

Drain: CENTENNIAL DRAIN **Drain #:** 315
Improvement/Arm: CENTENNIAL - SECTION 3
Operator: JDH **Date:** 11-10-03
Drain Classification: Urban/Rural **Year Installed:** 2001

GIS Drain Input Checklist

- Pull Source Documents for Scanning JPA 11-10
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JPA 11-13
- Digitize & Attribute SSD N/A
- Digitize & Attribute Open Ditch JPA 11-13
- Stamp Plans JPA 11-13
- Sum drain lengths & Validate JPA 11-13
- Enter Improvements into Posse JPA
- Enter Drain Age into Posse 11-17 JPA
- Sum drain length for Watershed in Posse 11-17 JPA
- Check Database entries for errors JPA 11-13

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

Drain-Improvement: CENTENNIAL DRAIN - CENTENNIAL-SECTION 3

Drain Type:	Size:	Length <i>(SURVEY REPORT)</i>	Length <i>(DB Query)</i>	Length Reconcile	If Applicable	
					Price:	Cost:
<i>RCP</i>	12"	3354.5'	3354.5'	∅		
	15"	377.9'	377.9'	∅		
	18"	969.9'	969.9'	∅		
	24"	2136.2'	2136.8'	+ .6'		
	30"	1367.7'	1367.7'	∅		
	36"	856.1'	856.1'	∅		
<i>OPEN DITCH</i>		195'	195'	∅		

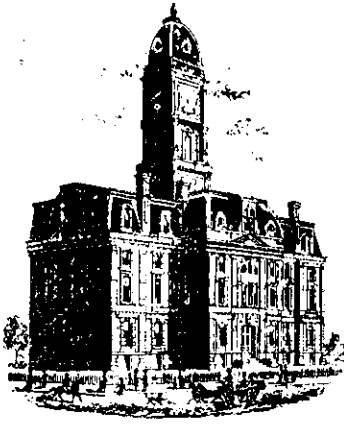
Sum: 9257.3' 9257.9' + .6' _____

Final Report: _____

Comments:

SURVEY REPORT SHOWS 2136.2' FOR 24" LENGTH

AS QUITS SHOW 2136.8' FOR 24" LENGTH.



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

To: Hamilton County Drainage Board

August 14, 2000

Re: Centennial Drain, Section 3 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 3 Arm, Centennial 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. The drain will consist of the following:

6" SSD	4,745 ft	18" RCP	1,109 ft	36" RCP	851 ft
12" RCP	3,289 ft	24" RCP	2,008 ft	Open Ditch	195 ft
15" RCP	529 ft	30" RCP	1,371 ft		

The total length of the drain will be 14,097 feet.

The open ditch sections are those areas between structures 500 and 500B and structures 443 and 443B. These are located south of Lots 308, 309 and 323, 324 respectively.

The subsurface drains (SSD) to be part of the regulated drain are those main lines between lots of in rear yards. The SSD under curbs are not to be part of the regulated drain. Only the main SSD lines which are located within the platted easements are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The portion of the SSD which will be regulated are as follows: Rear of Lots 314; 315; 325-328; 343-347; 350-353; 353-358; 359-362; 369-372; 375-378; 379-383; 391-395; 396-400; 401-406; 414; 418-421; 424-429; 430-436; 437-439; 440-445; South line of Common Area 12, Common Area 8.

State of Indiana)
)
County of Hamilton)

TO: HAMILTON COUNTY DRAINAGE BOARD
c/o Hamilton County Surveyor
Courthouse
Noblesville, IN 46060

In the matter of Centennial subdivision, Section
 Three Drain petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Centennial Section 3, 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.

Petitioner believes 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 benefitted thereby. Petitioner believes the proposed improvements will:

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

Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineers estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.
3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain File.

4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioners cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain.


Signed _____

MICHAEL J. KELLER
Printed Name _____

Signed

Printed Name

Recorded Owner(s) of Land Involved

Date _____

HAMILTON COUNTY DRAINAGE BOARD
COURT HOUSE
NOBLESVILLE, IN

In Re: Hamilton County, Indiana

PETITION FOR RELOCATION AND RECONSTRUCTION AND PARTIAL VACATION

CEC Associates, LLC (hereinafter "Petitioner"), hereby petitions the Hamilton County Drainage Board for authority to relocate and improve and vacate various sections of the Osborn-Collins Drain, and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Osborn-Collins Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction and partial vacation of portions of the Osborn-Collins Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the Osborn-Collins Drain, without cost to other property owners on the watershed of the Osborn-Collins Drain.

WHEREFORE, Petitioner requests that an Order issue from the Hamilton County Drainage Board authorizing relocation and reconstruction of the Osborn-Collins Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

Michael Keller
Signed

MICHAEL J. KELLER
Printed Name

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN RE: _____)
Hamilton County, Indiana)

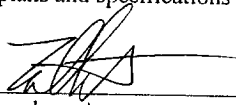
PETITION FOR RELOCATION AND RECONSTRUCTION

CEC Associates, LLC (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the _____ Drain, and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Osborn-Collins Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the Osborn-Collins Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the Osborn-Collins Drain, without cost to other property owners on the watershed of the Osborn-Collins Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC 36-9-27-52.5.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the Osborn-Collins Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.


Signed John W. Tolbert
Printed _____



57

SUBDIVISION IMPROVEMENTS PERFORMANCE BOND

Bond No. 885956S

KNOW ALL MEN BY THESE PRESENTS:

That we, Estridge Development Company, Inc., as Principal, and Developers Surety and Indemnity Company, a Corporation organized and doing business under and by virtue of the laws of the State of Iowa and duly licensed to conduct a general surety business in the State of IN, as Surety, are held and firmly bound unto Hamilton County Board of Commissioners as Obligee in the sum of Twenty One Thousand Five Hundred and No/100 Dollars (\$ 21,500.00) Dollars for which payment, well and truly to be made, we bind ourselves, our heirs, executors and successors, jointly and severally firmly by these presents.

Whereas, Principal is the owner and developer of real property described as Centennial Section 3

Whereas, Principal, has, as a condition to approval of the plat for the real property, agreed to construct certain land improvements, consisting of Erosion Control, as specified in the plans and specifications prepared by _____; and

Whereas, Principal is required to provide security for the faithful performance of such improvements.

NOW THEREFORE, the condition of this obligation is such that so long as Principal shall well and truly perform the conditions for plat approval, and delivers them, in good and workmanlike condition, within the time specified in such conditions, or any extension thereof, granted by Obligee, with or without notice to Surety, then this obligation shall be void, otherwise to remain in full force and effect, subject further to the following terms and conditions:

1. The obligation of surety shall, in no event, exceed the penal sum hereof.
2. In the event of litigation between Obligee, Surety and Principal, arising out of any breach, or to enforce any right or obligation hereby created, the prevailing party shall be entitled to the recovery of costs and reasonable attorneys fees.
3. This bond shall remain in full force and effect until release by the Obligee, provided further that the penal sum hereof may be reduced upon resolution of Obligee.
4. Neither this bond, nor any right or obligation hereunder may be assigned, conveyed or hypothecated except upon the express, written, consent of Surety and Principal.

WITNESSETH my hand and seal this 1st day of November, 20 00.

Estridge Development Company, Inc.
Principal

BY: [Signature]
Title: President

Developers Surety and Indemnity Company
Surety

BY: [Signature]
Cynthia L. Jenkins
Attorney-in-Fact

3470

SIP0300

ATTEST: _____
HAMILTON COUNTY AUDITOR

BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON

DATE _____

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: CENTENNIAL, SECTION 3

FILED
APR 05 2001
OFFICE OF HAMILTON COUNTY SURVEYOR

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 comformity with all plans and specifications .

Signature: J. Cort Crosby Date: 3/31/01

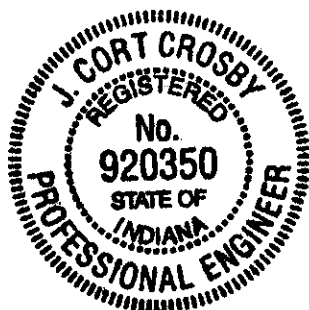
Type or Print Name: J. CORT CROSBY P.E.

Business Address: 8901 OTIS AVE

INDIANAPOLIS, IN 46216-1037

Telephone Number: (317) 826-7306

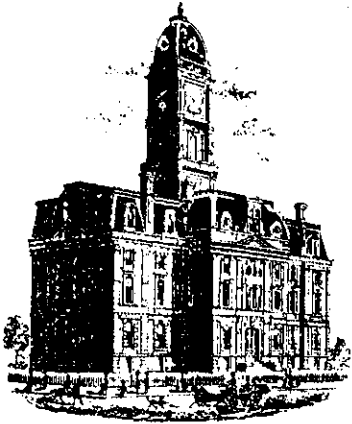
SEAL



INDIANA REGISTRATION NUMBER

920350

Revised 10/95



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
 Phone (317) 776-8495
 Fax (317) 776-9628

Suite 188
 One Hamilton County Square
 Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

June 5, 2003

Re: Centennial Drain: Sec. 3 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Centennial Sec. 3. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated August 14, 2000. The report was approved by the Board at the hearing held September 25, 2000. (See Drainage Board Minutes Book 5, Pages 469-470) The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
497	909.32	906.67				
496	911.61	906.16	12	135	136	-1
496	911.61	906.16				
495	911.54	906.09	12	27.8	28	-0.2
495	911.54	906.09				
494	908.79	905.59	12	141.1	141	0.1
494	908.79	905.59				
476	907.5	903.6	12	380.8	383	-2.2
476	907.5	902.2				
475	906.11	901.61	24	111.3	110	1.3
475	906.11	901.61				
474	906.11	901.51	24	23.8	24	-0.2
474	906.11	901.51				
471	905.93	901.33	24	34.4	33	1.4
471	905.93	901.33				
470	905.93	900.73	30	316.5	316	0.5
470	905.93	900.73				
469	904.1	900.4	30	269.2	270	-0.8
479	907.4	904.95				
478	908.51	904.36	12	135.6	136	-0.4
478	908.51	904.31				

477	908.51	904.21	12	28.5	28	0.5
477	908.51	904.16				
476	907.9	903.1	12	143.5	141	2.5
473A	906.27	903.82				
473	907.33	903.63	12	135.5	135	0.5
473	907.33	903.63				
472	907.16	903.46	12	27.9	28	-0.1
472	907.16	903.46				
471	905.93	902.83	12	143.7	141	2.7
469	904.1	900.4				
468	904.61	900.11	30	113.6	115	-1.4
468	904.61	900.11				
467	904.58	899.74	30	28	28	0
467	904.58	899.74				
454	903.6	899.58	36	158	156	2
454	903.6	899.58				
452	903.49	899.24	36	201	203	-2
452	903.49	899.24				
444	902.62	898.82	36	177.2	176	1.2
444	902.62	898.82				
443		898.56	36	21	20	1
466	905.73	902.43				
465	905.6	902.35	12	33.5	33	0.5
465	905.6	902.35				
469	904.1	900.55	12	140	139	1
463	904.56	901.86				
462	904.56	901.06	12	134.1	135	-0.9
462	904.56	900.97				
461	904.74	900.66	15	27.7	28	-0.3
461	904.74	900.66				
458	903.85	900.45	18	125.8	125	0.8
458	903.85	900.45				
457	905.35	900.2	18	135.3	135	0.3
457	905.35	900.2				
456	905.61	900.11	18	23.9	24	-0.1
456	905.61	900.11				
454	903.6	899.8	18	180.1	180	0.1
455	904.54	901.84				
454	903.6	900.95	12	207.1	206	1.1
453	902.36	900.19				
452	903.49	899.49	12	46	48	-2
451	904.23	901.23				
450	904.18	900.98	12	23.9	24	-0.1
450	904.18	900.98				
449	902.99	900.34	12	77.1	77	0.1
449	902.99	900.34				
448	902.4	899.75	12	180.9	184	-3.1
448	902.4	899.75				

447	903.25	899.71	15	25	23	2
447	903.25	899.71				
446	903.48	899.43	15	23.7	24	-0.3
446	903.48	899.43				
445	902.84	899.21	18	138.9	133	5.9
445	902.84	899.21				
444	902.62	898.82	18	64.4	63	1.4
506	907.53	902.93				
504	905.07	902.42	12	113	110	3
504	905.07	902.42				
503	905.05	902.05	12	27.8	28	-0.2
503	905.05	902.05				
502	903.96	899.51	12	148.8	148	0.8
505	908.18	903.18				
504	905.07	902.42	12	98	100	-2
442	902.42	899.42				
441	902.5	899.33	12	24	24	0
441	902.5	899.33				
441A	903.98	898.83	15	49	48	1
441A	903.98	898.83				
440		898.51	15	118.6	122	-3.4
522	905.69	903.04				
521	907.33	902.18	12	19.3	17	2.3
518	905.21	901.86				
517	906.52	901.57	12	57.9	55	2.9
524	906.38	903.43				
523	906.48	902.92	12	24	24	0
523	906.48	902.92				
521	907.33	902.38	15	133.9	135	-1.1
521	907.33	902.18				
520	906.39	901.94	18	143.5	143	0.5
520	906.39	901.94				
519	906.43	901.9	18	24	24	0
519	906.43	901.9				
517	906.52	901.57	18	97.6	99	-1.4
517	906.52	901.47				
516	906.18	901.33	18	12.5	16	-3.5
516	906.18	901.33				
515	906.11	901.06	18	23.9	24	-0.1
515	906.11	901.06				
514	904.09	900.89	24	143.4	143	0.6
514	904.09	900.89				
513	904.25	900.63	24	140.8	141	-0.2
513	904.25	900.63				
512	904.33	900.53	24	27.9	28	-0.1
512	904.33	900.53				
511	904.98	900.38	24	39.5	41	-1.5
511	904.98	900.38				

510	903.91	900.21	24	95.1		92	3.1
540	908.985	905.85					
539	908.93	905.23	12	24		24	0
539	908.93	905.23					
538	907.83	905.13	12	23.4		23	0.4
541	901.98						
538	907.83	901.78	24	122		123	-1
538	907.83	901.78					
537	909.86	901.56	24	122		123	-1
537	909.86	909.56					
536	910.06	901.41	24	24		24	0
536	910.06	901.41					
535	907.71	901.28	24	123	123.6	123.6	-0.6
535	907.71	901.28					
534	907.79	901.14	24	122.2		123	-0.8
534	907.79	901.14					
533	907.84	901.09	24	24		0	
533	907.84	901.09					
530	905.7	900.9	24	143.1		143	0.9
530	905.7	900.9					
529	905.26	900.81	24	141.3		141	0.3
529	905.26	900.81					
528	905.28	900.78	24	28.1		28	0.1
528	905.28	900.78					
527	909.63	900.7	24	62.8		63	-0.2
527	909.63	900.7					
526	904.35	900.54	24	88.6		87	1.6
526	904.35	900.54					
525	904.35	900.35	24	28.1		28	0.1
525	904.35	900.35					
510	903.91	900.11	24	159.7		158	-0.3
532	907.25	903.5					
531	907.34	903.14	12	24.1		24	0.1
531	907.34	903.14					
530	905.1	902.7	12	22.8		23	-0.2
565		903.8					
564	908.38	903.98	24	17.5		20	-2.5
564	908.38	903.98					
563	908.53	903.83	24	24.2		24	0.2
563	908.53	903.83					
561	907.19	903.59	24	131.6		132	-0.4
561	907.19	903.49					
560	907.24	903.39	24	24.1		24	0.1
560	907.24	903.39					
559	907.59	903.16	24	133.7		131	2.7
559	907.59	903.24					
558	908.05	902.95	36	156.1		156	0.1
558	908.05	902.95					

557	907.85	902.9	36	28.4	28	0.4
557	907.85	902.9				
551		902.7	36	114.4	112	2.4
562	906.93	904.23				
561	907.19	903.59	12	40.9	41	-0.1
510	903.91	900.01				
509	904.37	899.88	30	249	249	0
509	904.37	899.88				
508	903.86	899.69	30	127.8	128	-0.2
508	903.86	899.69				
507	903.85	899.62	30	24.1	24	0.1
507	903.85	899.62				
502	903.96	899.51	30	59.6	60	-0.4
502	903.96	899.51				
501	902.57	899.31	30	161.3	161	0.7
501	902.57	899.31				
500		899.07	30	18.6	20	-1.4
500B		897.96				
500A		897.85	12	25	25	0
443B		898.08				
443A		897.68	12	25.1	25	0.1
526A	907.11	904.31				
526	904.35	900.55	12	109.2	110	-0.8
555	907.75	905				
554	908.77	904.77	12	86.6	83	3.6
556	908.23	905.43				
554	908.77	904.77	12	96.9	100	-3.1
554	908.77	904.77				
553	908.34	904.64	12	48	49	-1
553	908.34	904.64				
552	908.42	904.37	12	28.5	28	0.5
552	908.42	904.37				
551		903.43	12	145.2	146	-0.8

RCP Pipe Totals:

12	3354.5
15	377.9
18	969.9
24	2136.2
30	1367.7
36	856.1

Other Drain:	
Open Ditch	195

The length of the drain due to the changes described above is now **9257 feet**.

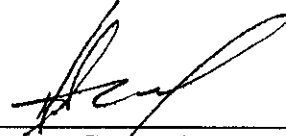
Note: The sub-surface drain under the curb is no longer considered a part of the regulated drain. This decision was made in the Hamilton County Commissioners' meeting and recorded in the minutes for March 8, 1999

The non-enforcement was approved by the Board at its meeting on September 25, 2000 and recorded under instrument #2001_00002889.

The bond or letter of credit from Frontier Insurance Co, number 885649A, 885956S; dated June 29, 2000, November 1, 2000; in the amount of \$432,306 and \$21,500; was released April 23, 2001 and October 8, 2001.

I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

- SEC. 15-T18N-R3E -

CENTENNIAL SECTION 3

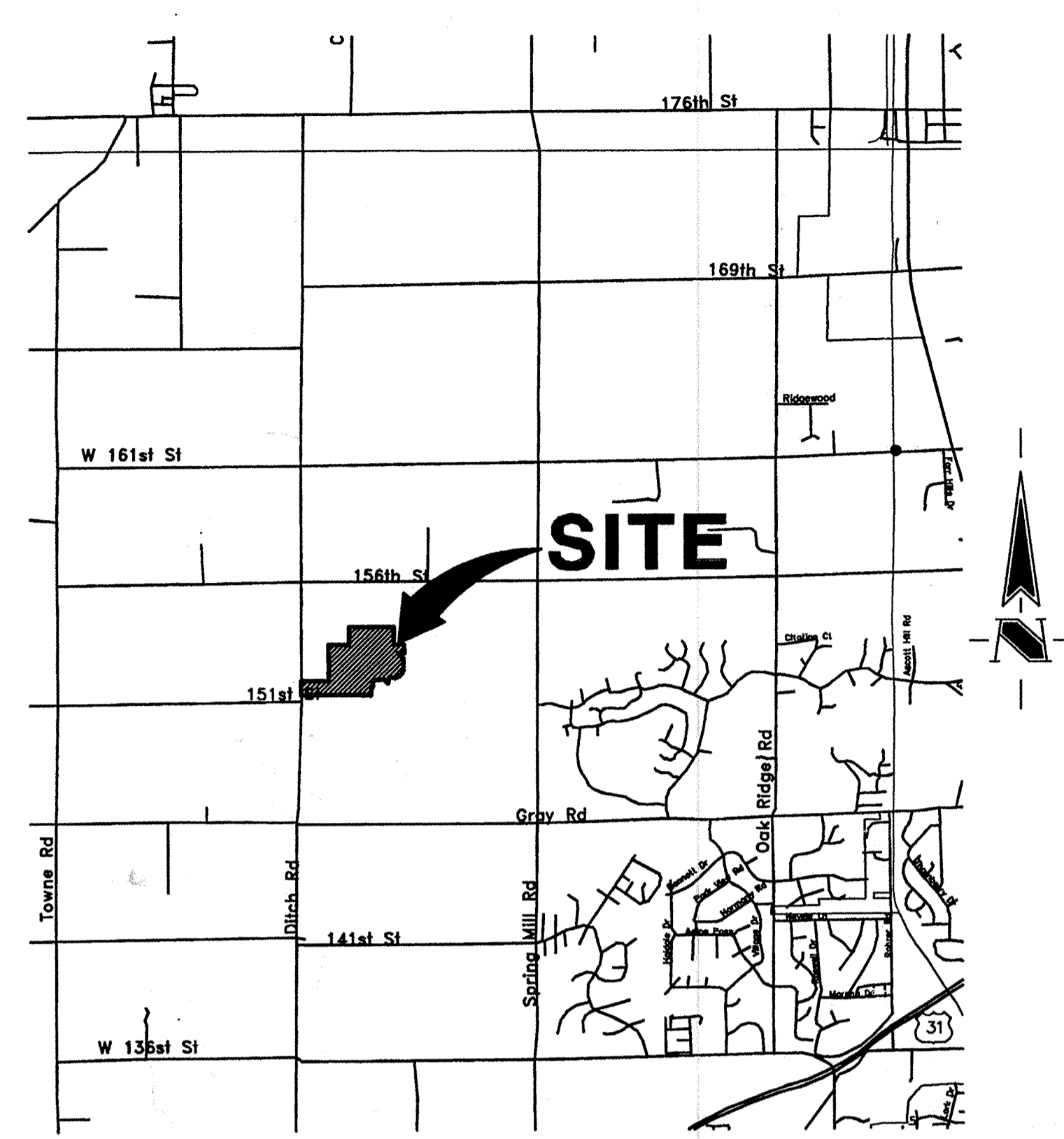
(CONSTRUCTION PLANS)

HAMILTON COUNTY WESTFIELD, INDIANA

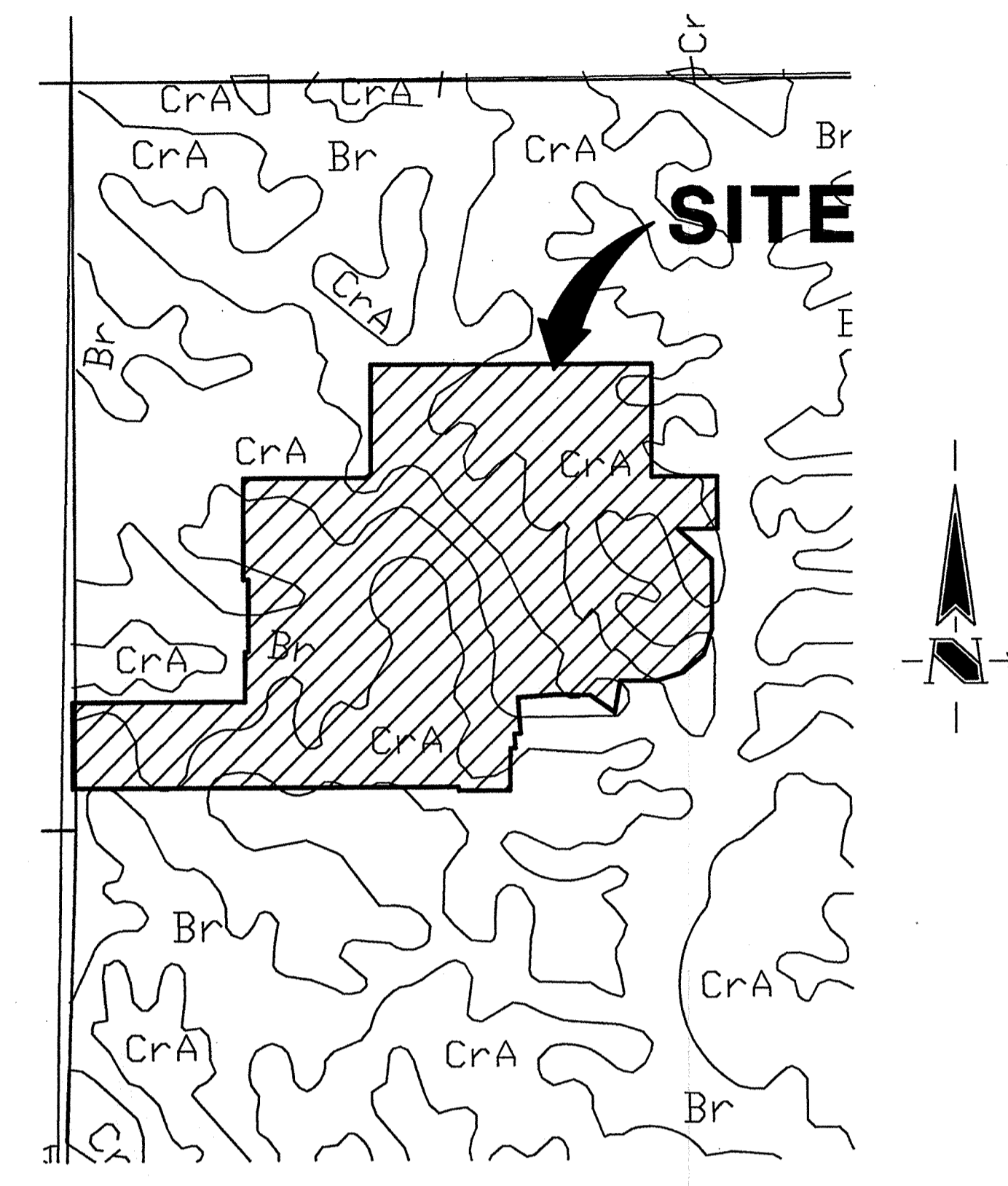
DEVELOPER:

ESTRIDGE DEVELOPMENT CO., INC.

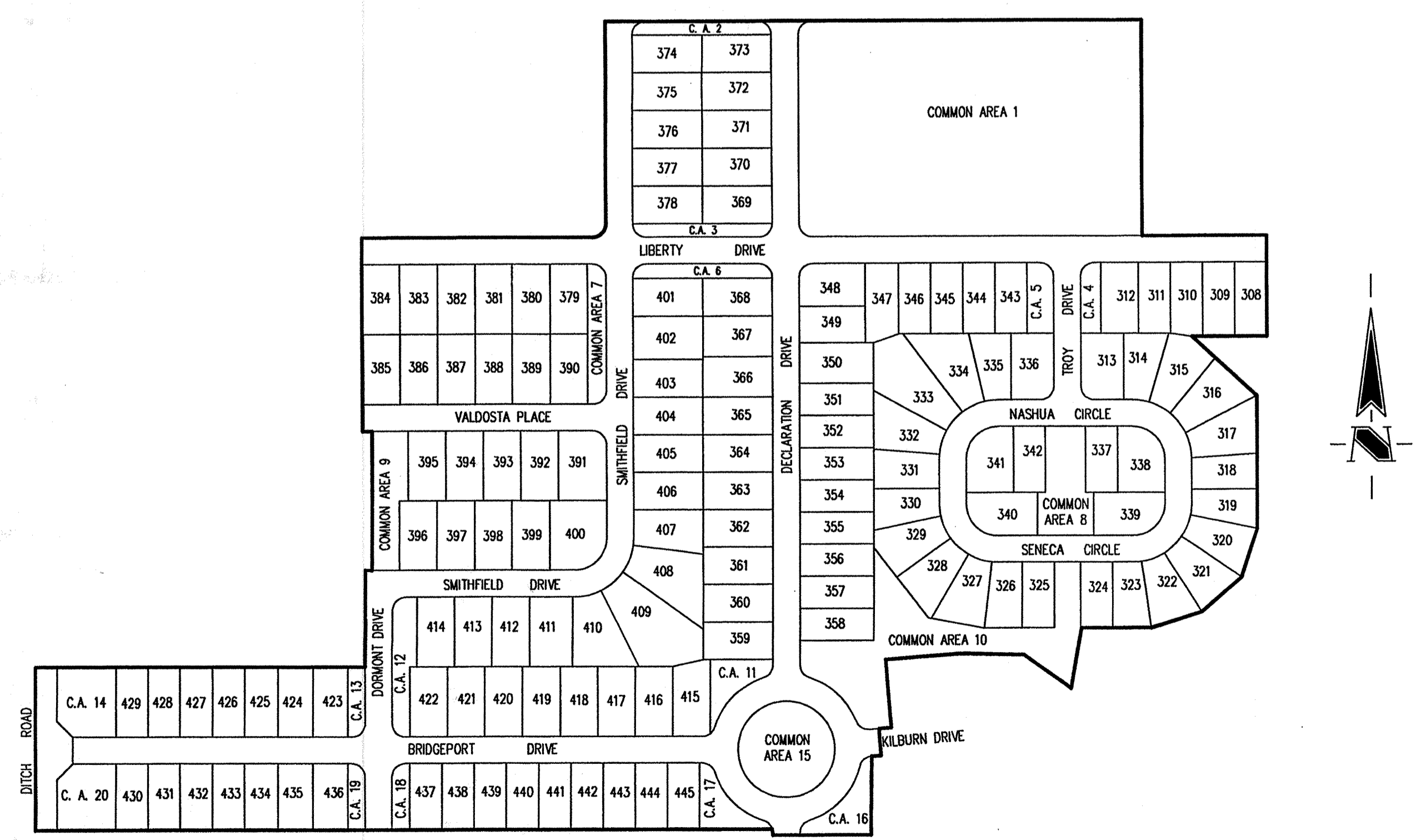
1041 WEST MAIN STREET
CARMEL, INDIANA 46032
(317) 582-2456



AREA MAP
SCALE: 1"=3000'



SOILS MAP
SCALE: 1"=500'



SITE MAP
SCALE: 1"=200'

INDEX	
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C106-C109	EROSION CONTROL PLAN
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C301	ENTRANCE PLAN
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C701-C703	WATER DISTRIBUTION PLAN
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C901	SPECIFICATIONS

* 25 MPH DESIGN SPEED PER HAMILTON CO. H.W. DEPT.



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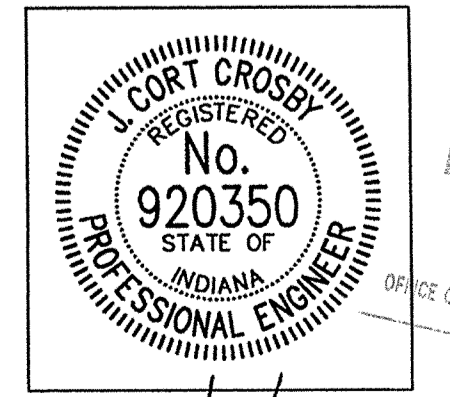
J. Cort Crosby
CERTIFIED BY: J. CORT CROSBY, P.E.
E-MAIL ADDRESS: crosby@theschneidercorp.com

DATE:	BY:	DESCRIPTION:
07/03/00	DRP	C100, C101, C506-C608, C802.
08/11/00	PRC	SHEETS NOT REVISED: C103, C108, C110, C204, C303, C305, C406-C408, C704, C801-C804, C901.
10/18/00	PRC	C100 & C901.
10/31/00	PRC	C100-C104, C106, C201-C207 & C601-C608.
11/09/00	PRC	C100, C104 & C301.
03/23/01	DRP	C100, C101-C104, C601-C608.

PROJECT ENGINEER: _____
CHECKED BY: _____ DATE CHECKED: _____

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DATE: 3/31/01

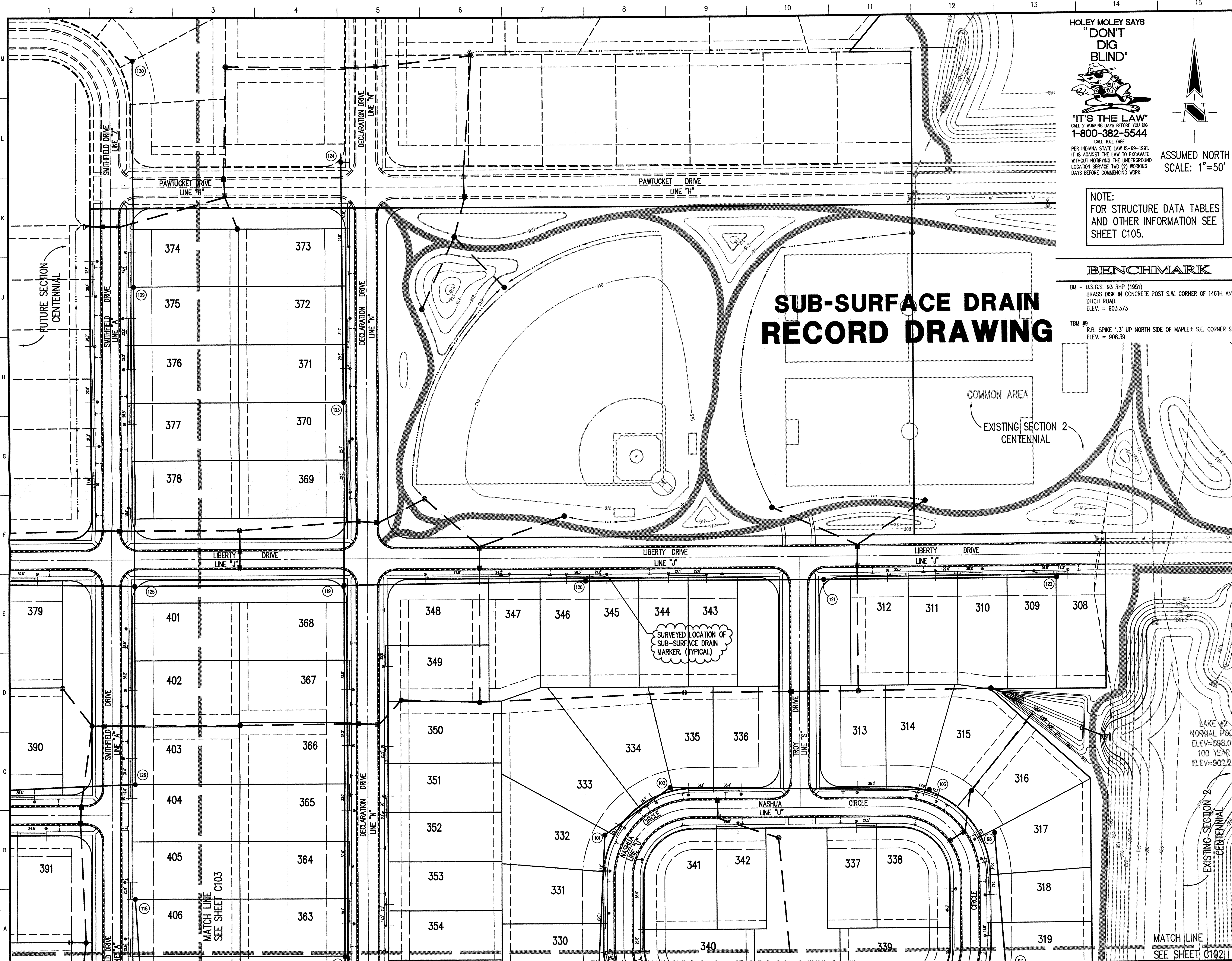
FILED
APR 05 2001

SHEET
C100
OF
49

JOB No. (753.003)

FILE NAME: J:\753\003\DWGS\C100

**STORM SEWER
SUB-SURFACE DRAIN
RECORD DRAWINGS**



HOLEY MOLEY SAYS
"DON'T DIG BLIND"

"IT'S THE LAW"
 CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
 CALL TOLL FREE
 PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

ASSUMED NORTH
 SCALE: 1"=50'

NOTE:
 FOR STRUCTURE DATA TABLES AND OTHER INFORMATION SEE SHEET C105.

BENCHMARK

BM - U.S.G.S. 93 RHP (1951)
 BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND DITCH ROAD.
 ELEV. = 903.373
 TBM #9
 R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE± S.E. CORNER SITE.
 ELEV. = 908.39

SUB-SURFACE DRAIN RECORD DRAWING

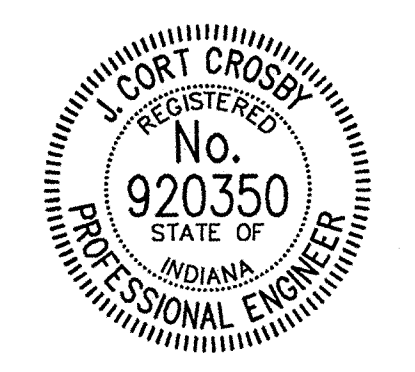
GENERAL NOTES

- ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
- IT SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO HIS PHASE OF WORK. IT SHALL ALSO BE THE SUBCONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION OF EACH UTILITY BEFORE WORK IS STARTED. THE SUBCONTRACTOR SHALL NOTIFY IN WRITING THE OWNER AND THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
- STANDARD SPECIFICATIONS FOR THE HAMILTON WESTERN UTILITIES SHALL APPLY FOR ALL SANITARY SEWERS.
- ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
- THE SIZE AND LOCATION OF EXISTING UTILITIES SHOWN ARE PER INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. ALL UTILITY COMPANIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION FOR FIELD LOCATION OF SERVICES.
- SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4' IN WIDTH.
- 4' CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
- EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTION AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS. CONTRACTION JOINTS AND PERPENDICULAR SIDEWALKS AT 5' INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 20' OR LESS.
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
- ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.
- ALL REAR YARD SUBSURFACE DRAINS ARE TO BE 6" MINIMUM, EXCEPT FOR INDIVIDUAL LOT CONNECTIONS WHICH ARE TO BE 4" MINIMUM.

- Revisions
- DRP 07/3/00 ADDED EXISTING 4" & 7" DRAIN TIE LOCATIONS, ADDED RIP-RAP AT STORM STR. 251.
 - PRC 08/11/00 REV LAYOUT IN LOOP AREA, LOT & STREET GRADING, ADJUSTED STORM SEWERS, SDDS & WATER.
 - PRC 10/31/00 REMOVED REAR YARD SDDS, ADDED TEES AT FRONT OF LOTS & ADJUSTED SIDE YARD SENS. ON LOT 312.
 - DRP 03/23/01 STORM SEWER & SUB-SURFACE RECORD DRAWING.
 - DRP 03/23/01 SUB-SURFACE DRAIN RECORD DRAWING.

CERTIFICATION FOR "RECORD DRAWING"

NOTE:
 Record drawing certification for sub-surface drain marker location only.

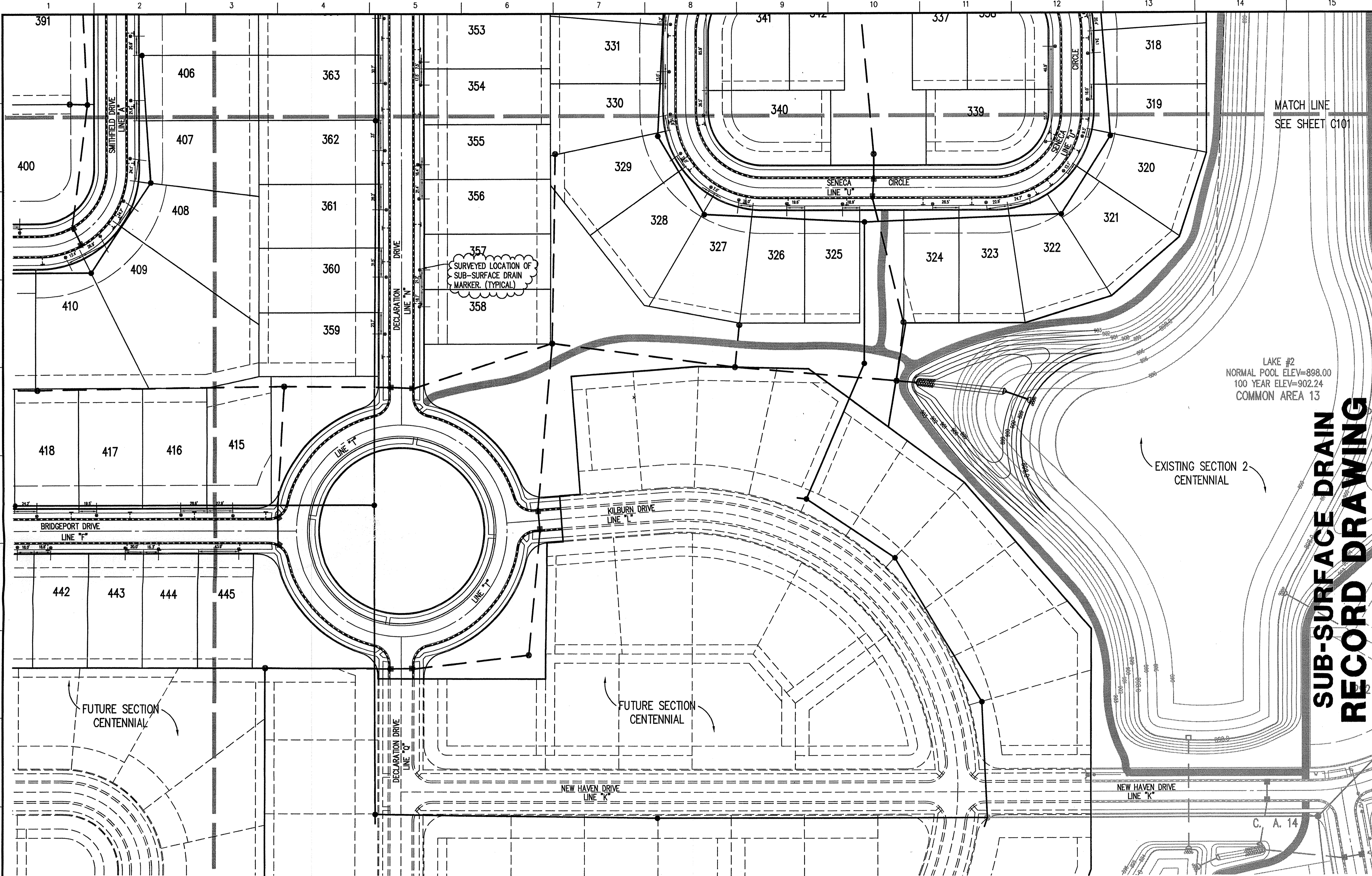


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CENTENNIAL SECTION #3 5 2001
 WESTFIELD, INDIANA HAMILTON COUNTY SURVEYOR

DEVELOPMENT PLAN SUB-SURFACE DRAIN LOCATIONS			
Date	Project No.	Drawn	Approved
04/12/00	753.003	PRC	
Computer Files	Sheet No.		
J:\753\003\DWG\3\C101XSPD XREF: 003B5 XREF: J:\753\002\DWG\3\002B5 XREF: J:\753\005\DWG\3\005B5	C101		



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- SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4' IN WIDTH.
- CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
- EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTION AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS. CONTRACTION JOINTS AND PERPENDICULAR SIDEWALKS AT 5' INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 20' OR LESS.
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- CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.
- ALL REAR YARD SUBSURFACE DRAINS ARE TO BE 6" MINIMUM, EXCEPT FOR INDIVIDUAL LOT CONNECTIONS WHICH ARE TO BE 4" MINIMUM.

Revisions
 1. DRP 07/15/00 ADDED EXISTING 4" & 7" DRAIN TILE LOCATIONS.
 2. PRG 06/11/00 REV. LAYOUT IN LOOP AREA, LOT & STREET GRADING, ADJUSTED STORM SEWERS, SSDS & WATER.
 3. PRG 10/31/00 REMOVED REAR YARD SSDS & ADDED SSDS TEES AT FRONT OF LOTS.
 4. DRP 03/23/01 SUB-SURFACE DRAIN RECORD DRAWING.

CERTIFICATION FOR "RECORD DRAWING"
 NOTE:
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CERTIFIED BY: *[Signature]* 3/31/01

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FILED
 APR 05 2001
 WESTFIELD, INDIANA

**DEVELOPMENT PLAN
 SUB-SURFACE DRAIN LOCATIONS**

Date	Project No.	Drawn	Apprv.
04/12/00	753.003	PRC	

Computer Files
 J:\753\003\DWGS\C102XSRD
 XREF: 003B5
 XREF: J:\753\002\DWGS\002B5
 XREF: J:\753\004\DWGS\004B5

Sheet No.
C102

MATCH LINE
 SEE SHEET C104

LEGEND

	Existing Storm Sewer		Denotes Elevation and Approximate Pad Size
	New Storm Sewer	000.0	
	Existing Sanitary Sewer	000.0	Denotes Elevation and No Pad To Be Built
	New Sanitary Sewer	NO PAD	
	Existing Contour	NO PAD FFE=000.0 WALKOUT	Denotes FFE and Walkout With No Pad To Be Built
	New Pavement Grade	MFFC=000.0	Denotes Minimum Flood Protection Grade
	All Other Finish Grades		
	Storm Structure Number		Flood Routing
	Sanitary Structure Number		6" S.S.D. With 2' Deep Riser And 4" Lot Lateral
	Flow Arrow		

NOTE:
 FOR STRUCTURE DATA TABLES AND OTHER INFORMATION SEE SHEET C105.

BENCHMARK

BM - U.S.G.S. 93 RHP (1951)
 BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND DITCH ROAD.
 ELEV. = 903.373

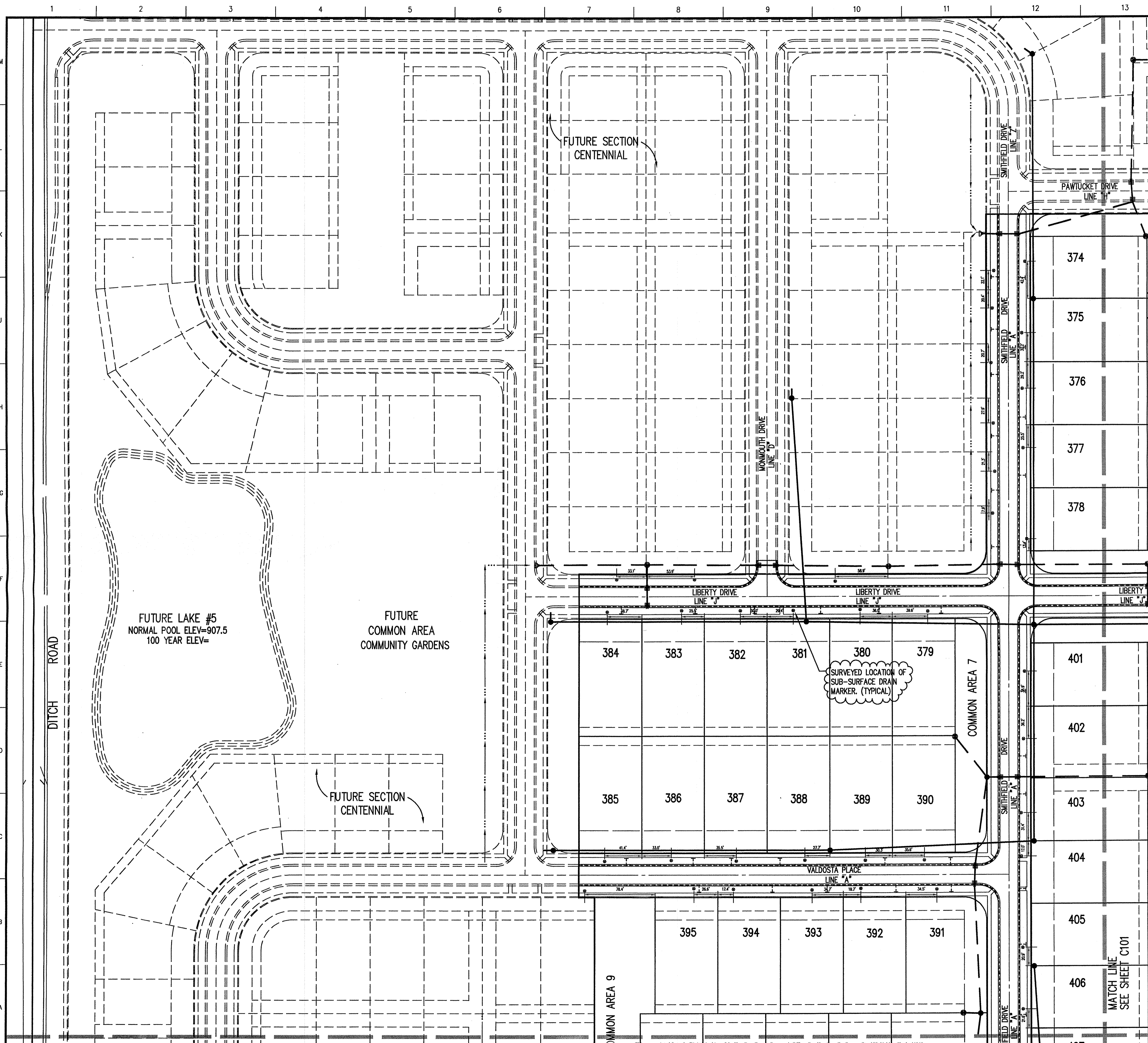
TBM #9
 R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE± S.E. CORNER SITE.
 ELEV. = 908.39

HOLEY MOLEY SAYS
"DON'T DIG BLIND"

"IT'S THE LAW"
 CALL 2 WORKING DAYS BEFORE YOU DIG
 1-800-382-5544
 CALL TOLL FREE

PER INDIANA STATE LAW IS-68-1981
 IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

ASSUMED NORTH SCALE: 1"=50'



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 TBM #9
 R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE S.E. CORNER SITE.
 ELEV. = 908.39

LEGEND

	Existing Storm Sewer
	New Storm Sewer
	Existing Sanitary Sewer
	New Sanitary Sewer
	Existing Contour
	New Pavement Grade
	All Other Finish Grades
	Storm Structure Number
	Sanitary Structure Number
	Flow Arrow
	Denotes Elevation and Approximate Pad Size
	Denotes Elevation and No Pad To Be Built
	Denotes FFE and Walkout With No Pad To Be Built
	Denotes Minimum Flood Protection Grade
	Flood Routing
	6" S.S.D. With 2' Deep Riser And 4" Lot Lateral

MATCH LINE SEE SHEET C104

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Revisions
 1. DRP 07/03/00 ADDED EXISTING 4" & 7" DRAIN TILE LOCATIONS.
 2. PRC 10/31/00 REMOVED REAR YARD S.S.D. & ADDED S.S.D. TEES AT FRONT OF LOTS.
 3. DRP 03/23/01 SUB-SURFACE DRAIN RECORD DRAWING.

CERTIFICATION FOR "RECORD DRAWING"
 NOTE:
 Record drawing certification for sub-surface drain marker location only.

CERTIFIED BY
 3/31/01
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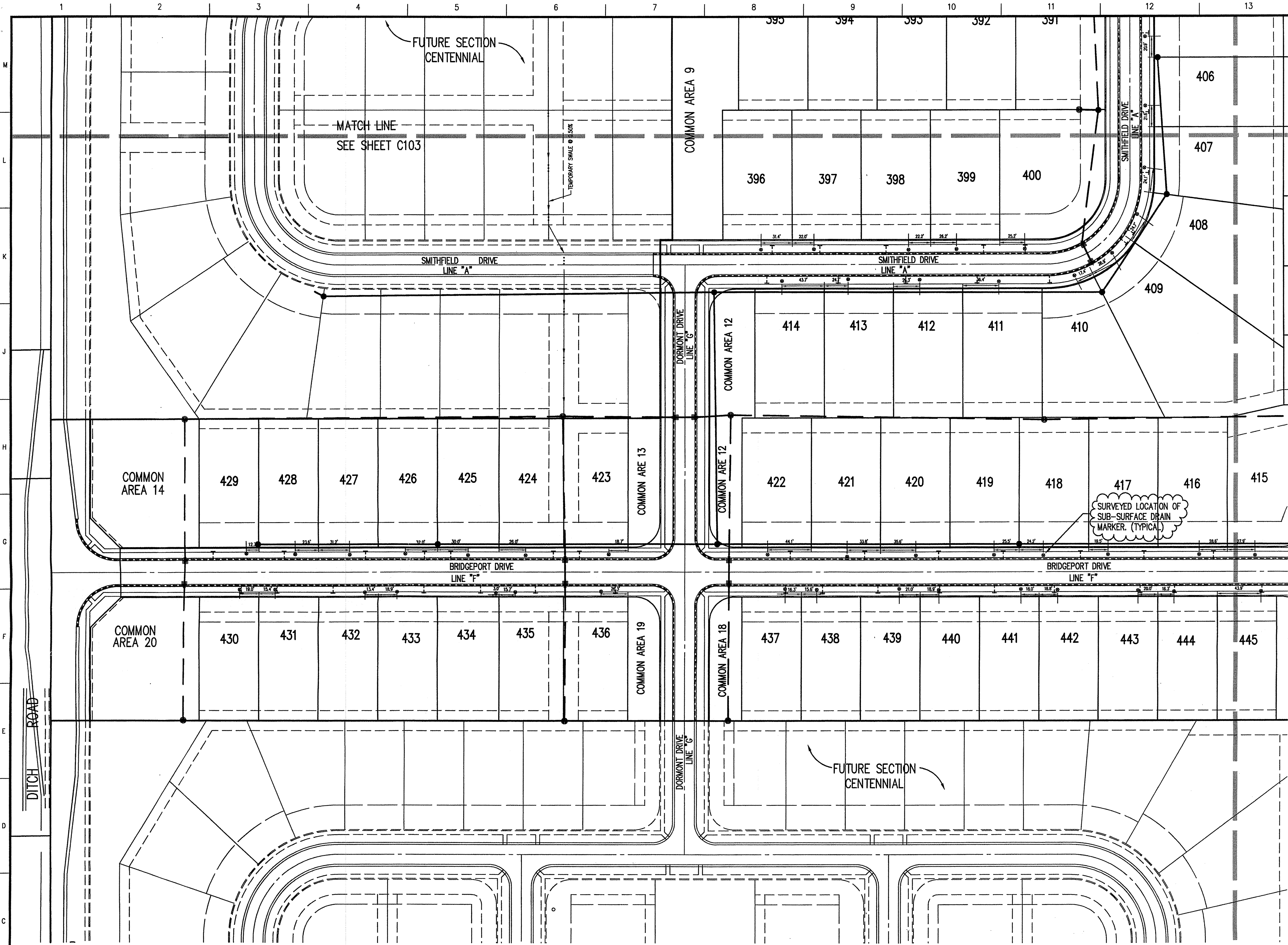
ESTRIDGE DEVELOPMENT CO., INC.
CENTENNIAL SECTION 3
 WESTFIELD, INDIANA

**DEVELOPMENT PLAN
 SUB-SURFACE DRAIN LOCATIONS**

Date	Project No.	Drawn	Apprv.
04/12/00	753.003	PRC	

Computer Files
 753\003\DWG\C103XSRD
 XREF: 003S
 XREF: 753\002\DWG\002S
 XREF: 753\004\DWG\004S
 XREF: 753\005\DWG\005S

Sheet No.
C103



HOLEY MOLEY SAYS
"DON'T DIG BLIND"

"IT'S THE LAW"
 CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
 CALL TOLL FREE

PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

ASSUMED NORTH
 SCALE: 1"=50'

NOTE:
 FOR STRUCTURE DATA TABLES AND OTHER INFORMATION SEE SHEET C105.

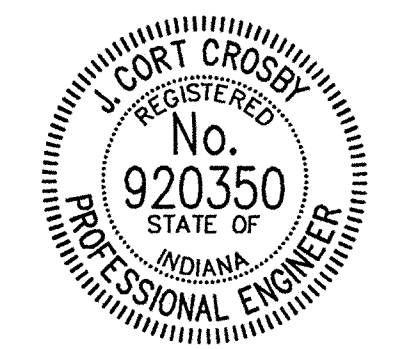
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- Revisions
- DRP 07/03/00 ADDED EXISTING 4" & 7" DRAIN TILE LOCATIONS.
 - PRC 08/11/00 REV. EXTENDED LOTS SOUTH OF BRIDGEPORT DRIVE, STORM, SDDS, WATER & STREET.
 - PRC 10/31/00 REMOVED REAR YARD SDDS & ADDED SDDS TEES AT FRONT OF LOTS.
 - PRC 11/09/00 ADDED DITCH ROAD WIDENING & SHOULDER, ADDED CORNER CUTS FOR R.O.W. AT DITCH & 2' NON-ACCESS EASE. IN COMMON AREA AT ENT.
 - DRP 03/23/01 SUB-SURFACE DRAIN RECORD DRAWING.

CERTIFICATION FOR "RECORD DRAWING"

NOTE:
 Record drawing certification for sub-surface drain marker location only.



CERTIFIED BY *[Signature]*
 3/31/01

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ESTRIDGE DEVELOPMENT CO., INC.
CENTENNIAL SECTION 3
 WESTFIELD, INDIANA

**DEVELOPMENT PLAN
 SUBSURFACE DRAIN LOCATIONS**

Date 04/12/00	Project No. 753.003	Drawn PRC	Approv.
Computer Files J:\753\003\DWG\C104XSRD XREF: 003B5 XREF: J:\753\002\DWG\C02B5 XREF: J:\753\004\DWG\C04B5	Sheet No. C104		

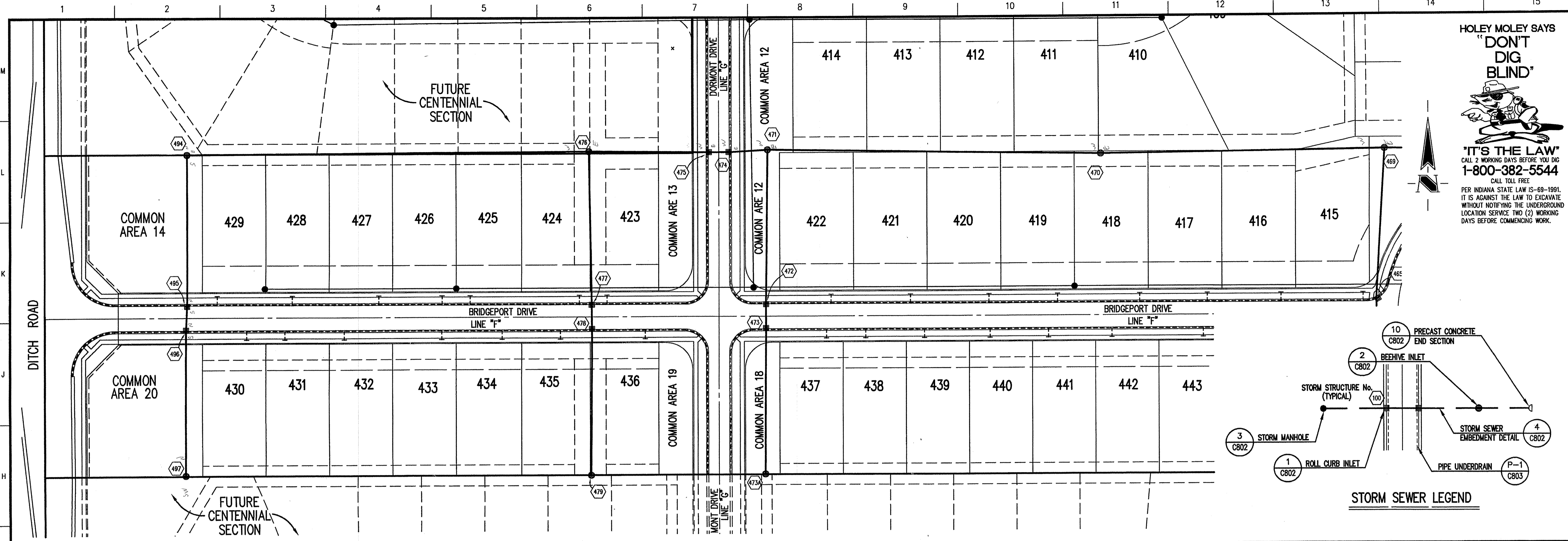
LEGEND

	Existing Storm Sewer		Denotes Elevation and Approximate Pad Size
	New Storm Sewer	000.0	
	Existing Sanitary Sewer	000.0	Denotes Elevation and No Pad To Be Built
	New Sanitary Sewer	NO PAD	
	Existing Contour	NO PAD FFE=000.0 WALKOUT 000.0	Denotes FFE and Walkout With No Pad To Be Built
	New Pavement Grade	MFFPG=000.0	Denotes Minimum Flood Protection Grade
	All Other Finish Grades		
	Storm Structure Number		Flood Routing
	Sanitary Structure Number		6" S.S.D. With 2" Deep Riser And 4" Lot Lateral
	Flow Arrow		

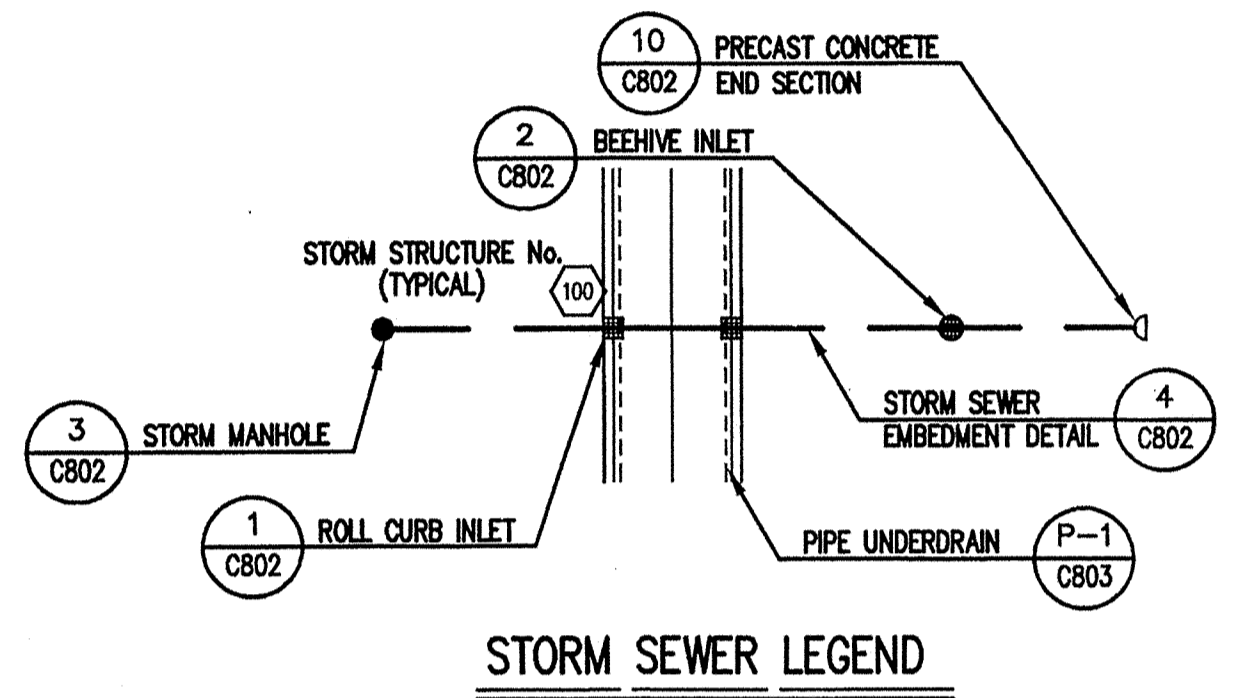
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LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.



GENERAL NOTES

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- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
- CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.

BENCHMARK

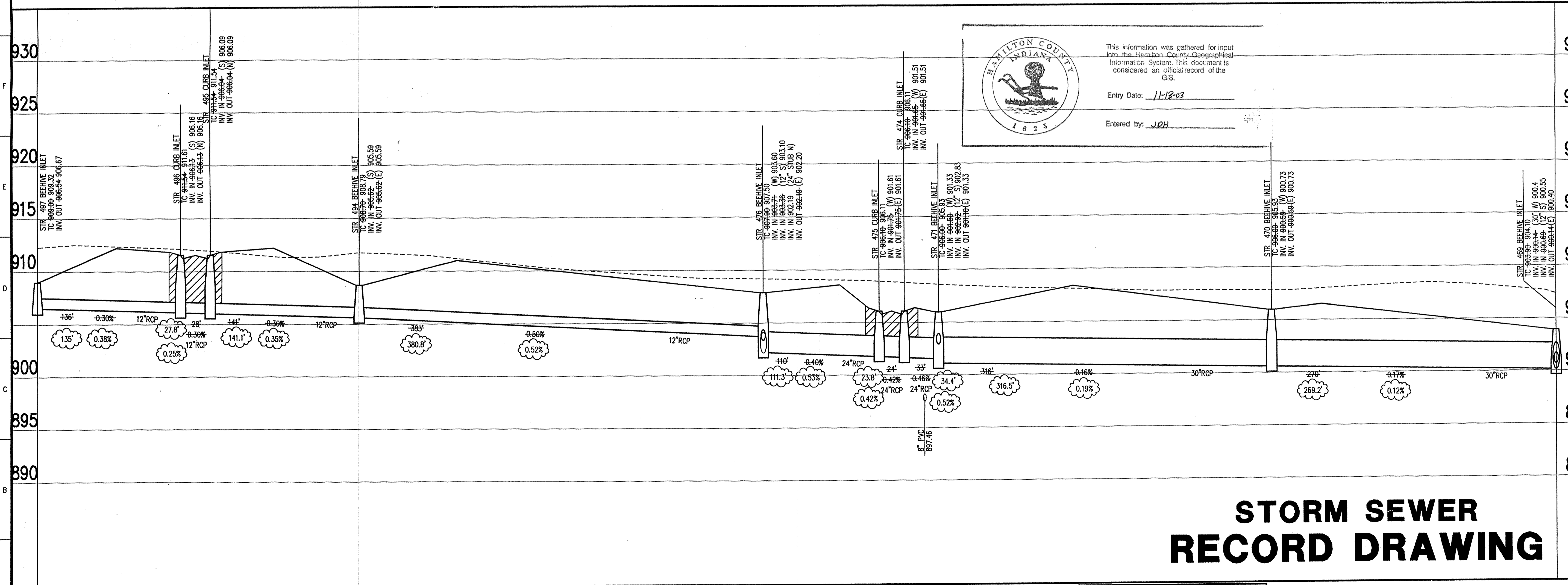
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ELEV. = 903.373

TBM #9
R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE S.E. CORNER SITE.
ELEV. = 908.39

Revisions
#6 08/11/00 REVISIONS PER LOT LAYOUT REQUESTED BY CLIENT.
#2 PRC 10/31/00 REMOVED REAR YARD SSDS & ADDED SSDS TEES AT FRONT OF LOTS.
#3 DRP 03/23/01 STORM SEWER RECORD DRAWING.

STORM SEWER PLAN

SCALE: 1"=50'



HAMILTON COUNTY INDIANA

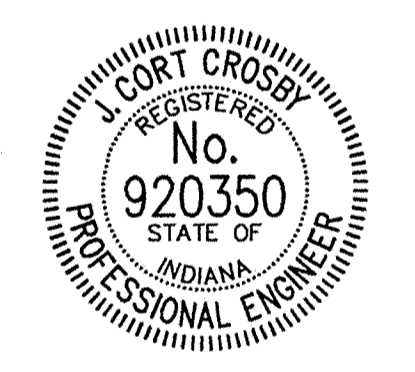
This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 11-12-03

Entered by: JDB

CERTIFICATION FOR "RECORD DRAWING"

NOTE:
Record drawing certification for top of casing, invert elevations, and lengths of pipe only. Slope percentage represents a calculated figure and is for general information only.



CERTIFIED BY: *[Signature]*
3/21/01

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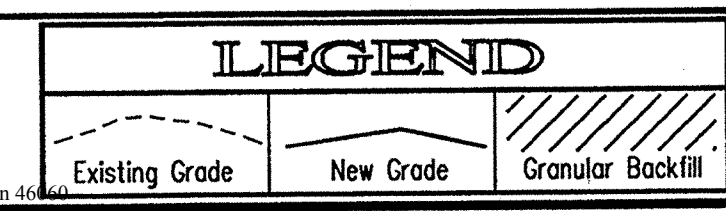
ESTRIDGE DEVELOPMENT CO., INC.
CENTENNIAL SECTION 8³ 2001
WESTFIELD, INDIANA (HAMILTON COUNTY SURVEYOR)

STORM SEWER RECORD DRAWING

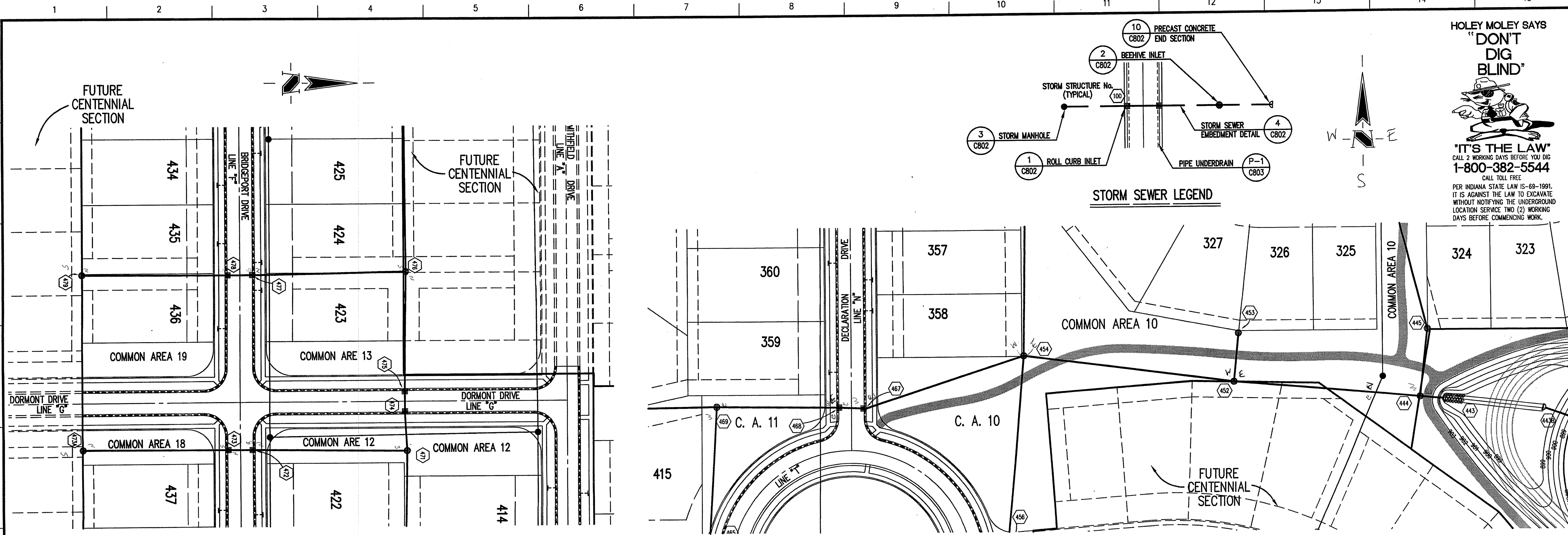
Date	Project No.	Drawn	Approv.
04/12/00	753.003	DRP	

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A:\753\003\DWG\C601 XREF: STORM XREF: 003B5 XREF: A:\753\002\DWG\002B5 XREF: A:\753\004\DWG\004B5	C601

STORM SEWER PROFILE



SCALE: HORZ.: 1"=50'
VERT.: 1"=5'



GENERAL NOTES

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CALL TOLL FREE

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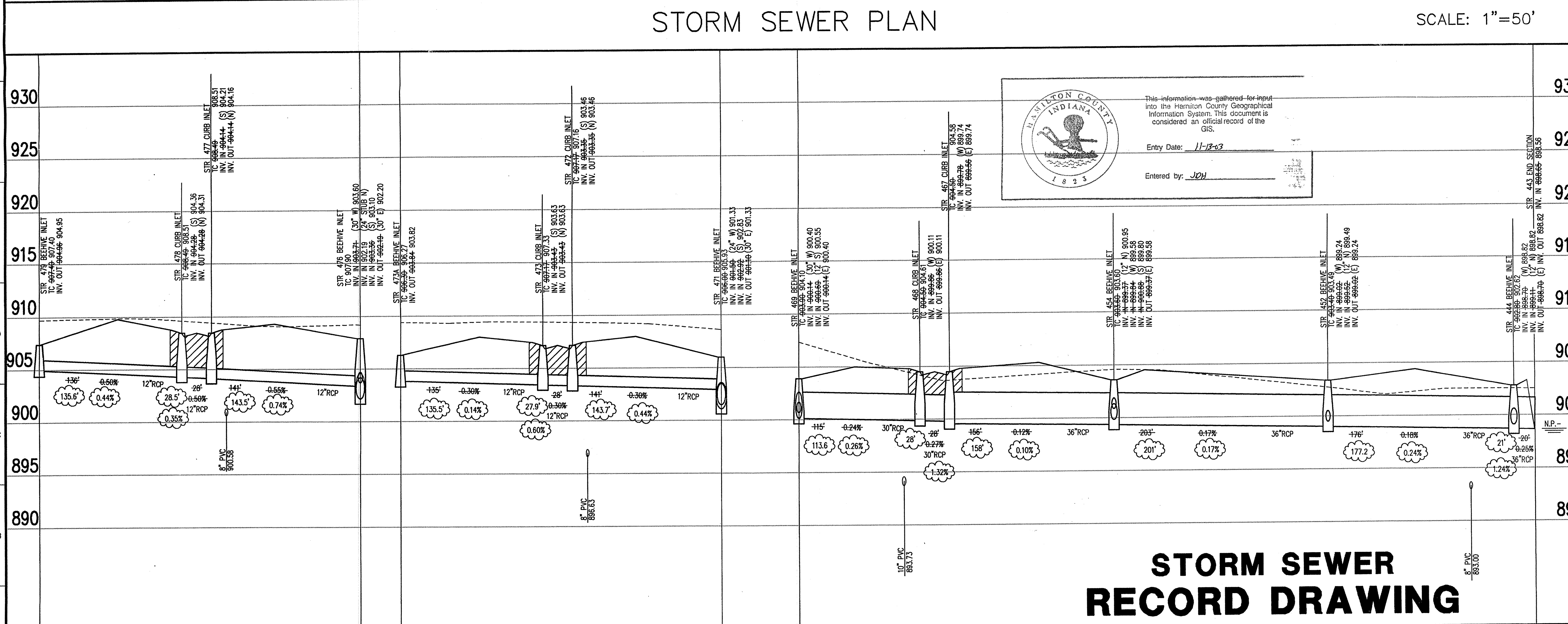
BENCHMARK

BM - U.S.G.S. 93 RHP (1951)
BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND DITCH ROAD.
ELEV. = 903.373

TBM #9
R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE ± S.E. CORNER SITE.
ELEV. = 908.39

Revisions

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- 10/31/00 REMOVED REAR YARD SSDS & ADDED SSDS TEES AT FRONT OF LOTS.
- 03/23/01 STORM SEWER RECORD DRAWING.



HAMILTON COUNTY INDIANA

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Entry Date: 11-18-03

Entered by: JDN

CERTIFICATION FOR "RECORD DRAWING"

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J. COURT CROSBY
REGISTERED
No. 920350
STATE OF INDIANA
PROFESSIONAL ENGINEER

CERTIFIED BY: *[Signature]*
3/31/04

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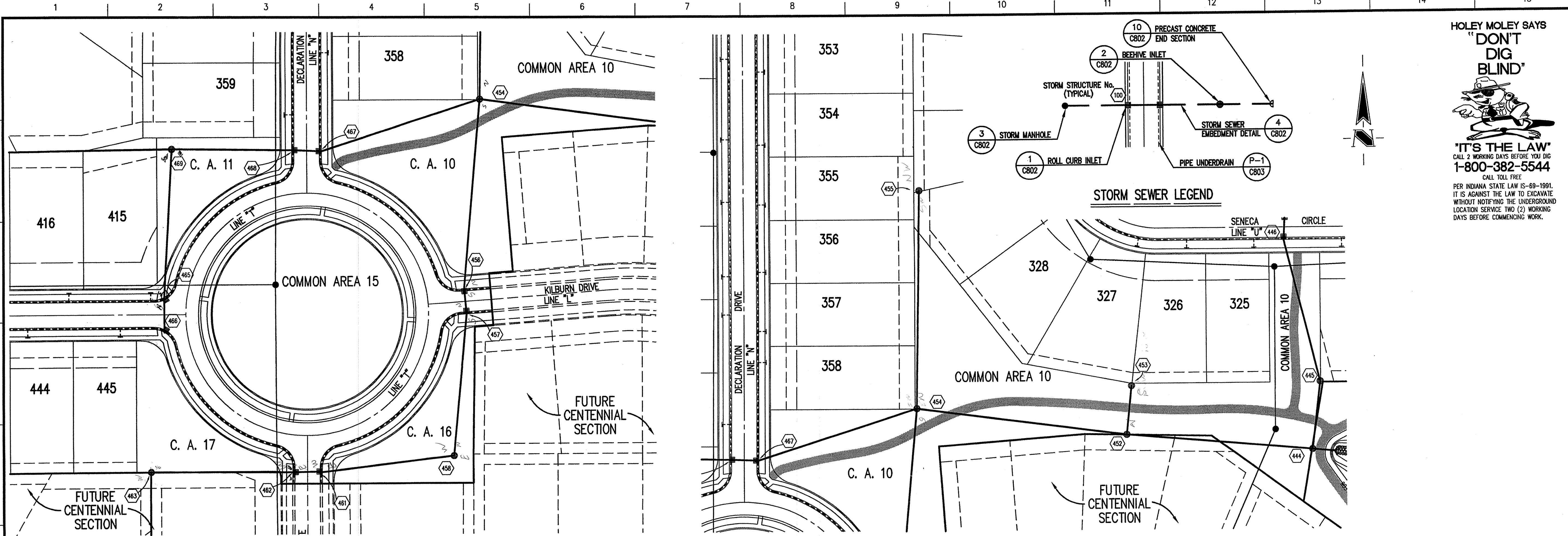
ESTRIDGE DEVELOPMENT CO., INC.
CENTENNIAL SECTION 3
WESTFIELD, INDIANA

STORM SEWER PLAN

Date: 04/12/00 Project No. 753.003 Drawn: DRP Approv.:

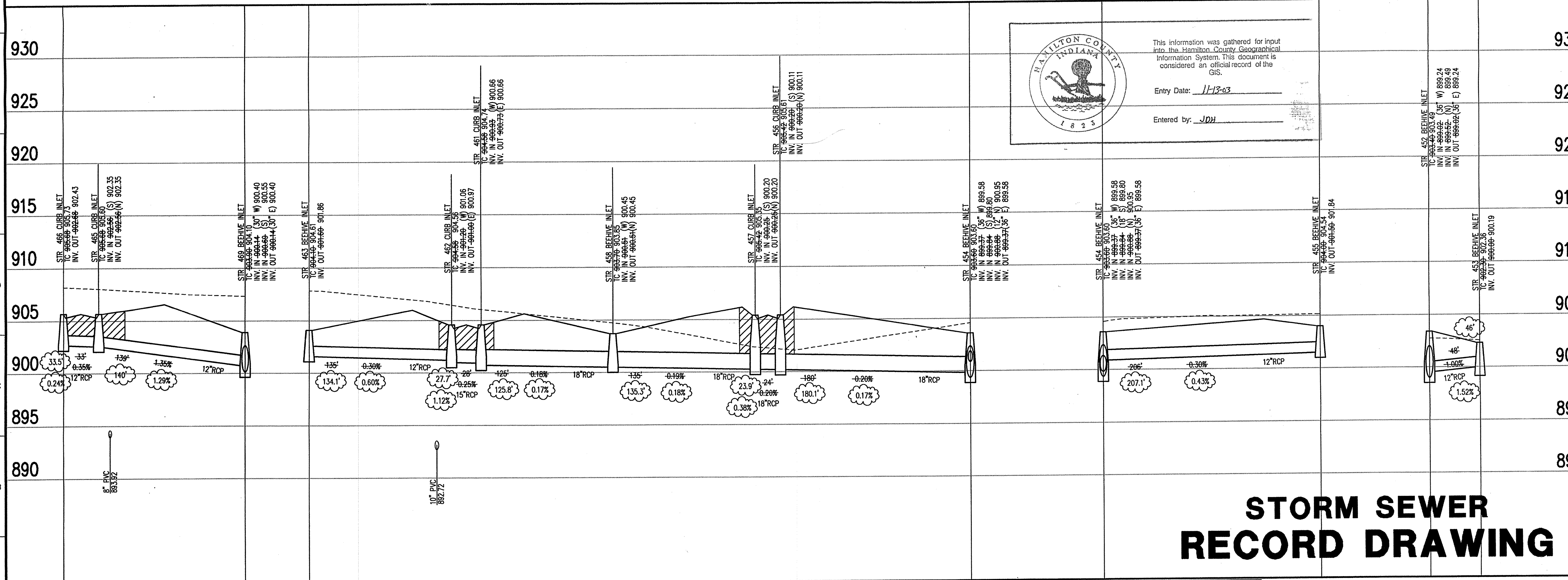
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XREF: STORM
XREF: 003B5
XREF: J:\753\003\DWG\S\002B5
XREF: J:\753\003\DWG\S\004B5

Sheet No.
C602



STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER PROFILE

LEGEND		
	Existing Grade	
	New Grade	
	Granular Backfill	

SCALE: HORZ.: 1"=50'
VERT.: 1"=5'

STORM SEWER RECORD DRAWING

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BENCHMARK

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ELEV. = 908.39

Revisions
MG 08/11/00 LOT LAYOUT REVISION
2. PRC 10/31/00 REMOVED REAR YARD SSDS & ADDED SSDS TEES AT FRONT OF LOTS
3. DRP 03/23/01 STORM SEWER RECORD DRAWING

CERTIFICATION FOR "RECORD DRAWING"

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CERTIFIED BY *J. Cort Crosby*
3/3/01

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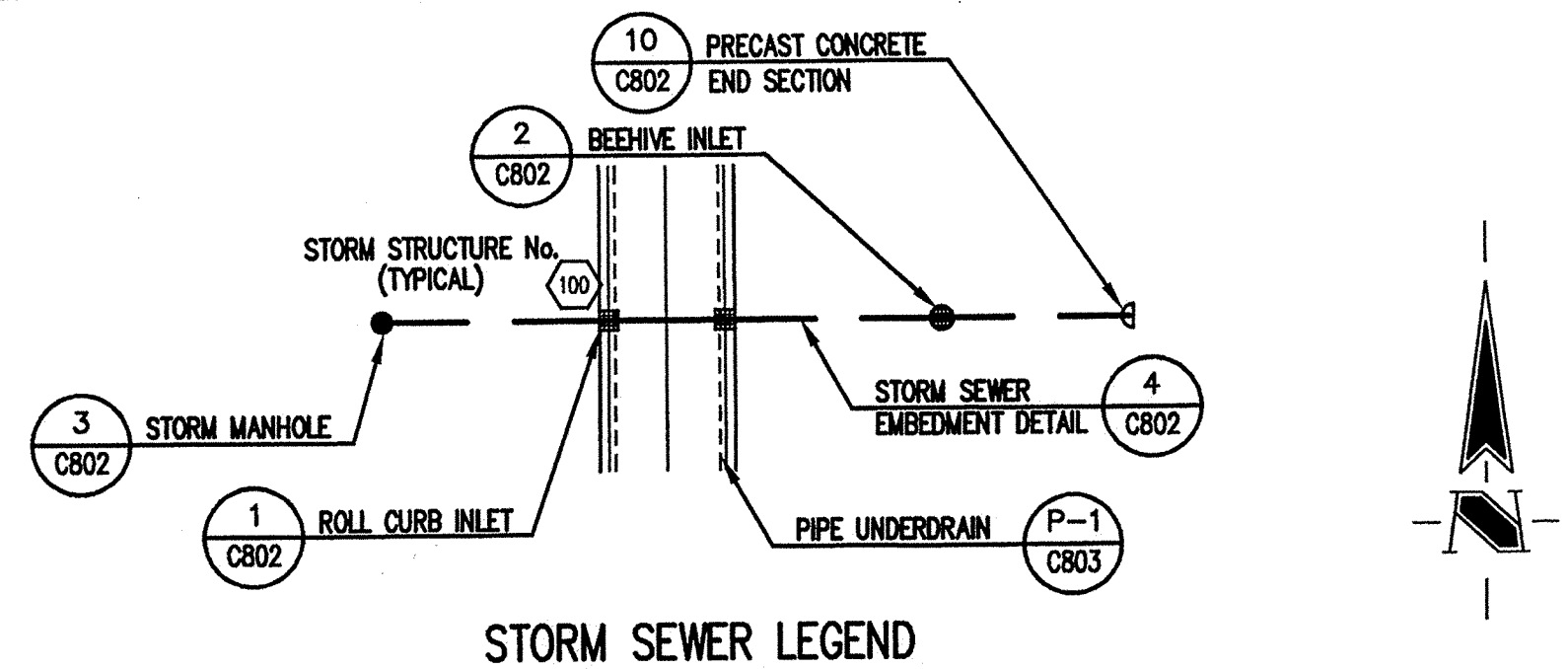
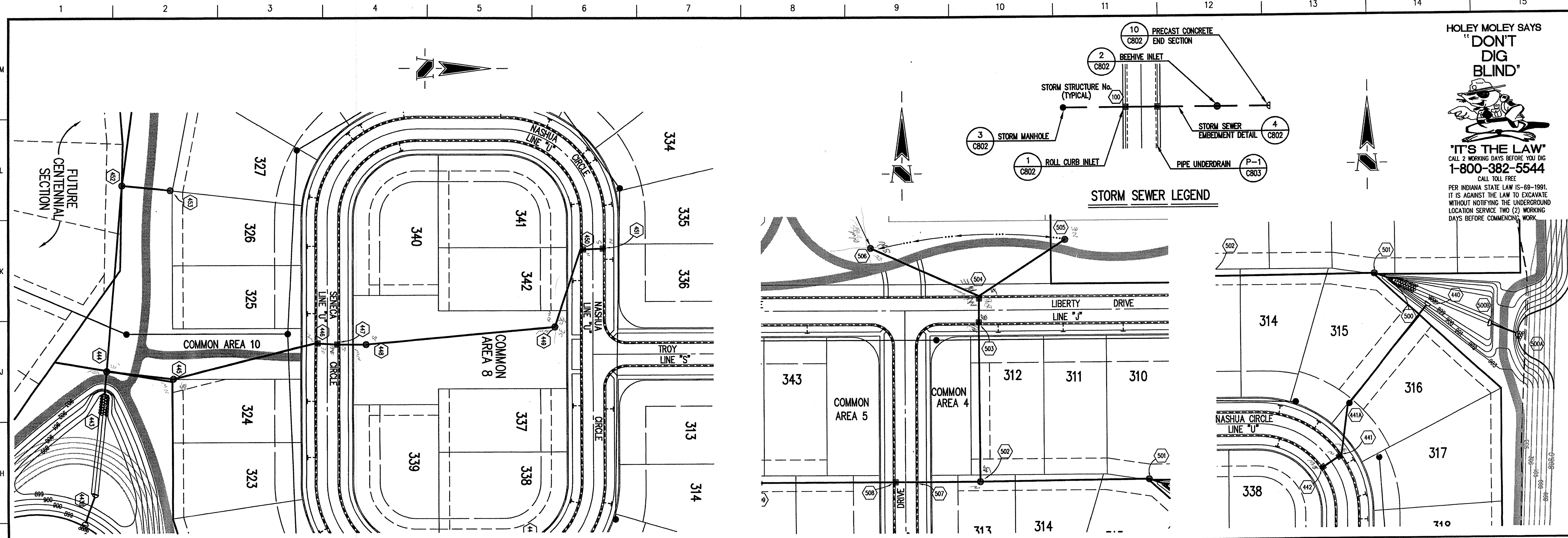
ESTRIDGE DEVELOPMENT CO., INC.
CENTENNIAL SECTION 3
WESTFIELD, INDIANA

STORM SEWER PLAN

Date	Project No.	Drawn	Apprv.
04/12/00	753.003	DRP	

Computer Files	Sheet No.
J:\753\003\DWGS\C603 XREF: 003B5 XREF: J:\753\002\DWGS\002B5 XREF: J:\753\004\DWGS\004B5	C603

FILE
APR 05 2001
OFFICE OF HAMILTON COUNTY SURVEYOR



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BENCHMARK

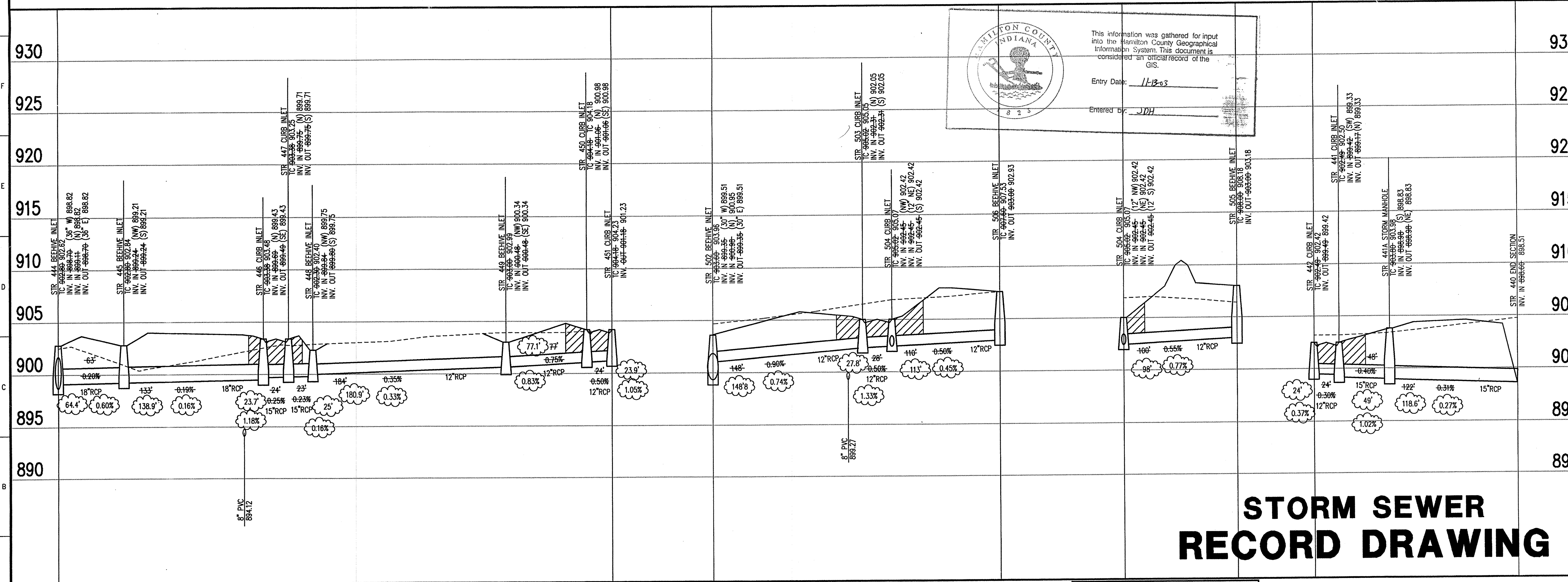
BM - U.S.G.S. 93 RHP (1951)
 BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND DITCH ROAD.
 ELEV. = 903.373

TBM #9
 R.R. SPIKE 1.3" UP NORTH SIDE OF MAPLE S.E. CORNER SITE.
 ELEV. = 908.39

Revisions
 MG 08/11/00 REVISIONS PER LOT LAYOUT REQUESTED BY CLIENT.
 2. PRC 10/31/00 REMOVED REAR YARD S/SUS & ADDED S/SUS TEES AT FRONT OF LOTS.
 3. DRP 03/25/01 STORM SEWER RECORD DRAWING.

STORM SEWER PLAN

SCALE: 1"=50'



HAMILTON COUNTY INDIANA

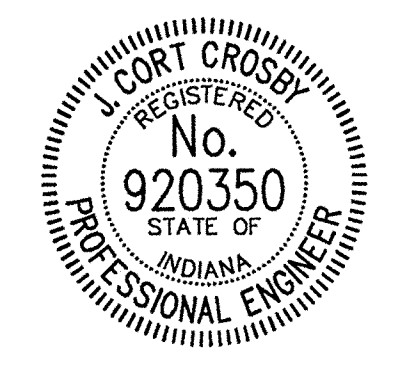
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Entry Date: 11-12-03

Entered by: JDH

CERTIFICATION FOR "RECORD DRAWING"

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CERTIFIED BY: *[Signature]*
 3/31/04

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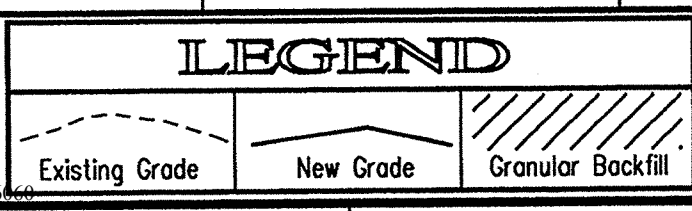
ESTRIDGE DEVELOPMENT CO., INC.
CENTENNIAL SECTION 3 APR 05 2001
 WESTFIELD, INDIANA
 OFFICE OF HAMILTON COUNTY SURVEYOR

STORM SEWER PLAN

Date	Project No.	Drawn	Approv.
04/12/00	753.003	DRP	

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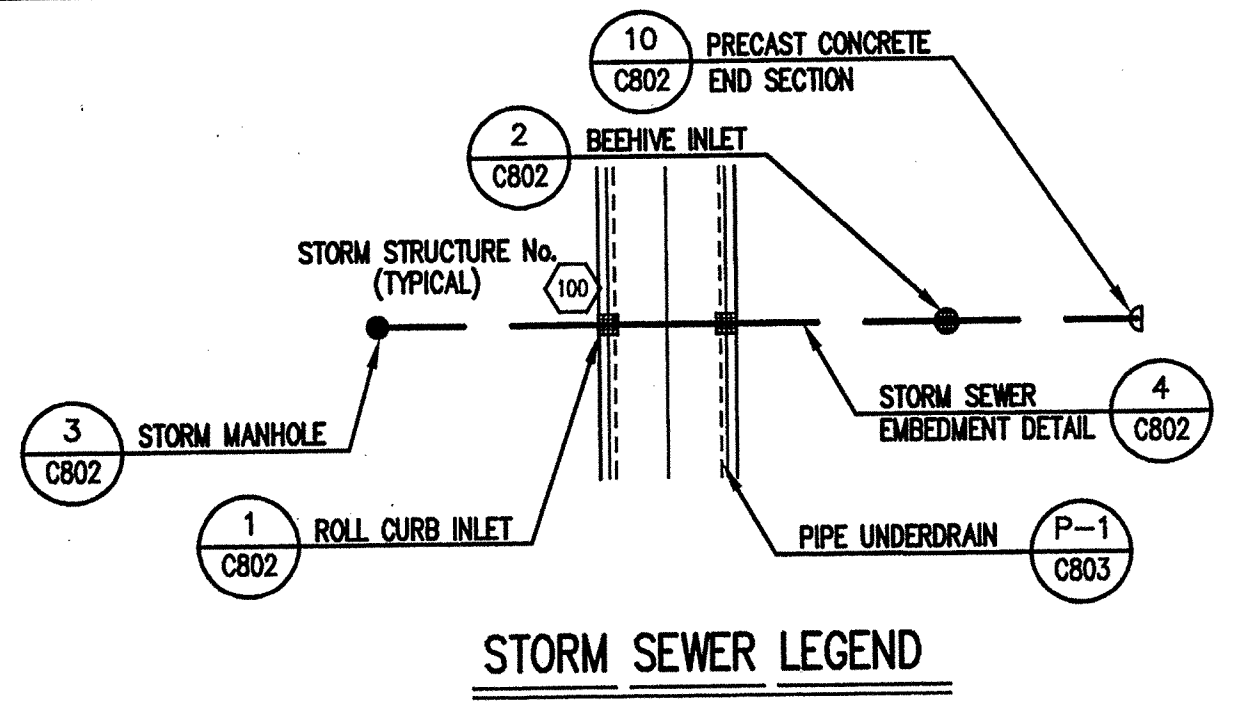
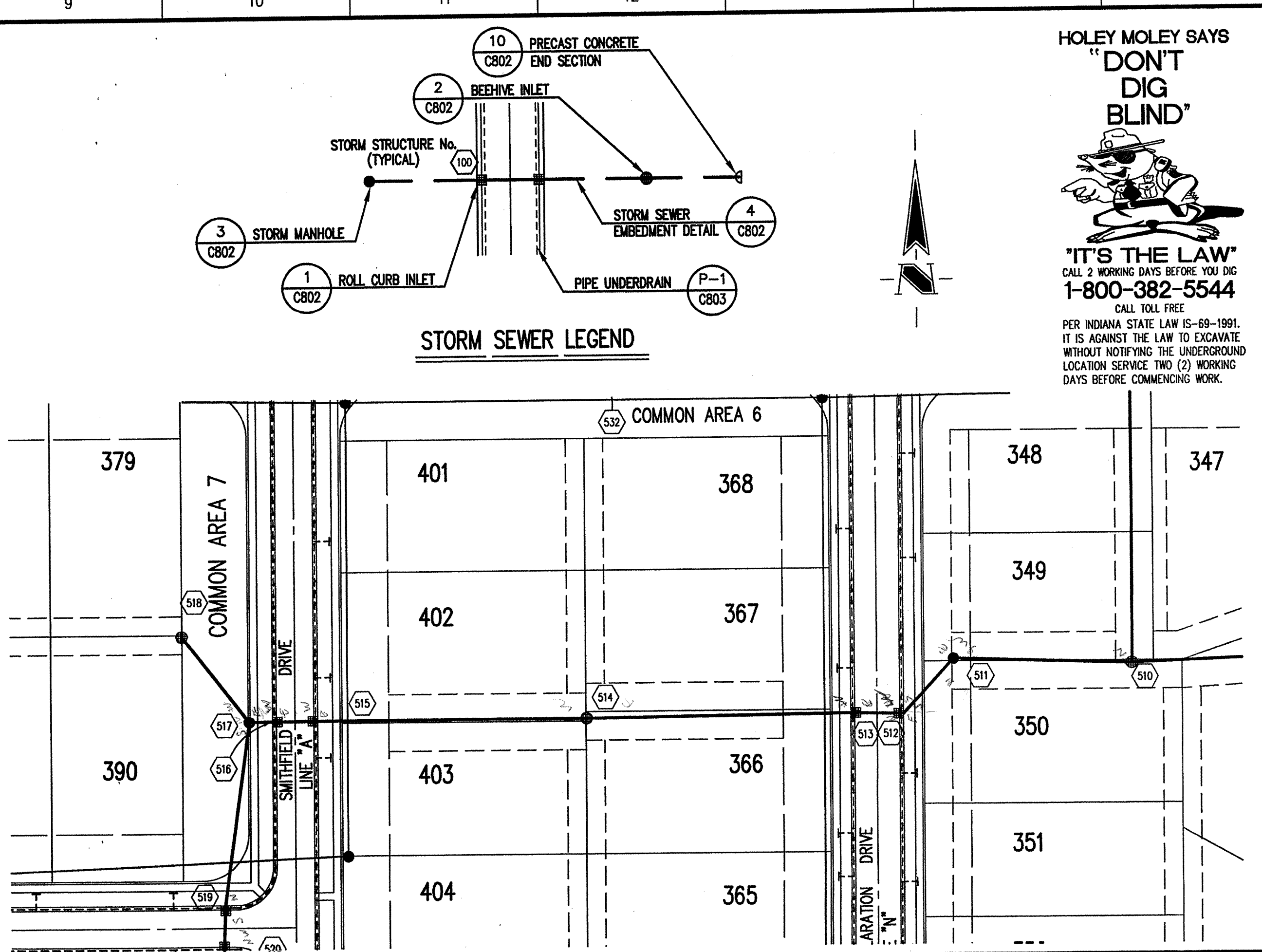
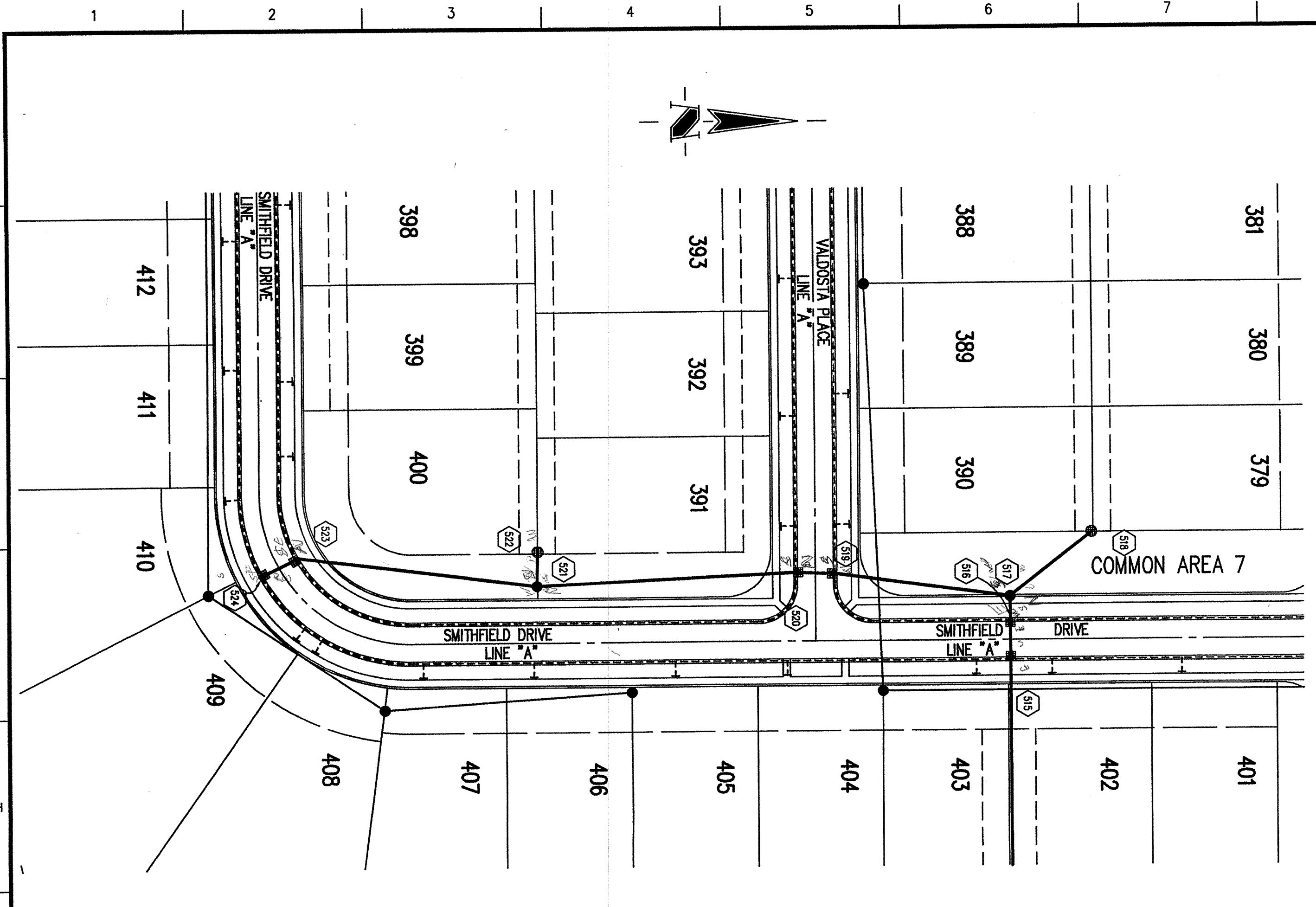
STORM SEWER RECORD DRAWING



SCALE: HORZ.: 1"=50'
 VERT.: 1"=5'

STORM SEWER PROFILE

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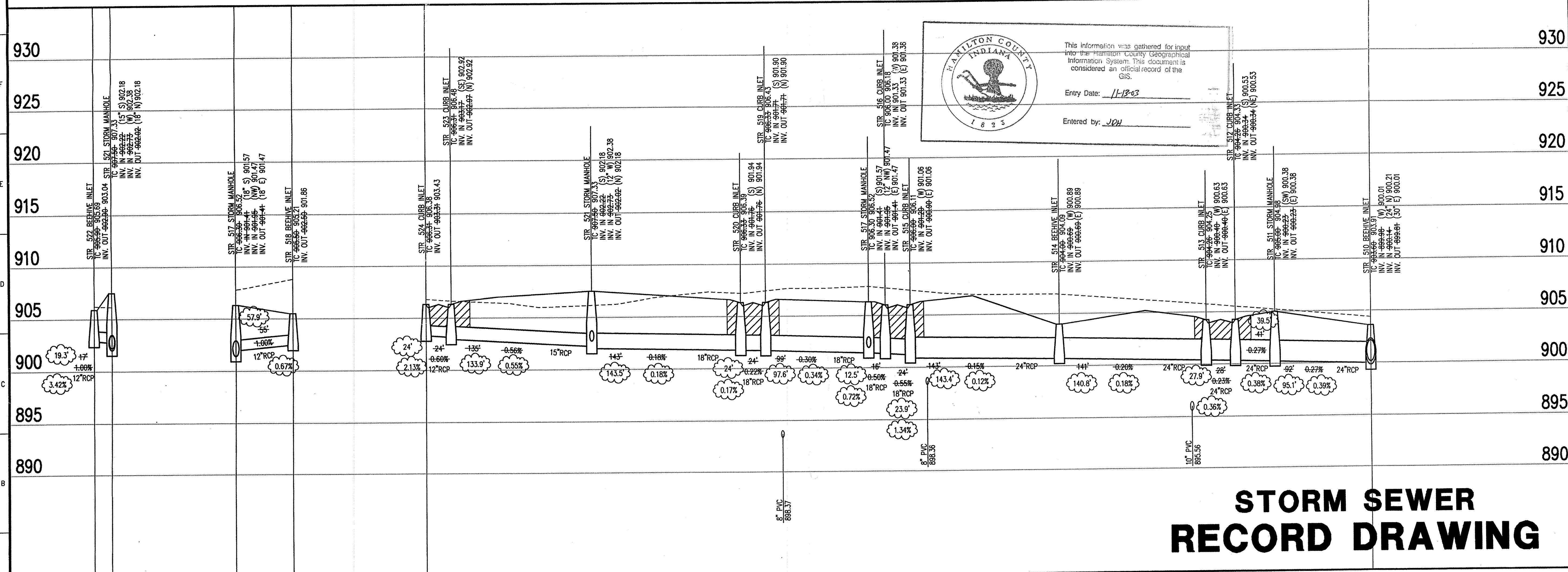
BENCHMARK

BM - U.S.G.S. 93 RHP (1951)
BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND
DITCH ROAD.
ELEV. = 903.373
TBM #9
R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE± S.E. CORNER SITE.
ELEV. = 908.39

Revisions
1. 08/11/00 REVISIONS PER LOT LAYOUT REQUESTED BY CLIENT.
2. PRC 10/21/00 REMOVED REAR YARD SSES & ADDED SSES TREES AT FRONT OF LOTS.
3. DRP 03/23/01 STORM SEWER RECORD DRAWING.

STORM SEWER PLAN

SCALE: 1"=50'



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Entry Date: 11-18-03
Entered by: JCH

CERTIFICATION FOR "RECORD DRAWING"

NOTE:
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CERTIFIED BY: *J. Cort Cross*
3/31/01
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CENTENNIAL SECTION 3 APR 05 2001
WESTFIELD, INDIANA
STORM SEWER PLAN

STORM SEWER RECORD DRAWING

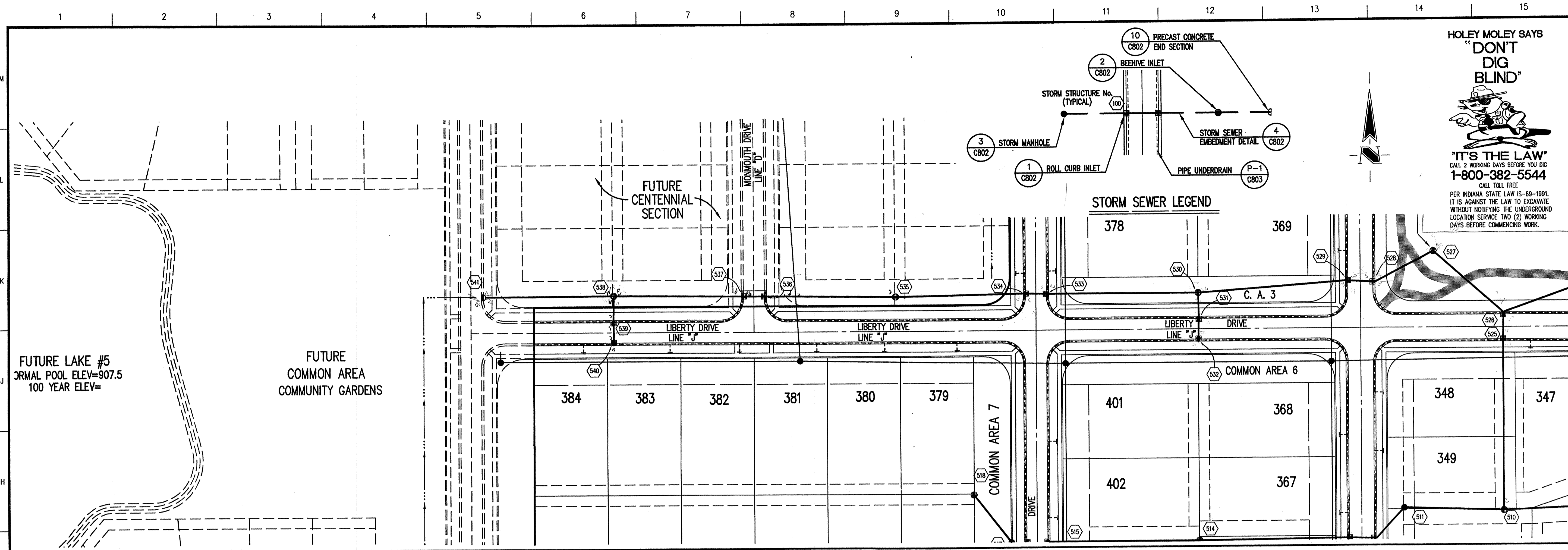
STORM SEWER PROFILE

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

SCALE: **HORZ.: 1"=50'**
VERT.: 1"=5'

Date 04/12/00	Project No. 753.003	Drawn DRP	Approv.
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BENCHMARK

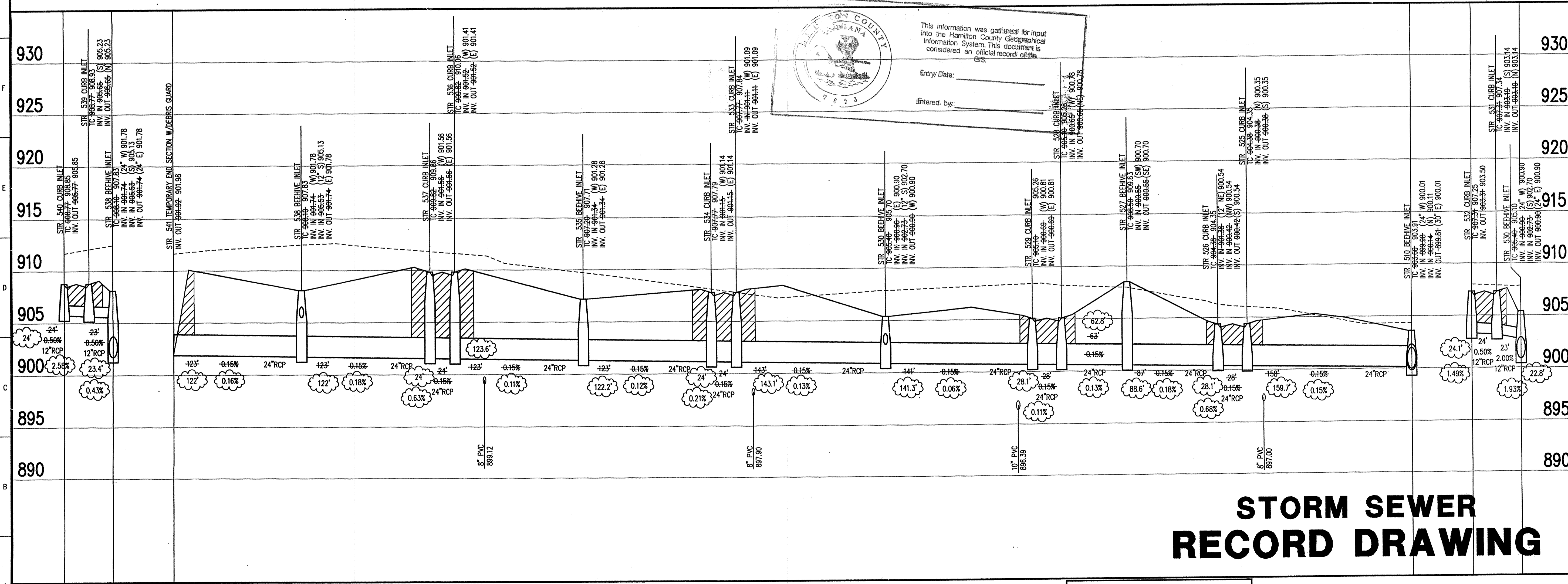
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 ELEV. = 908.39

Revisions
 1. DRP 07/05/00 ADDED DEBRIS GUARD NOTE AT STR. 541.
 2. M&S 02/11/00 REVISIONS PER LOT LAYOUT REQUESTED BY CLIENT.
 3. PRC 10/31/00 REMOVED REAR YARD SDDS & ADDED SDDS TEES AT FRONT OF LOTS.
 4. DRP 03/25/01 STORM SEWER RECORD DRAWING.

STORM SEWER PLAN

SCALE: 1"=50'

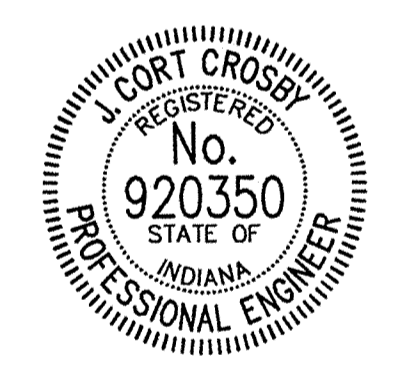


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Entry Date: _____
 Entered by: _____

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CERTIFIED BY *Cort Crosby*
 3/31/01

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 WESTFIELD, INDIANA

Date 04/12/00	Project No. 753.003	Drawn DRP	Approv.
Computer Files J:\753\003\DWGS\C606 XREF: STORM XREF: 00305 XREF: J:\753\002\DWGS\00205 XREF: J:\753\004\DWGS\00405		Sheet No. C606	

STORM SEWER RECORD DRAWING

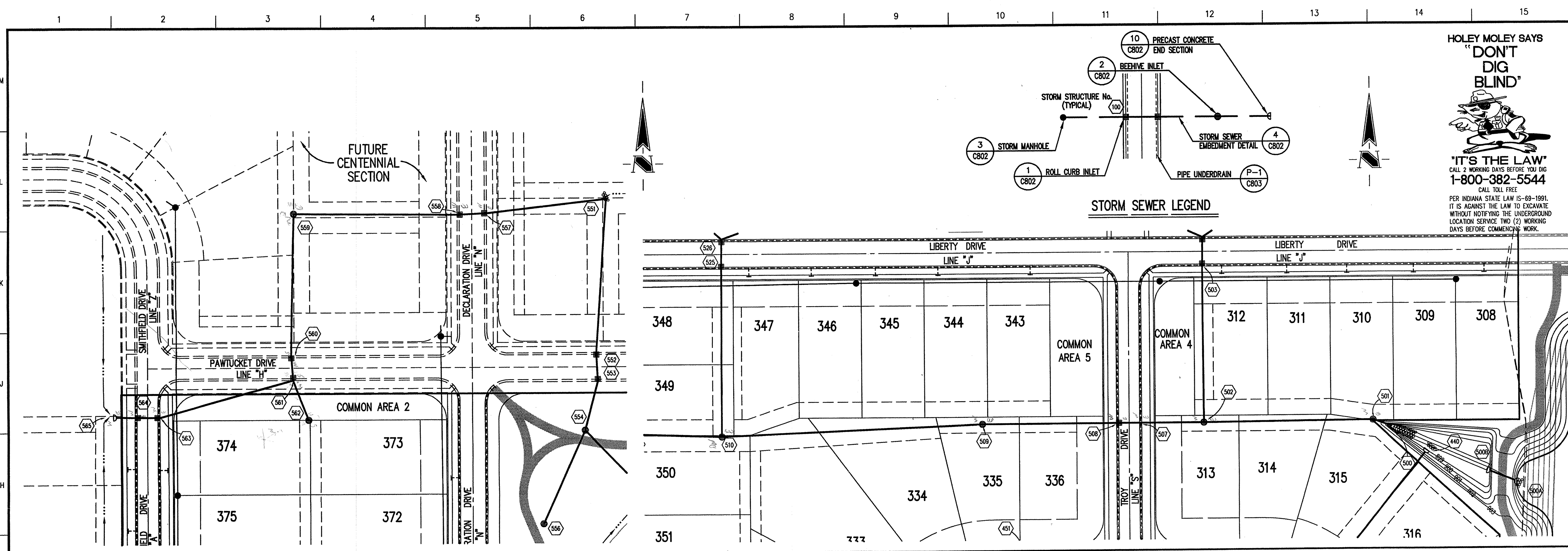
SCALE: **HORIZ.: 1"=50'**
VERT.: 1"=5'

STORM SEWER PROFILE

LEGEND

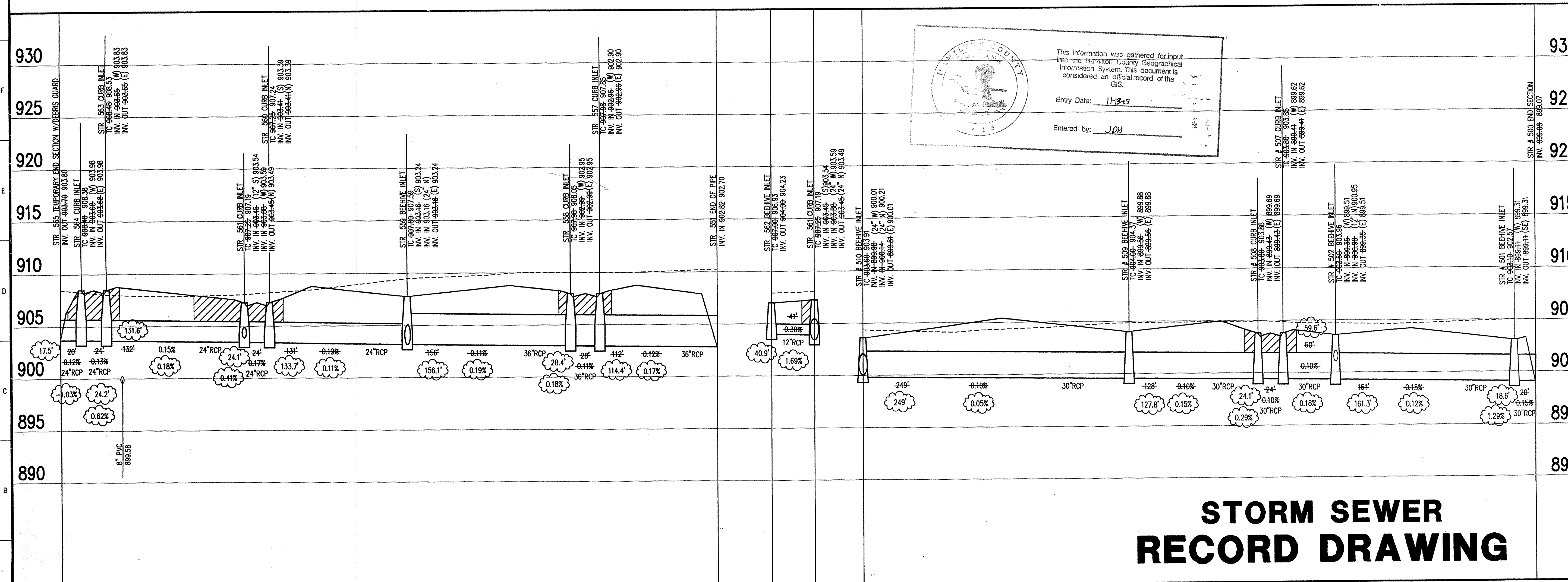
Existing Grade (dashed line)
 New Grade (solid line)
 Granular Backfill (hatched area)

753 003 dwgs C606.dwg Tue Apr 03 15:02:23 2001



STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER PROFILE

STORM SEWER RECORD DRAWING

SCALE: HORZ.: 1"=50'
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BENCHMARK

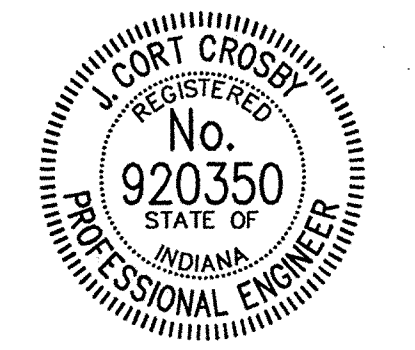
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- Revisions
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CERTIFIED BY *J. Courtney*
3/31/01

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ESTRIDGE DEVELOPMENT CO., INC.
CENTENNIAL SECTION 3
WESTFIELD, INDIANA

APR 05 2001

STORM SEWER PLAN

Date	Project No.	Drawn	Approv.
04/12/00	753.003	DRP	

Computer Files	Sheet No.
J:\753\003\DWG\C607 XREF: STORM XREF: 003B5 XREF: J:\753\002\DWG\002B5 XREF: J:\753\004\DWG\004B5	C607

