Drain: JOHNSON & GARDNER ARM 1 OF ARM 2 **Drain #:** 169
Improvement/Arm:
Operator: J. LIVINGSTON **Date:** 2-4-04
Drain Classification: Urban/Rural **Year Installed:** 1983

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: JOHNSON & GARDNER ARM 1 OF ARM 2

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable Price:	If Applicable Cost:
TILE	10"	1600'	1600'			
OPEN DITCH	—	1000'	1000'			
Sum:		2600'	2600'			$6653.40

Final Report: 2600'

Comments:

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SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

773-6110 Ext. 19

Noblesville, Ind. 46060 February 23, 1983

To: Hamilton County Drainage Board

Re: Arm 1 to Arm 2, Johnson & Gardner Drain

Attached is an assessment roll, drainage shed map, drain location map, construction plans and a petition to construct an Arm 1 to Arm 2 of the Johnson & Gardner Drain. This petition was submitted by the County Commissioners on February 22, 1983 for drainage of Mule Barn Road North of State Road 32. The plan calls for a 10 inch concrete tile 1600 feet in length from Mule Barn Road to Sta 0 of Arm 2 of the Johnson & Gardner Drain. Also, 1000 feet of Arm 2 would be dredged.

The description of Arm 1 to Arm 2 would be as follows. Beginning at a point approximately 300 feet North and 16.5 feet West of the South East corner of the North East quarter of Section 31, Township 19 North, Range 3 East, thence East 33 feet, thence in a South Easterly direction 1567 feet to Sta 0 of Arm 2, Johnson & Gardner Drain.

I have reviewed the petition and found it to be in proper form. I also believe that, 1. the proposed drain is practicable; 2. the proposed drain will improve public health, benefit a public highway, be of public utility; and 3. the costs, damages and expenses of the proposed drain will probably be less than the benefits accuring to the owners of land likely to be benefited.

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The cost estimate for the project is $7,730.00. The County Highway Department has indicated it will pay half or $ 3,865.00 of the cost. The remaining 128.0 acres benefited will be assessed $30.20 per acre for the balance. I also recommend that a maintenance program be established at $2.00 per acre, $6.00 minimum. With 134.0 acres in the drainage shed the yearly total will be $268.00.

I recommend a hearing be set for May 2, 1983 at 1:35 P.M.

Kenton C. Ward, Surveyor

KCW/jg

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SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

776-9626

Noblesville, Ind. 46060

June 25, 1984

TO: Hamilton County Drainage Board

RE: Arm #1 to Arm #2
Johnson and Gardner Drain

On June 5, 1984 I made a final inspection on the construction of Arm #1 to Arm #2 Johnson and Gardner Drain. At that time I found it to be complete and acceptable.

The total cost for this work is the contract price of $6653.40. The estimate for the work was $7730.00. A revised assessment roll is attached. A claim for the remainder, $450.00 should be approved. A statement for payment of expenses has been submitted.

Kenton C. Ward

Kenton C. Ward-County Surveyor

KCW/no

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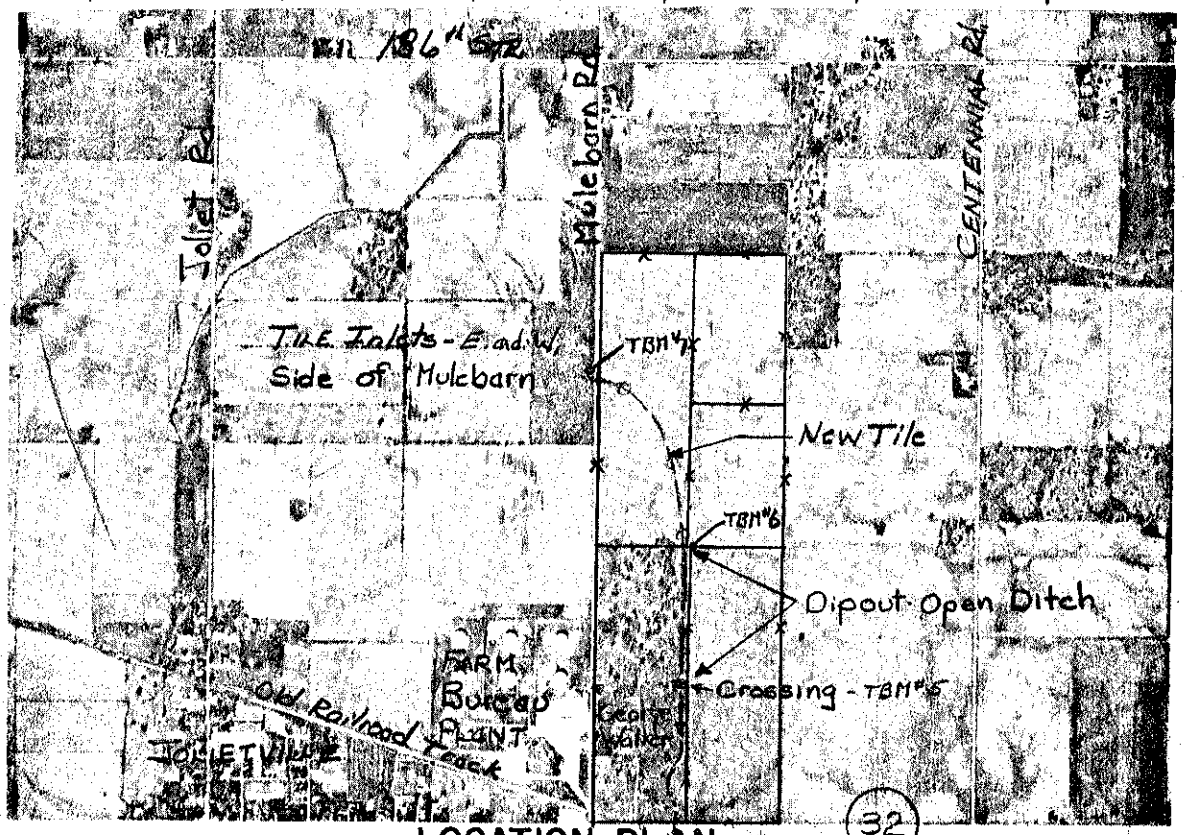

LOCATION PLAN

Scale: 1 inch = 1320 feet

LEGEND

Road
Farm Boundary
Permanent Fence
Existing Drain Line
Proposed Drain Line
New Drain Installed
Existing Deep Ditch
Proposed Deep Ditch
Existing Shallow Ditch
Proposed Shallow Ditch

DESIGN DETAILS

Line	Stations	Drain area acres	Dominant soil type	Grade %	Drain coef.	Capacity required CFS	Drain size inches	Capacity available CFS
Main	0100 - 1600	10	Brookston	0.15	2"	0.84	10" Concrete	0.8
						0.84	12" Plastic	1.1

Materials:

DREDGE Open Ditch - 1000'
10" Concrete ~~or 10" Plastic Tile~~ - 1600'
12" CMP ~~or 12" CMP~~ w/animal guard - 20'
Tile Inlets - 2
12" Reinforced Concrete Bell Tile - 40'
~~or~~
~~HMP or Schedule 40 PVC - 70'~~

SUBSURFACE DRAINAGE PLAN

NAME Co. Highway - Mulcbarn Rd.

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed J. South Date 1/83
Drawn
Checked T. Schellenberger 1/83
Reviewed

Approved by John South
Title D.E.
Title
Sheet No. Of.
Drawing No.

IN-ENG-32 1(2) Rev. 6-81

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