

Drain: William SHRYOCK Drain #: 92  
Improvement/Arm: JOHN NARTZLER  
Operator: J. LIVINGSTON Date: 6-17-04  
Drain Classification: Urban/Rural Year Installed: 1891

### 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

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Gasb 34 Footages for Historical Cost:  
Drain Length Log

Drain-Improvement: WILLIAM SHYROCK - JOHN WARTZLER

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
TILE	8"	1200'	1200'		2 <sup>00</sup> / <sub>100</sub>	2400 <sup>00</sup>
	10"	700'	700'		3 <sup>00</sup> / <sub>100</sub>	2100 <sup>00</sup>
	12"	2300'	2300'		4 <sup>00</sup> / <sub>100</sub>	9200 <sup>00</sup>
	14"	2800'	2800'		4 <sup>25</sup> / <sub>100</sub>	11,900 <sup>00</sup>
	16"	2650'	2314'	-336'	5 <sup>50</sup> / <sub>100</sub>	12,727 <sup>50</sup>
OPEN DITCH	-	245'	0	-245'	N/A	N/A

Sum: 9,095'    9,314' \* -581'    38,327<sup>50</sup>

Final Report: \_\_\_\_\_

Comments:

\* 281' OF 16" TILE REMOVED & REPLACED W/ 234' ST RECONSTRUCTION  
 300' OF TILE & OPEN DITCH RECONSTRUCTED AS OPEN DITCH AND  
 NEW PART OF THE WILLIAM SHYROCK MAIN DITCH.

No. \_\_\_\_\_

IN THE MATTER OF

*John Hartzler Et al*  
*Ditch*

*Dec 9<sup>th</sup> Regular Term 1891*  
*Report approved and Ditch*  
*Ordered constructed*  
*Lewis S Kercheval P. B.*

REPORT OF DITCH VIEWERS,  
COMMISSIONERS' COURT.

*no 684*

Filed *Nov 14*, 18*91*

*W J Johns*  
Auditor.

Sentinel Printing Co., Indianapolis.

*E O B 7-150*

# Reviewer's Report of John Hartzler Et. al.

Ditch.

TO THE HONORABLE BOARD OF COMMISSIONERS OF *Hamilton* COUNTY, INDIANA:

We, the undersigned, appointed by this Court, at its *September* Term, 1891, to view a drain described in the certified copy of a petition and order of Court for a *Ditch*, by *John Hartzler* and others, handed us by the Auditor, would represent that according to said order we, on the day named therein, to-wit: the *14<sup>th</sup>* day of *October*, 1891, in company with *J. H. Brown*, a civil engineer, made an accurate survey of the line of said proposed *Ditch* from its source to its outlet. A plat of said *Ditch* is filed herewith including the survey by the engineer, marked "Exhibit *B.*" We caused stakes to be set along said line, each one hundred feet, numbering down stream, as shown by plat. We also made a computation of the total number of cubic yards of earth to be removed from said drain, and estimated the total cost for the construction of the work at *Twenty three Sixty two and 7/10* Dollars. We also apportioned and set apart to each parcel of land a share of said work in proportion to the benefits received, all of which will fully appear by a tabular statement in this report. We have also set out by a statement below, the names of the owners of lands benefited with a description of each tract of land, and the amount assessed against each tract. The depth of cut, the width at bottom, and width at top along said drain is also shown in a tabular statement in this report. After a full and careful view and examination, we are of the opinion that the drain as

located by the survey will be of *Public Utility a benefit to one or more Public Highways and that the Cost of Construction will be Less than the Benefits to be derived.* said ditch to begin 68 rods South 35 rods West of the NE corner of *SE 1/4* Section 30 Township 20 Range 5 East South 380 South 53° East 120 South 71° East 380 South 21° East 120 South 6° West 500 South 14 West 500 South 24° West 240 South 13° East 100 South 14° West 100 South 40° West 350 South 60° West 300 South 17° West 100 South 3° West 1030 South 18° West 170 South 10° West 500 South 25° West 470 South 21° West 360 South 5° West 160 South 49° West 500 South 42° West 250 South 10° East 550 West 22° South 200 South 1120 South 16° East 555 South 3° East 370 East 300 *terminating in the McClelland Ditch.*

The following statement shows who are benefited, the lands thereof and assessment thereon, location, length of each share, amount of assessments, amount of benefits, amount of dirt to be removed from each share, price thereof per cubic yard, and total cost of each share:

NAMES OF OWNERS.	DESCRIPTION OF LANDS.	Station.	Width.	Price Assessed.	Amount Assessed.	Amount Benefited.	Amount Benefited.	Amount of Benefits.	Amount of Assessments.	From Station.	Station.	Feet Long.	Cubic Yards to be Removed.	Price per Cubic Yard.	Cost of Construction of Share.
The fall of the established grade is <i>Station 27 To Terminous 14/100</i> feet, from Station <i>0</i> to Station <i>27</i> , is <i>15.00</i> feet, <i>From</i>															

The total fall is *13.71* feet to the

*G. W. Wheeler* }  
*Eli Brooks* } *Re Viewers*

*J. H. Brown*  
*C. H. C.*

Subscribed and sworn to before me, this *14<sup>th</sup>* day of *Nov.*, 1891  
*W. J. Jones* Auditor *Hamilton* County.

Viewers' Report of

John H. Cartzler

Ditch.

TABULAR STATEMENT OF STATIONS, WIDTH, DEPTH, LENGTH, ETC.

STATIONS.	WIDTH AT TOP.		DEPTH OF CUT.		WIDTH AT BOTTOM.		WIDTH OF CLEARING OF TIMBER.
	FEET.	INCHES.	FEET.	TENTHS.	FEET.	INCHES.	

*General Specifications*  
 From Station 0 To 12 One row of 8 inch Tile.  
 " " 12 To Station 19. two rows of 8 Inch Tile  
 " " 19 To " 44 two rows of 10 " "  
 " " 44 To " 67+56 two rows of 14 " "  
 " " 67+56 To " 84+75 two rows of 14 " " One row of 10 Inch Tile.  
 " " 84+75 To " 96+50 three rows of 12 " "

*Manner of Construction*

all Tile to be of good merchantable Tile good Color and well burned. all Tile to be carefully laid in ditch on a uniform grad and evenly matched together should on account quicksand and if becomes necessary to underlay the Tile with Plank the same to be done by the Contractor without additional charge no Tile to be covered until inspected by Superintendent in charge. The depth of cutting to be accurately taken from Hub stakes at each Stake. and the grad between Stations to be a uniform Plane all work to be done in a workman like manner and to the full satisfaction of the Superintendent in charge of work.

GENERAL SPECIFICATIONS AND SUGGESTIONS.

The length of the ditch as located is 26 70

1 Margaret Walz	NE 1/4	NE 1/4 30 20 5 40	4	20.00	70 270 27	17 1/2	18.00
2 John Cartzler	NE 1/4	NE 1/4 30 20 5 40	40	160.00	70 2360 538	"	288.00
Same	18 rods N of E cor West 80	30 20 5 20	20	160.00			
3 James & Maggie Cook	1/2 Sec 18 rods N of E cor West 80	30 20 5 10	10	75.00	70 355 81	"	67.50
4 Barbara Cartzler	1/2 Sec 18 rods N of E cor West 80	30 20 5 10	10	80.00	70 405 131	"	73.00
5 Frederick J. Herum	NE 1/4	NE 1/4 31 20 5 40	40	320.00	70 3150 1314	"	794.00
Same	NE 1/4	NE 1/4 31 20 5 40	40	320.00			
Same	SE 1/4	NE 1/4 31 20 5 20	20	120.00			
Same	E 1/2 NW 1/4	NE 1/4 31 20 5 20	20	120.00			
6 James M. Reinhart	SW 1/4	NE 1/4 31 20 5 10	10	30.00	70 70 70 45	"	24.00
7 Charles Barth	1/2 Sec 18 rods N of E cor West 80	31 20 5 10	10	40.00	70 110 67	"	36.00
8 Gus Jacobs	NE 1/4	NE 1/4 31 20 5 39	15	110.00	70 275 184	"	99.00
9 George Cornelius	NE 1/4	NE 1/4 31 20 5 22	22	65.00	70 325 144	"	81.00
Same	1/2 Sec 18 rods N of E cor West 80	31 20 5 6	6	25.00			
10 James Maynagan	NW 1/4 NE 1/4	SW 1/4 31 20 5 10	5	15.00	70 37 24	"	13.50
11 James R. Carson Est	NE 1/4 NE 1/4	SW 1/4 31 20 5 10	1	3.00	70 8 6	"	2.70
12 Margaret Brattain	NE 1/4 NW 1/4	NE 1/4 30 20 5 10	3	12.00	70 30 21	"	10.80
13 Peter Snyder Est	SW 1/4 SW 1/4	SW 1/4 29 20 5 10	1	3.00	70 8 6	"	2.70
14 Alexander Kerr	SW 1/4	SW 1/4 29 20 5 40	35	140.00	70 527 384	"	193.50
Same	SW 1/4	SW 1/4 29 20 5 40	15	75.00			
15 Peter & James Stou	SW 1/4	SW 1/4 31 20 5 40	4	20.00	70 47 36	"	18.00
16 G. Cornelius	1/2 Sec 18 rods N of E cor West 80	31 20 5 24	24	180.00	70 444 528	"	162.00
17 R. E. Worley	SW 1/4	NE 1/4 31 20 5 40	34	204.00	70 714 431	"	270.00
Same	100 rods W N. E. cor NE 1/4 W 100	6 28 5 17	16	96.00			
18 J. E. Worley	NE 1/4 SW 1/4	SW 1/4 31 20 5 40	20	100.00	70 254 96	"	90.00
19 Jackson Sp. Pul Highway E. 1/2 N. North Lin	E 1/2 N. North Lin	31 20 5		20.00	70 378 71	"	36.00
Same	E 1/2 N. North Lin	31 20 5		20.00			
19 Joseph Lewis	1/2 Sec 18 rods N of E cor West 80	17 6 19 5 3.75 3.75		15.00	70 78 29	"	27.00
Same	103 rods 8 in E N. E. cor E 21 44 10	6 19 5 4	4	60.00	70 157 58	"	57.00
20 Phobus Maynagan	NE 1/4	SW 1/4 31 20 5 40	20	60.00			

Wm. H. Buford Printing Co., Blank Book Mfr., Indianapolis

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED	Section	Town	Range	ACRES BENEFITED		AMOUNT OF BENEFITS	
									Acres	Hund.	Dols.	Cts.
				State of Indiana } County of Hamilton } S.S.	In the Hamilton Circuit Court April Term 1936							
				In the Matter of the Petition of George D. Bardner, et al, for the Repair of the John Hastyles Drain.	No. 4-1596							
<p>Report of <u>Viewers and Engineers.</u></p>												
<p>to the Honorable C. M. Gentry, Judge of the Hamilton Circuit Court:</p> <p>We, the undersigned, viewers and engineers to whom the above entitled petition for drainage of certain lands in Jackson Township, Hamilton County, Indiana, was referred, report as follows:</p> <p>We met at the Citizens National Bank in the town of Cicero, in Jackson Township, on the 11<sup>th</sup> day of April, 1936, and qualified and proceeded to view said drain and lands affected thereby. that said John Hastyles drain begins at a point 68 rods south and 35 rods west of the North east corner of the South east quarter of Section 30, Township 20 North, Range 5 East, and runs in a southerly direction and terminates at a headwall on the land of William Shryock and wife in the North west quarter of Section 6, Township 19 North, Range 5 East</p> <p>After a careful investigation of the location of said drain we are of the opinion that said drain should be repaired in the manner hereinafter set out and that the same, when completed, will improve the public health, reclaim certain lands, will be a public utility, will benefit certain highways and that the cost of constructing the same together with damages and expenses of effecting said drain will be less than the benefits to the lands affected by said drain.</p> <p>We definitely determined the best and cheapest method of effecting the drainage of said lands as follows: to replace the old tile ditch by beginning at Station 0 to Station 12 with</p>												

DITCH, BY R. D. Horney

COUNTY SURVEYOR, December 27,

1937

## ORIGINAL SPECIFICATIONS

Width at  
TopDepth at  
CutWidth at  
Bottom

## DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE

one row of 8 inch tile now in place, by inspecting and repairing such tile as need to be replaced.

From station 12 to station 19 remove old tile and replace the same with one row of 10 inch tile.

From station 19 to station 42 remove old tile and replace with one row of 12 inch tile.

the ten and twelve inch tile to be salvaged from the ditch.

From station 42 to station 70 remove old tile and replace with one row of 14 inch tile.

From station 70 to station 96 plus 50, or terminus, remove old tile and replace with one row of 16 inch tile.

the fourteen and the sixteen inch tile above referred to shall be new tile.

The headwall to be repaired as required.

Air vents or wells shall be located, one at the Cicero Pike at the line between the Worley and Bardonnas land and one at the highway between the Northeast and the Southeast quarters of section 31, township 20 north, Range 5 East; the same to be built according to plans and specifications attached.

All intersections of tile connections to be concreted to the satisfaction and approval of the County Engineer.

the tile to be used shall be first class clay, shale or concrete to conform to the A. S. C. M. Specifications for their respective kind, all tile preferably to be 30 inches or 3 feet in length.

there will be approximately 2800 lineal feet of 14 inch tile, and 2650 lineal feet of 16 inch tile.

It is generally understood that the C.C.C. Camp No. D. 6 located at Frankton, Indiana, is to do all the labor required to make a first class job to meet the requirements and approval of the County Surveyor, R. D. Horney, and his assistants.

all the tile salvaged after the work is completed shall be stored and offered for sale and the proceeds derived from the sale thereof shall be used in paying the cost of this improvement.

all broken tile and rubbish to be removed before said

Wm. B. Burford Printing Co., Blank Book Mfr., Indianapolis

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED	Section	Town	Range	ACRES BENEFITED		AMOUNT OF BENEFITS	
									Acres	Hund.	Dols.	Cts.
					improvement is accepted and approved by said County Engineer							
					The work will be staked out by the engineers 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 drain towards its upper end. the ditch to be dug along one side of the line of survey stakes, and sufficient distance from them as not to 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, measuring from the grade stakes. the laying of the tile must begin at the lower end and proceed upstream. the tile must be laid as closely as practicable and in a line free from crooks, the pieces 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 reason a crack of one-fourth ( $\frac{1}{4}$ ) inch or more is necessarily left, it must be securely covered with broken pieces of tile or by other indestructable material. junction 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 (2) 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 (2) 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 be allowed in the filling if they may in time come in contact with the tile.							



Ditch, by

County Surveyor,

19

## ORIGINAL SPECIFICATIONS

## DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE

Width at Top	Depth at Cut	Width at Bottom
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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 as 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 precautions 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 lay out 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 make 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 free from strong materials and shall be true to lines, dimensions and shape given for the different structures.

C.C.C. WORK

In the event the labor used in the repair of said drain is

# Apportionment for Keeping in Repair the

*Continued*

Wm. B. Burford Printing Co., Blank Book Mfr., Indianapolis

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED	Section	Town	Range	ACRES BENEFITED		AMOUNT OF BENEFITS	
									Acres	Hund.	Dols.	Cts.
					<p><i>furnished by the C.C.C. Camp above mentioned then and in that event the County Surveyor shall advertise for the purchase of tile and other material and the successful bidder shall furnish such tile and other material as needed in the construction of said repair; and it shall be understood that the assessments herein made have been made upon the condition and belief that such labor will be furnished by the said C.C.C. Camp.</i></p> <p><i>In the event said labor is not furnished by said C.C.C. Camp or in the event that said C.C.C. Camp should withdraw from said work after the same has been begun then and in that event a new estimate shall be made to cover the cost of such labor as may be necessary to complete said proposed repair and said County Surveyor shall advertise for such additional labor.</i></p>							

FINAL SPECIFICATIONS			DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE									
NAME	Depth at Cut	Width at Bottom	Description OF LANDS	Sec.	Twp.	Rgc.	Acres Assessed	Acres Benefited	AMOUNT OF BENEFITS	AM'T OF ASSESSM'T	TOTAL ASS M'T	
Bright			pt. E 1/2 S.E.	30	20	5	40		\$ 472.00	\$ 236.00		
M. Walz			W. 1/2 S.W. N.W.	32	20	5	10		118.00	59.00		
Bardonnas			pt. N.W. S.E.	31	20	5	26.50					
Do			pt. Ct. pt. N 1/2 N.E.	31	20	5	37.50					
Do			pt. Ct. pt. S 1/2 N.E.	31	20	5	42.50		1250.80	625.40		
ie Klotz			pt. E 1/2 N.E.	31	20	5	17		200.60	100.30		
Gunn + wife			S.W. S.W. N.E.	31	20	5	10		118.00	59.00		feet
J. Crum Est.			pt. S.E. S.E. N.W.	31	20	5	5		59.00	29.50		
Bender			pt. N 1/2 N 1/2 S.W.	31	20	5	10		118.00	59.00		
Bender			pt. N 1/2 S.W.	31	20	5	3		35.40	17.70		
+ Guilkey + wife			pt. N.E. S.W.	31	20	5	22		259.60	129.80		
+ Dorothy Evans			pt. N.W. S.E.	31	20	5	14		165.20	82.60		
ew Berg + wife			pt. W 1/2 N.E. S.E.	31	20	5	15		177.00	88.50		do
Worley			pt. S 1/2 S.E.	31	20	5	34					
Do			pt. N 1/2 N 1/2 N.E.	6	19	5	16		590.00	295.00		2
F. Hicks + wife			pt. S.E. S.W.	31	20	5	20					
Do			pt. S 1/2 N.E. S.W.	31	20	5	5		295.00	147.50		
ville B. Prout + wife			pt. N 1/2 N 1/2 N.W.	6	19	5	10.15		119.66	59.88		
H. Shryock + wife			pt. N.E. N.W.	6	19	5	8					
Do			pt. N.W. N.E.	6	19	5	12		236.00	118.00		
							387.65					
ltors Co. benefit to Hugs.			E. + W. betw.	30/31	20	5						
Do			E. + W. Thru.	31	20	5						
Do			N. N.E. 1/4	31	20	5						
Do			E. + W. Thru.	6	19	5						
									TOTAL		\$ 2,168.24	

Wm. B. Thurston Printing Co., Blank Book Mfr., Indianapolis

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED	Section	Town	Range	ACRES BENEFITED		AMOUNT OF BENEFITS			
									Acres	Hund.	Dols.	Cts.		
					Estimated Cost of Construction including, Material, Labor, Hauling etc., necessary for Completion of the work in accordance with the Plans and Specifications.							\$ 1900.00		
					Estimate expense, including,									
					Attorneys' Fee							\$ 80.00		
					Recording + Releasing							10.00		
					Legal Printing							25.00		
					Superintendent of Construction							40.00		
					Court Expenses etc.							10.00		
					Contingency Fund							58.24		
												\$ 223.24	223.24	
					We claim for Services, Expenses + Mileage, to Date for:									
					C. C. Carson							\$ 10.00		
					Chas. De Vaney							10.00		
					R. D. Horney Drainage Commissioner							10.00		
					R. D. Horney Eng. + Helpers							15.00		
												\$ 45.00	45.00	
					Grand Total							\$ 2,168.24		
					State of Indiana } Hamilton County } ss:									
					We the undersigned Viewers and Engineers, 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 as interested. That no other lands will be benefited or injured by said proposed drain, and that the above and foregoing report is true in substance and in fact as we verily believe.									
					R. D. Horney Engineers									
					Viewers { Calvin C. Carson Chas C. De Vaney									
					Subscribed and sworn to before me this 25 <sup>th</sup> day of April 1936									
					Chealey E. Baldock Clerk Hamilton Co.									

November 4, 1976

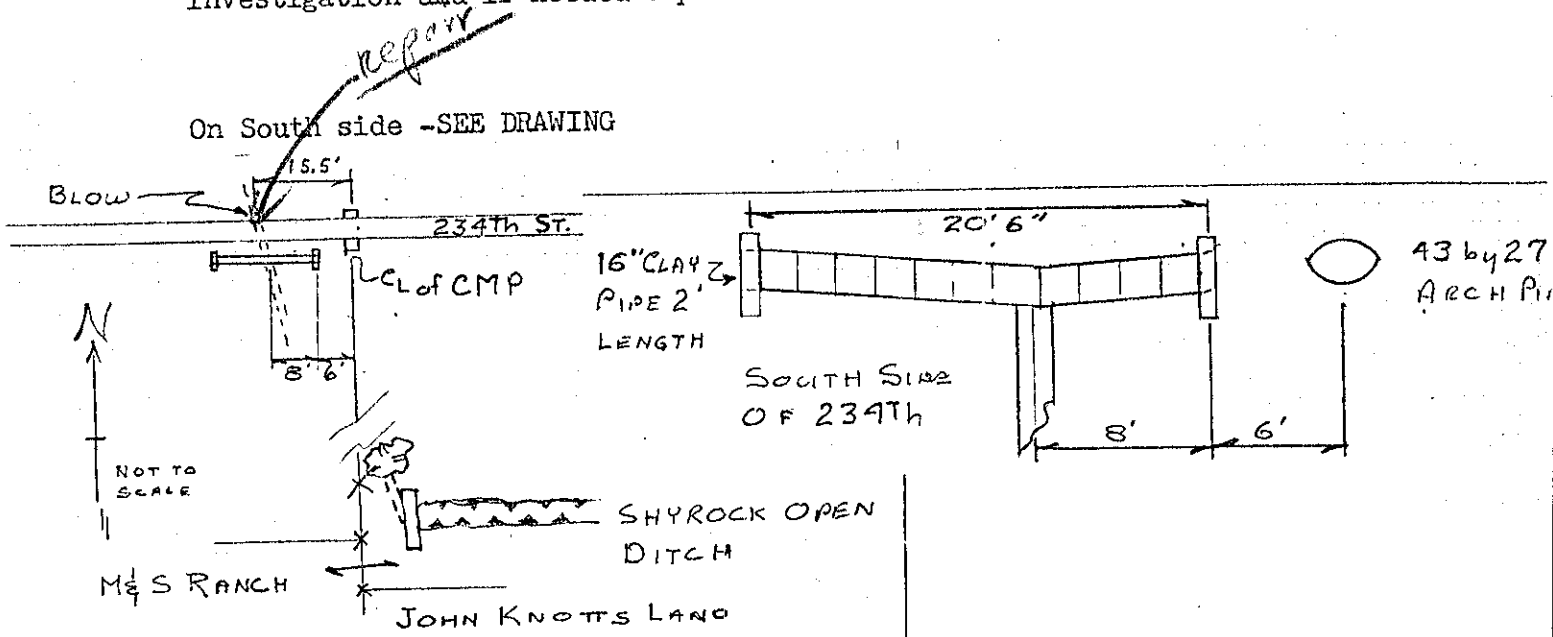
*Handwritten notes:*  
Hartzler  
Cm. T. Hartzler

ATT: Drainage Board and Landowners

RE: Shyrock Ditch Reconstruction  
Tile Investigation  
John Hartzler Drain Arm

Investigation 13 October 1976 and Report of the condition of the tile.  
Buckeye Street to 234th.

On the North side, I found a sunken area over the tile, this may be causing an obstruction to the tile, it should be dug open for investigation and if needed repair.

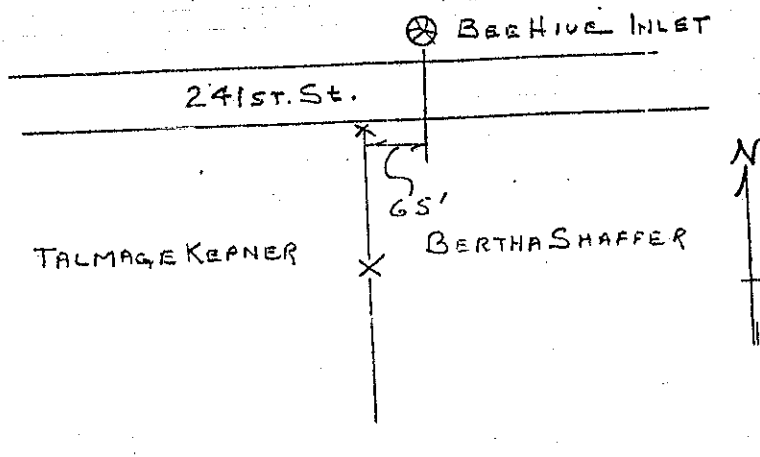


The openings were clear, the portion to the West of down pipe had some dirt clods.

241st Street

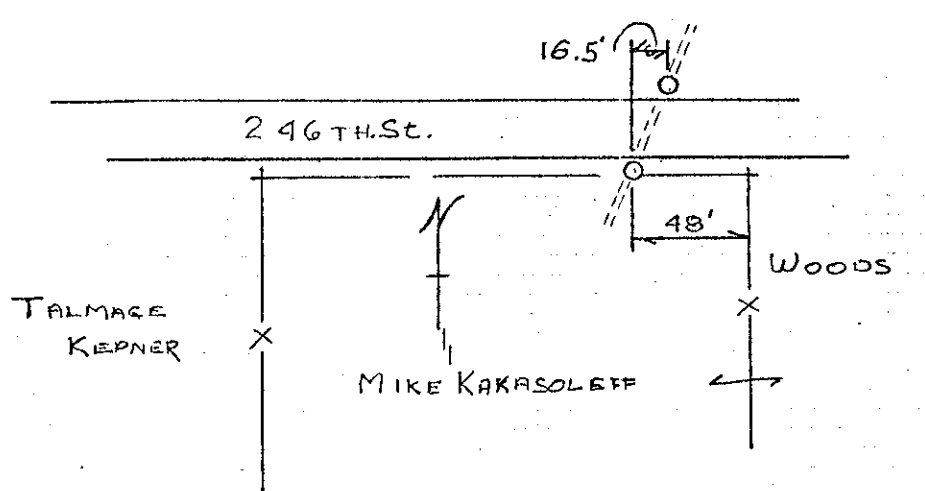
The inlet I found on the North side was a breather type with beehive, it was in good shape. The tile was standing with water in it.

SEE DRAWING:



246TH Street:

I found two beehives, one on North side and one on the South side.  
Both are in good shape and clean, 8inch breather with beehive grate,  
The main tile is clean.



Respectfully,

*Robert E Clements*

Robert E. Clements  
Hamilton County Surveyor