

**Drain:** MALLOTT-CARSON      **Drain #:** 65  
**Improvement/Arm:** \_\_\_\_\_  
**Operator:** J. LIVINGSTON      **Date:** 3-17-04  
**Drain Classification:** Urban/Rural      **Year Installed:** 1889

### 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 \_\_\_\_\_

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

Drain-Improvement: MALLOTT-CARSON

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
TILE - 1889	6"	740'	740'		1. <sup>00</sup> = /lf	740. <sup>00</sup> =
	9"	560'	560'		3. <sup>00</sup> = /lf	1680. <sup>00</sup> =
	10"	700'	700'		3. <sup>00</sup> = /lf	2100. <sup>00</sup> =
	1x8"	600'	600'		2. <sup>00</sup> = /lf	3000. <sup>00</sup> =
	1x10"					
	2x10"	100'	100'		3. <sup>00</sup> = /lf	600. <sup>00</sup> =
TILE - 1962	12"	650'	650'		4. <sup>00</sup> = /lf	2600. <sup>00</sup> =
	16"	200'	200'		5. <sup>50</sup> = /lf	1100. <sup>00</sup> =
	20"	1000'	1000'		8. <sup>00</sup> = /lf	8000. <sup>00</sup> =
	18"	1500'	1500'		6. <sup>50</sup> = /lf	9750. <sup>00</sup> =

Sum: 6050' " " 6050' \$29,570.<sup>00</sup> =

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

Comments:

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No. ....

IN THE MATTER OF

*Mitchell & Sarah Dean*

REPORT OF DITCH VIEWERS,

COMMISSIONERS' COURT.

*Dec 4<sup>th</sup> Regn Term 1889  
Report examined and approved  
and Ditch Ordered Constructed  
No 6, John Beal P.B.*

Filed ....., 18.....

Auditor.

Sentinel Printing Co., Indianapolis.

*802/ 5 183.*

# Viewer's Report of

*Ditch & Drain*

# Ditch.

TO THE HONORABLE BOARD OF COMMISSIONERS OF

*Hamilton*

COUNTY, INDIANA:

We, the undersigned, appointed by this Court, at its *September* Term, 18 *89*, to view a drain described in the certified copy of a petition and order of Court for a *Ditch*, by *Joe Malott, Amos Carson* 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*, 18*89*, in company with *C. J. Fink*, 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 *1*". 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 *One thousand fifty One*  $\frac{81}{100}$  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 - conducive to health and will benefit two public highways.*

Description of Ditch - Begin 10 rods South and 8 rods west of the N.E. Corner of the S.E. 1/4 of the 36<sup>th</sup> Section 32 T. 29 S. R. 4. thence N 68° W 100 ft. - West 100 ft. - S 74° W 100 ft. - S 84° W 100 ft. - N 71° W 100 ft. - N 77° W 100 ft. - N 58° W 130 ft. - N 29° W 430 ft. - North 70 ft. - N 39° E 430 ft. - N 2° E 350 ft. - N 16° 30' W - 100 ft. - N 56° W 100 ft. - N 44° W 100 ft. - N 39° W 100 ft. - N 30° W 200 ft. - North 100 ft. + N 41° W 200 ft. - N 61° W 260 ft. - North 390 ft. - N 15° W 350 ft. - N 22° W 200 ft. - N 43° W 240 ft. - N 26° 30' W 750 ft. - N 48° 30' W 535 ft. - N 35° W 490 ft. - North 110 ft. Ends in *7<sup>th</sup> Baker Drain* about 80 rods north of the S.E. Cor. of the *36<sup>th</sup> Sec. 29 T. 29 S. R. 4.*

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.	Section.	Township.	Range.	Acres Assessed.	Acres this Assessed.	Acres Benefited.	Acres this 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>J. M. Snyder Sr</i>	<i>SE 32 20 4 40</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>40</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>30.00</i>		<i>57+22 to 60</i>	<i>78</i>	<i>27</i>	<i>12 1/2</i>	<i>16.66</i>	
<i>M. A. Myers</i>	<i>NE 32 20 4 40</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>40</i>	<i>16 2/3</i>	<i>16 2/3</i>	<i>16 2/3</i>	<i>310.00</i>		<i>48+28 to 57+22</i>	<i>1094</i>	<i>523</i>	<i>"</i>	<i>258.36</i>	
<i>Same</i>	<i>NE 32 20 4 27</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>27</i>	<i>16 2/3</i>	<i>16 2/3</i>	<i>16 2/3</i>	<i>310.00</i>		<i>48+28 to 57+22</i>	<i>1094</i>	<i>523</i>	<i>"</i>	<i>258.36</i>	
<i>J. B. Malott</i>	<i>NE 32 20 4 40</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>40</i>	<i>23</i>	<i>23</i>	<i>23</i>								
<i>Same</i>	<i>SE 32 20 4 40</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>40</i>	<i>40</i>	<i>40</i>	<i>40</i>								
<i>Same</i>	<i>W 1/2 W 1/2</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>40</i>	<i>17</i>	<i>17</i>	<i>17</i>	<i>498.00</i>		<i>23+48 to 48+28</i>	<i>1980</i>	<i>784</i>	<i>"</i>	<i>415.05</i>	
<i>Same</i>	<i>S 1/2 E 1/2 W 1/2</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>20</i>	<i>3.1</i>	<i>3.1</i>	<i>3.1</i>								
<i>W. B. McConnell</i>	<i>SW 32 20 4 40</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>40</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>10.00</i>		<i>28+2 to 28+48</i>	<i>46</i>	<i>19</i>	<i>"</i>	<i>8.33</i>	
<i>Moses Orbaugh</i>	<i>SW 32 20 4 40</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>40</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>5.00</i>		<i>27+30 to 28+2</i>	<i>22</i>	<i>10</i>	<i>"</i>	<i>4.17</i>	
<i>Calvin Carson</i>	<i>NE 32 20 4 10 25/100</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>10 25/100</i>	<i>10 25/100</i>	<i>10 25/100</i>	<i>10 25/100</i>	<i>65.00</i>		<i>24+03 to 27+02</i>	<i>299</i>	<i>128</i>	<i>"</i>	<i>54.17</i>	
<i>John J. Carson</i>	<i>SE 32 20 4 10 50/100</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>10 50/100</i>	<i>10 50/100</i>	<i>10 50/100</i>	<i>10 50/100</i>	<i>65.00</i>		<i>24+02 to 24+03</i>	<i>301</i>	<i>138</i>	<i>"</i>	<i>54.17</i>	
<i>Edith A. Carson</i>	<i>SE 32 20 4 11</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>11</i>	<i>11</i>	<i>11</i>	<i>11</i>	<i>65.00</i>		<i>18+10 to 24+02</i>	<i>352</i>	<i>164</i>	<i>"</i>	<i>54.17</i>	
<i>Juliet Sims</i>	<i>SE 32 20 4 9 25/100</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>9 25/100</i>	<i>9 25/100</i>	<i>9 25/100</i>	<i>9 25/100</i>	<i>65.00</i>		<i>13+98 to 18+10</i>	<i>412</i>	<i>190</i>	<i>"</i>	<i>54.17</i>	
<i>D. W. Revis</i>	<i>SW 32 20 4 27</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>27</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>3.00</i>		<i>27+02 to 27+01</i>	<i>9</i>	<i>4</i>	<i>"</i>	<i>1.67</i>	
<i>Eliza J. James</i>	<i>SW 32 20 4 3</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>3</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>2.00</i>		<i>27+01 to 27+00</i>	<i>9</i>	<i>4</i>	<i>"</i>	<i>1.67</i>	
<i>Amos Carson</i>	<i>SE 32 20 4 20</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>20</i>	<i>20</i>	<i>20</i>	<i>20</i>	<i>130.00</i>		<i>0 to 13+98</i>	<i>1398</i>	<i>309</i>	<i>"</i>	<i>108.35</i>	
<i>Jackson Township Public Highway</i>	<i>N 1/2 Sec 32 20 4</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>20</i>	<i>20</i>	<i>20</i>	<i>20</i>	<i>20.00</i>		<i>60 to 60</i>	<i>60</i>	<i>30</i>	<i>"</i>	<i>20.55</i>	
<i>Same</i>	<i>E 1/2 Sec 32 20 4</i>	<i>32</i>	<i>20</i>	<i>4</i>	<i>20</i>	<i>20</i>	<i>20</i>	<i>20</i>	<i>20.00</i>		<i>60 to 60</i>	<i>60</i>	<i>30</i>	<i>"</i>	<i>20.55</i>	

# Viewers' Report of Malott & Carson 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.																																																																																																														
<p><i>Ditch to be tiled as follows,</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 15%; text-align: center;">From Station</td> <td style="width: 15%; text-align: center;">0</td> <td style="width: 15%; text-align: center;">to</td> <td style="width: 15%; text-align: center;">Station</td> <td style="width: 15%; text-align: center;">7+40ft.</td> <td style="width: 20%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">One row six inch Tile</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">"</td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">7+40ft</td> <td style="text-align: center;">to</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">13</td> <td style="text-align: center;">"</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">13</td> <td style="text-align: center;">to</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">20</td> <td style="text-align: center;">"</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">20</td> <td style="text-align: center;">to</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">26</td> <td style="text-align: center;">One row Eight &amp; One row Ten "</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">26</td> <td style="text-align: center;">to</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">36</td> <td style="text-align: center;">Two rows Ten inch Tile</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">36</td> <td style="text-align: center;">to</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">35</td> <td style="text-align: center;">"</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">35</td> <td style="text-align: center;">to</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">"</td> <td style="text-align: center;">61</td> <td style="text-align: center;">One row Ten &amp; One row Twelve "</td> </tr> </table> <p style="margin-top: 10px;"> <i>Bottom of ditch to be evenly surfaced, tile laid, and to be inspected before being covered.</i>  <i>Tile to be hard burned, and free of flaws.</i>  <i>There is to be a drop of 6 inches from bottom of tile at mouth of ditch to bottom of Baker Ditch.</i>  <i>All work to be done in a workman like manner and to the acceptance of the Engineer.</i> </p>									From Station	0	to	Station	7+40ft.								One row six inch Tile			"		"	7+40ft	to						"	13	"						"	13	to						"	20	"						"	20	to						"	26	One row Eight & One row Ten "						"	26	to						"	36	Two rows Ten inch Tile						"	36	to						"	35	"						"	35	to						"	61	One row Ten & One row Twelve "
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**GENERAL SPECIFICATIONS AND SUGGESTIONS.**

The length of the ditch as located is ~~270~~ feet, from Station ~~41~~ to Station ~~68~~, is ~~27~~ feet, from ~~68~~ to ~~75~~ is ~~7~~ feet.

The fall of the established grade is ~~20~~ feet, from Station ~~41~~ to ~~51~~ and ~~50~~ from ~~51~~ to ~~62+53~~ from ~~62+53~~ to ~~75~~ is ~~18~~ feet.

The total fall is ~~13 67~~ feet to the ~~Ohio~~.

Fall is ~~20~~ from 0 to 35  
 " " ~~20~~ " 35 to 61

*B. J. Cunningham*  
Engineer.

Viewers } *R. A. Worley*  
           } *Charles Hershey*  
           } *Jonathan Willits*

Subscribed and sworn to before me, this 29 day of October, 1889

*W. J. Johns* Auditor, Hamilton County.

CARSON-SNYDER DRAINAGE

PRELIMINARY REPORT

And

PLAN OF OPERATIONS

Hamilton Co., Ind.

Oct. 22, 1962

Prepared by:

SOIL CONSERVATION SERVICE

Engineer

Work Unit Conservationist

Approved by:

SOIL CONSERVATION SERVICE

Brian M. Dickerson  
Area Engineer

James W. Rudy  
Area Conservationist

# CARSON-SNYDER DRAINAGE

## Preliminary Report and

## Plan of Operations

Hamilton Co., Ind.

Oct. 22, 1962

### GENERAL CONSERVATION NEEDS

The major soil types in this watershed are Brookston, Crosby and Celina. By their characteristics, these soils have the major problem of imperfect internal drainage. Adding to the imperfect internal drainage problem are the several depressional areas that do not surface drain. Because of the deep cuts involved, surface drainage is not considered practical. Tile drainage is feasible and a practical way of improving the cropland in this watershed. This proposed drainage solution will provide an adequate general agricultural drainage outlet.

The open drain reconstruction is necessary to provide an adequate outlet for the tile main.

Other conservation practices applicable to this watershed besides drainage include proper crop rotations, use of crop residues, cover crops, and adequate fertility applications.

### LOCATION

This project involving six farms is located in Hamilton Co., Jackson Twp., Sec. 32, T20N, R4E, about  $3\frac{1}{2}$  miles west and 1 mile north of Cicero, Indiana.

### PURPOSE

This report and detailed plans for Carson-Snyder Drainage Project is submitted following your approval of preliminary report previously discussed.

### CONSTRUCTION

1. Clearing, Sta. 10+00 to 18+00 and 32+00 to 38+00 1 Acre, Clear and File.
2. Open Ditch, Excavate and Spread Spoil Sta. 2+00 to 10+00 416 Cu. Yds.
3. Main Tile Drain, Sta. 10+00 to 25+00, 1500 Ft. of 18" Drain Tile.
4. Sta. 25+00 to 35+00, 1000 Ft., 20" Drain Tile.
5. Sta. 35+00 to 37+00, 200 Ft., 16" Drain Tile.
6. Sta. 37+00 to 43+50, 650 Ft., 12" Drain Tile.
7. Sta. 21+00 Surface Inlet TEE 18" to 15" with 6 Ft. Bell Tile Riser and Flat Gate.
8. Sta. 35+00 Surface Inlet TEE 20" to 18" with 3 Ft. Bell Tile Riser and Flat Gate.
9. Sta. 43+50 Surface Inlet Tee 12" to 10" with 4 Ft. Bell Tile Riser and Flat Gate.
10. Sta. 21+00 Fitting 18" to 20".
11. Sta. 35+00 Fitting 20" to 16".
12. Sta. 37+00 Fitting 16" to 12".

## ENGINEERING

This drainage project was designed by the Area Engineering Staff of the Soil Conservation Service and the recommended solution of problems meets the standards and design specifications set forth by the Service. This report and the accompanying detailed plans for the project are to be followed as specified and any deviation therefrom must first have the approval of the engineer in charge.

### OPEN DITCH SPECIFICATIONS

The entire project consists of excavating approximately 416 cubic yards over 800 lineal feet of ditch.

The yardage of earth to be excavated is estimated and shown in the detail plans by reaches along the profile of the ditches. No extra compensation will be paid for such excavation in excess of the earth removals herein estimated. This is an estimate which has been made from cross sections of the proposed ditches, but the contractor should view the work to his own satisfaction.

The right-of-way for this ditch shall be that necessary for proper clearing, excavation, and leveling of spoil in accordance with specifications and plans.

The bottom width of the open ditch will be four feet throughout the entire length.

The side slopes of the ditch will be  $1\frac{1}{2}$  to 1 throughout the entire length.

The excavated material shall be placed in such a manner as to allow a berm of 10 feet in width between spoil bank and the finished bank of the ditch.

The spoil bank shall be leveled so that its side slopes are no greater than 4 to 1 and with a maximum height of  $1\frac{1}{2}$  feet.

All work performed shall meet with the approval of the engineer in charge.

### TILE SPECIFICATIONS

All tile installed shall be of standard quality or better as designated by the American Society for Testing Materials. Must meet ASTM specification C4-55T.

Alignment: A minimum radius of 50 feet shall be used on curves to change horizontal direction. Where the gap between tiles on the outer side of a curved line exceeds  $1/4$  inch it shall be covered with broken pieces of tile. Junction boxes can be used at changes of horizontal direction in order to eliminate sharp or long curves.

Connections: Manufactured connections or branches for joining two tile lines shall be used. If connections are not available, the junction shall be chipped and fitted. Plans and specifications shall provide for sealing the connection with mortar. Laterals shall be connected into the main tile at the mid-point of the tile.



Joints: The gap between tiles shall be about 1/8 inch unless the soil is sandy; then the width of the gap shall be reduced to a tight fit. When the gap is over 1/8 inch in sandy soils and 1/4 inch in clay soils, the opening shall be covered with pieces of broken tile. When tile is laid in water-sand, or fine sand, the snugest fit possible shall be obtained. The joints shall be wrapped with burlap, building paper, or other acceptable material to prevent the material from entering the drain. Cradling may be necessary to preserve the alignment of the tile. The planning technician will provide detail specifications for cradling.

Blinding: As soon as the tiles are placed and inspected, they shall be "blinded" by covering them to a depth of 6 to 12 inches with loose, mellow topsoil shaved from the sides of the trench. All tile laid shall be blinded by the end of the day's work.

Swinging gates or some type of screen on all outlets to exclude animals shall be used unless the outlet is so located that it would be impossible for rodents to enter the tile at the outlet end.

Where the depth of backfill over the tile is more than 5 feet the trench will be backfilled approximately one-half as soon as possible after laying the tile and given time to settle before the remaining backfill is completed.

#### CONTRACTOR

The contractor is hereby granted right-of-ways on this drainage project and ingress and egress from roads in accordance with attached right-of-ways permits signed by the abutting landowners.

The contractor shall furnish and use machinery properly equipped to work of this character as herein set out and to accomplish the progress specified. The dragline used on this work shall have a one-half cubic yard bucket or more.

The contractor shall, at all times during his absence from the work, have a competent foreman upon the job to whom orders and instructions may be addressed or delivered.

The contractor shall provide his workmen with compensation insurance and shall protect the Association and all of its officers and members against claims for personal injuries and property damage due to accident or negligence on the part of the contractor or his workmen.

#### LANDOWNER

The landowners will remove all fences within the right-of-way which will interfere with or retard the work of construction. The landowners will also replace these fences.

#### CHECKS AND INSPECTIONS

The necessary checking to see that the conditions of the contract and specifications are met with shall be done by a competent engineer selected by the

Association. All work shall, at all times, be open to the inspection, acceptance, or rejection by the authorized representative of the Association.

Any work rejected by the authorized representative of the Association shall immediately be rebuilt by the contractor without extra charge.

#### MAINTENANCE

Any siltation, to the extent of hindering drainage, should be removed from open ditch as soon as possible. Woody growth should be controlled by spraying bi-annually with chemical for woody growth control. The life of the open ditch can be increased by protecting from livestock, fertilizing, and seeding the ditch banks with fescue and applying seaside bent along water's edge to a point two feet above.

Any defects in the tile systems should be repaired immediately upon detection.

ESTIMATED COST

CLEARING

Station 10+00 to 18+00 and Station 32+00 to 38+00 Scattered Clearing  
80 Wide Clear and File 1 Acre \$ 400.00

OPEN DITCH

Station 2+00 to 10+00 Excavate and Spread Spoil  
416 Cu. Yds. @ 30¢ 124.80

MAIN TILE DRAIN

Station 10+00 to 25+00 = 1500 Ft. of 18" Drain Tile @ \$2.08 per ft.	3120.00
Station 25+00 to 35+00 = 1000 Ft. of 20" Drain Tile @ \$2.38 per ft.	2380.00
Station 35+00 to 37+00 = 200 Ft. of 16" Drain Tile @ \$1.46 per ft.	292.00
Station 37+00 to 43+50 = 650 Ft. of 12" Drain Tile @ \$0.91 per ft.	591.50

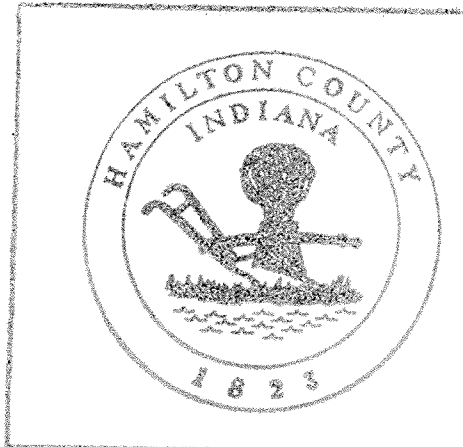
SURFACE INLETS

Station 21+00, 18" to 15" TEE, 6 Ft. of Bell Tile Riser, and Flat Grate	15.00
Station 35+00, 20" to 18" TEE, 3 Ft. of Bell Tile Riser and Flat Grate	16.50
Station 43+50, 12" to 10" TEE, 3 Ft. of Bell Tile Riser and Flat Grate	9.50

FITTINGS

Station 21+00, <u>Fitting</u> (Straight) 18" to 20"	7.60
Station 35+00, <u>Fitting</u> (Straight) 20" to 16"	7.60
Station 37+00, <u>Fitting</u> (Straight) 16" to 12"	5.55

Estimated Cost \$ 6970.05



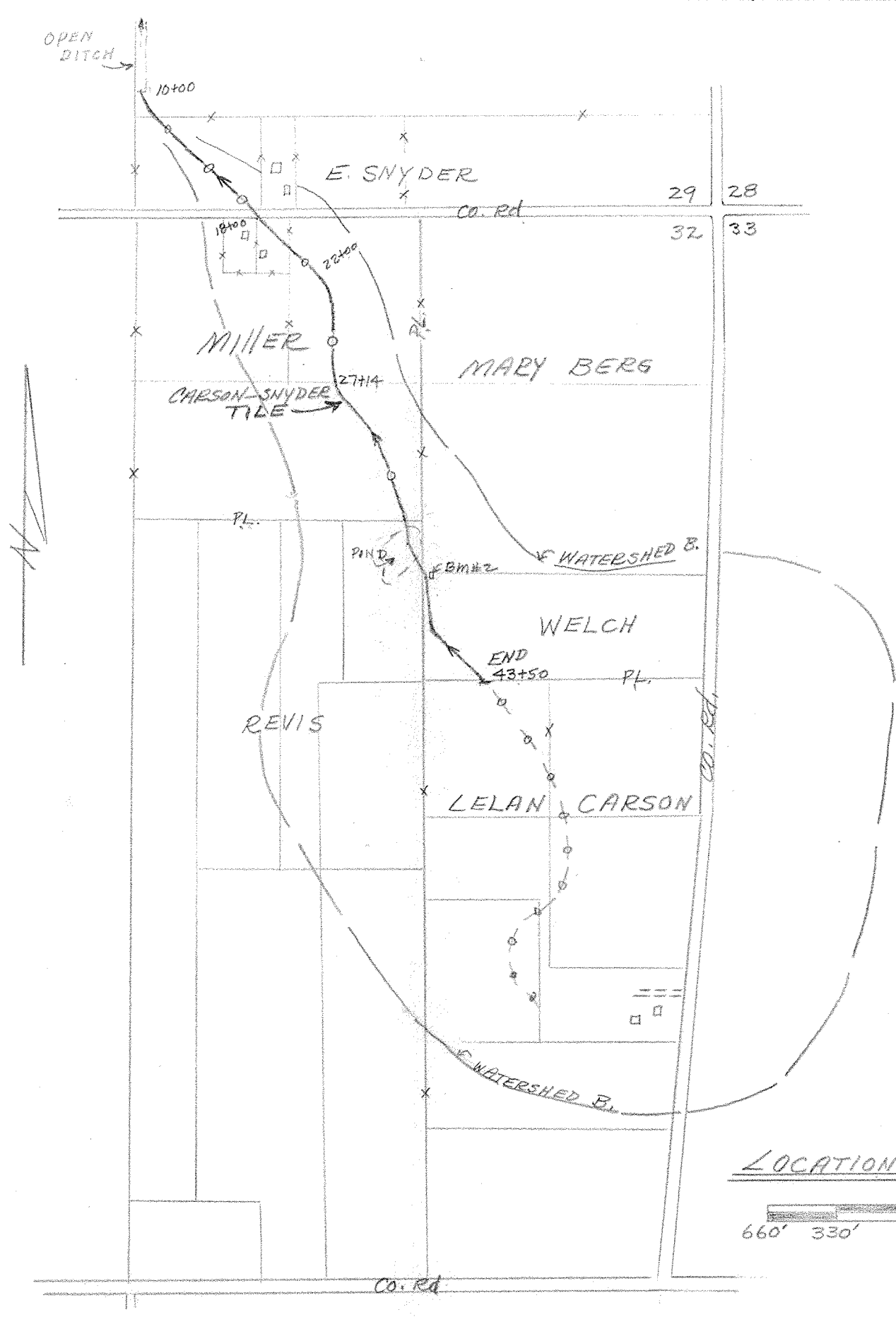
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Entry Date: 3-17-04

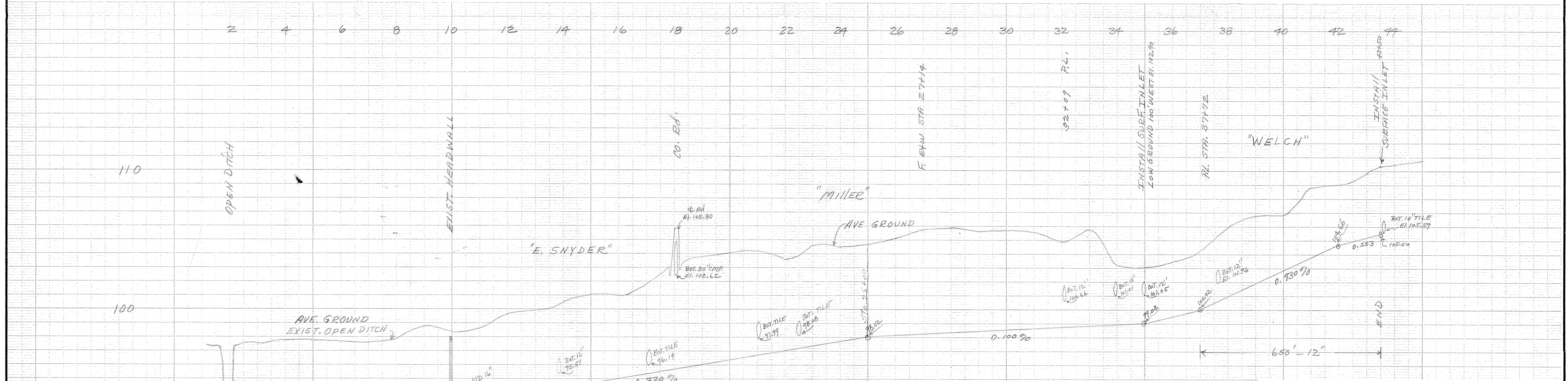
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As BUILT  
Rec 10-30-62

BENCH MARK DATA  
 BM#1 NAIL WEST SIDE 8"x8" CORNER POST NEAR STATION 11+00 EL. 100.00  
 BM#2 NAIL SOUTH SIDE 8"x8" END POST NEAR STATION 37+45 IN PL. FENCE EL. 106.19



- QUANTITIES
- 1500' - 18" DRAIN TILE
  - 1000' - 20" " "
  - 200' - 16" " "
  - 650' - 12" " "
- SURFACE INLETS
- TEE - 18" TO 15" WITH 6 FT. BELL TILE RISER AND FLAT GRATE
  - TEE - 20" TO 18" " 3 FT. " " RISER AND FLAT GRATE
  - TEE - 12" TO 10" " 4 FT. " " RISER AND FLAT GRATE
- FITTINGS
- STRAIGHT FITTING 18" TO 20"
  - " FITTING 20" TO 16"
  - " FITTING 16" TO 12"



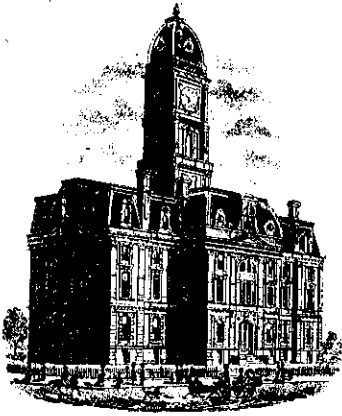
TILE DESIGN

MAIN	STATION	MAX. D. AREA AC.	D. COEFF.	REQ. CFS.	MIN. GRADE	SIZE RECOM.	REMARKS
A	10+00 to 20+00	190 AC.	3/4"	5.98 CFS.	0.33%	18"	USE
"	20+00 to 25+00	180 "	3/4"	5.67 "	0.33%	18"	SURF.
"	25+00 to 35+00	170 "	3/4"	5.35 "	0.10%	20"	INLETS
"	35+00 to 37+00	160 "	3/4"	5.04 "	0.50%	16"	
"	37+00 to 43+50	110 "	3/4"	3.46 "	0.553%	12"	MIN. FALL .553%

Mallet  
- CARSON - SNYDER TILE  
PLAN AND PROFILE

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Designed <u>WAKE W. BOWMAN</u>	Date <u>7/2/61</u>	Approved by <u>WAKE W. BOWMAN</u>
Drawn <u>D. SERVICES</u>	Title <u>Carson Snyder Tile</u>	
Traced <u>WAKE W. BOWMAN</u>	Sheet <u>No. 1</u>	Drawing No.
Checked <u>WAKE W. BOWMAN</u>	of 1	



SURVEYOR'S OFFICE  
**Hamilton County**

*Henton C. Ward, Surveyor*

773-6110 Ext. 19

*Noblesville, Ind. 46060* November 29, 1982

TO: Hamilton County Drainage Board

RE: Mallott-Carson Drain

At the time of the reconstruction hearing last year I did not know that two other drains existed. The drains are the W.C. Baker and the Mary Snyder and are shown on the attached map.

The W.C. Baker is a tile drain 1820 feet in length. It was constructed in 1888 by order of the Commissioners and according to records it has not been repaired or assessed since then. I do know however, that the County Highway this last Spring replaced tile through the right of way for 246th Street and constructed a new catch basin on the South side of the road. An inspection was made on the drain and it was found to be in good condition. At this time the Drainage Shed for this drain is being assessed on the Mallott-Carson Drain.

The Mary Snyder Drain is a tile drain 3450 feet in length. The drain was constructed in 1890 by order of the Circuit Court and according to the records it has not been repaired or assessed since. An inspection was made of this drain and it was found to be in good condition except for the outlet which needs some repair. This repair could be covered with a maintenance program. Most of the drainage shed for this drain is also being assessed on the Mallott-Carson Drain.

The Jesse DeVaney Drain was also inspected and it was discovered that some clearing, snagging and erosion control is needed from the intersection of the Fred Seeright Drain to the center of Section 29, Twp 20 N, R 4E. This also could be done as part of a maintenance program.

Because of the above, I recommend that the W.C. Baker, Mary Snyder and the above described portion of the Jesse DeVaney Drain be included in the Drainage

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Shed of the Mallott-Carson Drain, thus included on its maintenance program.

The changes on the Drainage Shed are as follows:

*\$ 2.00 per acre*

Blasser, Jacob A. & wf Freda Iolene 02-29-00-00-012 41.0ac increase assessment to  
R.R. #1 ✓ 19.0ac assessed  
Arcadia, IN 46030  
02-29-00-00-012<sup>3</sup> 29.0ac increase to 15.0ac  
assessed  
✓ 02-29-00-00-004 80.0ac assess one (1) acre

Clark, Joe H. & Patricia ✓ 02-29-00-00-005.001 69.64ac assess two (2) acres  
R.R. #1 Box 253  
Arcadia, In 46030

Thompson, Leland K. & Kathleen ✓ 02-29-00-00-008 6.0ac assess 6.0acres  
R.R. #1 Box 349  
Arcadia, In 46030  
✓ 02-29-00-00-007 74.0ac increase assessment to  
to 68.0acres.

McGill, Helen & Joe Snyder ✓ 02-29-00-00-009 80.0ac increase assessment  
R.R. #1 ✓ to 80.0acres  
Cicero, In 46034

Thompson, Leland K. & wf. Kathleen ✓ 02-28-00-00-014 80.0ac assess 9.0acres  
R.R. #1 Box 349  
Arcadia, In 46030

Cowan, J.R. & wf. Nancy Cusick Cowan ✓ 02-33-00-00-004 26.2acres increase assessment  
R.R. #1 16.2acres  
Arcadia, In 46030  
✓ 02-33-00-00-003 4.6acres assess 4.6acres

Adler, Raymond M. & Katherine A. ✓ 02-33-00-00-001 5.1acres increase assessment  
53 North 6th Street to 5.1acres  
Noblesville, In 46060  
02-33-00-00-002 <sup>.30</sup> ~~2.74~~ acres assess <sup>.30</sup> ~~.29~~ acres

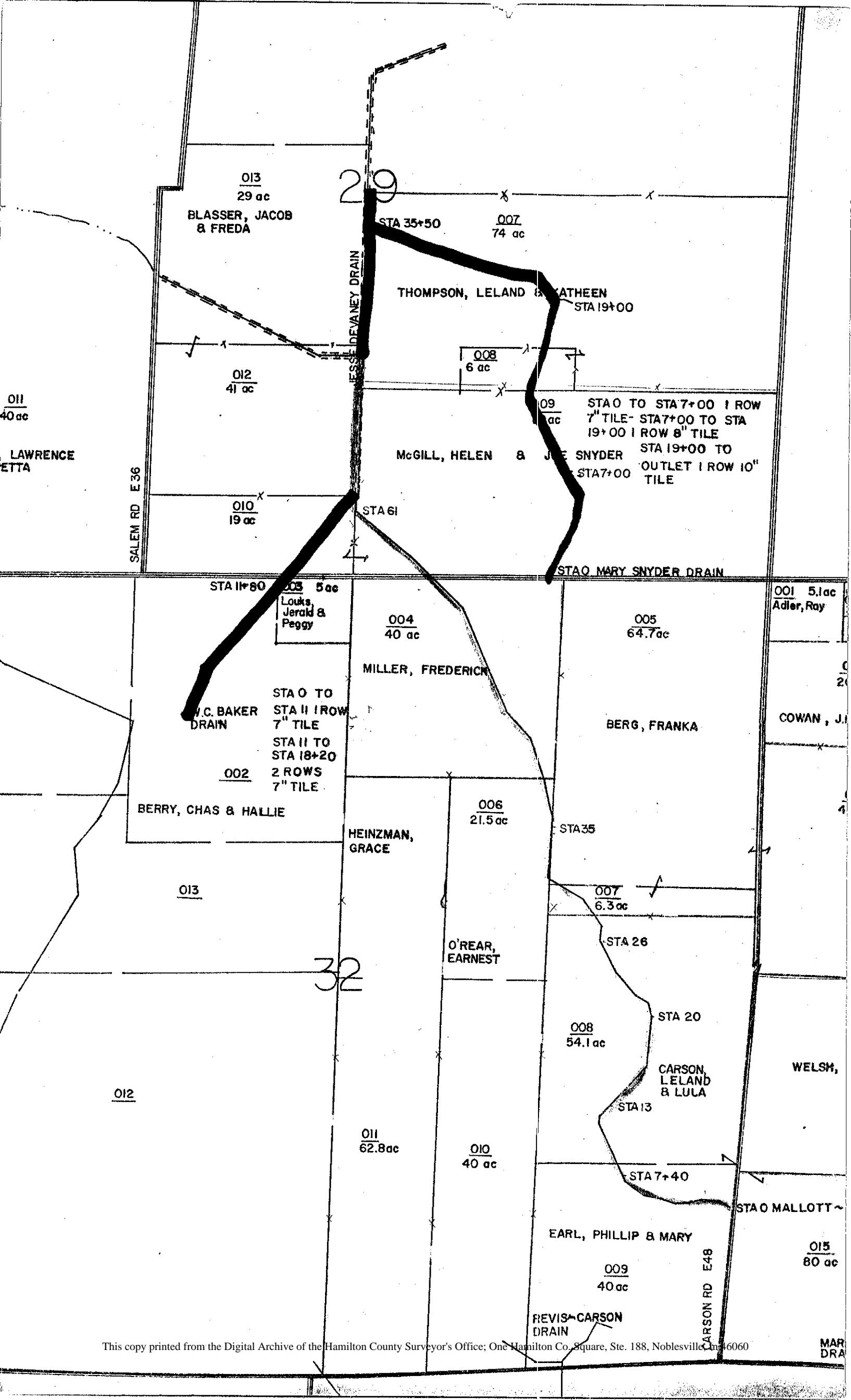
Hamilton County Highway Department ✓ increase assessment to 26.88 acres  
1717 East Pleasant Street  
Noblesville, In 46060

These changes are reflected in the attached section composites.

The Attached Drain Map shows the drain presently being assessed on Maintenance in Blue. The portion to be added is shown in red. In orange is the Fred Seeright Drain which is under it's own maintenance program. I do not recommend that the Seeright Drainage Shed be assessed as part of this extention and I have not included any portion of it in the assessment.

I request a hearing on the above recomendation be set for 1:45pm on February 7, 1983.





013  
29 ac  
BLASSER, JACOB  
& FREDA

STA 35+50  
007  
74 ac

THOMPSON, LELAND & KATHEEN  
STA 19+00

012  
41 ac

008  
6 ac

009  
1 ac  
STA 0 TO STA 7+00 1 ROW  
7" TILE - STA 7+00 TO STA  
19+00 1 ROW 8" TILE  
STA 19+00 TO  
STA 7+00 OUTLET 1 ROW 10"  
TILE

McGILL, HELEN & J. E. SNYDER

010  
19 ac

STA 61

STAO MARY SNYDER DRAIN

STA 11+80  
003 5 ac  
Louks,  
Jerald &  
Peggy

004  
40 ac

MILLER, FREDERICK

005  
64.7 ac

001 5.1 ac  
Adler, Roy

W.C. BAKER  
DRAIN

STA 0 TO  
STA 11 1 ROW  
7" TILE  
STA 11 TO  
STA 18+20  
002  
2 ROWS  
7" TILE

BERG, FRANKA

COWAN, J.

BERRY, CHAS & HALLIE

HEINZMAN,  
GRACE

006  
21.5 ac

STA 35

013

007  
6.3 ac

O'REAR,  
EARNEST

STA 26

32

008  
54.1 ac

STA 20

CARSON,  
LELAND  
& LULA

WELSH,

012

011  
62.8 ac

010  
40 ac

STA 13

STA 7+40

STAO MALLOTT ~

EARL, PHILLIP & MARY

009  
40 ac

015  
80 ac

REVIS-CARSON  
DRAIN

CARSON RD E48