

Gasb 34 Footages for Historical Cost
Drain Length Log

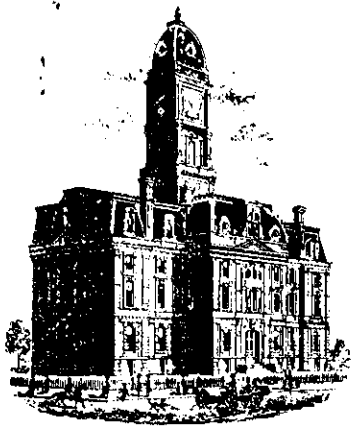
Drain-Improvement: CENTENNIAL DRAIN - CENTENNIAL - SECTION 4

Drain Type:	Size:	Length <small>SURVEYORS REPORT</small> ()	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCP	12"	311'	311'	∅		
	15"	807'	807'	∅		
	24"	709'	709'	∅		
	30"	266'	266'	∅		
	36"	667'	667'	∅		
OPEN DITCH		100'	100'	∅		

Sum: 2860' 2860' ∅

Final Report: _____

Comments: _____



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

November 14, 2000

Re: Centennial Drain, Section 4 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 4 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:

Open Ditch	100 ft	24"	RCP	707 ft
12" RCP	311 ft	30"	RCP	272 ft
15" RCP	807 ft	36"	RCP	674 ft

The total length of the drain will be 2,871 feet.

The subsurface drains (SSD) under curbs are not to be part of the regulated drain.

The open ditch listed above is that swale between Str. 601 and 601B

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$50.00 per lot, \$5.00 per acre for roadways, \$5.00 per acre for common areas, with a \$50.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$3,713.46.


Parcels assessed for this drain may be assessed for the Osborn-Collins or Williams Creek Drains at sometime in the future.

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

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. This request is for the reduction of the regulated drain easement to those widths as shown on the secondary plat for Centennial Section 4 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for December 26, 2000.

KCW/kkw



Kenton C. Ward
Hamilton County Surveyor

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

Revised June 1997

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 _____
Printed John Talbot

(Revised 2/1986)

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

TO: HAMILTON COUNTY DRAINAGE BOARD
X Hamilton County Surveyor, Courthouse, Noblesville, IN 46060

In the matter of Centennial Ltc Subdivision,
Section 4 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, 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 benefited thereby. Petitioner believes the proposed improvements will:

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

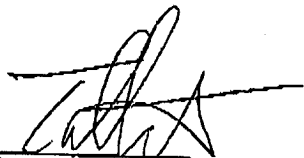
Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

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 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

John W Taltus

Printed Name

Signed

Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE

November 9, 2000

SUBDIVISION IMPROVEMENTS PERFORMANCE BOND

Bond No. 885934S

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 One Hundred Fifty three Thousand Ninety Eight and No/100 Dollars (\$ 153,098.00) 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 4

Whereas, Principal, has, as a condition to approval of the plat for the real property, agreed to construct certain land improvements, consisting of Storm Sewers & Subsurface Drains, 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 18th day of October, 2000.

Estridge Development Company, Inc. Principal
Developers Surety and Indemnity Company Surety

BY: [Signature] BY: Cynthia L. Jenkins

Title: Project Engineer Attorney-in-Fact

BOARD OF COMMISSIONERS OF THE COUNTY OF HAMILTON

[Signature]
[Signature]
[Signature]

DATE 11-14-00

SIP0300 ATTEST: [Signature]
HAMILTON COUNTY AUDITOR

HCDB-BOO-032

SUBDIVISION IMPROVEMENTS PERFORMANCE BOND

Bond No. 885950S

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 Obligees in the sum of Sixteen Thousand Eight Hundred Fifty and No/100 Dollars (\$ 16,850.00--) 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 4

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 Obligees, 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 Obligees, 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 Obligees, provided further that the penal sum hereof may be reduced upon resolution of Obligees.
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 30th day of October, 20 00.

Estridge Development Company, Inc.
Principal
BY: [Signature]
Title: Project Engineer

Developers Surety and Indemnity Company
Surety
BY: [Signature]
Ginger J. Krahn
Attorney-in-Fact

SIP0300
ATTEST: [Signature]
HAMILTON COUNTY AUDITOR

BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON
[Signatures]
DATE 11-14-00

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF
Centennial Drain, Section 4

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the Centennial Drain, Section 4 on December 26, at 12:05 P.M. in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: *Kimberly Waller*

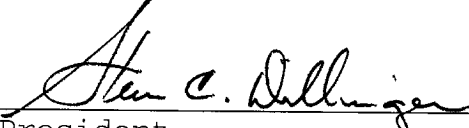
ONE TIME ONLY

FINDINGS AND ORDER
CONCERNING THE MAINTENANCE OF THE
Centennial Drain, Section 4

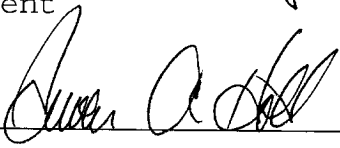
On this *26th day of December 2000*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Centennial Drain, Section 4*.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.


HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

Attest: _____


CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: CENTENNIAL, SECTION 4

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:  Date: 7/9/01

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

Business Address: 8901 OTIS AVE

INDIANAPOLIS, IN 46216-1037

Telephone Number: (317) 826-7306

SEAL



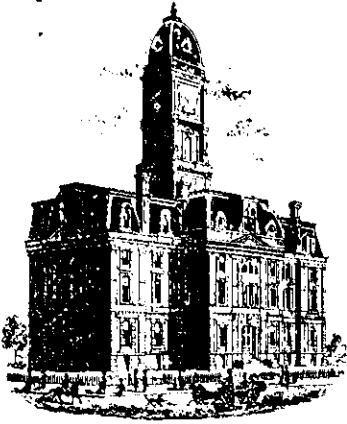
INDIANA REGISTRATION NUMBER

920350

FILED

Revised 10/95

JUL 11 2001



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 4

Attached are as-builts, certificate of completion & compliance, and other information for Centennial Sec 4. 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 November 14, 2000. The report was approved by the Board at the hearing held December 26, 2000. (See Drainage Board Minutes Book 5, Pages 529-530) The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
626	903.99	897.49				
625	903.59	897.29	30	57	62	-5
625	903.59	897.29				
624	903.64	896.39	30	130	134	-4
624	903.64	896.39				
623	903.77	896.27	30	28	28	0
623	903.77	896.77				
622	903.75	895.75	30	51	48	3
622	903.75	895.75				
605	899.53	895.13	36	309	310	-1
605	899.53	895.13				
604	899.3	894.5	36	156	155	1
604	899.3	894.5				
603	900.19	894.24	36	42	45	-3
603	900.19	894.24				
602	900.19	894.09	36	24	24	0
602	900.19	894.09				
601		893.15	36	136	140	-4
601B		893.11				
601A		892.99	12	24	25	-1
616	899.6	896.6				

615	899.9	896.53	12	24	24	0
615	899.9	896.53				
614	899.21	896.06	15	87	87	0
614	899.21	896.06				
613	899.6	895.9	24	138	138	0
613	899.6	895.9				
612	899.6	895.65	24	24	24	0
612	899.6	895.65				
605	899.53	895.23	24	138	138	0
611	902.7	899.7				
610	902.64	899.34	12	24	24	0
610	902.64	899.34				
609	900.6	898.7	15	132	130	2
609	900.6	898.7				
608	902.34	898.29	15	48	50	-2
608	902.34	898.29				
607	901.15	897.75	15	79	80	-1
607	901.15	897.75				
606	901.19	896.89	15	24	24	0
606	901.19	896.89				
605	899.53	895.23	15	139	138	1
628	903.57	898.57				
627	902.5	898.3	24	200	198	2
627	902.5	898.3				
626	903.99	897.49	24	209	209	0
621	902.86	899.91				
620	902.96	899.81	12	28	28	0
620	902.96	899.81				
617	900.04	896.94	12	187	186	1
617	900.04	896.94				
614	899.21	896.06	15	159	160	-1
619	900.62	897.37				
618	900.55	897.35	12	24	24	0
618	900.55	897.35				
617	900.04	896.94	15	139	138	1

RCP Pipe Totals:

12	311
15	807
24	709
30	266
36	667

Open Ditch	100
------------	-----

The length of the drain due to the changes described above is now **2860 feet**.

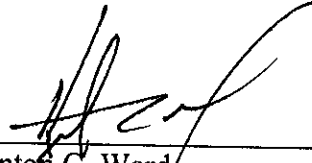
Note: The sub-surface drain under the curb is no longer considered a part of the regulated drain. This decision was made in the Hamilton County Commissioners' meeting and recorded in the minutes for March 8, 1999

The non-enforcement was approved by the Board at its meeting on December 26, 2000 and recorded under instrument #2001-00002888.

The bond or letter of credit from Estridge Development Company, Inc, number 885934S, 8859050S; dated October 18, 2000, October 30, 2000; in the amount of \$153,098 and \$16,850; was released 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 4

(CONSTRUCTION PLANS)

HAMILTON COUNTY WESTFIELD, INDIANA

DEVELOPER:

ESTRIDGE DEVELOPMENT CO., INC.

1041 WEST MAIN STREET

CARMEL, INDIANA 46032

(317) 582-2456

INDEX	
SHEET No.	DESCRIPTION
C100	COVER SHEET
C101, C102	DEVELOPMENT PLAN
C103, C104	EROSION CONTROL PLAN
C105	EROSION CONTROL DETAILS
C201-C204	STREET PLAN
C301	INTERSECTION DETAILS
C302	TRAFFIC CONTROL PLAN
C401, C402	SANITARY SEWER PLAN
C601-C603	STORM SEWER PLAN
C701	WATER DISTRIBUTION PLAN
C702	WATER DISTRIBUTION DETAILS
C801, C804	GENERAL DETAILS
C901	SPECIFICATIONS

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



3020 North Post Road
Indianapolis, Indiana 46226-6518
317-898-8282
317-899-8010 Fax

Engineering
Surveying
Landscape Architecture
GIS • LIS
Geology

Formerly Schneider Engineering Corp. / Bohlen, Meyer, Gibson & Assoc.

CERTIFIED BY: *J. Cort Crosby*, P.E.

E-MAIL ADDRESS:

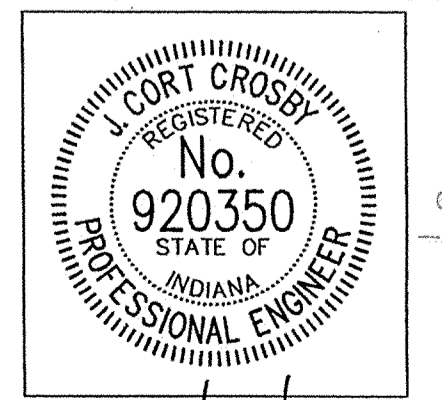
ccrosby@theschneidercorp.com

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JOB No. (753.004)

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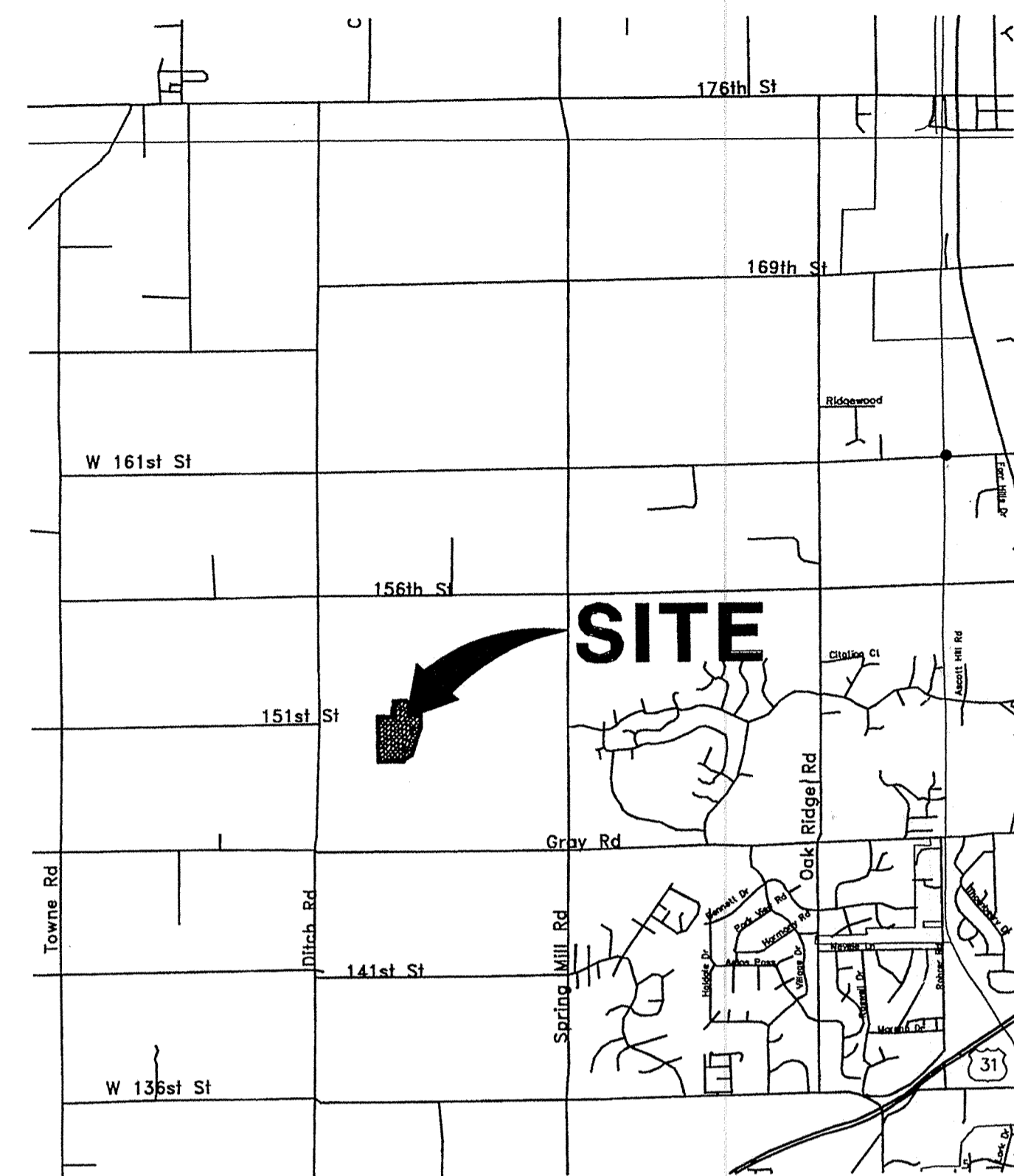


DATE: 4/30/01

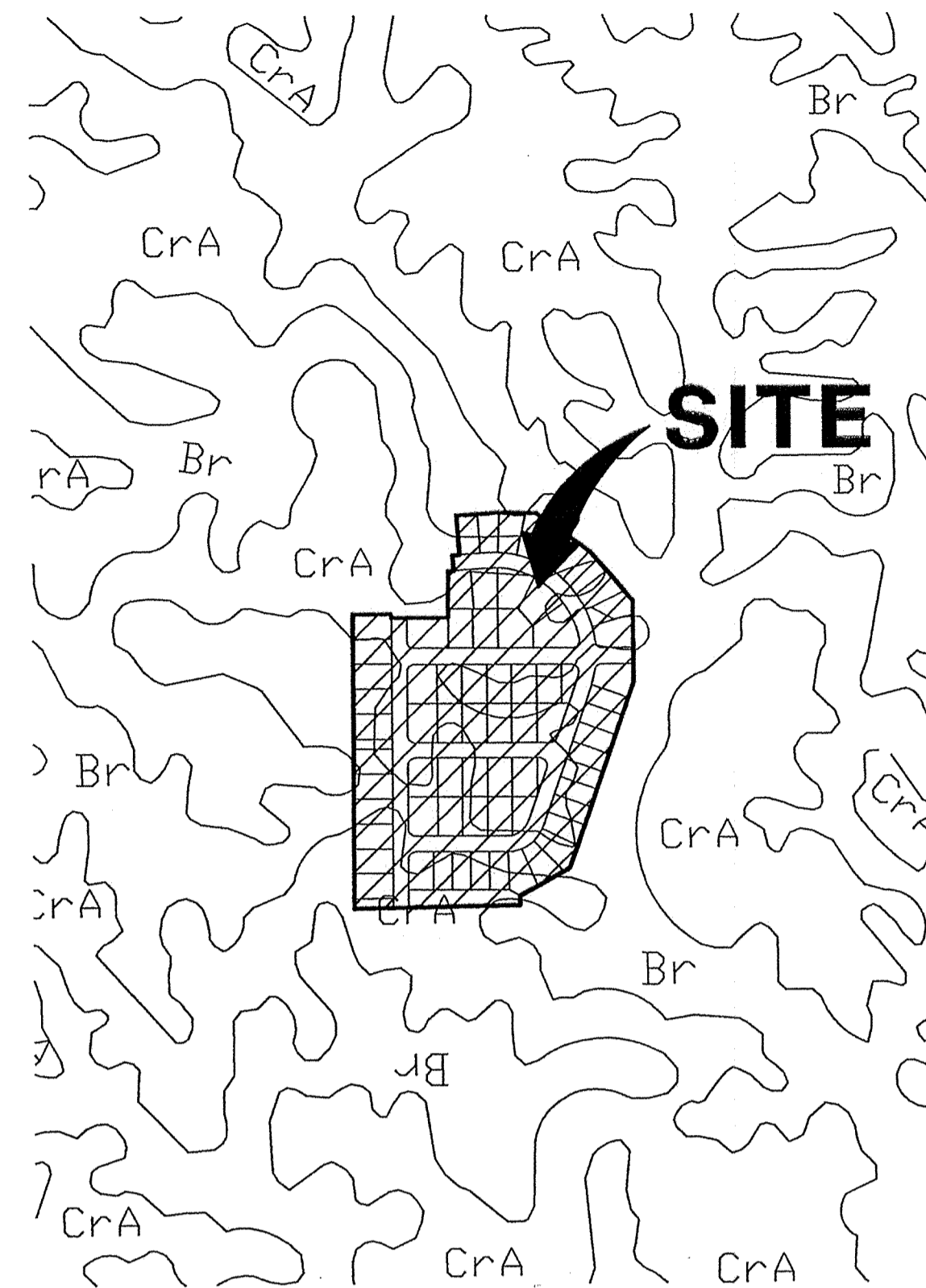
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OFFICE OF HAMILTON COUNTY ENGINEER

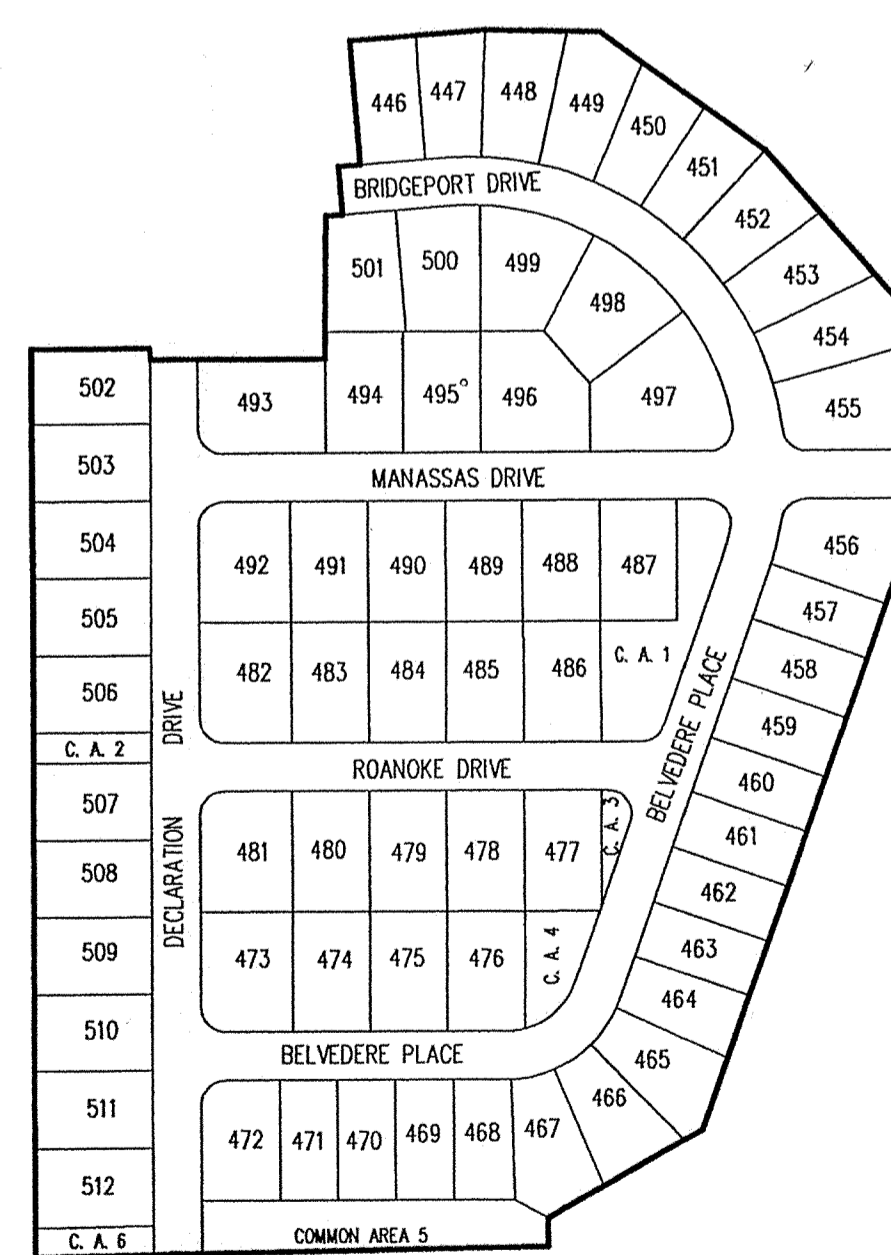
SHEET
C100
OF
24



AREA MAP
SCALE: 1"=3000'



SOILS MAP
SCALE: 1"=500'



SITE MAP
SCALE: 1"=200'

DATE	BY	DESCRIPTION
10/18/00	PRC	C100 & C901
10/19/00	PRC	C100-C104, C201-C204, C302, C401, C601-C701 & C802
10/30/00	PRC	C100, C101 & C102
04/19/01	DRP	C100, C101, C102, C601-C603

PROJECT ENGINEER: _____

CHECKED BY: _____ DATE CHECKED: _____



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
SHEET C102.

NOTE: CONTRACTOR IS TO REMOVE ANY FIELD TILE FOUND
RUNNING UNDER PAD OR STREET AREAS. FIELD TILE
SEGMENTS UPSTREAM OF SECTION 3 ARE TO BE
CONNECTED TO STORM SEWERS IF POSSIBLE. IF SUCH
CONNECTIONS ARE NOT POSSIBLE, TEMPORARY
SWALES ARE TO BE CONSTRUCTED TO MAINTAIN
POSITIVE DRAINAGE.

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

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

UTILITIES - WESTFIELD

- GAS**
 - Indiana Gas Company
 - 505 West Cr. 125 S.
 - Lebanon, Indiana 46052
 - (317) 482-8456
 - Attn: Jeff Austry
 - TELEPHONE**
 - Ameritech
 - 5858 North College Avenue
 - Indianapolis, Indiana 46220
 - (317) 252-4275
 - Attn: Jone Messenger
 - SANITARY SEWERS AND WATER**
HAMILTON WESTERN UTILITIES
 - 1350 Grayhound Pass
Carmel, Indiana 46032
(317) 848-6882
Attn: Beau Wilfang
 - ELECTRIC**
P. S. I. Energy
P.O. Box 876
Carmel, Indiana 46032
(317) 851-3041
Attn: Mark La Barr
 - CABLE TV**
 - Jones Interconnect
 - 518 E. Carmel Drive
 - Carmel, Indiana 46023
 - (317) 844-8877
- Utility Hotline: within Indiana 1-800-382-5544
outside Indiana 1-800-428-5200

GENERAL NOTES

1. ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
2. 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.
3. STANDARD SPECIFICATIONS FOR THE HAMILTON WESTERN, UTILITIES SHALL APPLY FOR ALL SANITARY WESTERS.
4. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
5. 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.
6. SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4' IN WIDTH.
7. 4" CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
8. 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.
9. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
10. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
11. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.
12. ALL REAR YARD SUBSURFACE DRAINS ARE TO BE 6" MINIMUM, EXCEPT FOR INDIVIDUAL LOT CONNECTIONS WHICH ARE TO BE 4" MINIMUM.

Revisions
1. PRC 10/19/00 REMOVED REAR YARD S.S.D.S., REAR YARD ESMT. TO BE 15' AT LOTS 450-454 & ADDED S.S.D.S. TEES AT THE FRONT OF ALL LOTS, ALSO ADJUSTED LOT PADS 456 TO 458 PAD GRADES.
2. PRC 10/30/00 ADJUSTED PADS ON LOT 474 & 475.
3. DRP 04/19/01 SUB-SURFACE DRAIN RECORD DRAWING.

CERTIFICATION FOR "RECORD DRAWING"

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



CERTIFIED BY: *J. Court Croft*
4/13/01

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CENTENNIAL SECTION 4
WESTFIELD, INDIANA

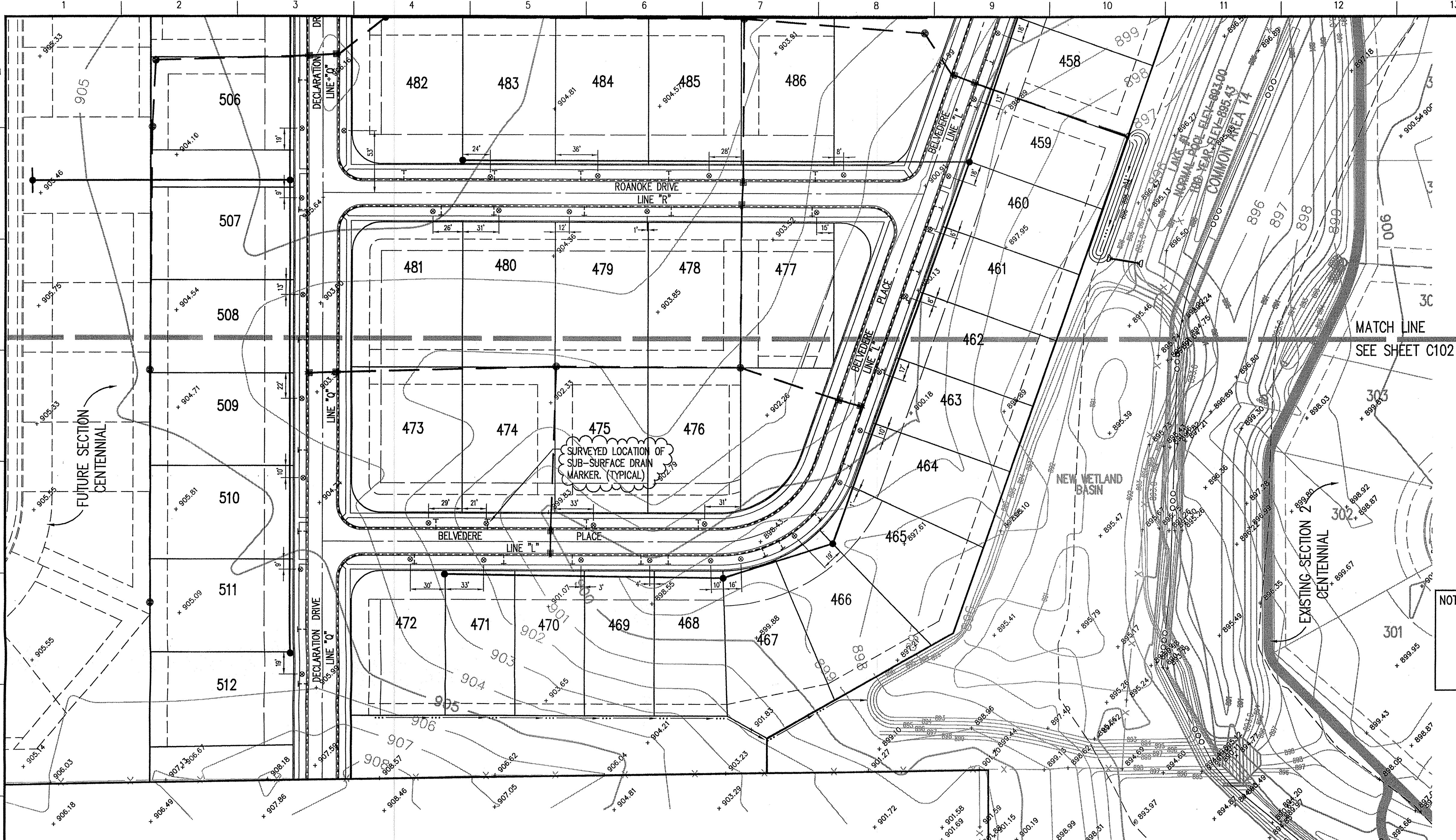
DEVELOPMENT PLAN
SUB-SURFACE DRAIN LOCATION

Date	Project No.	Drawn	Approved
09/13/00	753.004	PRC	FILED
Computer Files	Sheet No.		
J:\753\004\DWG\C101XSD			
XREF: 004S; 005 (DWG) 006S			
XREF: 4753.003 (DWG) 002S			
XREF: 4753.002 (DWG) 002S			

SUB-SURFACE DRAIN RECORD DRAWING

NOTE
The size and location of utilities are per plans and locations provided by the respective utility companies. All utility companies shall be notified prior to any excavation for field location of services.

JUL 11 2001



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"IT'S THE LAW"
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1-800-382-5544
CALL TOLL FREE
PER INDIANA STATE LAW 15-69-1991.
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'

- ### 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.
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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

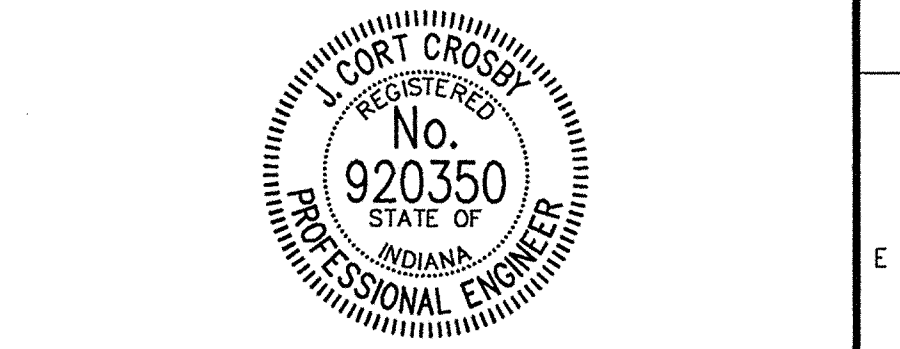
TBM #9
R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE & S.E. CORNER SITE.
ELEV. = 908.39

NOTE: CONTRACTOR IS TO REMOVE ANY FIELD TILE FOUND RUNNING UNDER PAD OR STREET AREAS. FIELD TILE SEGMENTS UPSTREAM OF SECTION 3 ARE TO BE CONNECTED TO STORM SEWERS IF POSSIBLE. IF SUCH CONNECTIONS ARE NOT POSSIBLE, TEMPORARY SWALES ARE TO BE CONSTRUCTED TO MAINTAIN POSITIVE DRAINAGE.

- Revisions
- PRC 10/19/00 REMOVED REAR YARD SDDS, REAR YARD ESMT. TO BE 15' AT LOTS 458 TO 464 & DISE AT REAR OF LOT 467, MOVED BL TO 30' ON LOT 465-467 & ADDED SDDS TEES ON FRONT OF ALL LOTS.
 - PRC 10/30/00 ADJUSTED PADS ON LOT 474 & 475.
 - DRP 04/19/01 SUB-SURFACE DRAIN RECORD DRAWING.

CERTIFICATION FOR "RECORD DRAWING"

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



CERTIFIED BY *[Signature]*
4/30/01

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ESTRIDGE DEVELOPMENT CO., INC.
CENTENNIAL SECTION 4
WESTFIELD, INDIANA

DEVELOPMENT PLAN
SUB-SURFACE DRAIN LOCATION

Date	Project No.	Drawn	Apprv.
09/13/00	753.004	PRC	
Computer Files	Sheet No.	FILED	
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XREF: 04095_004-TAB5		OFFICE OF HAMILTON COUNTY SURVEYOR	
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XREF: J:\753\002\DWG\002B5			
XREF: J:\753\001\DWG\753TOP0			
XREF: J:\753\005\DWG\005B5_006B5			

STORM SEWER TABLE

STR #	STA BASELINE	OFFSET	LT/RT	TYPE	TC	INVERTS
601	8+80.63 "L"	152.00	LT	END SECTION	893.26	
601A	9+80.80 "L"	188.88	LT	END SECTION	893.00	
601B	9+80.89 "L"	163.88	LT	END SECTION	893.08	
602	8+80.00 "L"	14.00	LT	CURB INLET	900.00	893.98 (N&S)
603	8+80.00 "L"	14.00	RT	CURB INLET	900.00	894.16 (N&S)
604	8+53.96 "L"	46.70	RT	BEEHIVE INLET	899.00	899.00 (W&E)
605	14+84.70 "K"	150.00	LT	BEEHIVE INLET	899.40	899.36 (N), 895.16 (S), 894.88 (W&E)
606	14+85.00 "K"	12.00	LT	CURB	900.00	897.54 (N&S)
607	14+85.00 "K"	12.00	RT	CURB	900.00	897.68 (N&S)
608	14+14.60 "K"	50.00	RT	MANHOLE	900.00	898.16 (N&S)
609	14+10.62 "K"	99.84	RT	MANHOLE	900.80	898.46 (N&S)
610	4+75.00 "L"	12.00	RT	CURB INLET	902.67	899.49 (NE), 899.24 (SW)
611	4+75.00 "L"	12.00	LT	CURB INLET	902.67	899.67 (SW)
612	1+58.00 "R"	12.00	LT	CURB INLET	899.52	895.45 (S&N)
613	1+58.00 "R"	12.00	RT	CURB INLET	899.52	895.49 (S&N)
614	11+78.93 "L"	98.31	RT	BEEHIVE INLET	899.00	896.28 (SE), 895.94 (W), 895.66 (N)
615	11+75.00 "L"	12.00	RT	CURB INLET	899.76	896.68 (SE), 896.48 (NW)
616	11+75.00 "L"	12.00	LT	CURB INLET	899.76	896.76 (NW)
617	14+85.00 "K"	12.00	RT	CURB INLET	900.20	897.10 (W), 896.90 (S&E)
618	15+90.00 "L"	12.00	RT	CURB INLET	900.51	897.44 (S), 897.24 (N)
619	15+90.00 "L"	12.00	LT	CURB INLET	900.51	897.51 (N)
620	6+25.00 "Q"	14.00	LT	CURB INLET	902.88	899.77 (W&E)
621	6+25.00 "Q"	14.00	RT	CURB INLET	902.88	899.88 (E)
622	3+16.67 "Q"	50.51	LT	STORM MANHOLE	904.80	895.90 (SW) 895.50 (E)
623	3+50.00 "Q"	14.00	LT	CURB INLET	903.66	896.14 (W&E)
624	3+50.00 "Q"	14.00	RT	CURB INLET	903.66	896.28 (W&E)
625	3+52.67 "Q"	147.97	RT	BEEHIVE INLET	903.60	896.92 (S&E)
626	4+14.67 "Q"	148.06	RT	BEEHIVE INLET	904.00	897.74 (S), 897.61 (W) STUB, 897.21 (N)
627	6+23.67 "Q"	148.37	RT	BEEHIVE INLET	902.70	898.26 (S&N)
628	8+31.67 "Q"	148.69	RT	BEEHIVE INLET	903.50	899.09 (NW) STUB, 899.79 (SW) STUB, 898.69 (N)

SANITARY SEWER TABLE

STR #	STA BASELINE	OFFSET	LT/RT	TYPE	TC	INVERTS
E51	-----	-----	-----	MANHOLE	905.60	890.04 (SW), EX-890.04 (N), EX-890.94 (W), EX-890.84 (E)
E90	-----	-----	-----	MANHOLE	904.10	EX-890.71 (NW), EX-890.61 (S)
E91	-----	-----	-----	MANHOLE	903.60	EX-891.63 (NW), EX-891.53 (SE)
E92	-----	-----	-----	MANHOLE	904.20	892.25 (NW), EX-892.25 (NE), EX-892.15 (SE)
E104	-----	-----	-----	MANHOLE	902.20	EX-891.12 (W), EX-891.02 (E)
E105	-----	-----	-----	MANHOLE	905.90	892.24 (NW), EX-892.24 (NE), EX-892.04 (E)
93	1+49.37 "L"	35.00	LT	MANHOLE	905.90	898.70 (E)
150	9+45.61 "L"	28.00	LT	MANHOLE	901.10	891.32 (W), 891.22 (SW), 891.12 (NE)
151	3+97.56 "R"	28.00	RT	MANHOLE	902.60	893.29 (E)
152	12+78.25 "L"	40.96	LT	MANHOLE	900.80	892.79 (SW), 892.69 (NE)
153	13+52.43 "L"	30.99	LT	MANHOLE	901.30	893.31 (W), 893.21 (NE)
154	15+91.45 "L"	28.00	LT	MANHOLE	902.30	894.39 (E)
155	4+57.98 "Q"	28.32	RT	MANHOLE	905.10	895.36 (S), 893.63 (W), 893.43 (N)
156	8+64.98 "Q"	28.00	RT	MANHOLE	906.10	898.90 (N)
157	4+58.11 "Q"	250.32	RT	MANHOLE	905.30	894.83 (N&S) STUBS, 894.63 (E)

● ADJUST TC OF MANHOLE E104 FROM 903.70 TO 902.20

UTILITIES - WESTFIELD

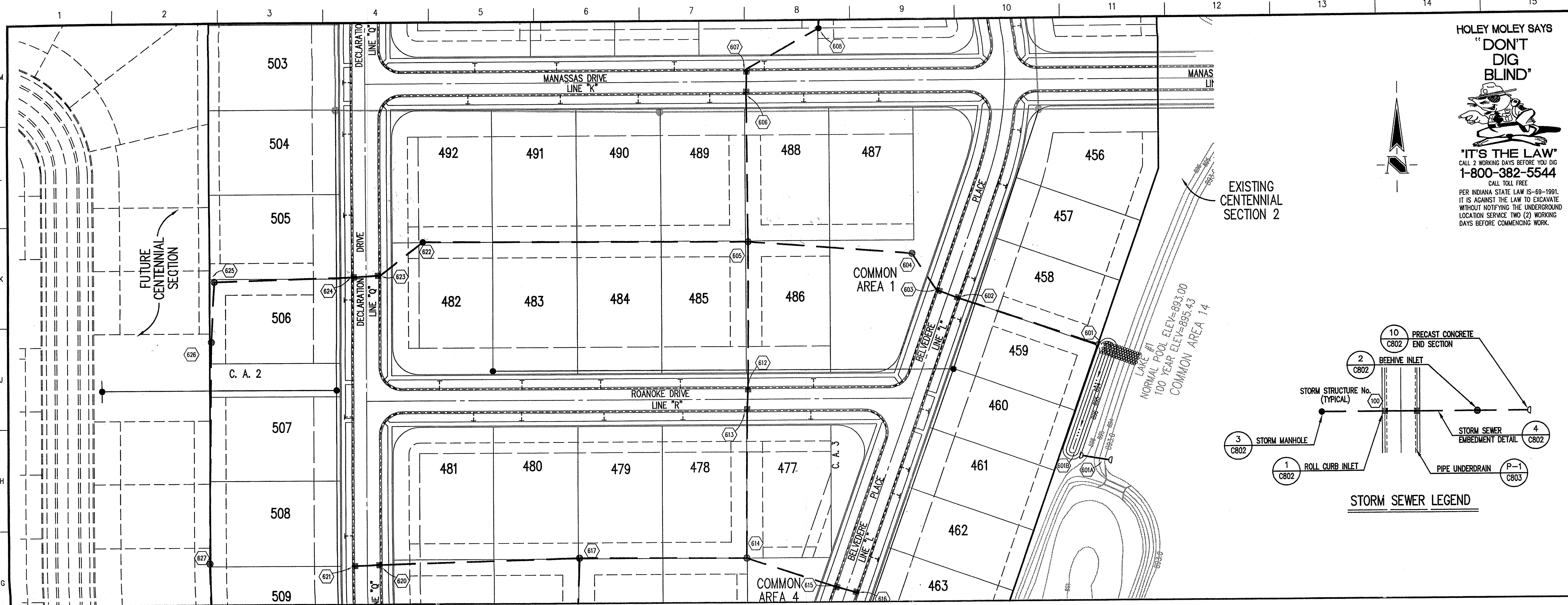
- GAS**
Indiana Gas Company
505 West Cr. 125 S.
Lafayette, Indiana 46032
(317) 482-6456
Attn: Jeff Austry
TELEPHONE
- CABLE TV**
Jones Intercable
516 E. Carmel Drive
Carmel, Indiana 46023
(317) 844-8877
- AMERITECH**
5858 North College Avenue
Indianapolis, Indiana 46220
(317) 252-4275
Attn: Jane Messenger
- SANITARY SEWERS AND WATER**
HAMILTON WESTERN UTILITIES
1350 Grayhound Pass
Carmel, Indiana 46032
(317) 848-6882
Attn: Brian Wilking
ELECTRIC
- P. S. I. Energy**
P.O. Box 676
Carmel, Indiana 46032
(317) 581-3041
Attn: Mark Lo Barr
- Utility Hotline: within Indiana 1-800-382-5544
outside Indiana 1-800-428-5200

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

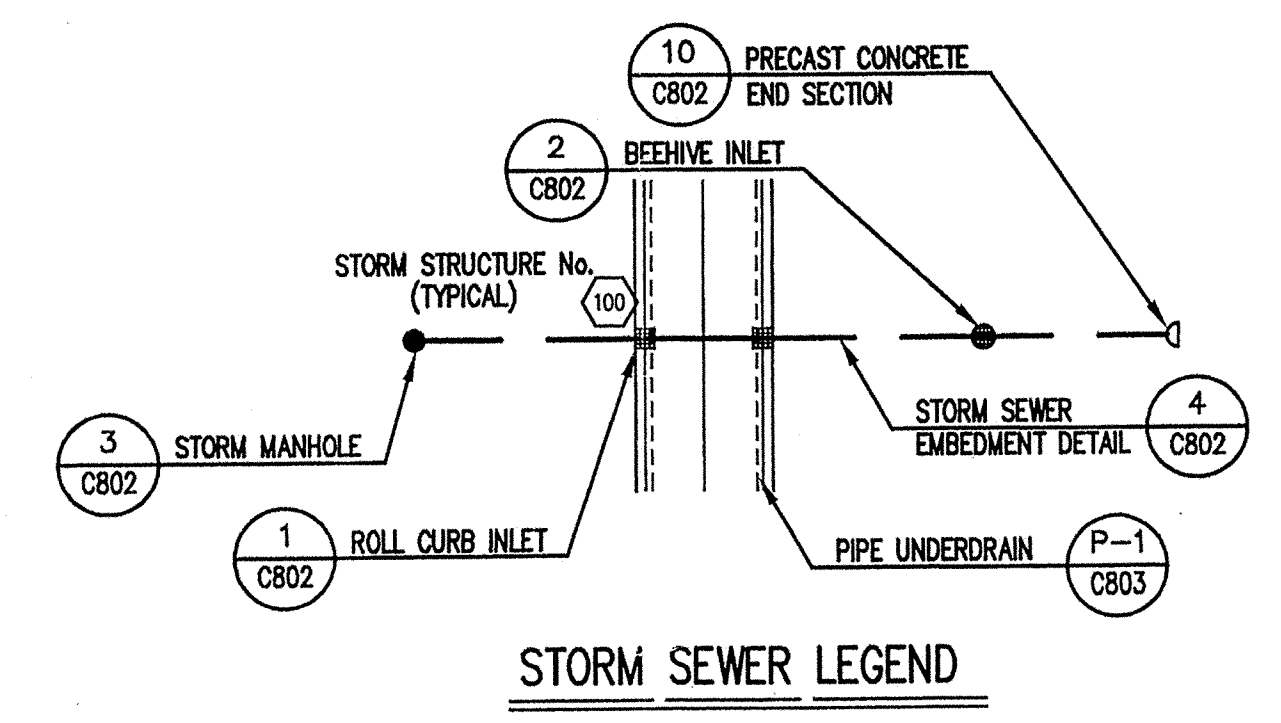
SUB-SURFACE DRAIN RECORD DRAWING

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BENCHMARK

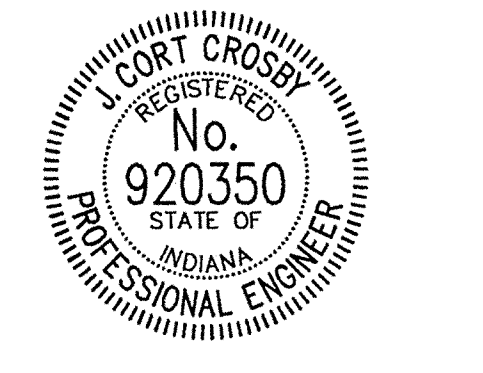
BM - U.S.G.S. 93 RHP (1951)
 BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND DITCH ROAD.
 ELEV. = 903.373

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

Revisions
 1. PRG 10/19/00 ADDED SDDS TEES AT FRONT OF ALL LOTS & REMOVED REAR YARD SDDS
 2. DRP 04/19/01 STORM SEWER RECORD DRAWING.

CERTIFICATION FOR "RECORD DRAWING"

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



CERTIFIED BY: *J. Cort Cross*
 9/30/01

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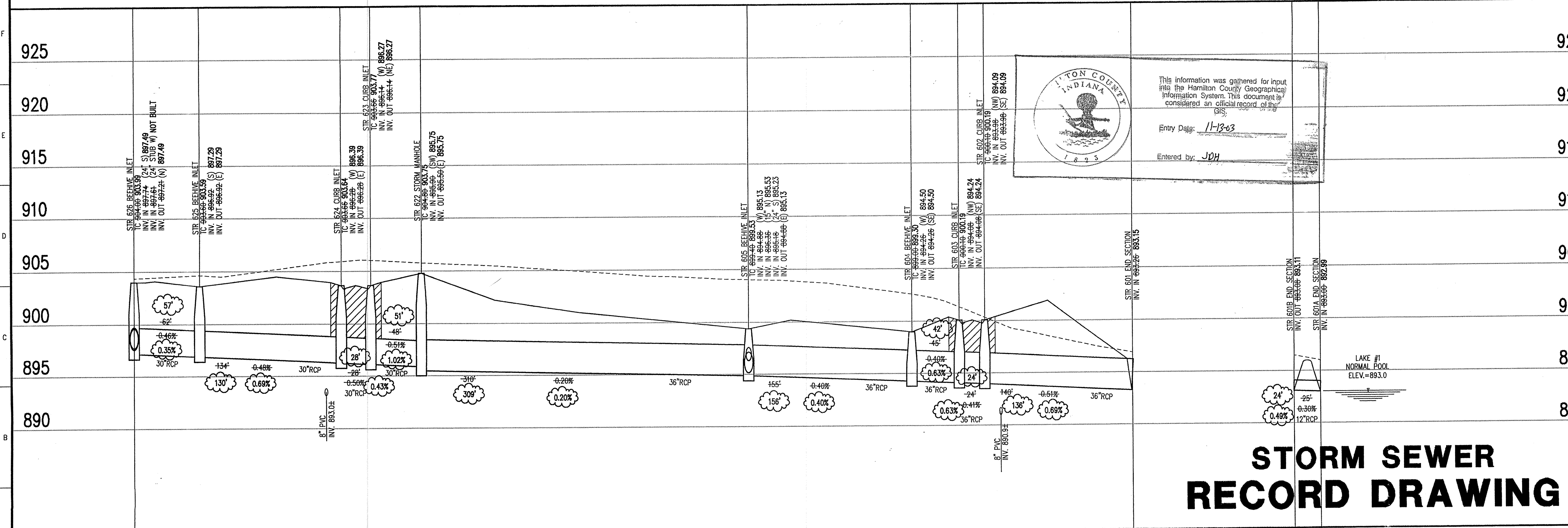
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ESTRIDGE DEVELOPMENT CO., INC.
CENTENNIAL SECTION 4
 WESTFIELD, INDIANA

STORM SEWER PLAN

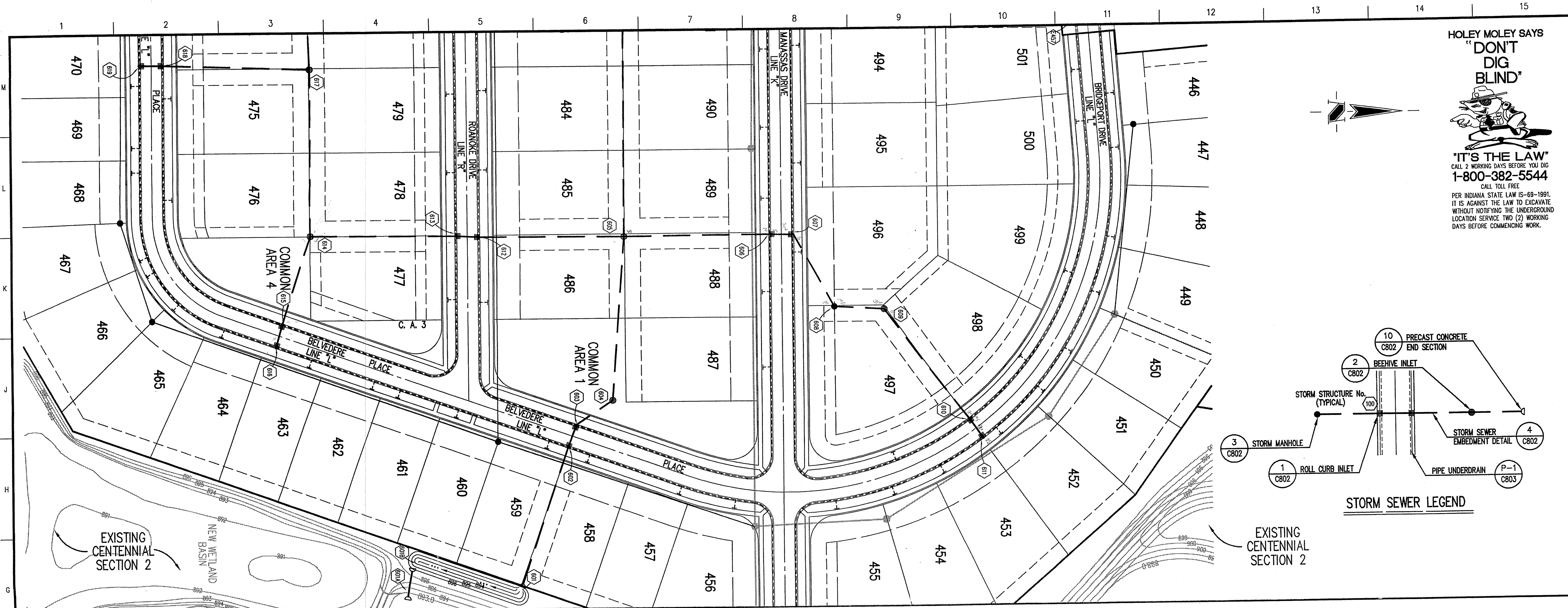
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LEGEND

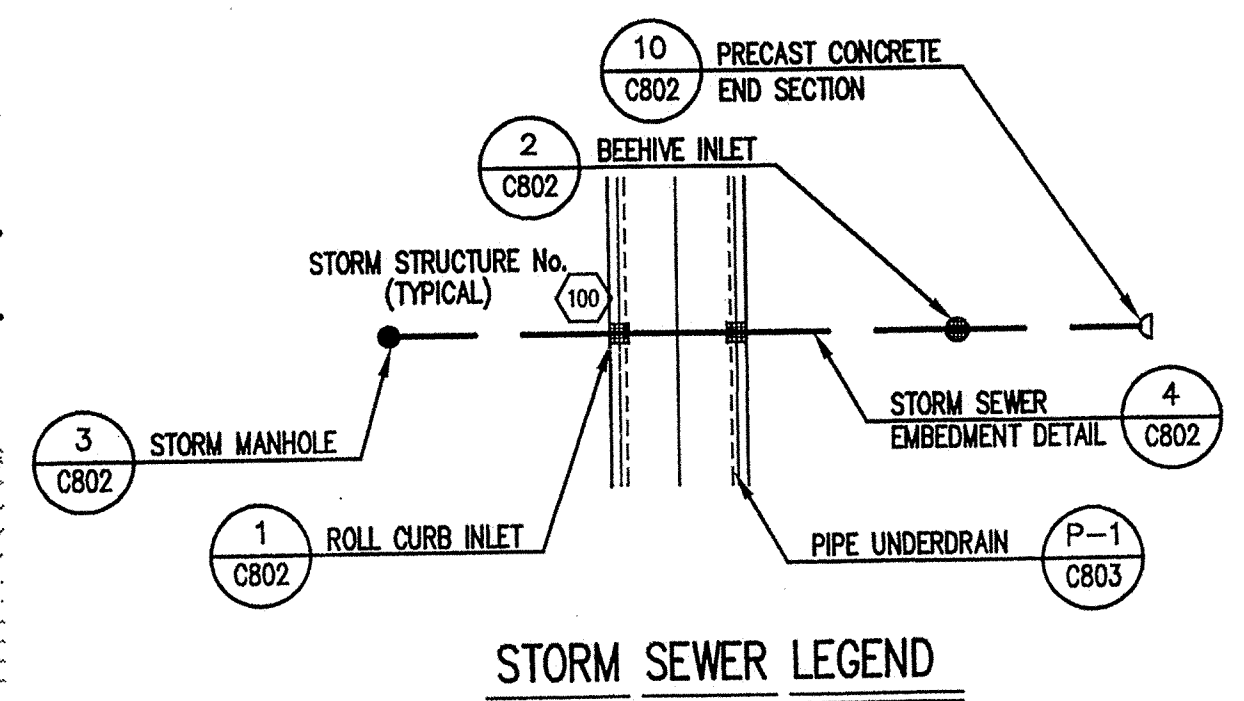
	Existing Grade
	New Grade
	Granular Backfill

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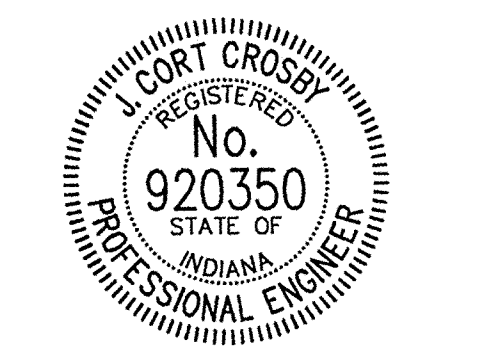
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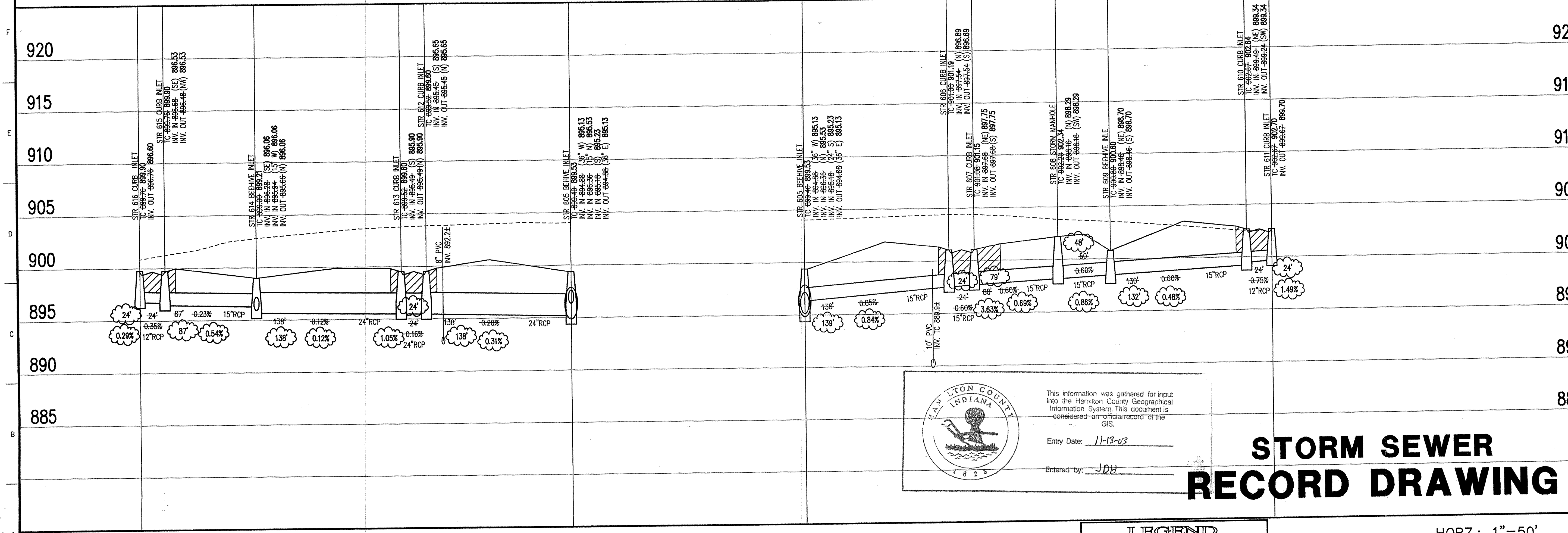
STORM SEWER PLAN

Date	Project No.	Drawn	Approv.
09/13/00	753.004	DRP	

Computer Files	Sheet No.
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STORM SEWER PLAN

SCALE: 1"=50'



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Entry Date: 11-13-03

Entered by: JCH

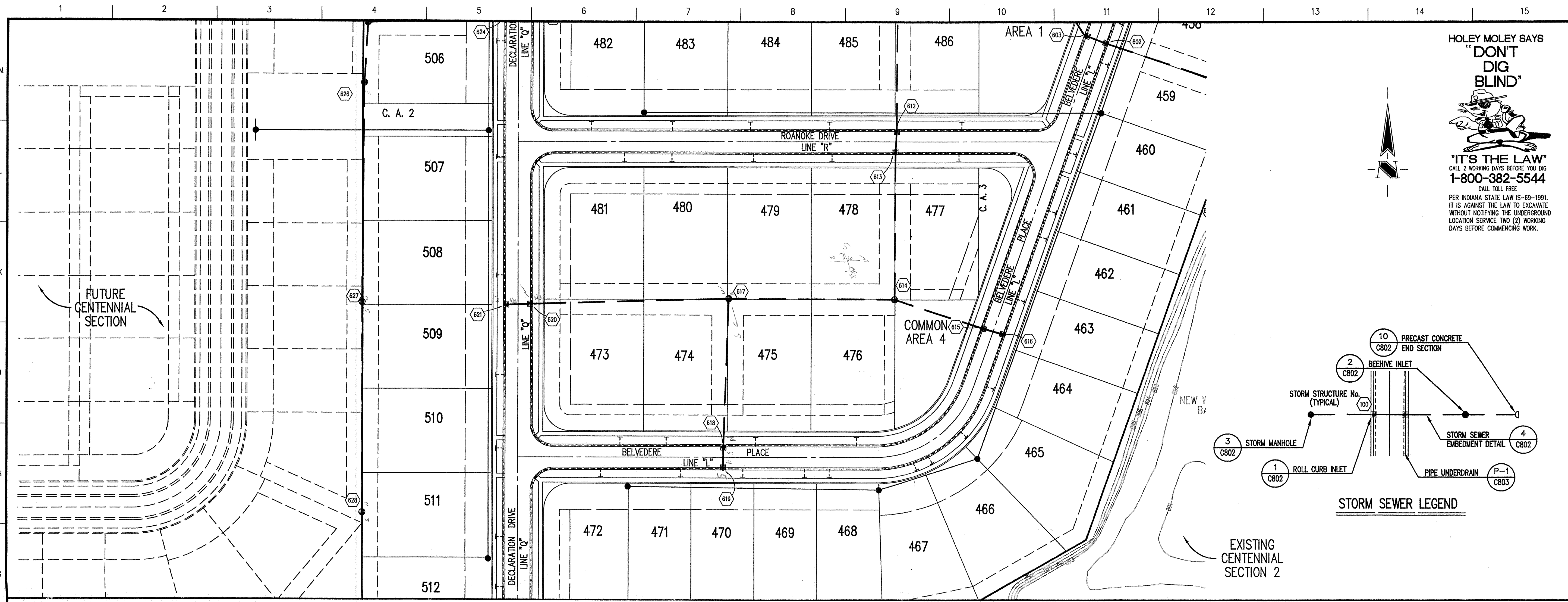
STORM SEWER RECORD DRAWING

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

LEGEND

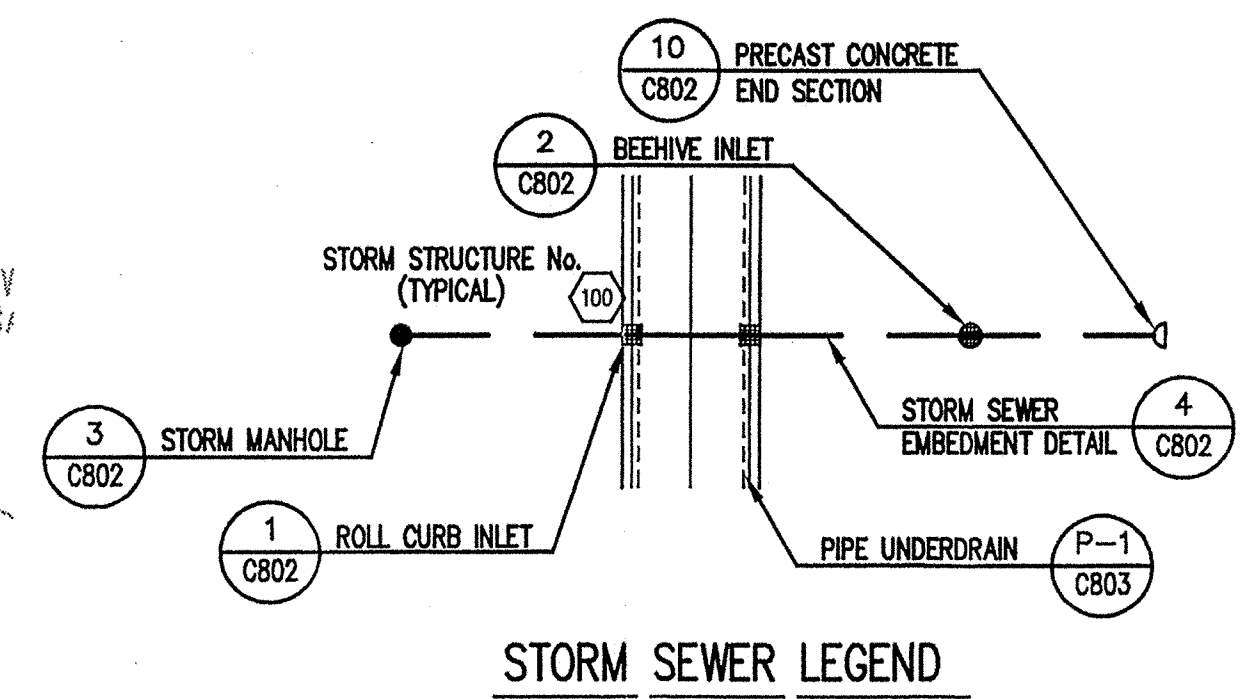
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	New Grade
	Granular Backfill

STORM SEWER PROFILE



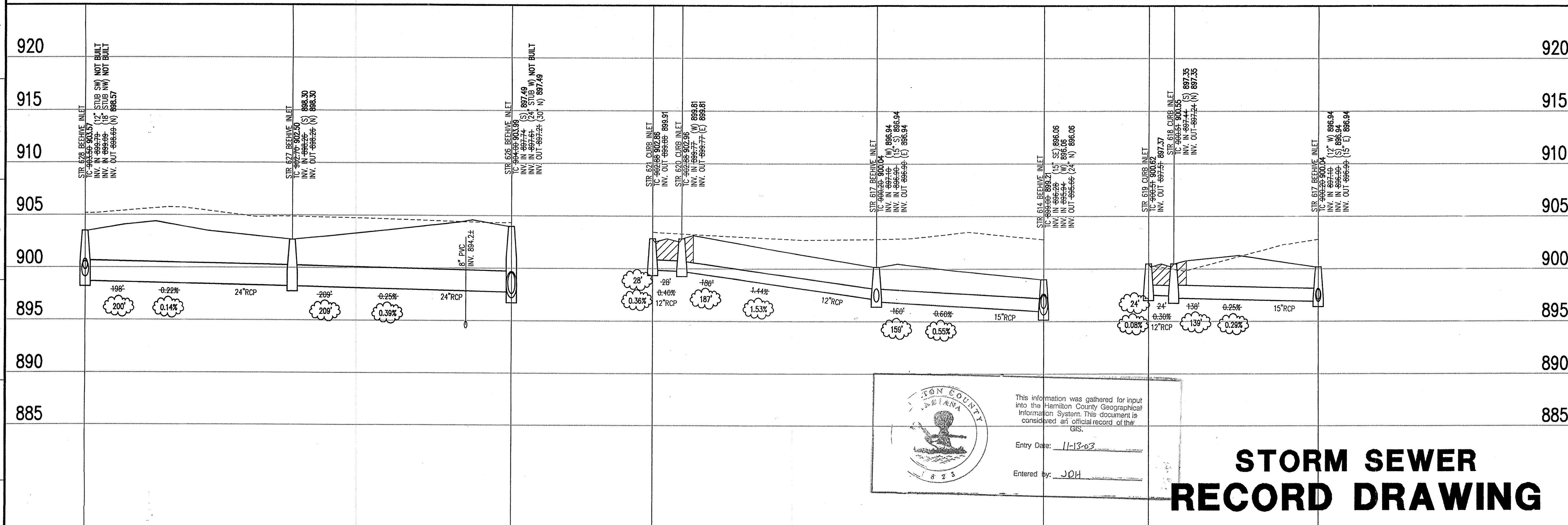
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STORM SEWER PLAN

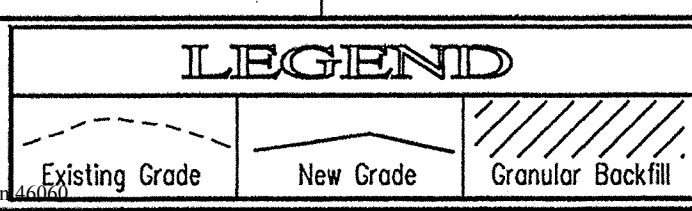
SCALE: 1"=50'



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 Entered by: JOH

**STORM SEWER
 RECORD DRAWING**

STORM SEWER PROFILE



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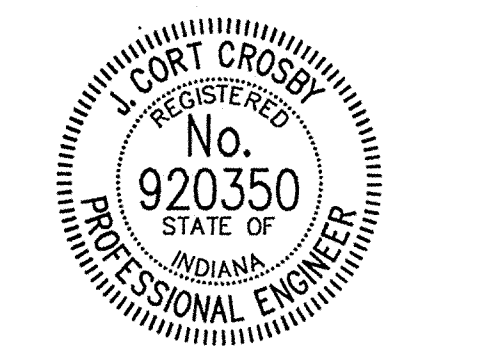
BENCHMARK

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. PRC 10/19/00 ADDED SDDS TEES AT FRONT OF ALL LOTS & REMOVED REAR YARD SDDS.
 2. DRP 04/19/01 STORM SEWER RECORD DRAWING.

CERTIFICATION FOR
 "RECORD DRAWING"

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



CERTIFIED BY *J. Cort Crosby*
 4/30/01

THIS DRAWING AND THE IDEAS, DESIGNS AND CONCEPTS CONTAINED HEREIN ARE THE EXCLUSIVE INTELLECTUAL PROPERTY OF THE SCHNEIDER CORPORATION AND ARE NOT TO BE USED OR REPRODUCED IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF THE SCHNEIDER CORPORATION.
 2000, The Schneider Corporation

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ESTRIDGE DEVELOPMENT CO., INC.
 CENTENNIAL SECTION 4
 WESTFIELD, INDIANA
 STORM SEWER PLAN

Date	Project No.	Drawn	Approv.
09/13/00	753.004	DRP	
Computer Files		Sheet No.	
J:\753\004\DWG\C603 XREF: STORM XREF: 00485 XREF: J:\753\002\DWG\00285 XREF: J:\753\003\DWG\00385 XREF: J:\753\005\DWG\00585		FILED C603 09/13/00	