
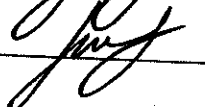

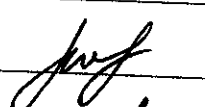




Drain: UG MITZNER Drain #: 275
Improvement/Arm: ORVILLE KEYS
Operator: J. LIVINGSTON Date: 4-19-04
Drain Classification: Urban Rural Year Installed: 1918

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 

Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: UG MITCHNER - ORVILLE KEYS

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:	Applicable
TILE	6"	700'	700'		1.00/lf	700.00	** \$650.00
	10"	400'	400'		3.00/lf	1200.00	** \$0.00
	12"	2065'	2065'		4.00/lf	8260.00	** \$3,600.00
TILE - ARM 1	8"	600'	600'		2.00/lf	1200.00	** \$0.00
Sum:		<u>3,765'</u>	<u>3,765'</u>			<u>\$11,360.00</u>	** \$3,710.00

Final Report: 3,765'

Comments:
 ** 6-28-2004 Bridgewater Club Relocation vacated Arm 1 & 1750' of Main Tile
 New length is 1415' & new cost is \$3,710.00.
 This project vacated 6" Tile - 50'; 10" Tile - 400'; 12" Tile - 1300'
 and all of Arm 1.

Cop. of

No 1827

In Re of Petition of
Orville Keys, et al
for
Drain.

Seevers Report,

Same as in DRB 4 ps 150

STATE OF INDIANA)
) SS
HAMILTON COUNTY (

IN HAMILTON CIRCUIT COURT.

IN THE MATTER OF PETITION
OF ORVEL KEYS
FOR DRAINAGE.

Report of Drainage Commissioners and Engineer,

To the Honorable Judge of the Hamilton Circuit Court,

We the undersign Commissioners of Drainage and Engineer, to whom was referred the above entitled petition for Drainage of certain lands, in Washington Township, Hamilton County, Indiana.

Would respectfully report that we met on the line of said proposed Drain on the (6)th day of (March), 1917. Qualified and proceeded to view and lay out said Drain and to view the lands affected thereby.

That we further report that said proposed Drain is practicable, that the same when completed will improve the public health, and will reclaim certain lands, and will be of public utility, and will benefit several highways, also that the cost of construction and repairs, damages and expense 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 drainage of said lands, we have fixed the route, location, and character of said proposed work and fixed the same by notes and bounds, courses, distances, descriptions and guides, and bench marks, including arms and branches so as to provide for a complete out let for the drainage of said lands affected by said proposed work; that we have divided the ditch and branches into sections of not more than 100 Ft. in length by setting stakes at each 100 Feet.

That after a very careful investigation and making a contour survey of lands adjacent, we are of the opinion that in order, that certain lands lying in section 9 & 16 described in this report and having no other practical outlet, may have a future outlet through said drainage, that said drainage should be constructed with a view of giving said lands an outlet and that said lands should be assessed therefore and further that said report is made in accordance with our opinion, and that the specifications for said ditch provide for such outlet from station 11 to station 31+65 or the terminus of said ditch.

That said main ditch should consist of 1 row of six inch tile from Station 0 to Station 7, one row of ten inch tile from Station 7 to Station 11 and one row of 12 inch tile from Station 11 to Station 31+65. The last 3 tile shall be glazed sewer pipe, same to be connected to the U. G. Mitchner drain by means of a connective box 3ft. by 3ft. by 3ft. and a certain 8 inch drain to be connected into same box by extending said 8 inch about 50' from its present outlet to said box. Said box to be built of concrete in accordance with the specifications and to be covered with a concrete slab 4 inches thick.

Said main ditch to be supplied with a 6" x 6" x 10" V branch at station 7, also a double Y branch 10", 10", 10" x 12" at station 11 or concrete Box connections of the proper dimensions, to substitute for said connections. The arm to consist of one row of 8 inch tile throughout and be connected to main ditch at stake 11.

Main ditch to begin at a point 48 rods north of the southeast corner of the ~~east~~^{WEST} half of the southeast quarter of section 8 township 18 north range 4 east, and run thence south 55° east 300 feet; thence south 23° east 800 feet; thence south 23° west 500 feet; thence south 2° east 781 feet; thence south 36° west 784 feet; and terminate at the source of the U. G. Mitchner drain.

The arm to begin at a point 66 feet south of the southwest corner of the east half of the southeast quarter of section 8 township 18 north range 4 east; run thence north 77° east 100 feet; thence south 73° east 500 feet and enter main ditch at or near station 10.

The work will be staked out by the engineer and his stakes must be carefully preserved, and followed, The digging of each and every portion of the ditch must begin at its outlet, or its junction with another tile drain and proceed toward its upper end.

The ditch to be dug along one side of the line of survey stakes, and sufficient distance from, to not disturb the stakes, and shall be cut in a straight, and neat manner. In taking out the last draft the blade of the spade must not go deeper than the grade line. The ditch must be dug accurately and truly to grade at the depths indicated by the figures given by the engineer, measured from the grade stakes.

The laying of the tile must begin at the lower end proceed up stream. The tile must be laid as closely as practicable and in line, free from irregular cracks, the piece being turned about until the upper closes, unless there is sand or fine silt which is likely to run into the tile, in which case the lower edge must be laid close and the upper side covered with clay or other suitable material. When making turns or by other unavoidable reasons, a crack of one fourth inch or more is necessarily left, it must be securely covered with broken pieces of tile or by other indestructible material, junctions with branch lines must be carefully and securely made. After the tile have been laid and inspected by the engineer or his representative, they must be covered with the earth excavated from the trench, or borrowed clay or soil, where said trench does not afford sufficient material, the filling shall be to the full depth of the trench, and in no case less than two feet in depth over the tile in New Cuts.

And where said drain is in an open channel the filling shall be to a depth of not less than Two feet above the top of the tile, for the full width of said channel, in no case must the tile be covered with sand with out other material being first used and in no case will boulders or heavy rock be allowed in the filling, that may in time come in contact with the tile , the ditch contractor must assume all risks from and caving-in of ditch, and when each drain is completed it must be free from sand and mud before it will be recieved and paid for in full. In case it is found impracticable, by reason of bad weather or unlooked for trouble in digging the ditch or properly laying the tile, to complete the work at the time specified in the contract, the time may be extended as may be mutually agreed upon by the engineer and the contractor, The contractor shall use all necessary precaution to secure his work from injury while he is constructing the drain. All tile and other material used in the construction of this drain and the tributeries thereto, included in the requirements of these specifications, shall be first class in every respect and subject to ridged inspection by the engineer.

The engineer shall have authority to lay out and direct the work, and to inspect and supervise the same during the construction, and completion to see that it is properly done in accordance with the specifications and contract, and his instructions shall be fully carried out.

CONCRETE WORK.

The concrete for all the concrete work to be done under these specifications shall be a mixture of One part Portland Cement to Five parts good clean, sharp sand and gravel, the sand and gravel to be of a grade approved by the engineer. Each batch of concrete shall be mixed thoroughly while dry until it presents an even shade of coloring throughout, then continuing the mixing, water sufficient shall be added to make a moderately wet mortar.

Unyielding forms shall be built for the purpose of moulding the concrete into shape, The mortar to be placed in the forms while still in a wet condition and spaded so as to make a homogenous construction, and as soon as the concrete has set sufficiently to bear its own weight said forms shall be removed and any defect in said construction shall be immediately repaired.

PROFILE OR TABULATED SHEET .

Station.	Hub out.	Cu. Yds.	Station	Hub Cut	Cu.Yds.
0	3.15		29	4.53	32
1	3.15	18	30	4.63	30
2	3.15	18	31	4.91	32
3	3.00	18	32	4.84	29
4	3.13	18			
5	3.57	20			
6	4.02	22			
7	4.22	23			
8	3.65	25			
9	3.57	24			
10	3.79	24			
11	4.62	27			
12	7.02				
12	8.05	56			
13	7.72	58			
14	7.22	55			
15	7.12	53			
16	7.47	50			
17	7.10	50			
18	6.17	49			
19	5.89	45			
20	6.93	44			
21	5.76	44			
22	6.74	40			
23	5.41	37			
24	5.33	35			
25	5.43	35			
26	5.27	35			
27	4.88	34			
28	4.94	33			

1114

ARM NO. 1

Station	Hub out	Cu.Yds.
0	5.49	
1	5.53	31
2	5.02	29
3	4.34	26
4	4.16	23
5	4.42	22
6	4.30	22
6+50	4.62	11

124

Grand Total

1278

Estimated Cost of Construction including,
 Material, Labor, hauling, etc,
 Necessary for completion of work
 in Accordance with plans & Specifications,

Main Ditch	971.75-
Arm No 1.	183.50
Arm No 2.	
Total	<u>1155.25-</u>

Estimated Expenses, including,	
Attorneys Fee	
Recording & releasing	
Legal Printing	
Superintendent Construction	
Court Expenses &	
Contingency fund	
Total	<u>135.35-</u>

We claim for services, Expenses & milage, to date for,	
Clark Coffin, Drainage Commissioner,	16.00
John C. Hodson, Viewer	16.00
J.S.Shannon, Engineer & helpers	46.00
Total	<u>78.00</u>

Grand total \$1318.60

STATE OF INDIANA () SS
HAMILTON COUNTY ()

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

Clark Coffin

John C. Hudson
VIEWERS.

J. B. Haman
ENGINEER.

Subscribed and sworn to before me this day of 191 .

Chas. J. Newby
CLERK.