EDMOND M. OSBORN DRAIN Section 35 Township 19 Range 3E Washington Township

Begin 440 feet South and 15 feet West of the NorthWest corner of the SouthWest quarter of Section 35-19-3East, run thence South 69 degrees East to Stake 3+30, thence South 28 degrees East to stake 4+30 , thence South to stake 7+70, thence South 57 degrees 30 feet East to stake 10, thence South 44 degrees 30 feet East to stake 11+40, thence South 21 degrees to 30 feet East to stake 14, thence South 35 degrees East to stake 19+68, thence South 11 degrees West, to stake 23+30, thence South 14 degrees East to stake 27+30 thence South 6 degrees East to stake 34+40, thence South 2 degrees East to stake 43+30 thence South 50 degrees 30 feet East to stake 52, thence South 43degrees 30 feet to stake 54, thence South 50 degrees 30 feet East to stake 56, thence South 61 degrees East to stake 60, thence South 60 degrees 45 feet East to stake 64+30, thence East to stake 65, thence North 70 degrees East to stake 66, thence North 44 degrees East to stake 76+40, thence North 4 degrees East to stake 84, thence North 43 degrees East to stake 88, thence North 30 degrees East to stake 90, thence terminates in a drain now located at said point in the NorthEast quarter of Section 2-18-3East and plus four (4) arms.

12,097 feet of tile Cause # 19141 Cause # 19672

I. B page 65
O.B. 74 page 333,365
O.B. 69 page 249,354,372,429,478,558,575

6/18/1920 Petiton
7/31/1920 Proof of Service
10/18/1920 Petition
3/16/1921 Petition
1/17/1921 Remonstrance

1/7/1921 desc., bid, repair ???????
8/2/1924 ordered constructed.

STATE OF INDIANA)
HAMILTON COUNTY)

IN HAMILTON Circuit COURT.

IN THE MATTER OF PETITION
OF Edmund M. Osborne et. al.
FOR DRAINAGE

Report of Drainage Commissioners and Engineer.

To the honorable Judge of Hamilton County.

We the undersigned Commissioners of Drainage and the Engineer, to whom, the above entitled for drainage of certain lands, in Washington, Township, Hamilton County, Indiana, was referred; We would respectfully report that we met on the line of said proposed Construction repair of said Edmund M. Osborn et al, Drain, on the 18th day of Oct. 1920, qualified and proceeded to view said drain and lands effected thereby.

After a careful investigation of the conditions of said drain we are of the opinion that said drain should be repaired, and in a 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 construction and repair of, damages and expense of effecting said drain will be less than the benefits to the lands effected by said drainage.

That we have definately determined the best and cheapest method of effecting the drainage of such lands, we have fixed the route, location, and character of said proposed work and have fixed the same by metes and bounds, courses, distances, descriptions and guides, and bench marks, including arms and branches so as to provide for a sufficient outlets 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.

LOCATION.

Main Ditch.

Begin 440 feet South and 15 feet West of the Northwest corner of the Southwest quarter of Section 35, 19 North, Range 3 East, Run thence South 69° East to Stake 3 + 30, Thence South 28° East to stake 4 + 30, Thence South to stake 7 +70, Thence South 57° 30' East to Stake 10, Thence South 44° 30' East to Stake 11 + 40, Thence South 21° 30' East to Stake 14, Thence South 35° East to Stake 19 + 68, Thence South 11° West, to Stake 23 + 30, Thence South 14° East to Stake 27 + 30, Thence South 6° East to Stake 34 + 40, Thence South 18° East to Stake 36 + 30, Thence South 7° East to Stake 40 + 30, Thence South 2° East to Stake 43 + 30, Thence South 50° 30' East to Stake 52, Thence South 43° 30' East to Stake 54, Thence South 50° 30' East to Stake 56, Thence South 61° East to Stake 60, Thence South 60° 45' East to Stake 64 + 30, Thence East to Stake 65, Thence North 70° East to Stake 66, Thence North 44° East to Stake 76+40 Thence N. 4° E to Stake 84; Thence N 43° E to Stake 88, Thence N 30° E to Stake 90 ~~76 + 40~~, Then terminate in to a Drain now located at said point, in northeast quarter, Section 2, 18 North, Range 3 East.

Arm No 1.

Begin 320 feet North and 16 Feet East of the Southeast corner of the Northhalf of the Southwest quarter of Section 35, 19 North, Range 3 East, Run thence North 85° East to Stake 3 + 25, and enter Main Ditch at Stake 7 + 70.

Arm No 2

Begin 10 feet West of the Northeast Corner, of the Southwest of Southwest quarter of Section 35, 19 North, Range 3 East, Run South 21° East to Stake 1 + 65, Thence South 26° West to Stake 5, Thence South 48° West to Stake 7 + 57 and enter Main Ditch at Stake 19 + 68.

Arm No 3.

Begin 470 feet East and 20 feet North of the Southwest Corner of Section 35, 19 North, Range 3 East, Run thence East 545 feet, and enter Main Ditch at Stake 26 + 70.

Arm No 4.

Begin 157 feet North and 660 feet East of the Southwest corner of the Northwest quarter of Section 2, 18 North, Range 3 East, Run North 80° East to Stake 3, Thence South 74° East to Stake 4, Thence South 60° East to Stake 6 + 70, Thence East to Stake 14, and enter Main Ditch at Stake 56 + 7.

The work will be staked out by the Engineer and his stakes must be carefully preserved and followed. The digging o 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 them to not disturb them, and shall be cut in a straight and neat manner. In taking out the last draft the blade of the spade shall not go deep er than the grade line. The ditch must be dug accurately and true to depth 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 close ly as practible and in a line free from irregular crooks, the piece being turned about until the upper closes, unless there is sand or fine silt which is likely to run into the tile, in which case the lower edge must be laid close and the upper side covered with clay or other material. When making turns or by other unavoidable reasons a crack of one fourth inch or more is necessarily left, it must be covered pi pieces of tile or by other indestructible material. Junctions with branch lines must be carefully and securely made. After the tile h have been laid and inspected by the Engineer or his representitive, They must be covered with the earth excavated from the trench, or or borrowed clay or soil, where said trenchdoes 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 material being first used and in no case will boulders or heavy rock 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 recieved 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 ditch at the time specified inthe contract, the time may be extended as may be mutually agreed upon by the Engineer and the Contractor. The contractor shall use all necessary precaution to secure his work from injury while he is constructing the drain.All tile or other material used in the construction of this drain and its tributaries thereto included inthese specifications 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 and supervise the same during the construction and completion, to see that it is properly done in accordance with the specifications and contract, and his instructions shall be fully carried out.

CONCRETE WORK.

Unless otherwise specified all concrete work included in these specifications shall be 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.

Said Main Ditch to consist of;

One row of 8" tile from Sta 0 to Sta 7+70.

One row of 10" tile from Sta 7+70 to Sta 19+70.

One row of 12" tile from Sta 19+70 to Sta 43+30.

One row of 14" tile from Sta 43+30 to Sta 56.

One row of 16" tile from Sta 56 to Sta 71+34.

One row of 15" tile from Sta 71+34 to Sta 90.

Also a Catch Basin at Station 26+70.
and a Manhole at Station 71+34.

One 10" X 8" Wye Branch at Station 7+70.

One 12" X 8" Wye Branch at Station 19+70.

One 14" X 10" Wye Branch at Station 43+30.

One 15" X 12" Wye Branch at Station 72.

Arm No 1 to consist of;
one row of 8" tile from Station 0 to Station 3+25.

Arm No 2 to Consist of;
One row of 8" tile from Station 0 to Station 7+57.

Arm No 3 to consist of;
One row of 8" tile from Station 0 to Station 5+45.

Arm No 4 to consist of;
One row of 10" tile from Station 0 to Station 14.

Special Note; At Station 43+30 a drain enters said Main ditch, which shall be connected to said Main ditch by means of a Wye Specified for said Station, 8 feet of 10" drain tile, and excavating sufficient trench to connect the grades, the covering in proper manner.

Also a drain that enters at or near Station 72 shall be connected to the Main Ditch by means of the Wye Specified for same.

Arms No 1,2, & 4, mentioned above to be connected to the Main Ditch by means of the Wye's Specified for the Station at which they enter Arm 3 to connect into Catch Basin at 26+70

From Station 71 + 34 to Station 90 said Drain is on the lands of the Westfield Stock Farm Co.

From Station 71+34 to Station 90, said Drain is located on the lands of the Westfield Stock Farm Co, Who have now a drainage consisting of One row of 12 inch tile from 71+34 to 90, And a 15 inch tile Drain extending from Station 90 in a Northeasterly direction for a distance of 953 feet, and terminating in what is known as the Anna Kendall Drain,

They also have a 12 inch tile Drain, begining at Station 76+40 of the proposed Drain and leaving the line of this Drain extending in a general Northeasterly direction for a distance of 1784 feet; then extending North, with a 15 inch tile Drain, a distance of 492 feet, and entering said Anna Kendall Drain,

It is the opinion of the Engineer and Viewers that by a readjustment in a proper manner of said Drain already in place,namely, connecting the upper 506 feet of the first named Drain to the head of the Second named Drain at Station 76+40 then removing the the remainder of the 12 inch tile from the first named Drain,from Station 76+40 to Station 90, and replacing same with 15 inch tile, and constructing a 15 inch tile Drain from Station 71+34 to Sta 76+40 and entering the last above named 15 inch tile, then connecting the two Drains thus formed and the 16 inch tile portion of the proposed or Osborne Drain, by means of a concrete connecting Box at Station 71+34 that said Drain would be of sufficient capacity to properly drain the lands to be assessed as benefited by said Edmund M, Osborne,Drain

Having obtained the consent from the said Stock Farm Co, to make such change, and use said private Drain as an outlet for said proposed Osborne Drain, without Cost to said Stock Farm Co, We herein specify said change as outlined above as a part of said Osborne Drain and make it a part of our report in this matter.

The 12 Inch tile removed, to be a part of the Ditch fund and to be used by the Contractor in the upper portion of said Drain at the list Price of tile at the time said Drain is Sold.

We are of the opinion that as said ditch crosses the right of way of the Central Indiana Railroad Company and that said railroad company has been assessed in the sum of $125.00, asbenefits to its right of way; that if said railroad company desires to make different construction than that provideds for in the specifications for that portion of the ditch lying within its right of way; then and in that case the said railroad company shall have the privilege of putting in whatever construction it desires, equal to or superior to the construction provided for in these specifications, said company to place said construction across its right of way at its own expense; but should said railroad company avail its self of the privilege of putting in said construction, and does so to the satisfaction of the Engineer in charge of the work, then and in that case said railroad company shall have credit on its assessment as herein fixed to the amount of $ 35.00, the same being the estimated cost of Construction of the Drain across saod right of way.

Main Ditch. Profile of Edmund M. Osborn Drain.

Sta.	HubCut.	MudCut.	Cu.Yd.
0	3.02		
1	3.42		18
2	3.67		20
3	3.32		19
3+30	3.88		
4	3.87		21
4+30	3.76		
5	3.77		21
6	3.29		20
7	3.81		20
7+70	3.49		
8	3.58		21
9	3.58		20
10	4.08		21
11	3.98		22
12	4.35		23
13	3.51		22
14	3.27		19
15	3.41		19
16	3.36		19
17	3.66		19
18	3.59		20
19	3.86		21
19+68	3.60		
20	3.80		24
21	4.56		27
22	4.21		28
23	3.28		24
23+30			
24	3.40		22
25	4.23		25
26	3.93		27
26+70	4.18		
27	5.29		31
27+30	5.84	1.34	9
28	5.54	1.49	11
29	5.84	1.49	11
30	6.65	1.44	11
31	6.49	1.59	11
32	5.19	1.79	13
33	4.89	1.69	13
34	5.37	2.09	14
35	4.09		
35+76	7.20		32
36	3.49	1.69	40
			19
37	5.39	1.04	10
38	4.24	1.74	10
39	4.54	1.79	13
40	3.94	1.94	14
41	4.03	1.89	14
42	4.04	2.14	15
43	3.99	1.94	15
43+30			
44	4.39	1.39	12
45	4.19	1.49	11
46	3.94	1.34	11
47	4.69	1.49	11
48	4.22	1.67	12
49	4.97	1.47	12
50	5.37	1.82	12
51	4.92	1.67	13
52	5.72	1.72	13
53	5.47	1.77	13
54	5.77	1.72	13
55	6.27	1.77	13
56	5.12	1.57	12
56+7	4.91		
57	5.10	1.60	12
58	5.03	1.80	13
59	5.30	1.90	14
60	5.17	1.45	12
61	5.09	1.90	12
62	5.00	1.90	14
63	5.53	2.20	15
64	5.80	2.60	18
65	4.83		38
66	4.51		35
67	4.65		34
68	4.29		33
69	3.83		30
70	4.22		30
71	4.06		31
72	4.28		31
73	3.88		30
74	3.80		29
75	3.85		28
76	3.63		27
76+40	3.62		12
77	3.99		14
78	4.43		31
79	4.37		33
80	4.66		33
81	4.70		35
82	4.74		35
83	4.68		35
84	4.47		34
85	3.56		29
86	3.45		26
87	4.21		28
88	4.31		31
89	5.58		34
90	4.33		35

Profile of Edmund M. Osborne, Drain

Arm No 1.

Sta.	Hub Cut.	MudCut.	CuYd.
0	3.58		
1	3.58		20
2	3.41		19
3	3.05		18
3+25	3.43		5

Arm No 2.

0	3.43		
1	3.48		19
2	3.26		19
3	3.59		19
4	3.91		21
5	3.11		19
6	3.51		19
7	2.99		18
7+57	3.60		11

Arm No 3.

0	3.03		
1	3.88		19
2	4.08		22
3	3.58		21
4	3.43		19
5	3.68		20
5+45	4.10		10

111

Arm No 4.

0	3.22		
1	3.19		18
2	3.69		19
3	2.62		17
4	3.52		17
5	3.65	2.62	15
6	4.58	2.88	15
7	3.41	2.88	16
8	4.48	2.48	15
9	4.05	2.48	14
10	3.98	2.58	14
11	4.55	2.65	14
12	3.72	2.92	16
13	4.41	2.54	15
14	4.06	1.06	10

71 ,
Hub 389

14 4 hub 215

Estimated cost of Construction Including, of all Arms, and Ditches referred to in these Specifications, All Material, Labor, Hauling, etc. ,

Necessary for completion of work in

accordance with plans and specifications;

Main Ditch	Station	0	to	90	5218.40
Arm No 1	Station	0	to	3+25	131.00
Arm No 2	Station	0	to	7+57	229.32
Arm No 3	"	0	"	5+45	171.05
Arm No 4	Station	0	to	14	460.80
				Total	$ 6211.57

Estimated Expenses, Including,

Attorneys Fee .....

Recording and Releasing,.....

Legal Printing,.....

Superintendent of Construction,.....

Court Expenses etc.,.....

Contingency fund,.....

Total 623.17

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

Silas H. Vance	Drainage Commissioner,	24.00
W. C. Inman	Viewer,	24.00
J. L. Lamar	Engineer and Helpers,	73.74
	Total	121.74

Grand Total, $ 6956.48

Edmund M. Osborne

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.
Stella H Clark	SE SW	35	19	3	40		12				248	00		
Do.	SW SW	35	19	3	40		40				853	84	1101	84
Payton Cox	N.E. SW	35	19	3	40		3				70	00	70	00
Edmund M. Osborne	NW SW	35	19	3	40		36				795	00		
Do.	SW SW NW	35	19	3	40		1				10	00	805	00
Lillis Leopard	S½ SE NE	34	19	3	20		10				80	00	80	00
J.M. Thompson & Wife	NE SE	34	19	3	40		20				261	72	261	72
E.E. Stanbrough	¼ SE SE	34	19	3	27		12				163	57		
Do.	NE NE	3	19	3	40		35				120	00		
Do.	NW NE	3	19	3	40		5				10	00	293	57
Sam Smith	N.E. SW. NE.	3	18	3	40		4				12	00		
Do.	SE NE	3	18	3	40		38				240	00	252	00
J.W. Carter	38A. W end. N½. NW	2	18	3	38		38				758	00		
Do.	42A. W end. S½. NW. Except 5A. off South Side thereof	2	18	3	37		37				786	00	1545	00
Westfield Stock Farm	SE NW	2	18	3	38		38				607	75		
Do.	SW NE	2	18	3	40		40				600	00		
	Cr for Work Done										600	00		
Do.	SE NE	2	18	3	40		40				600	00		
	Cr for Work Done										600	00		
Do.	NE NW	2	18	3	10		10				150	00		
Do.	N½ NE	2	18	3	60		60.				125	75		
	Cr for Work Done										125	75	707	75
Cyntha Benson	NE SW	2	18	3	30		12				281	50	281	50

NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed A	Acres Assessed Hun	Acres Benefited A	Acres Benefited Hun	Amount of Benefits $	Amount of Benefits Cts.	Am't of Assessment $	Am't of Assessment Cts.	Total Assessment $	Total Assessment Cts.
Edwin Barker	Pt SW NW	2	18	3	5		5				87	00		
Do	NW SW	2	18	3	40		20				236	00		
Do	Pt S½ NE SE	3	18	3	10		1				9	00	332	00
Virl Harvey	Pt NW SE	3	18	3	25		5				40	00	40	00
Robert Parr	E¼ NE SW	2	18	3	10		10				183	00		
Do.	NW SE	2	18	3	40		40				480	00	663	00
Sibyl Harvey	Pt NE SE	3	18	3	25		20				180	00	180	00
Central Ind R.R.	Ben to Right of Way Thro Ths N ½	2/3	18	3							125	00	125	00
Washington Township	Ben to Public Highways 1 N&S Between	34/35	19	3							75	00		
	1 N&S "	2/3	18	3							48	10		
	1 E&W "	2/35	18/19	3/3							85	00		
	1 E&W "	3/34	18/19	3/3							10	00	218	10

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 believe.

Silas DeVaney
.....

Walter Inman
.....
Viewers.

J. S. Shannon
.....
Engineer

Subscribed and sworn to before me this 7th day of Jan. 1921.

J. D. Hill
.....
Auditor of Hamilton County.