

Drain: F M MUSSELMAN Drain #: 234

Improvement/Arm: _____

Operator: J. LIVINGSTON Date: 4-28-04

Drain Classification: Urban/Rural Year Installed: 1881

(BECAME F.M. MUSSELMAN
IN 1908)

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

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: F M MUSSELMAN

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
1898 TILE	12"	2975'	2975'		4.00/lf	11,900.00
1928	24"	175'	175'		11.00/lf	1,925.00
1928 OPEN DITCH	—	12226'	12226'		19.55/lf	239,018.30
1881 OPEN DITCH	—	3924'	3924'		19.55/lf	76,714.20
1908 TILE - ARM 1	12"	1900'	1900'		4.00/lf	7,600.00
ISSAC MEISSE						
1881 OPEN DITCH	—	300'	300'		19.55/lf	5,865.00

Sum: 21,500' 21,500' \$343,022.50

Final Report: _____

Comments:

14150

THE GLOBE-WERNICKE LEG/L WRAPPER—Patented Feb. 11, 1890—FIRST QUALITY.
DIRECTIONS—Elevate the metal points—attach the manuscript—then bend the points down flat—dampen the gummed flap and stick it flat—this fastens the papers and holds the metal.

14878.

J. M. Mendenhall

L. Rain.

3107

Repair of
Commissioners

Dec 1902

33
40
63
73
38
22
106
134
72

STATE OF INDIANA, HAMILTON COUNTY, SS:

IN THE MATTER OF THE

FRANCIS M. MUSSLEMAN ET, AL DRAIN.

REPORT OF DRAINAGE COMMISSIONERS AND ENGINEER

TO THE HONORABLE JUDGE OF THE HAMILTON CIRCUIT COURT.

We, the undersigned Commissioners of Drainage, to whom was referred the above entitled petition for the drainage of certain lands in Wayne and Noblesville Townships Hamilton County, Indiana. Resprctively report that we met on the 24th. day of November, 1908 at 10 O'clock at the home of F.M. Mussleman Wayne Township Indiana. Where after being duly qualified to act in the above entitled cause, we proceded to View and lay out and examine said peoposed drain and lands likely to be effected thereby.

Owing to the extent and magnitude of the work we were unable to complete view on above date and adjourned untill the 1st day of December 1908 on which date we again tool up the work and finished same on December 12th. Being granted extention of time by the Court untill January 4th 1909 in which to finnish and file report,

We would respectively report that the drainage as preposed is practicabil that the same when completed will improve the public health and will be of public utility; that there will be five public highways, 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 the lands likely to be benefited by said proposed drainage.

We would further report that we have definatly 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 metes and bounds, courses, distances and descriptions, grades and bench marks, including all arms and branches so as to provide for the complete drainage of the lands to be effected by the proposed work.

That we have divided the ditch or drain into stations, each not more than one hundred feet in length, and we have assessed the benefits and damages as the case may be, to each separate tract of land and to each corpo-

No.	NAMES.	DESCRIPTION OF LANDS.	Section	Tp.	Range	Acres Assessed		Acres Benefited		Amt. of Assesment		Totals	
						A	Hun.	A	Hun.	\$	Cts.	\$	Cts.
30	Castor W.P	Ptn N.W N.E	S.E	2319	5	4					2785		
✓	"	N.E	S.W	2319	5	40					18620		
✓	"	N.W	S.W	2319	5	40					18620		
✓	"	S.W	S.W	2319	5	40					18620		
✓	"	S.E	S.E	2219	5	40					18620		
✓	"	N.E	S.E	2219	5	40					18620		
✓	"	S $\frac{1}{2}$ S.E	N.E	2219	5	20					5030		
✓	"	S $\frac{1}{2}$ S.W	N.E	2219	5	20					5030		105945
31	Barker Sarah	Pt S.E	S.W	2219	5	2					1118		1118
32	Scarca C.H	N.W	S.E	2219	5	40					18620		
	"	S.W	S.E	2219	5	40					18620		37240
33	Roudebush F.M	N.W	N.E	2719	3	40					18620		
	"	Pt S.W	N.W	2719	3	37					10360		28920
34	Peter Mathen	Pt N.W	S.E	2719	5	3					984		984
35	Paulsel C.E	Pt N.W ^{TE}	N.W	2719	5	30					13980		
	"	S.E	N.W	2719	5	30					8300		
	"	S.E S.E	S.W	2719	5	3					930		23210
36	Right M.L & wife	Pt S.E	S.W	2719	5	9					4185		4185
✓ 37	Kelley S.A.D	Pt S.E	N.W	2719	5	3					696 696		696
38	Paulsel Geo.,	N.E	S.W	2719	5	35 40					16275 18620		
	"	Pt S.E	S.W	2719	5	31					14445		
	"	S.W	S.W	2719	5	38					17650		
	"	N.W	S.W	2719	5	38 40					17650 18620		66905 276450
39	Lennen Peter	Pt N.W	N.W	2719	5	10					4650		4650
40	Reynolds Wm	Pt N.W	N.W	2719	5	10					4650		4650
41	Roudebush J.R	N.E	N.E	2819	5	40					4000		
	"	S.E	N.E	2819	5	40					4000		8000

No.	NAMES.	DESCRIPTION OF LANDS.	Section	Tp.	Range	Acres Assessed		Acres Benefited		Amt. of Assessm't		Totals	
						A	Hun.	A	Hun.	\$	Cts.	\$	Cts.
42	Roudebush Geo.	Pt N $\frac{1}{2}$ N.W	27	19	5	30					8300		
	"	" S $\frac{1}{2}$ N.W	27	19	5	50					10850		
	"	" N.W S.W	27	19	5	10					1000		
	"	" N.E S.E	28	19	5	10					1000		211 50
43	Roudebush J.E	Pt S.W N.E	28	19	5	35					3500		3500
44	Holderman H	Pt S.W N.E	28	19	5	5					500		5 00
45	Stern John	Pt N.W S.E	28	19	5	10					1000		
	"	" S.W N.E	28	19	5	1 25					1 25		11 25
46	Layton Edward	Pt S.E S.E S.E	21	19	5	3					500		5 00
47	Marshal Viola & Geo.	Pt E $\frac{1}{2}$ S.E	21	19	5	57					5700		57 00
48	Lehr Jacob	Pt W $\frac{1}{2}$ E $\frac{1}{2}$ S.E	21	19	5								
	"	" E $\frac{1}{2}$ W $\frac{1}{2}$ S.E	21	19	5	60					6000		60 00
49	Barnaugh W.S	Pt W $\frac{1}{2}$ W $\frac{1}{2}$ S.E	21	19	5	40					4000		40 00
50	Kelley Anthony	Pt S $\frac{1}{2}$ N.E	21	19	5	18					1800		18 00
51	Barker Geo.	Pt N.E S.W	21	19	5	40					4000		40 00
52	Gascho Edwin	S.E S.W	21	19	5	40					4000		40 00
53	Morris Phoebe	N.W N.E	28	19	5	20					2000		
	"	N.E N.W	28	19	5	40					4000		60 00
54	Stern Jesse	Pt N.W N.E S.E	28	19	5	5					500		
55	Wayne Township	Highway N & S Bet. 13/14	25	24									
	"	" " cen. 14/27											
	"	" " " W $\frac{1}{2}$											
	"	" " " " 13/24											
	"	" " " " 26 22/27 21/28											
		one school											55 00

PROFILE PAPER.

"EXHIBIT B" MAIN DITCH

No. of Station.	Depth of Cut.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price per Cubic Yard.	Total Cost per Station.
31+34	2.74					
32	3.48					
33	3.37					
34	3.08					
35	3.04					
36	3.26					
37	3.08					
38	3.14					
39	3.03					
40	3.23					
41	3.13					
42	3.61					
43	4.95					
44	3.97					
45	3.99					
46	4.02					
47	3.83					
48	3.98					
49	3.98					
50	4.68					
51	5.12					
52	5.94					
53	5.52					
54	5.57					
55	5.50					
56	4.73					
57	4.61					
58	4.48					
59	4.11					
60	4.25					
61	4.28					

PROFILE PAPER.

No. of Station.	Depth of Cut.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price per Cubic Yard.	Total Cost per Station.
62	4.38					
63	4.11					
64	4.31					
65	4.12					
66	4.02					
67	4.66					
68	4.20					
69	3.97					
70	3.86					
71	4.49					
72	5.03					
73	5.11					
74	5.35					
75	5.35					
76	5.24					
77	5.79					
78	5.12					
79	5.91					
80	5.87					
81	6.58					
82	7.03					
83	7.81					
84	7.94					
85	8.11					
86	7.39					
87	6.44					
88	6.84					
89	6.71					
90	6.35					
91	6.81					
92	6.94					

PROFILE PAPER.

No. of Station.	Depth of Cut.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price per Cubic Yard.	Total Cost per Station.
93	6.23					
94	6.59					
95	6.43					
96	6.17					
97	6.68					
98	5.62					
99	6.85					
100	6.67					
101	7.27					
102	7.66					
103	6.86					
104	6.28					
105	7.23					
106	6.93					
107	6.80					
108	7.14					
109	8.22					
110	7.62					
111	8.36					
112	7.85					
113	7.54					
114	7.40					
115 ✓	7.64					
116	7.02					
117	6.90					
118	6.63					
119	7.93					
120	7.93					
121	8.16					
122	7.18					
123	7.09					
124	6.93					
125	6.40					
126	6.73					

PROFILE PAPER.

No. of Station.	Depth of Cut.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price per Cubic Yard.	Total Cost per Station.
127	6.99					
128	6.68					
129	9.23					
130	8.93					
131	8.08					
132	7.73					
133	7.16					
134	7.58					
135	6.99					
136 ✓	7.96					
137	7.82					
138	7.97					
139	7.67					
140	5.67					
141	7.11					
142	7.31					
143	6.84					
144	7.22					
145	7.23					
1466	7.07					
147	7.21					
148	6.35					
149	7.50					
150	6.98					
151	6.76					
152	6.62					
153	7.49					
+ 76		End of tile				
154	6.85					
155	6.47					
156	7.71					
157	7.51					
158	6.87					
159	8.45					
160	7.02					
161	6.38					

PROFILE PAPER.

No. of Station.	Depth of Out.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price per Cubic Yard.	Total Cost per Station.
162	9.34					
163	7.56					
164	8.12					
165	8.45					
166	6.57					
167	8.45					
168	7.97					
169	8.77					
170	7.84					
171	8.53					
172	8.51					
173	7.72					
174	7.39					
175	5.99					
176	4.90					
177	7.34					
178	5.90					
179	6.92					
180	7.71					
181	5.39					
182	7.07					
183	8.45					
184	8.65					
185	9.03					
186	8.79					
187	6.96					
188	6.99					
189	5.86					
190	5.68					
191	5.35					
192	4.84					
193	No reading					
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> $\begin{array}{r} 154 \\ \hline 490 \end{array}$ </div> </div>						

PROFILE PAPER.

REVISIONS BY APR NO 1

No. of Station.	Depth of Cut.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price per Cubic Yard.	Total Cost per Station.
0	4.57					
1	5.71					
2	6.44					
3	5.71					
4	5.74					
5	6.07					
6	6.64					
7	5.57					
8	5.75					
9	5.55					
10	5.33					
11	5.96					
12	5.17					
13	4.99					
14	5.48					
15	5.43					
16	5.30					
17	4.62					
18	4.39					
19	4.28					

PROFILE PAPER.

"EXHIBIT B" ARM NO 2

No. of Station,	Depth of Cut.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price per Cubic Yard.	Total Cost per Station.
0	5.37					
1	5.88					
2	5.10					
3	6.04					
4	6.09					
5	6.74					
6	5.84					
7	6.98					
8	5.98					
9	7.53					
+55	7.06					

STATE OF INDIANA

HAMILTON COUNTY

SS:

The undersigned Viewers and Engineer to whom was referred the above entitle petition for report, after being first duly sworn upon oath, says that they have personally examined the whole line and route of the proposed drainage, 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.

VIEWERS

M. C. Clark

J. F. Passwater

Hugh Johnson

Engineer

Subscribed and sworn to before me this 12 day of December 1908

Leroy J. Patten

Clerk HCC
my c

ration and Township effected; that we have fixed the beginning and outlet so as to secure the best results, and ~~we have~~ we have run the line of said 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, and the work of excavation shall be done by shovel.

WE have divided the drain into sections of 100 feet in length by setting stakes at each one hundred feet and numbered from station 0 to station 193 on the main ditch, and from station 0 to station 19 on arm NO 1 or Males arm, and from station 0 to station 54+55 on arm NO 2 or Scarce arm, We have determined that the best and cheapest method of securing said drainages is by a Main ditch and two arms or tributaries, which are each described and located as follows:-

L O C A T I O N
 #####

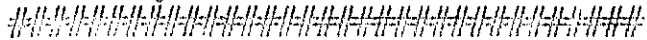
Main Ditch

Beginning 156 feet south of the north west corner of the north east quarter of the south west quarter of Section 13 Township 19 R, 5 East, At a stake maked 0 thence south 60° W, 600 ft, thence south 19° W, 1700, ft, thence south 31° W, 680 ft, thence south 45° W 2740 ft, thence south 65° W 1580 ft, thence south 81° W 1300 ft, thence south 74° W 860 ft, thence south 54½° W 1400 ft, thence 59° W 1530 ft, thence W 350. ft, thence north 80° W 1150 ft, thence north 74° W 2050 ft, thence north 83° W 1830ft thence W 1830 ft, and terminents at a stake marked 193 at the south east corner of the north west quarter section 21 township 19 N, R, 5 east.

Arm NO 1 to main ditch,

Beginning 700 ft east and 125 ft south of the north west corner of the north east quarter of section 23 township 19 R. 5 east, thence south 60° E 200 ft, thence south 30° E 200ft, thence south 37° W 575 ft, thence south 80° E 175 ft, thence south 55° E 150 ft, thence south 35° E 300 ft, thence south 200 ft, thence south 45° W 100 ft, and terminus in Main Ditch at station 54+64 .

R E Q U I R E M E N T S



Main Ditch

To consist of one row of 12 inch tile from station 0 to station 31+24 all of which are in place and considered sufficient and made a part of the drain, and one row of 16 inch drain tile from station 31+24 to station 54+64, and one row of 18 inch drain tile from station 54+64 to station 115+00, and one row of 20 inch drain tile from station 115+00 to station 136+00, and one row of 22 inch drain tile from station 136+00 to station 136+00, and one row of 24 inch drain tile from 136+00 to station 153+66, and one row of 24 inch sewer tile from station 153+66 to station 153+76, and an open ditch one foot wide in the bottom from station 153+76 to station 193 or terminus. All banks shall be cut to a uniform slope of 1 to 1 or 45° slope .

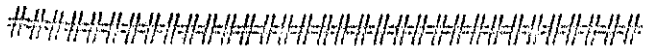
Arm NO 1 to main ditch

To consist of one row of 12 inch drain tile from station 0 to station 19 or terminus.

Arm NO 2 to main ditch,

To consist of one row of 12 inch drain tile from station 0 to station 2+55 or terminus.

C A T C H B A S I N S



At station 31+24 on Main ditch

At station 67+00 " " "

At station 139+ " " " *on west side of Bridge*

At station 0 on Arm NO 2

All above mentioned catch basins to be built from hard burnt brick laid up in mortar made of one part Portland cement to three parts clean, sharp sand and covered with an iron ring and open cover of the Elwood Iron Works pattern. Dimensions of same to be 22 inches in diameter. Said catch basin to be three feet in diameter inside measurement, the walls to be 9 inches thick and extend to a depth of 18 inches below the bottom of the tile and to a height to conform with the general conditions of the

ground. The bottom of the catch basin to be floored with one layer of brick and plastered $\frac{1}{2}$ inch thick with cement mortar over the bottoms and the sides one foot above the tile. All inlet and outlet tile to be first grade sewer tile and to be built in the walls of the catch basins.

RETAINING WALL.

#####

At station 153+76 (at the end of the tile) to be constructed a retaining wall of field rock laid up in mortar of one part Portland cement to three parts clean, sharp sand. Said wall to be 20'x7'x2' and built to conform to drawing furnished by the Engineer in charge of the work.

TILE & MATERIAL

#####

All tile and material used in the ~~work~~ 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 HEADLINING
AND
GRUBBING ETC.

After the tile portion of the ditch have been dug to the proper grade the tile shall be laid in the trench at the correct grade as shown on the profile herewith attached and marked "EXHIBIT B" in a true with the joints well matched and to be left uncovered until inspected and accepted by the Engineer in charge of the work, after which they shall be covered with earth to a depth of 24 inches for the full width of the open channel and where the ditch is a new cut the trench shall be filled full and well packed so that no settlement may occur. Where catch basins are built the filling shall be made so the surface water may flow into the basins.

All earth removed from the open portions shall be deposited not nearer than two feet from the break of the bank.

All trees, shrubs, weeds and rubbish ~~on the bank~~ the open portion of the ditch shall be cut and removed on each side of the ditch to a distance of five feet from the break of the banks.

Trees and bushes along the tile part of the ditch shall be deadened back 25 feet on each side of the ditch.

FALL OF ESTABLISHED GRADE
.....
.....

Main Ditch 10/100 ft. fall to each 100 feet or station from station 0 to station 193 or terminus.

Arm NO 1 of Main Ditch is 57/100 ft. to each 100 feet or station from station 0 to station 19 or terminus

Arm NO 2 of Main Ditch one foot fall to each 100 feet or station from station 0 to station 9+55 or terminus.

Should quick sand be encountered the contractor will be required to use whatever means that may be required by the Engineer to so bed the tile that they will remain in proper position and at proper grade.

The old tile that is already in the old ditch the contractor shall take the same out and place them on the bank of the ditch in good shape, and the tile to remain the property of no person owning the land that ^{originally placed} the same ~~was found~~ in the ditch ~~by~~, and the contractor shall use the 12" tile on the arms of the ditch and at a price equal to the normal cost of tile of same size placed on ditch bank - no second hand tile to be used except, such as are inspected and approved by the Engineer

E S T I M A T E D C O S T

Excavation on the Main Ditch-----	\$1571.75
2340 feet of 16" drain tile -----	444.60
6036 " " 18" " " -----	1685.40
1100 " " 20" " " -----	368.50
1000 " " 22" " " -----	400.00
1766 " " 24" " " -----	794.70
10 " " 24" Salt glazed sewer tile -----	15.00
4 " " 18" " " " " -----	6.00
2 " " 16" " " " " -----	2.00
2 " " 14" " " " " -----	2.00
4 " " 24" " " " " -----	6.00
1 Y connection tile 18 x 16 x 12 -----	2.00
1 Y " " 20 x 20 x 12 -----	2.00
3 catch basins with Iron tops -----	45.00
1 Retaining wall 20 x 7 x 2 by plans table in front-----	50.00
Laying tile filling ditch deadning & grubbing -----	500.00
	\$5894.95

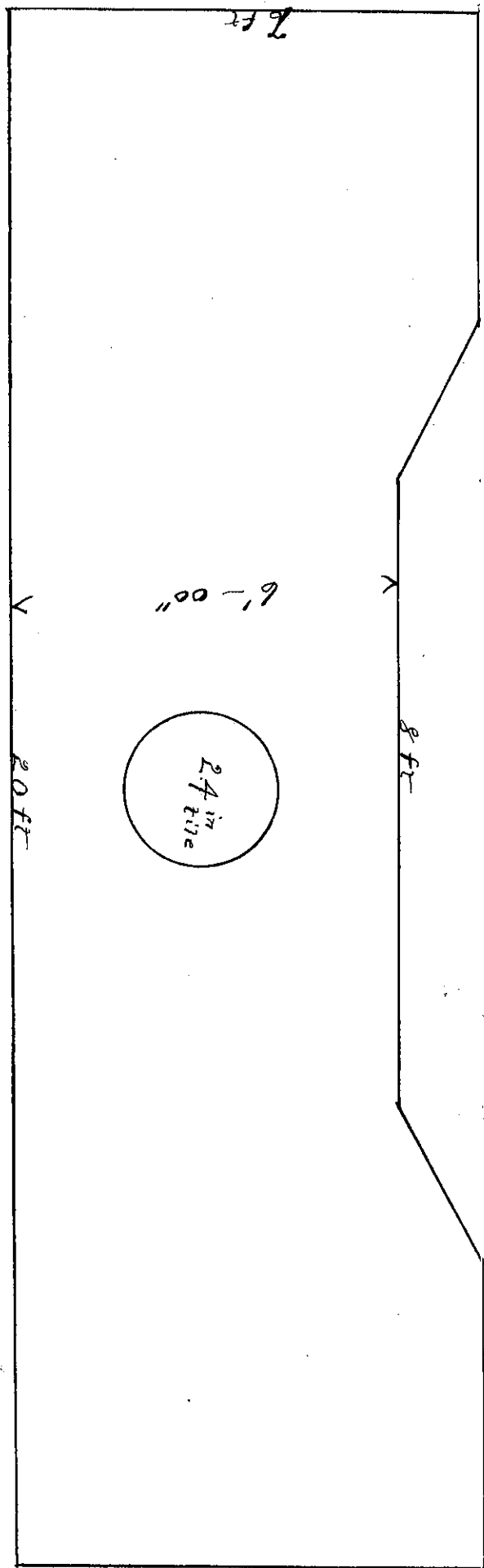
E S T I M A T E D C O S T O N A R M N O 1

Excavation -----	\$ 170.00
1900 feet of 12" drain tile -----	180.560
Laying tile filling ditch deadning & grubbing -----	50.00
	\$400.50

E S T I M A T E D C O S T O N A R M N O 2

Excavation -----	\$130.00
955 feet of 12" drain tile -----	95.00
33 " " 8" " " to connect M.F. Roudebushes ditch to catch basin estimate in the 12" tile <i>Roudebush's drains to be taken up and lowered to make proper connection with catch basin</i>	
1 Catch Basin with Iron top -----	15.00
Laying tile filling ditch deadning & grubbing -----	30.00
	\$270.00
4 feet of 12" sewer tile for catch basin -----	1.00
	\$271.00
Total cost \$	6566.45

Retaining Wall



Length 20 ft
 Height 6 "
 Width of Base 30 inches
 " " Top 15 "

Water table in front of wall
 5 ft long 11 ft wide

Water table 4 feet wide by 6 feet long by 8" thick to be constructed in front
 of wall and at grade of no. of feet part of the water at mouth of pipe.

No.	NAMES.	DESCRIPTION OF LANDS.	Section	Tp.	Range	Acres Assessed		Acres Benefited		Amt. of Assessm't		Totals		
						A	Hun.	A	Hun.	\$	Cts.	\$	Cts.	
1	Snyder O.J.	Pt S $\frac{1}{2}$. N $\frac{1}{2}$.	N.W	13	19	5	18			50	30	50	30	
2	Snyder Charles	Pt N $\frac{1}{2}$ S.E	N.W	13	19	5	5			23	25	23	25	
3	McDonald W.C	Pt N $\frac{1}{2}$. S.E	N.W	13	19	5	5			23	25	23	25	
4	Zook M.B	Pt S $\frac{1}{2}$ S.E	N.W	13	19	5	4			18	62	18	62	
5	Zook N.L	Pt S $\frac{1}{2}$ S.E	N.W	13	19	5	6			27	90	27	90	
6	McDonald Nancy	Pt E $\frac{1}{2}$ S $\frac{1}{2}$ S.E	N.W	13	19	5	2			9	30	9	30	
7	Craig John, C	N.E	S.W	13	19	5	40			186	20	186	20	
8	Crull Trelove	Pt S.E	S.W	13	19	5	30			139	80	139	80	
9	Mussleman F.M	N.W	S.W	13	19	5	40			186	20	186	20	
	"	S.W	S.W	13	19	5	40			186	20	186	20	
	"	Pt N.W	N.W	24	19	5	25			116	20	116	20	
	"	" S.W	N.W	24	19	5	5			25	25	571	85	
<i>credit on account of tile previously paid for 15000</i>												130	361	15
10	Tescher Nicholas	S.W	N.W	13	19	5	40			186	20	186	20	
11	Teter Geo, D	S.E	N.E	14	19	5	40			186	20	186	20	
	"	W $\frac{1}{2}$ N.E	S.E	14	19	5	20			93	10	279	30	
12	Taylor Lela	N.W	S.E	14	19	5	40			148	90	148	90	
	"	Pt S.W	N.E	14	19	5	18			71	50	190		
13	Castor W.H	S.W	S.E	14	19	5	40			186		186		
	"	W $\frac{1}{2}$ S.E	S	14	19	5	20			93		93		
	"	Pt N.E	N.E	23	19	5	6			27		27		
	(McDonald) →	" N.W	S.E	23	19	5	18			84		84		
	"	" N.W	N.W	26	19	5	20			5		5		
	"	" N.E	N.E	27	19	5	40			1		1		
	"	Pt S.E	N.E	27	19	5	20							

No.	NAMES.	DESCRIPTION OF LANDS.	Section	Twp.	Range	Acres Assessed		Acres Benefited		Amt. of Assessm't		Totals	
						A	Hun.	A	Hun.	\$	Cts.	\$	Cts.
15	Teter Stanley	Pt E $\frac{1}{2}$ E $\frac{1}{2}$ S.E	14	195	25					11620		11620	
16	Sylvester Hezekiah	Pt S.E S.E S.E	14	19	5	10				4650		4650	
17	Mussleman Geo.&wife	Pt S.E S.E N.W	14	19	5	2				465		465	
18	Mary Males	S.E S.W	14	19	5	40				18620			
	"	Pt N.E S.W	14	19	5	20				5530			
	"	" S.W S.W	14	19	5	20				418			
	"	" N.E N.E	22	19	5	15				1500		26118	
19	McDonald Homer	N.W N.W	23	19	5	40				18620			
	"	N.E N.W	23	19	5	40				11130			
	"	Pt N.E N.E	22	19	5	4				930		30710	
20	McDonald T.J	N.W N.E	23	19	5	40				18620			
	"	S.W N.E	23	19	5	40				18620		37240	
21	Graham Emma	Pt N $\frac{1}{2}$ S.E S.W	23	19	5	12				5354			
	"	" W $\frac{1}{2}$ S.W S.E	23	19	5	3				450		5804	
22	Hollenback M.C	Pt W $\frac{1}{2}$ N.W S.E	23	19	5	5				2325		2325	
23	Branson L.H	Pt N.W N.W S.E	23	19	5	450				2100		2100	
24	Smith Wm	Pt N $\frac{1}{2}$ N.E N.E	23	19	5	14				6510		6510	
		" N.E N.E	23	19	5	20				9310			
		Pt S.E N.E	23	19	5	32				14900		24210	
26	Castor Sarah	S.W				40				18620			
	"	S.E N.W	23	19	5	40				18620		37240	
27	Parnell W.C	Pt E $\frac{1}{2}$ N.E N.E	22	19	5	6				675		675	
28	Kelley Emma	Pt N $\frac{1}{2}$ S.E N.E	22	19	5	12				3553		8272	
29	Castor Alix	Pt N.W S.E	23	19	5	2						11620	

23081

Musselman Drain

Report set for hearing

Nov. 14-1928.

Examined and Affirmed
Feb. 12-1929.

Fred E. Price
Judge

FILED

OCT 15 1928

J. E. Jones
CLERK, HAMILTON C. G.

STATE OF INDIANA)
) SS
HAMILTON COUNTY)

IN HAMILTON CIRCUIT COURT.

IN THE MATTER OF THE PETITION

OF . CLARENCE..A..MUSSELMAN..... Et. Al.

No. 23081

FOR Repair of the F. M. Musselman 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 Noblesville and Wayne Townships Hamilton County, Indiana, was referred.

We would respectfully report that we met in the Auditors Office, on the *11th* day of *Sept*..... 1928, qualified and proceeded to View said Drain and lands effected thereby.

After a careful investigation of the condition of said proposed Drain, we are of the opinion that said Drain should be constructed 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, damages and expense of effecting said Drain will be less than the benefits to the lands effected by said Drainage.

That we definetely 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 a 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

Musselman Drain

= 1 =

NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amount of Benefits		Amount of Assessment		Total Assessment	
					A	Hun	A	Hun	\$	Cts.	\$	Cts.	\$	Cts.
J. D. Snyder est	pt NW NW	13	19	5			18	00	95	70	87	80	87	00
J. B. McDonald	pt SW, SE, NW	13	19	5			4	00	21	23	19	30	19	30
John C. Craig	NE SW	13	19	5			40	00	212	52	193	20	193	20
Clarence Musselman	SE SW	13	19	5			32	00	170	01	154	56	154	56
Minnie Musselman	SW NW	13	19	5			40	00	212	31	193	01		
Do	NW SW	13	19	5			40	00	595	11	541	01		
Do	SW SW	13	19	5			40	00	595	12	541	02	1275	04
Geo Musselman	pt SE SE NW	14	19	5			2	00	9	02	8	20	8	20
Roy Musselman	pt SW NE	14	19	5			18	00	99	59	86	90		
Do	pt SE NE	14	19	5			39	00	207	25	188	40		
Do	NW SE	14	19	5			40	00	180	40	164	00	439	30
Lillie B. Snyder	pt SE, SE, NE	14	19	5			1	80	9	57	8	70	8	70
Ansel Edrington	pt NE, NE, SE	14	19	5			5	00	8	41	7	65	7	65
Muriel House	pt NE SE	14	19	5			35	00	185	95	169	05		
Do	pt NE, SE, SE	14	19	5			5	00	26	56	24	15	193	20
Oryis Musselman	SW SE	14	19	5			40	00	180	40	164	00		
Do	pt W, SE, SE	14	19	5			35	00	230	90	209	51		
Do	pt N, SE SW	23	19	5			12	00	59	12	49	20	435	01
Do	pt NW, SW, SE	23	19	5			3	00	13	53	12	30	699	03
Ora J. Davis	pt E, NE SW	14	19	5			20	00	90	20	82	00		
Do	N 1/2 SE SW	14	19	5			20	00	90	20	82	00		
Do	pt SE, SW, SW	14	19	5			5	00	22	55	20	50	184	50
T. H. McDonald	S 1/2 SE SW	14	19	5			20	00	90	20	82	00	82	00
Ralph Musselman	NW NW	24	19	5			40	00	431	20	392	00		
Do	SW NW	24	19	5			45	00	112	75	102	50	494	50
Pearl Woodward	NE NE	23	19	5			40	00	363	20	512	00		
Do	pt SE NE	23	19	5			32	00	144	32	131	20	643	20

Muselman Ditch

= 2 =

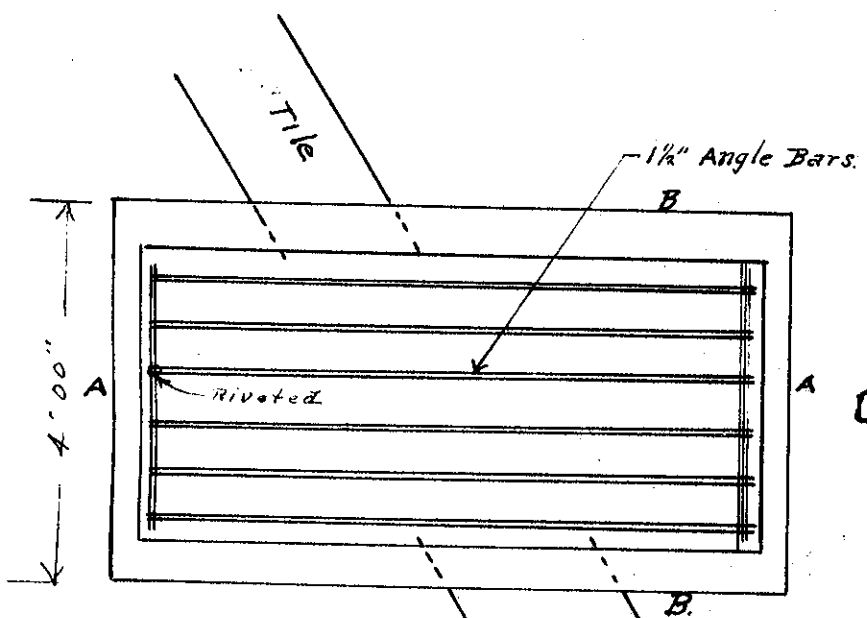
NAMES	DESCRIPTION OF LANDS			Section	Township	Range	Acres Assessed		Acres Benefited		Amount of Benefits		Amount of Assessment		Total Assessment	
							A	Hun	A	Hun	\$	Cts.	\$	Cts.	\$	Cts.
Lilly G. McDonald	N 1/2 NW	NE	23	19	5			20	00	90	20	82	00	82	00	
Clayton McDonald	Pt W	NE	23	19	5			60	00	565	40	514	00	514	00	
Lucy H. McDonald	NW	NW	23	19	5			40	00	180	40	164	00			
Do	NE	NW	23	19	5			40	00	180	40	164	00			
Do	Pt NE	NE	22	19	5			40	00	18	04	164	00	344	40	
Sarah Huppman	SW	NW	23	19	5			40	00	180	40	164	00			
Do	SE	NW	23	19	5			40	00	563	20	512	00	676	00	
Otto Wolf	Pt NW	SE	23	19	5			2	00	9	02	8	20	8	20	
Edward Good	Pt NW	SE	23	19	5			5	00	22	55	20	50	20	50	
Margarst Hollenback	Pt SW, NW, SE		23	19	5			5	00	22	55	20	50	20	50	
W.P. Coator	NE	SW	23	19	5			40	00	563	20	512	00			
Do	NW	SW	23	19	5			40	00	475	20	432	00			
Do	SW	SW	23	19	5			40	00	180	40	164	00			
Do	NE	SE	22	19	5			40	00	387	20	352	00			
Do	SE	SE	22	19	5			40	00	387	20	352	00			
Do	S 1/2 SE	NE	22	19	5			20	00	90	20	82	00			
Do	S 1/2 SW	NE	22	19	5			20	00	90	20	82	00	1976	00	
Emma Kelly	Pt	NE	22	19	5			75	00	202	95	184	50	184	50	
Della Petter	Pt	NE	22	19	5			16	00	72	16	65	60	65	60	
S.H.D. Kelly	Pt NE, NE, NW		22	19	5			3	00	13	53	12	30	12	30	
C.H. Scarce	NW	SE	22	19	5			40	00	180	40	164	00			
Do	SW	SE	22	19	5			40	00	475	20	432	00			
Do	Pt SE, SE, SW		22	19	5			2	00	9	02	8	20	604	20	
Geo Pausel	Pt NE	SW	22	19	5			35	00	157	85	143	50			
Do	Pt SE	SW	22	19	5			33	00	148	83	135	30			
Do	Pt NW	SW	22	19	5			28	00	126	25	114	80			
Do	Pt SW	SW	22	19	5			38	00	169	15	153	80	547	40	

Musselman

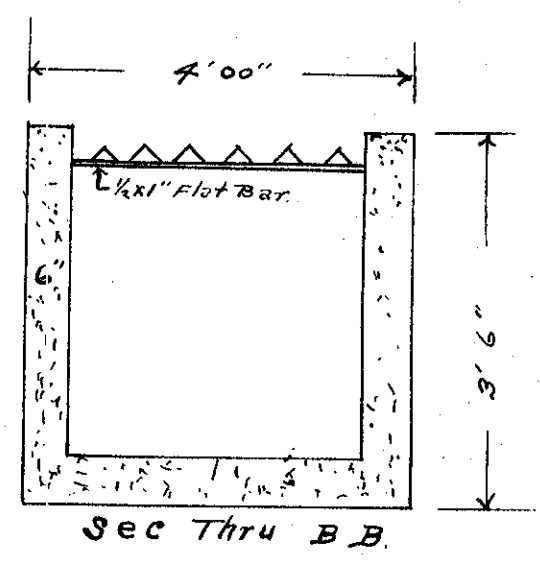
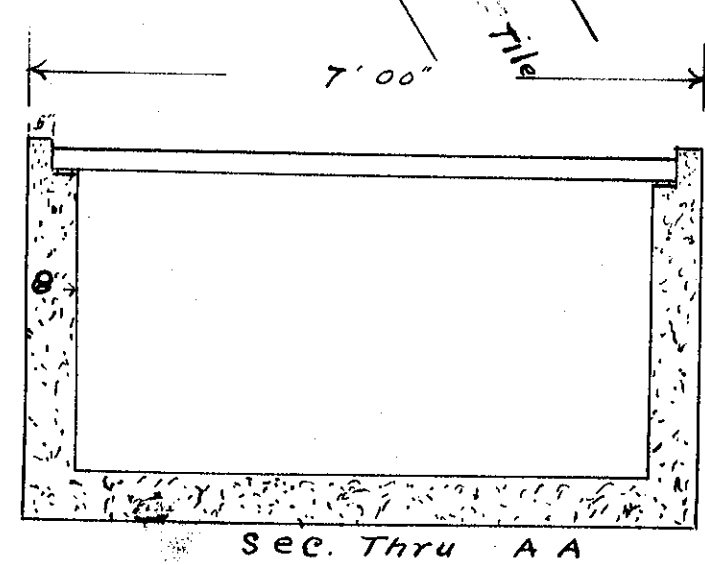
= 3 =

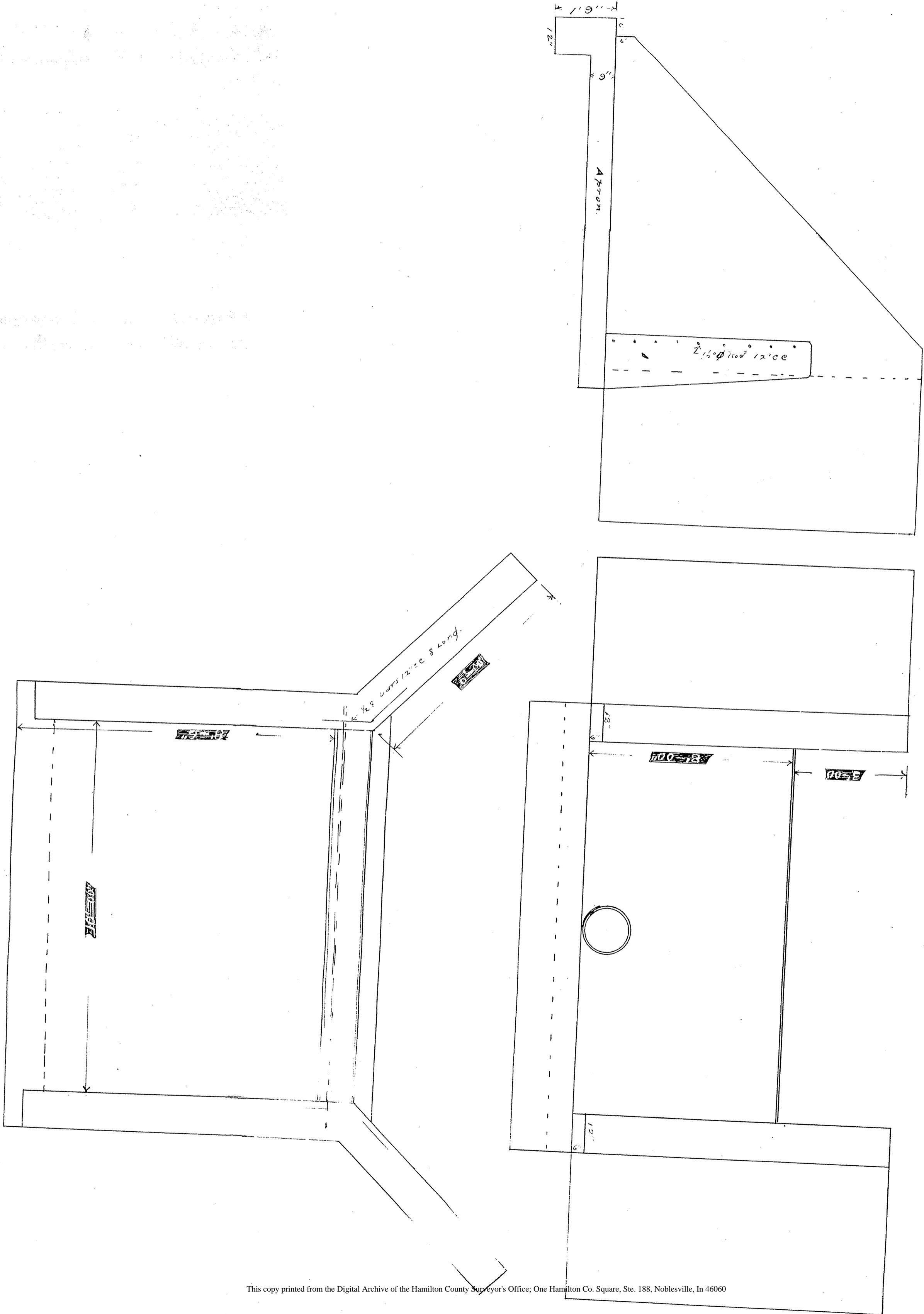
NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amount of Benefits		Amount of Assessment		Total Assessment	
					A	Hun	A	Hun	\$	Cts.	\$	Cts.	\$	Cts.
Mary Vandercook	pt SE, SE, SW	22	19	5			9	00	40	59	36	90	36	90
R.B. Caator	N 1/2 NW	26	19	5			20	00	90	20	82	00		
Do	NE	27	19	5			40	00	180	40	164	00		
Do	SE	27	19	5			20	00	90	20	82	00	328	00
Omer Armstrong	NW	27	19	5			40	00	180	40	164	00		
Do	pt SW	27	19	5			37	00	166	87	151	70	315	70
Lee Kellum	pt NE	27	19	5			30	00	135	30	123	00	246	00
Do	pt SE	27	19	5			30	00	135	30	123	00	328	00
Peter Lenen	NE NW	27	19	5			10	00	45	10	41	00	41	00
Anthony Kelly	NW NW	27	19	5			10	00	45	10	41	00		
Do	pt S. SW	21	19	5			5	00	22	55	20	50	61	50
Geo W Raudebush	5/8 NW	27	19	5			20	00	90	20	82	00		
Do	N 1/2 SW	27	19	5			20	00	90	20	82	00	164	00
J.E. Raudebush	pt NE	28	19	5			7	00	31	57	28	70	28	70
Elbert Raudebush	pt SE, SE, SE	21	19	5			3	00	13	53	12	30	12	30
Viola & Geo Marshall	pt E	21	19	5			55	00	248	05	225	50	225	50
Jacob Lehr & wife	pt W. E 1/2	21	19	5			10	00	45	10	41	00		
Do	pt E. W 1/2	21	19	5			40	00	180	40	164	00	205	00
Clyde Cranfield	pt W. W 1/2	21	19	5			40	00	180	40	164	00	164	00
Hamilton County	Benefit to public Highway 1-N 1/2 S Bet	13	19	5					55		50	00		
Do	1-E & W Bet	14	19	5					55		50	00		
Do	1-E & W Bet	23	19	5					27	50	25	00		
Do	1-N 1/2 S Thru W 1/2	22	19	5					5	50	5	00	100	00
Noblesville Township	1-E & W Bet	21	19	5					16	50	15	00	15	
Wayne Township	1-N 1/2 S Thru	23	19	5					5	50	5	00	5	

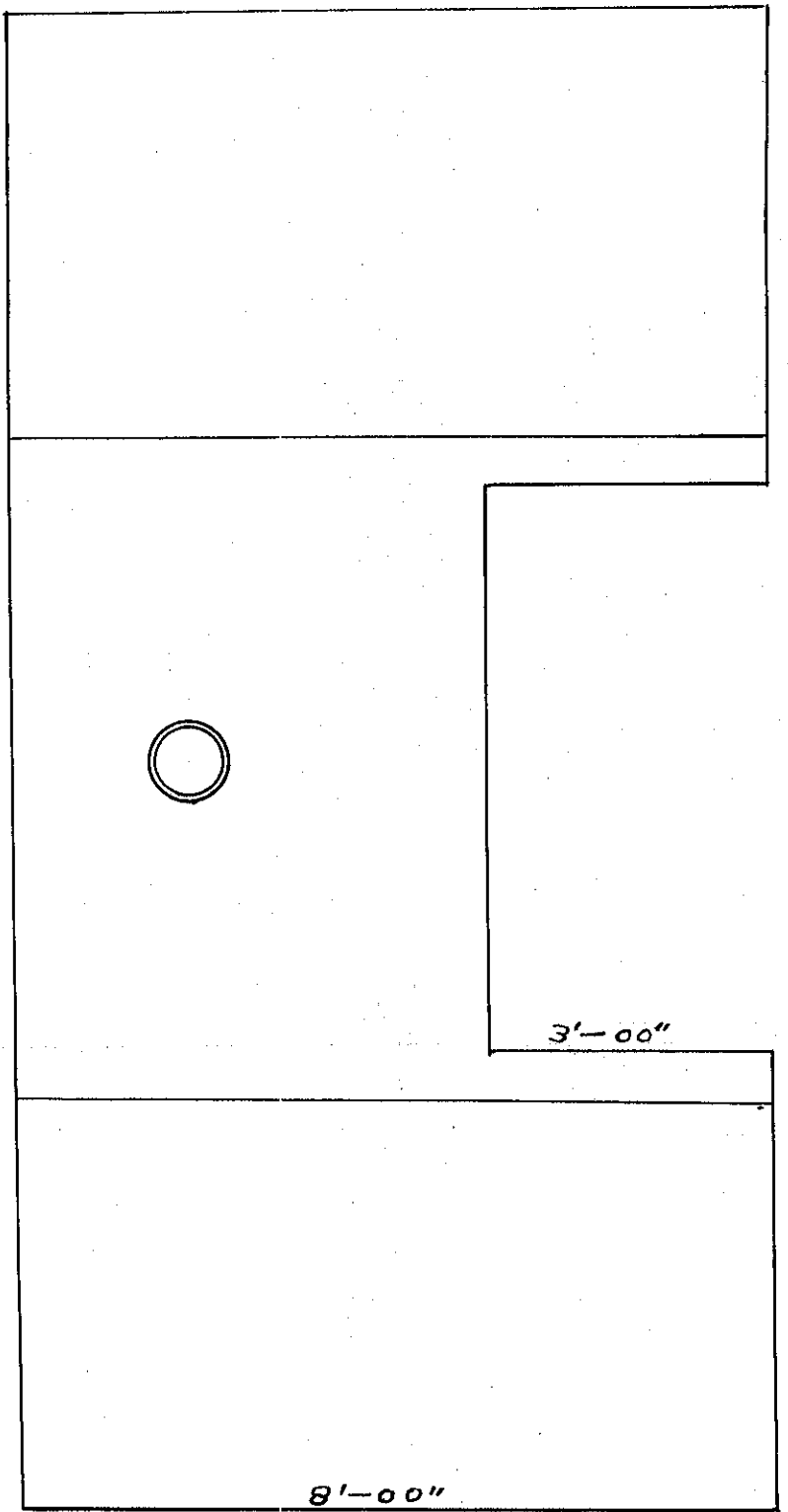
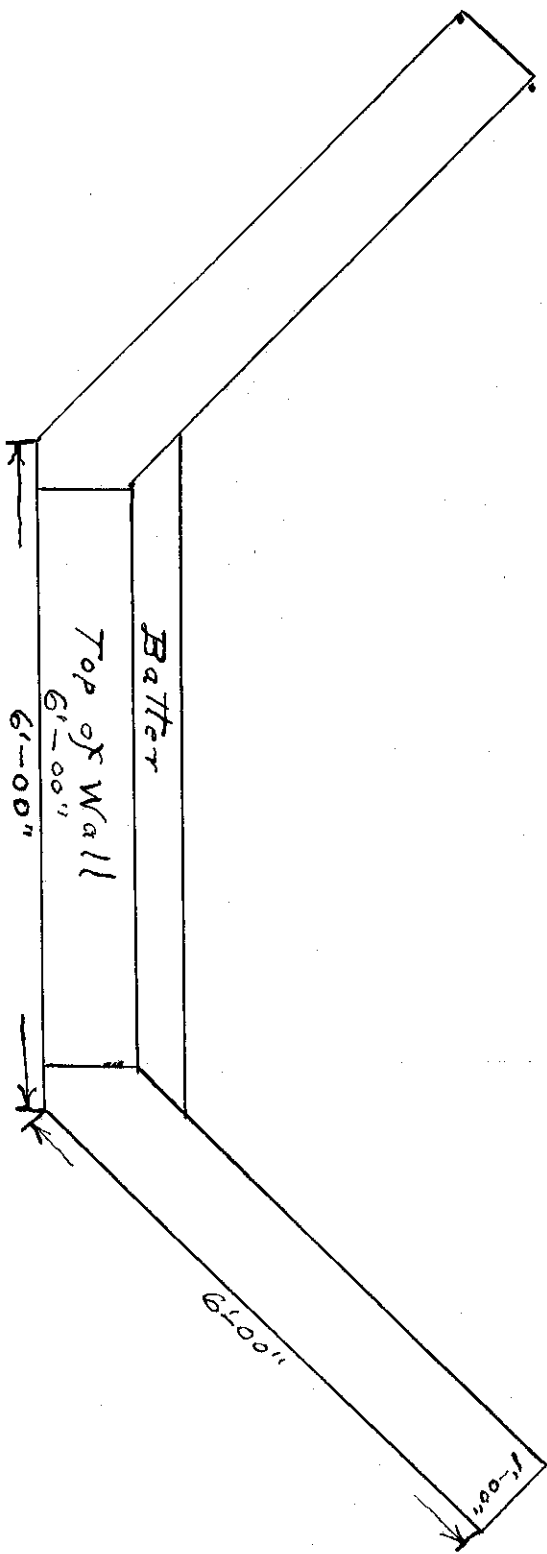
NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amount of Benefits		Amount of Assessment		Total Assessment	
					A	Hun	A	Hun	\$	Cts.	\$	Cts.	\$	Cts.
Barnau Area														
Clyde Grandfield	pt W 1/2 SE	21	19	5			20	00	11		10		10	
									17 60		16 00		16 00	
Edna Garcho	pt SE	SW	21	19	5		22	00	12	10	11		11	
									19 36		17 60		17 60	
Ed Roudeshush	pt E 1/2 NE	NW	28	19	5		18	00	7	90	9		9	
									15 84		14 40		14 40	
Ivan H Fisher	NW	NE	28	19	5		39	00	21	50	19	50	19	50
									34 32		31 20		31 20	
Jacob Lehr & wife	pt E 1/2	SE	21	19	5		10	00	5	50	5		5	
									8 80		8 00		8 00	
J.E. Roudeshush	pt E 1/2	NE	28	19	5		33	00	18	20	16	50		
									29 04		26 40			
Do	SE	NE	28	19	5		40	00	21		20			
									35 20		32 00			
Do	pt SW	NE	28	19	5		35	00	19	25	17	50		
									30 80		28 00		56	50
Do	pt SE	NW	28	19	5		5	00	2	75	3	50	90	40
									4 40		4 00			
Geo W Roudeshush	pt E 1/2	SE	28	19	5		15	00	8	25	7	50		
									13 20		12 00		40	50
Do	pt SW	NW	27	19	5		20	00	66		39		28	00
									17 60		16 00			
John L Stern	pt NW	SE	28	19	5		16	00	8	80	8		8	00
									14 08		12 80		12 80	
John Stern & wife	pt W 1/2 SE	28	19	5		40	00	12		20			20	63
									35 20		32 00			
Do	pt SE, SE, SW, NE	28	19	5		1.25			70		63		83	00
									1 70		1 00			
Daniel Holderman	pt SW	NE	28	19	5		3.75		2	06	1	88	1	88
									3 30		3 00		3 00	



PLAN
FOR
CATCH BASIN
C.E. LONG DRAIN







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 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 beleive.

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

.....
G. W. Fisher
.....
Viewers.

.....
E. A. Busch
.....
Engineer.

Subscribed and Sworn to before me this *13* day of *Oct* 192*8*.

.....
W. E. Furnas
.....
Clerk of Hamilton Circuit Court.

LOCATION,

Beginning at a point 100 feet ~~North~~ and 16 feet ~~East~~ of the Southwest corner of Section 13, Township 19 North, Range 5 East, which point is Station ~~29+75~~²⁹⁺⁷⁵ on original F.M. Musselman Drain, Thence South 39 degrees and 40 minutes West to Station 55; Thence South 59 degrees and 45 minutes West to Station 73+70; Thence South 77 degrees to Station 95+25; Thence South 52 degrees and 12 minutes West to Station 112; Thence South 64 degrees West to Station 126+75; Thence 81 degrees and 10 minutes West to Station 130; Thence North 80 degrees and 25 minutes West to Station 140; Thence North 75 degrees and 55 minutes West to Station 155¹⁵⁵⁺⁷⁶; Thence North 76 degrees and 10 minutes West to Station 162+50; Thence North 83 degrees West to Station 177; Thence North 82 degrees West to Station 180+50; Thence West to Station 193+30.

REQUIREMENTS.

From Station 29 plus 75 to Station 31 Plus 50 , shall be One Row of 24 inch Tile,
From Station 31 plus 50, to Station 193 plus 30 shall be an Open Ditch, Side slopes
One to One or 45 degrees , and to the Width at bottom as follows;

From Station 31 plus 50, to Station 67, shall be 2 feet wide in bottom,

From Station 67 to 115, shall be 3 feet wide in bottom,

From Station 115 to 193 plus 50 4 feet wide in bottom,

" " 180+50 to 193+50 No Clearing, Grubbing, & Deadening to be done on top of Banks.
At Station 29 plus 75 shall be constructed a concrete Box inlet, into which shall

be connected the tiles of the F.M. Musselman Drain,

At Station 31 plus 50 shall be constructed a concrete headwall which shall join to
the East end of the South header of a Now existing Road Culvert and shall extend at
right angle to the line of Ditch a distance of sixteen (16) feet from said Road
Culvert header, and shall be so constructed as to form an over flow for side ditch
of Road, by leaving the ends of said wall on a level with the adjoining land and ~~to~~
the center of said wall 2 foot lower than the ends.

At or near Station 54 plus 64, Where an Arm to said F.M. Musselman drain enters
there shall be a concrete retaining Wall built to protect the tiles of said Arm,

At or near Station 116 there shall be constructed a concrete retaining Wall, to
protect the tiles in an Arm entering from the Southeast,

At or near Station 190 plus 20 there shall be constructed a concrete retaining
Wall, to protect the outlet of what is known as the Bernau Drain,

All of said concrete work to be done to conform to the plans for ~~the~~ same attached
and the Specifications herein written.

TILE PORTION,

The digging of each and every portion of the Ditch must be at its outlet, or its junction with another Drain 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 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 a 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 a 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 reason 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 indestructable 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 in 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 Ditch 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 injure 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 ~~XXX~~ 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 ~~XXXX~~ concrete work included in these Specifications shall be a mixture of 1-- 2 --3 ; One part Portland Cement, Two part 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 shall be neatly constructed from strong materials, and shall be true to lines, dimensions and shape given for the different structures.

The work will be staked out by the Engineer and his stakes must be carefully preserved and followed. Said ^{Open} Ditch to be constructed by excavating all the earth, mud, slush, boulders, rocks and stones from the bed of said Ditch, to the depth and width shown on the ~~xxxxxx~~ tabulated statements of Cuts and widths, Said tabulated statement is hereby made a part of this report.

All materials excavated shall be equally distributed on both banks by alternating the lifts, and shall be deposited not nearer than four feet from the break of the banks (meaning the line as indicated by the slope with the general elevation of the ground) Said materials not to be left in heaps or piles,

And where the Ditch crosses the Old channel, the earth excavated from the New ditch, shall be used to make a levee on the lower side of the line of ditch across said Old channel, to prevent overflow from New channel down the Old channel.

Said levees shall be made by the contractor, and shall be to the height of two feet above the natural ground of the abutting banks of said New Ditch, and Four feet on Top. Said Ditch shall be Cut true to the line of widths and grade given by this report, and shall have side slopes of One to One, or Forty-Five degrees.

All trees, stumps, briars, and weeds to be Cut, grubbed and removed from the Banks for a distance of two Rods on each side from the center line of the Ditch.

Muccelman Drain.

Sta,	GroundCut,	DitchCut,	Cu. Yds.	Sta,	GroundCut,	DitchCut,	Cu. Yds.
31-24	5.18			86	5.59		168
31-39	7.01		28	87	5.91		186
32	3.87		90	88	6.01		197
33	3.80		84	89	5.89		197
34	3.74		82	90	6.04		197
35	3.62		78	91	6.04		202
36	3.66		76	92	5.57		189
37	3.72		78	93	6.15		192
38	3.58		76	94	6.24		211
39	3.74		76	95	6.19		211
40	3.85		82	96	6.03		206
41	3.96		85	97	5.86		197
42	4.22		92	98	5.56		184
43	4.54		104	99	5.93		186
44	4.44		108	100	6.23		205
45	4.63		110	101	6.36		217
46	4.75		116	102	6.42		223
47	4.58		115	103	6.48		226
48	4.80		117	104	6.83		238
49	4.65		117	105	6.55		241
50	5.25		127	106	6.53		232
51	4.81		131	107	6.75		238
52	5.22		131	108	6.35		232
53	5.18		139	109	6.82		235
54	5.24		139	110	6.85		250
55	5.06		136	111	8.00		285
56	5.50		143	112	8.13		330
57	5.26		148	113	7.47		312
58	5.41		145	114	7.42		288
59	5.14		143	115	6.74		265
60	5.08		134	116	10.02		295
61	4.90		130	117	7.52		295
62	4.74		122	118	7.02		302
63	4.87		121	119	7.54		302
64	4.87		124	120	7.02		302
65	4.94		125	121	6.92		285
66	4.72		123	122	6.61		269
67	4.88		121	123	6.66		262
68	4.87		143	124	7.01		275
69	4.92		145	125	7.66		308
70	4.89		144	126	7.41		320
71	4.84		141	127	7.56		315
72	5.21		149	128	6.59		285
73	4.92		151	129	6.91		260
74	4.97		146	130	8.69		335
75	5.07		148	131	8.82		400
76	5.12		153	132	7.74		370
77	5.70		168	133	7.34		313
78	5.40		176	134	7.24		299
79	5.43		169	135	7.59		307
80	5.25		165	136	6.84		290
81	5.30		162	137	6.99		275
82	5.20		160	138	7.77		305
83	5.15		157	139	6.91		304
84	5.27		158	140	6.64		265
85	5.18		159	141	6.12		247

MUsselman Drain,

Sta,	GroundCut,	DitchCut,	Cu.Yds	Sta,	GroundCut,	DitchCut,	Cu.Yds.
142	5.54		214				
143	5.69		199				
144	5.69		205				
145	5.84		207				
146	6.29		225				
147	6.27		237				
148	6.07		231				
149	6.02		225				
150	6.12		228				
151	6.17		231				
152	6.14		231				
153	6.52		243				
154	6.27		246				
155	5.54		220				
156	5.86	5.01	208				
157	5.86	4.81	188				
158	8.16	4.81	216				
159	8.39	4.56	250				
160	8.46	4.51	250				
161	7.51	5.16	247				
162	7.08	4.41	225				
163	7.51	4.86	222				
164	6.81	5.08	225				
165	8.31	4.56	234				
166	7.06	4.26	225				
167	7.36	3.96	210				
168	6.51	4.56	199				
169	5.99	4.76	191				
170	8.63	4.56	222				
171	10.06	4.56	281				
172	5.36	5.66	247				
173	6.91	5.06	208				
174	5.66	4.71	199				
175	8.26	5.21	220				
176	7.56	4.76	252				
177	7.59	4.11	222				
178	6.67	3.66	194				
179	4.81	3.56	152				
180	5.56	3.91	140				
180-50			70				
181	8.54	0.00	3				30,057
182	8.91	0.00	3				
183	8.36	0.00	3				
184	10.46	0.00	3				
185	10.91	0.00	3				
186	11.23	0.34	3				
187	11.79	0.74	3				
188	10.71	0.24	9				
189	10.03	0.00	8				
190	10.62	0.17	3				
191	10.22	0.06	2				
192	10.69	1.03	3				
193	10.72	0.56	9				
193-30	11.27	0.00	5				
			4				61

Total Cu yds 30,115

Estimated cost of construction Including,
 Material, Labor, Hauling, etc.,
 Necessary for completion of work in
 accordance with the Plans & Specifications,

Station	to Station	\$.....
Station	to Station	\$.....
Station	to Station	\$.....
Station	to Station	\$.....
Station	to Station	\$.....

Total,

~~9885.00~~
 9361.57

Estimate expense, including,

Attorney Fees	\$.....
Recording and releasing,	\$.....
Legal Printing,	\$.....
Superintendent of Construction	\$.....
Court expenses etc.,	\$.....
Contingency fund,	\$.....

Total,

~~.....~~
 1716.25

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

<i>Larkin M. Stultz</i>	Drainage Commissioner,	\$ 25.00
<i>Geo. W. Fisher</i>	Viewer,	\$ 25.00
<i>E. Q. Baker</i>	Engineer & Helpers,	\$ 208.75

Total,

~~.....~~
 258.75

Grand Total,

~~11860.00~~
 11,336.57

Tuesday December 6th 1881

14 day of term.

Court met pursuant to adjournment present same officers as on yesterday.

Isaac B. Misso }
 Et al. Drainage } No 4910.
 Petition

Come now the petitioners by their attorneys and comes also the Remonstrants John Carter and Trade P. Carter by their attorneys, and the court being sufficiently advised of the matter of said remonstrances upon the evidence heard, does say and find for the petitioners and in all respects finds against the Remonstrants and now orders, and declares said proposed work established according to the specifications contained in the report of said Commissioners and does in all things approve the assessments reported by them, and directs that said Commissioner Samuel B. Wells construct and make the proposed work according to said specifications and the provisions of said act, and it is further ordered and adjudged by the court that the Remonstrants pay all cost occasioned by said remonstrance, to-wit: at \$ dollars and cents, and it is now ordered that said report and assessment of said Commissioner be spread of record, which report, and assessment is as follows to-wit:

Report of Commissioners
 To the Honorable Judge of the Hamilton Circuit Court.

The undersigned Commissioners of Drainage to whom was referred the petition of pathmen Lecters Samuel Lecters Morney Tho Mc Donald Isaac B Misso Samuel Lecters Margaret Anderson Caroline Barnhizer Lorrinda Smith Stanton Lecters for the drainage of the North East quarter of the South West quarter of Section 13 Township 19 Range 5 east, The East half of the West half of the South West quarter of Section 13 Township 19 Range 5 east, the West half of the West half of the South West quarter of

Tuesday Dec 6 1881 14 day of Nov term
OB 458

Section 13. Township 19. Range 5 east. One acre in the North East corner of section 23. Township 19 Range 5 east. Commencing at the North east corner of said section 23, thence South 20 rods thence West 8 rods, thence North 20 rods thence East 8 rods to the place of beginning - the North half of the North East quarter of the North East quarter of section 23 Township 19 Range 5 east Except a strip of land eight (8) rods wide off of the East end thereof - the South half of the North East quarter of the North East quarter of section 23. Township 19. North range 5 east, - the South East quarter of the North east quarter of section 23 township 19 Range 5. East - the West half of the West half of the North east quarter of section 23. township 19 Range 5 east. the South East quarter of the North West quarter of section 23. Township 19. Range 5 east, the West half of the South East quarter of section 22 Township 19 Range 5 east - the East half of the East half of the South East quarter of section 14, Township 19 North Range 5 east, all in said county, Respectfully report that they have inspected personally all 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 the neighborhood and will benefit three public highways and will be of public utility in the county and that the same can be accomplished at an expense less than the aggregate benefits to the lands to be affected thereby and after causing the necessary surveys and examinations to be made, they determined that the method of drainage of a
* ditch commencing 156 feet South of the North West corner of the North East quarter of the South West quarter of section 13. Township 19 Range 5 East at a stake marked O, thence S. 60° N. 600 feet, thence S 19° N. 1700 feet thence S 31° N. 680 feet. thence S 45½° N. 2740 feet, thence S. 65° N. 1580 feet thence S. 81° N. 1300 feet, thence S. 74° N. 860 feet, thence S. 54½° N. 1400, thence S 59° N. 1580 feet West 350 feet thence N. 80° N. 1150 feet thence N. 74° N. 2050 feet, thence N. 83° N. 1830 feet thence N. 1833 feet and terminates at a stake marked 196, 66 feet South and 543 feet West of the South East corner of the North West quarter of the South West quarter of section 21 Township 19. North Range 5 east in Hamilton County that said ditch at the

Tuesday Dec 6th 1881 14th day of term.

point of commencement should be 3 $\frac{1}{2}$ feet deep and in width one foot in the bottom and 3 feet at the top, and in depth at the top and the bottom at the end of each 100 feet as shown in the following table. Said table containing also the number of cubic yards of earth to be removed from each section of 100 feet along the line of said ditch the estimated cost per cubic yard of removing the same and the estimated cost per section being marked by station along the line of said ditch and numbered consecutively from 0 at commencement to 196 at the terminus of the same. Said table is as follows to wit:

Station	Depth at top	Depth at bottom	Width at top	Width at bottom	Cubic yards	Cost per cubic yard	Total cost	No of feet	Bottom	Width at top	Width at bottom	Cubic yards	Cost per cubic yard	Total cost
0	3.5	1.0	8.0	etc.	etc.			23	3.0	1.0	7.0	50	10	500
1	3.6	1.0	8.2	59	10.	590		24	3.0	1.0	7.0	44	"	440
2	3.6	1.0	8.2	61	"	610		25	3.1	1.0	7.2	46	"	460
3	4.0	1.0	9.0	68	"	680		26	3.2	1.0	7.4	48	"	480
4	4.9	1.0	10.8	90	"	900		27	3.2	1.0	7.4	50	"	500
5	5.2	1.0	11.6	115	"	1150		28	3.6	1.0	8.2	55	"	550
6	5.5	1.0	12.0	126	"	1260		29	3.6	1.0	8.2	61	"	610
7	5.1	1.0	11.2	122	"	1220		30	4.2	1.0	8.4	71	"	710
8	5.4	1.0	11.8	120	"	1200		31	4.3	1.0	9.6	80	"	800
9	4.8	1.0	10.6	115	"	1150		32	3.8	1.0	8.6	75	"	750
10	4.5	1.0	10.0	97	"	970		33	3.8	1.0	8.6	68	"	680
11	4.5	1.0	10.0	92	"	920		34	3.6	1.0	8.2	64	"	640
12	4.7	1.0	10.4	95	"	950		35	3.7	1.0	8.4	62	"	620
13	4.8	1.0	10.6	101	"	1010		36	3.7	1.0	8.4	64	"	640
14	4.8	1.0	10.6	103	"	1030		37	3.7	1.0	8.4	64	"	640
15	5.0	1.0	11.0	107	"	1070		38	3.5	1.0	8.0	61	"	610
16	4.8	1.0	10.6	107	"	1070		39	3.6	1.0	8.2	59	"	590
17	5.0	1.0	11.0	107	"	1070		40	3.8	1.0	8.6	64	"	640
18	4.6	1.0	10.2	103	"	1030		41	4.2	1.0	9.4	74	"	740
19	4.2	1.0	9.4	88	"	880		42	4.2	1.0	9.4	80	"	800
20	4.0	1.0	9.0	77	"	770		43	4.3	1.0	9.6	82	"	820
21	3.7	1.0	8.2	70	"	700		44	4.1	1.0	9.2	80	"	800
22	3.4	1.0	7.8	59	"	590		45	3.9	1.0	8.8	74	"	740

Tuesday Dec 6 1881 14 day

all of which is respectfully submitted.

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

State of Indiana Hamilton County S.S.

We the undersigned Commissioners swear that we have each personally examined each tract of land assessed for benefits and damages and the whole route of the proposed work and that such drain is of sufficient capacity to convey without overflowing all the water which flows or should flow along 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 as we verily believe

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

Subscribed and sworn to by said commissioners this 26th day of September 1881 before me.
J R Christian Clk. Ham. Cir. Court.

Joseph Setters et al
vs

John P Fouch

No 4822

Comes now the defendant by his attorney and files a demurrer to the 2, 3 4 & 5 paragraph of answer herein which is in the words and figures following (then insert)

Read and signed in open court & adjourned until 8 1/2 o'clock tomorrow morning.
W B Brady