

Drain: Clara Gintert Drain

Improvement-Arm: William Drescher Arm

Date Approved: April 14, 2008

Drain Input Checklist

- Create Regulated Drain Record in Posse _____
 - Drain Type
 - Outlet (Tab)
 - Outlet Attached
 - Location
 - Twp
 - Certification
 - Drain Number

- Enter Improvement Arm in Posse April 15, 2008 *Need Book*
(Construction Amount = Storm Drains, Erosion Control, Sub-surface drain & Earthwork)

- Scan Documents _____
 - Surveyor's Report
 - Engineer's Estimate
 - Notices
 - Findings and Order
 - Petition

- Create Posse Inspection Job _____

- Enter into Watershed Summary Spreadsheet _____

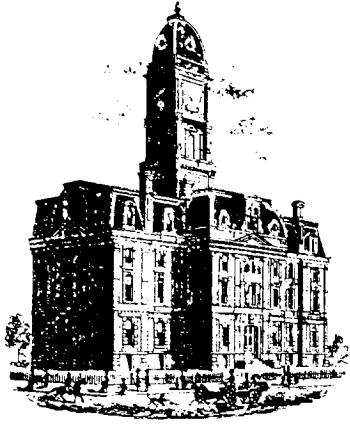
- Check for Vacation of Drain & Map Changes _____

- Check Drainage Easement Classification _____

- Sum drain length & Validate in GIS _____

- Enter New Watershed Length into Posse _____

- Create Boundary of Improvement in GIS _____



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

March 11, 2008

To: Hamilton County Drainage Board

Re: Clara Gintert Drain, William Drescher Arm

Attached is a petition and plans for the proposed relocation of the William Drescher Arm of the Clara Gintert Drain. The relocation is being proposed by Mr. Jerry Rulon. The proposal is to remove the two existing 10" clay tiles and install one 10" smooth bore plastic tile from Station 0+00 to the junction box at Station 23+80.00. Mr. Rulon has installed multiple tiles on his property and redirected all but 24 acres to the proposed tile.

The line will consist of the following:

10" Smooth Lined Plastic Tile 2,380 ft.

The total length of new drain shall be 2,380 feet. The 2,380 feet of double 10" original drain of the 1939 reconstruction of the original Drescher Drain between Sta. 0+00 and Sta. 23+80 shall be removed. This proposal will not change the drains total length.

The cost of the relocation is to be paid by Mr. Jerry Rulon. Because the project is to be paid by the petitioner and is within the boundaries of the petitioners property the project fall under the requirements as set out in IC 36-9-27-52.5. Therefore, a public hearing with 30 day notice is not required for the petition.

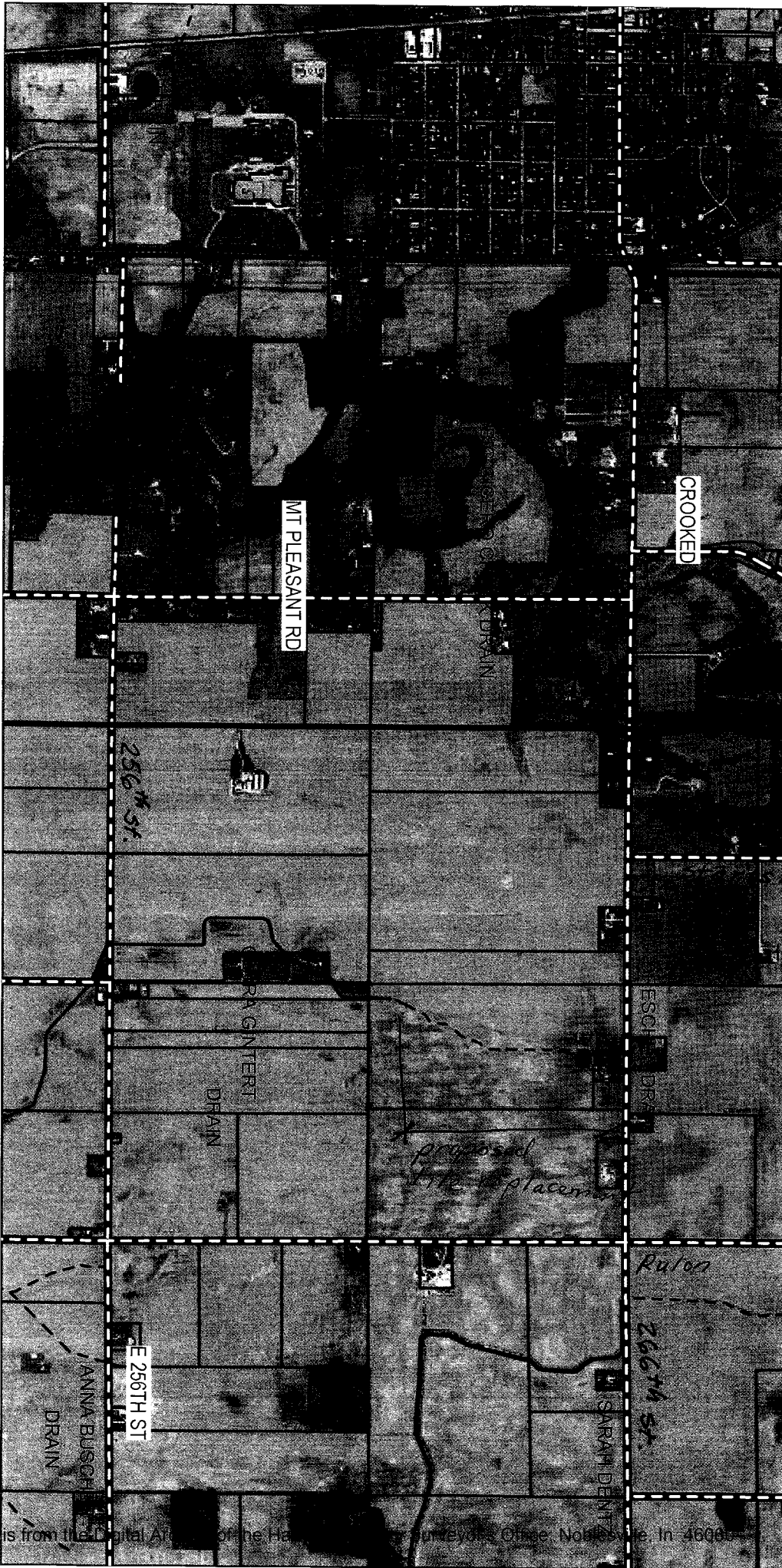
The petitioner has not provided the performance bond/letter of credit at this time. This shall be provided by the petitioner before reconstruction commences.

The Surveyor's Office approves the use of the one 10" smooth wall plastic pipe in lieu of the two existing 10" tiles.


Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/llm

Verry Rulon - Pathtismar



man





Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

April 30, 2012

Re: Clara Gintert: Rulon Relocation

Attached are as-builts, certificate of completion & compliance, and other information for Rulon Relocation. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes there were no significant changes made to the drainage plans submitted with my report for this drain dated March 11, 2008. The report was approved by the Board at the hearing held April 14, 2008. (See Drainage Board Minutes Book 11, Pages 83-84) Therefore, the length of the drain remains at **2,380 feet**. It should be noted that the original tile was removed from Sta. 0 to Sta. 23+80. Therefore, no additional footage was added to the watershed's overall length.

A non-enforcement permit was not requested for this project and a variance was approved by the Board not requiring a surety to be posted.

I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

KCW



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 188

One Hamilton County Square

Noblesville, Indiana 46060-2230

August 26, 2004

Jerry Rulon
9990 256th Street
Cicero, IN 46034

Re: William Dresher Drain

Attached is a petition for the reconstruction of the William Dresher Drain. Please fill out this petition, sign and return to my office.

Sincerely,

Kenton C. Ward
Hamilton County Surveyor

KCW/pll

STARTSMAN RD E101

STA 0 WM DRESHER DRAIN

HUNTER, MAX
3.8 Ac

HUNTER, ALVIN
82.5 Ac

NEWBY, ARLIE
39.4 Ac

39.0 Ac

RULON, GENE
59.2 Ac

21.0 Ac

WHISLER, MILDRED
73.7 Ac

STA 26+50
WD

20

013.001

LEONARD, GLADYS
40 Ac

RULON, JERRY
80 Ac

CARSON, EILEEN
72 Ac

FRYE, CHAS.
7.99 Ac

013.003
20 ac

40 ac

39.8 Ac

6

003

006

39 Ac

WARRLETT, GERALD
40 Ac

39.32 Ac

JOHN HEISSER DRAIN
STA 0 TO STA 1+80, 2
AC FROM STA 0 TO



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, CFM
 Surveyor of Hamilton County
 Phone (317) 776-8495
 Fax (317) 776-9628

Suite 188
 One Hamilton County Square
 Noblesville, Indiana 46060-2230

March 11, 2008

BIC 11 pgs 83-84
 April 14, 2008

To: Hamilton County Drainage Board

Re: Clara Gintert Drain, William Drescher Arm

Attached is a petition and plans for the proposed relocation of the William Drescher Arm of the Clara Gintert Drain. The relocation is being proposed by Mr. Jerry Rulon. The proposal is to remove the two existing 10" clay tiles and install one 10" smooth bore plastic tile from Station 0+00 to the junction box at Station 23+80.00. Mr. Rulon has installed multiple tiles on his property and redirected all but 24 acres to the proposed tile.

The line will consist of the following:

10" Smooth Lined Plastic Tile 2,380 ft.

*Removed
 2 ROWS 10"
 Tile*

The total length of new drain shall be 2,380 feet. The 2,380 feet of double 10" original drain of the 1939 reconstruction of the original Drescher Drain between Sta. 0+00 and Sta. 23+80 shall be removed. This proposal will not change the drains total length.

The cost of the relocation is to be paid by Mr. Jerry Rulon. Because the project is to be paid by the petitioner and is within the boundaries of the petitioners property the project fall under the requirements as set out in IC 36-9-27-52.5. Therefore, a public hearing with 30 day notice is not required for the petition.

The petitioner has not provided the performance bond/letter of credit at this time. This shall be provided by the petitioner before reconstruction commences.

The Surveyor's Office approves the use of the one 10" smooth wall plastic pipe in lieu of the two existing 10" tiles.

Kenton C. Ward, CFM
 Hamilton County Surveyor

KCW/llm

2/3

Approved for Use April 24, 2006



Variance Application

HAMILTON COUNTY SURVEYORS OFFICE
One Hamilton County Square
Noblesville, Indiana 46060
317-776-8495 fax: 317-776-9628

Type of Variance: Deviation from Standards 102.10 Standard Number
 Deviation from Ordinance _____ Ordinance & Section

Drain Name: Clara Gintert, Wm. Drescher Arm Township: White River

Project Name: Clara Gintert Drain, Drescher Reloc. Parcel Number: 07-03-20-00-00-007.000

Applicant's Name: Jerry Rulon Contact Person: Jerry Rulon

Address: 9990 E. 256th Street Cicero, IN 46034

Phone: (317) 984-3902 Fax: (317) 984-3902

Variance Requested: Request not to post performance bond.

Reason for Variance: I am the only person affected by this drain.

I hereby request permission to vary from the standards of the Hamilton County Surveyor's Office or an ordinance of Hamilton County. I request to be placed on the agenda of the Hamilton County Drainage Board for consideration of this variance request.

x Jerry Rulon Owner 3-17-2008
Applicant's Signature Title Date

FOR BOARD USE ONLY

AGREEMENT WILL BECOME EFFECTIVE UPON APPROVAL. SIGNED THIS
14th DAY OF April 2008 BY THE
HAMILTON COUNTY DRAINAGE BOARD.

[Signature] MEMBER OF DRAINAGE BOARD
PRESIDENT OF DRAINAGE BOARD

[Signature] MEMBER OF DRAINAGE BOARD

SURVEYOR'S OFFICE USE ONLY

Permit #: _____ Check: _____ Review Date: _____ Hearing Date: _____
Reviewed By: _____ Surveyor Reviewed: _____

Adobe PDF Ffillable Form



Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

April 9, 2008

To: Hamilton County Drainage Board

Re: Clara Gintert Drain, William Drescher Arm

Attached is a request by Jerry Rulon requesting variance from the following standard, posting a performance bond.

1. A variance from the Hamilton County Surveyor's Office Standards 102.10, which a contractor must post a bond when working in the county's legal drain.

Additional Information:

1. Jerry Rulon does not feel a bond is necessary because he believes he is the only property owner affected by this drain.

Staff Recommendations:

1. This drain collects runoff from 266th Street. Hamilton County is the other property owner affected by this drain.
2. The County Surveyor does not recommend approval of this variance.

Sincerely,

Christie Kallio, P. E.
Project Engineer
Hamilton County Surveyor's Office



Variance Application

HAMILTON COUNTY SURVEYORS OFFICE
One Hamilton County Square
Noblesville, Indiana 46060
317-776-8495 fax: 317-776-9628

Type of Variance: Deviation from Standards 102.10 Standard Number
 Deviation from Ordinance _____ Ordinance & Section

Drain Name: Clara Gintert, Wm. Drescher Arm Township: White River

Project Name: Clara Gintert Drain, Drescher Reloc. Parcel Number: 07-03-20-00-00-007.000

Applicant's Name: Jerry Rulon Contact Person: Jerry Rulon

Address: 9990 E. 256th Street Cicero, IN 46034

Phone: (317) 984-3902 Fax: (317) 984-3902

Variance Requested: Request not to post performance bond.

Reason for Variance: _____

I hereby request permission to vary from the standards of the Hamilton County Surveyor's Office or an ordinance of Hamilton County. I request to be placed on the agenda of the Hamilton County Drainage Board for consideration of this variance request.

X _____
Applicant's Signature Title Date

*****FOR BOARD USE ONLY*****

AGREEMENT WILL BECOME EFFECTIVE UPON APPROVAL. SIGNED THIS
 _____ DAY OF _____ 20____. **BY THE**
HAMILTON COUNTY DRAINAGE BOARD.

PRESIDENT OF DRAINAGE BOARD

MEMBER OF DRAINAGE BOARD

MEMBER OF DRAINAGE BOARD

*****SURVEYOR'S OFFICE USE ONLY*****

Permit #: _____ Check: _____ Review Date: _____ Hearing Date: _____
 Reviewed By: _____ Surveyor Reviewed: _____

3/3

Approved for Usc April 24, 2006



Variance Application
HAMILTON COUNTY SURVEYORS OFFICE
One Hamilton County Square
Noblesville, Indiana 46060
317-776-8495 fax: 317-776-9628

Type of Variance: Deviation from Standards _____ Standard Number _____
 Deviation from Ordinance _____ Ordinance & Section _____

Drain Name: Clara Ginterl, Wm. Drescher Arm Township: White River

Project Name: Clara Ginterl Drain, Drescher Reloc. Parcel Number: 07-03-20-00-00-007.000

Applicant's Name: Jerry Rulon Contact Person: Jerry Rulon

Address: 9990 E. 256th Street Cicero, IN 46034

Phone: (317) 984-3902 Fax: (317) 984-3902

Variance Requested: To place ^{regular} smooth lined plastic ^{field} tile in lieu of County's standard of double wall pipe.

Reason for Variance: (1) Cost (2) danger of installation (3) Flow not needed
(4) Depth not over 10 ft.

I hereby request permission to vary from the standards of the Hamilton County Surveyor's Office or an ordinance of Hamilton County. I request to be placed on the agenda of the Hamilton County Drainage Board for consideration of this variance request.

Jerry Rulon Owner 3-17-2008
Applicant's Signature Title Date

FOR BOARD USE ONLY

AGREEMENT WILL BECOME EFFECTIVE UPON APPROVAL. SIGNED THIS
14th DAY OF April 2008 BY THE
HAMILTON COUNTY DRAINAGE BOARD.

Stan C. Dillinger _____
PRESIDENT OF DRAINAGE BOARD MEMBER OF DRAINAGE BOARD

[Signature] _____
MEMBER OF DRAINAGE BOARD

SURVEYOR'S OFFICE USE ONLY

Permit #: _____ Check: _____ Review Date: _____ Hearing Date: _____
Reviewed By: _____ Surveyor Reviewed: _____

Adobe PDF Fillable Form



Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

April 9, 2008

To: Hamilton County Drainage Board

Re: Clara Gintert Drain, William Drescher Arm

Attached is a request by Jerry Rulon requesting variance from the following ordinances and standards in connection with the replacement of two (2) 10" clay field tiles with one (1) 10" double wall smooth lined plastic pipe.

1. A variance from the Hamilton County Surveyor's Office design details and standards, SSD-5 requiring tiles to be double wall, smooth wall, plastic pipe.

Additional Information:

1. Jerry Rulon would like to install a perforated single walled 10" field tile instead of the County's standard. His reasons are as follows:
 - Cost
 - Dangerous installation
 - Flow not needed
 - Depth of pipe does not exceed 10'

Staff Recommendations:

1. The County Surveyor does not recommend approval of this variance. There have been installation issues with a single wall plastic pipe. A regular plastic field pipe without a smooth wall has a resistance factor of 0.011 and a corrugated plastic field tile has a resistance factor of 0.024. This means the smooth wall pipe can carry more water than the regular pipe Mr. Rulon wants to install.
2. If maintenance is required on this tile the replacement would be made with smooth double wall tile per contract and specifications for providing periodic maintenance of regulated rural drains in Hamilton County.

Sincerely,

A handwritten signature in black ink that reads "Christie Kallio". The signature is written in a cursive style with a large initial 'C' and a distinct 'K'.

Christie Kallio, P. E.
Project Engineer
Hamilton County Surveyor's Office



Variance Application

HAMILTON COUNTY SURVEYORS OFFICE
One Hamilton County Square
Noblesville, Indiana 46060
317-776-8495 fax: 317-776-9628

Type of Variance: Deviation from Standards _____ Standard Number _____
 Deviation from Ordinance _____ Ordinance & Section _____

Drain Name: Clara Gintert, Wm. Drescher Arm Township: White River

Project Name: Clara Gintert Drain, Drescher Reloc. Parcel Number: 07-03-20-00-00-007.000

Applicant's Name: Jerry Rulon Contact Person: Jerry Rulon

Address: 9990 E. 256th Street Cicero, IN 46034

Phone: (317) 984-3902 Fax: (317) 984-3902

Variance Requested: To place smooth lined plastic tile in lieu of County's standard of double wall pipe.

Reason for Variance: _____

I hereby request permission to vary from the standards of the Hamilton County Surveyor's Office or an ordinance of Hamilton County. I request to be placed on the agenda of the Hamilton County Drainage Board for consideration of this variance request.

X _____
Applicant's Signature Title Date

FOR BOARD USE ONLY

AGREEMENT WILL BECOME EFFECTIVE UPON APPROVAL. SIGNED THIS
 _____ DAY OF _____ 20____. **BY THE**
HAMILTON COUNTY DRAINAGE BOARD.

PRESIDENT OF DRAINAGE BOARD

MEMBER OF DRAINAGE BOARD

MEMBER OF DRAINAGE BOARD

SURVEYOR'S OFFICE USE ONLY

Permit #: _____ Check: _____ Review Date: _____ Hearing Date: _____
 Reviewed By: _____ Surveyor Reviewed: _____

Jerry Rulon - drain?

Feb. 25, 08

Christie Kallio

Objective:

Mr. Rulon wants to remove 2-damaged 10" field tiles in a legal drain. He has installed multiple drains on his farm and feels that the watershed going to this legal drain has been reduced by the installation of the onsite drains.

Mr. Rulon would like to install 1-10" single wall polyethylene pipe in this legal drain

This is the William Drescher Drain which feeds to the Clara Ginnert Drain.

Knows:

SOIL TYPE E - Crosby, Celina & Miami silt loams
Brookston & Kokomo silty clay loams

Field crops - Field crops = $\frac{3}{8}$ to $\frac{1}{2}$ Drainage coefficient

Assume slope = 0.10 pipe is smooth walled and
coefficient $n = .012$

Assume 10" pipe
smooth wall

I have reviewed the drainage shed going to this drain tile. I agree that Mr. Rulon has redirected the majority of the drainage shed south of 266th st. 24 acres south of 266th street will still drain to this regulated drain.

The county topo maps show approximately 13 acres north of 266th street draining to the culvert under 266th street. I called Jerry Rulon and he said that he has redirected all of this drainage to the north except for a half acre which still goes under 266th street.

Analysis - utilize Tile drain design chart Fig. 3
From the "Indiana Farm Drainage Guide" (see attached)

using a tile grade of 0.1 feet per 100 ft. a 10" tile
can drain a maximum of 40 acres for a
drainage coefficient of $\frac{1}{2}$ of rain for 24 hrs.

CHECK FIELD DATA

William Drescher Drain

Benchmark is INDOT G 24, Bronze plate in top of southeast wing of a bridge over Big Cicero Creek on 266th Street, elevation = 839.80 NAVD 88.

East 10" tile south side of 266th, elevation = 845.15

West 10" tile south side of 266th, elevation = 845.08

18" outlet into Clara Gintert Drain, elevation = 840.79

Shot with GPS on February 27, 2008 Joe Mullins LS and Steve Fesmire.

Field survey -

$$\begin{aligned} \text{slope} &= \frac{\Delta \text{ height}}{\text{Length of pipe}} = \frac{845.08 - 840.79}{2570 \text{ LF (scaled from county topo)}} \\ &= \frac{.0017 \text{ ft}}{\text{ft}} \times 100\% \end{aligned}$$

= .166% * Note survey data shows a greater slope than assumed.

A-10" plastic dual walled smooth interior pipe works

April 1939

NO-A2854

Wm Drescher / John Heisser
DRAIN

REQUIREMENTS:- Accept the tile portion of the original William H. Drescher ditch as part of this Drain and connect at Station 23+80 the two rows 10" tile and the 1 Row of 10" private tile into one Junction box keeping the lid under ground line 15 inches. Then extend with 18" tile to Station 25+38 and to station 25+58 with 21 inch corrugated pipe 16 gauge pure iron pipe. At this point construct standard S. C. S. Head wall 16' wide. From Station 28+58 re-construct open ditch by clearing, grubbing and excavating to grade as indicated in specifications on plan and profile. 3' wide bottom, slopes $1\frac{1}{2}$ to 1 depositing dirt as indicated by engineer and keep it leveled down not to exceed 2' above normal ground and 5' back from slope of ditch, following along or near old channel to a approximately Station 40, there change channel into new cut to approximately Station 45+45. Then follow old channel straightening, lengthing arms etc. to Station 92+50. There construct 170' - 10" tile and 20' of 12" corrugated 16 gauge pure iron pipe as tile portion of the original John A. Heisser drain, and will be know now as Arm #1 to Drescher-Heisser consolidated drain. Then follow the channel of the original Heisser by excavating, clearing and grubbing, bottom width 4' wide in bottom $1\frac{1}{2}$ to 1 slope to station 141+50 or terminus, terminating into an open drain approximately 1215' South and 1014' West of N. E. corner, Section 32 Township 20 N, Range 5 East.

Arm #2:- Accept the tile portion as now in place known as arm #1 of the original John A. Heisser ditch from station 0 to Station 24+43. Repair Head wall by underpinning and pointing up, construct apron in front and anything else as might be required. Then follow old channel, clearing, grubbing, etc., to grade, 2' bottom, $1\frac{1}{2}$ to 1 slope, same specifications as other work, terminating in main channel at

Station 104+80.

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

Revised June 1997

IN RE: Dresher Tile Ditch)
Hamilton County, Indiana)

PETITION FOR RELOCATION AND RECONSTRUCTION

Jerry D. Rulon (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the William Dresher Drain, and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the William Dresher Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the William Dresher Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the William Dresher Drain, without cost to other property owners on the watershed of the William Dresher Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC 36-9-27-52.5.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the William Dresher Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

Signed Jerry D. Rulon
Jerry D. Rulon
Printed

FILED

JUN 15 2006

OFFICE OF HAMILTON COUNTY SURVEYOR

To: Hamilton County Drainage Board

Re: In the matter of the William Dresher Draw Drain Petition

Comes now the undersigned individuals, who petition the Hamilton County Drainage Board, per IC 36-9-27, for the reconstruction of the above referenced regulated drain. The undersigned believe the following:

1. They are owners of ten percent (10%) in acreage or more of land area alleged by the petition to be affected by the drain.
2. That as property owners within the drainage shed, they are qualified petitioners.
3. That they now desire the regulated drain be reconstructed in WR Township.
4. The names and address of each owner affected by the proposed public drainage are attached hereto, made a part hereof, and marked Exhibit "A", which area of land involved in the proposed drainage area is located in section ~~WR~~ 20, township WR north, range _____ east, Hamilton County Indiana.
5. That the proposed reconstruction consist of Replacing the 2 parallel tiles with a new plastic tile. Half of this watershed now uses a new tile installed last year. Only area outlined in red uses this outlet now.
6. That in the opinion of the Petitioner, the costs, damages, and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land to be benefited thereby.
7. That in the opinion of Petitioner, the proposed improvement will improve the public health; benefit a public highway; and be of public utility.
8. That Petitioners shall pay the cost of notice and all legal costs including engineering expenses if the petition is dismissed.
9. Petitioner shall post a bond, if required, to pay the cost of notice and all legal costs in the case the improvement is not established.

Signature

Printed Name

Printed Address

A. Carol Rulon

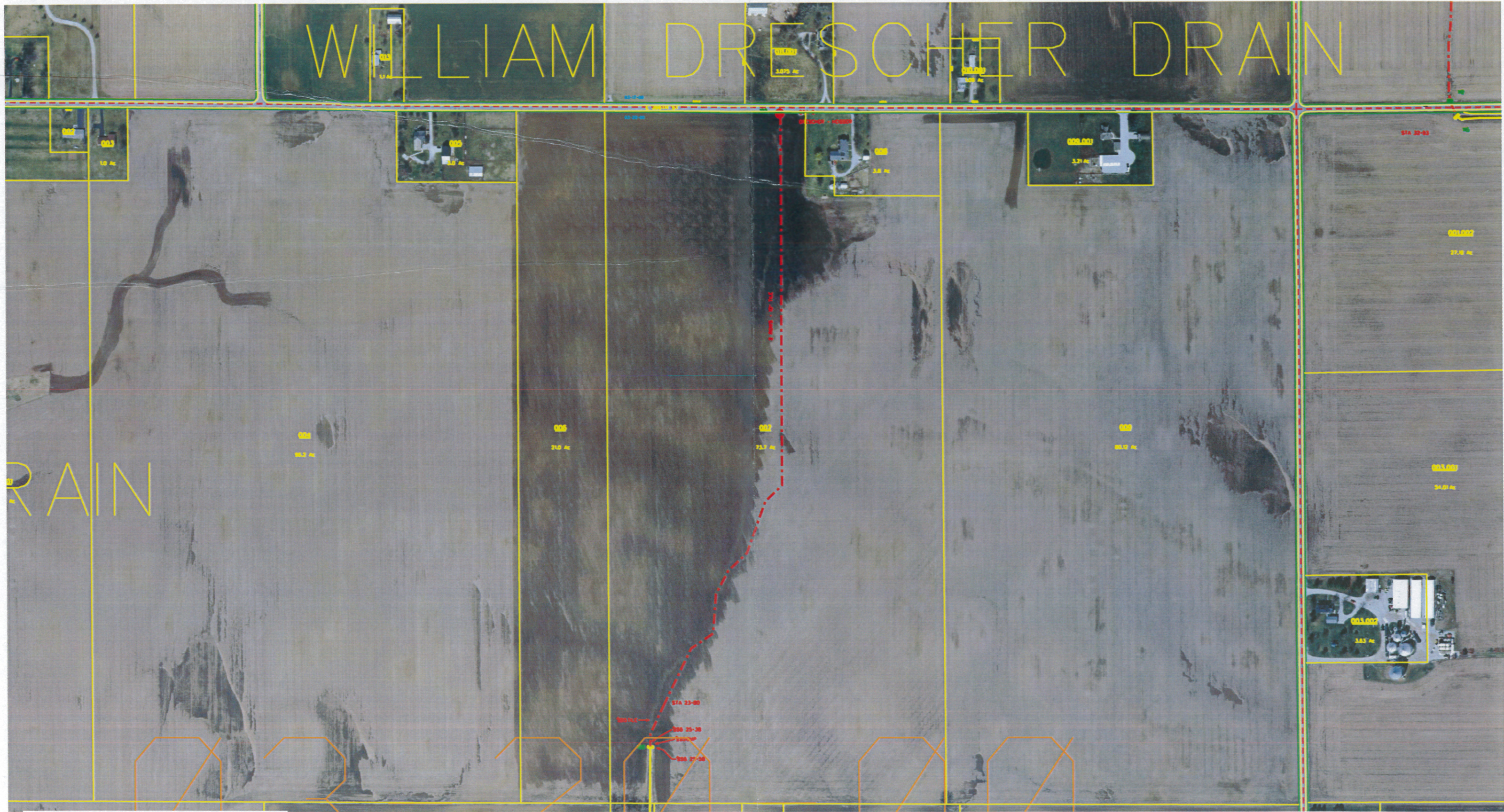
A. Carol Rulon

9990 E. 256 ST Cicero IN

Rulon & Steyer's requests permission to engineer & install this improvement.

I have not had a formal reply to our request to dig out the ~~low~~ bottom of the open ditch. Its been over a year now. Marked in yellow.

Jerry



...\Bentley\homework.rdl 4/26/2012 4:23:06 PM