

No 20799.

Report of Viewers
and Engineer, on
Geo Stephens, et al,
Drain. #3

Filed Feb 5 1925
Filed Mar 6 1925
Ordered Contested
Mar 20 - 1925

STATE OF INDIANA)
HAMILTON COUNTY)

IN HAMILTON *Circuit* COURT.

IN THE MATTER OF THE PETITION *No. 3.*

OF *Geo Stephens*

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 petition for Drainage of certain lands,
in *Adams Township*, Hamilton County, Indiana, was referred;

We would respectfully report that we met on the line of said pro-
posed ~~report of said~~ *Geo Stephens*, Drain, on the *22* day
of *December* 1924, qualified and proceeded to view said drain
and lands affected thereby.

After a careful investigation of the conditions of said Drain, we
are of the opinion that said Drain should be ^{*Constructed*} ~~repaired~~, 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 of public utility, and will benefit several highways, also that
the cost of construction and repair, 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 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 com-
plete outlet 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 at Stake 0, 1100 feet North and 714 feet East of Southwest Corner of Section 3, Township 19 North, Range 3 East.

Run North 41 degrees 52 minutes East to station 3+25; Thence 22 degrees and 28 minutes Right to station 6+35; Thence 25 degrees and 6 minutes Left to Station 8+90; Thence 29 degrees 18 minutes Right to Station 13+25; Thence 29 degrees and 39 minutes Left to Station 21+55, and terminating in the Margaret Cade Ditch, at a point 397 feet South and 196 feet West of the Center of Section 3, Township 19 North, Range 3 East.

Arm No 1.

Begin at a point 645 feet North and 965 feet East of the Southwest Corner of Section 3, Township 19 North, Range 3 East.

Run North 28 degrees and 2 minutes East to station 2; Thence 50 degrees and 43 minutes Right to station 4+42; Thence 38 degrees and 7 minutes Left to station 7; Thence 14 degrees and 44 minutes Right to Station 9; = 6+35 Main Ditch which is a point 1476 feet North and 1210 feet East of Southwest corner of Section 3, Township 19 North, Range 3 East.

REQUIREMENTS.

The Main Ditch shall consist of One row of Six inch tile from Station 0 to Station 6+35; and One row of Ten inch tile from Station 6+35 to Station 13+25; and One row of Twelve inch tile from Station 13+25 to Station 21+43; and One Twelve inch, 16 gauge galv, iron sewer pipe from Station 21+43 to Station 21+55.

Arm No. 1.

The Arm No. 1. shall consist of one row of Six inch tile from Station 0 to Station 9.

Our Main Ditch and Arm wherever any tile drains are intersected, the outlet end shall be connected with the New Drain in a first class manner and the New headend shall be sealed by means of a boulder or, other indestructable material, said connection to be inspected by the Superintendent of Construction before being covered,

The Galvanized Iron Pipe at outlet of said Main Ditch shall be Rip-Rapped at outer end with at least one perch of field rock, laid under and around said Pipe, in a first class manner.

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 be at its outlet, or its junction with another tile Drain toward its upper end.

The Ditch to be dug along one side of the line 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 the depth indicated by the figures given by the Engineer, measured from the grade stakes.

The laying of the tile must begin at the lower end and proceed up stream. The tile must be laid as closely as 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 reasons, a crack of one fourth inch or more is necessarily left, it must be securely covered with broken pieces of tile, or by other indestructible material, junctions with branch lines must be carefully and securely made. After the tile have been laid and inspected by the Engineer or his 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, 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 cases 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 injury 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 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.

~~XXXXXXXX~~

CONCRETE WORK.

Unless other wise 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 shall be neatly constructed from strong materials, and shall be true to lines, dimensions, and shape given for the different structures.

Profile or Tabulated Sheet.

Main Ditch,

Sta.	Ground Out,	Cu.Yds.	Arm No. 1.		
			Sta.	Ground Out,	Cu.Yds.
0	3.12				
1	3.91	13			
2	3.68	13			
3	3.38	13	0	3.25	
4	2.95	12	1	3.35	16
5	3.45	12	2	5.05	16
6	3.92	13	3	4.04	18
7	3.83	21	4	3.45	20
8	4.53	24	5	3.58	20
9	5.14	27	6	3.50	20
10	4.68	27	7	3.60	20
11	4.33	25	8	3.65	20
12	3.48	21	9	4.35	23
13	4.23	21			173
14	4.53	22			
15	5.48	25			
16	5.68	27			
17	5.45	27			
18	5.08	25			
19	4.58	24			
20	4.71	23			
21	4.30	23			
21+55	4.38	14			

482

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

<i>Main</i>	Station.	0	to	2150-	.....
<i>Arm</i>	Station	0	to	9	.....
	Station		to		.....
	Station		to		.....
	Station		to		.....
					Total <i>647.58</i>

Estimated Expenses, including,

Attorneys Fee,	.....
Recording & Releasing,	.....
Legal printing,	.....
Superintendent of Construction,	.....
Court Expenses etc,	.....
Contingency fund,	.....
	Total <i>123.67</i>

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

<i>Henry Gavina</i> ...	Drainage Commissioner,	10
<i>Jane Campbell</i> ...	Viewer,	10
<i>W. Shannon</i> ...	Engineer & Helpers,	38.80
	
	Total	58.80

Grand Total,

.....
 \$ 830.00

Geo. Stephens Drain

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.
Geo. Stephens	Pt W 1/2 SW 1/4 N. Lafayette Road	3	19	3	35	00	6	00	157	40	194			
Oscar Wistler Waite	Pt E 1/2 & Pt W 1/2 SW 1/4 S. Lafayette R.	3	19	3	54	00	5	00	88		80			
Wm Jeddup George Newby	Pt E 1/2 & Pt W 1/2 SW 1/4 N. Lafayette R.	3	19	3	35	00	22	00	435	60	396			
Sam'l W. Kelly	Tipton Ind.													
Romea Henry	Pt E 1/2 SW 1/4	3	19	3	37	90	18	00	198		180			
Adams Township	Benefit to Lafayette Road Thru SW 1/4	3	19	3					33		30			

()
\$ 830

STATE OF INDIANA }
HAMILTON COUNTY } SS

We the undersigned Viewers and Engineer,
to whom was referred the above entitled petition for re-
port, 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 interest-
ed, 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.

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Viewers.

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Engineer.

Subscribed and sworn to before me this 12th day of Mar 1925.

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Clerk of Hamilton County.