

Drain: ALBERT J. BRACK **Drain #:** 35
Improvement/Arm: MAIN, ARM 1
Operator: J. LIVINGSTON **Date:** 10-31-03
Drain Classification: Urban/Rural **Year Installed:** 1920

GIS Drain Input Checklist

- Digitize & Attribute Tile Drains juj
- Digitize & Attribute Storm Drains n/a
- Digitize & Attribute SSD n/a
- Digitize & Attribute Open Ditch juj
- Sum drain lengths & Validate juj
- Enter Improvements into Posse n/a
- Enter Drain Age into Posse juj
- Sum drain length for Watershed in Posse juj
- Stamp Plans n/a
- Pull Source Documents for Scanning juj

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

Drain-Improvement: ALBERT J. BROCK

Drain Type:	Size:	Length ()	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
TILE	10"	1210'	1210'		3. ⁰⁰ /lf	3630. ⁰⁰
	12"	1390'	1390'		4. ⁰⁰ /lf	5560. ⁰⁰
	18"	4400'	4400'		6. ⁵⁰ /lf	28600. ⁰⁰
OPEN *	—	355'	355'			
TOTAL		7355'				37790. ⁰⁰
ARM 1 - TILE	10"	1075'	1075'		3. ⁰⁰ /lf	3225. ⁰⁰
	18"	325'	325'		6. ⁵⁰ /lf	2112. ⁵⁰
TOTAL		1400'				5337. ⁵⁰

Sum: 8755' 8755' \$43127.⁵⁰

Final Report: _____

Comments:

* OPEN DRAIN INSTALLED UNDER MAINTENANCE AND THEREFORE DOES NOT
FIGURE INTO THE COST OF THE DRAIN.

Request for Engineering Assistance

Date: July 11, 1978

Request for:

- a. Job investigation and report
- b. ~~Survey~~, design, and cost-estimate ✓
- c. Construction plans and conservation plans ✓
- d. Construction Supervision 1

Name of Legal Drain: A. J. Brock #35

Location: County(s) HAMILTON Civil Township(s) NOBLESVILLE

Section(s) 10 Township(s) 18 Range(s) 4

Aerial photo No.(s) EP-1LL-~~60~~

Are others involved _____
gas, telephone, electric, highway, cities, etc.

Narrative Description of Project: DESIGN STRUCTURE FOR DRAIN

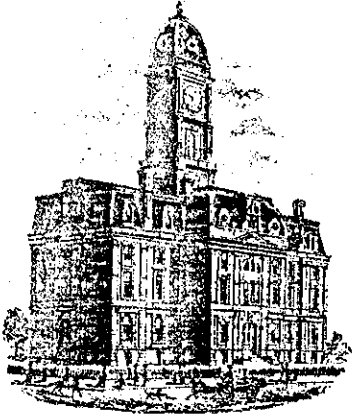
AS INDICATED ON SURVEY PROVIDED - ROCK CHUTE

ATTACHED IS ASSESSMENT ROLL & LOCATION MAP - SURVEY HAS BEEN FORWARDED

Approximate quantities: _____ open ditch, _____ tile, 1 structures
_____ other.

Approximate date information needed: OCTOBER 1, 1978

Signed _____
Kenton C. Ward Co. Surveyor and/or Drainage Board
_____ SWCD Board DATE _____



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

773-6110 Ext. 19

Noblesville, Ind. 46060 July 5, 1979

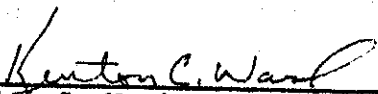
To: Fred Hurt
251 N. Delaware Street
Indianapolis, IN 46204

Re: A.J. Brock Drain

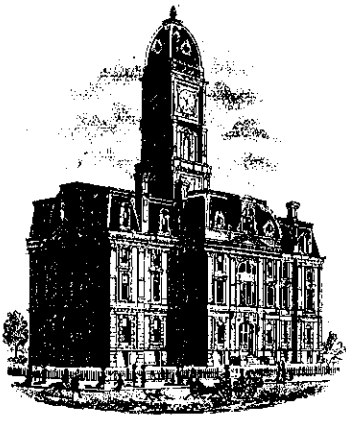
On July 2, 1979 the Hamilton County Drainage Board awarded a contract to Taylor Excavating for work on the A.J. Brock Drain. This work consists of placing a rock chute structure at the tile outlet of Brock Drain and excavating 300' of new open ditch where there is now tile. Also some clearing and excavating of the Vestal Drain is necessary for proper fall in grade. The operation side of this work is on the west side of the Vestal Drain. The completion date is August 31, 1979.

If you have any questions please contact my office.

Sincerely


Kenton C. Ward,
Hamilton County Surveyor

KCW/jg



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

773-6110 Ext. 19

Noblesville, Ind. 46060 December 17 1979

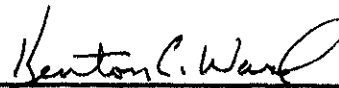
TO: Hamilton County Drainage Board

RE: A.J. Brock Drain

This morning I made the final inspection on the A.J. Brock Drain. I found that the work that has been done by Taylor Excavating to be satisfactory. The new open ditch and rock chute outlet has freed the outlet and will greatly benefit the upstream portion of the tile.

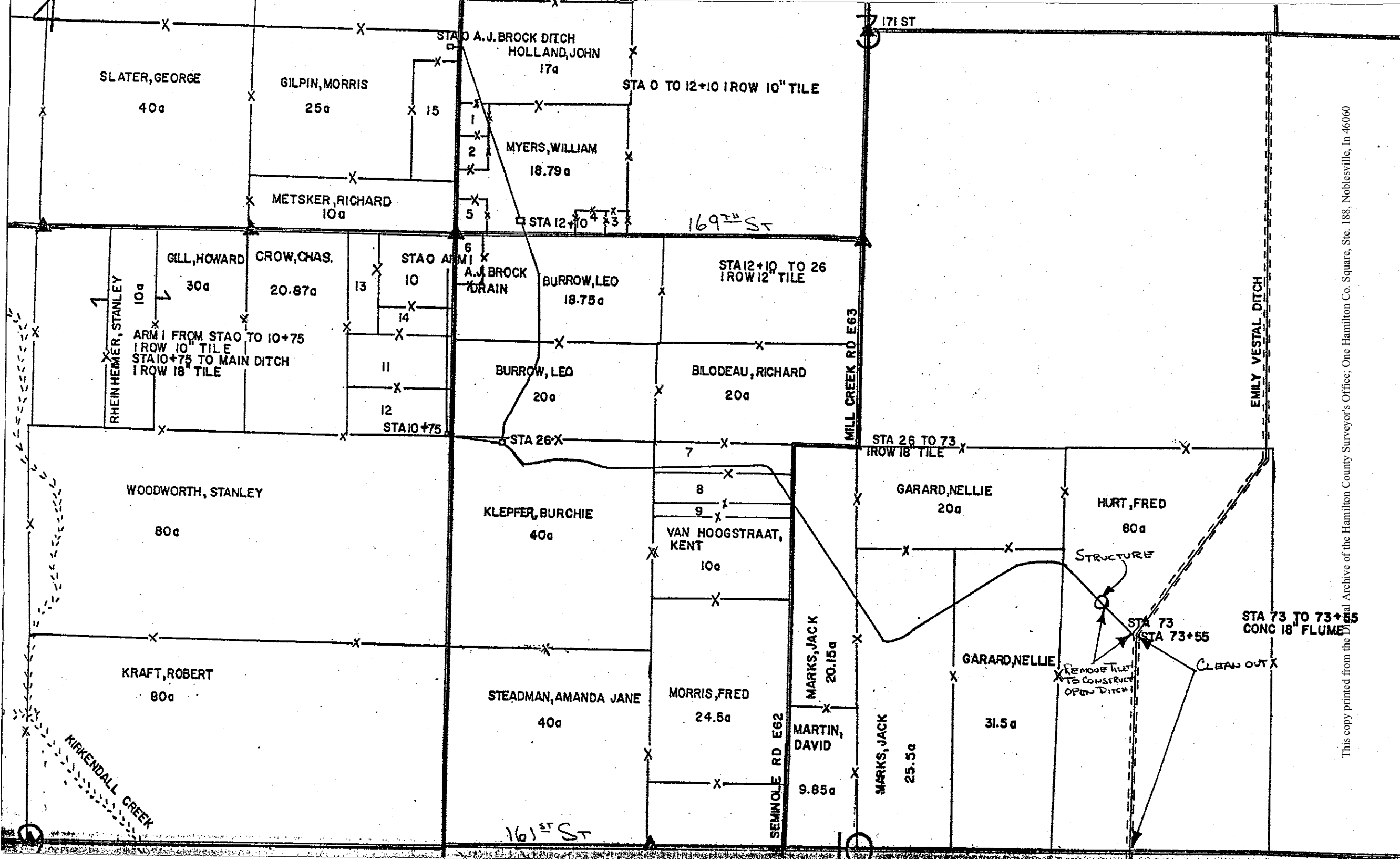
I believe that the retainer in the amount of \$885.00 should now be paid to the contractor.

Sincerely,



Kenton C. Ward
County Surveyor

KCW/no



SLATER, GEORGE
40a

GILPIN, MORRIS
25a

STA 0 A.J. BROCK DITCH
HOLLAND, JOHN
17a

MYERS, WILLIAM
18.79a

METSKER, RICHARD
10a

GILL, HOWARD
30a

CROW, CHAS.
20.87a

STA 0 ARM I
A.J. BROCK
DRAIN

BURROW, LEO
18.75a

STA 12+10 TO 26
1 ROW 12" TILE

ARM I FROM STA 0 TO 10+75
1 ROW 10" TILE
STA 10+75 TO MAIN DITCH
1 ROW 18" TILE

BURROW, LEO
20a

BILODEAU, RICHARD
20a

KLEPFER, BURCHIE
40a

VAN HOOGSTRAAT,
KENT
10a

GARARD, NELLIE
20a

HURT, FRED
80a

WOODWORTH, STANLEY
80a

KRAFT, ROBERT
80a

STEADMAN, AMANDA JANE
40a

MORRIS, FRED
24.5a

MARKS, JACK
20.15a

MARTIN,
DAVID
9.85a

MARKS, JACK
25.5a

GARARD, NELLIE
31.5a

STA 73 TO 73+55
CONC 18" FLUME

REMOVE TILE
TO CONSTRUCT
OPEN DITCH

CLEAN OUT

KIRKENDALL CREEK

No. 19050

IN Re Of the
A.J. Brock Drain

STATE OF INDIANA)
HAMILTON COUNTY) SS

IN HAMILTON *Circuit* COURT.

IN THE MATTER OF THE PETITION
OF *Albert J. Brock; et al.*
FOR DRAINAGE

Report of the Drainage Commissioners and Engineer, *et*
To the honorable *Judge of the Circuit Court* Hamilton County.

We the undersigned Commissioners of drainage and the Engineer, to whom the above entitled petition for drainage of certain lands, in *Noblesville Township* Hamilton County, Indiana, was referred: We would respectfully report that we met on the line of said proposed ~~drain~~ *Albert J. Brock*, drain, on the *22* day of *May* 1920, qualified and proceeded to view said drain and the lands affected thereby.

After a careful investigation of the conditions of said drain we are of the opinion that said drain should be repaired, and in the manner set out below in this report and 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 constructing and repair, damages and expenses of affecting 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 and have fixed the same by metes and bounds, courses, distances, descriptions, and guides, and bench marks, including arms and branches into so as to provide for a complete outlet for the drainage of said lands affected by said proposed work: that we have divided the ditch into and branches into sections of not more than 100 feet in length

LOCATION.

Beginning 135 feet South and 15 feet West of the Northeast corner of the Southeast quarter, Section 4, Township 18 North, Range 4 East,

Thence	East	50	Feet	0+00
"	South 20° East	1550	"	10+00
"	"	500	"	21+00
"	Curve to Right	200	"	23+00
"	South 23° 30' West	200	"	25+00
"	" 2° 45' "	100	"	26+00
"	" 48° East	100	"	27+00
"	Curve to Left	300	"	30+00
"	North 87° 30' East	1000	"	40+00
"	Curve to Right	200	"	42+00
"	South 53° East	1200	"	54+00
"	Curve to Left	300	"	57+00
"	North 69° 30' East	300	"	60+00
"	Curve to Right	200	"	62+00
"	South 46° 30' East	655	"	73+00

Arm No 1.

Begin 213 feet South and 55 feet West of the Northeast corner of the Southeast quarter of the Southeast quarter of Section 4, Township 18 North, Range 4 East,

Thence	South	1000	Feet
"	Curve to left	100	"

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 in sufficient distance from them to not disturb them, and shall be out 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 true to 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 possible and in a 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 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 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 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 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 materials being first used and in no case will boulders or heavy rocks that may in time come in contact with the tile, be allowed in the filling. The ditch contractor must assume all risk from the 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 in properly laying the tile, to complete the ditch in the time specified in the contract, the time may be extended as may be mutually agreed upon by the Engineer and contractor. The contractor shall use all necessary precautions to protect his work from injury while he is constructing the ditch.

All tile and other material used in the construction of the ditch and its tributaries thereto, included in the contract, shall be first class in every respect and subject to the rigid inspection of the Engineer.

The Engineer shall have the authority to layout and direct the work, and to inspect the same and supervise it 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 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 to be neatly constructed from strong materials, and shall be true to line, dimensions, and shape given for the different structures.

Requirements.

The Main ditch shall consist of,

One row of 10" inch tile from Station 0 to Station 12+10,

" " " 12" inch " " " 12+10 to 26,

" " " 18" inch " " " 26 to 73,

And concrete flume 18" diameter from Station 73 to 73+55

and to have concrete Catch Basins at Station 0, 12+10 & 26,

Arm No.1, To consist of,

One row of 10" inch tile from Station 0 to Station 10+75

" " " 18" " " " " 10+75 " " 14

And to have a catch Basin at Station 10+75,

Catch Basins; All Catch Basins shall be built of concrete, shall be 3' feet in diameter and to be the full depth of the Ditch at the respective locations, and have 4" inch concrete bottom, and covered with a perforated Reinforced Concrete Top sufficient size to extend over the walls of said Basins,

The Capacity of the total perforations for each cover shall be equal to the capacity of the outlet Tile, but no One of said perforations to exceed 2½ inches in diameter,

The Flume Specified in these requirements shall be monolithic and made from Concrete, in accordance with the Specifications for Concrete,

At the lower end of said flume a riprap wall shall be made, by constructing a foundation at ~~the~~ right Angle to said flume, 2' x 2' x 10' feet long, upon which shall be placed Two perch of boulders over and around the flume in such a manner as to prevent the wash of overflow,

(MAIN)

Albert J. Brook Ditch. 1920

Sta.	Hub Out	5.98 ft.	25cu.yd.	Sta.	Hub Out	Cu. Yd.
"	2	"	5.25 "	26	"	51 4.15 31
"	3	"	4.55 "	23	"	52 4.55 32
"	4	"	4.93 "	22	"	53 3.85 31
"	5	"	3.40 "	18	"	54 4.75 32
"	6	"	3.40 "	14	"	55 4.25 33
"	7	"	3.32 "	13	"	56 4.45 33
"	8	"	3.53 "	13	"	57 4.15 33
"	9	"	3.70 "	14	"	58 4.45 33
"	10	"	4.15 "	17	"	59 4.55 33
"	11	"	4.40 "	20	"	60 3.75 33
"	12	"	4.34 "	20	"	61 3.85 29
"	13	"	3.00 "	15	"	62 4.03 29
"	14	"	3.27 "	16	"	63 4.80 32
"	15	"	3.05 "	16	"	64 3.80 31
"	16	"	4.25 "	20	"	65 3.70 28
"	17	"	4.85 "	20	"	66 3.80 28
"	18	"	4.25 "	20	"	67 3.99 30
"	19	"	4.05 "	19	"	68 4.29 31
"	20	"	4.20 "	19	"	69 3.94 30
"	21	"	3.90 "	18	"	70 3.99 30
"	22	"	4.45 "	19	"	71 3.74 29
"	23	"	3.82 "	18	"	72 3.69 28
"	24	"	3.80 "	16	"	73 3.64 28
"	25	"	3.63 "	16	"	73+55 0.00 12
"	26	"	4.13 "	17	"	
"	27	"	5.35 "	33	"	
"	28	"	5.02 "	33	"	
"	29	"	6.00 "	33	"	
"	30	"	5.34 "	39	"	
"	31	"	5.07 "	38	"	
"	32	"	5.02 "	37	"	
"	33	"	7.85 "	47	"	
"	34	"	7.37 "	56	"	
"	35	"	6.11 "	50	"	
"	36	"	4.86 "	39	"	
"	37	"	3.60 "	27	"	
"	38	"	5.10 "	28	"	
"	39	"	3.65 "	28	"	
"	40	"	3.60 "	22	"	
"	41	"	3.97 "	22	"	
"	42	"	3.75 "	22	"	
"	43	"	3.62 "	21	"	
"	44	"	4.17 "	23	"	
"	45	"	3.97 "	23	"	
"	46	"	4.00 "	23	"	
"	47	"	4.30 "	31	"	
"	48	"	4.42 "	31	"	
"	49	"	4.00 "	31	"	
"	50	"	4.15 "	31	"	

ARM NO.

ARM NO.	Hub Out	Cu. Yd.
1	3.64	12
2	4.08	14
333	3.76	14
4	3.96	14
5	3.18	13
6	3.58	13
7	3.81	13
8	3.39	13
9	3.78	13
10	3.06	13
11	3.65	13
12	3.87	13
13	3.16	11
14	5.33	15

2577 cu yd.

Estimated cost of Construction Including,
 Material, Labor, Hauling, etc.,

Necessary for completion of the work in
 accordance with the plans and specifications,

Main Ditch
 Station 0 to 12+09 — 10" tile
 Station 12+09 to 26 — 12" tile
 Station 26 to 73+55 — 18" tile
Arm No 1
 Station 0 to 10+75 — 10" tile
 Station 10+75 to 14 — 18" tile

Estimated expences, including, Total 5786.60

Attorneys Fee

Recording & Releasing

Legal Printing

Superintendent of Construction

Court Expences etc.

Contingency fund

Total \$ 576.80

We claim for services & expenses & mileage, to
 date for,

Drainage Commissioner, *Silas Devaney* \$16.00

Viewer, *Harry Quinn* \$16.00

Engineer, *J. S. Shannon* *Helper & Expence* \$85.60

Total \$ 117.60

Grand Total \$ 6481.00

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.
Central Ind. RR	Ben to right of way Thro	4	18	4					20	00	20	00	20	00
Ernest O. Herchman	Pt NW NE	4	18	4	30		30		116	60	106	20		
Do.	SW NE	4	18	4	39		39		192	40	184	290	20	
Herbert J. Horton	E 1/2 SE NW	4	18	4	20		5		19	40	17	70	17	70
Hayden Kirby & Wife	N 1/2 SE NE	4	18	4	20		3		16	17	14	70	14	70
Mary E. Joins	S 1/2 SE NE	4	18	4	20		15		97	35	88	50		
Do.	Pt NE SE	4	18	4	25		25		162	25	147	50		
Do.	NW SE	4	18	4	40		36		233	64	212	40	448	4
Henry Frasier	Pt E 1/2 NE SE	4	18	4	5		5		64	90	59	00	59	00
Queen Reveal	SW SE	4	18	4	40		21		136	29	123	90	123	90
Maud Carr	SE SE	4	18	4	40		40		964	92	877	20		
Do.	S 1/4 NE SE	4	18	4	10		10		129	80	118	00	995	2
Daniel M. Dawson	Pt N 1/2 NW SW	3	18	4	17		5		64	90	59	00	59	00
W. H. Lacy	Pt NW SW	3	18	4	21		19		369	93	336	30	336	30
H. P. Maker	Pt SW SW	3	18	4	38	75	38	75	894	08	812	80		
Do.	SE SW	3	18	4	40		23		149	27	135	70	948	5
E. M. Mickell	NE NE	9	18	4	40		40		545	70	496	10		
Do.	E Pt NW NE	9	18	4	20		20		129	80	118	00	614	1
Mary F. Balwin	NW NW	10	18	4	40		40		572	20	520	20	520	20
Chas. M. Hodson & Wife	S 1/2 NE	9	18	4	80		40		155	75	141	60	141	60
Chas. F. Davis	SW NW	10	18	4	40		24		93	50	85	00	85	00
Joe. J. Morris	W 54 1/2 c. off. of E 1/2 NW	10	18	4	54	50	44	50	613	50	557	70	557	70
Albert J. Brock & Wife	Pt E 1/2 NW	10	18	4	25	50	16		306	70	278	80		
Do.	" W 1/2 NE	10	18	4	29		14	50	275	50	250	50	529	3
W. C. Duckwall	NW, NW, NE	10	18	4	10		10		103	85	94	40		
Do.	Pt E 1/2 W 1/2 NE	10	18	4	51	50	23		412	40	374	90	469	30
J. R. Brown	E 1/2 NE	10	18	4	80		3		142	50	129	50	129	50
Noblesville Township	Ben to Highway Thro N & S E 1/2 NW	10	18	4					27	50	25			
Do.	" " " Betw	9	18	4					11		10			
Do.	" " " "	3	18	4					110		100			
Do.	E & W Thro SW	3	18	4					27	50	25			
Do.	E & W Thro SE	4	18	4					22		20			
Do.	Pt NW, NW, SW, SW	3	18	4	1	25	1	25	22		20		200	0

STATE OF INDIANA ()
HAMILTON COUNTY () SS

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 reported are correct, just and
equitable to all parties herein named 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.

Silas Devaney
.....

Henry Swinson
.....
Viewers.

J. H. Harrison
.....
Engineer

Subscribed and sworn to before me this 30 day of June 1920

J. D. Hill
.....
Clerk of Hamilton County.