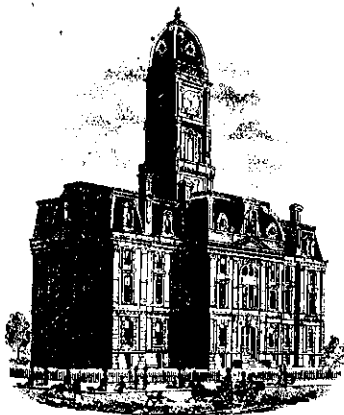


**Drain:** DEERFIELD DRAIN **Drain #:** 213  
**Improvement/Arm:** DEERFIELD - SECTION 4  
**Operator:** JDH **Date:** 2-5-04  
**Drain Classification:** Urban/Rural **Year Installed:** 1986

### GIS Drain Input Checklist

- Pull Source Documents for Scanning JDH 2-5
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JDH 2-5
- Digitize & Attribute SSD JDH 2-5
- Digitize & Attribute Open Ditch JDH 2-5
- Stamp Plans JDH 2-5
- Sum drain lengths & Validate JDH 2-5
- 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 2-5



SURVEYOR'S OFFICE

# Hamilton County

Kenton C. Ward, Surveyor

776-9626

Noblesville, Ind. 46060 February 24 1986

*Nancy Ellen O'Leary*

To: Hamilton County Drainage Board

Re: Deerfield

Attached is a petition for a drain within the Deerfield Subdivision.

I have examined the petition and believe it to be in proper form. The petition represents 33 of the 44 lots within the subdivision and approximately 75% of the drainage shed.

I believe the attached plan will eliminate the existing drainage problems experienced in the Deerfield Subdivision. The project will consist of cleaning out and repairing the existing storm sewer system which consists of the following approximate quantities for structures 1 to 30 on the existing as built print.

12" RCP	541 feet
36" CMP	40 feet
15" CMP	73 feet
43"x 27" CMPA	46 feet
12" CMP	104 feet
30" RCP	270 feet
21" RCP	404 feet
18"/21" RCP	875 feet (Sta 12 to 18)
18" RCP	227 feet

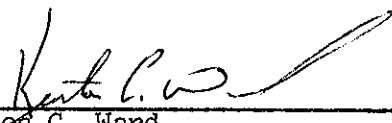
The total existing storm sewer system is 2580<sup>✓</sup> feet. Also included in this project is the extension and expansion of the current system in order to improve the drainage conditions. This will involve the following quantities.

6" SSD	3033 feet
6" CMP	60 feet
Open ditch	120 feet (Between Sta 13 and Ditch Rd.)
12" CMP	140 feet
12" RCP	185 feet
18" CMP	350 feet
18" RCP	40 feet
21" CMP	311 feet

The total system to be added is 4239 feet. The total length for the regulated drain will be 5613 feet. In addition to this will be an existing tile drain running from Ditch Road to Sta 81, 77 and 84. The size of the tile and its location is unknown at this time. The length involved with this tile will be added to the total when located during construction. At this time the regulated drain will end at Ditch Road even though both open and tile drains continue to the east.

The cost estimate for the construction and rehabilitating of the drain is \$83,481.95. The Board should note that only the landowners within Deerfield and two tract owners which signed the petition are assessed along with the County Highway Department. The construction assessment is \$426.00 per acre for highway and \$1500.00 per lot and for tracts 13-09-04-03-018 and 13-09-04-05-007. The entire drainage shed in Hamilton County is assessed for maintenance. The maintenance assessment is \$2.00 per acre and \$20.00 minimum or per lot which will total \$1308.00 annually. A bank note for the financing of construction will be arranged at a later date.

I recommend a hearing be set for April 14, 1986.

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

KCW/jh

44 Lots + AC.

STATE OF INDIANA )  
                          ) SS:  
COUNTY OF HAMILTON)

To: Hamilton County Drainage Board, Noblesville, Indiana  
c/o County Surveyor, Courthouse, Noblesville, Indiana

In the matter of Deerfield Subdivision, Sections  
1 and 2 Drain Petition.

Petitioners are the owners of lots in the land affected by the proposed new legal drain. The drainage will affect various lots in Deerfield a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioners believe that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefited thereby. Petitioners believe the proposed improvement will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility

Petitioners agree to pay the cost of construction of the storm sewers.

The Petitioners also agree to the following:

1. The Petitioners shall retain the Engineer throughout the construction phase. At completion of the project the Petitioners' Engineer shall certify that the storm sewer system which is to be maintained as a legal drain has been constructed as per construction plans.
2. Any changes made in the field shall be documented and given to the Surveyor to be placed in the Drain file.
3. The Petitioners shall instruct their Engineer to provide a reproducible print on a 24" x 36" mylar of the final design of the Drainage System.

The Petitioners further request that the Drain be classified as an Urban Drain.

EXHIBIT "A"

Petitioners for Urban Drain in Deerfield Subdivision, Sections 1 and 2, Hamilton County, Indiana

	Name	Address
1st	Lot 21. Charles S. Stoe	9733 Deerfield Mall
	Lot 22-2. <b>Michael O'Keefe</b>	<b>9703 DEERFIELD MALL</b> - Cheney, Michael O'Keefe
	1st - 3. Glen A. Brunk	9669 Deerfield Mall
	Lot 20 4. Charles W. Kinley	9800 Deerfield Mall
	Lot 2 5. Robert H. Staton	9706 Deerfield Mall Lot No 2
	Lot 6. Brenda S. Raymond	9660 Deerfield Mall - George L. & Brenda S.
	Lot 37. Virginia E. Reinhardt	9702 Deerfield Mall - James & Virginia
	Lot 5-8. <b>Ed Riley</b>	9740 Deerfield Circle - Charles & Ed
	Lot 4 9. Pat Carey John & Mary Patricia	9770 Deerfield Mall
	Lot 13-10. <b>Roy M Bichel</b> (Roger & Anne)	9808 Deerfield Cir
	Lot 15-11. <b>Walter O'Farrell</b> Anita	9830 Deerfield Circle
	Lot 10-12. <b>Harriett H. Begg</b> John W. H.	9820 Deerfield Circle
	Lot 17-13. <b>J. Denny</b> + Mary Jane	9825 Deerfield Circle
	Lot 18-14. <b>John L. Swain</b> + Dorothy	9821 Deerfield Circle
	Lot 9 15. <b>Pat Schiller</b> Patricia & Robert	9810 Deerfield Circle
2nd	Lot 30-16. <b>John H. Galloway</b>	9941 Culpepper Drive - Colhaun John + Shirley
2nd	Lot 42 17. <b>Eric H. Schneider</b> + Sara J.	9940 CULPEPPER DRIVE
2nd	Lot 35 18. <b>W.D. Franz</b> + Janet	1630 ROYALTON DR.
	Lot 41-19. <b>Michael Hopkins</b> + John	1651 Royalton Dr.
	Lot 40-20. <b>Julia Klein</b> + Bradley	1735 Royalton Dr.
	Lot 38-21. <b>Alvin Crane</b> + Jimmy	1730 ROYALTON DR
	Lot 39-22. <b>Tohi Weinstein</b>	1750 Royalton Dr.
	Lot 37-23. <b>Francis Woods</b> + Herbert T.	1640 Royalton Dr
1st	Lot 19 24. <b>W.H. J. Jost</b>	9803 DEERFIELD CIR
2nd	Lot 24-25. <b>Ernest Gumbach</b> + Audrey	9815 Brandon St.
2nd	Lot 23 26. <b>Donald L. Stanley</b> + Glenda	9820 Brandon St.
1st	Lot 23-27. <b>Jim P. Potasnik</b>	9601 Deerfield Mall - Michael + Cynthia
1st	Lot 1-28. <b>Quinn A. Salberry</b> + Shirley	9610 Deerfield Mall
1st	Lot 11-29. <b>Mrs. Pearl H. Thome</b>	9835 Deerfield Cir. - Paul H. only
1st	Lot 12-30. <b>Carole A. Sloan</b>	9864 Deerfield Circle
2nd	Lot 26-31. <b>Norman Steele</b> + Charles	9831 Brandon St.
2nd	Lot 25-32. <b>Glen Thannatta</b> + Doree	9825 Brandon St.
2nd	Lot 31-33. <b>Sharon Crispino</b> + John	9950 Culpepper
1st	Lot 6-34. <b>Tom Hart</b> + Kathleen	9748 Deerfield Cir.
2nd	Lot 44 35. <b>Brenda + George Constantine</b>	9928 Culpepper Dr.

Wm J. Rush  
11 S. Meridian  
Mpls 46204

Hamilton County Council  
Polly Pearce, Auditor  
Hamilton County Courthouse  
Noblesville, In. 46060

**BORROWER'S NAME AND ADDRESS**  
"I" includes each borrower above, jointly and severally.

**Ameritrust National Bank,  
Central Indiana**

P.O. Box 40  
Noblesville, IN 46060

**LENDER'S NAME AND ADDRESS**  
"You" means the lender, its successors and assigns.

Loan Number 41524  
Date December 13, 1989  
Maturity Date January 15, 1992  
Loan Amount \$ 42,000.00  
Renewal Of \_\_\_\_\_

I promise to pay to you, or your order, at your address listed above the  
PRINCIPAL sum of Forty Two Thousand and 00/100 Dollars \$ 42,000.00

- Single Advance:** I have received all of this principal sum. No additional advances are contemplated under this note.
  - Multiple Advance:** The principal sum shown above is the maximum amount of principal I can borrow under this note. As of today I have received the amount of \$ 42,000.00 and future principal advances are contemplated.
- Conditions: The conditions for future advances are in writing, by telephone or in person

- Open End Credit:** You and I agree that I may borrow up to the maximum amount of principal more than one time. This feature is subject to all other conditions and expires no later than \_\_\_\_\_.
- Closed End Credit:** You and I agree that I may borrow up to the maximum only one time (and subject to all other conditions).

PURPOSE: The purpose of this loan is Construction Deerfield Drain

INTEREST: I agree to pay interest (calculated on a 360 basis) on the principal balance(s) owing from time to time as stated below:

- Fixed Rate:** I agree to pay interest at the fixed, simple rate of \_\_\_\_\_ % per year.
- Variable Rate:** I agree to pay interest at the initial simple rate of 7.50 % per year. This rate may change as stated below.
- Index Rate:** The future rate will be 60.0% the following index rate: Ameritrust N. B. Central Indiana Base Rate

- No Index:** The future rate will not be subject to any internal or external index. It will be entirely in your control.
- Frequency and Timing:** The rate on this note may increase as often as semi-annually. An increase in the interest rate will take effect January 1 and July 1, 1990, 1991

- Limitations:** The rate on this note will not at any time (and no matter what happens to any index rate used) go above or below these limits:
  - Maximum Rate:** The rate will not go above \_\_\_\_\_
  - Minimum Rate:** The rate will not go below \_\_\_\_\_

**Post Maturity Rate:** I agree to pay interest on the unpaid balance owing after maturity, and until paid in full, as stated below:  
 **in the same fixed or variable rate basis in effect before maturity (as indicated above).**  
 **at a rate equal to \_\_\_\_\_**

**ADDITIONAL CHARGES:** In addition to interest, I  have paid  agree to pay the following additional charges \_\_\_\_\_

**PAYMENTS:** I agree to pay this note as follows:

**Interest:** I agree to pay accrued interest on January 15, 1990, July 15, 1990, Jan. 15, 1991, July 15, 1991, final Jan. 15, 1992

**Principal:** I agree to pay the principal 5 semi-annual @ \$8400.00 each, on Jan. 15, 1990, July 15, 1990, Jan. 15, 1991, July 15, 1991, final on Jan. 15, 1992.

**Installments:** I agree to pay this note in \_\_\_\_\_ payments. The first payment will be in the amount of \$ \_\_\_\_\_ and will be due \_\_\_\_\_, \_\_\_\_\_. A payment of \$ \_\_\_\_\_ will be due on the \_\_\_\_\_ day of \_\_\_\_\_ each \_\_\_\_\_ thereafter. The final payment of the entire unpaid balance of principal and interest will be due \_\_\_\_\_.

- Effect of Variable Rate:** An increase in the interest rate will have the following effect on the payments:
  - The amount of each scheduled payment will be increased.
  - The amount of the final payment will be increased.
  - \_\_\_\_\_

**ADDITIONAL TERMS:**

**SECURITY:** This note is secured by \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signed \_\_\_\_\_ For Lender  
Title \_\_\_\_\_

**SIGNATURES: I AGREE TO THE TERMS OF THIS NOTE (INCLUDING THOSE ON THE OTHER SIDE). I have received a copy on today's date.**

HAMILTON COUNTY COUNCIL

Polly Pearce, Auditor  
Polly Pearce, Auditor

TAX EXEMPT

HAMILTON COUNTY BOARD OF COMMISSIONERS  
HAMILTON COUNTY COURTHOUSE  
46060  
BORROWER'S NAME AND ADDRESS  
"I" includes each borrower above, jointly and severally.



THE AMERICAN NATIONAL BANK  
P.O. BOX 40  
NOBLESVILLE, IN

LENDER'S NAME AND ADDRESS  
"You" means the lender, its successors and assigns.

Loan Number 41524  
Date JAN. 15 1987  
Maturity Date JAN. 15 1992  
Loan Amount \$ 84,000.00  
Renewal Of \_\_\_\_\_

I promise to pay to you, or your order, at your address listed above the PRINCIPAL sum of Eighty-four Thousand and 00/100 Dollars \$ 84,000.00

- Single Advance: I have received all of this principal sum. No additional advances are contemplated under this note.
- Multiple Advance: The principal sum shown above is the maximum amount of principal I can borrow under this note. As of today I have received the amount of \$ \_\_\_\_\_ and future principal advances are contemplated.

Conditions: The conditions for future advances are A WRITTEN OR AN IN PERSON REQUEST FOR AN ADVANCE

- Open End Credit: You and I agree that I may borrow up to the maximum amount of principal more than one time. This feature is subject to all other conditions and expires no later than \_\_\_\_\_ 19 \_\_\_\_\_.
- Closed End Credit: You and I agree that I may borrow up to the maximum only one time (and subject to all other conditions).

PURPOSE: The purpose of this loan is DRAINAGE PROTECT

INTEREST: I agree to pay interest on the principal balance(s) owing from time to time as stated in this section.

- Fixed Rate: I agree to pay interest at the fixed, simple rate of \_\_\_\_\_ % per year.
- Variable Rate: I agree to pay interest at the initial simple rate of 6.45 % per year. This rate may change as stated below.
- Index Rate: The future rate will be 60% OF the following index rate: FIND'S BASE RATE

- No Index: The future rate will not be subject to any internal or external index. It will be entirely in your control.
- Frequency and Timing: The rate on this note may increase as often as SEM - ANNUALLY. An increase in the index will take effect JANUARY 1ST AND JULY 1ST.
- Limitations: The rate on this note will not at any time (and no matter what happens to any index rate used) go above or below these limits:
  - Maximum Rate: The rate will not go above \_\_\_\_\_
  - Minimum Rate: The rate will not go below \_\_\_\_\_

Post Maturity Rate: I agree to pay interest on the principal owing after maturity, and until paid in full, as stated below:

- on the same fixed or variable rate basis in effect before maturity (as indicated above).
- at a rate equal to \_\_\_\_\_

ADDITIONAL CHARGES: In addition to interest, I  have paid  agree to pay the following additional charges \_\_\_\_\_

PAYMENTS: I agree to pay this note as follows:

- Interest: I agree to pay accrued interest WITH THE PRINCIPAL ON JULY 15 1987, JAN 15 AND JULY 15, 1988, 1989, 1990, 1991, AND JAN. 15, 1992
- Principal: I agree to pay the principal PAYMENT OF \$8400.00 ON JULY 15, 1987, JAN. 15 AND JULY 15, 1988, 1989, 1990, 1991, AND JAN 15, 1992
- Installments: I agree to pay this note in \_\_\_\_\_ payments. The first payment will be in the amount of \$ \_\_\_\_\_ and will be due \_\_\_\_\_ 19 \_\_\_\_\_. A payment of \$ \_\_\_\_\_ will be due on the \_\_\_\_\_ day of each \_\_\_\_\_ thereafter. The final payment of the entire unpaid balance of principal and interest will be due \_\_\_\_\_ 19 \_\_\_\_\_.  
 Effect of Variable Rate: An increase in the interest rate will have the following effect on the payments:
  - The amount of each scheduled payment will be increased.
  - The amount of the final payment will be increased.
  - AMOUNT OF ACCRUED INTEREST PAID.

ADDITIONAL TERMS:

SECURITY: This note is secured by : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
 If checked, no agreement was signed today securing this note.  
(This section is for your internal use. It may not include every agreement or item of collateral securing this note. You will not lose any security by omitting it from this section.)

SIGNATURES: I AGREE TO THE TERMS OF THIS NOTE (INCLUDING THOSE ON THE OTHER SIDE). I have received a copy on today's date.

HAMILTON COUNTY BOARD OF COMMISSIONERS

[Signature]  
[Signature]  
[Signature]

Notary's Office: One Hamilton Co. Square, Ste. 188, Noblesville, In 46060



SURVEYOR'S OFFICE  
**Hamilton County**

Kenton C. Ward, Surveyor

776-9626

Noblesville, Ind. 46060 January 8, 1987

TO: Hamilton County Drainage Board

RE: Deerfield Drain

RECEIVED  
JAN 12 1987  
KENTON C. WARD, SURVEYOR  
*Kenton C. Ward*

On November 12, 1986, I made the final inspection on the construction of the Deerfield Drain by Sweeney Construction. At that time I found the project to be complete and acceptable.

During the course of the project quite a bit of extra work was ordered. This was necessary because of the number of additional tiles found and various problems encountered. The extra work ordered can be found in the change orders to Sweeney Construction dated, July 2, 1986, July 14, 1986, July 22, 1986, July 31, 1986, August 18, 1986, August 22, 1986, August 29, 1986, September 12, 1986, September 16, 1986, September 19, 1986, October 21, 1986, and October 28, 1986. The total cost of these additions is \$16,786.40.

The contract cost was \$68,115.00. With the additional work the final cost is \$84,902.40.

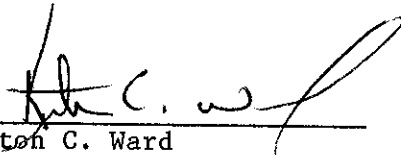
The original estimate was \$83,481.95. However, with the additional costs paid by the Foits and Lumengs (hearing held for addition on October 14, 1986) of \$1,837.50, the estimate increases to \$85,319.45. Therefore, the project is within budget. At this time the contractor has been paid \$81,591.34. The remainder will be paid with the February claims. The bank load from ANB for \$84,000.00 has been credited to the Deerfield Drain account in the Auditors Office.



Additional lenth to the drain is as follows:

- ✓ 1. 250 feet of 8" on West side of Culpepper Drive to STR. 33
- 2. 225 feet of 6" from Str. 4 for Lot 2
- ✓ 3. 240 feet of 6" across the Foit and Lumeng properties
- 4. 250 feet of 6" for Lot 34
- ✓ 5. 200 feet of 6" for Lot 21

With the additional footage of 1165<sup>✓</sup> feet, the total length for the drain is 6778 feet. A mylar is now being prepared showing the regulated drain.

  
Kenton C. Ward  
Hamilton County Surveyor

KCW/no

FILED

JAN 12 1977

HAMILTON COUNTY DRAINAGE BOARD

# DEERFIELD, SECTIONS ONE AND TWO

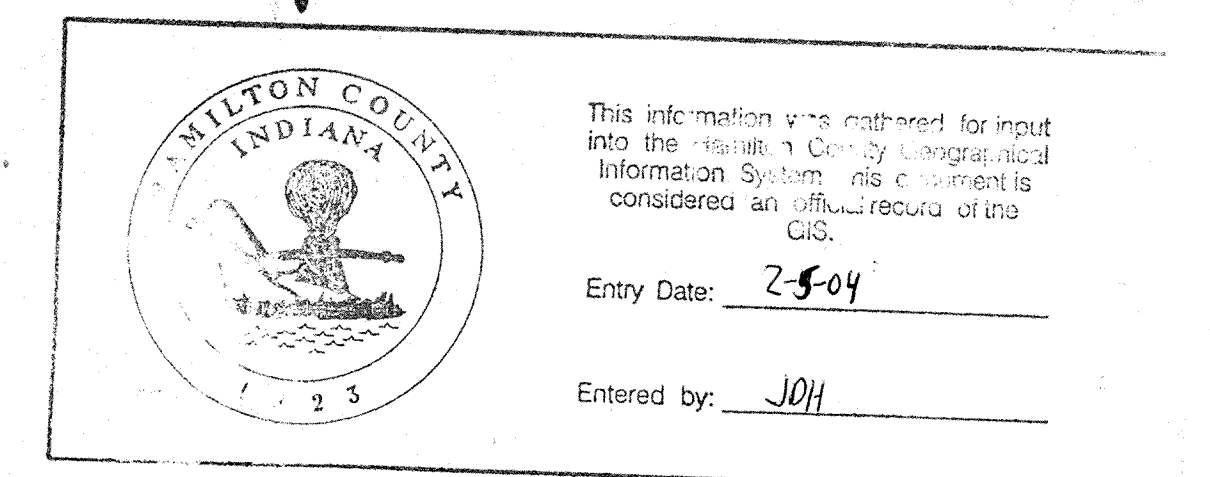
## A SUBDIVISION OF HAMILTON COUNTY, INDIANA

### Renovation and Improvement of Existing Storm Drainage System

Sheet No.	Description
1	Cover Sheet
2	Site Plan and Topographic Map
3	Profile Sheet
4	Profile and Detail Sheet
5	Listing of Recommended Improvements

Prepared for:  
Deerfield Civic Association  
9733 Deerfield Mall  
Carmel, Indiana 46032

Prepared by:  
David B. H. Best, R.L.S.  
5402 Washington Boulevard  
Indianapolis, Indiana 46220



TBM: CROSS CUT IN SOUTH SIDE OF MANHOLE RIM OF STR. NO. 5 LOCATED AT INTERSECTION OF THE MALL AND WOODFORD DRIVE. ELEV. = 834.75 (U.S.G.S. DATUM). — BM#1

BM#2 - X CUT IN CURB SOUTH SIDE OF INTERSECTION DEERFIELD CR. & THE MALL  
ELEV. 845.29

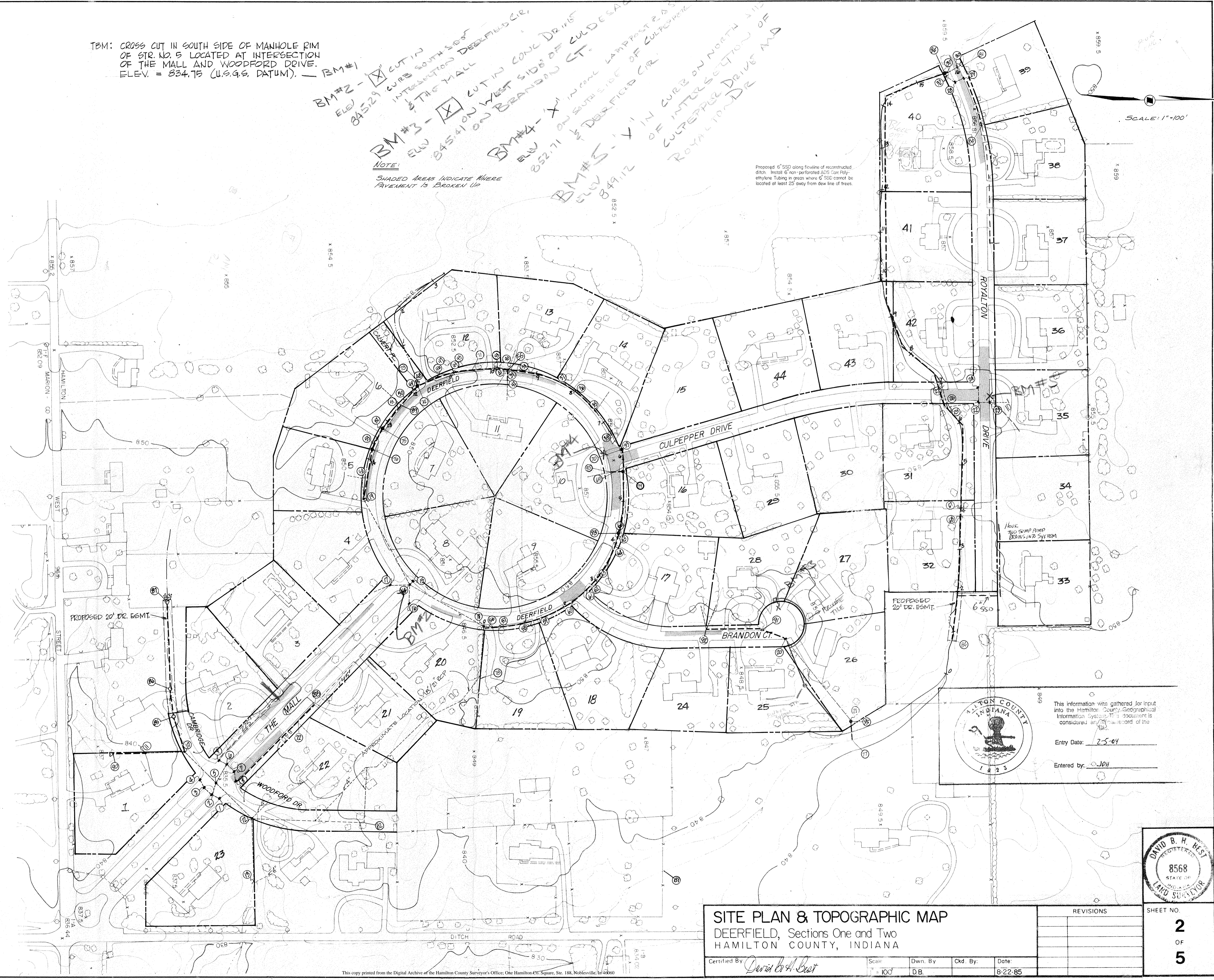
BM#3 - X CUT IN CONC DRIVE ON WEST SIDE OF BRANDON ST.  
ELEV. 845.41

BM#4 - X IN ROAD LAMPPOST BASE OF DEERFIELD CR.  
ELEV. 852.71

BM#5 - X IN CURB ON NORTH SIDE OF INTERSECTION OF CULPEPPER DRIVE AND ROYALTON DR.  
ELEV. 849.12

NOTE:  
SHADED AREAS INDICATE WHERE PAVEMENT IS BROKEN UP

Proposed 6" SSD along flowline of reconstructed ditch. Install 6" non-perforated ABS Core Polyethylene Tubing in areas where 6" SSD cannot be located at least 25' away from dew line of trees.



ALTON COUNTY INDIANA  
1823

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

Entry Date: 2-5-04

Entered by: JWH

DAVID B. H. BEST  
REGISTERED  
8568  
STATE OF INDIANA  
LAND SURVEYOR

**SITE PLAN & TOPOGRAPHIC MAP**

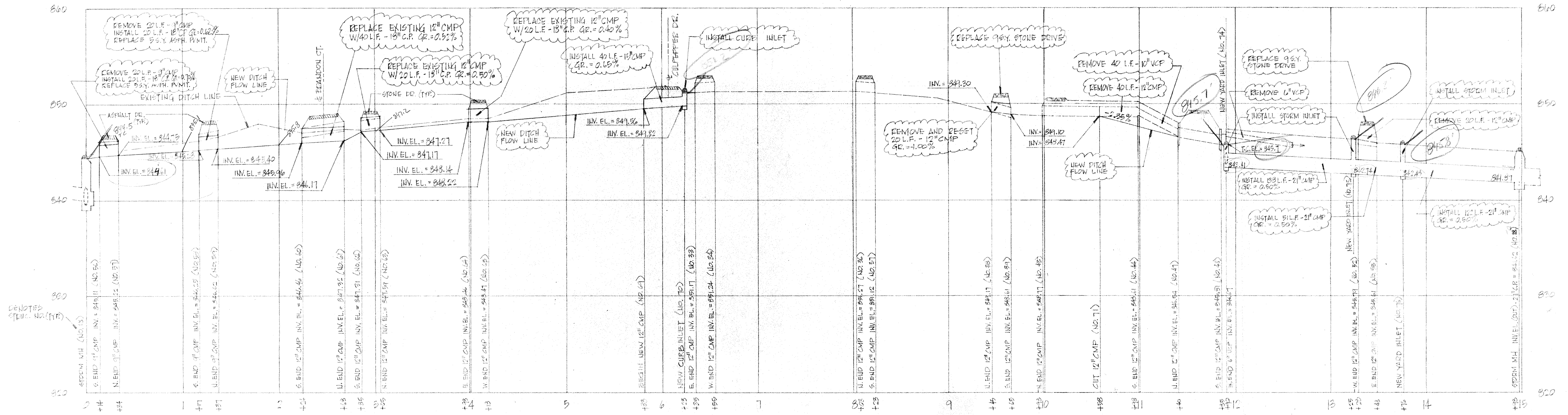
DEERFIELD, Sections One and Two  
HAMILTON COUNTY, INDIANA

Certified By: *David B. H. Best* Scale: 1"=100' Dwn. By: D.B. Ckd. By: Date: 8-22-85

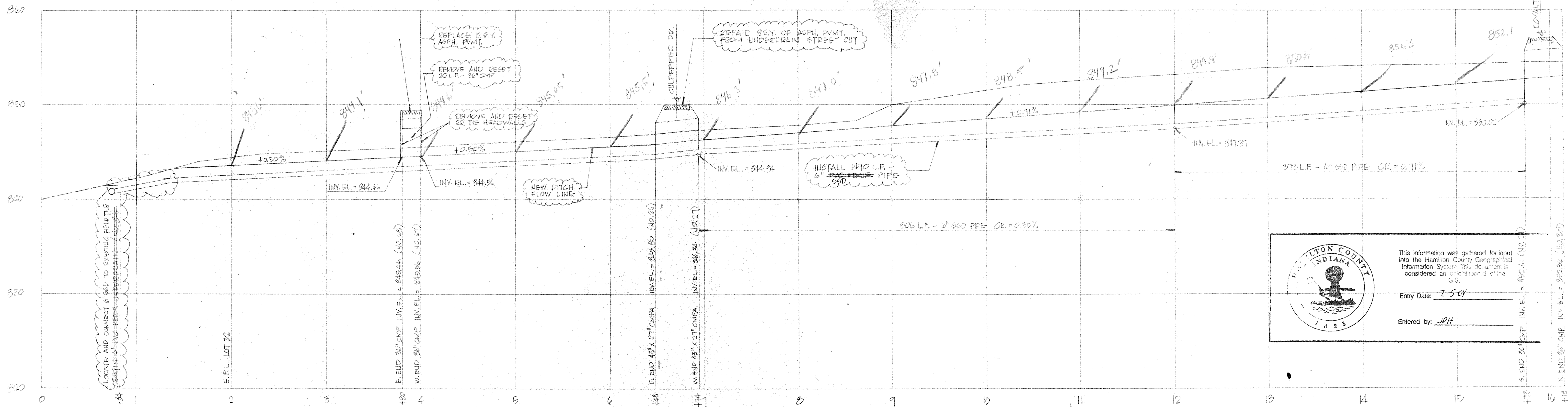
REVISIONS

SHEET NO.  
**2**  
OF  
**5**


NOTE: SEE SHEET 2 OF 5 FOR PLAN.



PROFILE OF DEERFIELD CIRCLE SIDE DITCH SCALE: HORIZ. 1" = 50' VERT. 1" = 5'



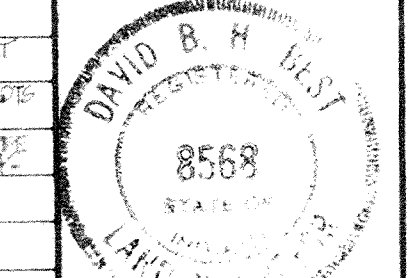
PROFILE OF DRAINAGE DITCH IN EASEMENT THROUGH LOTS 32, 31, 42, 41, 40 AND 39

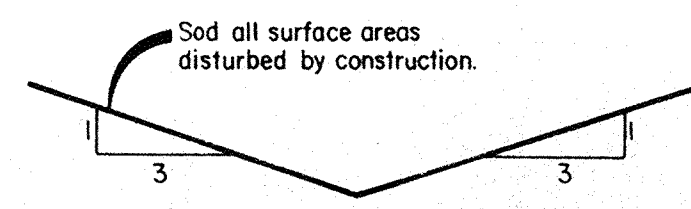
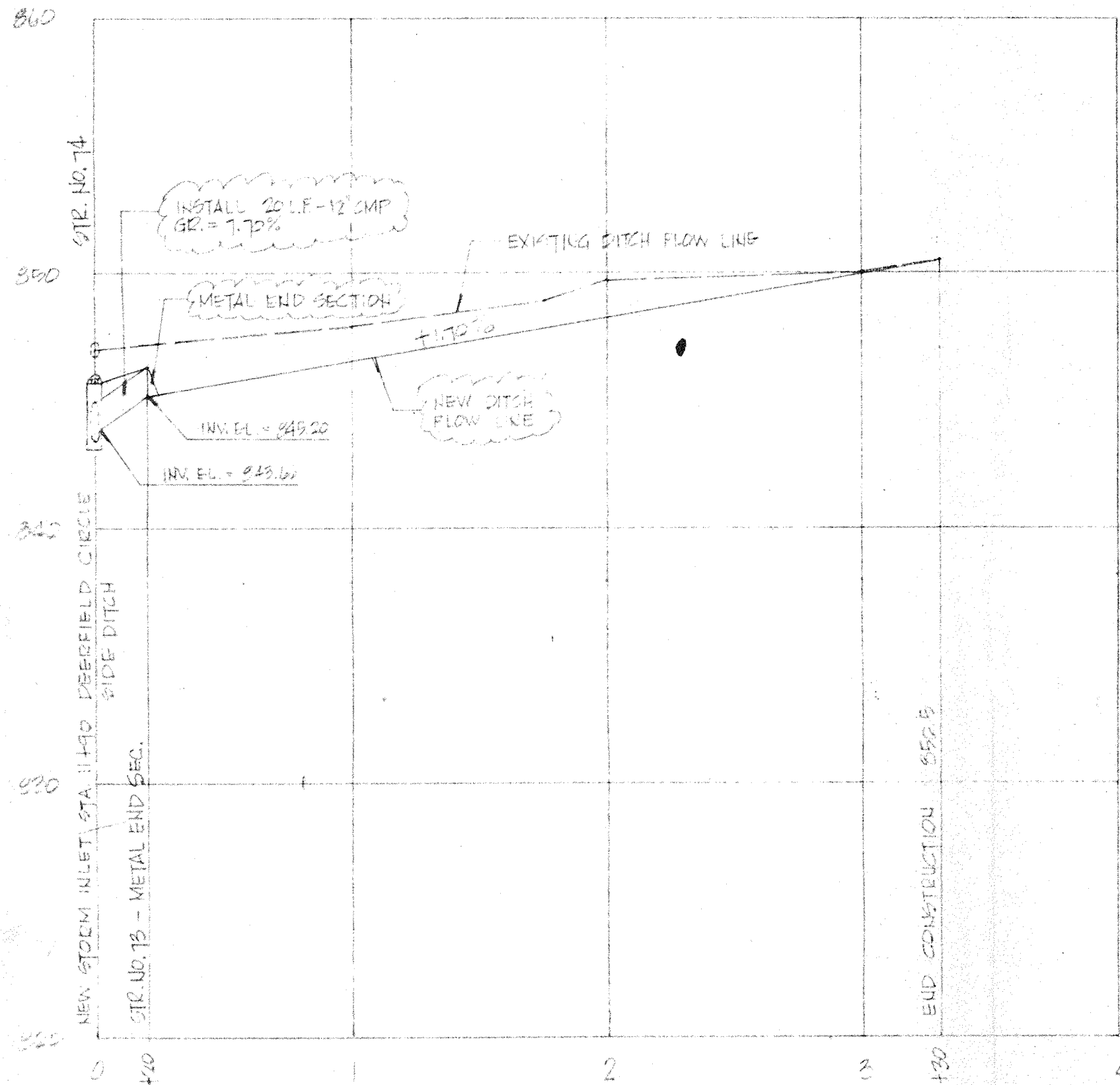


This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

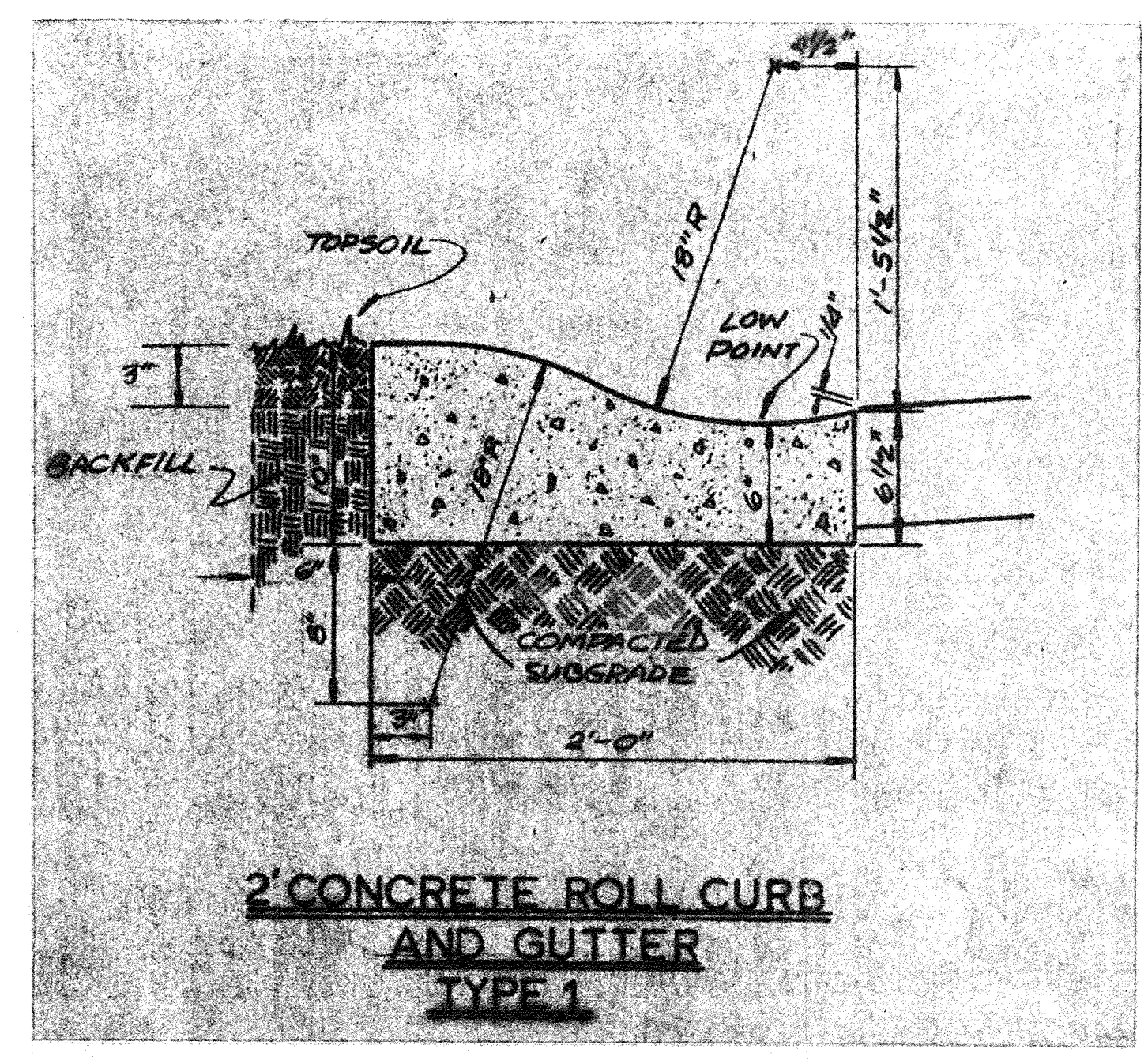
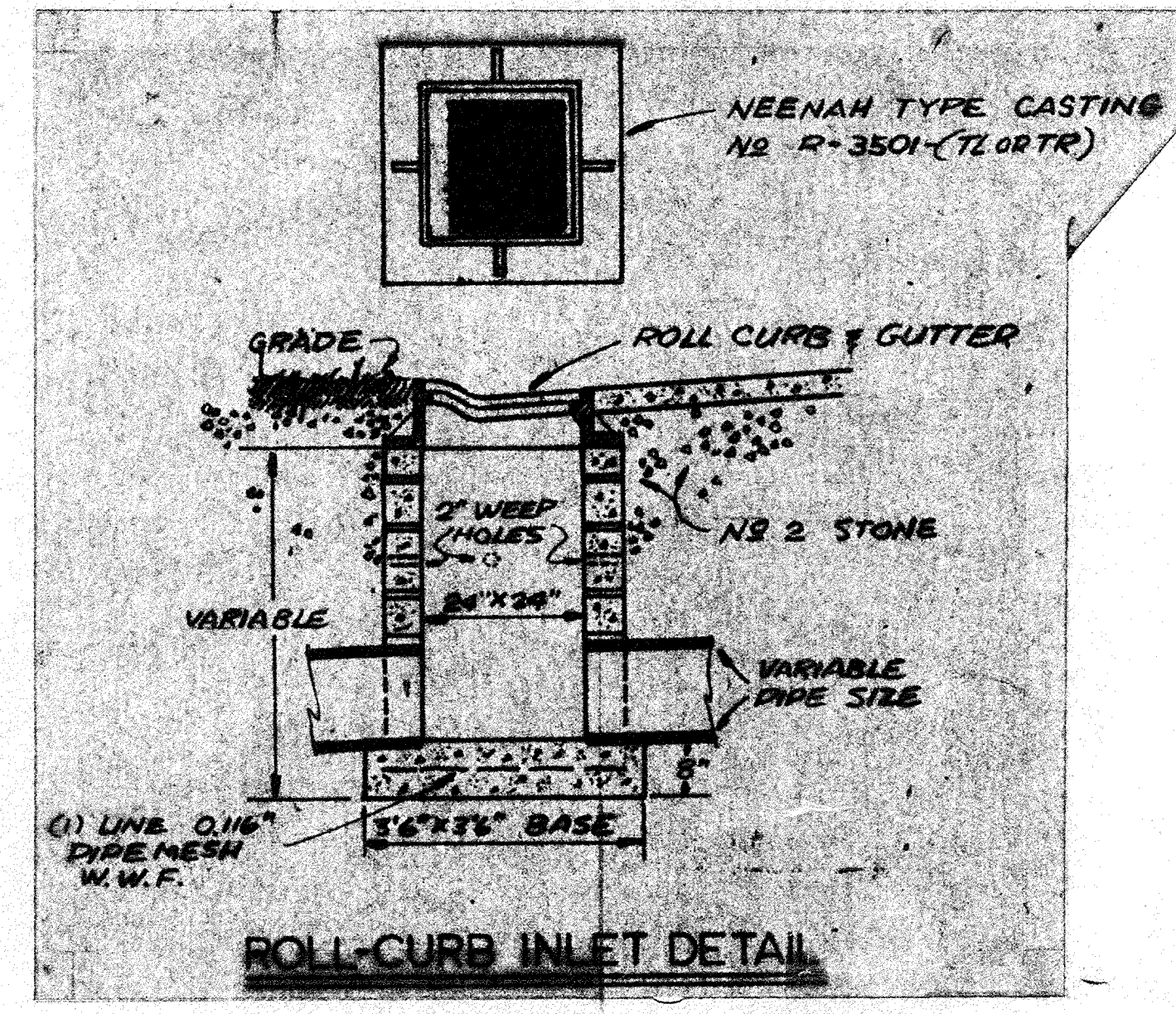
Entry Date: 2-5-04

Entered by: JCH

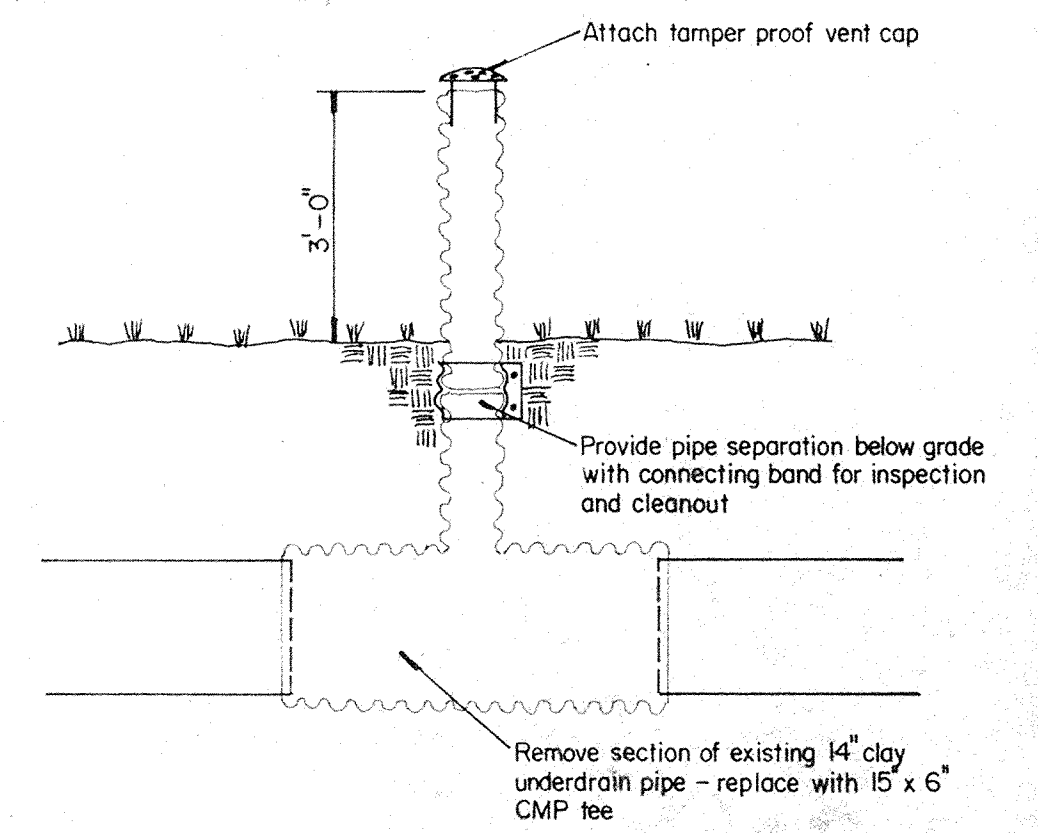
<b>PROFILE SHEET</b> DEERFIELD, Sections One and Two HAMILTON COUNTY, INDIANA		REVISIONS 1-2-04 1-12-04 8-22-05	SHEET NO <b>3</b> OF <b>5</b>
Certified By: <i>David B. H. Best</i>	Scale: 50 & 5	Date: 8-22-05	



DEERFIELD CIRCLE SIDE DITCH  
X-SECTION  
No scale.

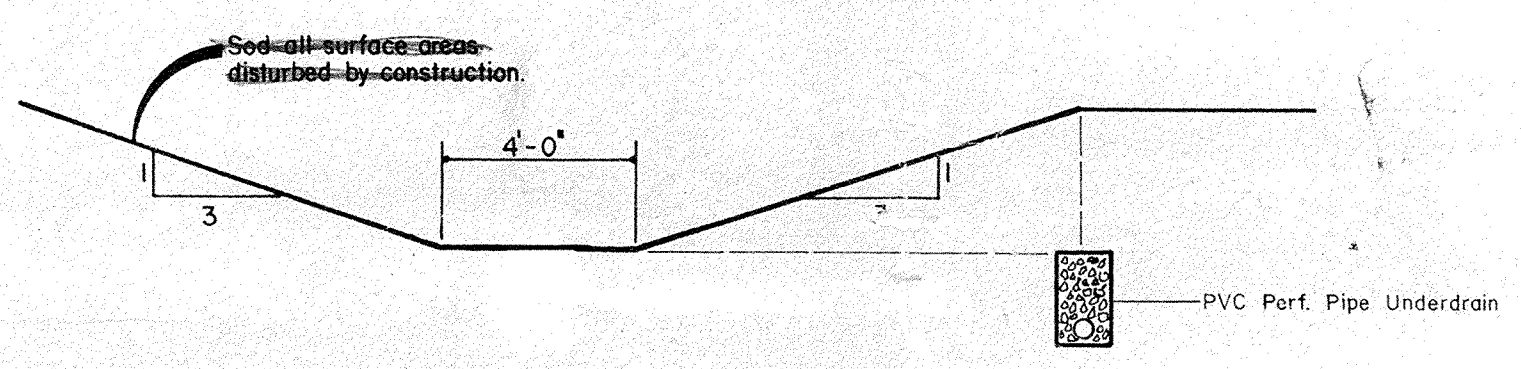


- GENERAL NOTES
1. ALL WORK TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS AND REQUIREMENTS OF THE BOARD OF COUNTY SUPERVISORS OF HAMILTON COUNTY, INDIANA.
  2. CONTRACTOR RESPONSIBLE FOR VERIFYING LOCATION OF ALL UNDERGROUND UTILITY LINES WITHIN LIMITS OF CONSTRUCTION.
  3. SAND BACKFILL REQUIRED IN ALL STREET AND DRIVEWAY CUTS.

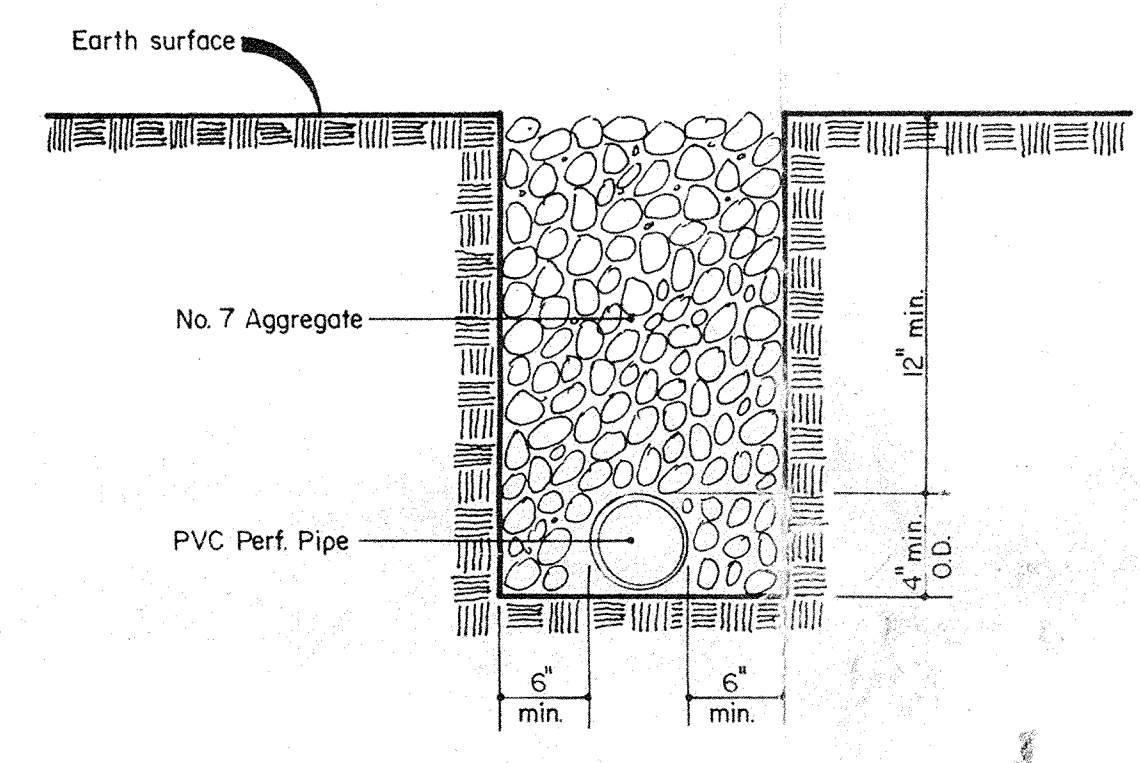


DETAIL OF VENT PIPE AT DRAINAGE POINT 81  
No scale.

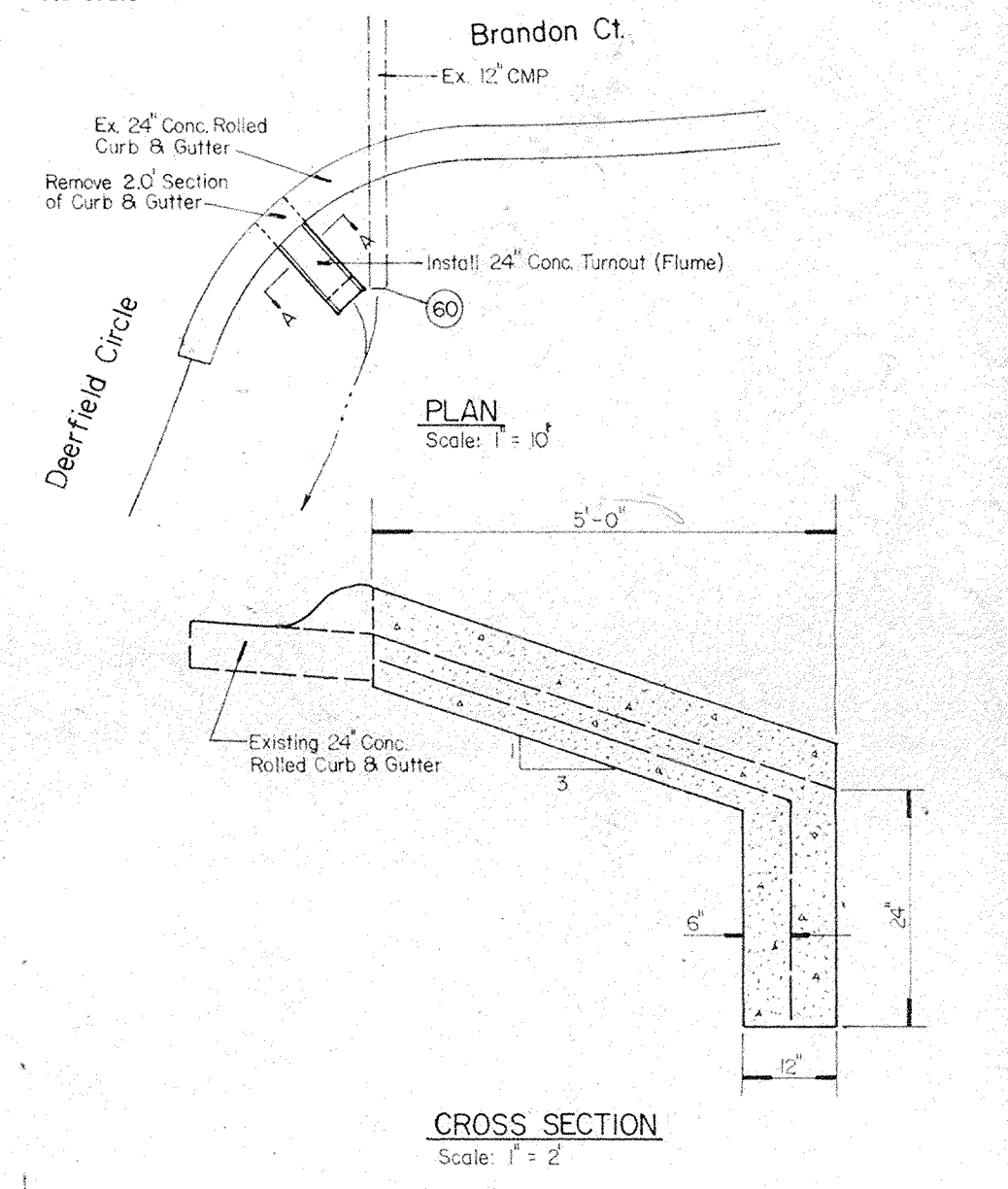
PROFILE OF CALVERT STREET DRAINAGE SWALE  
SCALE: HORIZ. 1" = 50'  
VERT. 1" = 5'



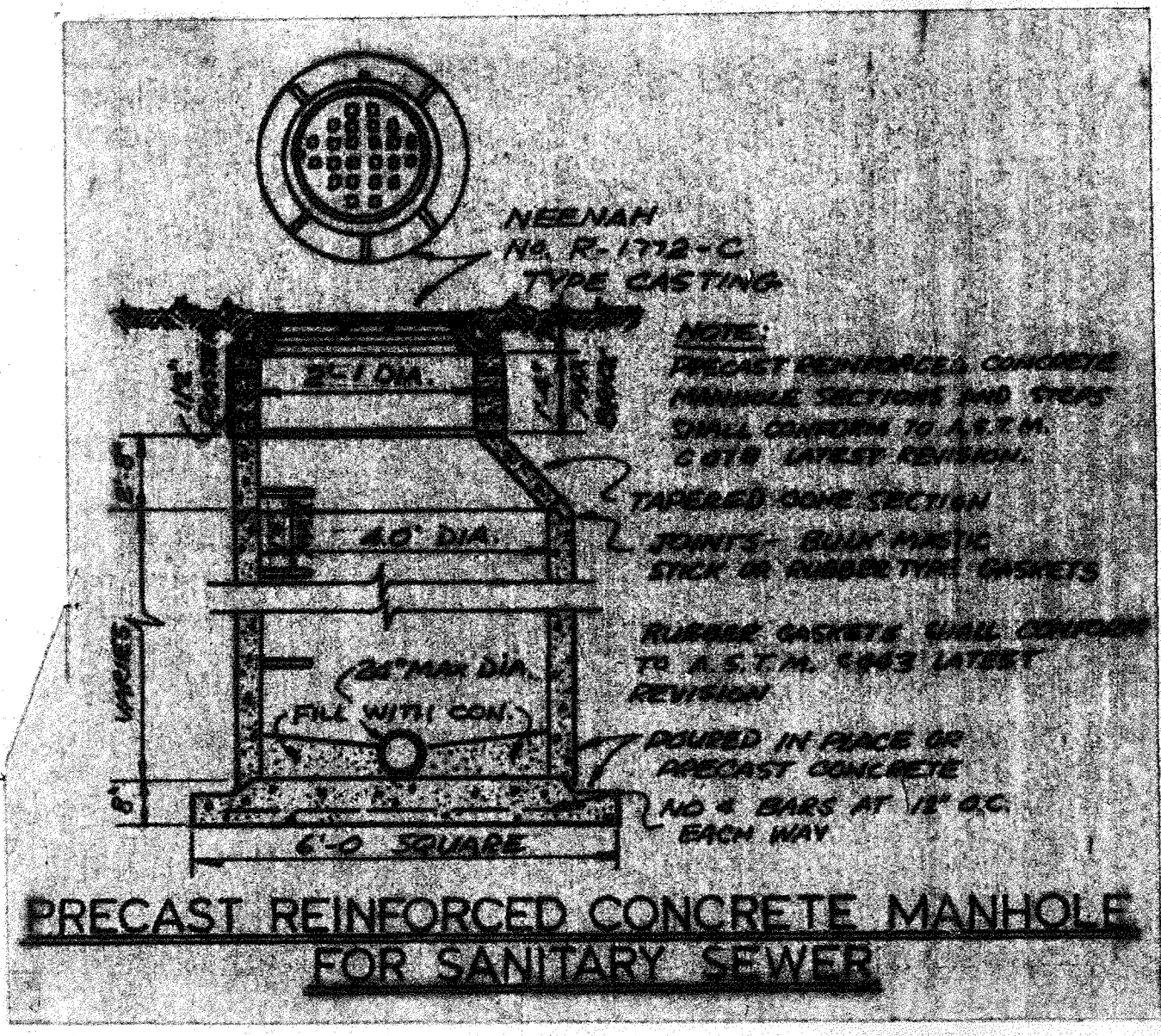
X-SECTION OF DRAINAGE DITCH THRU LOTS 32, 31, 42, 41, 40 and 41.  
No scale.



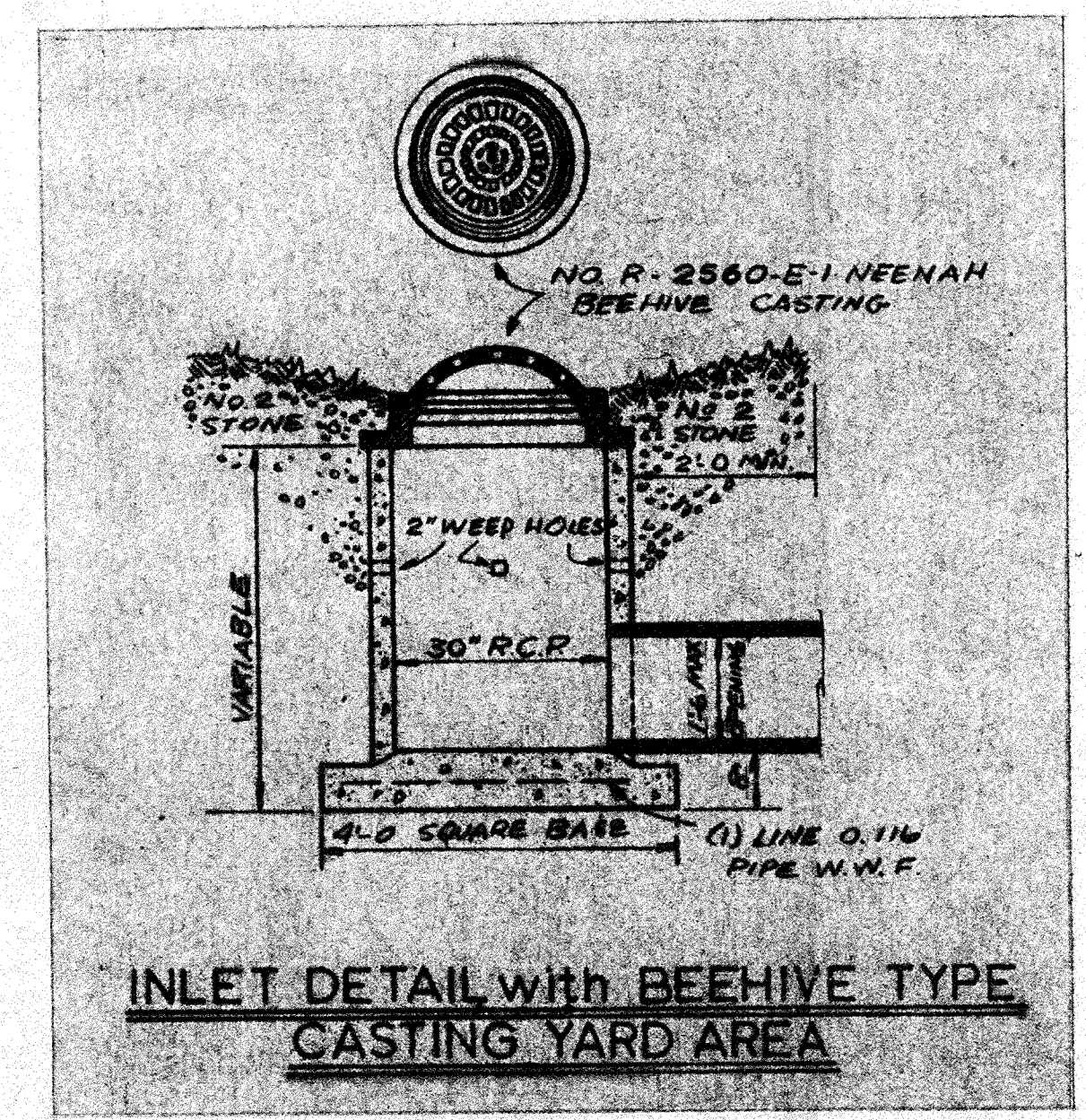
PIPE UNDERDRAIN  
No scale.



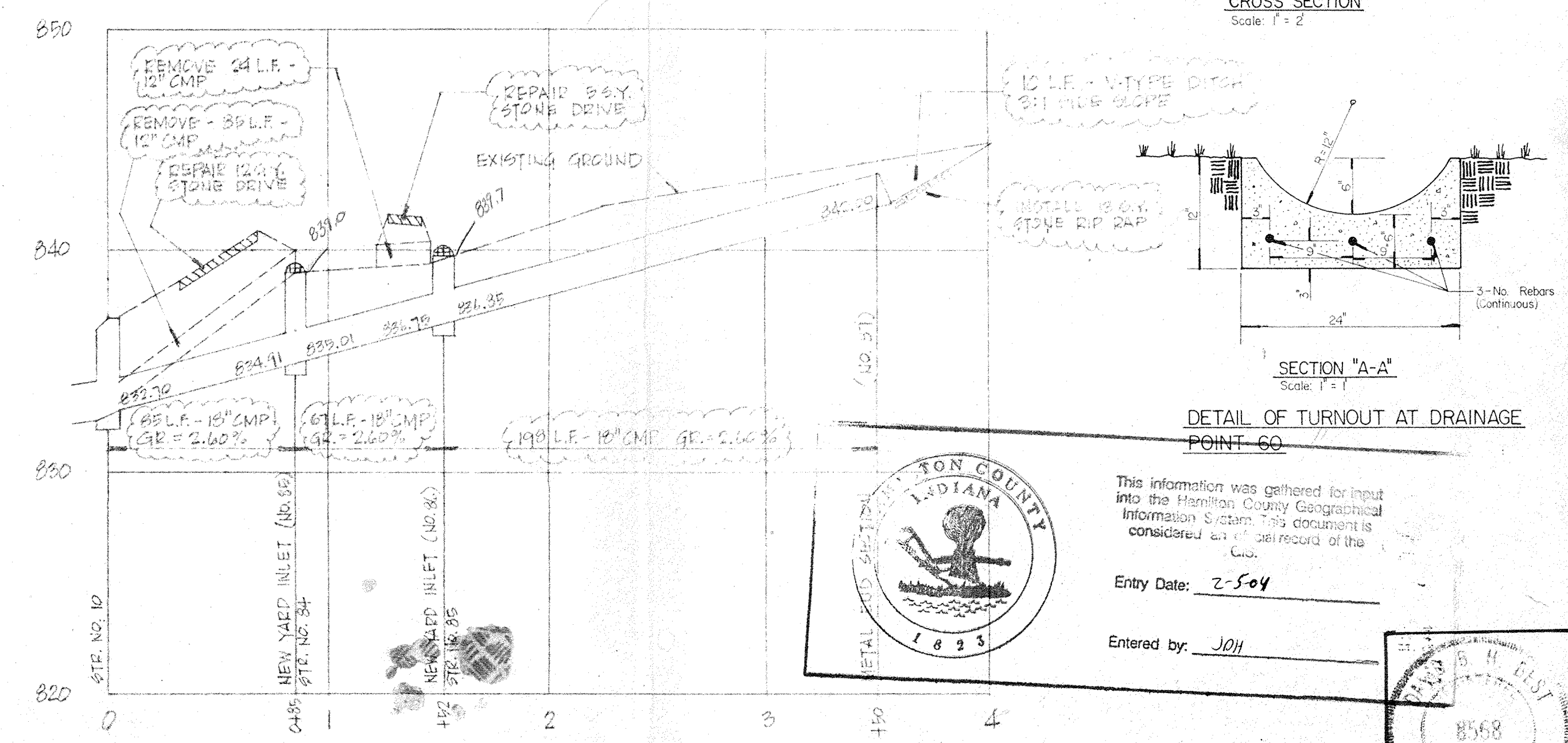
CROSS SECTION  
Scale: 1" = 2'



PRECAST REINFORCED CONCRETE MANHOLE FOR SANITARY SEWER



INLET DETAIL WITH BEEHIVE TYPE CASTING YARD AREA



PROFILE OF STORM SEWER FROM STR. NO. 10 TO STR. NO. 81  
SCALE: HORIZ. 1" = 50'  
VERT. 1" = 5'


<b>PROFILE AND DETAIL SHEET</b> DEERFIELD, Sections One and Two HAMILTON COUNTY, INDIANA				REVISIONS 9-27-85 10-86	SHEET NO <b>4</b> OF <b>5</b>
Certified By: <i>Doris B. Hart</i>	Scale: As noted	Dwn. By: D.B.	Ckd. By:	Date: 8-22-85	Entered by: JPH



EXISTING STRUCTURE SCHEDULE / STORM SEWER SCHEDULE

Struc. No.	Type of Struct.	Top Casting Elev.	Invert Elev.	Notes
1	Curb Inlet	834.85	832.06 - out	24" L.F. of 12" RCP from Str. No. 1 to Str. No. 2. Gr = 0.67%
2	"	834.97	831.90 - in NE 831.90 - in SW 831.82 - out	30" L.F. of 12" RCP from Str. No. 2 to Str. No. 5. Gr = 1.07%
3	"	834.96	832.10 - in 832.00 - out	24" L.F. of 12" RCP from Str. No. 3 to Str. No. 2. Gr = 0.42%
4	"	834.87	- out	24" L.F. of 12" RCP from Str. No. 4 to Str. No. 3. Gr =
5	Manhole	834.75	831.50 - in SE 830.75 - in SW 831.00 - in NW 829.80 - out	120" L.F. of 30" RCP from Str. No. 5 to Str. No. 12. Gr = 0.66%
6	Curb Inlet	835.32	831.66 - in SW 831.66 - in NE 831.66 - out	50" L.F. of 12" RCP from Str. No. 6 to Str. No. 5. Gr = 1.32%
7	"	835.17	832.13 - in 832.03 - out	24" L.F. of 12" RCP from Str. No. 7 to Str. No. 6. Gr = 1.54%
8	"	835.09	832.37 - out	20" L.F. of 12" RCP from Str. No. 8 to Str. No. 7. Gr = 1.20%
9	"	835.10	832.25 - out	20" L.F. of 12" RCP from Str. No. 9 to Str. No. 6. Gr = 2.35%
10	Manhole	835.33	832.82 - in S 832.98 - in W 832.73 - out	105" L.F. of 24" RCP from Str. No. 10 to Str. No. 5. Gr = 1.85%
11	Beehive Inlet	836.28	834.19 - out	95" L.F. of 21" RCP from Str. No. 11 to Str. No. 10. Gr = 1.44%
12	Manhole	835.53	829.01 - in SW 830.56 - in NW 829.86 - in N 829.01 - out	150" L.F. of 30" RCP from Str. No. 12 to Str. No. 15. Gr = 2.59%
13	Headwall	-	825.12 - out	
14	Manhole	845.55	840.75 - in E 840.86 - in S 840.31 - in SW 840.75 - in NW 840.08 - out	204" L.F. of 21" RCP from Str. No. 14 to Str. No. 18. Gr = 0.21%
15	Curb Inlet	845.71	842.89 - out	13" L.F. of 12" RCP from Str. No. 15 to Str. No. 14. Gr = 16.46%
16	"	845.29	843.02 - out	45" L.F. of 12" RCP from Str. No. 16 to Str. No. 14. Gr = 4.38%
17	"	845.28	842.88 - out	45" L.F. of 12" RCP from Str. No. 17 to Str. No. 14. Gr = 4.49%
18	Manhole	845.03	839.55 - in SW 840.01 - in W 839.59 - in NW 839.49 - out	18" RCP/21" RCP from Str. No. 18 to Str. No. 12
19	"	845.12	843.21 - in W 841.62 - out	227" L.F. of 18" RCP from Str. No. 19 to Str. No. 14. Gr = 0.58%
20	Curb Inlet	844.78	842.66 - out	222" L.F. of 12" RCP from Str. No. 20 to Str. No. 21. Gr = 0.91%
21	Headwall	-	841.53	
22	Curb Inlet	848.59	846.17 - in NW 846.17 - in W 846.22 - out	73" L.F. of 15" CMP from Str. No. 22 to Str. No. 25. Gr = 6.42%
23	"	848.43	846.31 - out	26" L.F. of 12" CMP from Str. No. 23 to Str. No. 22. Gr = 0.54%
24	"	849.20	846.43 - out	32" L.F. of 12" CMP from Str. No. 24 to Str. No. 22. Gr = 1.00%
25	Downstream end of 15" CMP	-	841.53	
26	Downstream end of 27" x 43" CMPA	-	845.80	
27	Upstream end of 12" CMP	-	846.34	46" L.F. of 27" x 43" CMPA from Str. No. 27 to Str. No. 26. Gr = 1.17%
28	Curb Inlet	856.49	854.04 - in 853.89 - out	23" L.F. of 12" CMP from Str. No. 28 to Str. No. 32. Gr = 2.26%
29	"	856.60	854.57 - out 852.86	23" L.F. of 12" CMP from Str. No. 29 to Str. No. 28. Gr = 2.30%
30	Upstream end of 36" CMP	-	852.86	40" L.F. of 36" CMP from Str. No. 30 to Str. No. 31. Gr = 0.61%
31	Downstream end of 36" CMP	-	852.61	
32	Downstream end of 12" CMP	-	853.37	
33	Downstream end of 12" CMP	-	851.17	
34	Upstream end of 12" CMP	-	851.24	20" L.F. of 12" CMP from Str. No. 34 to Str. No. 33. Gr = 0.35%
35	Downstream end of 4" VCP	-	851.85	
36	Upstream end of 12" CMP	-	851.27	20" L.F. of 12" CMP from Str. No. 36 to Str. No. 37. Gr = 0.75%
37	Downstream end of 12" CMP	-	851.12	
38	Upstream end of 12" CMP	-	849.17	20" L.F. of 12" CMP from Str. No. 38 to Str. No. 39. Gr = 2.80%
39	Downstream end of 12" CMP	-	848.61	
40	Downstream end of 4" VCP	-	850.06	
41	Downstream end of 2" PVC	-	849.33	
42	Downstream end of 6" PVC	-	850.70	
43	Upstream end of 12" CMP	-	848.77	100" L.F. of 12" CMP from Str. No. 43 to Str. No. 44. Gr = 1.61%
44	Downstream end of 12" CMP	-	847.16	
45	Upstream end of 10" VCP	-	847.16	52" L.F. of 10" VCP from Str. No. 45 to Str. No. 46. Gr = 0.71%
46	Downstream end of 10" VCP	-	846.79	
47	Headwall - upstream end of 12" CMP	-	846.54	45" L.F. of 12" CMP from Str. No. 47 to Str. No. 48. Gr = 1.82%
48	Headwall - downstream end of 12" CMP	-	846.81	
49	Upstream end of 6" VCP	-	845.67	
50	6" VCP	-	-	
51	6" VCP	-	-	
52	Upstream end of 12" CMP	-	845.70	20" L.F. of 12" CMP from Str. No. 52 to Str. No. 53. Gr = 0.90%
53	Downstream end of 12" CMP	-	845.61	
54	Downstream end of 4" VCP	-	844.02	
55	Downstream end of 9" CMP	-	845.11	
56	Upstream end of 9" CMP	-	845.22	20" L.F. of 9" CMP from Str. No. 57 to Str. No. 56. Gr = 0.55%
57	Downstream end of 9" CMP	-	846.25	
58	Upstream end of 9" CMP	-	846.62	20" L.F. of 9" CMP from Str. No. 59 to Str. No. 58. Gr = 1.85%
59	Downstream end of 12" CMP	-	846.46	
60	Upstream end of 12" CMP	-	847.32	44" L.F. of 12" CMP from Str. No. 61 to Str. No. 60. Gr = 1.95%
61	Downstream end of 12" CMP	-	847.31	
62	Upstream end of 12" CMP	-	847.59	20" L.F. of 12" CMP from Str. No. 63 to Str. No. 62. Gr = 1.40%
63	Downstream end of 12" CMP	-	846.46	
64	Upstream end of 12" CMP	-	846.47	20" L.F. of 12" CMP from Str. No. 65 to Str. No. 64. Gr = 0.05%
65	Downstream end of 4" PVC	-	846.70	
66	Upstream end of 36" CMP	-	845.56	20" L.F. of 36" CMP from Str. No. 67 to Str. No. 68. Gr = 0.60%
67	Downstream end of 36" CMP	-	845.44	

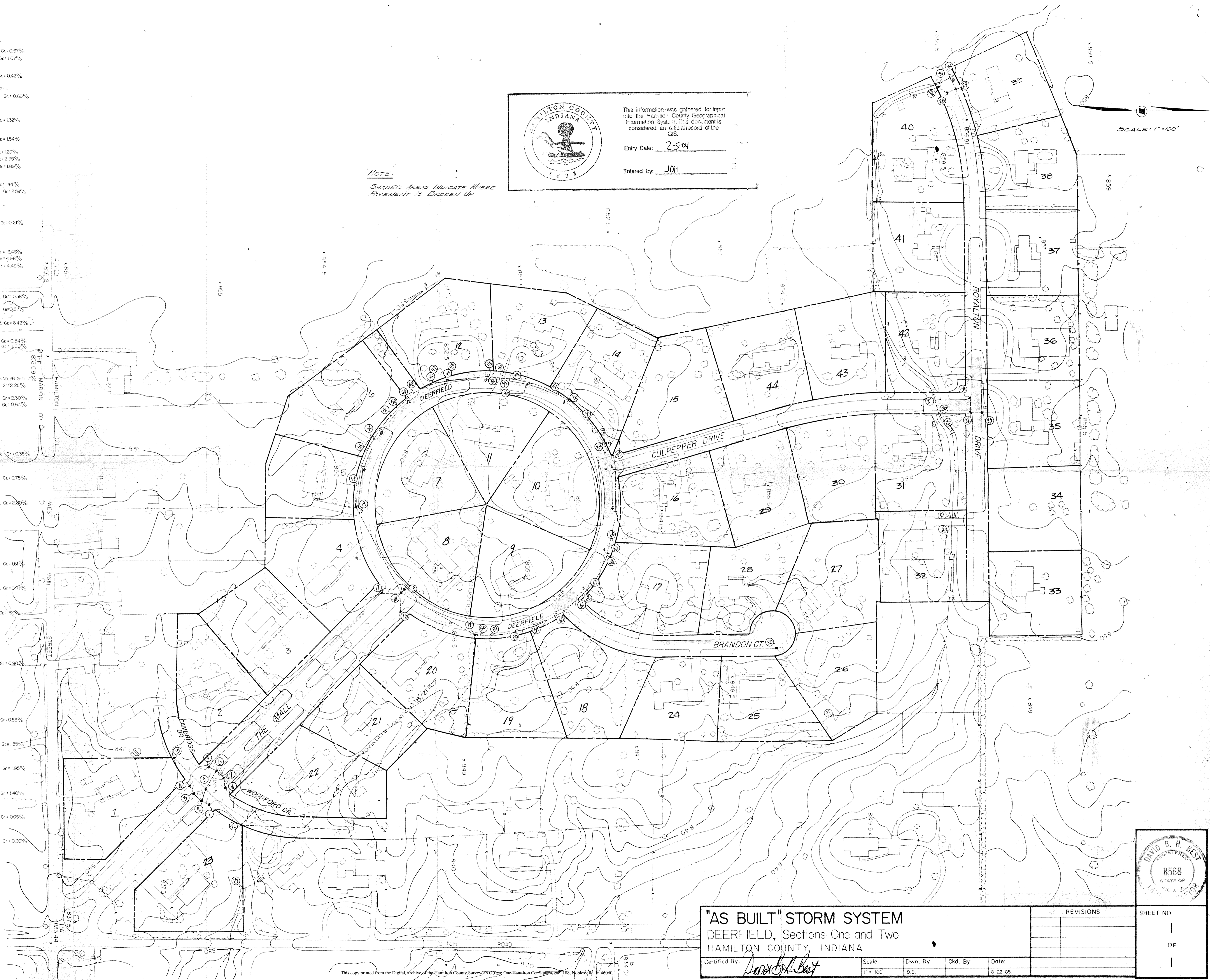
NOTE:  
SHADED AREAS INDICATE WHERE PAVEMENT IS BROKEN UP



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: 2-5-04

Entered by: JOH



**"AS BUILT" STORM SYSTEM**  
DEERFIELD, Sections One and Two  
HAMILTON COUNTY, INDIANA

Certified By: David B. Best Scale: 1" = 100' Dwn. By: D.B. Ckd. By: D.B. Date: 8-22-85

REVISIONS	SHEET NO.
	1
	OF
	1



*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*

### ***Map Correction-Field Verification***

**Drain Number:** 213

**Drain Length:** 6778'

**Drain Name:** Deerfield

**Change + / - :** 685'

**Date:** 07-09-2009

**New Length:** 7463'

**Verified By:** SLM, SAB, GRH

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#### **Notes & Sketch:**

The source documents the office had on file were unclear as to the exact materials, sizes, and footages of the drain. Our office recently conducted a field investigation to clear up these details. The footages were obtained from GIS and GPS measurements. Pipe sizes and materials were verified by pulling manhole lids. It should be noted that between Str. 15 to 18 that the pipe sized is labeled as an 18". However, the upstream end is a 21" with the downstream end being an 18". The other point of interest is that upstream of Str. 78 the pipe is a 21" and downstream of Str. 78 it is an 18". Although, a mystery as to this type of installation. This was field verified and was installed this way. Finally, it should also be clarified that there is no RCP or CMP enclosing the swale around the right of way for Deerfield Circle. The only pipes are those under the drive ways and those we have represented on the attached map. See the attached map and materials list for further details.

Suzanne L. Mills  
GIS Specialist



**Gasb 34 Asset Price &  
Drain Length Log**

**Drain-Improvement:** Deerfield Drain

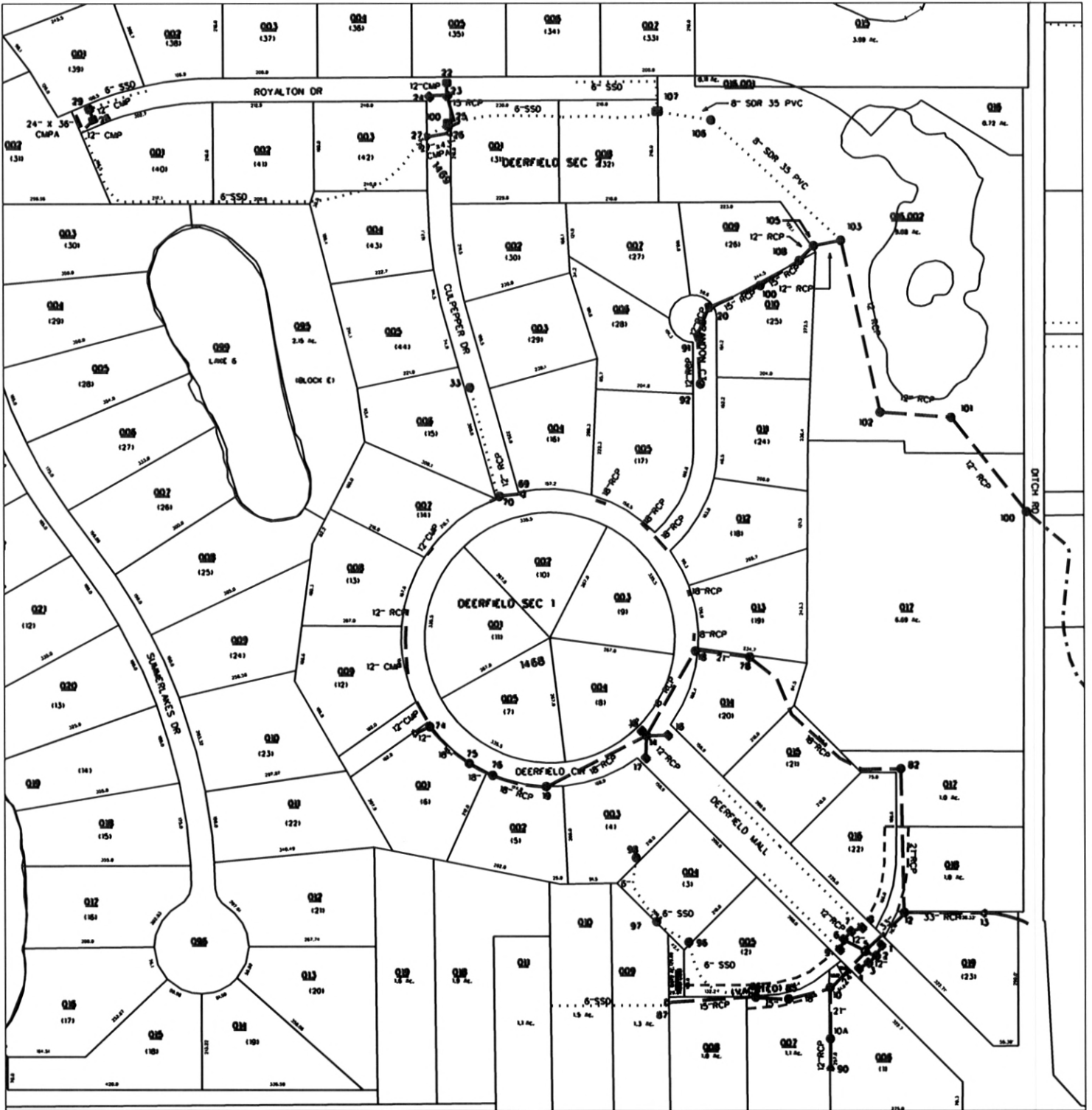
Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
CMP	12"	210	210			
VCP	12"	50	50			
RCP	12"	664	664			
CMP	15"	73	73			
RCP	15"	484	484			
RCP	18"	1373	1373			
RCP	21"	525	525			
RCP	24"	104	104			
RCP	33"	290	290			
CMPA	24X36	40	40			
CMPA	27X43	46	46			
SSD	8"	240	240			
SSD	6"	3244	3244			
OPEN DITCH	N/A	120	120			
<b>Sum:</b>		<u>7463</u>	<u>7463</u>			<u>*126,000.0</u>

Final Report: 6778\*

Comments:

\*The documents used to write the final report were not very detailed or complete. These pipe sizes, materials, and footages were collected during a field inspection to verify these details. This project was bonded - so the value of this asset will remain the same.

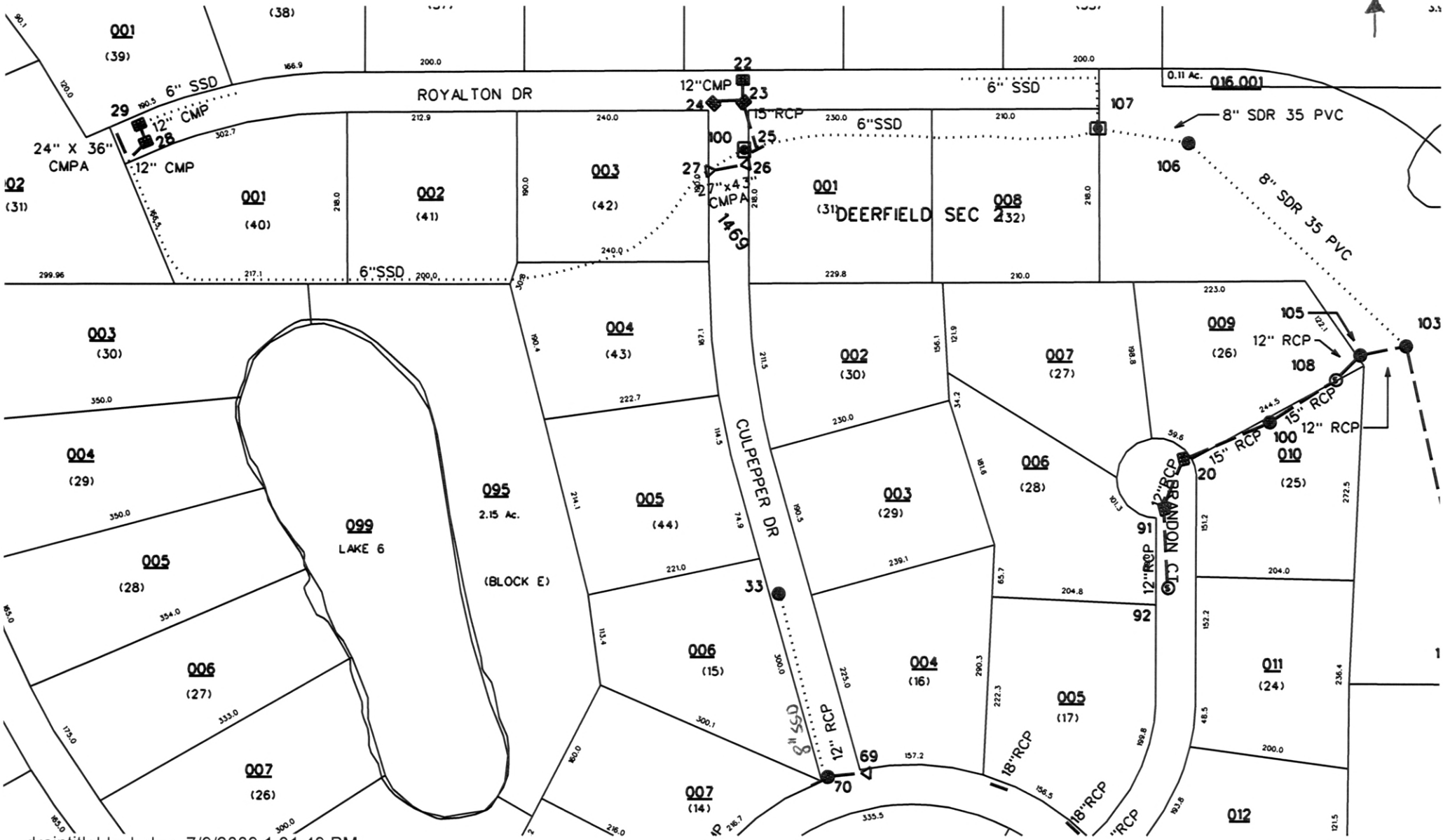
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N  
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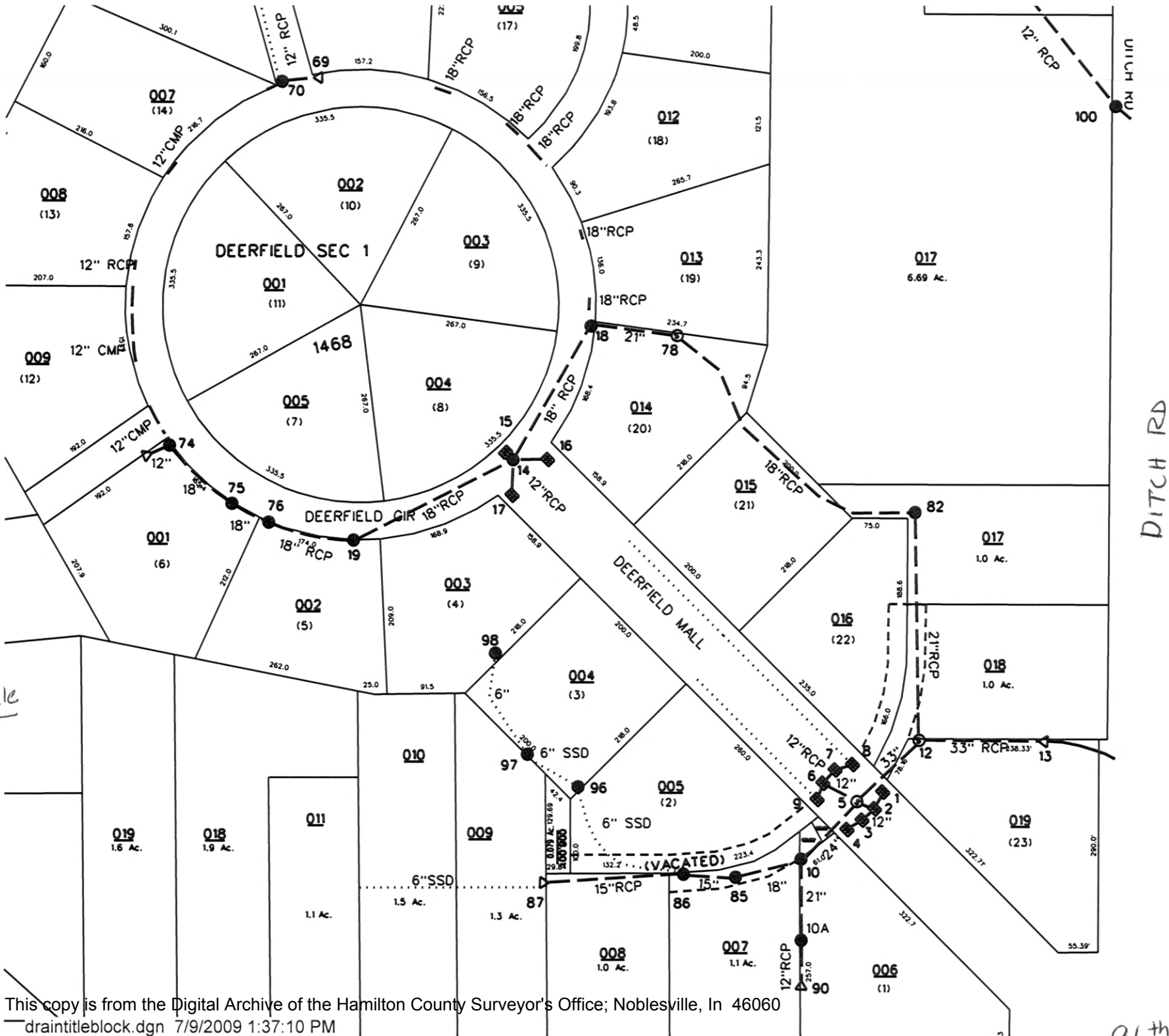
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96th ST

\* No Scale



draintitleblock.dgn 7/9/2009 1:31:49 PM



\* No Scale

96th ST