

## PRELIMINARY SURVEY

April 9, 1921

Petitioned for by Albert Spangler et al

Honorable Board of Commissioners of Madison County, Ohio:

The undersigned Engineer, in obedience to your order, made on the \_\_\_\_\_ day of 1921, has proceeded in the above Ditch improvement and herewith makes report of the same:

On the 6th day of April, 1921, I the said Engineer visited the proposed location of said improvement and made the necessary survey thereof.

I have prepared suitable maps and profiles of said location and surveys, which are hereunto attached and made a part of this report. And I estimate the probable cost and expense of the construction as follows:

ITEM K. For the main line as proposed in said petition \$1431.31

The following are highways or other lands which in my judgement will be beneficially affected by the improvement, other than those mentioned in the petition, with the names of the owners thereof and the address of each so far as the same can reasonably be ascertained by me.

Addie M. Spangler,	Lilly Chapel, Ohio
Bruce P. Jackson	Columbus, Ohio
Julia M. Sullivan	London, Ohio
Sarah J. Jackson	Grove City, Ohio
Jessie F. Jackson	Oxford, Ohio
Abner M. Mortimer	Springfield, Ohio
Clyde A. Jackson	Springfield, Ohio
Mary Ethel Weir	Ashtabula, Ohio

The following is an itemized cost bill made by me in the proper discharge of my duty under your order.

H. L. McCafferty	Deputy Engineer	2 days @ 6.00	\$ 12.00
R. H. Asher	" "	1 " 6.00	6.00
O. M. Brown	Chainman	1 " 3.00	3.00
Other Expenses:	Madison County Auto		5.00
	Madison County Stakes		<u>1.50</u>
			\$ 27.50

J. H. ASHER, Engineer

by: H. L. MCCAFFERTY? DEPUTY

## SPANGLER DITCH PLAN NO. 1

## SPECIFICATIONS

This improvement is to be constructed as a tile ditch from station 0 + 0 to station 17 + 95 and as an open ditch from station 17 + 95 to station 20 + 0.

The sizes of the tile shall be as follows: from station 17 + 95 to station 8 + 0 use 15 inch tile and from station 8 + 0 to station 0 + 0 use 14 inch tile.

All tile to be first class drain tile and all Y's to be second class vitrified sewer pipe.

The estimated cost of the tile and Y's includes their proper delivery along the line of the work - each size of the tile and each Y in its proper place.

The open ditch is to be made 2 feet wide in the bottom with banks evenly sloped  $1\frac{1}{2}$  to 1 and all excavated materials is to be well scattered 10 feet beyond the top of the banks.

The estimated cost of the open ditch includes all necessary grubbing and clearing within the construction area.

The trench for receiving the tile must be cut fully down to the grade line and the tile carefully laid therein and closely jointed. No tile to be covered until after examination by the Engineer when the trench is to be filled full

It will be the duty of the contractor to connect all laterals at the line of passing and without extra compensation unless any lateral requires taking up and cleaning for a distance greater than 1 rod when a reasonable price will be allowed therefor. The contractor will also deaden any or all green timber nearer than 25 feet of the tile ditch.

## SCHEDULE "A"

Every 100'	Surface Elevation	Grade Elevation	Entire Depth	Total Fall	Cut	Remarks
B	100.00					2 nails 1' up in end post 80' R
0	96.61	92.00	4.61		4.61	
+27	99.48	-.75				Center Georgisville-Kiousville Road
1	96.86	91.25	5.61		5.61	
2	95.60	90.50	5.16		5.16	0-2+50 N 6' W
+50	94.32	90.13	4.19		4.19	2+50-6+60 N.17'E
3	93.89	89.75	4.14		4.14	6+50-10+22 N 22 W
4	93.29	89.00	4.39	3.00	4.29	10+22-12+34 N 5 E
5	94.84	88.75	6.09		6.09	12+34-16+0 N 40'30 E
6	93.46	88.50	4.96		4.96	16+0-18+0 N 4 E
+50	93.47	88.37	5.10		5.10	18+0-19+0 N 32 E
7	92.80	88.25	4.55		4.55	19+0-20+0 N 45 E
8	92.23	88.00	4.23	4.00	4.23	
9	91.43	-1.50	4.93		4.93	
10	90.35	86.50	4.93		4.93	
10	90.35	85.00	5.35	7.00	5.35	10+10 Line
+22	89.01	84.50	4.51		4.51	Bruce P. Jackson & al, J. McKinney

## SPANGLER DITCH PLAN NO. 1

stake every 100'	Surface Elevation	Grade Elevation	Entire Depth	fall	Cut	Remarks
cont'd						
11	89.01	84.50	4.51		4.51	
12	88.24	84.00	4.24		4.24	
13	87.71	83.50	4.21	8.50	4.21	
14	84.74	80.75	3.99		3.99	13/85 line Jackson-Sullivan
15	82.68	78.00	4.68	14.00	4.68	
16	81.03	77.00	4.03		4.03	
17	80.61	76.00	4.61	16.00	4.61	
18	77.83	74.00	3.83	18.00	3.83	17/95 end of tile
BS	85.87					gross in center at top N. parapet concrete arch
19	76.41	73.50	2.91		2.91	18/20 $\phi$ Lockbourne Rd.
20	74.19	73.00	1.19	19.00	1.19	

## STATEMENT OF WORKING SECTIONS

Working Section	From	To	Linear feet	Cubic Yards	Per Yard	Amount
1	20/0	17/95	205	154	.60	\$ 92.40
2	17/95	8/0	995			
						60/3 rds 15" tile @ \$6.50
						391.95
						60.3 rds excavation @ \$4.00
						241.20
						Average cut 4.50
						633.15
3	8/0	0/0	800			
						48.48 rds 14" tile @ 5.50
						266.64
						48.48 rds construction @ 4.00
						193.92
						Average cut 4.80
						460.56
4	Concrete bulkhead					
	24' x 5' x 1.50					
	3 - 4 x 4 x 1			8.45	16	135.20
Y's	Station 0	- 1-14x8				
	0	1-14x10				
	4	1-14x8				
	5	1-14x6				
	7	1-14x8				
	9	1-15x8				
	10	1-15x8				
	11	1-15x8				
	12	1-15x8				
	14	1-15x8				

RECAPITULATION

Open Ditch	\$ 92.40
Tile & Y's	668.59
Construction	435.12
Bulkhead	134.20
Engineering etc	<u>100.00</u>
	\$1431.31

SCHEDULE "B"

Owner	Survey	Township	Acres Owned	Acres Benefited
Burns, Michael & Catharine	8423	Fairfield	30.45	20.00
" " " "	"	"	51.04	
Jackson, Bruce P. et al	"	"	9.84	9.84
Bell, Chas. H	6297	"	4.00	2.00
Freeman, J. C. (Heirs)	8423	"	10.00	5.00
Jackson, Monroe	"	"	49.31	15.00
McKinney, Jonathan Jr	"	"	47.56	47.56
Spangler, Albert et al	"	"	26.00	26.00
Sullivan, W.A. et al	6297	"	12.34	12.34
Norton, John (Parmer)	8423	"	3.63	3.65
Taylor, Caleb	8423	"	35.30	
			30.23	
Madison County				

May 31, 1921 @ 10 for hearing on preliminary survey of engineer

Attest: Robert K. Dixon  
 ROBERT K. DIXON  
 AUDITOR, MADISON COUNTY

DATE: September 21, 1939