

Source Document Log  
Source Document Discrepancy Log (Over)

Drain: TUNIS GARARD

#	Main/Arm Name	Document Name	Document ID	Info From Document
1	TUNIS GARARD	REVIEWERS' REPORT	11-8-1900	
2	JAHU OWENS RECON.	VIEWERS' REPORT	DRT4 PGS 240, 241, 243 / 3-30-1928	
3	TUNIS GARARD	DRAWN SHEET MAP (MYLAR)	5-20-1981	TILE SIDES & LENGTHS

**Drain:** TUNIS GARARD **Drain #:** 141  
**Improvement/Arm:** \_\_\_\_\_  
**Operator:** J. LIVINGSTON **Date:** 12-29-03  
**Drain Classification:** Urban/Rural **Year Installed:** 1900

### GIS Drain Input Checklist

- Pull Source Documents for Scanning \_\_\_\_\_ *JL*
- Digitize & Attribute Tile Drains \_\_\_\_\_ *JL*
- Digitize & Attribute Storm Drains \_\_\_\_\_
- Digitize & Attribute SSD \_\_\_\_\_
- Digitize & Attribute Open Ditch \_\_\_\_\_ *JL*
- Stamp Plans \_\_\_\_\_ *JL*
- Sum drain lengths & Validate \_\_\_\_\_ *JL*
- Enter Improvements into Posse \_\_\_\_\_
- Enter Drain Age into Posse \_\_\_\_\_ *JL*
- Sum drain length for Watershed in Posse \_\_\_\_\_ *JL*
- Check Database entries for errors \_\_\_\_\_ *JL*

**Gasb 34 Footages for Historical Cost  
Drain Length Log**

Drain-Improvement: TUNIS GARARD

Drain Type:	Size:	Length ( )	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
OPEN	—	260'			19.55/lf	5083. <sup>00</sup>
TILE	12"	162'			4. <sup>00</sup> /lf	648. <sup>00</sup>
ARM 1 - TILE	6"	900'			1. <sup>00</sup> /lf	900. <sup>00</sup>
	8"	800'			2. <sup>00</sup> /lf	1600. <sup>00</sup>
	10"	600'			3. <sup>00</sup> /lf	1800. <sup>00</sup>
	12"	1300'			4. <sup>00</sup> /lf	5200. <sup>00</sup>
ARM 2 - TILE	6"	922'			1. <sup>00</sup> /lf	922. <sup>00</sup>
ARM 3 - TILE	6"	600'			1. <sup>00</sup> /lf	600. <sup>00</sup>
	7"	1010'			2. <sup>00</sup> /lf	2020. <sup>00</sup>

Sum: \_\_\_\_\_

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

Comments:

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**Gasb 34 Footages for Historical Cost  
Drain Length Log**

Drain-Improvement: TUNIS GARARD CONTINUED

Drain Type:	Size:	Length ( )	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
ARM 4 - TILE	6"	600'			1. <sup>00</sup> /lf	600. <sup>00</sup>
	7"	850'			2. <sup>00</sup> /lf	1700. <sup>00</sup>
ARM 5 - TILE	6"	808'			1. <sup>00</sup> /lf	808. <sup>00</sup>
	7"	807			2. <sup>00</sup> /lf	1614. <sup>00</sup>
ARM 6 - TILE	6"	165'			1. <sup>00</sup> /lf	165. <sup>00</sup>
	7"	990'			2. <sup>00</sup> /lf	1980. <sup>00</sup>
	8"	495'			2. <sup>00</sup> /lf	990. <sup>00</sup>

Sum: 11,269' 26,630.<sup>00</sup>

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

Comments:

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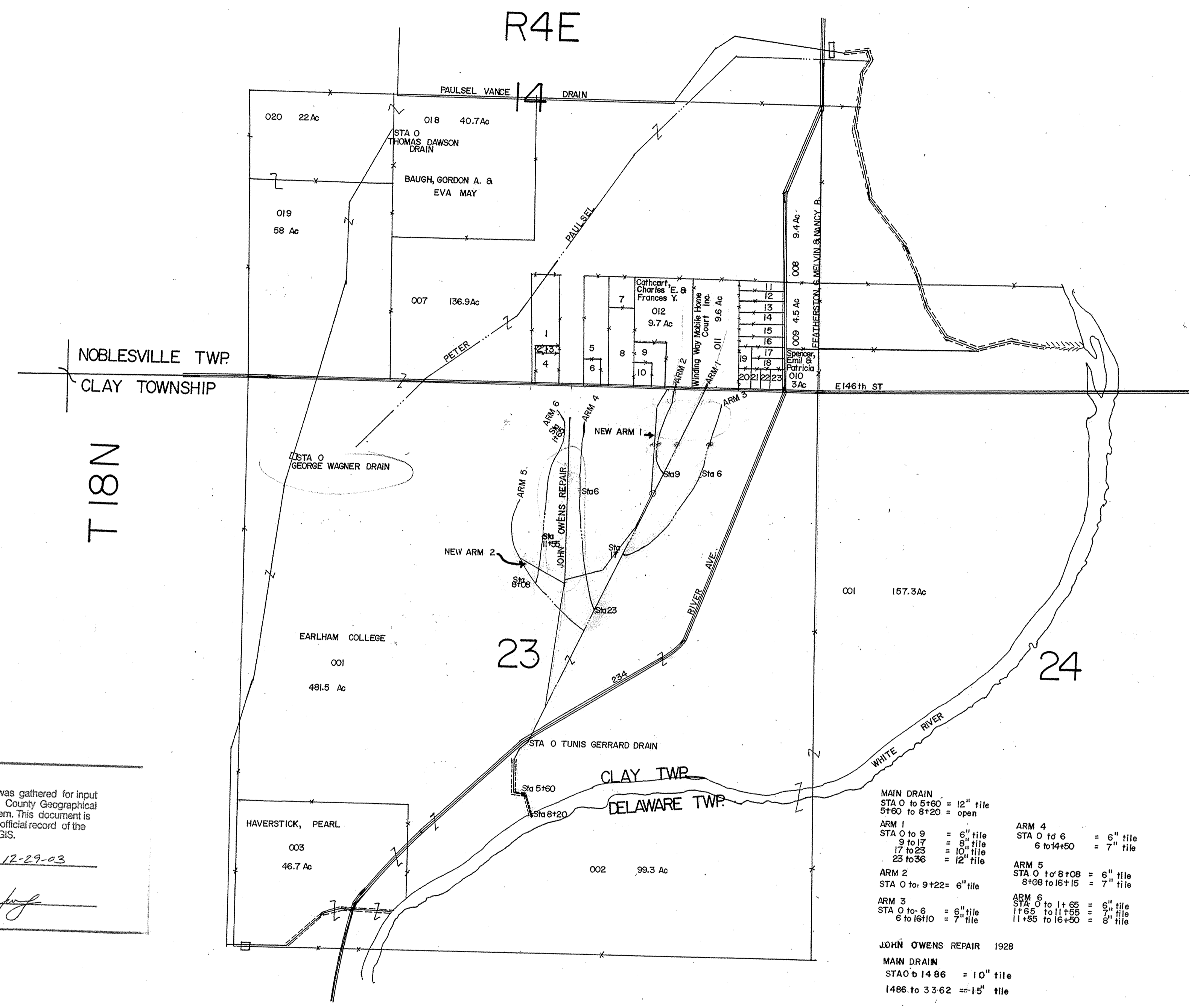
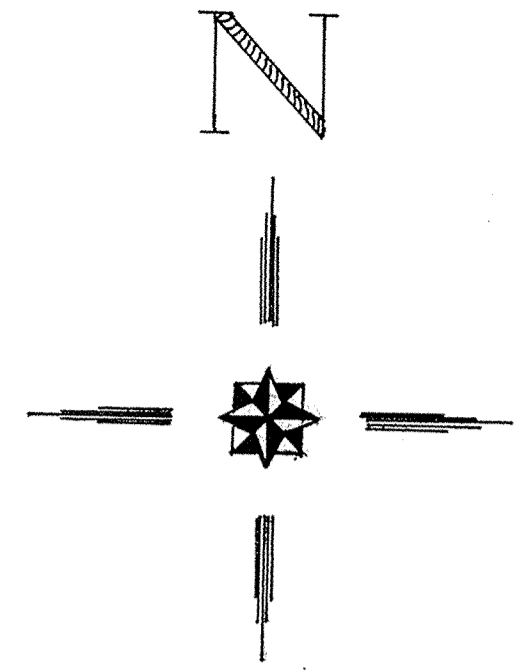


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Tunis Gerrard # 141



**SMALL TRACTS**

1.	FAITH, ROBERT M. & BETTY J.	10-14-04-01-001	3.6 Ac
2.	" " " "	002	.23
3.	" " " "	003	.28
4.	" " " "	004	.40
5.	MORRIS, JAMES M. & ALICE M.	10-14-00-00-017	1.40
6.	LEDMAN, FRANCIS L. & SARA L.	017.001	1.40
7.	BURROW, HILTON & CAROLYN	018	1.40
8.	HOLMES, HERSCHELL K. & M. JUANITA	019	1.40
9.	BAKER, MALCOLM M. & MILDRED M.	020	1.40
10.	" " " "	021	1.30
11.	SCATES, JAMES R. & JUDY K.	10-14-04-02-001	1.30
12.	PARKER, JAMES L. & WANDA K.	002	1.30
13.	KIRKPATRICK, JOHN C. & JOYCE	003	1.12
14.	WEST, DAVID A. & NORA K.	004	1.11
15.	WALDEN, LARRY G. & DEBORAH SUE	005	1.10
16.	ROBSON, JAMES A. & LORTHA R.	006	1.09
17.	HESS, LARRY R. & CYNTHIA	007	1.07
18.	GASCHO, HERBERT JR. & BRENDA E.	008	1.07
19.	GRABER, MICHAEL G. & SANDRA E.	009	1.07
20.	" " " "	010	1.07
21.	COX, DOUGLAS C. SR. & BETTE L.	011	1.07
22.	PROVENCE, JERRY N. & JANICE R.	012	1.07
23.	MOULTON, DALE R. & CHRISTIE L.	013	1.07

**LEGENDS**

ROAD	—————
RAILROAD	—————
PROPERTY LINE	—————
OPEN DRAIN	—————
TILE DRAIN	—————
NATURAL DRAIN	—————
PRIVATE DRAIN	—————
APPROX. DRAIN LOCATION	—————
ON/OFF LOCATION	—————
HEADWALL	—————
AERIAL PHOTO USED - 16+18	

PREPARED BY:  
 JANET M. GUFFEY  
 MAY 20, 1981

APPROVED BY:  
*Kenton L. Ward*  
 HAMILTON COUNTY SURVEYOR

This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 12-29-03

Entered by: [Signature]

**MAIN DRAIN**  
 STA 0 to 5+60 = 12" tile  
 5+60 to 8+20 = open

**ARM 1**  
 STA 0 to 9 = 6" tile  
 9 to 17 = 8" tile  
 17 to 23 = 10" tile  
 23 to 26 = 12" tile

**ARM 2**  
 STA 0 to 9+22 = 6" tile

**ARM 3**  
 STA 0 to 6 = 6" tile  
 6 to 16+10 = 7" tile

**ARM 4**  
 STA 0 to 6 = 6" tile  
 6 to 14+50 = 7" tile

**ARM 5**  
 STA 0 to 8+08 = 6" tile  
 8+08 to 16+15 = 7" tile

**ARM 6**  
 STA 0 to 1+65 = 6" tile  
 1+65 to 11+55 = 7" tile  
 11+55 to 16+50 = 8" tile

**JOHN OWENS REPAIR 1928**  
 MAIN DRAIN  
 STA 0 to 14 86 = 10" tile  
 1486 to 33 62 = 15" tile

**ARM 1**  
 STA 0 to 18 = 10" tile  
 18 to 22+62 = 12" tile

**ARM 2**  
 STA 0 to 420 = 10" tile

TUNIS GERRARD DRAIN SCALE - 1" = 660'

Re-viewers Report  
No. \_\_\_\_\_

IN THE MATTER OF

*Junio Garrard Ditch*

Report of <sup>Re-</sup>Ditch Viewers.

COMMISSIONERS' COURT.

*Dec 5 Reg 1900*

*Report Approved review  
Ordered to make final  
Report Dec. 22 1900*

*Henry Carpenter P B*

Filed

*Nov. 8 1900*

*Calvin Studeeaut*  
Auditor.

Wm. B. Burford, Printer, Indianapolis. 500-2-25-'99.

*ELLB/3-27-28-29*

# Re Viewers' Report of *Timis Garrard*.

Ditch.

To the Honorable Board of Commissioners of *Hamilton* County, Indiana:

We, the undersigned, appointed by this Court, at its *Oct Reg* Term, 1, to view a drain described in the certified copy of a petition and order of Court for a *drain*, by *Timis Garrard*, and others, handed us by the Auditor, would represent that according to said order we, on the day named therein, to wit: The *23rd* day of *Oct*, 1900, in company with *J. Mitchell*, a civil engineer, made an accurate survey of the line of said proposed *drain* from its source to its outlet. A plat of said *drain* 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 *\$130.00* 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 and convenience and that the cost of

the construction of said ditch will be less than the benefits to be derived therefrom, and we believe that said drainage can best be accomplished by tiling same from stake 0 to stake 5+60 and an open drain from 5+60 to 8+20 and that certain ditches now constructed and in place, and tributaries of said ditch, should be and are hereby made a part of this ditch and indicated as *Arm No 1, No 2, No 3, No 4, No 5, and No 6. (See pg 3.)*

The following statement shows who are benefited, the lands thereof and assessments 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.	Section.	Township.	Range.	Acres Assessed.	Faths Assessed.	Acres Benefited.	Faths Benefited.	Amount of Benefits.	Amount of Assessments.	From Station.	To Station.	Feet Long.	Cubic Yards to be Removed	Price per Cubic Yard.	Cost of Construction of Share.	
<i>John Williams</i>	<i>PT SW SE 14 18 4</i>				<i>22</i>		<i>5</i>		<i>10</i>	<i>\$20.00</i>	✓					<i>19.25</i>	
<i>Same</i>	<i>NE NW 23 18 4</i>				<i>40</i>		<i>9</i>		<i>10</i>								
<i>Asael Beals</i>	<i>PT SE SW SE 14 18 4</i>				<i>22</i>		<i>5</i>		<i>15</i>	<i>00.00</i>							
	<i>Or by work done</i>								<i>15</i>								
<i>Geo Warner</i>	<i>SE NW 23 18 4</i>				<i>40</i>		<i>12</i>		<i>120</i>	<i>25.00</i>	✓					<i>24.07</i>	
	<i>Or by work done</i>								<i>95</i>								
<i>Timis Garrard</i>	<i>NW NE 23 18 4</i>				<i>40</i>		<i>40</i>		<i>440</i>	<i>30.00</i>	✓					<i>28.89</i>	
	<i>SW NE 23 18 4</i>				<i>40</i>		<i>40</i>	<i>300</i>									
	<i>(Or for work done 1st disc)</i>								<i>420</i>								
	<i>" " " " 2nd "</i>								<i>290</i>								
<i>Mary E Dawson</i>	<i>East NE NW 23 18 4</i>				<i>40</i>		<i>12</i>		<i>25</i>	<i>25.00</i>						<i>24.07</i>	
<i>Charlotte Applegate</i>	<i>PT NW SE 23 18 4</i>				<i>27</i>		<i>11</i>		<i>40</i>	<i>15.00</i>	✓					<i>14.45</i>	
	<i>Or for work done</i>								<i>25</i>								
<i>Noblesville Township</i>	<i>Pub. Hy. Township line between 14 23 18 4</i>								<i>35</i>	<i>20</i>							
	<i>Credit 15</i>								<i>15</i>								
										<i>\$135.00</i>							

*13000*

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

STATIONS.	WIDTH AT TOP.		DEPTH OF CUT.		WIDTH AT BOTTOM.		WIDTH OF CLEARING OR TIMBER.
	Feet.	Inches.	Feet.	Fenths.	Feet.	Inches.	
<i>Description</i>							
<p><u>Main Ditch.</u> Commencing at a point about forty rods south and 12 ft. east of center of Section 23 Township 18 North range 4 east of the 2nd principal Meridian running thence, S. 57° W. 100 feet, thence S 27° W. 100 ft., thence south 300 feet, thence S 80° E 150 feet, thence S. 18° E 220 feet and terminating at a point 3 rods NW. of the N. E. corner of sec. 14 Twp. 18 north Range 4 east.</p>							
<p><u>Arm No. 1.</u> Commencing at a point 60 rods and 16 links west of the N. E. corner of sec. 14 Twp. 18 north Range 4 east. thence in a southerly direction and enters main ditch at its source.</p>							
<p><u>Arm No. 2.</u> Commencing at a point 17 rods west of the beginning of Arm No. 1. running thence in a southerly direction about 60 rods and enters Arm No. 1.</p>							
<p><u>Arm No. 3.</u> Commencing at a point 53 rods and 8 rods south of the S. E. corner of section 14 Twp. 18 north range 4 east, thence in a southerly direction about 70 rods and enters Arm No. 1.</p>							
<p><u>Arm No. 4.</u> Commencing at a point 30 rods east and 20 rods south of the N. V. corner of the N. E. 1/4 of Sec. 23 Twp. 18 N. R. 4 east. run thence in a southerly direction about 80 rods and enters Arm No. 1.</p>							
<p><u>Arm No. 5.</u> Commencing at a point 13 rods north and 3 rods west of the NW of south half of the N. E. 1/4 of Sec. 23 Twp. 18. range 4 east thence a south and westerly direction and enters Arm No. 1.</p>							
<p><u>Arm No. 6.</u> Commencing at a point 15 rods east and 15 rods south of the N. W. corner of the N. E. 1/4 of Sec. 23 Twp. 18 North range 4 east, thence in a southerly direction about 90 rods and enters Arm No. 5.</p>							

GENERAL SPECIFICATIONS AND SUGGESTIONS.

The length of the Main ditch as located is 820 feet  
 The fall of the established grade is 7 1/100 feet, from Station 0 to Station 7 to 150 feet.  
6 1/100 " " " " 7 " " " " 8+20 " " " "

The total fall is 5 6/100 feet to the entire ditch.

The Main Ditch consists of 1 row of 12 inch tile from stake 0 to stake 5+60 and an open ditch 1 foot wide in bottom with side slopes 1 to 100 45° from 6+40 to 8+20. There is to be a retaining wall of stone built at station 6+40 so constructed as to receive the tile at the proper grade and 1 1/2 foot above the base of the wall.

Dimensions of wall 24 x 42 x 2 feet.  
 There is to be four (4) points of sewer tile used at the end of tile portions instead of the drain tile.  
 All tile used must be 1st class in every respect and laid in ditch in a true line and at the proper grade with joints well matched and shall be left uncovered until inspected by the engineer in charge after being inspected and accepted by the engineer, the tile must be covered by placing all earth excavated in and over the line of the ditch and in such places that this is not sufficient there must be a fill made to the depth of 20 inches over the tile.

The open ditch must be cut to grade, with the banks cut smooth. All work must be done in a workmanlike manner, and to the full satisfaction of the engineer. The viewers would further report that we do not believe it to be practicable to allot said ditch for construction for the reason that we believe the work can be better done and at less cost by selling the ditch for construction than to allot it, and we recommended that Auditor sell the same in accordance with the law made and provided in such cases. The timber to be despoiled for 15 ft on each side of ditch.

W. J. Crawford  
 Ed. Murphy  
 O. C. Elliott

Subscribed and sworn to before me, this 8 day of Nov. 1900  
 Calvin Sturdevant Auditor Hamilton County.



**Drain:** TUNIS GARLAND **Drain #:** 141  
**Improvement/Arm:** JOHN OWENS RECONSTRUCTION  
**Operator:** J. LIVINGSTON **Date:** 12-29-03  
**Drain Classification:** Urban/Rural **Year Installed:** 1928

### GIS Drain Input Checklist

- Pull Source Documents for Scanning JL
- Digitize & Attribute Tile Drains JL
- Digitize & Attribute Storm Drains \_\_\_\_\_
- Digitize & Attribute SSD \_\_\_\_\_
- Digitize & Attribute Open Ditch JL
- Stamp Plans \_\_\_\_\_
- Sum drain lengths & Validate JL
- Enter Improvements into Posse \_\_\_\_\_
- Enter Drain Age into Posse JL
- Sum drain length for Watershed in Posse JL
- Check Database entries for errors JL

**Gasb 34 Footages for Historical Cost**  
**Drain Length Log**

Drain-Improvement: TUNIS GARDEN - JOHN OWENS

Drain Type:	Size:	Length ( )	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
TILE	10"	1486'	1486'		3. <sup>00</sup> /lf	4458. <sup>00</sup>
	15"	1876'	1876'		5. <sup>00</sup> /lf	9380. <sup>00</sup>
OPEN DITCH	-	200'	200'		19. <sup>55</sup> /lf	3910. <sup>00</sup>
ARM 1 TILE	10"	1800'	1800'		3. <sup>00</sup> /lf	5400. <sup>00</sup>
	12"	462'	462'		4. <sup>00</sup> /lf	1848. <sup>00</sup>
ARM 2 TILE	10"	420'	420'		3. <sup>00</sup> /lf	1260. <sup>00</sup>

Sum: 6244' 6244' \$26256.<sup>00</sup>

Final Report: 6244'

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Report of Viewers John Owens et al. DR 4 Pg 240  
 Apportionment for Keeping & Repair the Tunis Garard

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 Acres Hund.	AMOUNT OF BENEFITS Dols. Cts.	
				State of Indiana } Hamilton County } SS	In Commissioners Court, In the matter of the petition of John Owens et al. for Repair of Tunis Garard Drain, Report of Drainage Commissioners & Engineers. To the Honorable Board of Commissioners Hamilton County We the undersigned Commissioners of Drainage and the Engineers to whom the above entitled petition for drainage of certain lands in Noblesville & Delaware Townships Hamilton County, Indiana, was referred. We would respectfully report that we met on the line of said proposed John Owens Drain, on the 9th day of November 1827, qualified and proceeded to view said Drain and lands effected thereby. After a carefull investigation of the condition of said Drain, we are of the opinion that said Drain should be repaired and in a 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 a public utility, and will benefit highways, also that the cost of constructing and repair, damage and expense of effecting said Drain will be less than the benefits to the lands effected by said Drainage. That we definitely determined the best and cheapest method of effecting the Drainage of such lands, we have fixed the route location & character of said proposed work and have fixed the same by metre and bounds, course, distances, descriptions and guides and Bench Marks, for a complete outlet for the Drainage of said lands effected by said proposed Work; That we divided the Ditch into sections of not more than 100 feet in length by setting stakes at each 100 feet. That the best and cheapest method of effecting the Drainage to the lands effected would be by the construction of a New Main Drain and Two New Arms, and connecting the Ditches now in place and known as part of the Tunis Garard Ditch and arms, by means of Wyes, Connecting Boxes Manholes and Catch Basins.						

DITCH, BY W. W. DAKES COUNTY SURVEYOR, May 30 1928

ORIGINAL SPECIFICATIONS			DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE
Width at Top	Depth of Cut	Width at Bottom	
			<p>Said New Main Ditch to begin at a point 362 feet East and 290 feet South of the Northwest Corner of the Northeast quarter of Section 23, Township 18 North, Range 4 East. Run Thence South 30 minutes East 1486 feet Thence South 12 degrees and 30 minutes West 790 feet, to and entering a 15 inch tile drain now in place and constructed by JOHN OWENS as an outlet to said land affected, Thence South in said drain 1086 feet, accepting said 15 inch drain as sufficient and making same a part of said New Drain, Thence continuing South about 30 degrees West with an open channel 2 foot wide in bottom for a distance of 200 feet and terminating about 64 Rods South and about 8 Rods West of center of Section 23, Township 18 North, Range 4 East.</p> <p>Said Main Ditch to consist of One Row of 10 inch tiles from Stake 0 to Stake 14+86, Then One Row of 15 inch sewer pipe to Station 22+76. Said pipe to be furnished by John Owens the owner of the land on which said portion of Ditch is located, said Owens to have credit for said tiles, and the construction of said drain in a whole from Station 22+76 to Station 33+62 against his assessment for construction.</p> <p>Said New Main Ditch to have a Catch Basin at Sta 14+86 into which shall be connected New Arm No. 1. and Arm No. 1. of the original Tunis Gerard Drain, both ways. At or near Station 22 where said New Main Ditch crosses Arm No. 1. of original Tunis Gerard Ditch they shall be connected both ways by means of Wyes or connecting Boxes.</p> <p>New Arm No. 1. To begin at a point 889 feet East and 16 feet North of the Northwest corner of the Northeast quarter of Section 23 Township 18 North Range 4 East, and Run thence South 30 degrees West 200 feet; Thence South 2 degrees West 772 feet; Thence South 25 degrees West 328 feet; Thence South 36 degrees West 500 feet; Thence 74 degrees West 462 feet and enter Main Ditch at Catch Basin, Said Arm to consist of One Row of 10 inch Tiles from Stake 0 to Stake 18. and One Row of 12 inch tiles from Stake 18 to Stake 22+62 or terminus, At Station 9+72 on said Arm, there shall be constructed a Man Hole, Built of concrete, in to which shall be connected both ways. All intersecting Ditches, also at or near Station 8+23 and 18, Ditches intersecting or near said points shall be connected by means of Wyes.</p>

Use a Barford Blank Book Mfg. 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.	
					New Arm No 2, or supplement to Arm No 5 of Tunis Garard Ditch to begin at Station 9+94 of said Arm No 5 about 587 feet South and 10 feet West of the Northeast Corner of the Southeast quarter of the Northwest quarter of Section 23 Township 18 North Range 4 East, and Run Thence South 60 degrees East 420 feet and connect to Main Ditch by means of a Wye at Station 18+20, on said Main Ditch, Said Arm to consist of One Row of 10 inch tile, from source to outlet, At Station 10+50 of said Arm, There shall be a Wye connection to receive Arm No. 6 of Tunis Garard Ditch								
					The work will be staked out by the Engineer and his stakes must be carefully preserved and followed, The Digging of each & every portion of the Ditch must be at its outlet, or its junction with another tile drain towards its upper end.								
					The ditch to be dug along one side of the line of 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 tiles must begin at the lower end and proceed up stream. The tiles must be laid as closely as practicable and in line free from crooks, the pieces being turned about until the upper course, unless there is sand of fine silt which is likely to run into the tiles, in which case the lower edge must be laid down and the upper side covered with clay or other material. When making turns or by other unavoidable reasons a crack of one fourth (1/4) inch or more is necessarily left, it must be securely covered with broken pieces of tiles or by other indestructible material. Junctions with branch lines must be carefully and securely made. After the tiles have been laid and inspected by the Engineer or his representatives, they must be covered with earth excavated from the trench, or borrowed clay or soil.								
					When 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 when 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.								

## ORIGINAL SPECIFICATIONS

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

in no case must the tiles 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 tiles,

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 tiles, 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 drains.

All Tile and material used in the construction of this drain and its tributaries thereto, include 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 part sand and three part 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 place 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.

DITCH, BY

COUNTY SURVEYOR,

10

## ORIGINAL SPECIFICATIONS

Width at  
TopDepth of  
CutWidth at  
Bottom

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

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 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.

L. M. Stultz,  
P. O. Duncan  
Viewers

E. A. Baker  
Engineer

Subscribed and sworn to before me this 30 day of March 1928.

O. M. Applegate  
Auditor of Hamilton County,