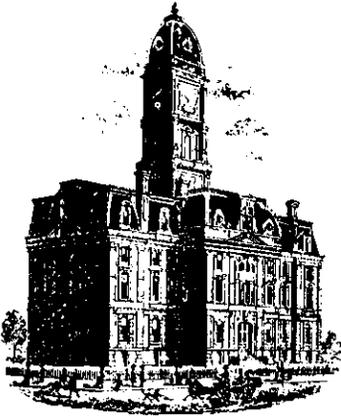


Drain: HIDDEN BAY DRAW **Drain #:** 314
Improvement/Arm: HIDDEN BAY-SECTION
Operator: JDH **Date:** 6-22-04
Drain Classification: Urban/Rural **Year Installed:** 2000

GIS Drain Input Checklist

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



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

April 23, 1999

TO: Hamilton County Drainage Board

RE: Hidden Bay Drain

Attached is a petition, plans, cost estimate, quantity summary and assessment roll for the Hidden Bay Drain. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable; will improve the public health; benefit a public highway and be of public utility; and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited.

Two options have been developed for the proposed drain. Option one consists of the construction of a pipe extension and riprap mattress to the reservoir. Option two is the construction of a system of gabion baskets and riprap mattress to the reservoir. The cost estimates for each are as follows:

Option One:

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Clearing	1	Lump sum	\$4,000.00	\$4,000.00
Filter Strip	1	acres	\$3,100.00	\$3,100.00
Mulch Seeding	100	Sys	\$0.75	\$75.00
Manhole	1	Each	\$2,500.00	\$2,500.00
Reno Mattress	111	Tons	\$32.00	\$3,522.00
Pipe: Concrete Pipe 18"	25	Lft	\$18.00	\$450.00
End Section 18"	1	Each	\$100.00	\$100.00
Fill Material	52	Cys	\$12.00	\$624.00
20% Contingencies	1	Lump sum	\$2,899.00	\$2,899.00
Total Estimate				\$17,300.00

Option Two:

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Clearing	1	Lump sum	\$4,000.00	\$4,000.00
Filter Strip	1	acres	\$3,100.00	\$3,100.00
Mulch Seeding	100	Sys	\$0.75	\$75.00
Gabion Dams	2	Each	\$2,200.00	\$4,400.00
Reno Mattress	111	Tons	\$32.00	\$3,552.00
Dumped Riprap	100	Tons	\$16.00	\$1,600.00
20% Contingencies	1	Lump sum	\$3,345.40	\$3,345.40
Total Estimate				\$20,072.40

To be included in the total length of the drain is the existing 12" tile from the West side of Sierra Drive between lots 174 and 175 to the existing outlet (Sta. 0+90 on plans). This length is 160 feet. This tile is to be accepted as is in place. Total length of the drain under either option is 260 feet.

I recommend the Board utilize option two with option one as a secondary plan.

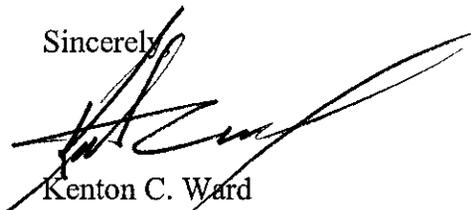
I have reviewed the plans and believe the drain will benefit each lot equally for maintenance. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$5.00 per acre, \$10.00 per acre for roadways and tracts, with a \$50.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$1,000.00.

I recommend a reconstruction assessment of \$10,000.00 for the Town of Cicero due to additional runoff for Timberline Drive and Sierra Drive. I also recommend an additional \$2,000.00 per lot assessment in addition to the per acre assessment for the Lett and Thorne properties due to the additional benefit in stabilizing those properties. The per acre reconstruction assessment shall be \$3,771.62 for each platted residential lot.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend the Board set a hearing for this proposed drain for July 26, 1999.

Sincerely,



Kenton C. Ward
Hamilton County Surveyor

KCW/llm

"March 23, 2000

To: Kenton C. Ward
Hamilton County Surveyor

Re: Hidden Bay Drain

FINAL INSPECTION REPORT

Please regard this as the inspector's final report on the Hidden Bay Drain project, located in Section 36, Township 20 North, Range 4 East, in the town of Cicero, Jackson Township, Hamilton County, Indiana. As of the date above I do hereby attest to and agree that the design plans and additional change orders have been completed by Corbitt & Sons Construction.

All grade checks and asbuilts have been completed by this office. All other inspections have been performed by myself.

There was a slight modification to the original design due to the severity of the ravine slopes (see record drawings).

A total of two (2) change orders were approved totaling \$524.16.

The total length of the drain is 246'.

Claim order #1 (99-281) (paid 12/10/99)	\$17,042.30
Retainage	\$ 3,007.46
Total	\$20,049.76
Actual Claim Payment	\$16,847.55

Change Order #1 (approved 10/25/99)	
12" 45< elbow and one length of CMP	\$ 175.00
16' of 18" RCP	\$ 125.00
Total	\$ 300.00

Change Order #2 (approved 12/13/99)	
Fill material 17 CYS	\$ 399.16
12" 45< elbow and one length of CMP	\$ -175.00
Total	\$ 524.16

Claim Order #2 (00-006) (Paid 01/07/2000)	\$ 194.75
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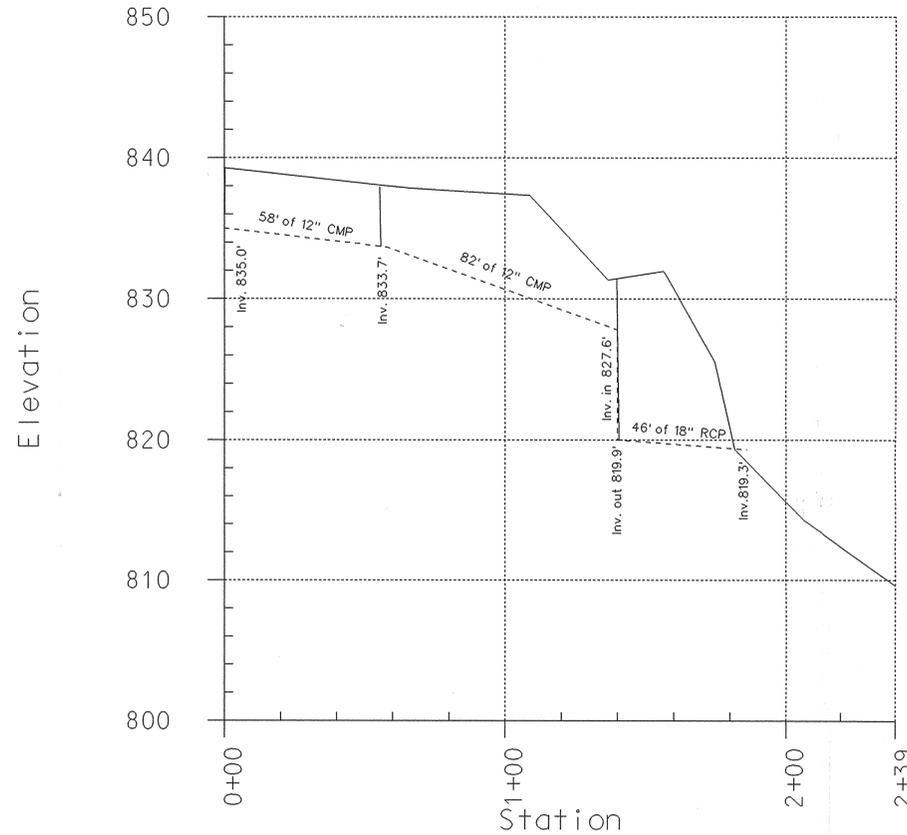
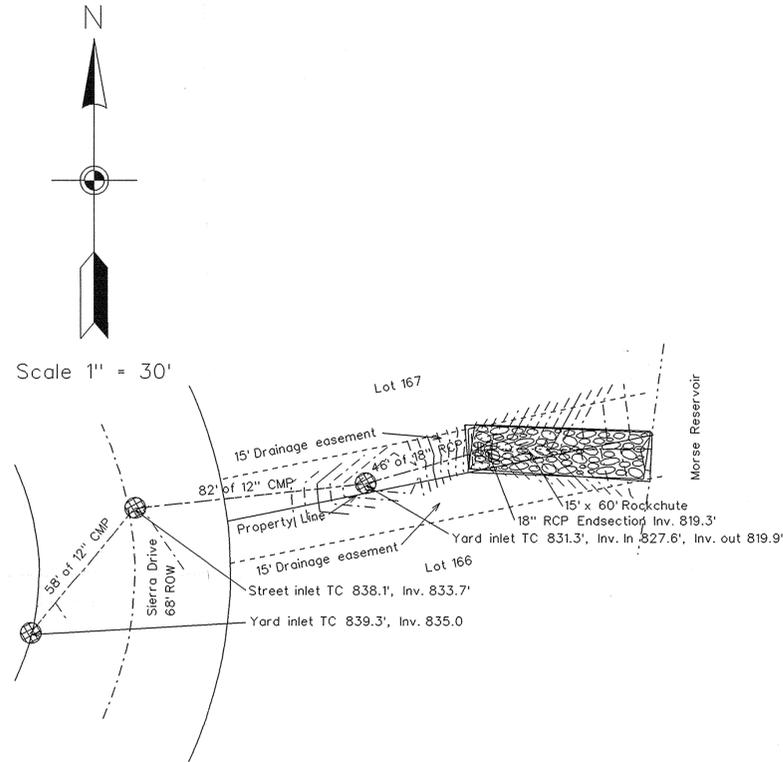
Claim Order #1	\$16,323.39
Change Orders #1 and #2	\$ 524.16
Total	\$16,847.55
Claim Order #2 (claim correction)	\$ 194.75
Total Claim Orders	\$17,042.30

Total Claim Orders	\$17,042.30
Total Amount Retained (00-037) (paid 03/10/2000)	\$ 3,007.46
Total	\$20,049.76

Total Reconstruction Cost	\$20,049.76
Contractor's Bid	\$19,525.00
Difference in cost due to Change Orders	\$ 524.76

Claims paid to date	\$17,042.30
Retainage Withheld	\$ 3,007.46
Total	\$20,049.76
Engineer's Estimate	\$20,072.40
Difference (Engineer and Contractor Bids)	\$ 22.64

Hidden Bay Asbuilts



LINE	SURFACE	OFFSET
	Default+4	0.00
Scaled 5.00 Times Ver.		
Scaled 1.00 Times Hor.		

I hereby certify that this asbuilt survey is true and accurate to the best of my knowledge as surveyed by me.

Jeffery P. Powell
 Jeffery P. Powell
 Registered Land Surveyor
 No. 29800024
 Date: 2-9-2000



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

Entry Date: 6-22-04

Entered by: JPH

Project Name:
 Hidden Bay Asbuilts

HAMILTON COUNTY, INDIANA

Hamilton County Surveyor's Office
 Hamilton County Government and
 Infrastructure Department
 One Hamilton County Square, Suite 146
 Noblesville, IN 46060



SHEET NO.

