

COOK DITCH

Petitioned for by Chas. & Nettie Cook

ORDER TO ENGINEER

This day the Commissioners of Madison County being in regular session, members present: Val Wilson, Chas. L. Frugh and George Street, and the County Auditor gave notice of the filing with him of a petition by the above named petitioners, for the location, deepening, widening, straighting, tiling and/or altering of a ditch. And it appearing to us that the proper bond has been filed with the Auditor, and by him approved, conditioned for the payment of all costs if the petition be not granted, or be dismissed for any cause, said Board hereby orders the County Engineer to visit within 30 days the proposed location of said improvement and make any necessary survey thereof, both of the line proposed in said petition and any other line appearing to him more feasible, if such there be, to accomplish the purpose of said petition. And to prepare suitable maps and profiles of such location or locations and surveys, including necessary branches. And make an estimate of the probable cost and expense of the construction of said improvement and its proposed branches, if any, on the lines deemed by him best to accomplish the object of the petition. And perform such other duties as the law requires of him in such case.

AuditorPres., Board of Commissioners

Filed - August 16, 1920

Will H. Davis, Auditor

SPECIFICATIONS OF THE MANNER OF CONSTRUCTION

The main ditch and laterals are to be constructed to the grade line shown on profile and in schedule "A" of this report.

This improvement is to be made an open ditch from station 41.00 to sta. 38.56- four feet inside in the bottom with banks evenly sloped as near $1\frac{1}{2}$ to 1 as possible without disturbing the old banks and all earth removed from the open ditch is to be removed beyond the top of the present banks of the same.

The remainder of the main ditch and both laterals are to be tiled, using sizes of tile as follows:

Station 36.56 to station 28.715	20 inch tile
" 28.715 " " 12.30	18 " "
" 12.30 " " 9.00	15 " "
" 9.00 " " 5.00	12 " "
" 5.00 " " 0.00	10 " "
Lateral No. 2	8 " "
" No. 1	6 " "

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The trenches for receiving the tile are to be cut in straight lines from near one angle to another, making gradual curves at angles.

All tile are to be carefully laid and closely jointed and are not to be covered until after examination, and after examination has been made, then all earth removed in the excavation is to be replaced in or over the trench and this must be done before any estimate in excess of fifty per cent of work otherwise completed will be issued.

The contractor will connect all laterals either old or new without extra compensation.

In case a ditching machine be used, it will be necessary for the contractor to secure a written consent of property owner before going thru any fence of a permanent nature.

The contractor will deaden all green timber nearer than 25 feet of said tile ditches.

All tile to be first class drain tile or selected second class sewer pipe and all Y's to be vitrified sewer pipe, each size of tile and each Y to be delivered at its proper place on the line of the work.

An estimate has been made for filling the old channel on the main ditch from the bulkhead at station 36.56 to station 31.25 and on lateral No. 2., which may be done by the landowner on whose premises this portion of the work is located and will not be sold, provided he causes the same to be done within 30 days after the tile have been laid; but in case this is not done, then said filling will be sold and charged to the land on which said filling is to be done.

At station 36.56 there is to be built a concrete bulkhead according to plan shown elsewhere in this report.

A clear right of way of fifty feet on each side of said ditch is reserved for construction and delivery of materials.

An estimate has been made for grubbing and cleaning lateral No. 1, also for backfilling the same which may be done by the land owner on whose premises this portion of the work is located and will not be sold provided he causes the same to be done within 30 days after the tile have been laid; but in case that is not done, then said grubbing, clearing and filling will be sold and charged to the land owner on whose premises the work is to be done.

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STATEMENT OF WORKING SECTIONS

Working Section	From	To	Lineal feet	Cubic Yards	Amount	Remarks
MAIN DITCH - OPEN						
1	41.00	36.56	444	100 @ 1.00	\$ 100.00	
MAIN DITCH - TILE						
2	36.56	00.00	3656			
	47.545	rds	20"	tile @ \$12.00	570.54	
	99.485	rds	18"	tile @ 9.00	895.37	
	20/00	rds	15"	tile @ 6.50	130.00	
	24.242	rds	12"	tile @ 4.00	96.97	
	30/303	rds	10"	tile @ 3.00	90.91	
	221.575	rds	construction	5.00	<u>1107.87</u>	Average cut, 4.25'
<u>Lateral No. 1</u>						
	8.88	00.00	888			
	53.818	rds	6"	tile @ 1.25	67.27	
	53.818	rds	constr.	.60	32.29	Average cut 1.46'
<u>Lateral No. 2</u>						
	1.45	0.00	145			
	8.787	rds	8"	tile @ \$2.15	18.89	
	8.787	rds	constr.	.75	6.49	average cut 2.12'
	Making connections				<u>10.00</u>	
					3026.60	
3	Back fill on Campsey land					
	350.00	cu yds	@ \$.80	280.00	
4.	Y's and connection tile				58.48	
5.	<u>Bulkhead</u>					
	17.50	cu yds	1:2:4	concrete		
	@ \$20.00	per	cu	yd	350.00	

RECAPITULATION

<u>Construction</u>		<u>Tile</u>	
Open ditch	\$ 100.00	47.545 rods 20" tile	\$ 570.54
Tile ditch	1156.65	99.485 rods 18" tile	895.37
Bulkhead	<u>350.00</u>	20.75 rods 15" tile	134.87
	\$1606.65	24.242 rods 12" tile	96.97
Back fill	\$ 280.00	30/303 rods 10" tile	90.91
		11.287 rods 8" tile	24.27
		54.318 rods 6" tile	67.90
		Y's	<u>47.60</u>
			\$1928.43
	Open Ditch	\$ 100.00	
	Tile construction	1156.65	
	Bulkhead	350.00	
	Tile & Y's	1928.43	
	Back fill	280.00	total \$3815.08

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Total	\$ 3815.08
Engineer & Expenses	175.00
Clearing & grubbing	
backfill lateral No. 1	<u>150.00</u>
Grand total.....	\$ 4140.08

SCHEDULE "A"

Stake every 100'	Surface Elevation	Grade Elevation	Entire Depth	Remarks
Z 0	94.34	90.30	4.04	
1	94.34	90.20	4.14	
2	94.32	90.10	4.22	
3	93.99	90.00	3.99	
B	95.42			Elm - R
4	93.84	89.90	3.94	
5	93.89	89.80	4.09	
6	94.61	89.60	5.01	
7	93.47	89.40	4.07	
8	92.99	89.20	3.79	
9	93.18	89.00	4.18	
B	997.29	-1.50		x center of s. parapet culvert 200' N.
rd	95.43			
10	93.84	87.50	6.34	
f 66	90.69	86.50	4.19	
11	92.64	86.00	6.64	
12	91.69	85.70	5.99	
13	91.58	85.40	6.18	
14	90/01	85.10	4.91	
15	90.61	84.80	5.81	
16	90.56	84.65	5.91	
B	993.49			Black Hickory - R
17	88.96	84.50	4.46	
18	89.07	84.35	4.72	
19	88.53	84.20	4.33	
20	88.20	84.05	4.15	
21	88.02	83.90	4.12	
f 50	89.43	83.82	5.61	
22	89.31	83.75	5.56	
23	89.03	83.60	5.43	
24	88.46	83.45	5.01	
25	88.36	83.30	5.06	
26	88.05	83.15	4.90	
27	87.71	83.00	4.71	
28	87.84	82.85	4.99	
f 71.5	88.28	82.75	5.53	
B	87.51			Oak- R
29	87.79	82.70	5.09	
3-	87.61	82.55	5.06	
		-2.50		

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Cont'd

/ 70	84.57	81.30	3.27	
31	87.29	80.05	7.25	
		-.10		
/ 50	86.96	80.00	6.96	
32	86.84	79.95	6.89	
33	87.45	79.85	7.60	
34	87.34	79.75	7.59	
/ 22	86.84	79.73	7.11	
35	86.21	79.65	6.56	
36	81.30	79.55	1.75	
/ 56	84.45	79.50	4.95	End of tile
37	85.49	79.45	6.04	
38	85.57	79.35	6.22	
39	85.44	79.25	6.19	
40	84.82	79.15	5.67	
41	84.84	79.05	5.79	
B	984.66			Twin Oaks-L

Lateral #1 at Sta 28/71.5 R

0	990.89	85.70	5.19	
		-.30		
1	88.04	95.40	2.64	
2	88.19	85.10	3.39	
3	88.44	84.80	3.64	
4	87.76	84.50	3.26	
5	89.01	85.20	4.81	
		-.24		
6	88.26	83.96	4.30	
7	88.71	83.72	4.99	
8	88.25	83.48	4.77	
/ 88	88.28	83.25	5.03	

2.45

Lateral #2 at Sta. 30/70 R

0	986.29	982.15	4.14	
		-.10		
1	84.24	982.05	2.19	
/ 45	84.57	982.00	2.57	

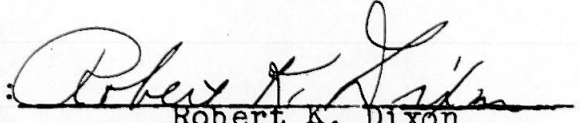
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SCHEDULE "B"

Range Township - Madison County

Owner	Survey	Acres Owned	Acres Benef	Est. Konst.	Est. Locat.	cost Apport.	Charged	
Beaumen, Martin L	6049	216.02	5.00	20.00	3.00	20.00	23.00	
Campsey, John M.	7391			280.00				
	7894	137.37	65.00	474.68		754.68	paid	
Cantwell, Jennie L.	6391							
	7894	21.95	21.95	100.00	15.00	100.00	115.00	
Cook, Charles & Mattie	6049	43.40	43.50	957.50	143.62	957.50	1101.12	
	6391							
	7894	48.00	48.00					
McClimans, Chas. W. & Ella May	"	76.32	66.00	300.00	45.00	300.00	345.00	
	"	20.94	20.90	105.00	15.75	105.00	120.75	
McClimans, Lida & May	"	99.00	60.00	290.00	43.50	290.00	333.50	
McClimans, Solomon	6049	13.09	10.00	50.00	7.50	50.00	57.50	
	6391			150.00				
	7894	127.18	127.18	1032.90	192.44	1282.90	1475.34	
McFarland, M. E.	5218	176.00	4.00	100.00	15.00	100.00	115.00	
	6391							
	7894	16.00	16.00					
Tobin, Alvin & Chas. Hawk	6049	78.85	22.00	150.00	22.50	150.00	172.50	
Madison County				30.00	4.50	30.00	34.50	
						507.81	4140.08	3893.21
cash payment							754.68	
							3385.40	
Plus extra							507.81	
Total							3893.21	

Attest: 
 Robert K. Dixon
 Auditor, Madison Co

Date: September 21, 1939