Drain: DEERFIELD DRAW Drain #: 2/3
Improvement/Arm: DEERFIELD - SECTION 4
Operator: JOH Date: Z-5-04
Drain Classification: Urban/Rural Year Installed: 186

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

QA 2.5

<u>/\//~</u>

Q4 Z-5

A. 2-5

QH Z-5

Q# 25

OR. Z-5

for y

QZ Z-5





776-9626

Noblesville, Ind. 46060 February 24

Mancy Ellen Olalan

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 quanities 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 feet. Also included in this project is the extention and expansion of the current system in order to improve the drainage conditions. This will involve the following quanities.

6" SSD	303 3 f	Ceet				
6" CMP	60 f	eet .				
Open ditch	120 f	Seet (B e tween	Sta 13	and	Ditch	Rd.)
12" CMP	140 £					,
12" RCP	185 f	`eet				
18" CMP	3 50 f	`eet				
18" RCP	40 f	`eet				
21" CMP	311 f	`eet				

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

LALOTS + AC.

STATE OF INDIANA)

SS:
COUNTY OF HAMILTON)

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

In	the ma	tter (of _	Deerfield		_Subdivision,	Sections
	1 and 2	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.
 - 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.

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

1 and 2, Hamilton County, Indiana
Name Address
1st Lota. Charles S. Store 9733 Deerfield Mall
Lot 22-2. Michael Orleany 9703 DERFIELD WILL - Chancy, Michael Ovann
1 ac - 3. Slen a. Brunk 9669 DELLARIS MAN.
Lod 20 4. Charles W. Kin by 9800 Derfield mall
LON 2 5. Robert 16. Station 9706 Dearfield Mall hot No Z
1 dilac- 6. Bunda & Raymond 9660 Deerfield Mall- George of & Brendes
Lot 37. Virginia & Reinhardt 9702 Deerfield Mall-Jemes.
Lot 4 9. Pat Carey John It Mary Patricia Delified Mall
Lot 4 9. Pat Carey ohn It Mary Patricia Delifield Mall
LOVB-10. (Los M Bichel (Roger danne) FRO DIR DING
(1880) sertield (inde-
La 10-12. Harriett H. Begg John Wit 9820 Deerfield Circle
Lod 1713. Allenney & Maryone 9825 Den field Cuche
Let 1814. The Designed Dorothy 982, Decepted Circle
Lad 9 15. Pat Schiller Patipain R Selling 9810 Dees field Cine Calhaunden + 201 Lot 30-16. John St. Caelling 9941 Care pepper DRIVE - Caelhaunden + Shirley
201 30-16. John H. Calling 9941 Cerepepper DRIVE - Calhaun John &
20 Lot 12 17. Eine M. Schneider & Saw J. 9940 CULPERPER DRIVE
Jud 2013518. W. D. Frank Jones 1630 POYK-TON DR.
Los/4/- 19. Michelie Abisburs & John 6 51 Regetton DU.
1838 an Minim Klain & Bradley 1735 Payalton Un.
Lot38_21. alian Crane of immy 1730 BoyAlton De
20139-22. Tohi Weenster 1750 Royalter Str.
Lot 19 24. Why wish 1660 Royalton Or 145 mindian 125 mindian
Lot 19 24. Wh. List 9803 DIEFFIFE CIP Wm J. Rush? 2 not 60/24-25. Errest & Minches 400 May 98/5 Brandon Lt.
and the country touching
11 was on Deer Jield Machine This
1st Lol 1-28. Sain G. Sal larry & Sharpy 9610 Deer Frield Klell. Int Lol 1-29. Mrs Poure 4. Thomas of 835 Deer field Cu. Paul H only 1st Lol 1-29. Mrs Poure 4. Thomas of 835 Deer field Cu. Paul H only
1 Ld11 - 29. Mrs Paul H. Thome of 835 Deerfield Co - Paul H only
101/W12-30 (Mark (1 Sloam 480) Well freed
1 to 1 de gala 9831 Brandon.
20 10/25 72 What Dlan watter & maje 98 as 13 harrand
20 lol31-33. Shoron Cusping Houn 7950 allfigger
14/11/ 74 1. Start of Kathling 748 Deerliel (ii
mg 20/4435. Stendart Deorge Contamine 9928 Culpepper Dr.

Hamiton County Council Polly Pearce, Auditor Hamiton County Courthouse Noblesville, In. 46060 BORROWER'S NAME AND ADDRESS	Ameritrust National Bank, Central Indiana P.O. Box 40 Noblesville, IN 46060 LENDER'S NAME AND ADDRESS	Loan Number 41524 Date December 13, 1989 Maturity Date January 15 1992 Loan Amount \$ 42,000.00
I promise to pay to you, or your order, at your address PRINCIPAL sum of Forty Two Thousand ar		Renewal Of Dollars \$ 42,000.00
☐ Single Advance: I have received all of this pr ☑ Multiple Advance: The principal sum shown the amount of \$	incipal sum. No additional advances are contemplat above is the maximum amount of principal I can bot 12,000,00 and future principal advances are ances are <u>in writing</u> , by telephone	ed under this note. rrow under this note. As of today I have received to contemplated.
conditions and expires (at I may borrow up to the maximum only one time (garan - 프로젝트 - 프로젝트
INTEREST: I agree to pay interest (calculated on a Fixed Rate: I agree to pay interest at the fixed, Variable Rate: I agree to pay interest at the ini Kindex Rate: The future rate will be 60 Central Indians	simple rate of% per year. tial simple rate of% per year. \$\frac{1.08}{2.08}\$ the following index rate.	nce(s) owing from time to time as stated below This rate may change as stated below. E. Ameritrust N. B.
Frequency and Timing: The rate on this An increase in the interest rate		11y 1990, 1991
	e unpaid balance owing after maturity, and until pails in effect before maturity (as indicated above).	
PAYMENTS: I agree to pay this note as follows: Interest: I agree to pay accrued interest Of final Jan. 15	n January 15, 1990, July 15, 1990,	, Jan. 15, 1991, July 15, 1991
Jan. 15, 1991,	mi-annual @ \$8400.00 each, on Jar July 15, 1991, final on Jan. 15, payments. The first payment will be in	1992.
and the second of the second o	,, A payment of \$ thereafter	The state of the s
The amount of each scheduled paymen		
ADDITIONAL TERMS:	A Special Control of the Control of	
SECURITY: This note is secured by		TO THE TERMS OF THIS NOTE (INCLUDING DE). I have received a copy on today's date. COUNCIL. Audutor
Signed Title	For Lender Polly Pearce, Hampton County Surveyor's Office; One Hamilton Co. Squa	Auditor

TAX EXEM	PT . " "	
	THE AMERICAN NATIONAL BANK P.O. BOX 40 NOBLESVILLE, IN AME AND ADDRESS ler, its successors and assigns.	Loan Number 41524 Date 41524 Maturity Date 41524 Loan Amount \$ 4450000000000000000000000000000000000
PRINCIPAL sum of	d 90/10 -	Bollers 84, 000.00
Single Advance: I have received all of this principal sum. No additiona	advances are contemplated und	ler this note.
Multiple Advance: The principal sum shown above is the maximu	m amount of principal I can bor	row under this note. As of today I have receive
the amount of \$an	d future principal advances are o	contemptated.
Conditions: The conditions for future advances are	E.	
Open End Credit: You and I agree that I may borrow up to the m		e than one time. This feature is subject to all oth
conditions and expires no later than Closed End Credit: You and I agree that I may borrow up to the		iggt to all other conditions)
	Me TECT	act to an other conditions).
INTEREST: I agree to pay interest on the principal balance(s) owing from time	to time as stated in this section	territorio de la companya del companya de la companya del companya de la companya del companya de la companya de la companya de la companya del companya de la companya dela companya del companya de la companya de la companya de la
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 ☐ Index Rate: The future rate will be	the following index rate:	This rate may change as stated below.
Li musa nate. The future rate will be	the following mack rate.	
No Index: The future rate will not be subject to any internal or		
Frequency and Timing: The rate on this note may increase as An increase in the index will take effect	TANUA ST	AND JULY 15%
Limitations: The rate on this note will not at any time (and no m	atter what happens to any index	rate used) go above or below these limits:
☐ Maximum Rate: The rate will not go above	<u> </u>	and property of the control of the section of the s
Minimum Rate: The rate will not go below		en de la companya de Na companya de la co
Post Maturity Rate: I agree to pay interest on the principal owing after on the same fixed or variable rate basis in effect before maturi		s stated below:
at a rate equal to	ty (as majority apovo).	ander en
and the state of t	Problem Red Comment	harmonial of a simple part of the simple of the
ADDITIONAL CHARGES: In addition to interest, I 💮 🖸 have paid 🕒 a	gree to pay, the following add	itional charges
PAYMENTS: I agree to pay this note as follows:		
Sinterest: I agree to pay accrued interest with the PRINCIP		9. TAN 15 AND JULY 15, 192
1989 1990, 1891, AND	JAN. 15, 1992	A series to the Total form and the
Principal: I agree to pay the principal FAMILE OF CO	100.00 AN 15 199	2 13 146 1; JAN 15 AND
Installments: I agree to pay this note in payments. I	(1) 「大阪大阪、大阪大阪、大阪大阪、佐藤、大阪、大阪、大阪、大阪、大阪、大阪、大阪、大阪、大阪、大阪、大阪、大阪、大阪、	ne amount of \$
and will be due	9 A payment of \$	will be due on theday
each	thereafter.	The final payment of the entire unpaid balance
principal and interest will be due	19	
Fifect of Variable Rate: An increase in the interest rate will have the	e tollowing extect on the baymer	nusi.
☐ The amount of the final payment will be increased.	San	
1 / nous of reclaimed exten	EST PAO.	
and the second of the second o	and the state of t	
ADDITIONAL TERMS:	a di partidi di Salah da Salah Salah da Salah da Sa	The manager of the second of t
	A Brian Approved to Constant	TO THE TERMS OF THIS NOTE (INCLUDIN
SECURITY: This note is secured by :	THOSE ON THE OTHER	SIDE). I have received a copy on today's da
	LAMILTON COUNTY BOAR	D of commissioners
	VIEw To	oud ordere
	02)
	manager of the property of the contract of the	and the contract of the contra
🔲 If checked, no agreement was signed today securing this note; 🕬 🕬 🕬	11 M 4524	7-204-64
(This section is for you'r internal use it may not include every agree-	revor's Office: One Hamilton Co. Son	Total Company of the Last Noblesville, In 46060
	eyor's Office; One Hamilton Go. Sqi	uare, Ste. 188, Noblesville, In 46060





776=9626

Noblesville, Ind. 46060 January

1087

J. M. 1 2 15 1

TO: Hamilton County Drainage Board

RE: Deerfield Drain

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 additiona 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 lenght to the drain is as follows:

- $\sqrt{1}$. 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 feet, the total length for the drain is 6778 feet. A mylar is now being preparded showing the regulated drain.

KCW/no

Kenton C. Ward Hamilton County Surveyor

Home the consist opening at books

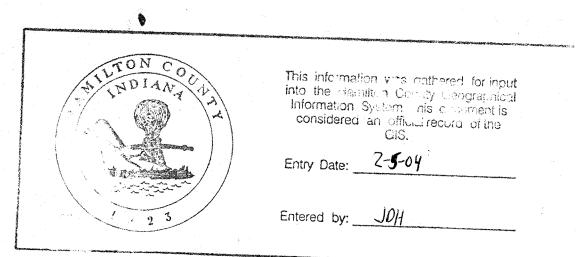
DEERFIELD, SECTIONS ONE AND TWO A SUBDIVISION OF HAMILTON COUNTY, INDIANA

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

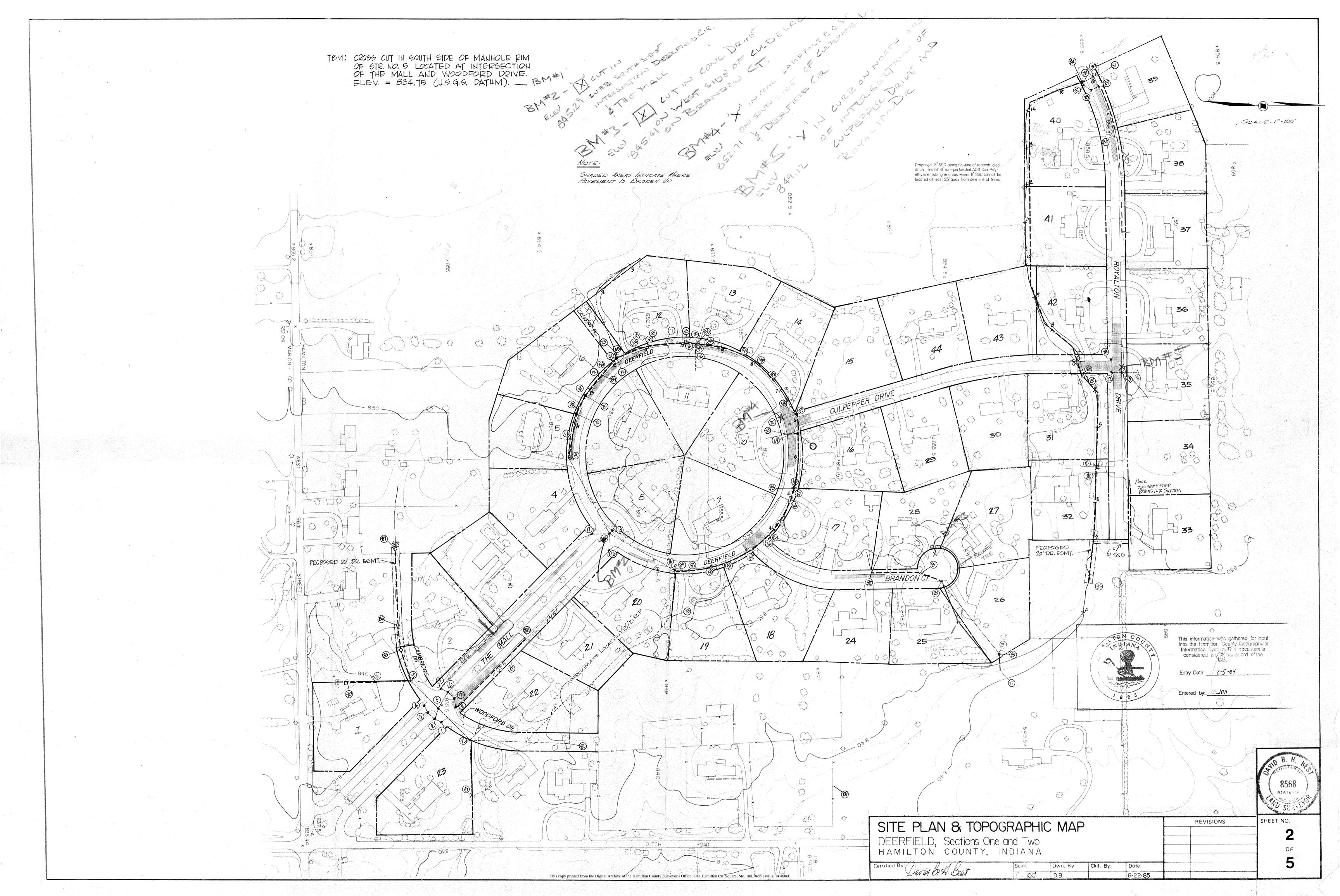
This copy printed from the Digital Archive of the Hamilton County Surveyor's Office; One Hamilton Co. Square, Ste. 188, Noblesville, In 46060

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

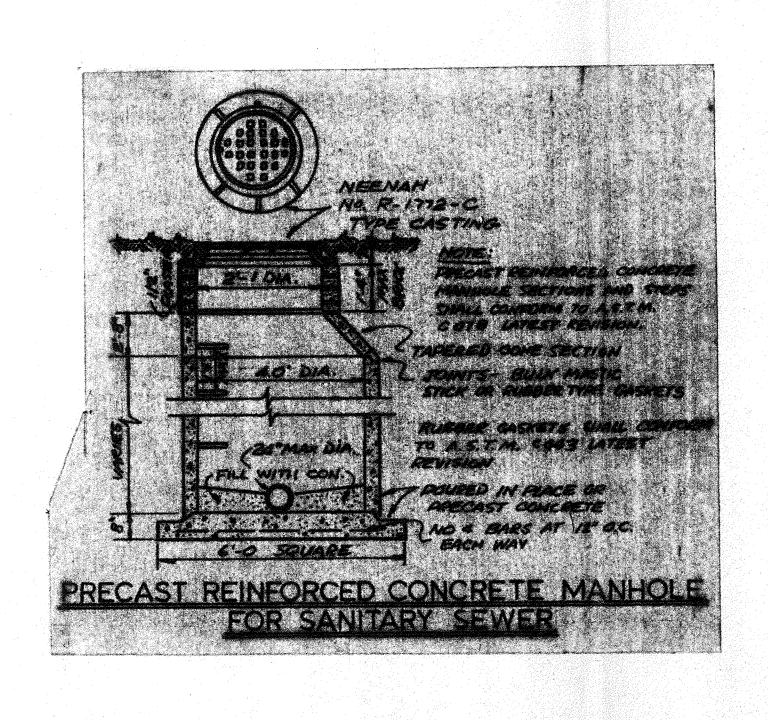


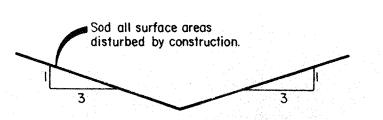
Prepared by:
David B. H. Best, R.L.S.
5402 Washington Boulevard
Indianapolis, Indiana 46220



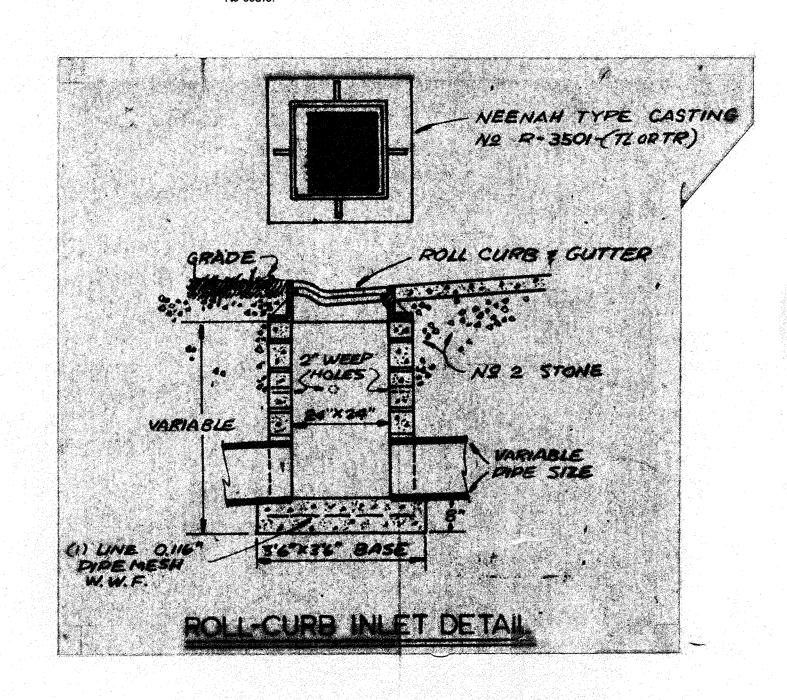


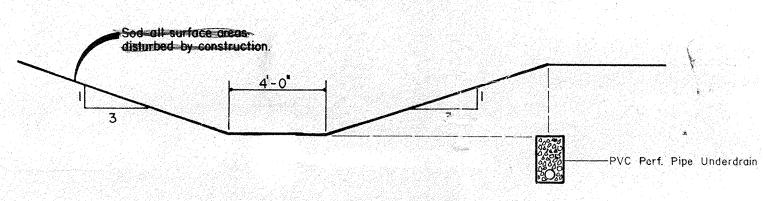
MARKENER (INSTALL 20 L.E-12" CMP (GP. = 1.70% - EXICTING DITCH FLOW LINE - METAL END SECTION INV. EL = 943.60 PROFILE OF CALVERY STREET DRAWAGE SWALES OCALE: HOR! 1" = 50' VEQT 1" = 5'



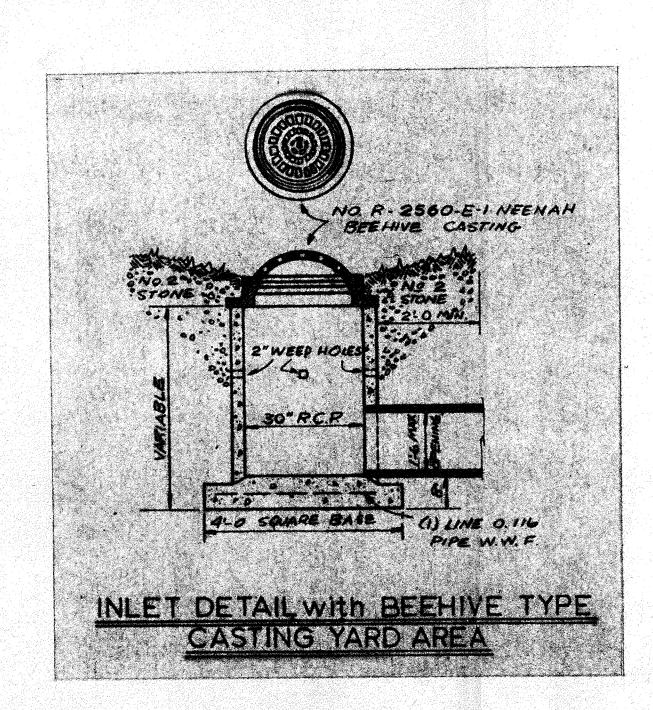


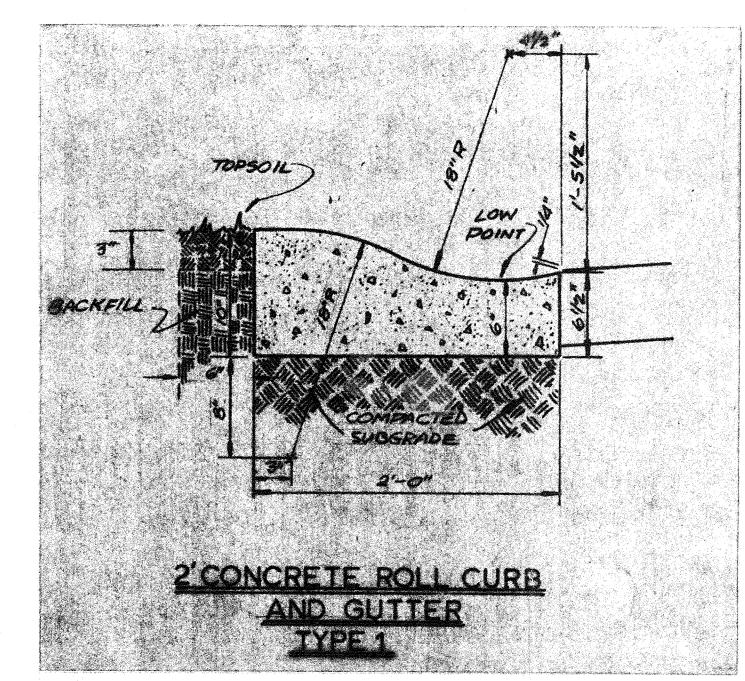
DEERFIELD CIRCLE SIDE DITCH X-SECTION



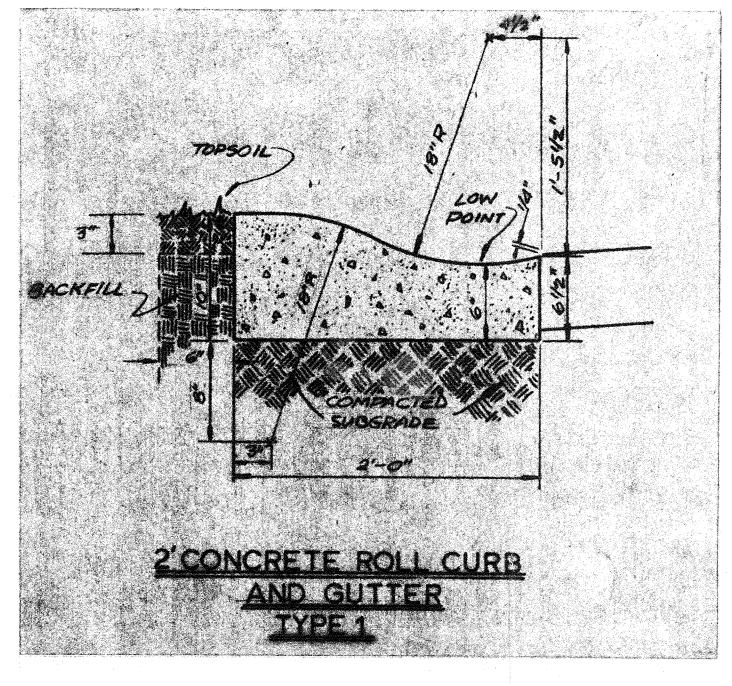


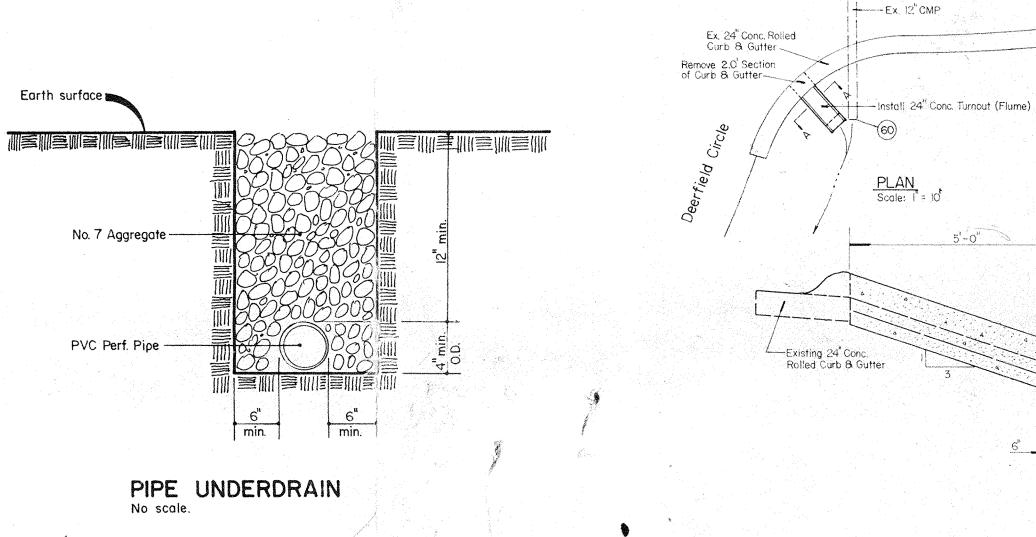
X-SECTION OF DRAINAGE DITCH THRU LOTS 32, 31, 42, 41, 40 and 41.





Warid & A Best





«GENERAL NOTES »

1. ALL WORK TO BE DONE IN ACCORDANCE

WITH SPECIFICATIONS AND REQUIREMENTS
OF THE BOARD OF COUNTY COMMISSIONEDS
OF HAMILTON COUNTY, KDIAKA.

LINES WITHIN LIMITS OF CONSTRUCTION.

DETAIL OF VENT PIPE AT DRAINAGE POINT 81

Brandon Ct.

-Attach tamper proof vent cap

rovide pipe separation below grade

with connecting band for inspection

Remove section of existing 14" clay underdrain pipe — replace with 15" x 6" CMP tee

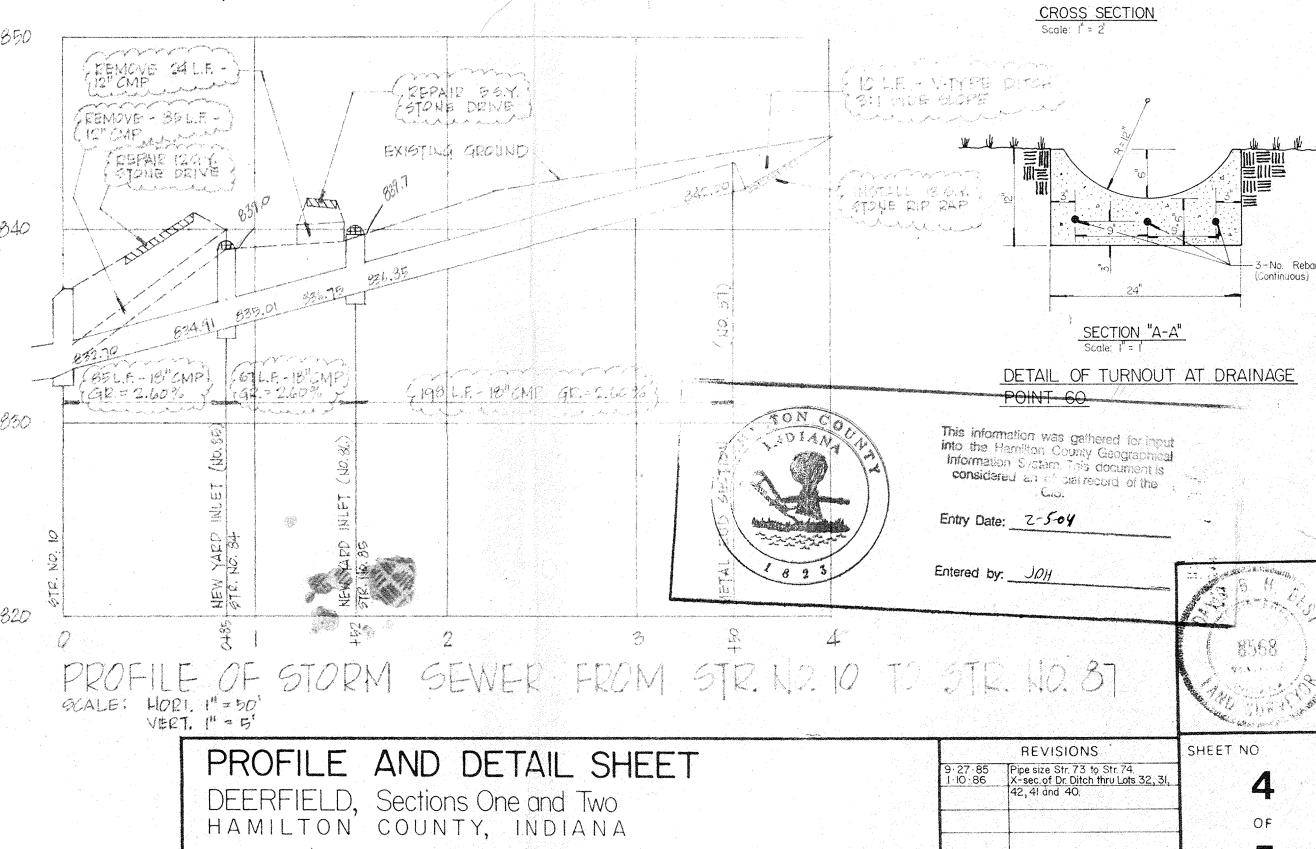
S W W W W

2. CONTRACTOR RESPONSIBLE FOR VERIFYING LICATION OF ALL BUDGESGOUND UTILITY

3 GAND BACKFILL REQUIRED IN ALL STREET AND

DRIVEWAY SUTS.

THE WAY WE WE WERE



As noted.

Ckd. By:

8-22-85

	Sections One and ion of Hamilton C		
he Collowi ubsirision ar sor th	ing is a study of n with recommenda he Board of Count lify for acceptan	the existing storm drainage system of this tions to upgrade the system to meet the stan- y Commissioners of Hamilton County, Indiana, ce by the Commissioners as a regulated drain. for structure locations.	
tructure umber	Structure No. Stationing or	Descriptive Comments and Recommendations	
1	Location The Mall at Woodford Dr.	Existing curb inlet. Acceptable condition No work required. (AC/NWR)	
2		Existing curb inlet. Remove small branches from inlet bottom.	
3	M	Existing curb inlet. AC/NWR.	
, Lip		Existing curb inlet. Silted full. Remove silt from inlet. Clean out silt from 24 E.F. of 12" RCP from Str. No. 3 to Str. No. 4.	
5	900 1900 1900 1900	Existing storm manhole, AC/NWR,	
5 5	±1. 12.,	Existing curb inlet. AC/NWR	
7		Existing curb inlet. Remove gravel from hlet bottom.	
.8 ************************************		Existing curb inlet. Remove gravel from inlet bottom. Clean out gravel from 28 L.F. of 12" RCP from Str. No. 8 to Str. No. 7 Connect new o" SSD to Str. No. 8 from Str. No. 72.	
9	## 1	Existing curb inlet. AC/NWR.	
10	Cambridge Dr.	Existing storm manhole. Remove existing 2" CMP located within existing 18"RCP stub out located at west side of manhole. Connect new 18"CMP to 18"RCP stub out. Lower manhole casting to meet existing ground.	
11	W. line Lot 1	Existing storm inlet. Tap new 12"CMP into Str. No. 11 from Str. No. 90. Inv. el. (in) = 834,50. See Str. No. 90 notes.	
12	NW/e Lot 23	Existing storm manhole. AC/NWR.	
13	N. line Lot 23	Downstream end of existing 21"RCP. AC/NWR	
	The Mall and Deerfiel Cir.	Existing storm manhole. AC/NWR.	
1. 15		Existing curb inlet. AC/NWR.	
10		Existing curb inlet. Remove broken cont. ind gravel from inlet bottom.	
17	, n	Existing curb inlet. AC/NWR.	
18	Sta. 0+00 Deergiela Cir. (D.Cir.)	Existing storm manhole. Tap new of SF into north size of Str. No. 18. Install 570 L.P. of new 6"3SD from Str. No. 18 to Str. No. 70.	
19	Sta. 14+98 D. Cir.	Existing storm manhole. Place and compact No. 2 stone between Str. No. 19 and edge of patternt. Tap new 21"CMP into west side of manhole. New Sheet 3 of 5 for details.	
20	SW/e Lot 25	Existing curb inlet. Remove gravel from inlet botkom. Tap new 12" C-14II CP into west side of inlet. See Str. No. 91 notes. Replace 223/L.F. of existing 12"CMP with 15"RCP @ 0.32% from Str. No. 20 to Str. No. 21. Upstream el. = 842.00.	
21	SE/c Lot 26	Downstream el. = 841.24, Downstream end of existing 12"CMP from Str. No. 20. Remove existing headwall. See Str. No. 20 notes. Install 0 L.F. of o"SSD from Str. No. 21 to Str. No. 77. Construct V-type ditch above	
22	Royalton Dr. & Culpepper Dr.	6"SSD w/3:1 side slopes. Install French drain. Existing curb inlet. Remove gravel and silt from inlet bottom. Clean out silt from 73 L.F. of 15"CMP from Str. No. 22 to Str. No. 23. Remove and replace 15 L.F. of 24" conc. rolled even and gutter at ourb radius adjacent to Str. No. 24.	
21		Lower Str. No. 24 casting. Existing curb inlet. Remove gravel and silt from inlet. Clein out gravel and silt from 24 L.F. of 12"CMP from Str. No. 23 to Str. No. 22.	
24		Existing curb inlet. Remove gravel and silt from inlet. Clean out gravel and silt from 24 L.F. of 12"CMP from Str. No. 24 to Str. No. 22. Remove and replace 15 L.F. of 24" cond. rolled curb and gutter at curb radius adjacent to Str. No. 24. Lower disting on Str. No. 24.	
25	W. line Lot)1	Downstream end of existing 15"CMP filled with 12" of silt. See Str. No. 22 notes.	
25	W. line Lot 31	Downstream ent of existing 43"x27"CMPA with 12" of silt. Clean out 40 L.F. of 43"x27"CMPA from	
27	£. line Lot 42	Str. No. 26 to Str. No. 27. Upstream end of existing 43"x27"CMPA with 12" of silt. See Str. No. 26 notes.	
28	Royalton Dr. at Lot 40	Existing curb inlet. Remove silt from inlet. Clean out silt from 25 L.F. of 12"CMP from Str. No. 28 to Str. No. 32.	
		NO. 49 60 N. 190. 140.	

Royalton Dr. Existing curb inlet. Remove silt from inlet. at Lot 39 Clean out silt from 24 L.F. of 12"CMP from Jtr. No. 29 to Str. No. 28.

Royalton Dr. Upstream end of existing 36"CMP. Clean out 18" of silt from 40 L.F. of 36"CMP from 50. No. 30 to Str. No. 31.

Royalton Dr. Downstream end of existing 36"CMP with 21" of at Lot 40 silt. See Str. No. 30 notes. Upstream end of new 6"SSD from Str. No. 84 ends at Str. No. 31

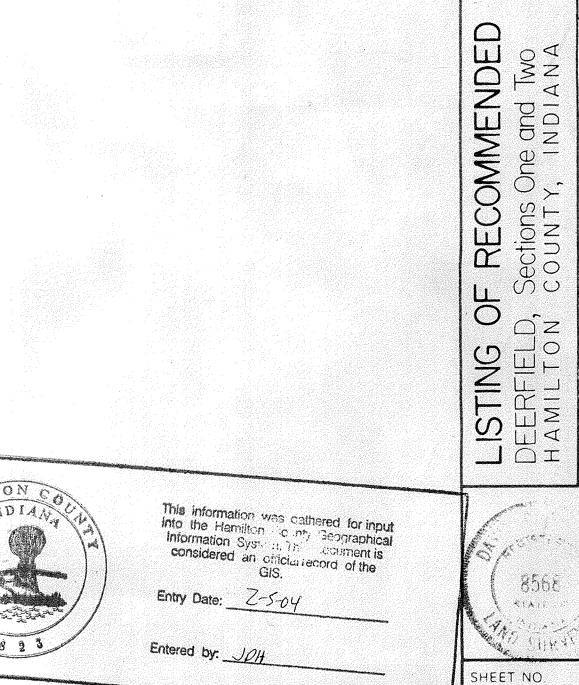
Install Premeh drain.

- mens	tructure umbe.	Structure No. Stationing or Location	Descriptive Comments and Recommendations
	132	Royalton Dr. at Lot 40	Downstream end of existing 12"CMP with 6" of silt. See Str.No. 28 notes. Install French drain.
	33	Sta. 6+35 D. Cir.	Downstream end of existing 12"CMP. AC/NWR.
		.Sta. 6+55 D. Cir.	Upstream end of existing 12"CMP, AC/NWR.
	35	Sta. 7+40	Downstream end of existing 4" clay tile.
	36	Sta. 8+03 D. Cir.	Upstream end of existing 12"CMP. AC/NWR.
	37 ()	Sta. 8+23 D. Cir.	Downstream end of existing 12"CMP. Correct mashed down end of pipe.
	138 (Ta)	Sta. 9+45 D. Cir.	Upstream end of existing 12"CMP, Remove, clear out and reset 20 L.F. of existing 12"CMP from Str. No. 38 to Str. No. 39. Repair 9 S.Y. of stone draws. See Sheet 3 of 5 for details. APE was rust pour NOS Republic.
	39	Sta. 9+65 D. Cir.	Downstream end of existing 12"CMP with 2" of silt. See Str. No. 38 notes.
	40	3ta. 9*65 D. Cir.	Downstream end of existing 4" clay tile. Config. to new 6"SSD.
	41	Sta. 6+70 D. Cir.	Downstream end of 2"PVC pape. Connect to new 5"3SD.
	1/2	Sta. 9+67 D. Cir.	Downstream end of existing 6"PVC pipe, See See. No. 55 notes.
	43	Stn. 9+98 D. Cir.	Upstream end of existing 12"CMP. AC/NWR.
	44:	Sta. 10+98 D. Cir.	Downstream end of existing 12"CMP. Sec Str. No., 71 notes.
		Sta. 10+98 B. Gir.	Upstream end of existing 10"VCP. Remove 40 1.P. of existing 10"VCP from Str. No. 4, to Str. No. 46. See Sheet 3 of 5 for details.
	45	Sta. 11+40 D. Cir.	Downstream end of existing 10"VCP. See Str. No. 45 notes.
	47	Sta. 11+40 D. Cir.	Conc. headwall at upstream end of existing 12"CMP silted full. Clean out silt from 181.F. at existing 12"CMP from Str. No. 47 to Blr. No. 4.
	18	Sta. 11+85 D. Cio.	Conc. heatwill at downstream end of existing 12"CMP with 10" of silt. See St., No. 47 nobes.
	19	Sin. 11+90 F. Olt.	Wpstream on a of existing o" clay tile. Remote tile.
	(4)	Sti. 12+45	Top of existing 6" clay tile, Remove tile.
		Sta. 12+65 D. Cîr.	Top of existing 5" clay tile. Remove tile.
	52 	Sta. 13+28 D. Gin.	Upstream end of existing 12"CMP, Remove 20 I of 12"CMP from Str. No. 52 to Str. No. 53.
		Sta. 13+78 D. Cta.	Bownstate and of existing 12"CMP, See But, No. 32 notes.
	54	Sta. 14+48 D. Cir.	Downstream end of existing 4" clay tile.
	55	SE/c Lot 13	Downstream end of new o"CMP. Install 30 L.F. of new 6"CMP. Connect to existing 5" pipe at 5 m. No. 42. Connect downstream end of new 6"CMP to new 6"SSD at Str. No. 55.
	56	Stu. 0+14 D. Cir.	Downstream end of existing 9"CMP. Remove 20 L.R. of existing 9"CMP from Str. No. 30 to Str. No. 37. Replace with 20 L.F. of new 18"RCP. Repair 3 5 7. of asphalt pavement. See Sheet 3 of 5 for details.
	57	Sta. 0+34 D. Cir.	Upstream end of existing 9"CMP, See Str. No. را مراد notes.
	58	Sta. 1+17 D. Cir.	Downstream end of existing 9"CMP. Remove 20 L.F. of existing 9"CMP from Str. No. 58 to Str. No. 19. Replace with 20 L.F. of new 18"RCP. Repair 10.7. of asphalt pavement. See Sheet 3 of 5 for details.
	39	Sta. 1+37 D. Gir.	Upstreum end of existing 9"CMP. See Str. No. 56 notes.
	50	Sta, 2+24 D. Cîr.	Downstream end of existing 12"CMP with 6" of silt. See Str. No. 61 notes. Install curb turn out at Str. No. 60.
	61	Sta. 2+68 D. Cir.	Replace existing 12"CMP with 40 L.P. of 18"RCP from Str. No. of to Str. No. 50. See Sheet 3 of 5 for details.
	52	Sto. 2+85 D. Cin.	See Str. No. 63 notes.
	53	Sta. 3+05 D. Cir.	Replace existing 12"CMP with 20 L.F. of 18"RCP from Str. No. 63 to Str. No. 62. See Sheet 3 of 5 for details.
	δħ:	Sta. 3+98 D. Cir.	See Str. No. 65 notes.
	55	Sta. 4+18 D. Cir.	Replace existing 12"CMP with 20 L.F. of 18"RCF from Str. No. o5 to Str. No. 64. See Sheet 3 of 5 for details.
	66	Sta. 4+25 D. Cir.	Downstream end of existing W"PVC pipe.
	\$7 20 20 20 20 20 20 20 20 20 20 20 20 20	Lot 32	Upstream end of existing 36"CMP with RR tid headwall. Remove and reset 20L.F. of existing 36"CMP from Str. No. 67 to Str. No. 58. Rebuild RR tie headwalls. See Shoet 3 of 5 for details

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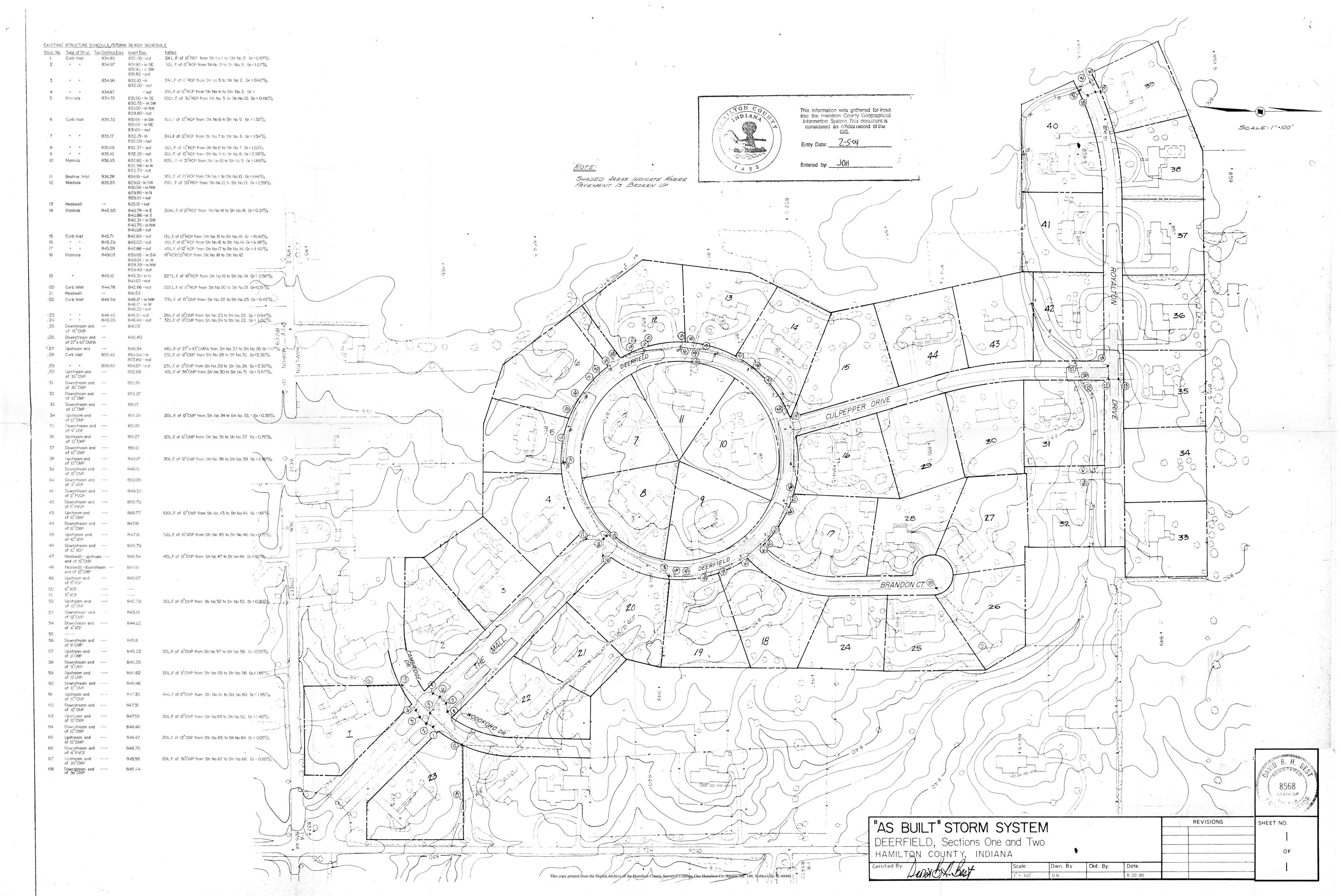
* 06 m*	e esta e	
Structure Number	Structure No. Stationing or Location	Descriptive Comments and Recommendations
- 58 % 	Lot 32	Downstream and of existing 36"CMP with RR tie haadwill. See Str. No. 57 notes.
69 169	Sta. 5+83 D. Cîr.	Downstream end of new 12"CMP, Install 40 L.F. of new 12"CMP from Str. No. 69 to Str. No. 70. See Sheet 3 of 5 for details.
70	Sta. 6+23 D. Cir.	Install new yard inlet at end of existing conc. rolled curb and gutter. See Sheet 3 of 5 for details.
71	Sta. 10+58 D. Cir.	Cut existing 12"CMP. Remove 40 L.F. of existing 12"CMP from Str. No. 71 to Str. No. 44. See Sheet 3 of 5 for details.
72	Wly/c Lot 22	Connect existing sump pump drain to new 6"SSD. Install 180 L.F. of new 6"SSD from Str. No. 3 to Str. No. 72. Tap new o"SSD into Str. No. 8. See Sheet 2 of 5.
73	Sta. 0+20 Calvert Pl.	Upstream end of new 12 CMP with metal end section. Install 20 L.F. of new 12 CMP from Str. No. 74 to 15 Str. No. 73. See Sheet & ct. from details.
74 74	Sta. 0+00	Install new year inlet. See Shoot 4 of p for accurate line tall 450 L.F. of new 6"SSF from Str. No. 74 to Str. No. 35.
75	Sta. 13+25 L. Cir.	Install new yard inlet. See Sheet 3 of 5 for details.
75	Sta. 13+76 D. Ciņ.	Install new yard inlet. See Shoet 3 of 5 for actuils.
77	NE from SE/c Lot 26	Broken exasting Caeld tile. Unearth tile for inspection. Consult with surveyor los rewedial attion to be taken.
78	S. line Lot 19	Sinkhole at approximate location of connection of existing 18" and 21" pipes. Unearth pipes for inspection. New storm manhole with Nechah R-2502-B casting w/type "h" grate or approved equal at Str. No. 78. Consult with surveyor for remedial action to be taken.
79	Str. 5+70 D. Cir.	Install 30 L.F. of new office from Str. No. 79 to Str. No. 83. Connect to existing 4"VCP at Str. No. 83, Repuls of S.Y. of Asphalt pavement. New yard infer
80	SW/c Lot 38	Fownstream end of existing sump pump drain. Inspect for size. Connect new pipe of same size and install 120 b.F. of same size. PVC pipe along north side of Royalton Brive curb to Str. No. 29. Tup into Str. No. 29. Repair) S.Y. of asphalt parament in Lot 39 driveway.
83	Lot 22 Sta. 5+70 D. Cir.	storm sewer from Str. No. 12 to Str. No. 12. Unearth pipe for inspection. New storm mathers proposed at this location. See Str. No. 76 notes for easting designation. Downstream end of existing a "VCP sump pump drain, See Str. No. 79 notes.
84	Sta. 0+84 Existing co.	nownstroum encor new o'SSL. Install 1490 M.P. of new o'SSD from Stv. No. 84 to Str. No. 31. See Sheets 2 of 5, 3 of 5 and 4 of 5 for details. Connect Str. No. 84 to existing drain tile.
85	South of S. line Lot 2	Install new yard inlet. Remove 85 L.F. of existing 12"CMP. Install 85 L.F. of new 18"CMP from Str. No. 10 to Str. No. 85. See Sheets 2 of 5 and 4 of 5 for retails.
89	South of S. line Lot 2	Install new yard inlet. Remove 24 L.F. of existing 12 CMP. Install of L.F. of new 18 CMP from Str. No. 8, to Str. No. 86. See Shoots 2 of 5 and 4 of 5 for details.
87	SW from SW/c Lot 2	Upstream end of new 18"CMP with metal end section. Install 198 L.F. of new 18"CMP from Str. No. 85 to Str. No. 87. See Sheets 2 of 5 and 4 of 5 for actuals.
88	Sly/c Lot 21	Connect existing samp pump drain to new o"SSI. Install 80 L.F. of new o"SSD from Str. No. 78 to Ste. No. 88,
89	N. line Lot o	Connect existing sump pump dealn to new 18"ROP.
90	W, line Lot 1	Install metal end section at upstream end of new 12"CMP. Install 80 L.F. of new 12"CMP from Str. No. 11 to Str. No. 90. bownstream el. = 83/1.30. Upstream el. = 836.00. Gr. = 1.88%. Tap new 12"CMP into Str. No. 11.
91	E. line Lot 28	Install new curb inlet with Neenah R-3875 castang or approved equal. Install to L.F. of new 12"RCP. Pownstroum el. = 862.70. Upstream el. = 842.98. Gr. = 0.50%. Tap new 12"RCP into Str. No. 20.
<i>92</i>	(SE/c Lot 28	Connect two existing sump pump drains to new yard inlet at Str. No. 92. Install 130 L.F. of new 12 RCP from Str. No. 91 to Str. No. 92
93 95 95	SW/c Lot 10 NW/c Lot 10 Ely/c Lot 25	Install French drain in new 6"SSF adj. to S .No. 00 Install French drain in 5"SSF. Install French drain in 6"SSD east of Str. No. 21.

to Sty. No. 70. See	
d of existing conc. Sheet 3 of 5 for	
10 L.F. of existing tr. No. 44. See	
rain to new 6"SSD. From Str. No. 3 Into Str. No. 8.	
ith metal end section. P from Str. No. 74 to - For details.	
Shoot 4 of 5 for new 6"SSF from Str.	
Sheet 3 of 5 for	
Shoet 3 of 5 For	
Unearth tile for revedial	
tion of connection of Unearth pipes for a with Nechah R-2502-B approved equal at urveyor for remedial	
Jeom Str. No. 79 to ting 4"VCP at Str. Nov parement. New yard in	
ump pump drain. ew pipe of same size size PVC pipe along curb to Str. No. 29. 3 S.Y. of asphalt	
10" underd ain. 2 point in existing to 5 . No. 1 . New storm mathele ee Str. No. 70 notes "VCP sump pump drain.	
install 1490 h.P. et o Str. No. 31. See of joor details. ing drain tile.	
ve 85 L.F. of existing ew 18"CMP from Str. heets 2 of 5 and 4 o	
ew 18"CMP from Sor. heets 2 of 3 and	
ith metal end section. MP from Str. No. 85 to 5 and 4 of 5 for	
rain to new 5"SSI. trom Str. No. 72 to	
rain to new 18"ROP. upstream end of new ew 12"CMP from Str.	
tream cl. = 83/1.50. 0 1.88%. Tap new	
Neenah R-3875 has lang > L.F. of new 12"ROF, theam el. = 842.98.	
mp drains to new nstall 130 L.F. of to Str. No. 92	
ó"SSI adj. to S∣?.No.° L.	56.
D east of Str. No. 21.	





IMPROVEMENTS







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

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 instillation. 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

					If App	licable
Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
CMP	12"	210	210			
VCP	12"	50	50			
RCP	12"	664	664			
СМР	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			
	Sum:	7463	7463			*126,000.0

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.

