




Drain: ANDREW TUCKER **Drain #:** 86
Improvement/Arm: _____
Operator: J. LIVINGSTON **Date:** 7-26-04
Drain Classification: Urban/Rural **Year Installed:** 1928


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: ANDREW TUCKER

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
TILE	12"	1000'	1000'		4. ²⁵ /ft	4000. ²⁵
	14"	1000'	1000'		4. ²⁵ /ft	4250. ²⁵
	18"	1588'	1588'		6. ⁵⁰ /ft	10,322. ²⁵
	20"	1712'	1712'		8. ²⁵ /ft	13,696. ²⁵
TILE-ARM 1	14"	449'	449'		4. ²⁵ /ft	1,908. ²⁵

Sum: 5749' 5749' \$34,176.²⁵

Final Report: _____

Comments:

#23022

FILED

JUL 13 1928

J. E. Thomas
CLERK HAMILTON CO. IN.

Examined and approved
July 28-1928
and drain ordered
constructed as provided
by law.

Fred Ekman,
Judge H.C.C.

Cause No 23022

STATE OF INDIANA)
HAMILTON COUNTY) SS

IN HAMILTON CIRCUIT COURT

IN THE MATTER OF THE PETITION

OF A. S. PARK, ET. AL,

FOR REPAIR OF ANDREW TUCKER, DRAIN,

Report of Drainage Commissioners and Engineer,

To the Honorable Judge of the Hamilton Circuit Court.

We the undersigned Commissioners of Drainage and the Engineer, to whom the above entitled petition for Drainage of certain lands in Jackson Township, Hamilton County, and Cicero Township, Tipton County Indiana, Was referred.

We would respectfully report that we met on the of said proposed ANDREW TUCKER Drain, on the 12th day of *July* 1928, qualified and proceeded to View said Drain and Lands effected thereby.

After a carefull investigation of the condition of said Drain, we are of the opinion that said Drain should be repaired and in the manner set out in this 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 highways, also that the cost of constructing and repair, damages and expense of effecting said Drain will be less than the benefits to the lands effected by said Drainage.

That we definately 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 and have fixed the same by metes and bounds, courses, descriptions and guides and Bench Marks, for complete outlet for the Drainage of said lands effected by said proposed work; that we divided the Ditch into sections of not more than 100 feet in length by setting stakes at each 100 feet.

The work will be staked out by the Engineer and his stakes must be carefully preserve and followed. The digging of each and every portion of the Ditch must be at its outlet, or its junction with another tile Drain towards its upper end. The Ditch to be dug along one side of the line of survey stakes, and sufficient distance from to not disturbs them, and shall be dug in a straight and clean 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 true to the grade at the depth indicated by the figures given by the Engineer, measured from the grade stakes.

The laying of the Tile must begin at the lower end and proceed up stream. The tile must be laid as closely as practicable and in line free from crooks, 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 material. When making turns or by other unavoidable reasons a crack of one-fourth ($\frac{1}{4}$) 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 representatives they must be covered with the earth excavated from the trench, or borrowed clay or soil. Where said trench does not afford sufficient material, and in no case less than two (2) feet in depth over the tile in New Cuts, and where said drain is an open channel the filling shall be to a depth of not less than Two (2) feet above the top of the tile, for the full width of said channel, in no case must the tile be covered with sand without other material being first used and in no case will boulders or heavy rock be allowed in the filling if they may in time come in contact with the tile,

The contractor must assume all risk from caving in of the ditch, and when each drain is completed it must be free from sand and mud before it will be received and paid for in full, In case it is found impracticable, by reason of bad weather or other unlooked for trouble in digging the ditch or properly laying the tile, to complete the work specified in the contract, the time may be extended as mutually agreed upon by the contractor and the Engineer.

The contractor shall use all necessary precaution to secure his work from injury while he is constructing the drain.

All tile and material used in the construction of this drain and its tributaries thereto, included in the requirements of these Specifications, shall be first class in every respect and subject to rigid inspection by the Engineer.

The Engineer shall have the authority to layout 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.

Unless otherwise specified all concrete work included in these Specifications shall be as a mixture of 1-2-3; One part portland cement, Two part sand, and Three part gravel.

The sand and gravel to be free from dirt, loam and other mud 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 from strong materials, and shall be true to lines, dimensions and shape given for the different structures.

LOCATION,

Main Ditch,

Begin 204 feet West, and 20 feet North of the Northeast Corner of Section 5, Township 20 North, Range 4 East,

Run thence South 2 degrees East 100 Feet; Thence South 28 degrees East 200 feet; Thence South 58 degrees East 600 feet; Thence South 23 degrees East 100 feet; Thence South 1 degree West 600 feet; Thence South 15 degrees West 300 feet; Thence South 365 feet; Thence South 27 degrees and 30 minutes East 235 feet; Thence South 47 Degrees and 30 minutes East 1060 feet; Thence South 46 degrees and 30 minutes East 860 feet Thence South 1 degree West 920 feet to terminus

ARM No. 1.

Begin at a point about 465 feet North of the Southwest corner of the Northwest quarter of Section 4, Township 20 North, Range 4 East,

Run South 60 degrees East 449 feet; and enter Main Ditch at Station 20.

REQUIREMENTS.

MAIN DITCH, The Main Ditch shall consist of one row of 12 inch tile from Station 0 to Station 10, and one row of 14 inch tile from Station 10 to Station 20, and one row of 18 inch tile from Station 20 to Station 35 - 38, and one row of 20 inch tile from Station 35 - 38 to Station 53, and an open Ditch from Station 53 to Station 53 + 30,

Arm No.1.

Arm No.1. shall consist of one row of 14 inch tile from Station 0 to Station 4 + 49

At Station 10 where said New Ditch leaves the Old drain there shall be a connection of the private drain now entering said old drain with the New, requiring about 100 feet of 8 inch tile,

At Station 38 for the same reason about mentioned there shall be a connection made of a drain now entering old Ditch about 220 feet west of New location, requiring about 220 feet of 12 inch tile,

At or near Station 1, on the Arm where said Arm will cross a drain now in place, same to be connected to said New Arm, Also about the same Location, a small drain entering from the West shall be properly connected, The tile for the last connection to be obtained from the old Drain below connection.

At Station 0 on Main Ditch, and also at Station 0 on the Arm, shall be constructed Catch Basins; in accordance with the Specifications for concrete and the Plans for same attached,

Said Basins shall have perforated Tops,

At Station 53 , of the Main Ditch there shall be Constructed a Concrete Retaining Wall, 3 feet thick at base, and 1 foot wide at Top and 6 feet high and 20 feet long.

Andrew Tucker, Drain.

Main Ditch,

ARM No. 1.

Sta	Ground Cut,	Ditch Cut,	Cu. Yds,	Sta,	Ground Cut,	Ditch Cut,	Cu. Yds.
0	6.22	in Road,		0	5.95		
1	4.61		25	1	4.15		41
2	4.21		25	2	3.90		30
3	3.74		25	3	2.60		24
4	4.02		22	4	3.70		23
5	3.88		22	4 - 49	4.37		15
6	4.14		22				
7	3.89		22				
8	3.87		22				
9	2.89		19				
10	3.44		20				
11	3.94		23				
12	4.52		26				
13	5.03		29				
14	4.42		28				
15	4.20		26				
16	3.57		24				
17	3.87		24				
18	5.34		28				
19	4.39		29				
20	4.82		28				
21	7.12		51				
22	6.47		58				
23	6.32		55				
24	6.40		55				
25	6.60		56				
26	7.30		61				
27	6.50		61				
28	5.80		55				
29	6.22		52				
30	6.47		55				
31	6.40		56				
32	6.75		56				
33	6.80	4.50	58				
34	7.00	3.95	34				
35	7.15	3.65	30				
36	6.75	4.02	31				
37	7.12	3.62	31				
38	5.87	3.22	28				
39	5.99	2.62	24				
40	5.72	1.97	20				
41	5.62	1.92	17				
42	4.42	2.12	17				
43	4.57		25				
44	4.02		34				
45	4.52	1.72	19				
46	3.92	1.32	14				
47	4.32	1.22	12				
48	3.82	1.27	18				
49	4.37	0.87	10				
50	3.47	1.17	10				
51	4.47	0.77	10				
52	4.02	0.07	6				
53	3.91	0.37	6				
53 - 30	3.20	0.20	4				

ESTIMATE COST OF CONSTRUCTION INCLUDING,

MATERIAL, LABOR, HAULING, etc.; necessart for completion of the work in accordance with the Plans and Specifications

Main Ditch

Station 0 to Station *53+30* \$ *3579.32*

Arm.

Station 0 to Station *4+49* \$ *287.50*

Connection @ 28

Station to Station *10* \$ *54*

Connection at

Station to Station *10* \$ *28.88*

Total,

..... *3949.70*

Estimate expense, including,

Attorney fees \$

Recording and Releasing \$

Legal Printing, \$

Superintendent of Construction \$

Court expenses etc, \$

Contingency fund \$ *521.80*

Total,

..... *521.80*

We claim for services, expenses and milage. to date for:

L. M. Stultz Drainage Commissioner, \$ *15*

C. D. Arnold Viewer, \$ *15*

E. A. Baker Engineer & Helpers, .. \$ *98.50*

Total,

..... *128.50*

Grand Total,

\$ *4600.00*

Andrew Tucker Ditch

Hamilton Co Land

NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amount of Benefits		Am't of Assessment		Total Assessment	
					A	Hun	A	Hun	\$	Cts.	\$	Cts.	\$	Cts.
Eva Park	pt NW NW	4	20	4	5					35	00			
do	pt SE	32	21	4	30					150	00			185 00
AS Park	pt W NW	4	20	4	35					840	00			840 00
do	pt SE	32	21	4	30									
D S Lewis	central pt NW	4	20	4	41					287	00			287 00
Thos C Whisler	pt E SW	4	20	4	30					720	00			720 00
Laura E Sowers	pt NW SW	4	20	4	19.50					391	50			391 50
O.P. Mundell	central pt W 1/2 SW	4	20	4	19.50					306	50			306 50
H W Weltzel & wife	pt SW SW	4	20	4	10					70	00			70 00
J Bauer	E pt NE NE	5	20	4	25					341	25			386 25
do	W SW SE	32	21	4	15					45	00			
C. Fritz	W pt NE NE	5	20	4	21					145	55			145 55
D Logan & wife	send of E 1/2 NE	5	20	4	15					123	55			123 55
J Stritey	pt E side NW of NE	5	20	4	41					161	55			161 55
C.J. Fippen	pt W side NW NE	5	20	4	20					98	55			
do	pt SE NW	5	20	4	10					55	70			
do	pt NW SE	5	20	4	20					72	85			227 10
F.B. Hunter	NE SW	5	20	4	40					200	00			200 00
Hamilton County	Benefit to public Highway									75	00			
	1-N & S, Bet	7	20	4						50	00			125 00
County Line Road	E & W													

Andrew Tucker Ditch

Tipton County Land

NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amount of Benefits		Am't of Assessment		Total Assessment	
					A	Hun	A	Hun	\$	Cts.	\$	Cts.	\$	Cts.
Geo Bauer	W SW SE	32	21	4										
Wm Gaiser	Pt W SE	32	21	4			16				72	00	72	00
Geo Gaiser	Pt SE	32	21	4										
Robert Hunter	Pt E 1/2 E 1/2 SE	32	21	4			21	00			147			
Do	Pt SW SW	33	21	4			6	00			112		259	
H.S. Parks	Pt SE	32	21	4										
Tipton County	Benefit to Public Highway													
Do	1-N & S Thru S 1/2	32	20	4							50			
Do	1-N & S "E side	32	20	4							50		100	

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 Oath say that we have personally examined the whole line of said preposed ditch, 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 benefitted or injured by said preposed drain, and that the above and foregoing report is true in substance and in fact as we verily believe.

.....*L. M. Stultz*.....

.....*Chas. H. Howard*.....
Viewers.

.....*E. A. Busen*.....
Engineer.

Subscribed and sworn to before me this *13* day of *July* 192*8*.

.....*W. E. James*.....
Clerk of Hamilton Circuit Court.