

Drain: UG MITCHNER Drain #: 275  
 Improvement/Arm: \_\_\_\_\_  
 Operator: J. LIVINGSTON Date: 4-20-04  
 Drain Classification: Urban/Rural Year Installed: 1909

### GIS Drain Input Checklist

- Pull Source Documents for Scanning JL
- Digitize & Attribute Tile Drains \_\_\_\_\_
- Digitize & Attribute Storm Drains \_\_\_\_\_
- Digitize & Attribute SSD \_\_\_\_\_
- Digitize & Attribute Open Ditch JL
- 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



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## REPORT OF DRAINAGE COMMISSIONERS AND ENGINEER:

TO THE HONORABLE JUDGE OF THE HAMILTON CIRCUIT COURT.

The undersigned Commissioners of Drainage to whom was referred the above entitled petition for the drainage of certain lands in Noblesville; Delaware and Washington Townships, Hamilton County, Indiana, respectfully report that we met at the home of James D. Campbell on the 28 day of April, 1909, and proceeded to lay out and view the proposed drain and lands likely to be effected thereby. Not being able to complete said work of viewing and making the necessary surveys on the above date, we met on the 4 day and again on the 5" & 6" days of May, 1909, completing the field work on the last named date. We met in the County Surveyor's office on the 11th, 26th, 28th and 29th, days of May, 1909, and formulated the following report.

We would respectfully report that the drainage as set out in this report is practicable; that the same when completed will improve the public health and will be of public utility, that there will be several public highways and one public school ground 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 lands likely to be assessed.

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 meters and bounds, courses, distances and descriptions, grades and bench marks, including all arms and branches so as to provide for the complete drainage to the lands to be effected by the proposed work.

We have divided the ditch or drain into stations each not more than 100 feet in length and have calculated and set out the amount of excavation in each station, and we have assessed the benefits to each separate tract of land and to each corporation and Township effected; we have fixed the beginning and outlet so as to secure the best results, and have run the line of 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 highways. In the course of the ditch we have followed the old channel as near as possible. The work of excavation may be done with scoops and shovel. We have determined that the best and cheapest method of securing said drainage is by one Main ditch to be tiled from station 0 to station 25 + 40 and an open drain one foot wide in the bottom from station 25 + 40 to Sta. 160 and an open drain 18 inches wide in the bottom from station 160 to station 273 or terminus.

## LOCATION.

Beginning at a point 40 rods north and one rod east of the South West corner of the south east quarter of the north east quarter of section 17 township 18 north range 4 east run thence south 670 feet, thence S 45° E 330 feet, thence S 80° E 200 feet,

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E 475 feet, thence S 45° E 450 feet, thence S 40° W 600 feet, thence South 200 feet, thence S 45° E 365 feet, thence S 43° E 235 feet, thence S 60° E 400 feet thence S 30° E 400 feet, thence S 10° W 300 feet, thence S 75° W 280 feet, thence South 920 feet, thence S 5° W 200 feet thence South 700 feet, thence S 10° W 500 feet, thence south 400 feet, thence S 45° E 1600 feet, thence S 60° E 1300 feet, thence east 300 feet, thence S 45° E 130 feet, thence S 15° E 560 feet, thence S 45° E 710 feet, thence S 80° E 745 feet, thence east 955 feet thence following in the channel of what is known as Mud Run Ditch or Creek except where short bends are marked to be straightened by stakes already set and terminating in White River at the present mouth of said Mud Creek 1050 feet south of the Mattsville Gravel Road.

REQUIREMENTS.

Ditch to consist of one row of 12 inch drain tile from station 0 to station 6 + 70 and one row of 14 inch drain tile from station 6 + 70 to station 25 + 30 and one row of 15 inch sewer tile from station 25 + 30 to station 25 + 40 and an open drain one foot wide in the bottom from station 25 + 40 to station 160 and an open drain 18 inches wide in the bottom from station 160 to station 273 or terminus. All banks on the open part to be cut to a uniform slope of 45° and all earth removed to be deposited on the banks not NEARER THAN TWO FEET FROM THE BREAK OF SAID BANKS.

CATCH BASIN,

At station 6 + 70 to be constructed a catch basin, said catch basin to be built of hard burnt brick laid up in mortar made of one part portland cement to three parts clean sharp sand and covered with an open ring and open cover of the Elwood Iron Works or Bellfountain pattern. Dimentions of cover to be not less than 18 inches, said catch basin to be three feet in diameter inside measurement, the walls to be nine inches in thickness and to extend to a depth of 18 inches below the bottom of the tile and to a height to conform with the condition of the ground. The botton of the catch bassin to be cloored over with one layer of brick and plastered  $\frac{1}{4}$  inch thick over the bottom and sides to a height of one foot above the top of the tile. All inlet and out let tile to the catch basin to be first grade sewer tile and to be built in the sides of the catch basin.

RETAINING WALL.

At station 35 + 40 to be constructed a retaining wall 18' X 5 $\frac{1}{2}$ ' X 2' said wall to be of field rock laid up in mortar of one part portland cement to three parts clean sharp sand. Front face and top of wall to be neatly and smoothly finished and pointed. Base of wall to be set 18 inches below the grade of the tile.

CONNECTING BOX.

The several lines of tile ditch already in place and connecting with the new 12 inch tile at station 0 to be connected by means of a connecting box of concrete

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with 4 inch walls (Top, sides and bottom) and of inside dimensions sufficient to properly receive the lines of tile entering and leaving same. Top of said box to be properly reinforced with iron or steel bars, the whole to be covered same as tile drain.

#### TILE AND MATERIAL.

All tile and material used in the construction of the work to be first class in every respect and subject to the inspection and approval of the Superintendent in charge of the work before being used by the contractor.

#### LAYING TILE, FILLING DITCH, DEADENING & etc.

After the tile portion of the ditch has been dug to the proper grade the tile shall be laid in the trench at the correct grade as shown on the profile hereto attached and marked EXHIBIT B in a true line with joints well matched and to be left uncovered until inspected and accepted by the Superintendent in charge of the work; after which they shall be covered with earth to a depth of 24 inches where the ditch runs in the old channel and where the ditch is new cut the trench shall be filled full.

Where catch basin is located filling shall be made so the surface water may flow into the basin.

All trees, shrubs and bushes shall be cut or deadened along the tile portion of the ditch back for a distance of 25 feet on each side of the ditch.

#### I. U. T. ARCH CULVERT.

Where the open part of the ditch passes through the concrete Arch Culvert of the Traction Co., at Station 41 + 65 the contractor will be required to cut out and remove the concrete pavement or mud floor of said bridge to the depth and width as indicated on the profile for the ditch at that place.

#### FALL OF ESTABLISHED GRADE.

31/100 foot to each 100 feet from Station 0 to Station 25 + 40.

35/100 foot to each 100 feet from Station 25 + 40 to Station 38.

38/100 foot to each 100 feet from Station 38 to Station 65.

38-3/4/100 foot to each 100 feet from Station 65 to Station 105.

43/100 foot to each 100 feet from Station 105 to Station 120.

33/100 foot to each 100 feet from Station 120 to Station 138.

41/100 foot to each 100 feet from Station 138 to Station 165.

33/100 foot to each 100 feet from Station 165 to Station 180.

25/100 foot to each 100 feet from Station 180 to Station 200.

20/100 foot to each 100 feet from Station 200 to Station 220.

27 1/2/100 foot to each 100 feet from Station 220 to Station 240.

32 1/2/100 foot to each 100 feet from Station 240 to Station 273.

DITCH ENDS AT STATION 273 in WHITE RIVER.

ESTIMATED COST,

Tile portion.

670 feet 12 inch drain tile	\$53.65
1860 feet 14 inch drain tile	279.00
12 feet 15 inch sewer tile	5.00
4 feet 12 inch sewer tile	1.00
Stone or concrete retaining wall 18' X 5 1/2' X 2'	20.00
Catch basin at Station 6 + 70	18.00
Concrete connecting box at Station 0 + 20	7.50
Excavation, tile portion (490 cu. yds.)	98.00
Filling ditch laying tile, deadning, & etc.,	25.00

OPEN DITCH.

Excavation 13275 cubic yards	2655.00
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Total estimated cost, . . . . .

No.	Names	Description of Lands.					Total Cts.
1.	Silas H. Moffitt	Pt. S 1/2 SW	34184	50			
	Do.	Pt. S 1/2 N 1/2 SW	34184	30			
	Do.	Pt. N 1/2 SW	34184	49			
	Do.	Pt. S 1/2 NW	34184	17			
	Do.	Pt. SW SW NE	34184	5			
		Pt. NW NW SE	34184	3			174.85
2.	W.C. Moffitt	Pt. E 1/2 NW	34184	58			
	Do.	Pt. W 1/2 NW	34184	70			222.60
3.	Mary Hunt	Pt. W 1/2 NW	34184	80			123.70
4.	J. G. Campbell	SE SW	27184	40			
	Do.	S 1/2 N 1/2 SW	27184	27			
	Do.	Pt. W 1/2 SE	27184	72			
	Do.	Pt. NE SE	28184	10			284.10
5.	Hugh & Dean Maker	Pt. N 1/2 SW	27184	63	15		116.75
6.	Nancy Maker	Pt. S 1/2 NW	27184	70			
	Do.	Pt. SE NE	28184	13	25		138.60
7.	Matilda Haverstick	Pt. SW SW NE	27184	4			7.40
8.	Artimus Myers	Pt. SW NW NW	27184	2			
	Do.	Pt. E 1/2 NE	28184	4			11.00
9.	Clementine Farley	Pt. E 1/2 NE	28184	5			4.50
10.	O. I. Myers	Pt. S 1/2 NE	28184	20			37.00
11.	E 1/2 L. Myers	Pt. S 1/2 & Pt. N 1/2 NE	28184	30			56.00
12.	Harriette Myers	Pt. E 1/2 E 1/2 NW	28184	34			
	Do.	Pt. NE NE & Pt. W 1/2 NE	28184	61			135.60
13.	Allen Myers	Pt. W 1/2 E 1/2 NW	28184	25			
	Do.	Pt. W 1/2 NW	28184	55			
	Do.	Pt. SW SE	21134	40			
	Do.	Pt. SE SE	21134	20			
	Do.	Pt. NW NW	3174	6			175.00
14.	Ross Hunt	S 1/2 SW	21134	80			
	Do.	Pt. S 1/2 N 1/2 SW	21134	23			204.50

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State of Indiana,

Hamilton County, ss:-

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

Viewers. W. C. Clark  
George Warner.

Hugh Johnson,

Engineer.

Subscribed and sworn to before me this the 29th day of May, 1909.

Leroy J. Patty,

Clerk Hamilton Circuit Court  
By F.S.Campbell, Deputy.

And said drain is now established as reported in the report of such said viewers, and the respective assessments on the land so reported as assessed are declared to be a lien on such land.

And the court now assigns the construction of said drain to HUGH JOHNSON, and he is hereby directed to execute his bond in the sum of \$3000.00 properly conditioned to the approval of this court for the faithful performance of his duties.

And the Court now fixes the fees of the attorneys for said petitioners, towit: Roberts & Vestal, which shall be paid by said Johnson as a part of the costs of this proceeding, in the sum of \$120.00.

All of which is adjudged and decreed by the court.