

Drain: METZKER ? KLINGELSMITH Drain #: 8495
Improvement/Arm: _____
Operator: J. LIVINGSTON Date: 7-28-04
Drain Classification: Urban/Rural Year Installed: 1882

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

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Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: METZKER & KLWIGENSMITH

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
OPEN DITCH	—	11,800'	11,800'		19.55/ft	230,690

Sum: 11,800' 11,800' \$230,690

Final Report: _____

Comments:

No 5280

Report of Commissioners.

FAVORABLE.

J. B. Metzger
Ditch

Filed Sept 28th, 1887

J. R. Christian
Clerk Circuit C

Wm. E. Burford, Printer, Indianapolis.

27	28	29	30	31	32				

REPORT OF COMMISSIONERS.

To the Honorable Judge of the Hamilton Circuit Court:

The undersigned, Commissioners of Drainage, to whom was referred the petition of William Klugensmith & James B. Metzger for the drainage of 2 1/2 acres off of the east end of the south half of the North West quarter of Section 23 Township 18 North Range 4 East, also the South West quarter of the North East quarter of Section 22 Township 18 North Range 4 East, also the North East quarter of the South West quarter, and 2 6 2/3 acres off of the North end of the South East quarter of the North West quarter of Section 23 Township 18 North Range 4 East,

in Hamilton

County, respectfully report that they have

inspected personally all the lands described in said petition, and all other lands

liable to be affected by the construction of the proposed work, and are of the

opinion that the proposed drainage will improve the public health of that neighborhood, will benefit one or more public highways and will be of public utility in the county and that the same can be done at an expense less than the aggregate benefit to the lands to be affected thereby and after causing the necessary surveys and examinations to be made they determine that the method of drainage should be as follows to wit,

See page 4 of this report.

They estimate the cost of constructing the work at two thousand one hundred one $\frac{26}{100}$

to the several tracts of land which will be affected by the work, as follows:

OWNERS.	DESCRIPTION.	S.	T.	R.	Acres.	Injury.	Benefit.
James B. Metzker	N.W. 1/4 S.W. 1/4	22	18	4	40		\$50
James B. Metzker	N.E. 1/4 S.W. 1/4	22	18	4	40		170
James B. Metzker	N.W. 1/4 S.E. 1/4	22	18	4	40		
James B. Metzker	13 1/2 acres off of the North side of the S.W. 1/4 S.W. 1/4	22	18	4	13 1/2		3.5
James B. Metzker	13 1/2 acres off of the North side of the S.E. 1/4 S.W. 1/4	22	18	4	13 1/2		40
James B. Metzker	13 1/2 acres off of the North side of the S.W. 1/4 S.E. 1/4	22	18	4	13 1/2		35
Christian Klingsmith	S.W. 1/4 N.W. 1/4	22	18	4	40		60
Christian Klingsmith	24 acres off of the west side of the S.E. 1/4 N.W. 1/4	22	18	4	24		120
William Klingsmith	16 acres off of the east side of the S.E. 1/4 N.W. 1/4	22	18	4	16		120
Allen Myers	26 2/3 acres off of the South side of the S.W. 1/4 S.W. 1/4	22	18	4	26 2/3		160
L. W. Moffit	26 2/3 acres off of the South side of the S.W. 1/4 S.E. 1/4	22	18	4	26 2/3		120
L. W. Moffit	N.E. 1/4 N.E. 1/4	29	18	4	40		70
L. W. Moffit	N.W. 1/4 N.E. 1/4	29	18	4	40		180
L. W. Moffit	S.E. 1/4 N.E. 1/4	29	18	4	40		230

All of which is respectfully submitted.

1280
17750
Commissioners.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Runners	Descriptions	Section	Range	Acres	Value	Benefit																										
	S. W. Moffet	S. W. qr N. E. qr	27 18 4	40		280																										
	S. W. Moffet	N. E. qr S. E. qr	29 18 4	40		200																										
	S. W. Moffet	S. E. qr S. E. qr	27 18 4	40		140																										
	Thomas Dawson	N. E. qr & N. W. qr	27 18 4	40		180																										
	Darius Aplegate	N. W. qr S. W. qr	26 18 4	40																												
	Darius Aplegate	S. W. qr S. W. qr	26 18 4	40		120																										
	Delaware Township	Public highway running North East and South West through section	22 18 4																													
	Delaware Township	Public highway running East and West through the center of section	27 18 4			25																										
	Delaware Township	Public highway running South West and North East through S. E. qr S. E. qr	27 18 4			25																										

By the construction of a ditch commencing 28 rods West of the South East corner of the North half of the North West quarter of section 22 Township 18 North Range 4 East and running thence S. 34° W. 100 feet, thence South 900 feet, thence S. 13° E. 1500 feet, thence S. 20° E. 600 feet, thence S. 44° E. 950 feet, thence South 1150 feet, thence S. 50° E. 150 feet, thence S. 44° E. 1950 feet, thence S. 52° E. 1100 feet, thence S. 6° W. 450 feet, thence South 550 feet, thence S. 66° E. 400 feet, thence East 1300 feet, thence N. 58° E. 700 feet and terminates 10 rods East and 80 rods North of the South West corner of the East half of the South West quarter of section 26 Township 18 North Range 4 East.

The following is a tabular statement of the depth of cut and width at the bottom and at the top of said ditch at the beginning and the terminus and at the end of each 100 feet thereof and also the number of cubic yards of earth to be removed from each 100 feet thereof, the estimated cost per cubic yard of removing the same and the total number of cubic yards of earth to be removed and the total cost of removing the same.

Station	Depth of cut	Width at bottom	Width at top	Area of cut	Volume of earth to be removed	Estimated cost per cubic yard	Total cost
0	2.10	6.0	10.0	96.2	60	18.14	1087.20
1	4.60	10.8	14.6	124.8	96	16.22	1557.12
2	4.7	6.0	15.4	124	11	14.8	162.80
3	5.7	6.0	17.4	144	11	10.8	152.80
4	5.4	6.0	16.8	188	11	17.8	195.80
5	3.8	6.0	12.6	170	11	10.2	172.20
6	5.3	6.0	16.6	148	11	16.2	178.20
7	4.8	6.0	15.6	164	11	17.6	193.60
8	4.3	6.0	14.6	40	11	17.0	77.20
				1064		1246	\$1330.00
							302.50
							\$1557.50

1	15	6.2	6.0	18.4	252	12.8	31.50	57	4.2	6.0	14.4	156	12.8	19.60
2	19	5.9	6.0	17.8	260	11	32.50	52	4.1	6.0	14.2	156	11	19.50
3	20	5.7	6.0	17.4	252	11	31.50	58	3.1	6.0	12.2	128	11	16.00
4	21	4.8	6.0	15.6	164	11	20.50	59	3.4	6.0	12.8	112	11	14.00
5	22	5.4	6.0	16.8	216	11	27.00	55	4.1	6.0	14.2	134	11	16.76
6	23	5.3	6.0	16.6	230	11	28.75	56	3.9	6.0	13.8	148	11	18.50
7	24	5.8	6.0	17.6	280	11	37.50	57	3.8	6.0	13.6	130	11	16.25
8	25	5.3	6.0	16.6	230	11	28.75	58	4.1	6.0	14.2	146	11	18.25
9	26	2.3	6.0	10.6	60	11	7.50	59	3.7	6.0	12.8	136	11	17.00
10	27	6.9	6.0	19.8	280	11	37.50	60	3.8	6.0	13.6	128	11	16.00
11	28	6.7	6.0	19.4	260	11	35.00	61	3.4	6.0	12.8	128	11	16.00
12	29	6.1	6.0	18.2	260	11	35.00	62	3.5	6.0	13.0	120	11	15.00
13	30	6.8	6.0	19.6	260	11	35.00	63	3.5	6.0	13.0	122	11	15.25
14	31	6.6	6.0	19.2	260	11	35.00	64	1.2	6.0	8.4	118	11	14.75
15	32	4.5	6.0	15.0	200	11	25.00	65	3.5	6.0	13.0	118	11	14.75
16	33	4.6	6.0	15.2	174	11	21.75	66	0.3	6.0	6.6	110	11	13.76
17	34	3.5	6.0	13.0	148	11	18.50	67	0.2	6.0	6.0	80	11	10.00
18	35	0.7	6.0	7.4	100	11	12.50	68	4.5	6.0	15.0	140	11	17.50
19	36	5.0	6.0	16.0	120	11	15.00	69	4.0	6.0	14.0	158	11	19.75
20	37	4.7	6.0	15.4	192	11	24.00	70	3.4	6.0	12.8	134	11	16.75
21	38	4.6	6.0	15.2	180	11	22.50	71	0.5	6.0	7.0	120	11	15.00
22	39	3.1	6.0	12.2	138	11	17.25	72	1.6	6.0	9.2	80	11	10.00
23	40	4.8	6.0	15.6	144	11	18.00	73	2.9	6.0	11.8	80	11	10.00
24	41	4.9	6.0	15.8	192	11	24.00	74	4.2	6.0	14.4	126	11	16.76
25	42	4.7	6.0	15.4	192	11	24.00	75	3.2	6.0	12.4	134	11	15.50
26	43	4.4	6.0	14.8	176	11	22.00	76	2.2	6.0	10.4	86	11	10.75
27	44	4.7	6.0	15.4	176	11	22.00	77	4.4	6.0	14.8	114	11	14.25
28	45	4.4	6.0	14.8	176	11	22.00	78	6.5	6.0	19.0	228	11	28.50
29	46	3.3	6.0	12.6	140	11	17.50	79	4.4	6.0	14.8	228	11	28.50
30	47	4.3	6.0	14.6	136	11	17.00	80	5.6	6.0	17.2	204	11	25.60
31	48	4.3	6.0	14.6	164	11	20.50	81	5.4	6.0	16.8	234	11	29.25
32	49	4.3	6.0	14.6	164	11	20.50	82	1.3	6.0	8.6	192	11	24.00
33	50	4.1	6.0	14.2	160	11	20.00	83	4.3	6.0	14.6	148	11	18.50

4926 \$6157.54

\$572.00

1	84	3.8	6.0	13.6	14.8	12.6	18.50	117	2.1	6.0	10.2	16	12.00	\$2.00
2	85	5.1	6.0	16.2	17.0	11	21.25	118	1.6	6.0	8.2	16	11	2.00
3	86	5.2	6.0	16.4	21.4	11	26.75	0.0	6.0	6.0	0	32	4.00	
4	87	5.3	6.0	16.6	21.8	11	27.25	1246					155.75	
5	88	5.0	6.0	16.0	21.4	11	26.75	1064					133.00	
6	89	4.2	6.0	14.4	17.4	11	21.75	49.26					615.75	
7	90	5.4	6.0	16.8	19.2	11	24.00	45.76					672.00	
8	91	6.0	6.0	18.0	24.0	11	30.00	59.70					746.25	
9	92	5.4	6.0	16.8	24.0	11	30.00	17814					2226.75	
10	93	2.3	6.0	10.6	14.8	11	18.50							
11	94	5.1	6.0	16.2	14.4	11	18.00							
12	95	4.6	6.0	16.2	19.2	11	24.00							
13	96	5.2	6.0	16.4	19.8	11	24.75							
14	97	5.7	6.0	17.4	23.0	11	28.75							
15	98	5.9	6.0	17.8	25.0	11	31.25							
16	99	6.0	6.0	18.0	25.6	11	32.00							
17	100	6.1	6.0	18.2	26.2	11	32.75							
18	101	7.2	6.0	20.4	30.8	11	38.50							
19	102	8.4	6.0	22.4	39.8	11	49.75							
20	103	6.3	6.0	18.6	36.0	11	45.00							
21	104	5.5	6.0	17.0	26.4	11	31.75							
22	105	5.5	6.0	17.0	23.4	11	29.25							
23	106	4.1	6.0	14.2	19.2	11	24.00							
24	107	4.9	6.0	15.8	17.4	11	21.75							
25	108	4.8	6.0	15.6	19.2	11	24.00							
26	109	1.8	6.0	9.6	13.8	11	17.25							
27	110	2.5	6.0	11.0	8.4	11	10.50							
28	111	0.6	6.0	7.2	4.2	11	5.25							
29	112	1.3	6.0	8.6	2.6	11	3.25							
30	113	1.4	6.0	8.8	3.8	11	4.75							
31	114	0.0	6.0	6.0	2.0	11	2.50							
32	115	1.0	6.0	8.0	1.0	11	1.25							
33	116	0.7	6.0	7.4	1.0	11	1.25	59.70					746.25	

They estimate the total number of cubic yards of earth to be removed from said ditch at 17814 and the total cost of removing the same at 2226.75

After making the foregoing location and estimate of said ditch they determined the route should be changed at 9400 feet from the beginning of said ditch and instead of running S, 66° E, ^{4.60 feet} they run South 400 feet thence South East and East and North East following the main channel except to straighten the crooks and reach the route as above described at 10900 feet from the beginning of said ditch.

They estimate the proposed change will lessen the cost of said ditch by the sum of one hundred and seventy five dollars, reducing the above estimate to

	\$2051.75
They estimate the cost of grubbing the route of said ditch at	\$50.00
Making a total cost of	\$2101.75

They would further specify that the banks of said ditch should be cut smooth and of uniform slope and the earth excavated therefrom be deposited not nearer than two feet from the top of the banks

They would further show that the following
named persons are entitled to fees for services in
the matter as follows to wit;

William Menidenhall chairman	1 da	\$65.00
E. B. Wells rodman	1 da	11.50
J. J. Metzger apman	1 da	11.50
J. Harley chairman	1 da	11.50
William Klingsmeith apman	1 da	11.50
J. B. Metzger apman	2 da	31.00

They claim fees for services as Commissioners
of Drainage in the matter as follows to wit;

James A. McMullen as Commissioner	6 da	\$18.00
S. B. Wells as Commissioner	6 da	18.00
James Sanders as Commissioner	2 da	6.00
James Sanders as Engineer	4 da	20.00

All of which is respectfully submitted.

James Sanders
 Samuel B. Wells } Commissioners,
 James A. McMullen }

STATE OF INDIANA,

County,

SS :

We, the undersigned, Commissioners of Drainage, swear that we have each
The
petition
ally examined each tract of land assessed for benefits and damages and
whole route of the proposed work, and that such drain is of sufficient
ity to carry, without overflowing, all the water which flows or should flow
such route, that no other lands than those described in this report will be
either benefited or damaged by the construction of the proposed work, and that
all the statements therein are true and correct, and that all assessments of
benefits and injuries set forth therein are correct, just, fair and equitable to all
parties concerned, as we verily believe.

James Sanders
Samuel B Wells
James A McMillan

Commissioners.

Subscribed and sworn to by said Commissioners, this 28th day
of September, 1887, before me.

Geo R. Christian

Clerk Circuit Court.