

Drain: JR MEICINZIE Drain #: 146
 Improvement/Arm: _____
 Operator: J. LIVINGSTON Date: 3-23-04
 Drain Classification: Urban/Rural Year Installed: 1892

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

Jwf
sem / Jwf

sem / Jwf

Jwf

Jwf
Jwf
Jwf

Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: JR MCKENZIE

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
1892	TILE	10"	1400'	1400'	3.00/lf	4200.00
		12"	700'	700'	4.00/lf	2800.00
		1x8" 1x12"	700'	700'	2.00/lf 4.00/lf	4200.00
		1x10" 1x12"	1450'	1450'	3.00/lf 4.00/lf	10,150.00
	1918		24"	4290'	4290'	11.00/lf
1892	OPEN DITCH	—	19300'	19300'	19.50/lf	379,315.00
1892	TILE - ARM 1	12"	3401'	3401'	4.00/lf	13,604.00
1918		2x12"	115'	115'	4.00/lf	920.00
1892/1918	TILE - ARM 1 OF 1	6"	340'	340'	1.00/lf	340.00
1892	TILE - ARM 2	12"	2500'	2500'	4.00/lf	10,000.00
1918		15"	520'	520'	5.00/lf	2600.00
1892	TILE - ARM 3	8"	600'	600'	2.00/lf	1200.00
1892		10"	2270'	2270'	3.00/lf	6810.00
* 1918	TILE - ARM 4	10"	714'	714'	N/A	N/A
	Sum:	15"	2036'	2036'	5.00/lf	10,180.00
			39,622'	39,622'		\$ 491,509.00

Final Report: _____

Comments:

* 714' OF 10" TILE ON UPSTREAM END EXISTS IN BOONE COUNTY. THIS LENGTH IS NOT INCLUDED IN THE TOTAL LENGTH ABOVE; A COST IS A COST CALCULATED OR INCLUDED ABOVE.

38 day Nov Term 1892,

12.10. 1892,

08 24 PG 496

Court met at 8 1/2 o'clock A.M. pursuant to adjournment.

Present the Hon. R. R. Stephenson Judge and all court officers.

Whereupon the Sheriff proclaimed said court open, and the following proceedings were had therein:

John R. McFingie }
 Drain } No 9992.
 Petition

Come now the drainage commissioners and make and file herein their report.

Said report is in the words and figures following 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 John R. McFingie et al for the drainage of Part of the South West quarter of section thirty (30), Township twenty-two north Range three (3) east of the second principal meridian situated in Aquitana and Boone Counties 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 be of public utility and will improve the health of the neighborhood and will benefit 5 public highways. And that said drain can be constructed at an expense less than the aggregate benefits to the lands 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:

x Commencing about 80 rods east 5 rods north of the south west corner section (30) Township twenty-two north range (3) east

Thence North 100 feet	Thence N 20° W	200 feet
" N 40° W 340 feet	" N 20° W	273 feet
" N 63° W 87'	" N 51° W	470 feet

Thence North	630 feet	Thence N 35° E	100 feet
" " 58° East	2400 feet	" N 55° E	200 "
" N 10° "	600 "	" N 3° W	100 "
" N 22° W	200 "	" N 10° W	500 "
" N 31° W	700 "	" N 39° W	240 "
" N - - -	800 "	" East	120 "
" N - - -	240 "	" N 31° W	300 "
" N 70° W	425 "	" N 10° E	625 "
" N 28° E	350 "	" N 60° E	1900 "
" N 63 E	3000 "	" N 45° E	1500 "
" N 70 E	600 "	" E 15° S	1300 "
" N 40 E	350 "	" East	150 "
" N 65° E	600 "	" East	300 "
" N 35° E	300 "	" N 50° E	1100 "
" N 40 E	200 "	" N 7° W	160 "
" N 50° E	240 "	" N 28° E	100 "
" N 54° E	250 "	" North	750 "
" N 35° W	200 "	" N 17° W	700 "
" N 74° W	150 "	" N 30° W	650 "
" North	300 "	" N 40° E	400 "
" N 10° E	300 "	" North	200 "
" N 10° E	1100 "	" N 22° E	200 "
" N 30° E	400 "	" N 55° E	860 "

and terminating in an open ditch a tributary of little Cicero Creek about 100 rods east and 10 rods north of the South West corner of the North West quarter Sec 9 Town 20 Range 3 east.

Also an arm or branch No-1 - Commencing 63 rods South of the North East corner of South East quarter Sec 19 Township 20 Range 3 E.

Thence North 1400 feet Thence N 39° E 400 feet
 " N 26° E 100 " " N 11° E 600 "
 " N 12° E 400 " " N 47° W 600 "
 " North 350 " and terminating in the main ditch near stake 140.

Also another arm or branch commencing about 10 rods East and 7 rods north of the north east corner of South East quarter sec 19 Township 20 - Range 3 Thence N 40° West 300 feet Thence North 115 feet terminating in arm No 1 at or near Stake 15.

38th day Nov Term 1892,

17-20-1892

OB 24 Pg 4

Also another arm or branch - Numbered
 Commencing about 80 rods West and 80 rods North
 of the south east corner of sec 30 Township 20 in Range
 3 east Thence N 19° W 400 feet Thence N 14° W 500 feet
 Thence N 70° W 400 feet Thence West 900 feet
 Thence W 21° N 400 feet Thence N 29° W 150 feet
 Thence N 14° E 350 feet Thence N 25° E 200 feet
 Thence North 115 feet and terminating in main ditch
 at station 48.

Also an other arm or branch Numbered 3
 Commencing about 50 rods West and 15 rods South East
 quarter of sec 30 Township 20 Range 3 east,
 Thence W 26° N 500 feet Thence W 54° N 700 feet
 Thence W 39° N 1400 feet Thence W 55° N 470 "
 Terminating in the main ditch at or near Station 57.

Also another arm or branch Numbered 4
 Commencing about 30 rods east and 40 north of
 the south West corner of the north West quarter
 section 30 Township 20 Range 3 east Thence East
 6° S 700 feet Thence East 20° S 578 Terminating in
 main ditch at or near Stake 43.

Method of Construction,
 Main ditch.

Station 0 to Sta 14	One row ten (10) ^{inches} tile.
" 14 " " 21	" " twelve (12) inch tile.
" 21 " " 28	One row twelve (12) tile One row 8 ^{inches} tile.
" 28 " " 43	one row 12 ^{inches} tile one row 10 tile.
" 43 " " 48	Two rows 12 ^{inches} tile one row 10 tile.
" 48 " " 71+50	2 rows 15 inch tile.
" 71+50 " " 96	open ditch 2 feet wide in bottom.
" 96 " " 203	open ditch 3 feet wide in bottom
" 203 " " 277+60	open ditch 4 feet wide in bottom

Established fall of Main ditch.

Station 0 To Station 8	14/100 fall to each 100 feet
" 8 " " 17	31/100 " " " " "
" 17 " " 28	48/100 " " " " "
" 28 " " 48	18/100 " " " " "
" 48 " " 75	16/100 " " " " "
" 75 " " 98	20/100 " " " " "
" 98 " " 111	15/100 " " " " "

Station 171 To Station 246	10/100	fall to each 100 feet.
" 246 " " 261	13/100	" " " "
" 261 " " 275	23/100	" " " "
" 275 " " 277+60	10/100	" " " "
Catch basin at Station 48.		10.00
Total cost of main ditch		<u>\$4557.25</u>
		4567.25

Arm No 1. With arm to arm J. M. McKungie
 Station 0 to Station 38+50 one row 12 inch tile
 Arm to arm Station 0 To Sta 4+15 one row 6 inch tile.
 Established Fall.
 Station 0 to Station 15 47/100 fall to each 100 feet.
 " 15 " " 25 33/100 " " " "
 " 25 " " 28+50 13/100 " " " "
 Arm to arm Sta 0 To Sta 4+15 55/100 " " " "
 Total cost arm No 1 with \$571.50

Arm No 2. The Paw Arm.
 Station 0 To Station 25 One row 12 inch tile
 " 25 " Station 34+15 One row 12 inch tile one row 8 inch tile.
 Established Fall
 Station 0 To Station 34+15 14/100 fall to each 100 feet.
 Total cost arm No 2. \$470.25

Arm No. 3. The Cox Arm.
 Station 0 To Station 6 one row 8 inch tile.
 " 6 " " 28+70 one row 10 inch tile.
 Established fall.
 Station 0 To Station 38+70 17/100 fall to each 100 feet.
 Total cost arm No 3. 257.55

Arm No 4. or Norman arm.
 Station 0 To Station 12+78 one row 12 inch tile.
 Established fall.
 Station 0 To 12+78 10/100 fall to each 100 feet.
 Total cost arm No 4 147.10

Method of Construction.
 All green timber within one rod of the ditch to be removed all brush and logs to be moved off the line of the ditch.

DIRECTION—Elevate the metal points—attach the manuscript—then bend the points down flat—dampen the gummed flap and stick it down—this fastens the papers and hides the metal.

No 18231

In Re. of the Petition of
W C Pickell et al for the
Repar of the
John R Meigs & Co

Filed Jan 11-1918.

STATE OF INDIANA {
HAMILTON COUNTY } 52

IN HAMILTON CIRCUIT COURT.

In The matter of the petition
of W. O. Pickett
For repair of the
F. R. McKinzie et al Drain.

Report of Drainage Commissioners and Engineer,

To the Honorable Judge of the Hamilton Circuit Court.

We the undersigned Commissioners of Drainage and Engineer, To whom
was referred the above entitled petition for Drainage of certain lands
in Adams Township, Hamilton County, Indiana. Also lands in Boone Cou-
nty, Indiana.

Would respectfully report that we met on the line of said proposed
Drain on the (7)th day of Nov, 1917. Qualified and proceeded to view
and lay out said Drain and to view the lands effected thereby.

That we further report that said proposed Drain is practicable, that
the same when completed will improve the public health, and will re-
claim certain lands, and will be of public utility, and will benefit
several highways, also that the cost of construction and repairs
damages and expense of effecting said Drain will be less than the
benefits to the lands effected by said Drainage.

That we have definitely determined the best and cheapest method
affecting Drainage of said lands, we have fixed the route, location,
and character of said proposed work and fixed the same by meters and
bounds, courses, distances, descriptions, and guides, and bench marks,
including Arms and branches so as to provide for a complete out let
for the Drainage of said lands effected by said proposed work; That
we have divided the Ditch and branches into sections of not more
than 100 Feet, in length by setting stakes at each 100 Feet.

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We are of the opinion that the best method for securing an outlet for and the Drainage of said lands, to be effected, by the above named repair, is to begin at Station 42⁺⁵⁰ of the main Ditch, and to reconstruct said main Ditch from thence to Station 85 + 40, of said main Ditch,

Further, we deem it necessary in order to drain certain lands affected that Arm No 4. or Norman Branch of said J.R. McKinzie drain be reconstructed for its entire length, and same be extended to a point 570 ft west of the Southeast of the Northeast quarter of section 35 Township 20 north, range 2 east, of the Second Principal Meridian, and from its intersection with the main ditch to Station 42+50 of said main ditch. All of the above repair and reconstruction to be done in accordance with the specifications herein after written, and the plans and profiles hereto attached.

Said Main Ditch to be repaired by carefully removing all tile now in said drain, then setting the ditch to the depths indicated on the tabulated sheet of this report and to a sufficient width for removing the Old tile in the proper manner, and to receive the New tile at the proper grades.

re

Said repair or construction of said portion of the Main Ditch shall consist of

- From Station 42+50 to Station 85+40 One row of 24 inch, Drain Tile,
- From Station — to Station — One row of — inch, Drain Tile.
- From Station — to Station — One row of — Inch, Drain Tile.

Also the construction of Concrete retaining wall at Station 85 Plus 40, ~~and the repair of the Catch Basin Now at Station 46 plus 90,~~
removing old Catch Basin at Station 46+90 and constructing New Catch basin at Sta. 42+50
and the connecting of Arm No.3 at or near Station 56. Also the
connecting of Hutchman Arm at Station 71 Main Ditch

3

Arm No 2, shall be repaired by Beginning at Station 25 on said Arm and constructing said Arm, New from said point, to Station 42 plus 50 of Main Ditch. And entering said Main Ditch in the New Catch Basin. Said New portion to be supplied with 15 inch tile. said tile to be of the best taken from the lower portion of the Main Ditch. The New Construction shall follow the line of the old Drain to Station 27 plus 50 then continue in a Northwesterly direction to its point of intersection with Main Ditch, The tile now in said drain from Station 25 to the point where the New construction leaves the Old shall be removed in a manner to destroy the least possible number, and shall be neatly piled along the margin of the fields.

That portion of said Arm No 2 below Station 27 plus 50 to be left intact and shall be connected to the Main ditch by means of Y connections, and where the tile are disconnected at or near Station 27 plus 50 the ends shall be sealed so as to prevent the washing in of dirt.

Arm No 4, shall be reconstructed as above specified and shall consist of 1 row of 10 inch tile from Station 0 to Station 7 plus 14 and 1 row of 15 inch tile from Station 7 plus 14 to Station 27 plus 50 or to Station 42 plus 50 Main Ditch and there to have its outlet in the Catch Basin to be built on Main Ditch.

Said Arm to have one 3 feet diameter Catch Basin at Station 2 plus 14 Dushman Arm to consist of 1 row of 10 inch tile from Station 0 to Station 2 plus 55 and be connected to Main Ditch by means of Y connection at Station 71 on Main Ditch.

Concrete Work.

The concrete for all the concrete work to be done under these specifications shall be a mixture of One part Portland Cement to Five parts good clean sharp sand and gravel, the sand and gravel to be of a grade approved by the engineer. Each batch of concrete shall be mixed thoroughly while dry until it presents an even shade of coloring throughout, then continuing the mixing water sufficient shall be added to make a moderately wet mortar. Unyielding forms shall be built for the purpose of moulding the concrete into shape. The mortar to be placed in the forms while still in a wet condition and spaded so as to make a homogeneous construction, and as soon as the concrete has set sufficiently to bear its own weight said forms shall be removed and any defects in said construction shall be immediately repaired.

The concrete work for said work consists of

Retaining Wall 22 feet long 7 feet high 1 foot thick with apron 18 feet wide 18 feet long and 1 foot thick.

5 Catch basins 3 feet diameter and

1 " " 4 " "

Said Catch basin to be covered with grates Iron covers of the Elwood pattern or its equal. Said Rings & covers to be firmly set in the concrete.

J.R. McKinnie, Main Ditch.

Profile or Tabulated sheet.

Sta.	HubCut.	MudCut.	Cu. Yds.
42	4.45		
43	5.05		53
44	4.75		54
45	4.75		53
46	4.75		53
47	4.23		49
48	5.53		54
49	5.48		61
50	5.53		61
51	5.48		61
52	5.51		61
53	5.46		61
54	5.51		61
55	5.36		60
56	4.71		54
57	4.56		51
58	4.71		51
59	5.21		55
60	4.69		55
61	4.89		54
62	4.84		54
63	4.79		54
64	5.19		55
65	4.79		55
66	4.99		54
67	4.89		55
68	4.36		51
69	5.56		55
70	5.71		53
71	5.76	.50	55
	End of old Tile.		
72	5.77	.32	5
73	6.63	.23	3
74	6.24	.04	2
75	6.50	.45	3
76	5.76	.46	5
77	5.37	.35	5
78	4.49	.29	5
79	7.34	.59	5
80	6.36	.36	5
81	6.49	.32	4
82	3.28	.53	5
83	4.79	.46	7
84	5.07	.47	6
85	2.68	.18	6
85	+40	4.27	.00

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J.R. McKinzie Ditch Arm No. 4.

Profile or Tabulated sheet.

Sta.	HubCut.	Cu. Yds.
0	3.50	
1	4.05	28
2	4.70	32
3	5.04	35
4	6.00	41
5	5.20	42
6	5.60	40
7	5.20	40
8	4.20	35
9	4.45	32
10	3.93	31
11	4.03	29
12	3.68	29
13	3.87	29
14	3.98	29
15	3.83	29
16	3.73	28
17	3.88	28
18	3.93	29
19	4.08	30
20	4.08	30
21	4.13	30
22	4.23	31
23	4.43	32
24	4.68	34
25	4.98	36
26	4.88	37
27	4.45	35

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Arm No 42

Sta	HubCut,	Cu yds
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		

Total 333.

5

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

The ditch to be dug along one side of the line of survey stakes, and sufficient distance from it, to not disturb the stakes, and shall be cut in a straight, and neat manner, In taking out the last draft, the blade of the spade must not go deeper than the grade line.

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

in New cuts.

And where said drain is in an open channel the filling shall be to a depth of not less than Two feet above the top of the tile, for the full width of said open channel, In no case must the tile be covered with sand with out other material being first used and in no case will boulders or heavy rock be allowed in the filling, that may in time come in contact with the tile, The ditch contractor must assume all risks from stones and saving-in of 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 unlooked for trouble in digging the ditch or properly laying the tile, to complete the work at the term 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 precaution to secure his work from injury while he is constructing the drain. All tile and other materials used in the construction of this drain and the 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 authority to lay out and direct the work, and to inspect and supervise the same during the construction, and on completion to see that it is properly done in accordance with the specifications and contract, and his instructions shall be fully carried out.

SPECIAL:

In review of the fact that the several persons whose lands are assessed for this repair, were originally assessed for the construction said John R. McKinzie Drain; therefore have an interest in, tile now in the different portions of said Drain to be removed, And that in order that each shall receive his proper Credit, we hereby recommend that the Superintendent require that the Contractor shall remove the tile with the most possible Care, and pile them up neatly, along the fence line margin near the Ditch, Also that said Superintendent be authorized to sell said tile to the Contractor or to the highest bidder, and the proceeds be placed in the Ditch Fund for said Drain, and be distributed among the persons assessed in accordance with the interest each have therein. That all of said persons who were originally assessed for the tile Construction of said Drain have an interest in said tile in that portion from Stake, 57 to Stake, 71 of Main Ditch.

to pile

That all those whose lands Drain into said Ditch above Stake 57 have an interest in said tile, In that portion from Stake 47 to Stake 57 on said Main Ditch, That all those whose lands are assessed for the construction of Arm No 2, have an additional interest in all the tile to be removed from Arm No 2, That all those whose lands are assessed for the Construction of Arm No 4, have all interest in all the tile removed from said Arm No 4. and also ~~xxxxxxx~~all interest in 1 row of 12 inch tile, Main Ditch, to be removed from where said Arm No 4 enters the Main Ditch, to Station 47 of said Main Ditch.

That all those whose lands are assessed for said construction, and whose lands drain into said Main Ditch above Station 47 of said Main Ditch have all interest in 1 row of 12 inch tile and 1 row of 18 inch,

Tile to be removed from said Main Ditch above Stake 47 of said Main Ditch.

Also that said Superintendent be authorized to employ an assistant whose duty it shall be to see that said tile are properly removed and taken care of and to keep a memorandum of the number of good tile removed and to keep such memorandum in such manner that the proper credits may be calculated therefrom.

NAMES	DESCRIPTION OF LANDS	Section	Township	Range	ACRES ASSESSED		ACRES BENEFITED		AMOUNT OF ASSESSMENT		TOTALS	
					Acres	Hun.	Acres	Hun.	\$	Cts.	\$	Cts.
Lydia Swofford	Pt N2 N.E. N.W.	31	203					15		53.85		53.85
	Pt N.W. N.W.	31	203									
Wm Singleton	Pt N.W. N.W.	31	203					5		23.60		23.60
Maria Ford	Pt S. S.W. S.W.	30	203					10		47.20		47.20
Eda R. Swofford	Pt S. S.W. S.W.	30	203									
Francis I Singleton	Pt S.E. S.E.	25	202					14		66.93		66.93
John L. Timonone	Pt W. S.E. S.E. & Pt SW. N.E.											
								3		13.86		
do	Pt E2 SW. S.E. & Pt S.E.											
	N.W. S.E.							3		13.86		27.72
T. S. Singleton	Pt E2 N.W. S.E.	25	202					9		91.08		
do.	Pt N S.E. S.E.	25	202					10		41.20		
do.	Pt N.E. S.E.	25	202					39		288.78		421.06
W. O. Pickert	Pt W2 W2	30	203					15		71.80		71.80
J. P. Fouch	Pt SW 1/4	30	203					24	31	114.56		114.56
John C. Neill	Pt S.E. SW.	30	203					5		17.95		17.95
Myra Emery	Pt S.E. SW.	30	203					5		17.95		17.95
Corrella D. Hiatt	Pt S.E. S.E. SW.	30	203					2	12	7.55		7.55
Geo O. Wallace	Pt SW	30	203					57		331.05		331.05
Olora Vickery	Pt W2 N.E.	31	203					5		10.80		10.80
Geo W. King	Pt N.E. N.E.	31	203									
G. O. Spencer	Pt S.E. S.E. N.E.	31	203									

NAMES	DESCRIPTION OF LANDS	Section	Township	Range	ACRES ASSESSED		ACRES BENEFITED		AMOUNT OF ASSESSMENT		TOTALS	
					Acres	Hun.	Acres	Hun.	\$	Cts.	\$	Cts.
Jane Wilson	PT NE NE NE 31 203											
C. J. Cooper	PT N 1/2 NE NE 31 203											
Elwood Griffith	PT E 2 NW. NE. 31 203						6		15.36			
	PT NW. NW. NE. 31 203						4.30		11.00			
	E 2 E 2 W 2 SE. 30 203						20		122.40			
	30 A. off. W side. E 2. SE. 30 203						30		173.60	322.36		
Jane McKinzie	PT E 2. E 2. E 2. SW. 30 203						18		105.66			
	30 A. off. W side. NW. SE. 30 203						30		214.50			
	PT W 3/4 SW. SE. 30 203						24.75		112.95	433.11		
Jane R. Cox	E 1/4 SE. SE. 30 203						25		102.25			
	E 1/4 NE. SE. 30 203						23		118.06	220.31		
Edith M. Hare	PT W 2 SW. 29 203						10		30.90	30.90		
C. B. Miller	PT N 2 NW. SW. 29 203						10		30.90	30.90		
Frank Colby	S 1/4 SE. NE. 30 203						10		51.50			
	PT NE. NE. SE. 30 203						2		6.18			
	PT SW. SW. NW. 29 203						2		4.12	61.80		
Ella B. Wilson	N 3/4 SE. NE. 30 203						30		123.60	123.60		
Mary E. Linton	E 3/4 SW. NE. 30 203						30		174.50	174.50		
W. E. Wilson	W 1/4 SW. NE. 30 203						10		71.80			
	E 2 SE. NW. 30 203						20		148.60	220.40		
Robert Foreman	20 A. off. N end. 140 A.											
	off W side SW. 30 203						20		118.00			
	SW. NW. 30 203						40		486.00			
	W 2 SE. NW. 30 203						20		187.00	791.00		

No.	NAMES	DESCRIPTION OF LANDS	Section	Township	Range	ACRES ASSESSED		ACRES BENEFITED		AMOUNT OF ASSESSMENT		TOTALS	
						Acres	Hun.	Acres	Hun.	\$	Cts.	\$	Cts.
	Henry Spencer, Est.	SE	NE	25	202			40		524.80			
		PT SE. NE.	NE	25	202			5		45.60			
		PT W2 NW.	NW	30	203			10		91.20			
		PT SW.	SW	19	203			15		92.70			754.30
	James Douglass & Son	PT SE.	SW	19	203			35		442.90			
		PT W2 SW.	NE	19	203			5		30.90			473.80
	John H. Duckman	E2 NW.	NW	30	203			20		82.40			
		NE.	NW	30	203			40		247.20			329.60
	Joyce & A Weaver	NW.	NE	30	203			34		175.10			175.10
	Jemie D. Haughey	PT NE.	NE	30	203			26		107.12			107.12
	Crown View Cemetery	PT SW.	SE	30	203			5	25	20.60			20.60
		PT NW.	NE	31	203			6	35				
	Adams Township	Benefit To Public Highways								15.45			
	Hamilton Co.	1-N & S. E Line.		30	203					36.05			
		1-E & W. Cent. N2.		30	203					30.90			
		Lafayette Road Thro		30	203					30.90			113.30
		Co. Little White											
	Marion D.P.	Benefit to public Highways								2575			
	Boone Co.	1- Thro E2		25	202					2060			46.35
	Chicago Indpls. & Louisville R.R. Co.	Benefits To Right-of-Way											
		Thro Sec		30	203								
		" "		25	203					12875			12875

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

Main Ditch	\$ 361810
Arm No 2,	36963
Arm No 4,	96700
Duckman Arm	3485
Total	498966

Estimated Expenses, including,

Attorneys Fee	
Recording & releasing	
Legal Printing	
Superintending Construction	
Court Expenses &	
Contingency fund	
Total	627.76

We claim for services, Expenses & Milage, to date for,

Clark Coffin, Drainage Commissioner	\$ 20.00
A.W.L. Newsomer, Viswar	20.00
J.F.Shannon, Engineer & helpers	112.40
	\$ 152.40
<i>Total</i>	<i>\$ 5,769.82</i>

STATE OF INDIANA
ES
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 and route of the proposed Ditch, that the assessments herein made and reported are correct, Just and equitable to all parties therein named as interested, that no other lands will be benefited or injured by said proposed Drain; that the above and foregoing report is true in substance and in fact as we verily believe.

Chas. J. ...
.....

Wm. W. ...
.....
VIEWERS.

J. C. ...
.....
ENGINEER.

Subscribed and sworn to before me this day of 191 .

.....
CLERK.

copy.
Repair of
Retaining Wall
of J R McKinzie
Ditch

SPECIFICATIONS FOR THE REPAIR OF
THE RETAINING WALL OF THE J.R. MCKINZIE DRAIN.

Said wall to be repaired by constructing an extension to the wall that is now in place, in accordance with the plans attached hereto, and the specifications herein after written, and also of the lowering of the top of the wall in place to correspond with the height of the new wall, The east end of the old wall being left the same height as it now is for a distance of about 5 or 6 feet from the outer end, or to a point directly over the header on the apron, and the new wall being sloped from the ~~the~~ elevation of the ground at its outer end to a point about 5 foot in. and to the level of the over flow portion of the wall, as shown.

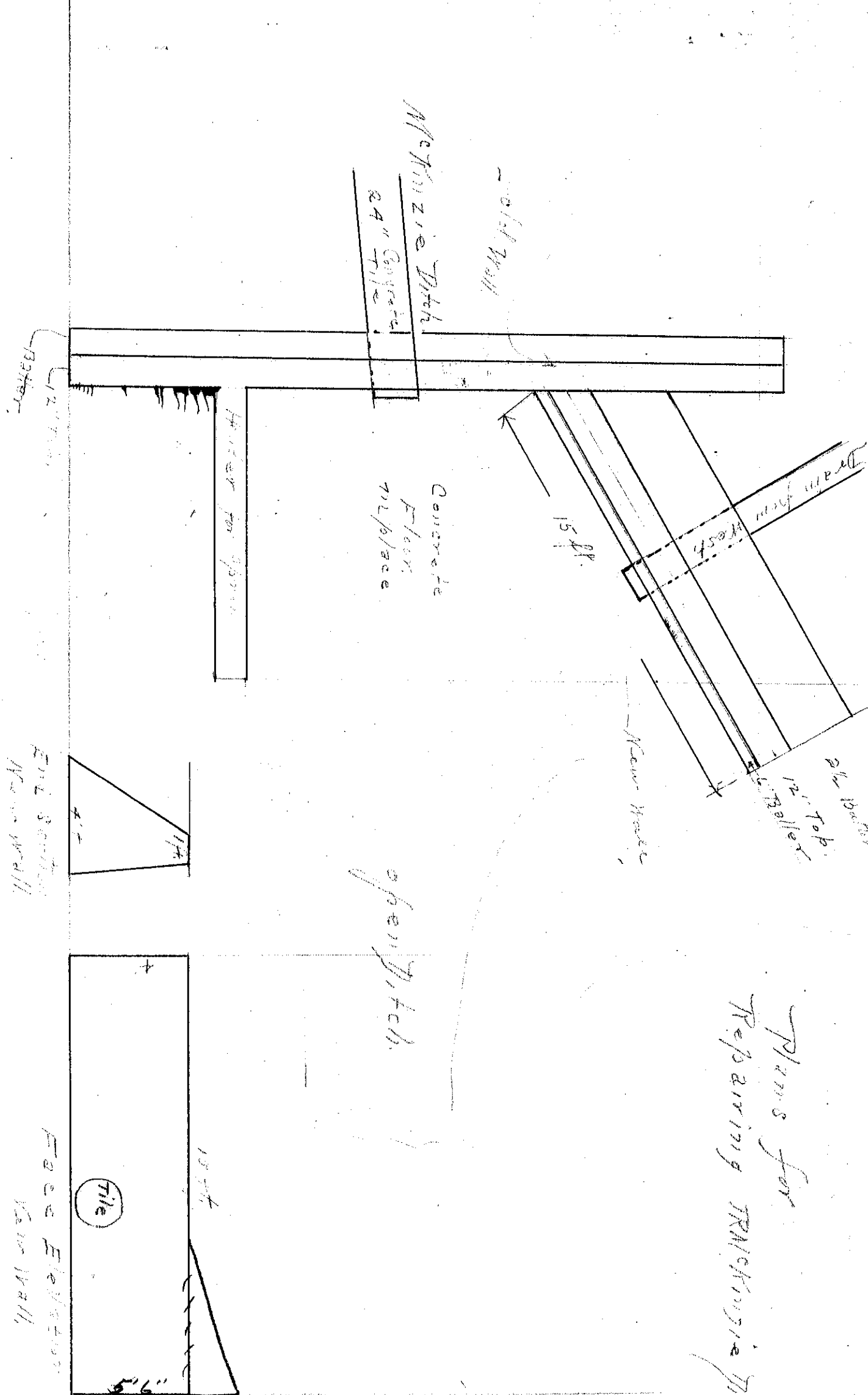
Said wall to be built from concrete, the mixture of which will be, one part portland cement to four parts sand and gravel ~~in~~ of the proper proportion, said cement and sand and gravel to be mixed dry until it presents an even shade of coloring throughout, and every particle of sand and gravel is coated with the cement over their entire surface. After this treatment is completed the mixture shall be made into a wet mortar and immediately be placed into the forms, for same and spaded to bring the fine particles to the surface and when at the proper texture the forms shall be removed and the work troweled to a true even surface, Any defects that appear in the work upon the removal of the forms shall be immediately corrected.

The work of making this repair will include all labor, apparatus, excavation and drainage, utensils and cartage of every description needful for the proper performance of the several portions of the work, and all the materials necessary to finish the work complete, to the satisfaction of the Superintendent in charge.

5/3-1919.


.....
Engineer

Location



Plans for Repairing McKinzie Ditch