

Source Document Log  
Source Document Discrepancy Log

Drain: BEALS & COX

Main/Arm Name	Document Name	Document ID	Info From Document	If Applicable	
				Document w/ Discrepancy	Description of Discrepancy
MAIN	DRAIN CONST. RECORD	DL 4 PG 3			
	SURVEYOR'S REP.	9-18-1980			
	"	10-10-1980			
	BOND	6-10-1980			
	USDA - SCS PACKET	IN-CONS-8			
	SURVEYOR'S REPORT	8-7-1998			
	"	9-15-1999			
	C OF C & C	2-9-2000			
	BOND	LF01-08625			
	ASBUILTS	97-9-364			

**Drain:** BEALS & COX #112  
**Improvement:** \_\_\_\_\_  
**Operator:** J. LIVINGSTON  
**Date:** 10-14-03

### GIS Drain Input Checklist

- Digitize & Attribute Tile Drains 10-14-03 jwj
- Digitize & Attribute Storm Drains n/a
- Digitize & Attribute SSD n/a
- Digitize & Attribute Open Ditch 10-14-03 jwj
- Sum drain lengths & Validate 10-15 jwj
- Enter Improvements into Posse 10-15 jwj
- Enter Drain Age into Posse 10-15 jwj
- Sum drain length for Watershed in Posse 10-15 jwj
- Stamp Plans n/a
- Pull Source Documents for Scanning 10-15 jwj

QC'd Summary 11-21-2003 - SLW OK ✓

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

Drain-Improvement: BEALS & Cox

Drain Type:	Size:	Length (DE 4 R 3)	Length (DB Query)	Length Reconcile	Price/Cost	
					Price:	Cost:
TILE	10"	800'	800'		3.00/lf	\$ 2400.00
	12"	450'	450'		4.00/lf	\$ 1800.00
	14"	400'	400'		4.25/lf	\$ 1700.00 <del>1700.00</del>
	15"	890'	890'		5.00/lf	\$ 4450.00
<b>Total</b>		<b>2620'</b>				<b>10690.00</b>
Open		3350'	3350'		19.85/lf	65492.50
		1020'	1020'			

Sum: 6990'    6990'    0    \$ 71182.50

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

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

ORIGINAL SPECIFICATIONS

DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE

Width at Top  
Depth of Cut  
Width at Bottom

DR 4 Pg 3

Location

Beginning at a point 150 feet North and 100 feet west of the South East Corner of Section 16, Township 19 North Range 4 East and run thence S. 0° 30' E. 600 feet, thence S. 10° 30' E. 300 feet, thence S. 8° 30' E. 350 feet, thence S. 43° 45' E. 250 feet, thence S. 39° 45' E. 300 feet, thence N. 87° 15' E. 600 feet, thence S. 86° 30' E. 350 feet, thence S. 61° 30' E. 250 feet, thence S. 72° 30' E. 1350 feet, thence S. 81° E. 350 feet, thence N. 40° E. 100 feet, thence S. 65° E. 200 feet, thence N. 75° E. 300 feet, thence S. 50° E. 100 feet, thence S. 82° E. 400 feet, thence S. 30° E. 340 feet, thence S. 5° E. 85 feet, thence S. 15° E. 125 feet, thence S. 55° E. 100 feet, thence N. 70° E. 150 feet, where proposed drain terminates in a natural water course 10 rods South and 35 rods West of the South East Corner of the North East quarter of Sec. 20 Twp 19, N.R. 4 East.

Requirements

Main ditch to consist of one row of 10 inch chain tile from Sta. 0 to Sta. 8 and one row of 12 inch chain tile from Sta. 8 to Sta. 12+50 and one row of 14 inch chain tile from Sta. 12+50 to Sta. 17+30 and one row of 15 inch chain tile from Sta. 17+30 to Station 36+30 and one row of 15 inch sewer tile from Station 36+30 to Sta. 36+40 and an open drain 12 inches wide in the bottom with side slopes of 45° from Station 36+40 to Sta. 68 or terminus, then E. H. Beals tiled at his own expense from Sta. 36+40 to Sta. 42+60

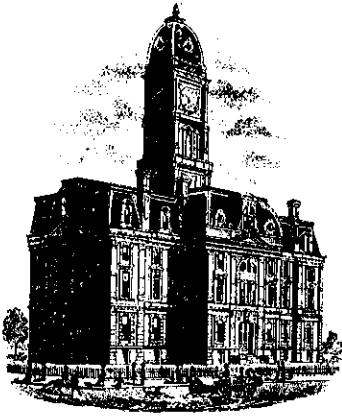
Connection of laterals

at Station named below the Contractor will be required to furnish chain tile of the size and quantities mentioned and connect to the Main ditch the laterals already in place,

at Station	19+10	--	12 feet	10 inch	chain	tile
"	"	23+60	--	25 "	4 "	" "
"	"	28+40	--	16 "	4 "	" "
"	"	28+40	--	6 "	4 "	" "
"	"	29+70	--	6 "	4 "	" "
"	"	31+55	--	12 "	4 "	" "
"	"	32+90	--	8 "	4 "	" "
"	"	34+80	--	10 "	4 "	" "

Retaining Wall

at Station 36+40 to be constructed a retaining wall of field rock laid up in mortar made from one part portland cement to three part clean sharp sand and so constructed as to incline the tile at proper grade 18 inches above the



SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, Surveyor*

773-6112 Ext. 19

*Noblesville, Ind. 46060* September 18 1980

TO: Hamilton County Drainage Board

RE: Beals and Cox Drain

On September 8, 1980 I made an inspection of the reconstruction done by Taylor Excavating on the Beals and Cox Drain.

At this time I found the drain to be finished except for spot re-seeding bare areas of the bank.

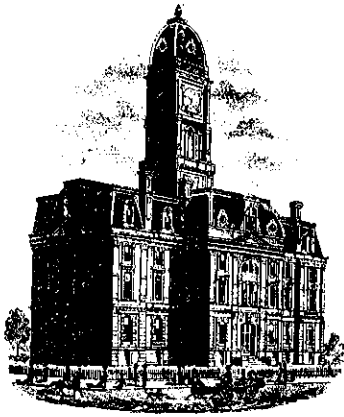
The pipe extension on the North bank on the Higgenbethom property has not been put in. An agreement was made that Taylor would provide the pipe and the property owner would put it in so her garden would not be destroyed. A follow-up will be made to make sure this is done. Also Mr. Loew asked that three (3) tile extensions not be placed on the North bank so that the fence would not be cut. The property owners to the North which these tiles serve have agreed with Mr. Lowe.

Taylor has turned in two (2) claims for work which is completed. The claim in the amount of \$9384.00 covers 85% of the contract price. The other for \$1977.50 covers the extra work which was done.

Both claims should be approved by the Board.

*Kenton C. Ward*

Kenton C. Ward - County Surveyor



SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, Surveyor*

773-6112 Ext. 19

*Noblesville, Ind. 46060* November 10, 1980

To: Hamilton County Drainage Board

Re: Beals & Cox Drain

Attached is a claim to Taylor Excavating in the amount of \$1656.00 which represents the 15% retainer on the Beals & Cox Drain Reconstruction.

Upon payment of this claim, which should be approved, the total spent on the project will come to \$13,017.15. Although the total is over the contract price of \$11,040.00 it still falls short of the \$15,528.00 estimate. The overrun was caused by additional clearing, hauling of spoil and extra outlet pipe.

*Kenton C. Ward*  
Kenton C. Ward, Surveyor

KCW/jg

# AMERICAN STATES INSURANCE COMPANY

INDIANAPOLIS, INDIANA

## PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That Ronald Taylor d/b/a Taylor Excavating  
as Principal, hereinafter called Principal, and AMERICAN STATES INSURANCE COMPANY, a corporation of the state of Indiana, with its home office in the City of Indianapolis, Indiana, U.S.A., as Surety, hereinafter called Surety, are

held and firmly bound unto Hamilton County Drainage Board  
Noblesville, Indiana

as Obligee, hereinafter called Obligee, in the amount of nine thousand five hundred  
forty and - - - - - no. - - - .00/1.00 Dollars (\$ 9,540.00 ),  
for the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has by written agreement dated June 10, 1980 entered into  
a contract with Obligee for reconstruction of Beals-Cox Drain in Hamilton  
County.

which contract is by reference made a part hereof, and is hereinafter referred to as the contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, That, if Principal shall promptly and faithfully perform said contract, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

Whenever Principal shall be, and be declared by Obligee to be in default under the contract, the Obligee having performed Obligee's obligations thereunder:

- (1) Surety may promptly remedy the default subject to the provisions of paragraph 3 herein, or;
- (2) Obligee after reasonable notice to Surety may, or Surety upon demand of Obligee may arrange for the performance of Principal's obligation under the contract subject to the provisions of paragraph 3 herein;
- (3) The balance of the contract price, as defined below, shall be credited against the reasonable cost of completing performance of the contract. If completed by the Obligee, and the reasonable cost exceeds the balance of the contract price, the Surety shall pay to the Obligee such excess, but in no event shall the aggregate liability of the Surety exceed the amount of this bond. If the Surety arranges completion or remedies the default, that portion of the balance of the contract price as may be required to complete the contract or remedy the default and to reimburse the Surety for its outlays shall be paid to the Surety at the times and in the manner as said sums would have been payable to Principal had there been no default under the contract. The term "balance of the contract price," as used in this paragraph, shall mean the total amount payable by Obligee to Principal under the contract and any amendments thereto, less the amounts heretofore properly paid by Obligee under the contract.

Any suit under this bond must be instituted before the expiration of two years from date on which final payment under the contract falls due.

No right of action shall accrue on this bond to or for the use of any person or corporation other than the Obligee named herein or the heirs, executors, administrators or successors of the Obligee.

Signed and sealed this 10th day of June 19 80

Ronald S. Taylor (SEAL)  
Principal

AMERICAN STATES INSURANCE COMPANY  
Surety

By Luther F. Boynton  
Attorney-in-Fact

# American States Insurance Company

## INDIANAPOLIS, INDIANA

KNOW ALL MEN BY THESE PRESENTS, that American States Insurance Company, a Corporation duly organized and existing under the laws of the State of Indiana, and having its principal office in the City of Indianapolis, Indiana, hath made, constituted

and appointed, and does by these presents make, constitute and appoint

----- LUTHER E. POYNTER, GARY MAX POYNTER AND ALBERT POYNTER -----

(Jointly or Severally)

of Danville and State of Indiana

its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, contracts of indemnity and other conditional or obligatory undertakings,

provided, however, that the penal sum of any one such instrument executed hereunder

shall not exceed ONE HUNDRED THOUSAND AND NO/100 (\$100,000.00) DOLLARS -----

and to bind the Corporation thereby as fully and to the same extent as if such bonds were signed by the President, sealed with the common seal of the Corporation and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney(s)-in-Fact may do in the premises. This Power of Attorney is executed and may be revoked pursuant to and by authority granted by Section 7.07 of the By-Laws of the American States Insurance Company, which reads as follows:

"The Chairman of the Board, the President or any Vice-President shall have power, by and with the concurrence with the Secretary or any Assistant Secretary of the Corporation, to appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact as the business of the Corporation may require or to authorize any one of such persons to execute, on behalf of the Corporation, any bonds, recognizances, stipulations and undertakings, whether by way of surety or otherwise"

IN WITNESS WHEREOF, American States Insurance Company has caused these presents to be signed by its Vice-President,

attested by its Assistant Secretary and its corporate seal to be hereto affixed this 5th day of December

A. D. 19 78

AMERICAN STATES INSURANCE COMPANY

(SEAL)

By William M. Evans  
Second Vice-President

ATTEST: Thomas M. Ober  
Assistant Secretary

STATE OF INDIANA }  
COUNTY OF MARION } SS:

On this 5th day of December, A. D., 19 78, before me personally came

William M. Evans, to me known, who being by me duly sworn, acknowledged the execution of the above instrument and did depose and say; that he is Vice-President of American States Insurance Company; that he knows the seal of said Corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Corporation; and that he signed his name

thereto by like order. And said William M. Evans further said that he is acquainted with Thomas M. Ober and knows him to be the Assistant Secretary of said Corporation; and that he executed the above instrument.

January 10, 1981  
My Commission Expires

Linda J. Cannon  
Notary Public

STATE OF INDIANA }  
COUNTY OF MARION } SS:

I, Thomas M. Ober, the Assistant Secretary of AMERICAN STATES INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said AMERICAN STATES INSURANCE COMPANY, which is still in full force and effect.

This Certificate may be signed and sealed by facsimile under and by the authority of the following resolution of the Board of Directors of American States Insurance Company at a meeting duly called and held on the 15th day of December 1972.

"RESOLVED: That the use of a printed facsimile of the corporate seal of the company and of the signature of an Assistant Secretary on any certification of the correctness of a copy of an instrument executed by the President or a Vice-President pursuant to Section 7.07 of the By-Laws appointing and authorizing an Attorney-in-Fact to sign in the name and on behalf of the company surety bonds, underwriting undertakings or other instruments described in said Section 7.07, with like effect as if such seal and such signature had been manually affixed and made, hereby is authorized and approved."

In witness whereof, I have hereunto set my hand and affixed the seal of said Corporation, this 10th

day of June, A. D., 19 80

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IN-CONS-8

(Rev. 6-73)

# Soil Water and Related Resource Data and Guidelines

## Prepared for:

Hamilton County Drainage Board  
Beals + Cox

Re: Bliss Johnson Drain

c/o: Kent Ward, County Surveyor

Hamilton County  
Soil and Water Conservation District

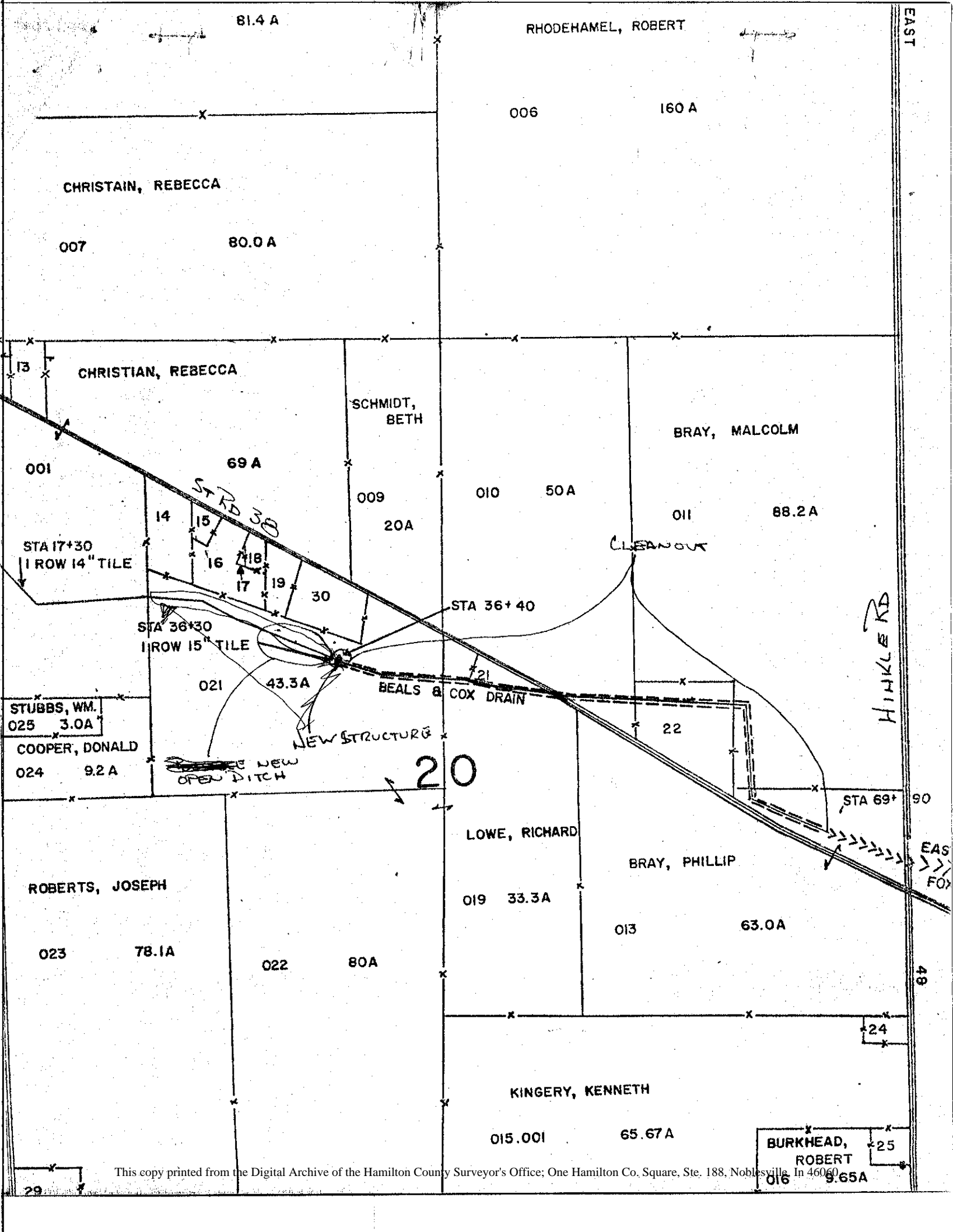
## Assisted by:

Tom Schellenberger D.C.

John South SWCD Engr.

United States Department of Agriculture  
Soil Conservation Service





81.4 A

RHODEHAMEL, ROBERT

EAST

006

160 A

CHRISTAIN, REBECCA

007

80.0 A

CHRISTIAN, REBECCA

001

69 A

SCHMIDT, BETH

009

010

50 A

BRAY, MALCOLM

011

88.2 A

STA 17+30  
1 ROW 14" TILE

STA 36+30  
1 ROW 15" TILE

STA 36+40

CLEANOUT

STUBBS, WM.  
025 3.0A

COOPER, DONALD  
024 9.2 A

021

43.3A

BEALS & COX DRAIN

NEW STRUCTURE

NEW OPEN DITCH

20

HICKLE RD

STA 69+90

ROBERTS, JOSEPH

023

78.1A

LOWE, RICHARD

019

33.3A

BRAY, PHILLIP

013

63.0A

022

80A

KINGERY, KENNETH

015.001

65.67 A

BURKHEAD, ROBERT

016 9.65A

29

48

24

25



Request for Engineering Assistance

Date: 8-27-79

Request for:

- a. Job investigation and report
- b. Survey, design, and cost-estimate
- c. Construction plans and conservation plans
- d. Construction Supervision

✓  
 ✓  
 ✓  
 ✓

Name of Legal Drain: BEALS & COX

Location: County(s) HAMILTON Civil Township(s) WASHINGTON

Section(s) 20 Township(s) 19 Range(s) 4

Aerial photo No.(s) EP-ILL-79

Are others involved \_\_\_\_\_  
gas, telephone, electric, highway, cities, etc.

Narrative Description of Project: DITCH NEEDS DREDGED & CLEARED

Approximate quantities: 3700' open ditch, \_\_\_\_\_ tile, 1 structures  
\_\_\_\_\_ other.

Approximate date information needed: Dec 79

Signed

Kenton L. Ward Co. Surveyor and/or Drainage Board  
Lauren Stewart SWCD Board DATE 28 Aug 79

**UNITED STATES DEPARTMENT OF AGRICULTURE**

**SOIL CONSERVATION SERVICE**

925 Division St.

P. O. Box 279

Noblesville IN 46060

February 26, 1980

r  
Hamilton County Drainage Board  
c/o Hamilton County Surveyor  
Hamilton County Court House  
Noblesville IN 46060

Gentlemen:

Regarding the Beals and Cox Legal Drain

General

Kent Ward, the County Surveyor, requested information; a preliminary report, survey, design, cost estimate and construction check. The preliminary report has already been presented to Mr. Ward verbally. This report contains the survey, design construction plans and cost estimate for the re-construction of the Beals and Cox Legal Drain.

The general location of this ditch is Washington Township, section 20. The ditch approximately parallels State Road 38 between Grass Branch Road and Hinkle Road.

Problem


The most critical problem to be corrected is the lack of a good outlet for the legal drain tile. Farmers have reported many blow holes far removed from the outlet. For several hundred feet before the outlet; water from the tile either bubbles up and flows over the ground or flows through the broken tile. The open channel downstream from the tile outlet winds about and varies in cross-sectional area. Erosion occurs where the channel turns abruptly and flooding can occur if the cross-sectional area is not large enough. Also there is at least one place along the ditch where surface water breaking over the bank has caused an erosion problem.

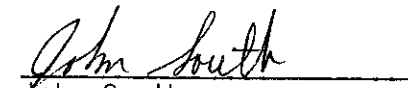
Soils Information

Brookston - level, deep, very poorly drained, moderately permeable.  
Shoals - level, deep, somewhat poorly drained subject to flooding from ditch, seasonal high water table.

Recommendations

The tile should be removed and replaced with an open ditch from the old headwall to where the tile is in good condition. Replacing the tile is not economically sound in this case. A structure will be installed at the head of the ditch to control the surface water and protect the tile outlet. The outlet will be further protected with a 20' foot section of CMP and animal guard. The open ditch from the outlet to State Road 38 will be completely reconstructed. All tile outlets into the ditch will be protected with a CMP and animal guard. From State Road 38 downstream the channel should receive attention only where problems occur. Corrections include straightening and protecting curves, removing log jams and silt bars.

  
Tom Schellenberger  
District Conservationist SCS

  
John South  
SWCD Engineer

TS/JS/jmo

SPECIAL INSTRUCTIONS

Construction Notes for Beals and Cox Legal Drain

1. Reconstruct channel from new headwall ( 0+00) to station 31+00.  
Dimensions: 2:1 side slopes  
4' bottom width  
0.36 % grade
2. Rockchute is to be placed @ station 0+00. The location will be marked and if there is any doubt the contractor is to contact the surveyor or John South, SWCD Engineer.
3. The old head wall at station 20+100 is to be removed and buried.
4. Riprap the bend on the east side at station 27+00 just south of State Road 38.
5. Recut the channel from 28+00 to eliminate the sharp bend. The cut should be less than four feet. The existing channel will be filled.
6. Protect corner at station 32+00, east bank.
7. Straighten the horse shoe bend at station 30+50 with a new channel. The new channel must have the same cross-sectional area as the present channel. Fill in the old channel. ~~Fill in the old channel.~~ Ten trees must be cut where the new channel is to be placed.
8. Straighten and riprap the bend at station 40+00.
9. From station 44+00 to 45+50 the sharp bends are to be replaced with one gentle curve. Riprap may be needed to protect the west or south bank.
10. A corrugated metal pipe with animal guard will be placed over all exposed tiles.
11. Special caution and care must be taken when working on Malcomb Bray's property.
12. Use seven inch graded riprap where riprap is called for.
- ~~13. Trees are to be removed that are on the slope or prevent construction.~~
- ~~14. There are several tile holes that need to be repaired in the legal drain. These blow holes are from Grassy Branch Road to the new headwall site. The tile is a 15" at the outlet.~~

13 14. At approximately STA 16+00 A CROSSING IS TO BE PLACED ACROSS THE DITCH. EITHER A ROCK CHUTE OR A PIPE CROSSING WILL BE USED. THESE ARE TO BE BID AS ALT. A & B.

15. The digging is to be done on:  
the south side from 0+00 to 20+50 (where fence begins)  
the north side from 20+50 to the end.
16. Seeding will occur at the end of each day during construction.  
It is very important to seed while the ground is still moist.

Seeding rates:      30#/acre of fescue  
                             10#/acre of rye grass  
                             600#/acre 12-12-12 fertilizer  
                             2 bales of straw/structure site

17. Bench marks:

- TBM#1 - Nail in south side of corner post -  
100' North of station 1+00  
El. - 100.0
- TBM#2 - Nail in south side of head post, 30' north of  
ditch at station 11+25  
El. 93.0
- TBM#3 - Nail in south side at corner post, 30' south  
at ditch at station 20+75  
El. 90.48
- TBM#4 - Orange dot on the south west corner of the south  
wall, State Road 38 bridge  
El. 89.11
- TBM#5 - Nail in tree 50' west of station 33+00  
El. 89.23
- TBM#6 - Nail in north side of corner post 75' south of  
ditch at station 39+50  
El. 83.22
- TBM#7 - Nail in tree station 46+00  
El. 80.01



6 Digging new channel to eliminate horse shoe bends  
300' @ \$4.00/ft \$1200

7 Clearing - 1/4 ac @ \$1200/ac \$300  
if Malcomb Bray does his clearing

8 Seeding 4.5 ac @ \$300/ac \$1350  
6 bales of straw  
for structure @ \$4/bale \$24

9 Repair fence - unknown cost

Sub-total \$14117

~~Contingencies~~ 1411

Total 15528

# CK INTO X-ING ON LOWE PROPERTY

## Cost Estimate

### 1. Repair 30' of 15" tile

Material - 30' @ \$2.80/ft \$84

Labor - 6 hrs @ \$40/hr \$240

### 2. Rock chute headwall

7" Graded Riprap 92<sup>Ton</sup> @ \$12/Ton \$1104

Bedding 36<sup>Ton</sup> @ \$10/Ton \$360

20' of 18" HCMF @ \$11/ft \$220

18" Animal Guard \$35

Installation \$500

### 3. Excavation

0+00-10+00 3.5' new channel \$3.00/ft \$3000

10+00-19+00 1.5' cut @ \$2.50/ft \$2250

19+00-33+00 10' cut @ \$1.75/ft \$2450

### 4. HCMF - thought to be needed but not positive

2- 8" CMP

2- 6" CMP

### 5. Riprap protection for four bends 10<sup>Ton</sup>/bend

40<sup>Ton</sup> of 7" Graded Riprap @ \$12/Ton \$480

Labor - 8 hrs @ \$65/hr \$520

Cost Estimate \$2000  
120 Ton of stone

Colverts

2 - 4' Colverts needed

Cost Estimate

60' of 4' Pipe<sup>35/41</sup> \$2000

stone + Installation 1200  
of pipes

~~\$3000~~  
\$3300



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	TILE PER LINEAL FOOT				CONCRETE or CLAY
	"	"	"	"	
4 inch	"	"	"	"	_____
5 inch	"	"	"	"	_____
6 inch	"	"	"	"	_____
8 inch	"	"	"	"	_____
10 inch	"	"	"	"	_____
12 inch	"	"	"	"	_____
14 inch	"	"	"	"	_____
16 inch	"	"	"	"	_____
18 inch	"	"	"	"	_____
20 inch	"	"	"	"	_____
22 inch	"	"	"	"	_____
24 inch	"	"	"	"	_____
27 inch	"	"	"	"	_____
30 inch	"	"	"	"	_____

	CORRUGATED PIPE PER LINEAL FOOT				16GA	14GA	12GA	ANIMAL GUARD
	"	"	"	"				
8 inch	"	"	"	"	_____	_____	_____	_____
10 inch	"	"	"	"	_____	_____	_____	_____
12 inch	"	"	"	"	_____	_____	_____	_____
15 inch	"	"	"	"	_____	_____	_____	_____
18 inch	"	"	"	"	_____	_____	_____	_____
21 inch	"	"	"	"	_____	_____	_____	_____
24 inch	"	"	"	"	_____	_____	_____	_____
30 inch	"	"	"	"	_____	_____	_____	_____
36 inch	"	"	"	"	_____	_____	_____	_____

CONCRETE PER CUBIC YARD

\_\_\_\_\_

STONE OR CONCRETE RIPRAP PER CUBIC YARD

\_\_\_\_\_

DIRT FILL PER CUBIC YARD

\_\_\_\_\_

GRAVEL FILL PER CUBIC YARD

\_\_\_\_\_

MACHINE PRICE PER HOUR WITH OPERATOR

CRANE

\_\_\_\_\_

BULLDOZER

\_\_\_\_\_

BACKHOE WITH LOADER

\_\_\_\_\_

TRUCK

1/2 Ton \_\_\_\_\_

3/4 \_\_\_\_\_

1 Ton \_\_\_\_\_

2 Ton \_\_\_\_\_

Over 1 Ton \_\_\_\_\_

LABOR PER HOUR (NOT INCLUDING MACHINE OPERATORS)

SUPERVISORS

\_\_\_\_\_

LABORERS

\_\_\_\_\_

OTHER BIDS ITEMS

THE ABOVE BID HAS BEEN SUBMITTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 19 \_\_\_\_\_

BY: \_\_\_\_\_  
Name of Bidder

By: \_\_\_\_\_  
Signed for Bidder

CONTRACT

The Bid of \_\_\_\_\_ having been accepted, the Hamilton County Drainage Board, party of the first part, herein after called the "Board" and \_\_\_\_\_ as the party of the second part, herein after called the "Contractor" hereby constitute theses Plans and Specifications and the said bid as the contract between the said Parties for the Reconstruction of the \_\_\_\_\_ Drain.

The said bid is hereby incorporated by reference. Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

HAMILTON COUNTY DRAINAGE BOARD

BY: \_\_\_\_\_  
Chairman

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
(Name of the second party)

BY: \_\_\_\_\_



U.S. Department of Agriculture  
Soil Conservation Service

SCD	Date	8-31-79
Work Unit	Noblesville	
Name	Beals + Cox Drain	
Individual	<input checked="" type="radio"/> Group <input type="radio"/> Unit of Govt. <small>(circle one)</small>	
Job	Survey Open Drain + Str.	
Design Sur.	<input checked="" type="checkbox"/>	Const. Layout
Const. Check	<input type="checkbox"/>	Other
GPCF No.	Field No.	
C.I. No.		
REAP No.		
Legal Description	Sec	T R
Location:	or	

SCS-ENG-28 (1-72)

Sta.	B.S.	H.I.	F.S. or Grade Rod	Elev. or Planned Elev.	Notes
0+00		106.05	12.55	93.4	INVERT 15" T&E TOP 12" T&E CORNER POINT NORTH +15' W/ST +25' +40 +50' +40 +40' +30
			11.25	94.8	
			8.55	97.5	
			9.5	96.5	
			8.9	97.1	
			8.7	97.3	
			8.2	97.8	
			10.2	95.8	
1+00 <sub>GS</sub>			8.85	97.1	NAIL IN CORNER POST SOUTH SIDE NORTH STATION
BM <sup>71</sup>	6.05	6.05		100.0	
2+00 <sub>GS</sub>		106.05	11.10	94.9	
			9.8	96.2	
3+00 <sub>GS</sub>			11.4	94.6	
			10.2	95.8	
4+00 <sub>GS</sub>			12.8	93.2	
			11.2	94.8	
5+00 <sub>GS</sub>			12.8	93.9	
			11.5	94.5	
TP	1.7	98.55	9.2	96.85	
6+00 <sub>GS</sub>			5.0	93.5	
			4.5	94.0	
7+00 <sub>GS</sub>			6.7	91.8	
			4.4	94.1	

GPO : 1972 O - 458-713

Sta.	B.S.	H.I.	F.S. or Grade Rod	Elev. or Planned Elev.
8+00 <sub>2</sub>			7.8	90.7
GS			4.8	93.7
9+00 <sub>2</sub>			8.7	89.8
GS			<del>6.0</del> 8.7	92.5
TP	54	97.35	6.6	91.95
10+00 <sub>2</sub>			8.2	89.1
11+00 <sub>2</sub>			8.1	89.2
GS			6.0	91.3
BM#2			4.35	93.0
12+00 <sub>2</sub>			8.5	88.8
GS			7.1	90.2
13+00 <sub>2</sub>			8.7	88.6
GS			6.4	90.9
14+00			8.9	88.4
GS			7.4	89.9
15+00			9.6	87.7
GS			7.8	89.5
TP	52	94.93	7.62	89.73
16+00			6.9	88.0
17+00			8.0	86.9
GS			5.4	89.5
18+00			8.4	86.5
GS			6.7	88.2

SCS-ENG-29  
(5-70)

GPO : 1970 O-385-053

Sta.	B.S.	H.I.	F.S. or Grade Rod	Elev. or Planned Elev.
19+10			4.6	92.7
GS			5.1	92.2
20+00			7.5	89.8
GS			4	91.1
20+10			6.9	89.4
20+20			4.8	92.6
GS			4.6	92.7

SOUTH SID  
RAIL IN INTERSECTION ON NORTH SIDE ONLY SEE 11+25

21+10			4.2	90.7
GS			5.2	88.7
22+00			6.3	88.0
GS			5.0	88.1
23+00			5.0	88.8
GS			4.7	89.2



Sta.	B.S.	H.I.	F.S. or Grade Rod	Elev. or Planned Elev.
TP	5.9	94.38	2.2	89.48
BM#3			5.0	89.38
TP	8.15	97.58	4.95	89.43
BM#2			5.72	91.86
TP	6.1	97.98	5.70	91.88
TP	9.57	106.05	1.5	96.48
BM#1			7.2	98.85
BM#1		106.5	6.5	100
TP	3.8	100.9	9.4	97.1
BM#2			7.9	93
TP	4.4	95.5	9.8	91.1
BM#3			5.0	90.5
TP	3.35	90.45	8.4	87.1
BM#4			1.35	89.10
BM#4	1.65	90.76	1.65	89.11
27+00			8.7	82.1
27+20			8.3	82.5
GS			5.9	84.9
28+50			9.5	81.3

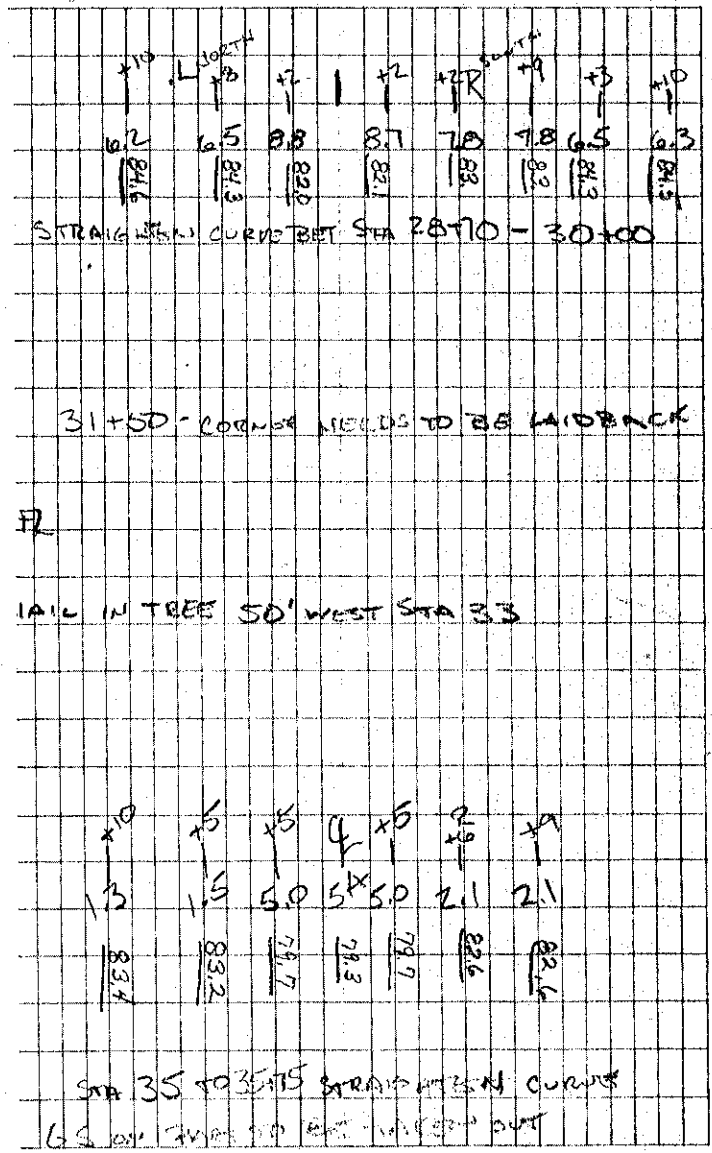
SCS-ENG-29 (5-70) GPO : 1970 O-385-053

WORK SIDE - 0+00 - 20+75 SOUTH  
20+75 - 26+70 NORTH

*(Handwritten notes and scribbles)*

ORANGE DOT SW/COR South Wall BRIDGE  
NORTH SIDE BRIDGES  
FL - BURIED TELE. CABLE - GENTLE & BELL

Sta.	B.S.	H.I.	F.S. or Grade Rod	Elev. or Planned Elev.
165			7.1	89.7
29+00			9.6	81.2
TP	6.34	92.88	4.22	86.54
30+00			12.5	80.4
65			9.0	83.9
31+00			12.3	80.6
65			9.6	83.3
32+00			13.0	79.9
65			9.6	83.3
33+00			13.4	79.5
65			8.9	84.0
BM#5			3.65	89.23
TP	0.98	89.66	4.2	88.68
BM#4			0.58	89.08
BM#5	.14	89.27		89.23
TP	2.42	84.75	7.04	82.33
34+00			5.4	79.3
<del>65</del>				
35+00			5.3	79.4
65			2.0	82.7
TP	4.39	86.79	2.35	82.40
35+50			4.8	82.0



SCS-ENG-29  
(5-70)

GPO : 1970 O-385-053

36+00			7.5	79.3
-------	--	--	-----	------

Sta.	B.S.	H.I.	F.S. or Grade Rod	Elev. or Planned Elev.
36+00			7.5	79.3
65			5.0	81.8
37+00			8.5	78.3
65			4.9	81.9
TP	5.25	86.19	5.85	80.94
38+00			8.4	77.8
65			5.25	81.0
38+75			8.3	77.9
38+89			8.5	77.7
39+00			9.1	77.1
65			4.3	81.9
BM #6			2.97	83.22
40+00			8.5	77.7
65			5.6	80.6
41+00			9.5	76.7
TP	5.9	88.99	3.6	82.59
42+00			12.1	76.4
65			8.0	80.5
43+00			12.8	75.7
65			8.6	79.9
TP	2.2	84.41	6.28	81.1

SCS-ENG-29  
(5-70)

GPO : 1970 O--385-053

Field of Line							
WEST SD CROSSING - 6' CMPTW/CONCRETE							
EAST SD CROSSING							
RAIL IN NORTH GO COR PASTE SOUTH STA 39+50							
STA 40 - 40+50 RIP RAP EAST BANK							
AND STRAIGHTEN STA 40+50 TO 41+00							
19	17	14	11	8	5	2	0
60	62	85	95	92	62	55	
80	80	77	76	77	80	80	
70	80	77	76	77	80	80	
EAST OF DOWN							

Sta.	B.S.	H.I.	F.S. or Grade Rod	Elev. or Planned Elev.
44+00			8.3	76.1
65			5.7	79.2
45+00			8.6	75.8
65			5.6	78.8
			5.0	79.4
46+00			8.8	75.6
65			5.3	79.1
BM#7	3.1	83.11	4.4	80.01
47+00			8.7	74.4
65			4.6	78.5
48+00			8.0	75.1
65			4.5	78.6
49+00			9.0	74.1
TP	14.0	89.91	7.2	75.91
TP	3.2	90.71	2.9	87.01
TP	4.4	92.12	2.02	88.10
TP	4.7	91.23	6.10	86.53
BM#4			2.1	89.13

STRAIGHTEN FROM STA 44 TO STA 46+50 w/ GENTLE CURVE											
GSON WITH 12 TO BE STRAIGHTENED											
NAIL IN TRUS STA 46											

SCS-ENG-29  
(5-70)

GPO : 1970 O-385-083





# Hamilton County Soil and Water Conservation District

P. O. Box 279

925 Division Street  
NOBLESVILLE, INDIANA 46060

Phone: 773-1406

Hamilton County Drainage Board  
County Court House  
Noblesville, Indiana 46060

Dear Drainage Board Members,

Pursuant to your request, the attached report was prepared for your consideration concerning the Beals and Cox Legal Drain

---

The report was prepared in accordance with the provisions as set forth in the joint Memorandum of Understanding between the two governing bodies.

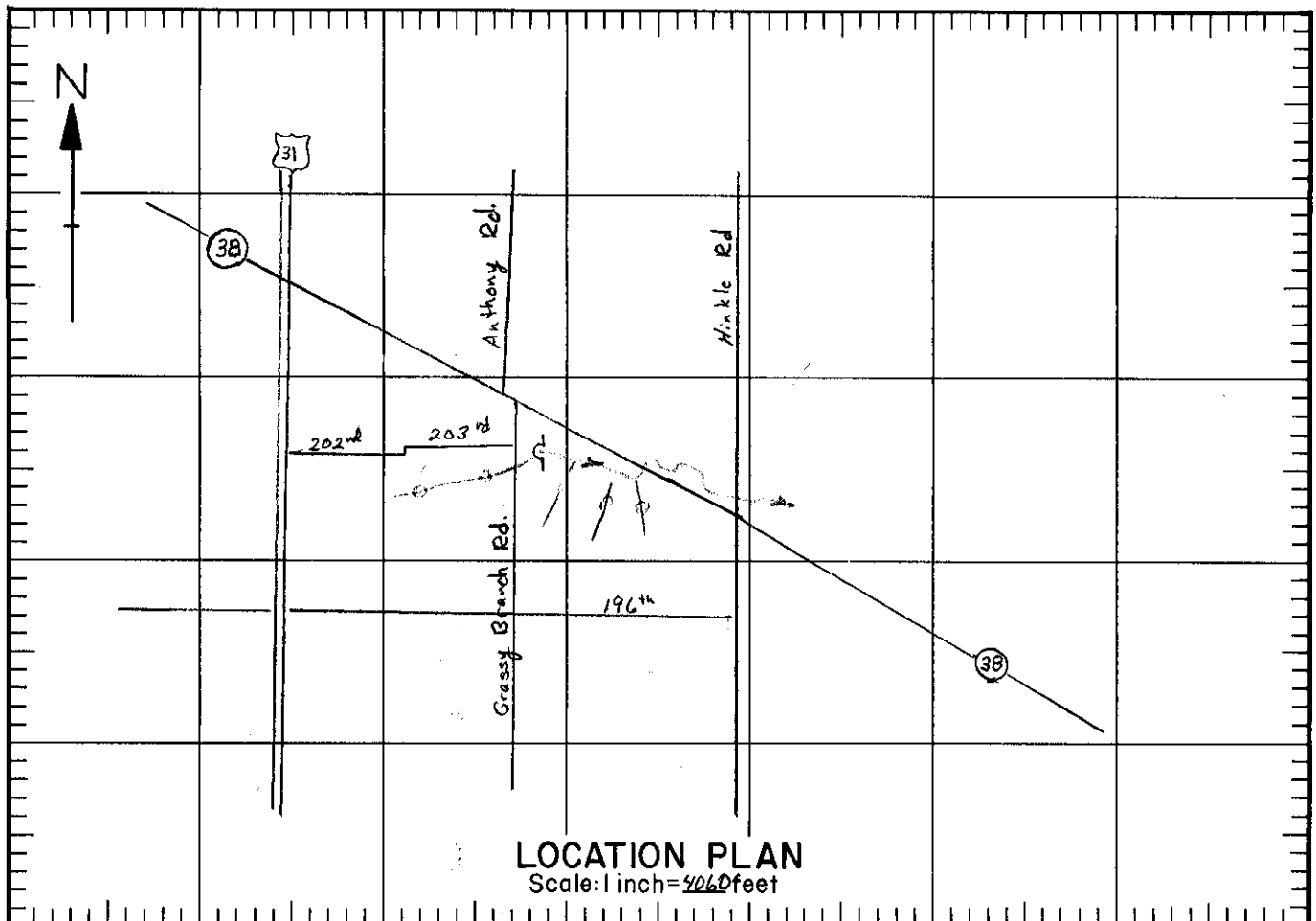
This basic resource information, plans and/or specifications, provided by the District with assistance of the Soil Conservation Service is for the purpose of the Drainage Board in making land treatment decisions as they relate to legal drains. The District is not empowered with this responsibility.

The District will continue to provide assistance to the Drainage Board or its representative on the above mentioned project, upon request to the District.

Respectfully,

Gavin Stuart  
Chairman  
District Board of Supervisors

GS/sm



**LEGEND**

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

**DESIGN DETAILS**

Line	Stations	Drain area acres	Drain curve	Grade %	Velocity ft./sec.	Ditch dimensions			Capacity		
						Depth feet	Top feet	Bottom feet	Side	Req'd. c.f.s.	Avail. c.f.s.
1	0+00-3+00	39.3	B	0.36	3.8	4.0		4'	2:1	52	96

Quantities: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**DRAINAGE DITCH PLAN**

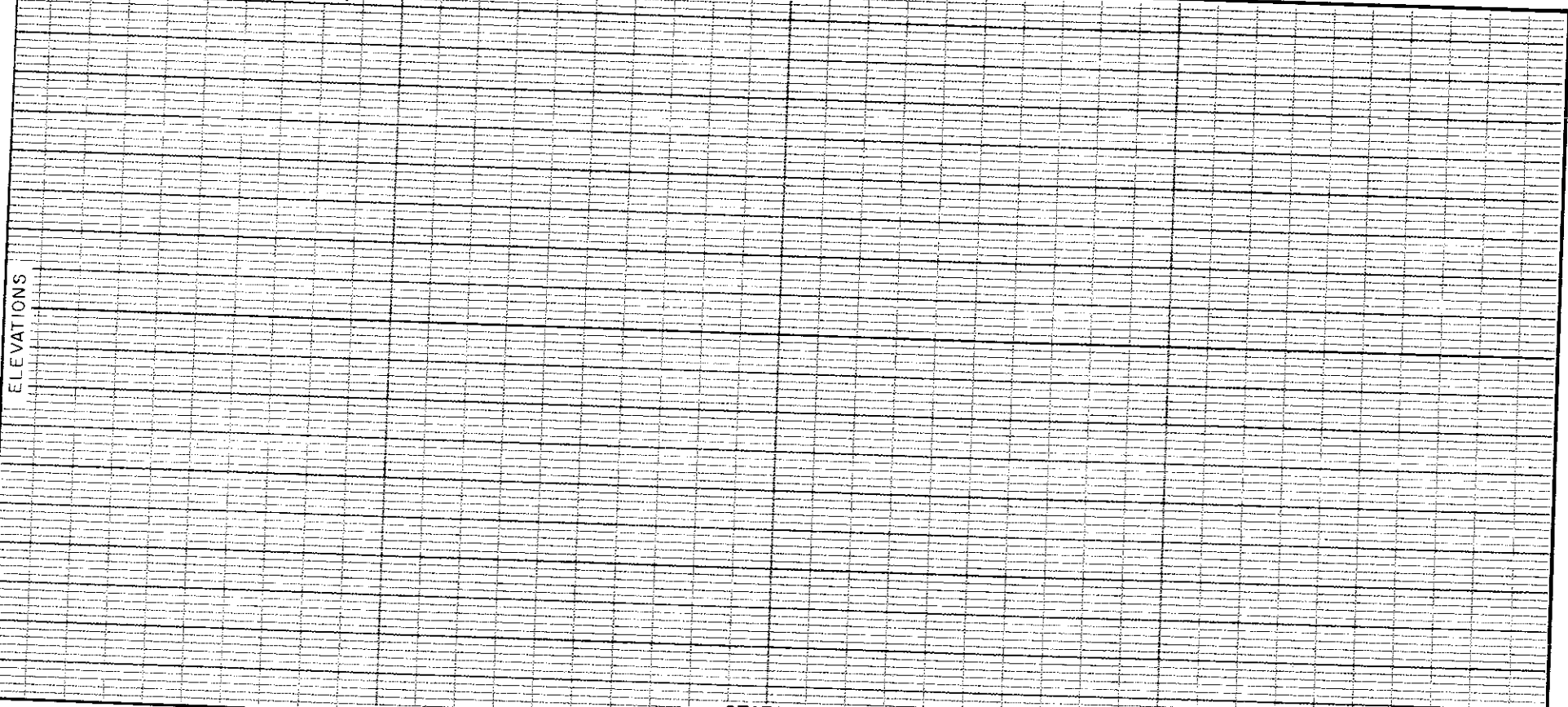
NAME Beals + Cox Drain

**U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE**

Designed <u>F. South</u>	Date _____	Approved by <u>[Signature]</u>
Drawn _____		Title _____
Checked <u>D. Wall 2/50</u>		Title _____
Reviewed _____		Sheet _____ Drawing No. _____

No. IN-ENG-33  
of \_\_\_\_\_

PROFILE (OPTIONAL)



5, L-34,776-2(2)

QUANTITIES

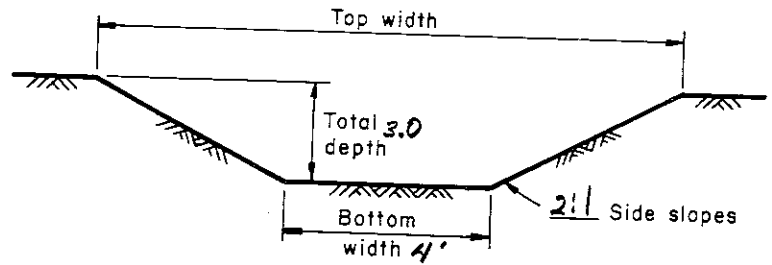
TOTAL LENGTH DITCHES CONSTRUCTED 3100 LIN. FT.

AREA BENEFITTED 333 ACRES

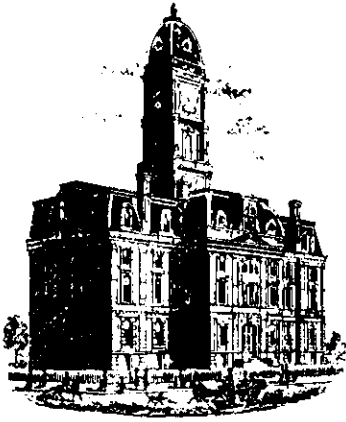
I CERTIFY THAT THIS JOB MEETS ALL THE REQUIREMENTS OF THE INDIANA STANDARDS AND SPECIFICATIONS FOR DRAINAGE FIELD DITCH (CODE 590) OR DRAINAGE MAIN OR LATERAL (480) AND THE PLANS AS DESIGNED.

CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

REMARKS: \_\_\_\_\_



TYPICAL CROSS SECTION



SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, Surveyor*

Phone (317) 776-8495

Fax (317) 776-9628

Suite 146

One Hamilton County Square

Noblesville, Indiana 46060-2230

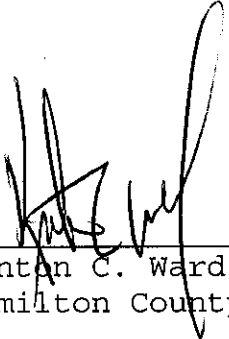
August 7, 1998

TO: HAMILTON COUNTY DRAINAGE BOARD

RE: Beals and Cox Drain

Attached is a petition and plans for the particle reconstruction of the Beals and Cox Drain filed by Brehon Properties, LLC. The proposed reconstruction will not require the relocation of the existing open ditch. The reconstruction will involve the dredging of the open ditch to a point 800 feet downstream of the tile outlet for the drain. This will be done as shown on the profile, which is attached. This work was required as a condition of development for the proposed landscape nursery on the Brehob site. A bond has been submitted for the performance of this work.

The reconstruction is to be preformed on the Brehob property at the petitioner's expense. Therefore, I believe that the Board may approve the proposed work under IC 36-9-27-27-52.5

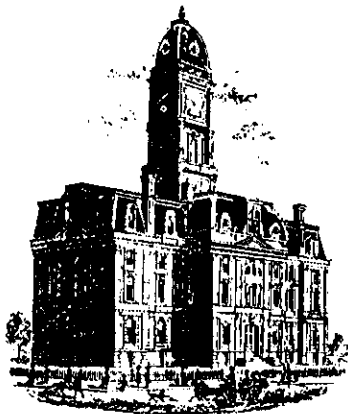
  
\_\_\_\_\_  
Kenton C. Ward  
Hamilton County Surveyor

TO: HCLDB

RE: BEALS & COX DRAIN

TP  
ATTACHED IS A PETITION AND PLANS FOR THE PARTIAL RECONSTRUCTION OF THE BEALS & COX DRAIN FILLED BY BRECHER PROPERTIES LLC. THE PROPOSED RECONSTRUCTION WILL NOT REQUIRE THE RELOCATION OF THE EXISTING OPEN DITCH. THE RECONSTRUCTION WILL INVOLVE THE DRESSING OF THE OPEN DITCH TO A POINT 800 FEET DOWNSTREAM OF THE TILE OUTLET FOR THE DRAIN. THIS WILL BE DONE AS SHOWN ON THE PROFILE WHICH IS ATTACHED. THIS WORK WAS REQUIRED AS A CONDITION OF DEVELOPMENT FOR THE PROPOSED LANDSCAPE NURSERY ON THE BRECHER HOE SITE. A BOND HAS BEEN SUBMITTED FOR THE PERFORMANCE OF THIS WORK.

THE RECONSTRUCTION IS TO BE PERFORMED ON THE BRECHER PROPERTY AT THE PETITIONER'S EXPENSE. THEREFORE, I BELIEVE THAT THE BOARD MAY APPROVE THE PROPOSED WORK UNDER IC 36-9-27-52.5



SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, Surveyor*

*Phone (317) 776-8495*

*Fax (317) 776-9628*

*Suite 146*

*One Hamilton County Square*

*Noblesville, Indiana 46060-2230*

M.L. Anderson Construction Inc.  
1620 Smith Valley Road  
Greenwood, IN 46142

September 15, 1999

Re: Final Inspection - Beals & Cox Regulated Drain  
Brehob Nursery, 4867 Sheridan Road

On September 9, 1999 the Hamilton County Surveyor's Office made a final inspection of the improvements to the Beals and Cox Regulated Drain on the Brehob property located at 4867 Sheridan Road. All items addressed on June 24, 1999 during my on site meeting with Ken Bush of M.L. Anderson Construction have been completed satisfactorily.

This office will need to receive record drawings (as-built drawings) for the reconstruction prior to the release of sureties.

Please feel free to contact me at 776-8495 if I may be of further assistance to you.

Sincerely,

Andrew D. Conover

CC: Brehob Nursery  
Banning Engineering

CERTIFICATE OF COMPLETION AND COMPLIANCE

**FILED**

FEB 11 2000

OFFICE OF HAMILTON COUNTY SURVEYOR

To: Hamilton County Surveyor

Re: RECONSTRUCTION OF BEANS & COX DRAIN - BREHOB NURSERY

I hereby certify that:

1. I am a Registered Land Surveyor or Engineer in the State of Indiana .
2. I am familiar with the plans and specifications for the above referenced subdivision .
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced subdivision .
4. The drainage facilities within the above referenced subdivision to the best of my knowledge , information and belief have been installed and completed in conformity with all plans and specifications .

Signature: Jeffrey A. Banning Date: 2/9/2000

Type or Print Name: JEFFREY A. BANNING

Business Address: 698 TOWER ROAD, SUITE 100  
PLAINFIELD, IN 46168

Telephone Number: 317-839-2581

SEAL



INDIANA REGISTRATION NUMBER

19300091

INTERCARGO INSURANCE COMPANY  
1450 E American Lane, 20th Floor  
Schaumburg, IL 60173-5458



PERMIT PERFORMANCE BOND

Bond No. LF01-08625 Principal Amount \$5,000.00

KNOW ALL MEN BY THESE PRESENTS, that we Brehob Properties, LLC,  
as Principal and Intercargo Insurance Company  
an Illinois Corporation, as Surety, are held and firmly bound unto  
Hamilton County Board of Commissioners  
in the penal sum of Five Thouand and 00/100 (Dollars)  
( \$ 5,000.00 ), lawful money of the United States of America, for the payment of which well  
and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and  
assigns, jointly and severally, firmly by these presents.

WHEREAS, Brehob Properties, LLC  
has received a permit to construct at 4867 Sheridan Road, Noblesville, IN  
in Hamilton County, IN the following improvements:  
Reconstruction of Beals and Cox Drain

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said  
Principal shall construct, or have constructed, the improvements herein described, and shall save  
the Obligee harmless from any loss, cost or damage by reason of its failure to complete said work,  
then this obligation shall be null and void, otherwise to remain in full force and effect, and the  
Surety, upon receipt of a resolution of the Hamilton County Commissioners Board indicating that the  
improvements have not been installed or completed, will complete the improvements or pay to the  
Municipality such amount up to the Principal amount of this bond which will allow the municipality to  
complete the improvements.

Signed, sealed, and dated, this 31st Day of July, 1998.

Brehob Properties, LLC.  
Principal

BY: \_\_\_\_\_

Intercargo Insurance Company  
Surety

BY: Rus Brodhead  
Rus Brodhead, Attorney at Law #166





VOID IF NOT USED BY:
09/29/1998
No Power of Attorney on this form shall be valid as to bonds, undertakings, recognizances or other written obligations in the nature thereof executed on or after said expiration date.



**INTERCARGO INSURANCE COMPANY**  
 1450 East American Lane • 20th Floor  
 Schaumburg, Illinois 60173-6488  
 1-800-394-3924

approval code



POWER #

LF01-08626

PRINCIPAL	Brehob Properties LLC 4316 Bluff Road., Indianapolis, IN 46217	
OBLIGEE	Hamilton County Board of Commissioners One Hamilton Square, Noblesville, Indiana	
DESCRIPTION & LOCATION OF OBLIGATION	Permit Performance Bond Location :Noblesville, IN	
PENAL SUM	PRINCIPAL TAX ID.	PROJECT #
\$5,000.00		misc

## LIMITED POWER OF ATTORNEY

To be used only in conjunction with the bond specified herein.

*This Power of Attorney may not be used in conjunction with any other Power of Attorney. This Power of Attorney is void if altered or erased. This Power of Attorney bears the numbered seal of INTERCARGO INSURANCE COMPANY. No representations or warranties regarding this Power of Attorney may be made by any person other than an authorized officer of INTERCARGO INSURANCE COMPANY, and must be in writing. Questions or inquiries regarding this Power of Attorney must be addressed to INTERCARGO INSURANCE COMPANY, Attention: Contract Bond Underwriting Department. This Power of Attorney shall be governed by the laws of the State of Illinois.*

KNOW ALL MEN BY THESE PRESENTS: That INTERCARGO INSURANCE COMPANY, a corporation organized and existing by virtue of the laws of the State of Illinois does hereby nominate, constitute and appoint:

**Rus Brodhead**

its true and lawful Attorney-in-fact to make, execute, attest, seal and deliver for and on its behalf, as surety, and as its act and deed, where required, any and all bonds, undertakings, recognizances and written obligations in the nature thereof, as follows:

**Bid Bonds up to \$600,000**  
**License & Permit and Miscellaneous bonds up to \$500,000**  
**Performance & Payment Bonds up to \$3,000,000.00**  
**Court Bonds up to \$500,000.00**

Such bonds and undertakings, when duly executed by the aforesaid Attorney-in-fact shall be binding upon the said Company as fully and to the same extent as if such bonds and undertakings were signed by the President and Secretary of the Company and sealed with its corporate seal. This appointment is made under and by authority of the By-Laws of the Company, which are now in full force and effect.

STATE OF ILLINOIS 33-  
 COUNTY OF COOK

I, Michael L. Rybak Secretary of the INTERCARGO INSURANCE COMPANY a corporation of the State of Illinois, do hereby certify that the above and foregoing is a full, true and correct copy of Power of Attorney issued by said Company, and that I have compared same with the original and that it is a correct transcript therefrom and of the whole of the original and that the said Power of Attorney is now in full force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company, at

Schaumburg, Illinois this 31st day of July, 98



*Michael L. Rybak*  
 SECRETARY

## RESOLUTIONS OF THE BOARD OF DIRECTORS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company on the 5th day of December, 1988:

"RESOLVED, That the President, or any Vice President of the Company or any person designated by any one of them is hereby authorized to execute Powers of Attorney qualifying the attorney named in the given Power of Attorney to execute in behalf of the Company, bonds, undertakings and all contracts of suretyship, and that any Secretary or any Assistant Secretary of the Company be, and that each or any of them hereby is authorized to attest the execution of any such Power of Attorney, and to attach thereto the Seal of the Company.

FURTHER RESOLVED, That the signature of such officers and the Seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be thereafter valid and binding upon the Company with respect to any bond, undertaking or contract of suretyship to which it is attached."

Bonds executed under this Power of Attorney may be executed under facsimile signature and seal pursuant to the following Resolution adopted by the Board of Directors of the Company on April 4, 1987:

"RESOLVED, That the signature of James R. Zuhike, as President of this Corporation, and the seal of this Corporation may be affixed or printed on any and all bonds, undertakings, recognizances, or other written obligations thereof, on any revocation of any Power of Attorney, or on any certificate relating thereto, by facsimile, and any Power of Attorney, any revocation of any Power of Attorney, bonds, undertakings, recognizances, certificate or other written obligation, bearing such facsimile signature or facsimile seal shall be valid and binding upon the Corporation."

IN WITNESS WHEREOF, the INTERCARGO INSURANCE COMPANY has caused its corporate seal to be here unto affixed, and these presents to be signed by its duly authorized officers this 10th day of September, 1996.



STATE OF ILLINOIS SS.  
COUNTY OF COOK



INTERCARGO INSURANCE COMPANY

*James R. Zuhike*  
\_\_\_\_\_  
PRESIDENT

*Michael L. R. [unclear]*  
\_\_\_\_\_  
SECRETARY

TEST:

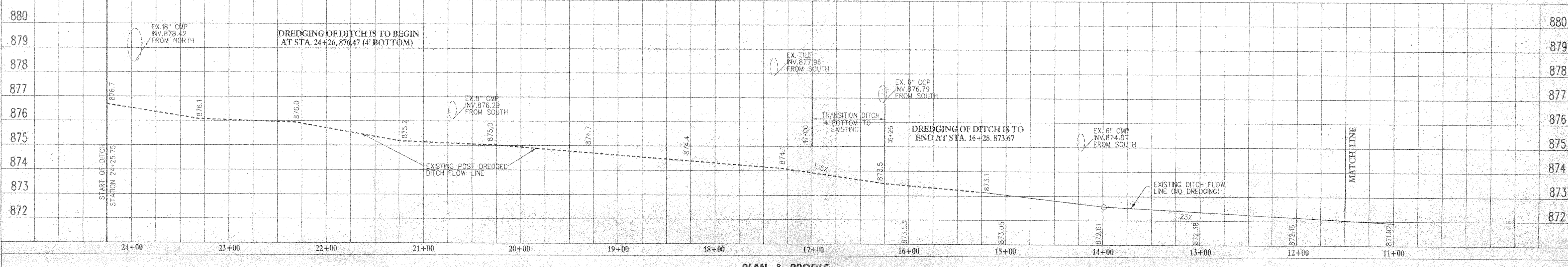
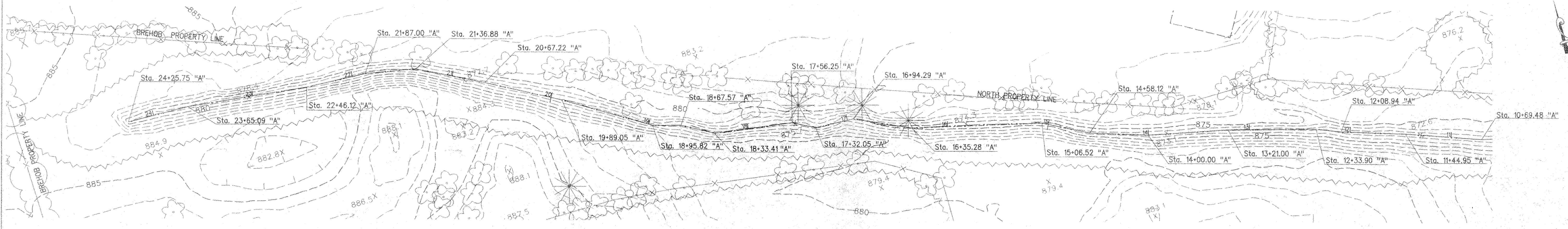
On this 10th day of September, 1996 before me personally came James R. Zuhike to me known, who, being duly sworn, did depose and say: that he is President of the Corporation described in and which executed the above instrument; that he knows the seal of said Corporation; that the seal affixed to the aforesaid instrument is such corporate seal and was affixed thereto by order and authority of the Board of Directors of said Company; and that he executed the said instrument by like order and authority.



*Elizabeth Bratcher*  
\_\_\_\_\_  
NOTARY PUBLIC

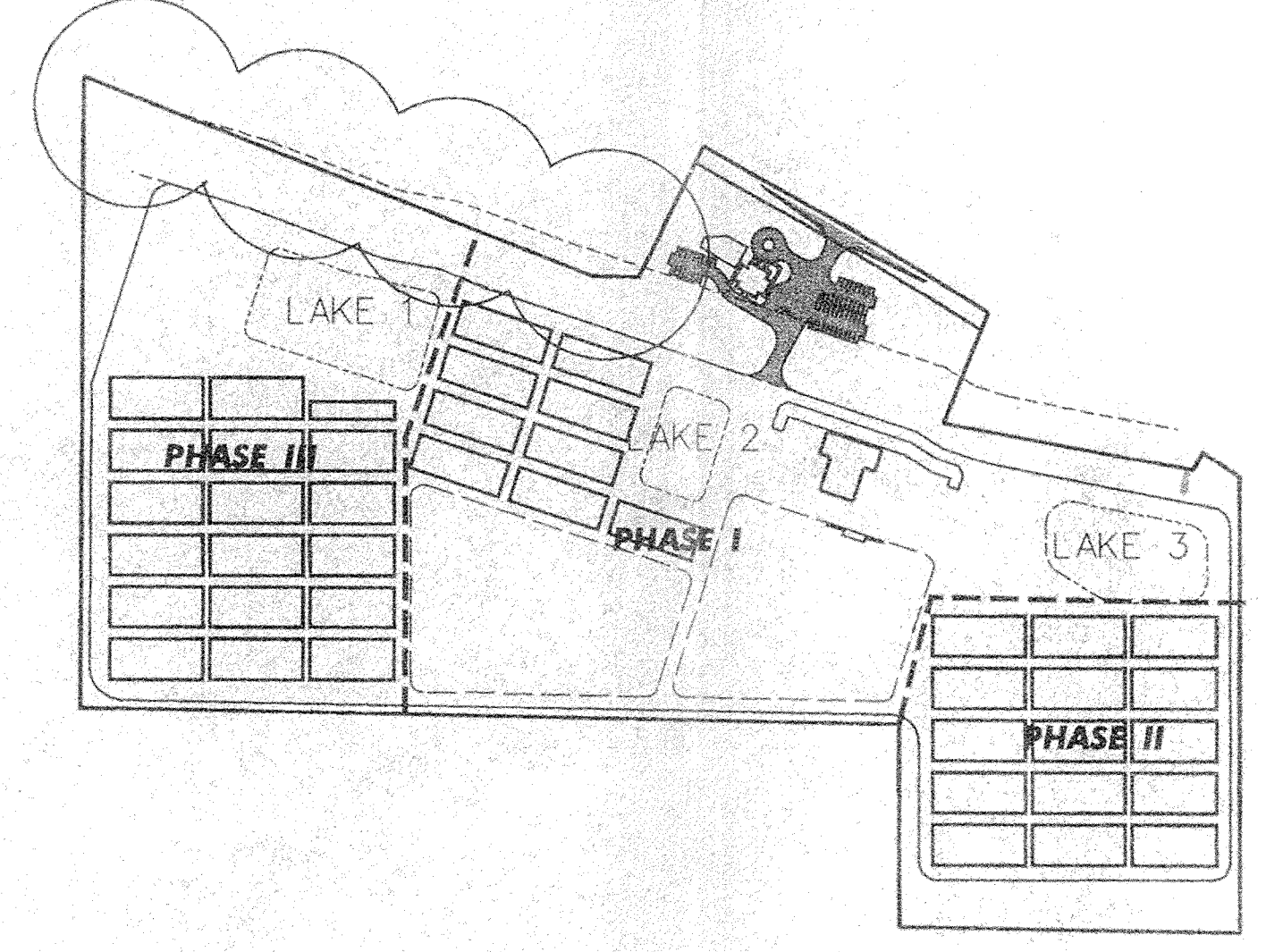


RECORD DRAWING



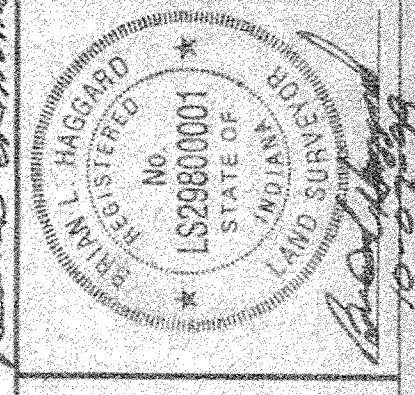
PLAN & PROFILE

RECORD DRAWING AREA



Designated	Drawn	Checked	Scale	Date
L.G.F.	CD	J.A.B.	1"=50'	10/7/99
Revisions				
Date				

BEALS & COX DITCH RECORD DRAWING  
 BREHOB NURSERY  
 4867 SHERIDAN ROAD - NOBLESVILLE  
 HAMILTON COUNTY, IN.



**BANNING ENGINEERING, P.C.**  
 CIVIL ENGINEERING ~ LAND SURVEYING  
 698 TOWER ROAD, SUITE #100, PLAINFIELD, INDIANA 46168  
 (317) 839-2583, FAX (317) 838-9171

**FILED**  
 OCT 1 1999  
 OFFICE OF HAMILTON COUNTY SURVEYOR

Project No: 97-9-364  
 Sheet No: