

Drain: ALBERT SHAW DRAIN Drain #: 70  
Improvement/Arm: CLAYBORNE-SECTION 1  
Operator: JDH Date: 6-14-04  
Drain Classification: Urban/Rural Year Installed: 2002

### GIS Drain Input Checklist

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

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

Drain-Improvement: ALBERT SHAW DRAIN - CLAYBURNE-SECTION 1

Drain Type:	Size:	Length <small>SURVEYED</small> <small>REPORT</small>	Length (DB Query)	Length Reconcile	Price:	Cost:
SSD	6"	8439'	8439'	Ø		
RCP	12"	2015'	2015'	Ø		
	15"	199'	199'	Ø		
	18"	226'	226'	Ø		
	24"	517'	517'	Ø		

Sum: 11,396' 11,396' Ø

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*

July 3, 2002

To: Hamilton County Drainage Board

Re: Albert Shaw Drain, Claybourne Section 1 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Claybourne Section 1 Arm, Albert Shaw 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 - 8,942 ft  
12" RCP - 2,009 ft

15" RCP - 197 ft  
18" RCP - 229 ft

24" RCP - 521 ft

The total length of the drain will be 11,898 feet.

The retention ponds (lakes) located in Block E and G are to be considered part of the regulated drain. The maintenance of the ponds (lakes) will be the responsibility of the Homeowners Association. The Board will retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs. Only the main SSD lines, which are located within the right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

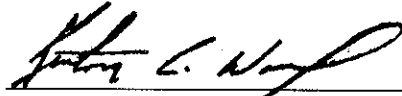
I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$10.00 per acre, \$10.00 per acre for roadways, with a \$45.00 minimum lot/tract rate. With this assessment the total annual assessment for this drain/this section will be \$2,999.70.

Parcels assessed for this drain may be assessed for the Boone Creek Drain 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 Claybourne Section 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for August 26, 2002.



Kenton C. Ward  
Hamilton County Surveyor

KCW/llm

**Albert Shaw Drain – Claybourne Section 1**

Bonds: B21856970 = \$540,182.00  
B21856968 = \$ 71,425.00  
Total \$611,607.00

Total bond amount split 4 ways:

Claybourne Section 1 Arm	11,396'
Claybourne Section 1 Relocation	3,682'
Shelbourne Estates Arm	11,974'
Shelbourne Estates Reconstruction	<u>702'</u>
 Total Footage	 27,754'

Claybourne Section 1 Arm:  
 $11396 / 27754 = 0.4106 = 41.1\%$

Claybourne Section 1 Relocation:  
 $3682 / 27754 = 0.1327 = 13.3\%$

Shelbourne Estates Arm:  
 $11974 / 27754 = 0.4314 = 43.1\%$

Shelbourne Estates Reconstruction:  
 $702 / 27754 = 0.02529 = 2.5\%$

$41.1 + 13.3 + 43.1 + 2.5 = 100$

Cost Per Improvement:

Claybourne Section 1 Arm:  
 $611607 * 41.1\% = \$251,370.48$

Claybourne Section 1 Relocation:  
 $611607 * 13.3\% = \$81,343.73$

Shelbourne Estates Arm:  
 $611607 * 43.1\% = \$263,602.62$

Shelbourne Estates Reconstruction:  
 $611607 * 2.5\% = \$15,290.17$

$\$251,370.48 + \$81,343.73 + \$263,602.62 + \$15,290.17 = \$611,607.00$

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: CLAYBOURNE, SECTION 1

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 conformity with all plans and specifications .

Signature: J. Cort Crosby Date: 11/21/02

Type or Print Name: J. CORT CROSBY

Business Address: 8901 OTIS AVE.

INDIANAPOLIS, IN 46216

Telephone Number: 317 826-7306

SEAL



INDIANA REGISTRATION NUMBER

920350

Revised 10/95

FILED

NOV 22 2002



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

April 2, 2004

Re: Albert Shaw Drain: Clayborne Sec. 1 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Clayborne Sec. 1. 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 July 3, 2002. The report was approved by the Board at the hearing held August 26, 2002. (See Drainage Board Minutes Book 6, Pages 419-420)

The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Grade:	Original:	Difference:	
183	910.29	907.64						
182	911.89	907.27	12	177	0.21	175	2	✓
161	912.51	910.37						
160	912.66	909.44	12	136	0.68			✓
160	912.66	909.44						
159	912.73	909.13	12	30	1.03			✓
159	912.73	909.13						
158	912.94	906.96	12	148	1.47	146	2	✓
165	913	911.08						
164	915	910.29	12	53	1.49	54	-1	✓
164	915	910.29						
163	915.04	909.93	12	42	0.86			✓
163	915.04	909.93						
162	913.24	908.02	12	157	1.22			✓
178	913.77	911.53						
175	914.13	910.99	12	93	0.58	92	1	✓
177	915.76	912.83						
176	915.9	912.38	12	42	1.07			✓
176	915.9	912.38						
175	914.13	911.22	12	123	0.94	125	-2	✓
175	914.13	910.34						
174	915.6	910.26	12	141	0.48	140	1	✓

174	915.6	910.26						
173	915.55	910	12	30	0.87			
173	915.55	910						
172	917.82	909.64	15	83	0.31	81		2
172	917.82	909.64						
170	914	909.04	15	116	0.52			
170	914	908.99						
167	914.75	908.45	18	78	0.69	80		-2
167	914.75	908.45						
166	914.48	907.44	18	148	0.68	149		-1
166	914.48	907.44						
162	913.24	907.02	24	239	0.18			
162	913.24	907.02						
158	912.94	906.68	24	68	0.5	69		-1
158	912.94	906.68						
157	912.57	906.29	24	132	30	131		1
157	912.57	906.29						
156	912.54	906.16	24	30	0.43			
156	912.54	906.16						
155		905.84	24	48	0.67	52		-4
171	914.09	911.35						
170	914	909.27	12	167	1.25	166		1
169	915.16	911.84						
168	915.13	911.61	12	42	0.55			
168	915.13	911.61						
167	914.75	908.58	12	152	1.99			
194	914	911.38						
193	914.93	909.28	12	122	1.72	119		3
201	914.08	910.84						
200	914.09	910.49	12	30	1.17			
200	914.09	910.49						
199	914.08	909.36	12	142	0.8			
204	914.61	911.44						
203	914.58	911.17	12	30	0.9			
203	914.58	911.17						
202	914.31	910.35	12	158	0.52	159		-1

<b>6" SSD Streets:</b>	
Antonia	1109.67
Feetan	565.5
Haskell	731.81
Kegler	791.64
Teague	490.3
Lanana	530.58
x2	
<b>Total:</b>	<b>8439</b>

<b>RCP Pipe Totals:</b>	
12	2,015
15	199
18	226
24	517
<b>Total:</b>	<b>2,957</b>

The length of the drain due to the changes described above is now **11,396 feet**.



The non-enforcement was approved by the Board at its meeting on August 26, 2002 and recorded under instrument #200300011399.

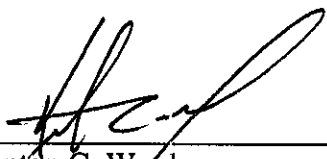
The following sureties were guaranteed by Scheer's, Inc. and released by the Board on its February 23, 2004 meeting.

**Bond-LC No:** B21856970  
**Insured For:** Storm Sewers  
**Amount:** \$540,182  
**Issue Date:** May 24, 2002

**Bond-LC No:** B21856968  
**Insured For:** Erosion Control  
**Amount:** \$71,425  
**Issue Date:** May 24, 2002

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

Sincerely,

---

Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm

# SUB-SURFACE DRAIN RECORD DRAWING

LAKE # 4  
NORMAL POOL ELEV=908.50  
100 YEAR ELEV=911.11  
BLOCK "G"  
COMMON AREA

**LAKE LINER NOTE**

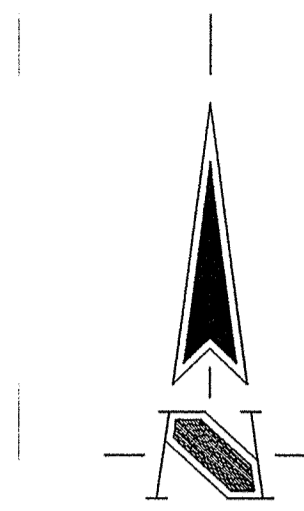
At the request of the owner (client) no soil borings were performed in the lake area(s). In the absence of subsurface information, the owner must recognize that water level fluctuations of several feet may occur within the lake(s). It may be necessary to construct a liner to seal the more permeable sandy clays and sand seams which may be present at a shallow depth within the side slope or bottom of the excavation. In the event that construction of a liner becomes necessary, Contact the engineer and owner.

HOLEY MOLEY SAYS  
**"DON'T DIG BLIND"**



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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'

**BENCHMARK**

BM- DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED "LEE 2 1989" AT THE SOUTHEAST CORNER OF 131ST STREET AND SHELBORNE ROAD. ELEVATION= 915.619 (N.G.V.D. 1929 DATUM).

TM#1- R/R SPIKE AT NORTHEAST CORNER OF PROPERTY, APPROXIMATELY CENTERLINE OF THE NORTHBOUND LANE OF SHELBORNE ROAD. ELEVATION= 917.47 (N.G.V.D. 1929 DATUM).

TM#2- BOAT SPIKE SOUTH SIDE OF A POWER POLE ±13' WEST OF THE CENTERLINE OF SHELBORNE ROAD AND ±11' NORTH OF THE CENTERLINE OF 126TH STREET. ELEVATION=917.30 (N.G.V.D. 1929 DATUM).

TM#3- MAG NAIL WITH "TSC" RANDOM WASHER, NEAR DRIVE RUNNING SOUTH FROM THE SOUTH LINE OF THE PROPERTY AT THE WEST END OF ASPHALT DRIVE. ELEVATION=911.82 (N.G.V.D. 1929 DATUM).

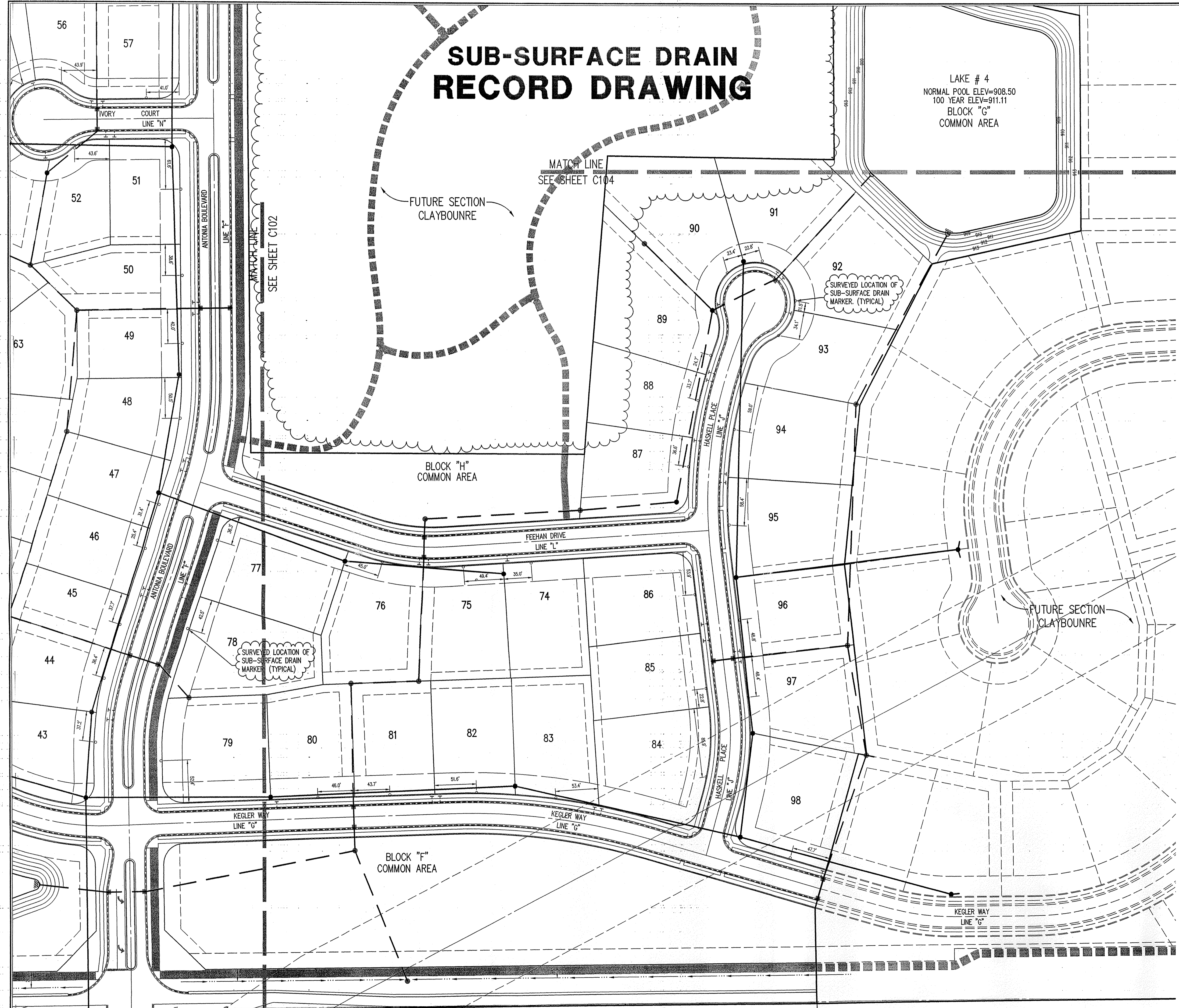
**LEGEND**

	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
	6" Subsurface Drain W/ 4" Tee service
	Fire Hydrant W/waterline
	Denotes Minimum Flood Protection Grade

**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 OR 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 COUNTY SURVEYOR SHALL APPLY FOR ALL STORM SEWERS.
- ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
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- 4' CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
- 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.

**NOTE:**  
FOR STRUCTURE DATA  
TABLES SEE SHEET C105.



REVISIONS:  
1. PER 05/09/02 ADDED FLOOD ROUTING ADJUST LANS OWNERS. REV. ENTRANCES & STN 180 TO 181. ALSO REV. LANS ON 131ST STREET & ADDED STRIKES TO 131ST.  
2. PER 06/13/02 REVISE MANY NOTES ON PAVEMENT AND ROAD IMPROVEMENTS FOR 131ST. REVISE NOTES ON 131ST STREET TO REFLECT REVISIONS TO 131ST STREET. REVISE NOTES ON 131ST STREET TO REFLECT REVISIONS TO 131ST STREET. REVISE NOTES ON 131ST STREET TO REFLECT REVISIONS TO 131ST STREET.  
3. PER 10/14/02 REVISED MOUNDING, LANDSCAPE WALLS AND SHELWALLS.

**CURT CROSS**  
REGISTERED  
No. 920350  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

*Curt Cross*  
DATE: 11/21/02

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**Schneider**

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**CLAYBOURNE SECTION 1**

CARMEL, INDIANA

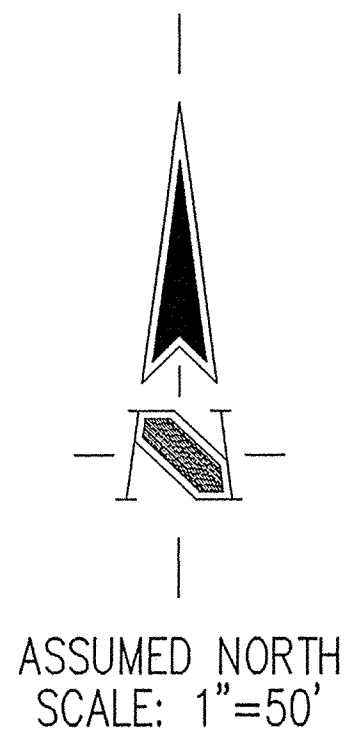
**BOOMBRANG DEVELOPMENT, LLC**  
PISHERS, INDIANA

DATE: 01/31/02 PROJECT NO.: 3690.001  
DRAWN BY: PRC CHECKED BY: JCC  
SHEET TITLE: STORM SEWER PLAN SUBSURFACE DRAIN LOCATIONS  
DRAWING FILES:  
R:\3690\001\DWG\C101XSRD  
XREF: 001S  
XREF: 001LS  
XREF: 369001T  
XREF: R:\3690\002\DWG\0022S

NOV 22 2002  
SHEET NO.: 3  
OFFICE OF HAMILTON COUNTY SURVEYOR

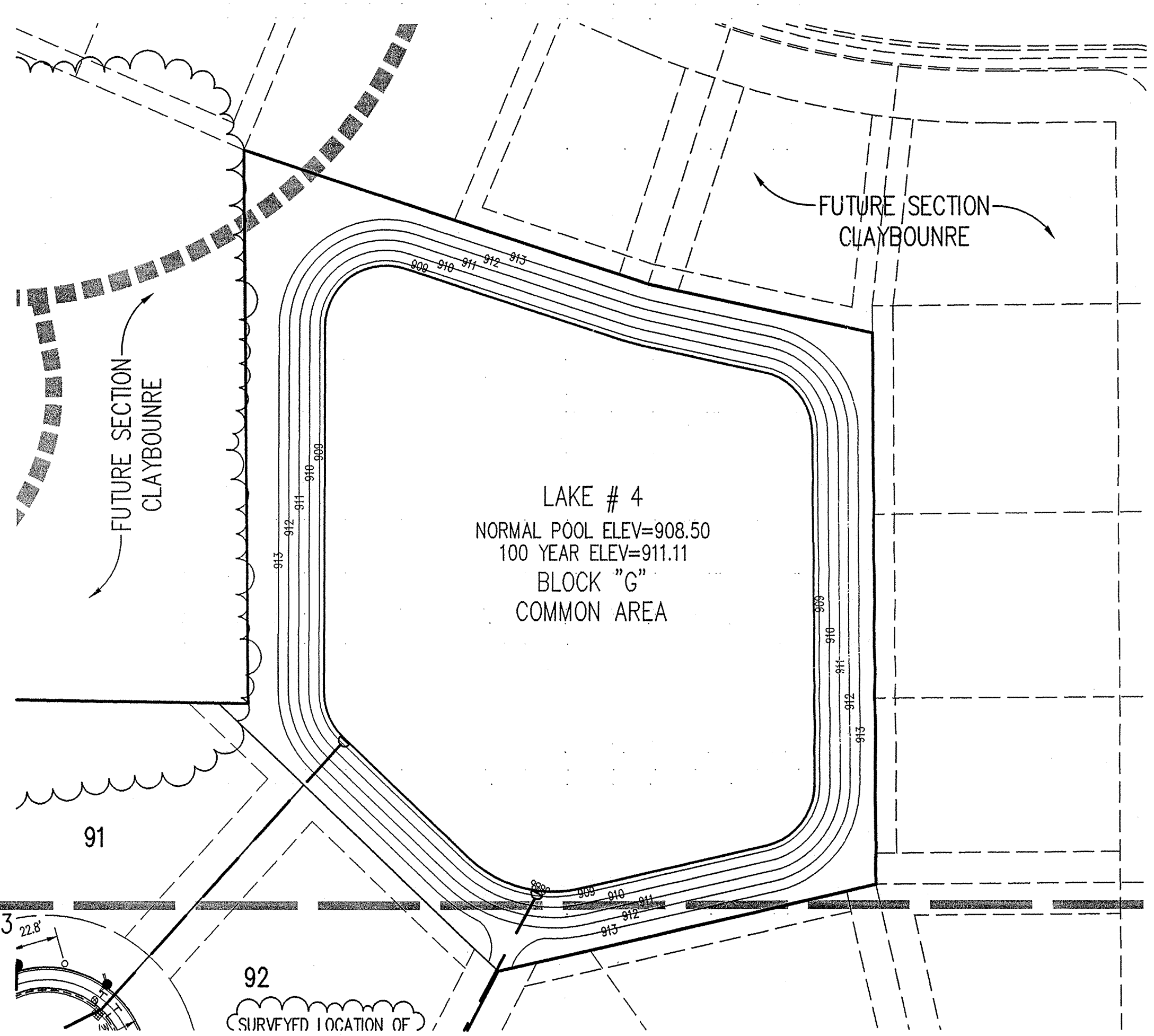
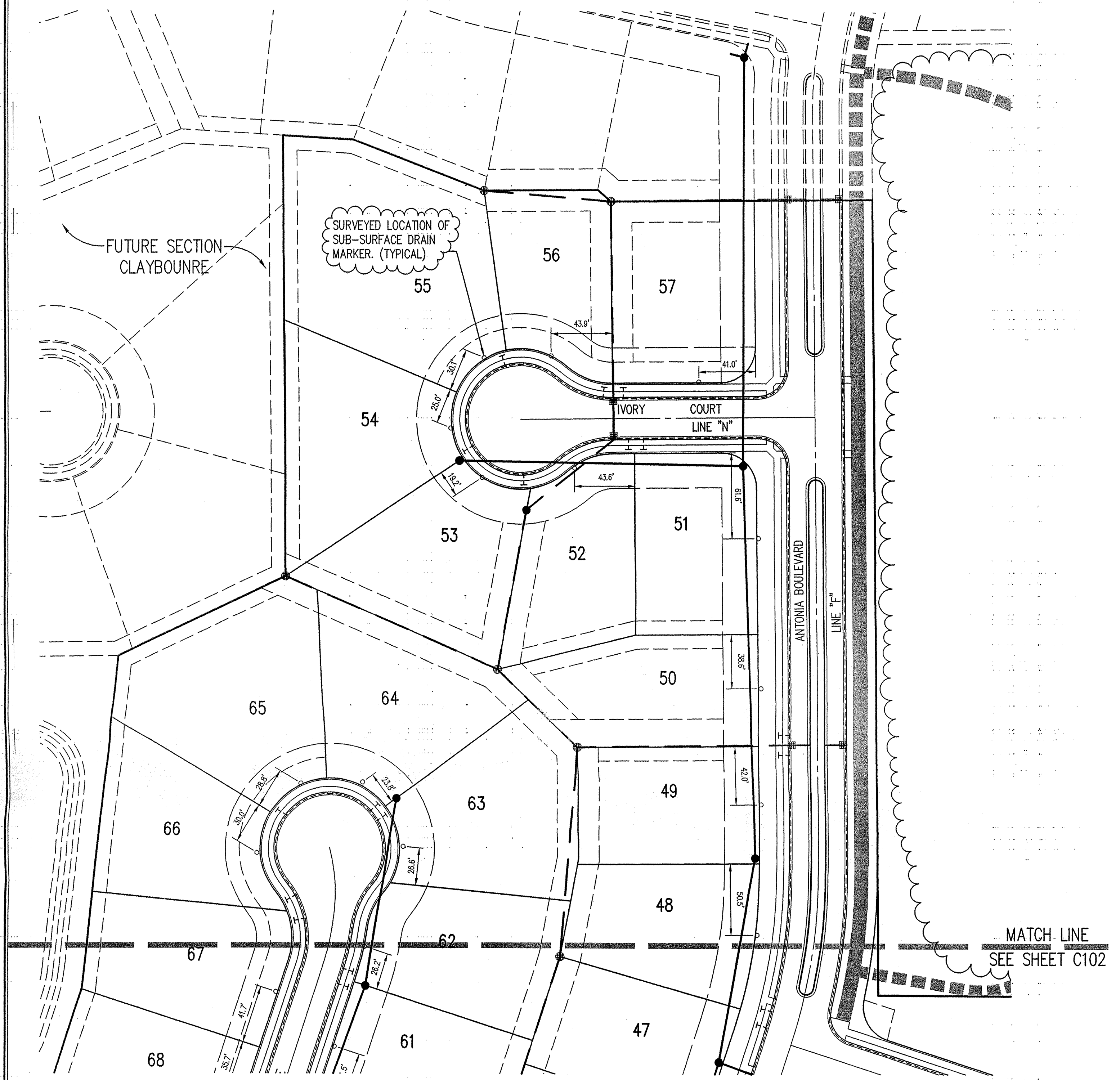
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**LEGEND**

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- Existing Sanitary Sewer
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- Existing Contour
- New Pavement Grade
- All Other Finish Grades
- Storm Structure Number
- Sanitary Structure Number
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- Denotes Elevation and Approximate Pad Size
- 6" Subsurface Drain W/ 4" Tee service
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MFPG=000.0

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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.

**UTILITIES**

<b>GAS</b>	<b>ELECTRIC</b>
Vectren 1630 North Meridian Street P.O. Box 312 Indianapolis, Indiana 46207 (317) 592-4500	Cherry/P. S. I. 100 Mill Creek Road P.O. Box 312 Noblesville, Indiana 46061 (800) 521-2332
<b>TELEPHONE</b>	<b>STORM SEWER</b>
Ameritech Indiana Corporation 220 North Meridian Street Indianapolis, Indiana 46204 (800) 742-6771	Hamilton County Drainage Board One Hamilton County Square, Suite 188 Noblesville, Indiana 46060 (317) 776-8495
<b>WATER</b>	<b>SANITARY SEWERS</b>
Carmel City Utilities 1 Civic Square Carmel, Indiana 46032 (317) 571-2442	Coy Township Regional Waste District 10701 North College Avenue, Suite A Indianapolis, Indiana 46240 (317) 844-9200
<b>STREETS</b>	<b>CABLE TELEVISION</b>
Hamilton County Highway Department 1770 South 10th Street Noblesville, Indiana 46060 (317) 773-7770, (317) 773-1282	Time Warner 516 East Carmel Drive Carmel, Indiana 46032 (317) 972-9700
Utility Hotline: within Indiana 1-800-382-5544 outside Indiana 1-800-428-5200	

FILE  
NOV 22 2002  
OFFICE OF HAMILTON COUNTY SURVEYOR

REVISIONS:  
1. PER 05/07/02 ADDED FLOOD ROUTING TRASH GUARD NOTE & SSIS TEES TO EACH LOT.  
2. PER 10/17/02 REVERSED MOUND, LANDSCAPE WALLS AND SIDEWALKS.

CURT CROBY  
REGISTERED  
No. 920350  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

*C. Croby*  
DATE: 11/21/02

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**Schneider**

THE SCHNEIDER CORPORATION  
Historic Fort Harrison  
8901 Otis Avenue  
Indianapolis, IN 46216-1037  
Telephone: 317.826.7100  
Fax: 317.826.7200  
www.schneidercorp.com

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Civil Engineering  
Environmental Engineering  
Geotechnical Services  
GIS + LIS  
Home Builder Services  
Interior Design  
Land Surveying  
Landscape Architecture  
Transportation Engineering

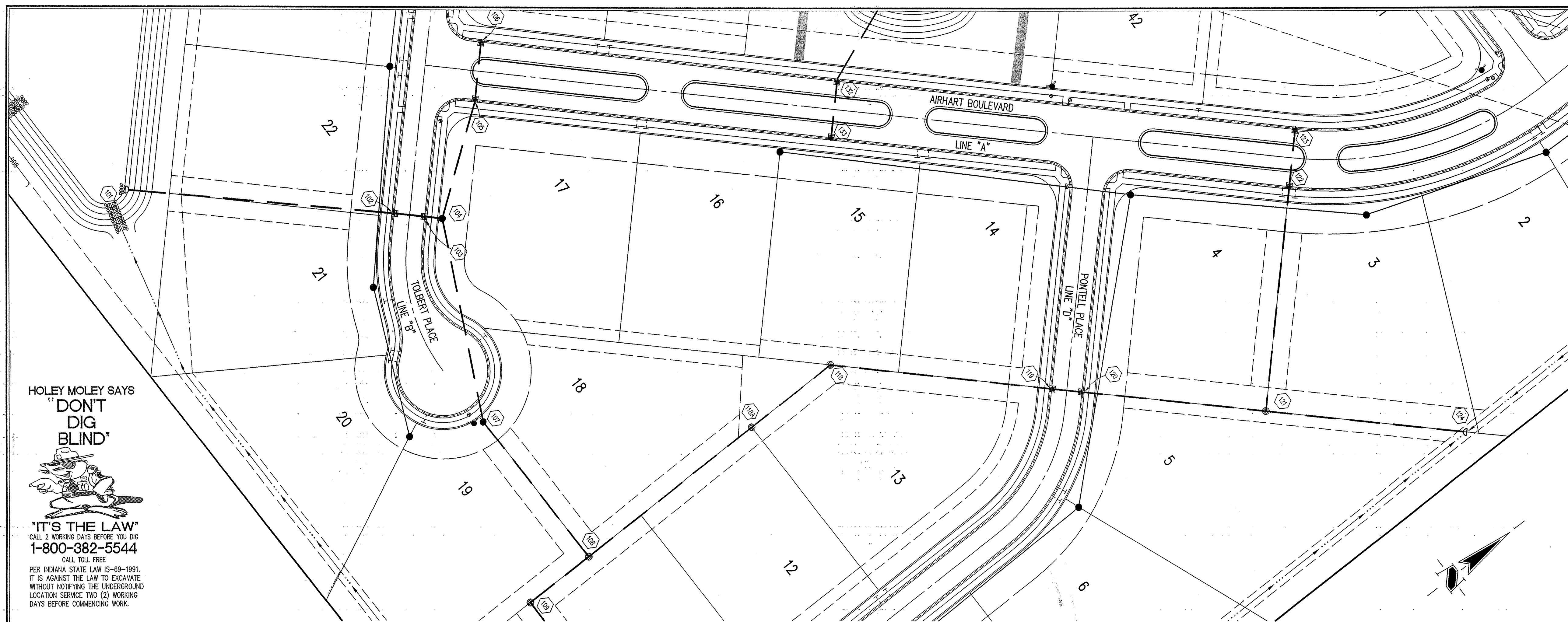
CLAYBOURNE SECTION 1

CARMEL, INDIANA

BOOMERANG DEVELOPMENT, LLC  
FISHERS, INDIANA

DATE: 01/31/02 PROJECT NO: 3690.001  
DRAWN BY: PRC CHECKED BY: JCC  
SHEET TITLE: STORM SEWER PLAN  
SUBSURFACE DRAIN LOCATIONS  
DRAWING FILES:  
R:\3\3690\001\DWG\C101XSRD  
XREF: 001BS  
XREF: 001LBS  
XREF: 3690DOT  
XREF: R:\3\3690\002\DWG\002BS

SHEET NO: 4



**GENERAL NOTES**

1. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
2. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
4. CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.

**BENCHMARK**

BM- DEPARTMENT OF NATURAL RESOURCES BRASS DISK, STAMPED "LEE 2 1989" AT THE SOUTHEAST CORNER OF 131ST STREET AND SHELBORNE ROAD. ELEVATION= 915.619 (N.G.V.D. 1929 DATUM).

TM#1- R/R SPIKE AT NORTHEAST CORNER OF PROPERTY, APPROXIMATELY CENTERLINE OF THE NORTHBOUND LANE OF SHELBORNE ROAD. ELEVATION= 917.47 (N.G.V.D. 1929 DATUM).

TM#2- BOAT SPIKE SOUTH SIDE OF A POWER POLE ±13' WEST OF THE CENTERLINE OF SHELBORNE ROAD AND ±11' NORTH OF THE CENTERLINE OF 126TH STREET. ELEVATION=917.30 (N.G.V.D. 1929 DATUM).

TM#3- MAG NAIL WITH "TSC" RANDOM WASHER, NEAR DRIVE RUNNING SOUTH FROM THE SOUTH LINE OF THE PROPERTY AT THE WEST END OF ASPHALT DRIVE. ELEVATION=911.82 (N.G.V.D. 1929 DATUM).

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CALL TOLL FREE  
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IT IS AGAINST THE LAW TO EXCAVATE  
WITHOUT NOTIFYING THE UNDERGROUND  
LOCATION SERVICE TWO (2) WORKING  
DAYS BEFORE COMMENCING WORK.

Sheet	Detail Number	Description
C601	4	Bedding Detail - Reinforced Concrete Pipe (RCP)
C602	1	Roll Curb Inlet Detail
C602	2	Beehive Inlet Detail
C602	3	Storm Manhole Detail
C602	6	Precast Concrete End Section
C604	94-10	RipRap Detail @ End Section

**LEGEND/DETAILS**

**NOTE**

REVISIONS:  
1. DWP 5/10/02 REVISED BOULEVARD STREET NAME  
2. DWP 10/14/02 REVISED SEWEMANS.

REGISTERED PROFESSIONAL ENGINEER  
No. 920350  
STATE OF INDIANA  
DATE: 11/7/02  
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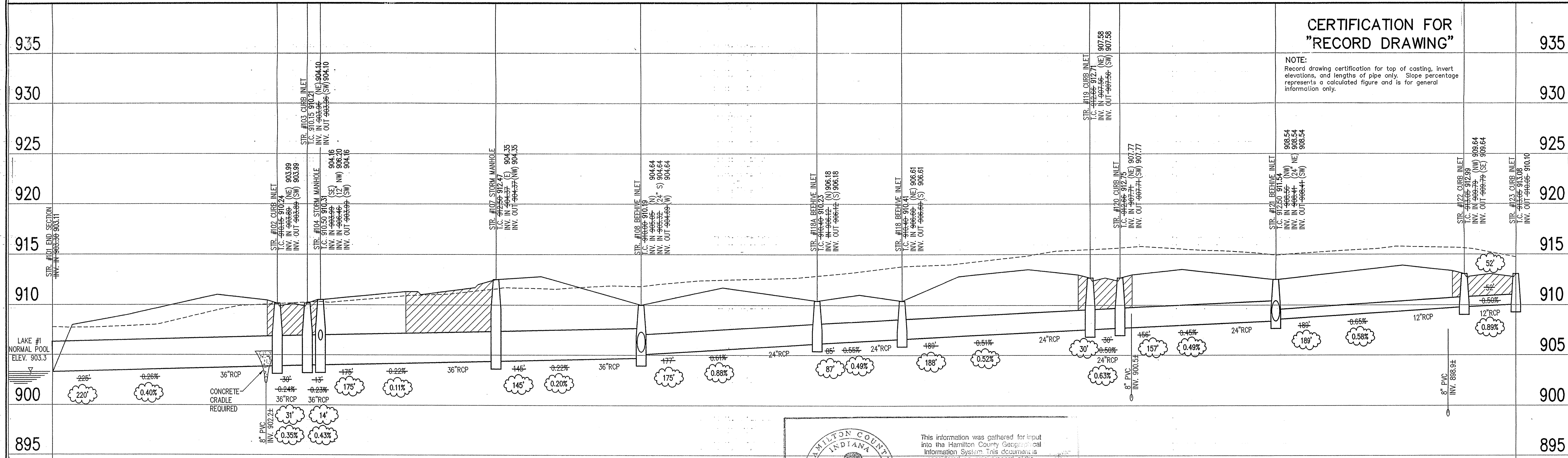
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Transportation Engineering

**STORM SEWER PLAN**

SCALE: 1"=50'



**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.

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: 6-11-04

Entered by: JOH

**STORM SEWER RECORD DRAWING**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

**STORM SEWER PROFILE**

**CLAYBOURNE SECTION 1**

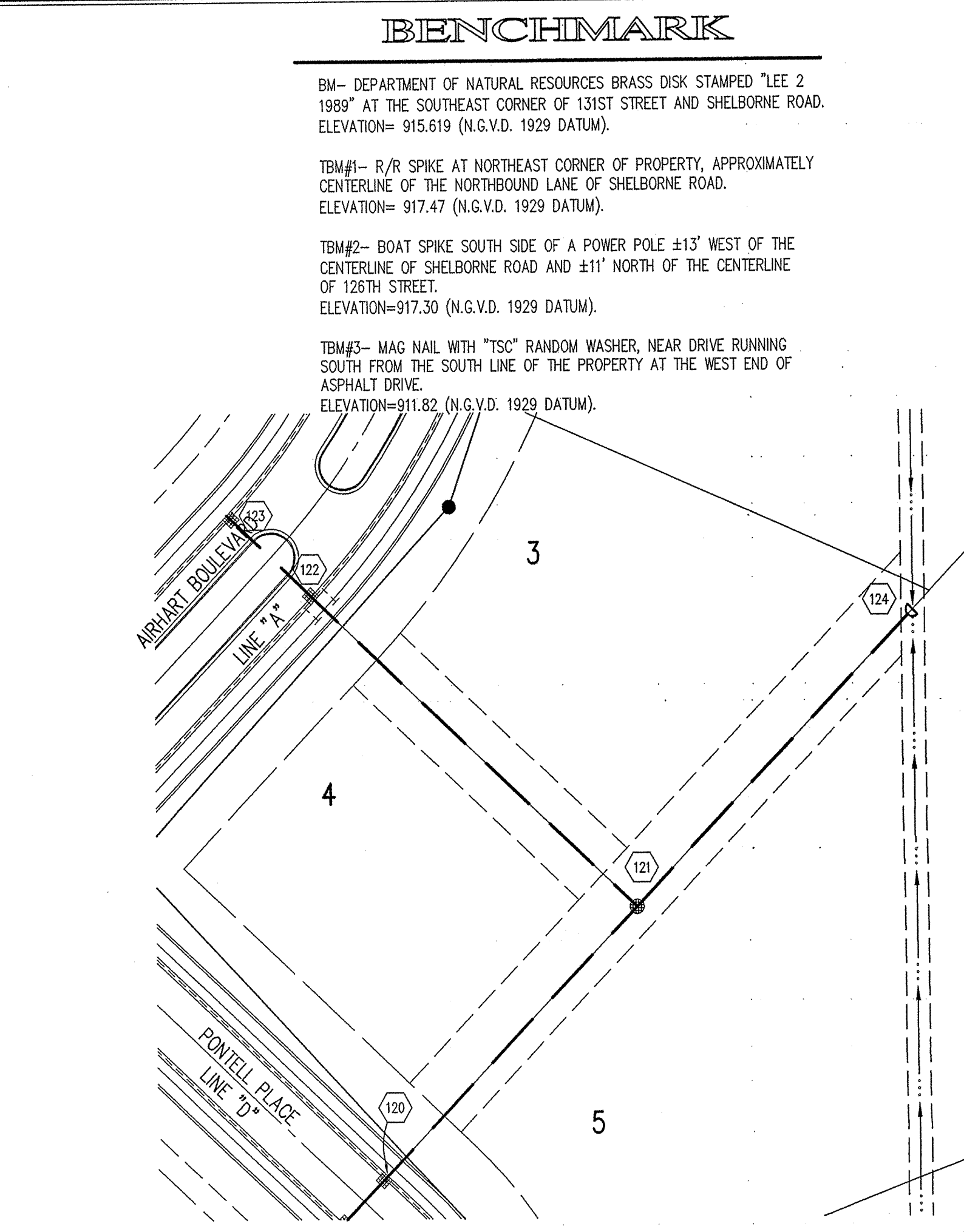
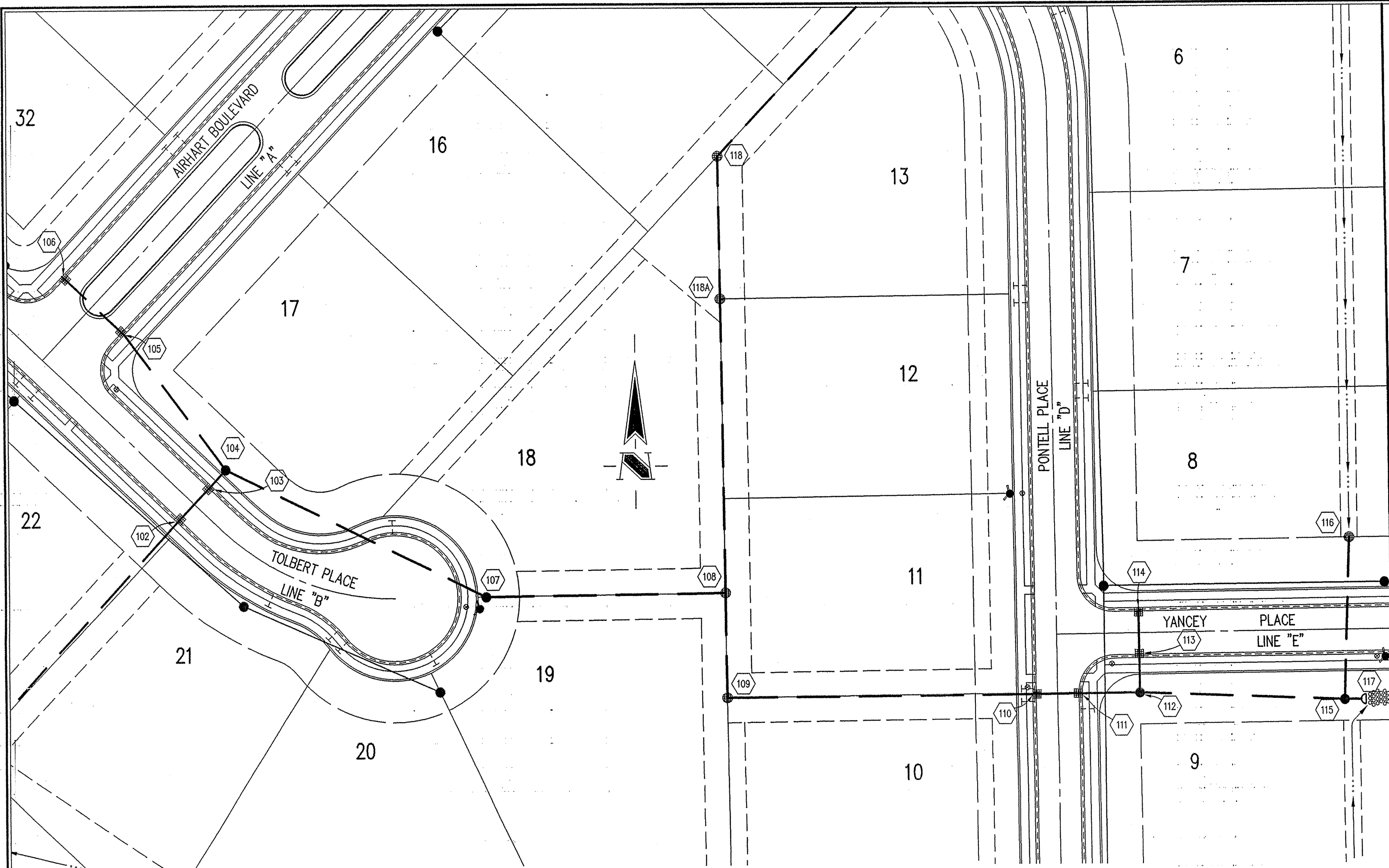
CARMEL, INDIANA

**BOOMERANG DEVELOPMENT, LLC**  
FISHERS, INDIANA

DATE: 01/31/02 PROJECT NO.: 3690.001  
DRAWN BY: DRP CHECKED BY: JCC  
SHEET TITLE: STORM SEWER PLAN  
DRAWING FILES:  
R:\3690\001\DWG\C601  
XREF: R:\3690\001\DWG\STORM  
XREF: R:\3690\001\DWG\0005  
XREF: R:\3690\001\DWG\0025

NOV 22 2002  
OFFICE OF HAMILTON COUNTY CLERK

SHEET NO.: **C601**



**BENCHMARK**

BM- DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED "LEE 2 1989" AT THE SOUTHEAST CORNER OF 131ST STREET AND SHELBORNE ROAD. ELEVATION= 915.619 (N.G.V.D. 1929 DATUM).

TM#1- R/R SPIKE AT NORTHEAST CORNER OF PROPERTY, APPROXIMATELY CENTERLINE OF THE NORTHBOUND LANE OF SHELBORNE ROAD. ELEVATION= 917.47 (N.G.V.D. 1929 DATUM).

TM#2- BOAT SPIKE SOUTH SIDE OF A POWER POLE ±13' WEST OF THE CENTERLINE OF SHELBORNE ROAD AND ±11' NORTH OF THE CENTERLINE OF 126TH STREET. ELEVATION=917.30 (N.G.V.D. 1929 DATUM).

TM#3- MAG NAIL WITH "TSC" RANDOM WASHER, NEAR DRIVE RUNNING SOUTH FROM THE SOUTH LINE OF THE PROPERTY AT THE WEST END OF ASPHALT DRIVE. ELEVATION=911.82 (N.G.V.D. 1929 DATUM).

**GENERAL NOTES**

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DAYS BEFORE COMMENCING WORK.

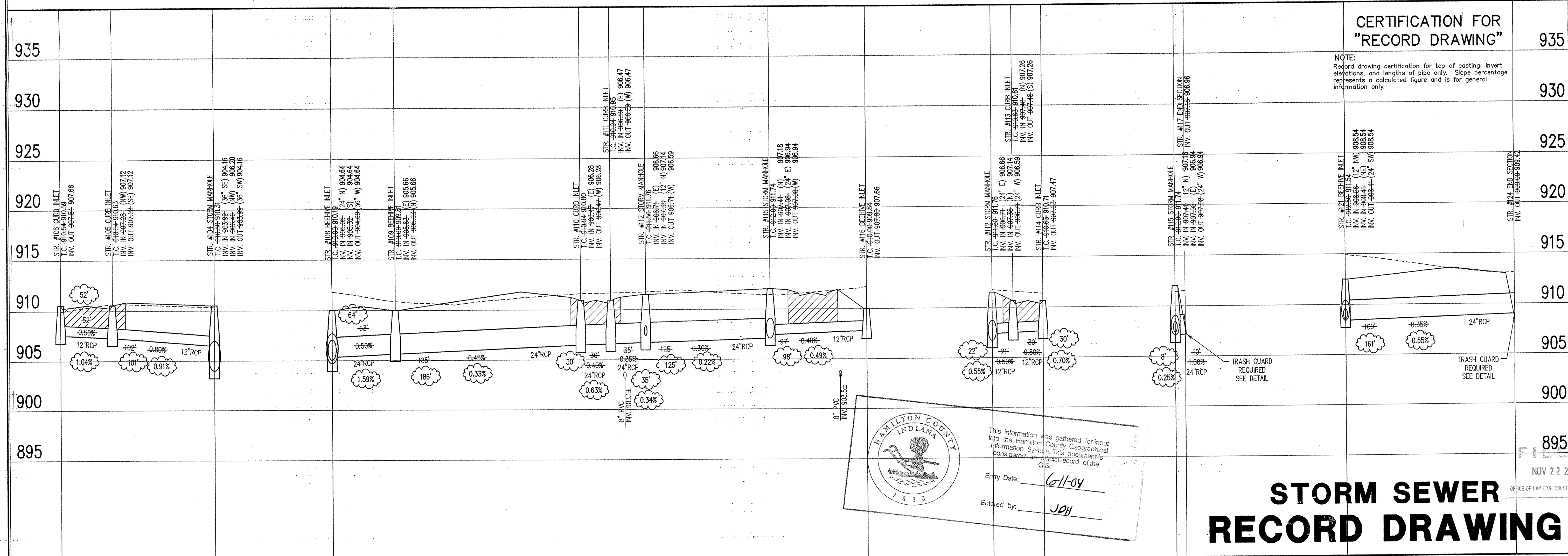
**LEGEND/DETAILS**

Sheet	Date	Description
C802 4		Bedding Detail - Reinforced Concrete Pipe (RCP)
C802 1		Roll Curb Inlet Detail
C802 2		Beehive Inlet Detail
C802 3		Storm Manhole Detail
C802 6		Precast Concrete End Section
C804 94-10		RipRap Detail @ End Section

**NOTE**

**STORM SEWER PLAN**

SCALE: 1"=50'



**CERTIFICATION FOR "RECORD DRAWING"**

NOTE:  
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HAMILTON COUNTY INDIANA  
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Entry Date: 6/11/04  
Entered by: JPH

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

**STORM SEWER RECORD DRAWING**

**STORM SEWER PROFILE**

REVISIONS:  
1. REVISED SHELBORNE STREET NAME, ADDED TRASH GUARD LABEL.  
2. DPC 10/14/02 REVISED SIZES.

LCORT CROSS REGISTERED No. 920350 STATE OF INDIANA PROFESSIONAL ENGINEER  
DATE: 11/11/02  
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**CLAYBOURNE SECTION 1**  
CARMEL, INDIANA  
**BOOMERANG DEVELOPMENT, LLC**  
FISHERS, INDIANA

DATE: 01/31/02	PROJECT NO.: 3690.001
DRAWN BY: DRP	CHECKED BY: JCC
SHEET TITLE: STORM SEWER PLAN	
DRAWING FILES: R:\3690\001\DWG\S601 R:\3690\001\DWG\S602 R:\3690\001\DWG\S603 R:\3690\001\DWG\S604 R:\3690\001\DWG\S605 R:\3690\001\DWG\S606 R:\3690\001\DWG\S607 R:\3690\001\DWG\S608 R:\3690\001\DWG\S609 R:\3690\001\DWG\S610	

SHEET NO.: **C602**

**BENCHMARK**

BM- DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED "LEE 2 1889" AT THE SOUTHEAST CORNER OF 131ST STREET AND SHELBORNE ROAD. ELEVATION= 915.619 (N.G.V.D. 1929 DATUM).

TBM#1- R/R SPIKE AT NORTHEAST CORNER OF PROPERTY, APPROXIMATELY CENTERLINE OF THE NORTHBOUND LANE OF SHELBORNE ROAD. ELEVATION= 917.47 (N.G.V.D. 1929 DATUM).

TBM#2- BOAT SPIKE SOUTH SIDE OF A POWER POLE ±13' WEST OF THE CENTERLINE OF SHELBORNE ROAD AND ±11' NORTH OF THE CENTERLINE OF 126TH STREET. ELEVATION=917.30 (N.G.V.D. 1929 DATUM).

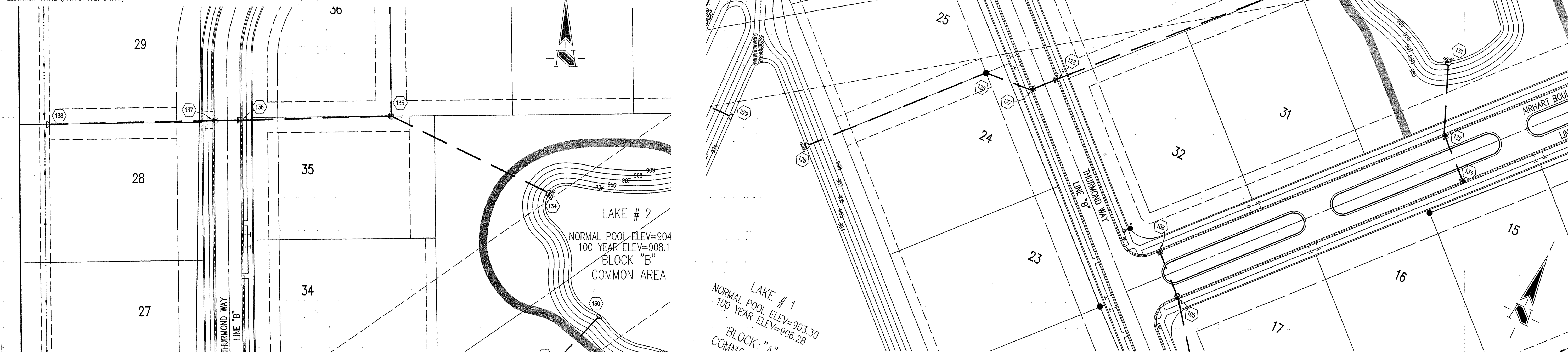
TBM#3- MAG NAIL WITH "TSC" RANDOM WASHER, NEAR DRIVE RUNNING SOUTH FROM THE SOUTH LINE OF THE PROPERTY AT THE WEST END OF ASPHALT DRIVE. ELEVATION=911.82 (N.G.V.D. 1929 DATUM).

**GENERAL NOTES**

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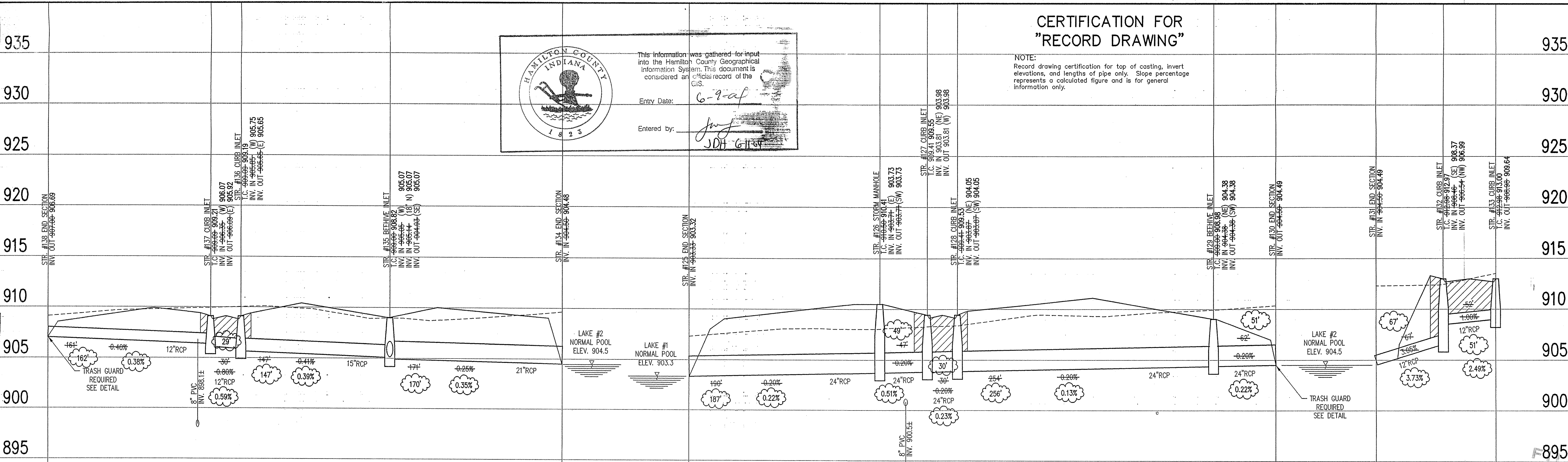
Sheet Number	Description
C802 4	Bedding Detail - Reinforced Concrete Pipe (RCP)
C802 1	Roll Curb Inlet Detail
C802 2	Beehive Inlet Detail
C802 3	Storm Manhole Detail
C802 6	Precast Concrete End Section
C804 94-10	RipRap Detail @ End Section

**LEGEND/DETAILS**



**STORM SEWER PLAN**

SCALE: 1"=50'



**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.

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Entry Date: 6-9-04

Entered by: J.D.H. G.H.

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

**STORM SEWER PROFILE**

REVISIONS:  
1. DRP 5/14/02 ADJUSTED LOCATION & INVERT OF STR. #131, REVERSED BOULEVARD STREET NAME.  
2. DRP 10/14/02 REVERSED SIDEWAYS.

**J. COURT CROSS**  
REGISTERED  
No. 920350  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

DATE: 11/21/02

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**CLAYBOURNE SECTION 1**

CARMEL, INDIANA  
**BOOMERANG DEVELOPMENT, LLC**  
FISHERS, INDIANA

DATE: 01/31/02 PROJECT NO.: 3690.001  
DRAWN BY: DRP CHECKED BY: JCC  
SHEET TITLE: STORM SEWER PLAN

NOV 22 2002  
OFFICE OF HAMILTON COUNTY

DRAWING FILES:  
R:\3K\3690\001\DWG\S\601  
XREF: R:\3K\3690\001\DWG\S\STORM  
XREF: R:\3K\3690\001\DWG\S\001B  
XREF: R:\3K\3690\001\DWG\S\002B

SHEET NO.: **C603**

**BENCHMARK**

BM- DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED "LEE 2 1989" AT THE SOUTHEAST CORNER OF 131ST STREET AND SHELBORNE ROAD. ELEVATION= 915.619 (N.G.V.D. 1929 DATUM).

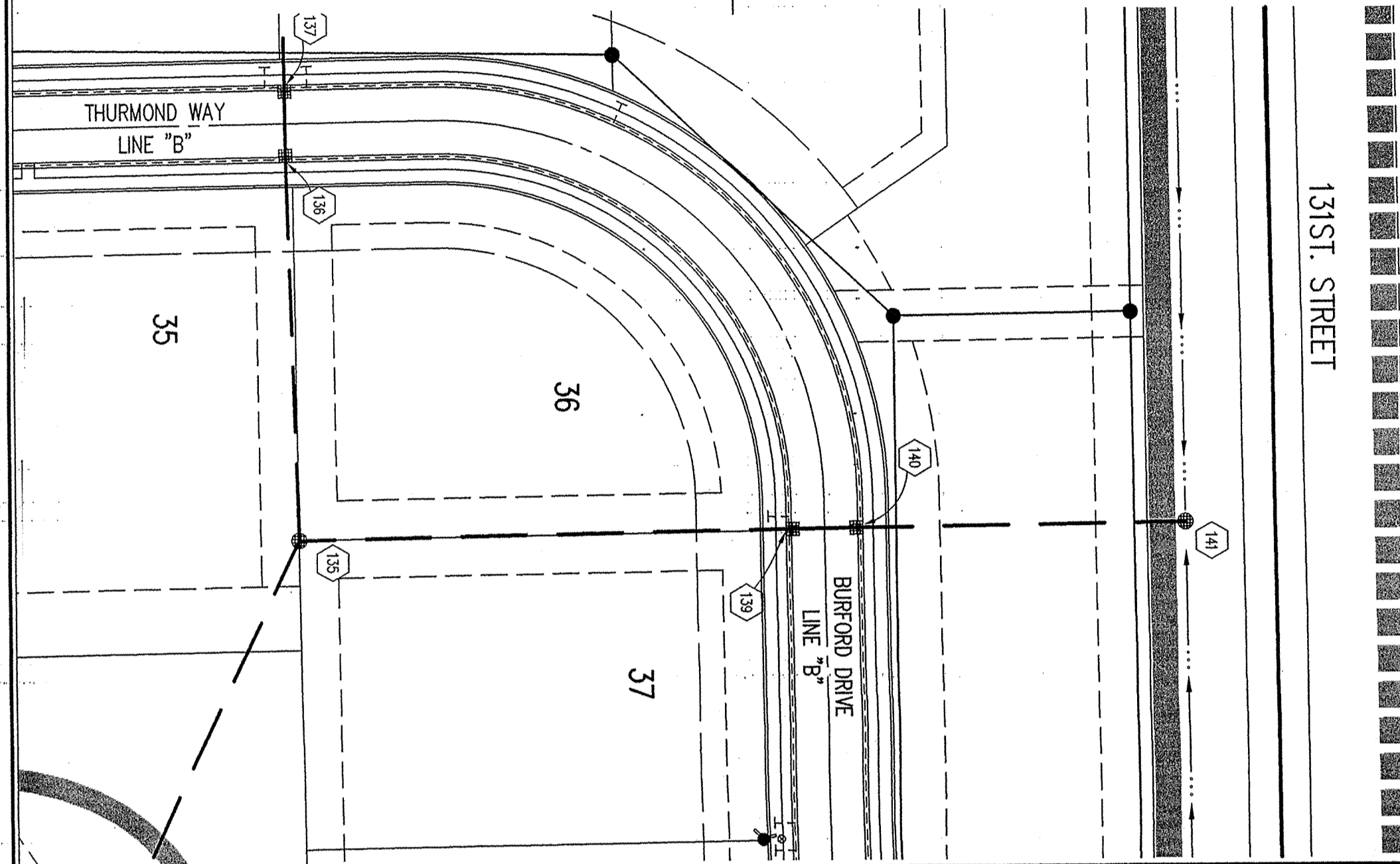
TBM#1- R/R SPIKE AT NORTHEAST CORNER OF PROPERTY, APPROXIMATELY CENTERLINE OF THE NORTHBOUND LANE OF SHELBORNE ROAD. ELEVATION= 917.47 (N.G.V.D. 1929 DATUM).

TBM#2- BOAT SPIKE SOUTH SIDE OF A POWER POLE ±13' WEST OF THE CENTERLINE OF SHELBORNE ROAD AND ±11' NORTH OF THE CENTERLINE OF 126TH STREET. ELEVATION=917.30 (N.G.V.D. 1929 DATUM).

TBM#3- MAG NAIL WITH "TSC" RANDOM WASHER, NEAR DRIVE RUNNING SOUTH FROM THE SOUTH LINE OF THE PROPERTY AT THE WEST END OF ASPHALT DRIVE. ELEVATION=911.82 (N.G.V.D. 1929 DATUM).

Sheet	Initial	Description
C802	4	Bedding Detail - Reinforced Concrete Pipe (RCP)
C802	1	Roll Curb Inlet Detail
C802	2	Beehive Inlet Detail
C802	3	Storm Manhole Detail
C802	6	Precast Concrete End Section
C804	94-10	RipRap Detail @ End Section

**LEGEND**



131ST STREET

BURFORD DRIVE

AIRPORT BOULEVARD

THURMOND WAY

COMMON AREA

COMMON AREA

COMMON AREA

COMMON AREA

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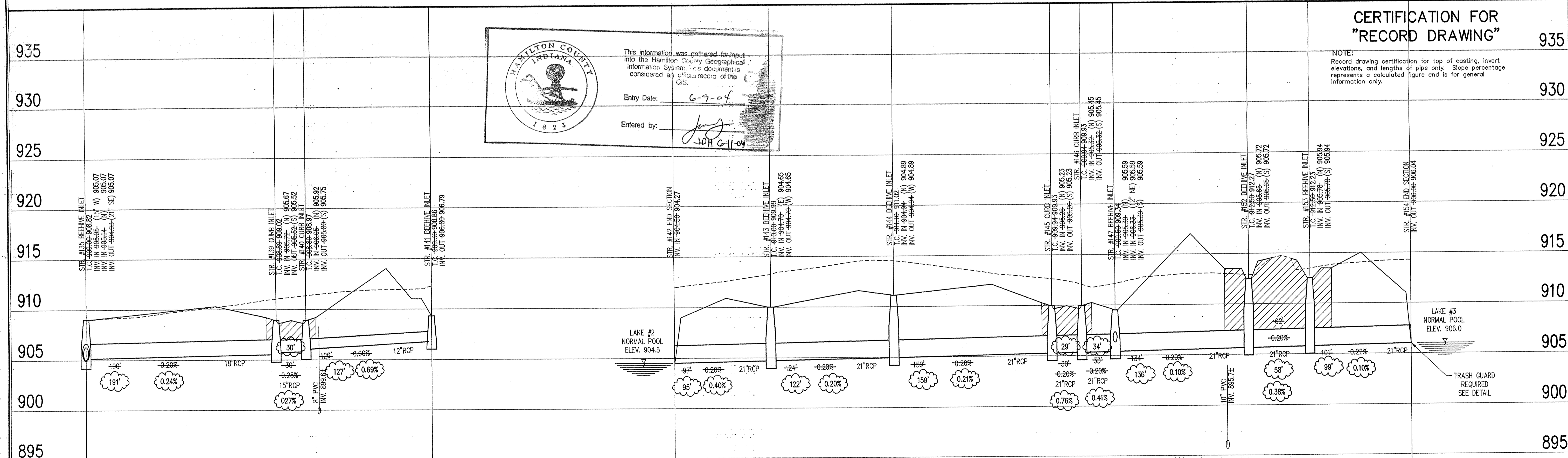
PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

**GENERAL NOTES**

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- CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.

**STORM SEWER PLAN**

SCALE: 1"=50'



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

Entry Date: 6-9-04

Entered by: JCH 6-11-04

**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.

**STORM SEWER RECORD DRAWING**

**STORM SEWER PROFILE**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

REVISIONS:  
1. 5/10/04 PER REVISED LOCATION OF STR. #154 AND REVISED BOULEVARD STREET NAME.  
2. 08/10/04 REVISED SHEETWORK.

**CURT CROSBY**  
REGISTERED  
No. 920350  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

DATE: 11/21/02

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**CLAYBOURNE SECTION 1**

CARMEL, INDIANA

**BOOMERANG DEVELOPMENT, LLC**  
FISHERS, INDIANA

DATE: 01/31/02 PROJECT NO.: 3690.001  
DRAWN BY: DRP CHECKED BY: JCC  
SHEET TITLE: STORM SEWER PLAN

DRAWING FILES:  
R:\3\3690\001\DWGS\C601  
XREF: R:\3\3690\001\DWGS\STORM  
XREF: R:\3\3690\001\DWGS\0010S  
XREF: R:\3\3690\001\DWGS\0020S

**FILED**  
NOV 22 2002

SHEET NO.:  
OFFICE OF HAMILTON COUNTY SURVEYOR  
**C604**

**BENCHMARK**

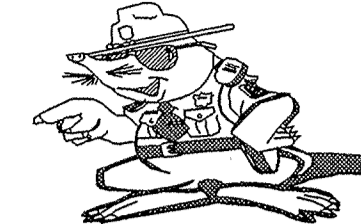
BM- DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED "LEE 2 1989" AT THE SOUTHEAST CORNER OF 131ST STREET AND SHELBORNE ROAD. ELEVATION= 915.619 (N.G.V.D. 1929 DATUM).

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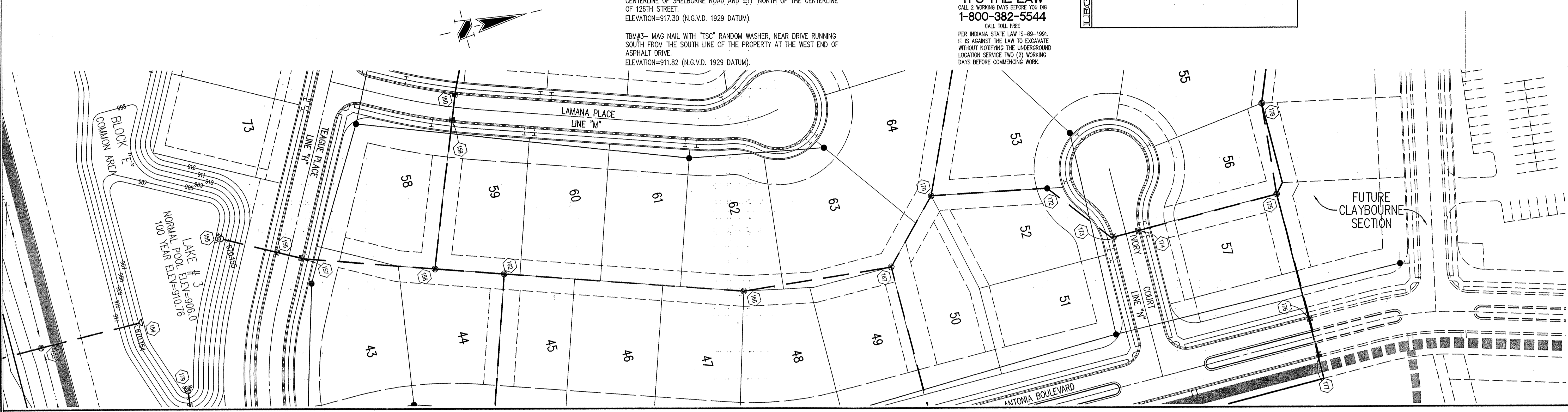
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Sheet Number	Description
C802 4	Bedding Detail - Reinforced Concrete Pipe (RCP)
C802 1	Roll Curb Inlet Detail
C802 2	Basin Inlet Detail
C802 3	Storm Manhole Detail
C802 6	Precast Concrete End Section
C804 94-10	RipRap Detail @ End Section

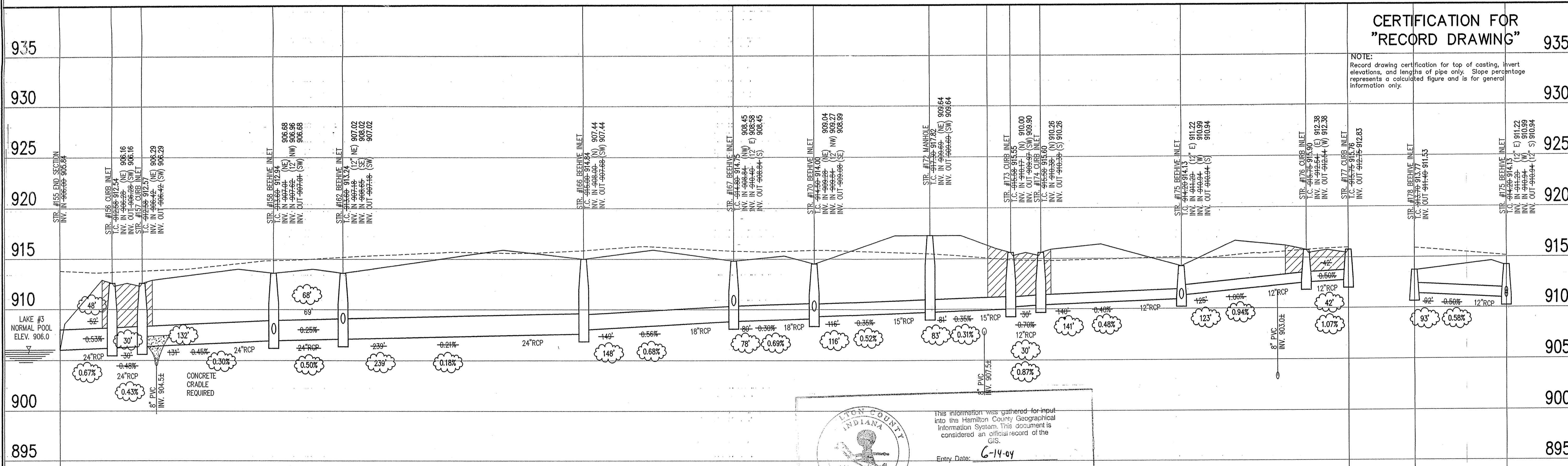
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- CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.



**STORM SEWER PLAN**

SCALE: 1"=50'



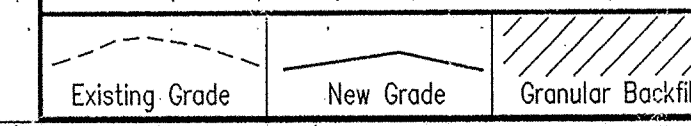
**CERTIFICATION FOR "RECORD DRAWING"**

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This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.  
Entry Date: 6-14-04  
Entered by: JON



**LEGEND**



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

**STORM SEWER PROFILE**

**STORM SEWER RECORD DRAWING**

REVISIONS:  
1. IMP 5/10/02 REVISION LOCATION OF STR. #165, REVISION INVERTS OF STR. #156, #157, #158 & #162, REVISION BOULEVARD STREET NAME.  
2. IMP 10/14/02 REVISION STREETS.

COURT CROSS REGISTERED  
No. 920350  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
DATE: 11/21/02  
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Interior Design  
Land Surveying  
Landscape Architecture  
Transportation Engineering

**CLAYBOURNE SECTION 1**  
CARMEL, INDIANA  
**BOOMERANG DEVELOPMENT, LLC**  
FISHERS, INDIANA

DATE: 01/31/02 PROJECT NO.: 3690.001  
DRAWN BY: DRP CHECKED BY: JCC  
SHEET TITLE: STORM SEWER PLAN  
DRAWING FILES:  
R:\3690\3690\DWG\CS01  
XREF: R:\3690\3690\DWG\STORM  
XREF: R:\3690\3690\DWG\001B5  
XREF: R:\3690\3690\DWG\002B5  
FILED  
NOV 22 2002  
SHEET NO.:  
OFFICE OF HAMILTON COUNTY SURVEYOR  
C605



### BENCHMARK

BM- DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED "LEE 2 1989" AT THE SOUTHEAST CORNER OF 131ST STREET AND SHELBORNE ROAD. ELEVATION= 915.619 (N.G.V.D. 1929 DATUM).

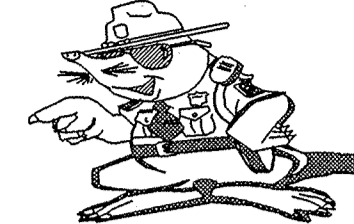
TBM#1- R/R SPIKE AT NORTHEAST CORNER OF PROPERTY, APPROXIMATELY CENTERLINE OF THE NORTHBOUND LANE OF SHELBORNE ROAD. ELEVATION= 917.47 (N.G.V.D. 1929 DATUM).

TBM#2- BOAT SPIKE SOUTH SIDE OF A POWER POLE ±13' WEST OF THE CENTERLINE OF SHELBORNE ROAD AND ±11' NORTH OF THE CENTERLINE OF 126TH STREET. ELEVATION=917.30 (N.G.V.D. 1929 DATUM).

TBM#3- MAG NAIL WITH "TSC" RANDOM WASHER, NEAR DRIVE RUNNING SOUTH FROM THE SOUTH LINE OF THE PROPERTY AT THE WEST END OF ASPHALT DRIVE. ELEVATION=911.82 (N.G.V.D. 1929 DATUM).

HOLEY MOLEY SAYS

"DON'T DIG BLIND"



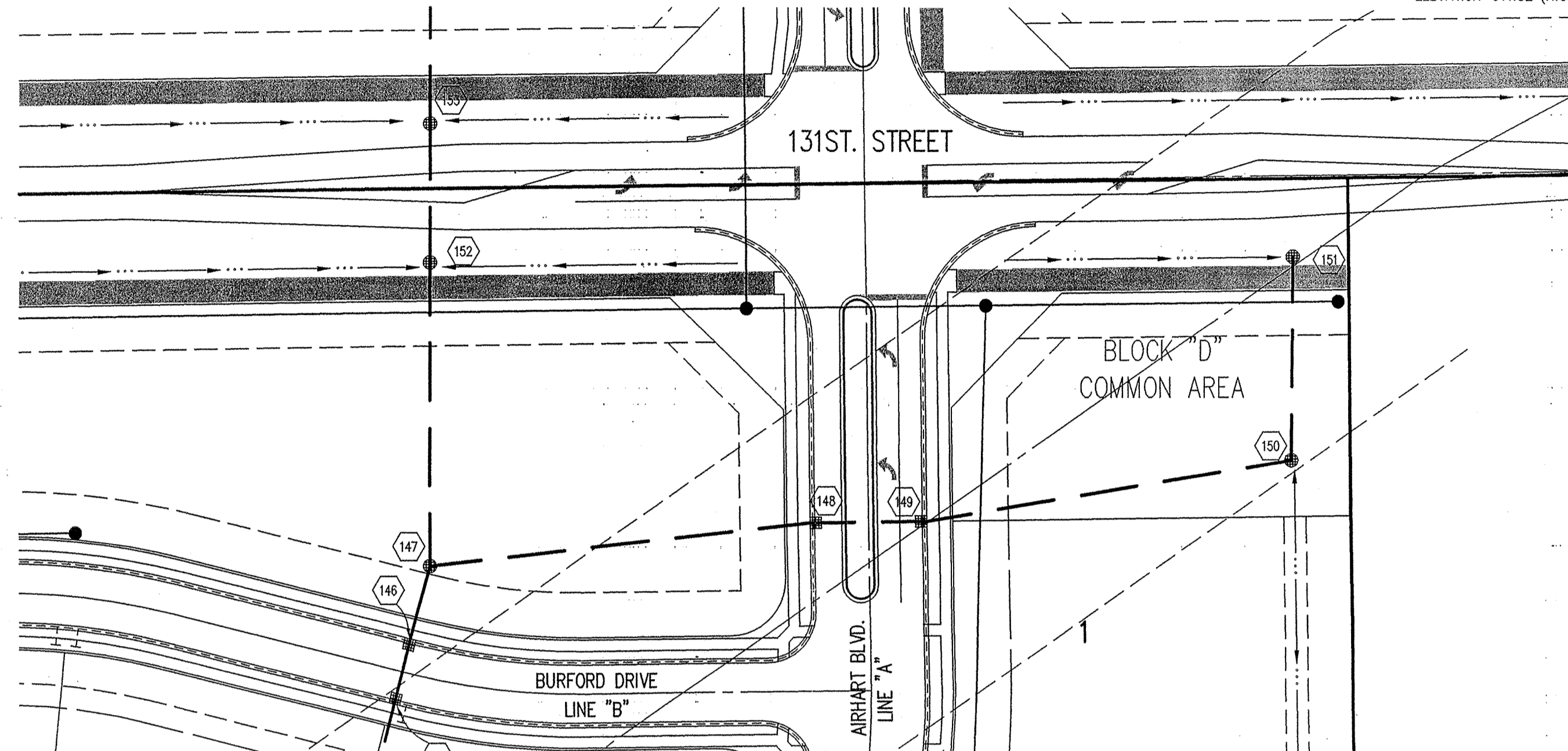
"IT'S THE LAW" CALL 2 WORKING DAYS BEFORE YOU DIG 1-800-382-5544

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.

Sheet	Detail	Description
C802	4	Bedding Detail - Reinforced Concrete Pipe (RCP)
C802	1	Roll Curb Inlet Detail
C802	2	Beehive Inlet Detail
C802	3	Storm Manhole Detail
C802	6	Precast Concrete End Section
C804	94-10	RipRap Detail @ End Section

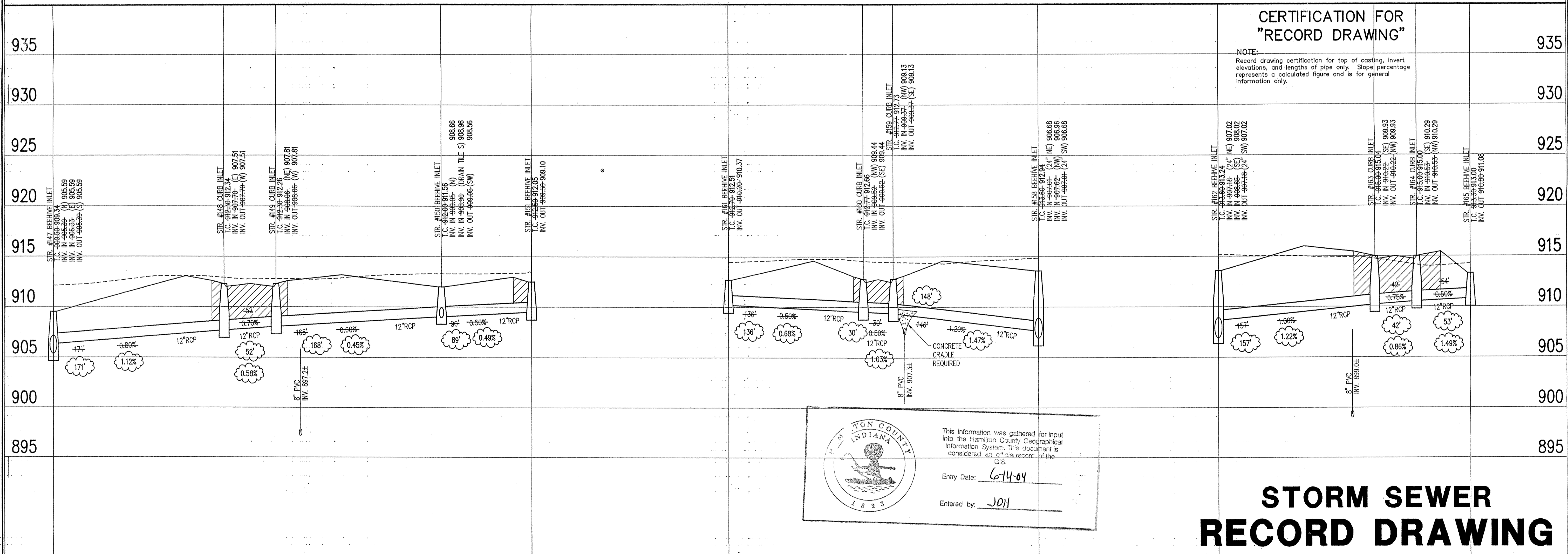
### GENERAL NOTES

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



## STORM SEWER PLAN

SCALE: 1"=50'



### 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.

This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.  
 Entry Date: 6-14-04  
 Entered by: JDI

# STORM SEWER RECORD DRAWING

LEGEND		
	Existing Grade	
	New Grade	
	Granular Backfill	

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

## STORM SEWER PROFILE

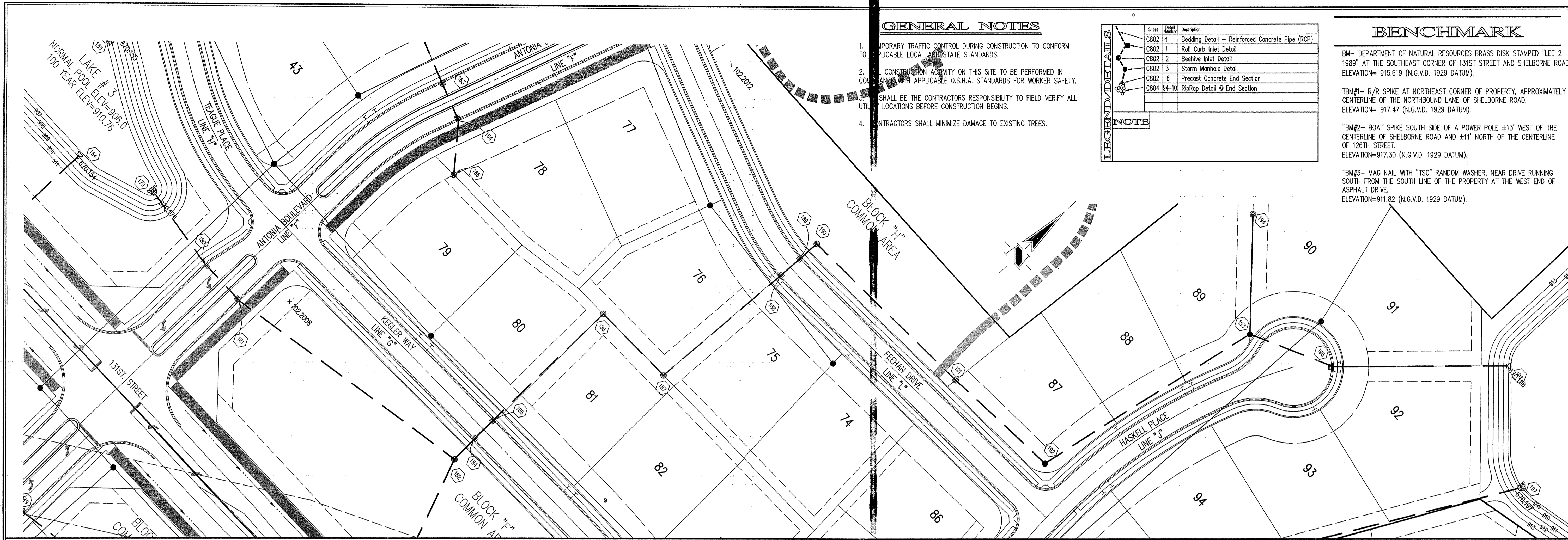
REVISIONS:  
1. CORRECT REVISIONS OF STIP #159 & #162, REVISION BOULEVARD STREET NAME.  
2. CORRECT REVISIONS OF STIP #159 & #162, REVISION BOULEVARD STREET NAME.

DATE: 11/24/02  
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 Landscape Architecture  
 Transportation Engineering

CLAYBOURNE SECTION 1  
 CARMEL, INDIANA  
 BOOMERANG DEVELOPMENT, LLC  
 FISHERS, INDIANA

DATE: 01/31/02 PROJECT NO.: 3690.001  
 DRAWN BY: DRP CHECKED BY: JCC  
 SHEET TITLE: STORM SEWER PLAN  
 DRAWING FILES:  
 R:\3690\001\DWGS\C601  
 XREF:\R:\3690\001\DWGS\STORM  
 XREF:\R:\3690\001\DWGS\00185  
 XREF:\R:\3690\001\DWGS\00285  
 FILED:  
 NOV 22 2002  
 SHEET NO.:  
 DEPT OF HAMILTON COUNTY SURVEYOR



**GENERAL NOTES**

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**BENCHMARK**

BM- DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED "LEE 2 1989" AT THE SOUTHEAST CORNER OF 131ST STREET AND SHELBORNE ROAD. ELEVATION= 915.619 (N.G.V.D. 1929 DATUM).

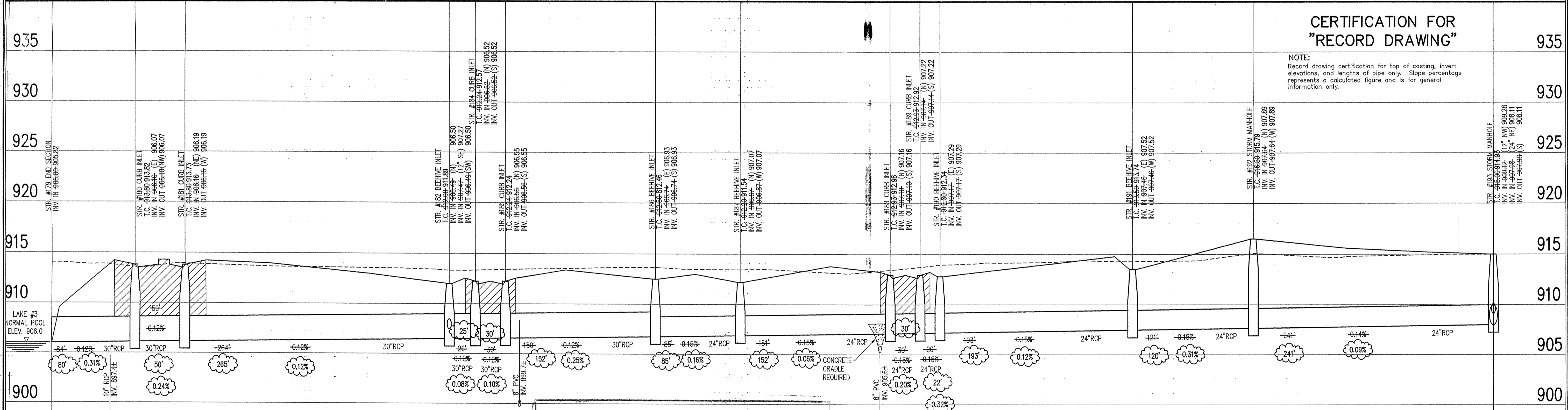
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**STORM SEWER PLAN**

SCALE: 1"=50'



**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.

This information was gathered for input into the Heritage Mapping Geographical Information System. No warranty is considered an official record of the GIS.

Entry Date: 6-2-04

Entered by: JWH 6-14-04

**STORM SEWER RECORD DRAWING**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

DATE: 11/21/02

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Landscape Architecture  
Transportation Engineering

**CLAYBOURNE SECTION 1**

CARMEL, INDIANA

**BOOMERANG DEVELOPMENT, LLC**  
FISHERS, INDIANA

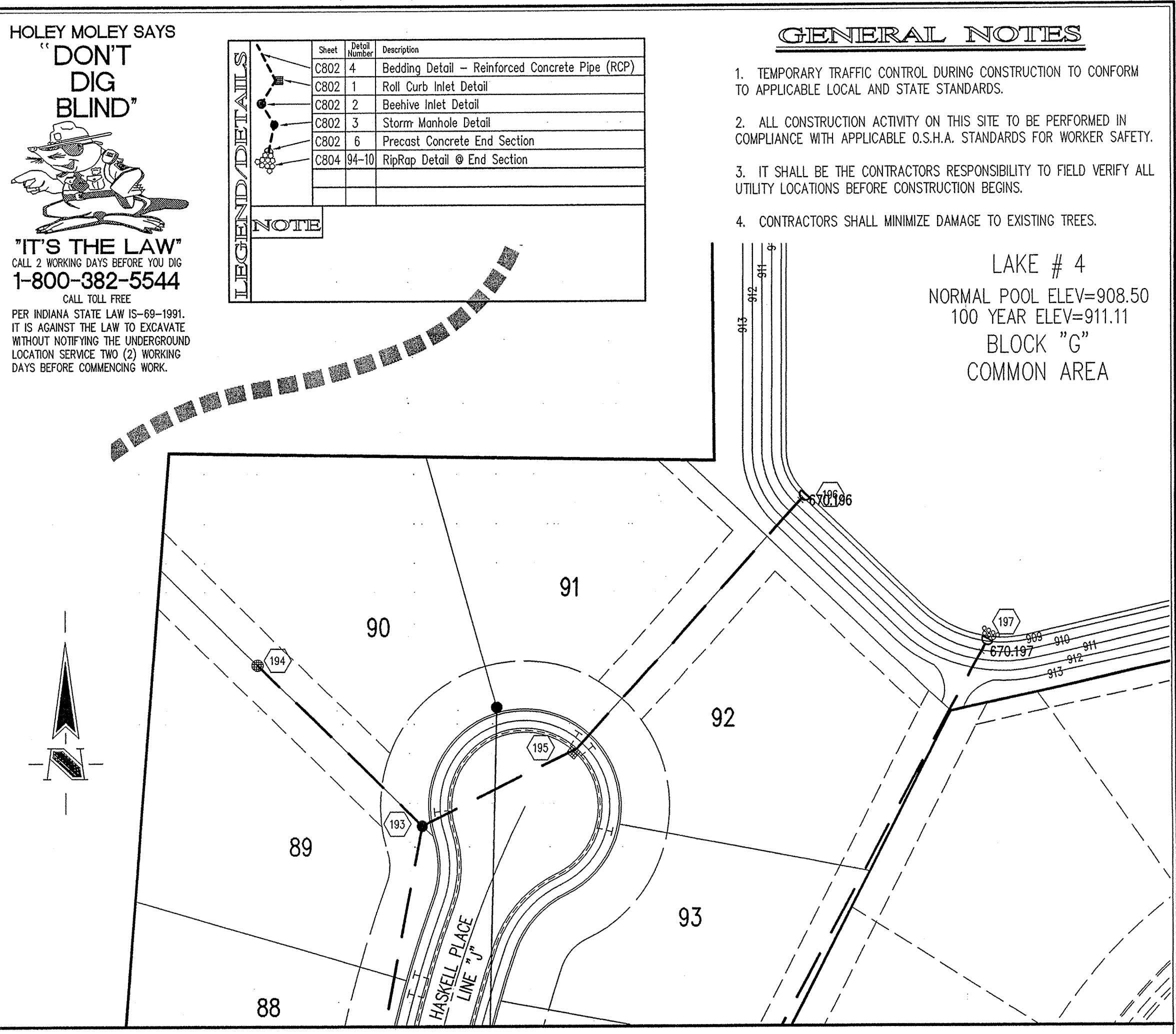
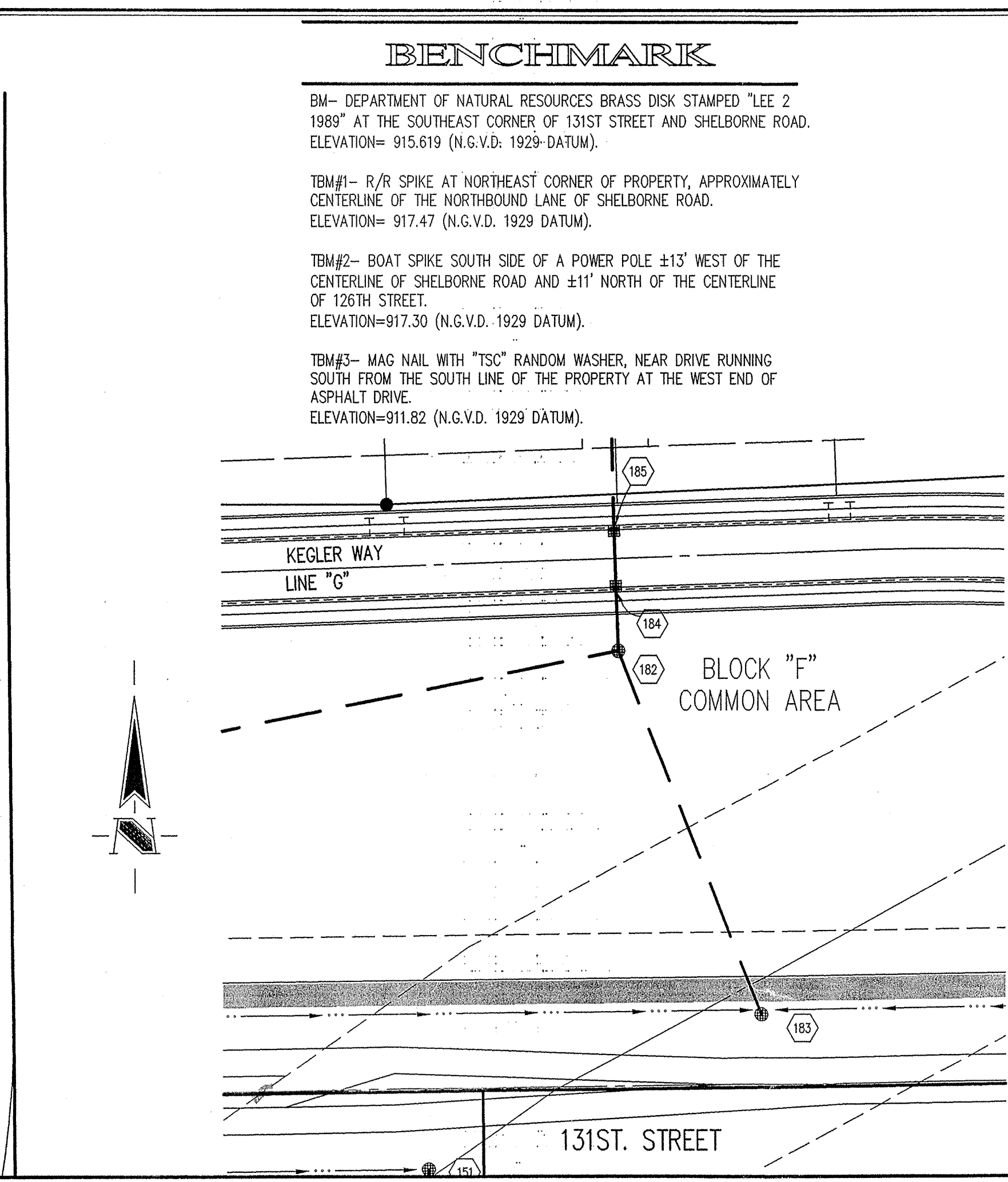
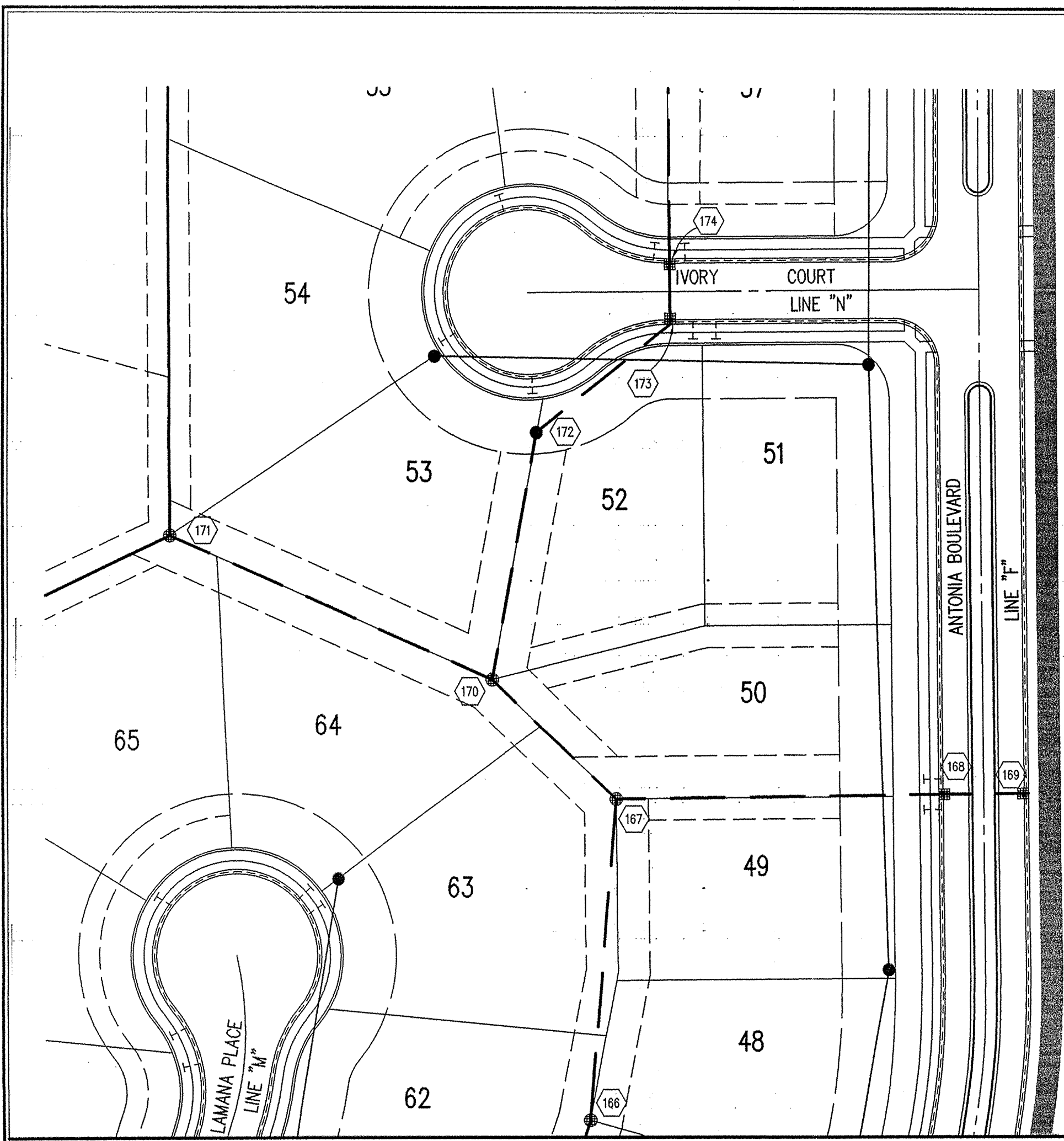
DATE: 01/31/02 PROJECT NO.: 3690.001

DRAWN BY: DRP CHECKED BY: JCC

SHEET TITLE: STORM SEWER PLAN

DRAWING FILES:  
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XREF:\R:\3K\3690\001\DWGS\STORM  
XREF:\R:\3K\3690\001\DWGS\001ES  
XREF:\R:\3K\3690\001\DWGS\002ES

SHEET NO.: **C607**



**BENCHMARK**

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HOLEY MOLEY SAYS  
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**"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.

Sheet	Date	Description
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C802	1	Roll Curb Inlet Detail
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C802	3	Storm Manhole Detail
C802	6	Precast Concrete End Section
C804	94-10	Rip/Rap Detail @ End Section

**LEGEND/DETAILS**

**NOTE**

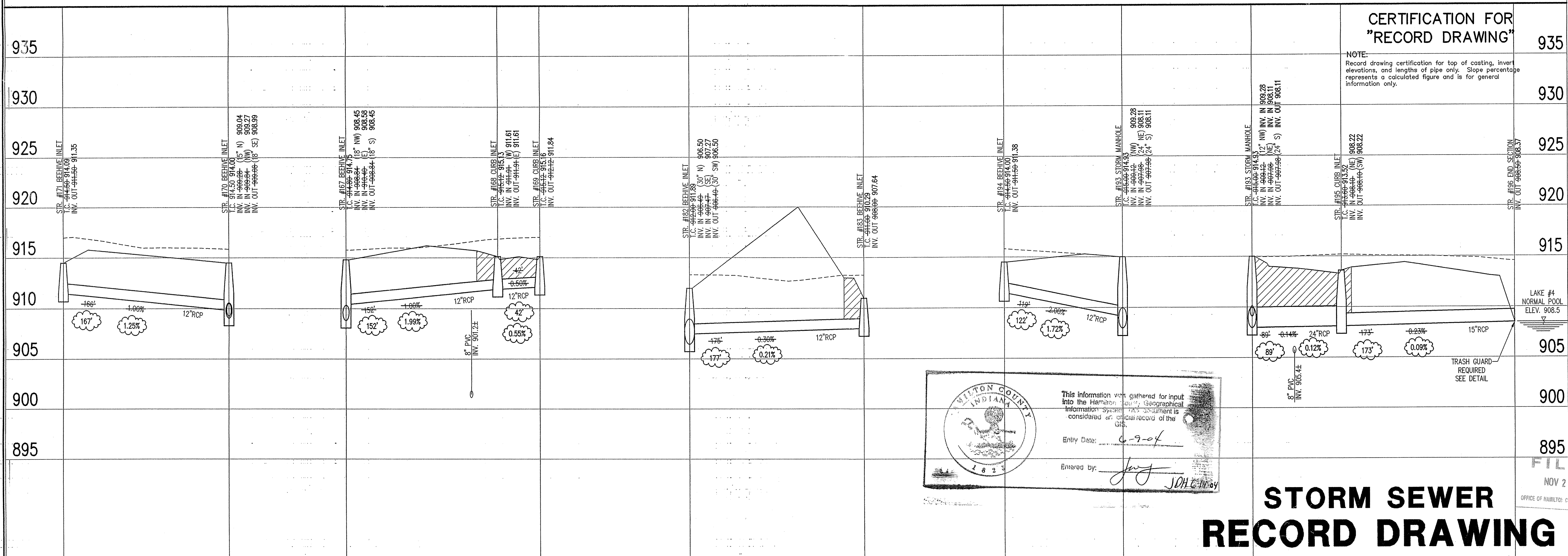
**GENERAL NOTES**

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LAKE # 4  
 NORMAL POOL ELEV=908.50  
 100 YEAR ELEV=911.11  
 BLOCK "G"  
 COMMON AREA

**STORM SEWER PLAN**

SCALE: 1"=50'



**CERTIFICATION FOR "RECORD DRAWING"**

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WILSON 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: 6-9-04  
 Entered by: JWH

**STORM SEWER RECORD DRAWING**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

REVISIONS:  
 1. DRP 10/17/02 ADDED TRASH GUARD LABEL, REVERSED BOULEVARD STREET NAME.  
 2. DRP 10/17/02 REVERSED SIGNAGES.

REGISTERED PROFESSIONAL ENGINEER  
 No. 920350  
 STATE OF INDIANA  
 DATE: 11/21/02  
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 Home Builder Services  
 Interior Design  
 Land Surveying  
 Landscape Architecture  
 Transportation Engineering

**CLAYBOURNE SECTION 1**

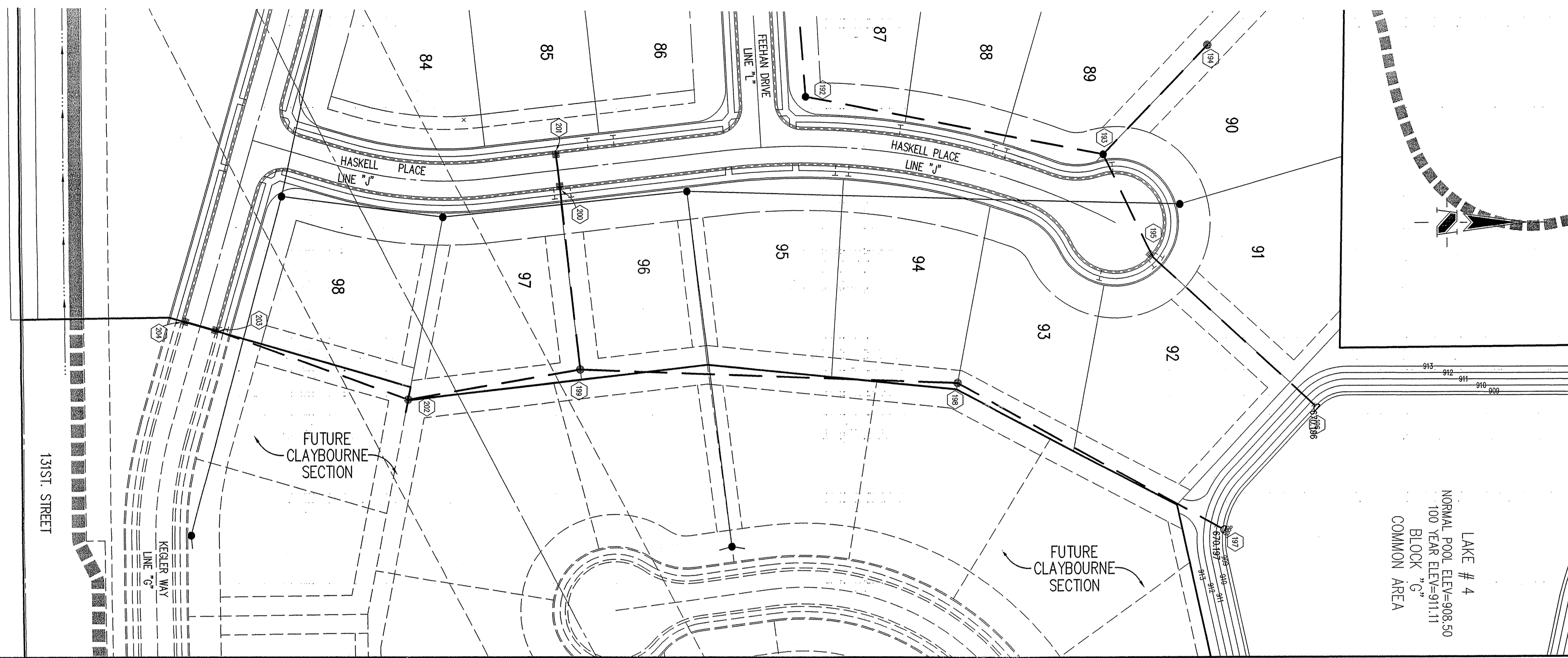
CARMEL, INDIANA  
**BOOMBRANG DEVELOPMENT, LLC**  
 FISHERS, INDIANA

DATE: 01/31/02	PROJECT NO.: 3690.001
DRAWN BY: DRP	CHECKED BY: JCC
SHEET TITLE: STORM SEWER PLAN	
DRAWING FILES: R:\3690\001\DWGS\C801 XREF:\R:\3690\001\DWGS\STORM XREF:\R:\3690\001\DWGS\001B XREF:\R:\3690\001\DWGS\002B	

SHEET NO.: **C608**

**STORM SEWER PROFILE**

This drawing printed from the Digital version of the Hamilton County Surveyors Office, One Hamilton Court, Ste. 188, Noblesville, IN 46060



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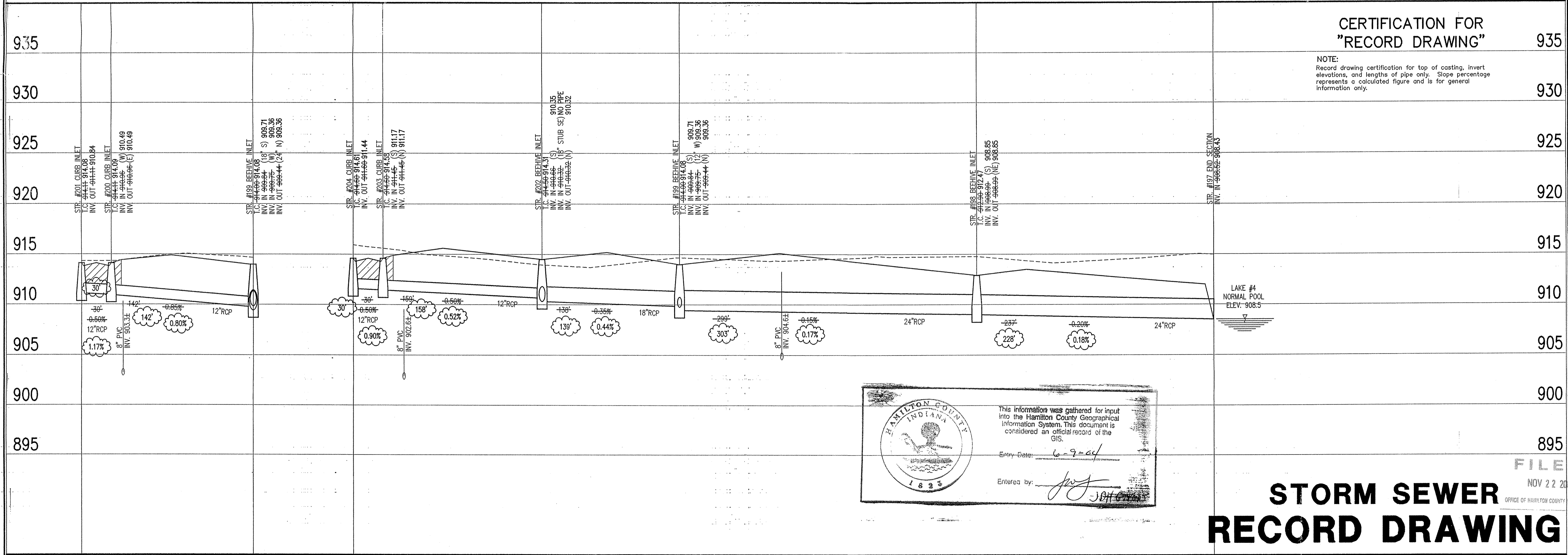
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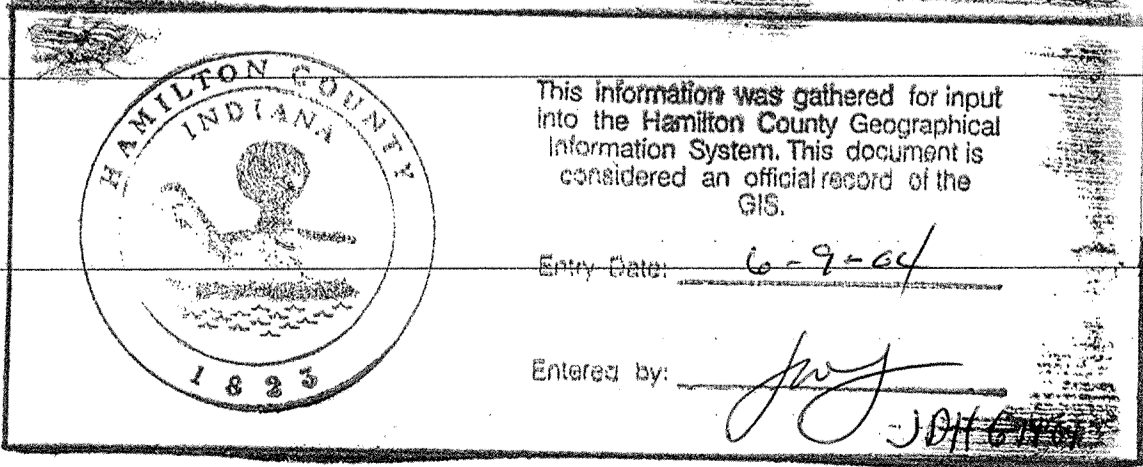
**STORM SEWER PLAN**

SCALE: 1"=50'



**CERTIFICATION FOR "RECORD DRAWING"**

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**STORM SEWER RECORD DRAWING**

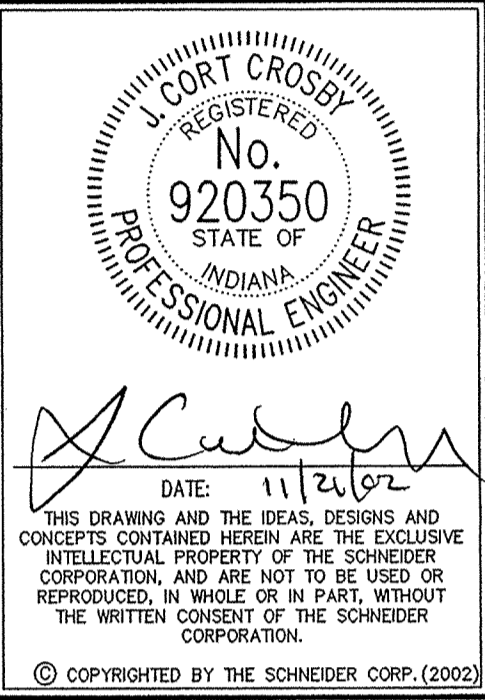
**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

**STORM SEWER PROFILE**

REVISIONS:  
1. DRP 5/10/02 ADDED SUB-SURFACE DRAINAGE  
2. DRP 10/17/02 REVISIONS



**Schneider**

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**CLAYBOURNE SECTION 1**

CARMEL, INDIANA

**BOOMERANG DEVELOPMENT, LLC**  
FISHERS, INDIANA

DATE: 01/31/02	PROJECT NO.: 3690.001
DRAWN BY: DRP	CHECKED BY: JCC
SHEET TITLE: STORM SEWER PLAN	
DRAWING FILES: R:\3\3690\001\DWGS\C601 R:\3\3690\001\DWGS\STORM R:\3\3690\001\DWGS\001ES R:\3\3690\001\DWGS\002ES	
SHEET NO.: C609	

UTILITIES

GAS
Veetren
1630 North Meridian Street
P.O. Box 7136
Indianapolis, Indiana 46207
(317) 592-4500
TELEPHONE
Ameritech Indiana Corporation
220 North Meridian Street
Indianapolis, Indiana 46204
(800) 571-8771
WATER
Carmel City Utilities
1 Civic Square
Carmel, Indiana 46032
(317) 571-2442
STREETS
Hamilton County Highway Department
1770 South 10th Street
Noblesville, Indiana 46060
(317) 773-7770, (317) 773-1282
Utility Hotline: within Indiana 1-800-382-5544
outside Indiana 1-800-428-5200
NOTE

ELECTRIC
Chinergy/P. S. I.
100 Mill Creek Road
P.O. Box 312
Noblesville, Indiana 46061
(800) 521-2232
STORM SEWER
Hamilton County Drainage Board
One Hamilton County Square, Suite 188
Noblesville, Indiana 46060
(317) 776-8495
SANITARY SEWERS
Clay Township Regional Waste District
10701 North College Avenue, Suite A
Indianapolis, Indiana 46240
(317) 544-9200
CABLE TELEVISION
Time Warner
516 East Carmel Drive
Carmel, Indiana 46032
(317) 979-9700

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CALL TOLL FREE

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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.

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
6" Subsurface Drain W/ 4" Tee service
Fire Hydrant W/waterline
Denotes Minimum Flood Protection Grade
MFPG=000.0

NOTE:
FOR STRUCTURE DATA
TABLES SEE SHEET C105.

SUB-SURFACE DRAIN RECORD DRAWING

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 OR 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 COUNTY SURVEYOR SHALL APPLY FOR ALL STORM SEWERS.
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. EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTIONS AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SPACES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS. CONTRACTION JOINTS AND PERPENDICULAR TO SIDEWALKS AT 5' INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 20' OR LESS.
8. 4" CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
9. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
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11. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

BENCHMARK

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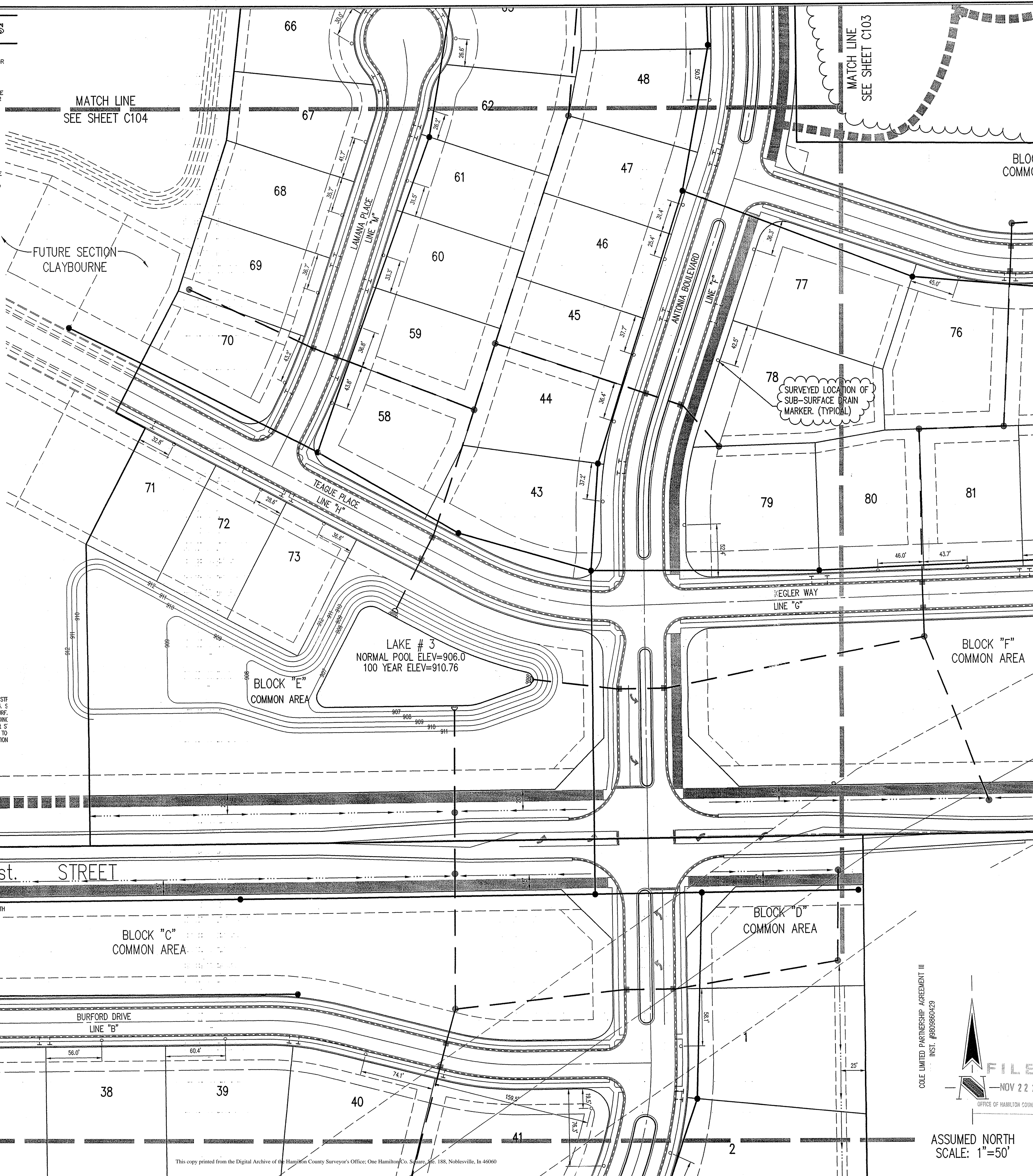
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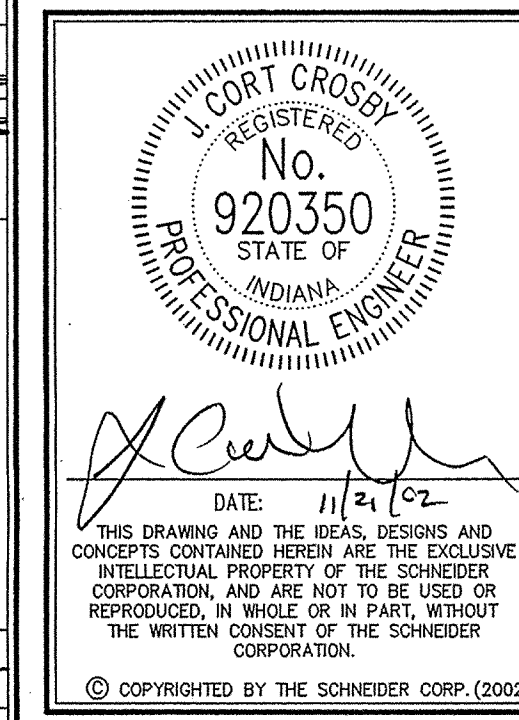
TBM#3- MAG NAIL WITH "TSC" RANDOM WASHER, NEAR DRIVE RUNNING SOUTH FROM THE SOUTH LINE OF THE PROPERTY AT THE WEST END OF ASPHALT DRIVE. ELEVATION=911.82 (N.G.V.D. 1929 DATUM).

LAKE LINER NOTE

At the request of the owner (client) no soil borings were performed in the lake area(s). In the absence of subsurface information, the owner must recognize that water level fluctuations of several feet may occur within the lake(s). It may be necessary to construct a liner to seal the more permeable sandy clays and sand seams which may be present at a shallow depth within the side slope or bottom of the excavation. In the event that construction of a liner becomes necessary, Contact the engineer and owner.



REVISIONS:
1. PRC 05/10/02 REV. BOTH ENTRANCES, ADD LINES, TURN ARROWS & ALL PARTS UP & CONCRETE AT ALL CORNERS. REV. SAN. 22 LOCATION, SIM INFO TO ALL CORNERS FROM LOTS 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



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CLAYBOURNE SECTION 1
BOOMERANG DEVELOPMENT, LLC
CARMEL, INDIANA
FISHERS, INDIANA

Table with drawing metadata: DATE: 01/31/02, PROJECT NO.: 3690.001, DRAWN BY: PRC, CHECKED BY: JCC, SHEET TITLE: STORM SEWER PLAN SUBSURFACE DRAIN LOCATIONS, DRAWING FILES: R:\3690\001\DWG\C101XSRD, XREF: 001BS, XREF: 001BS, XREF: 3690001T, XREF: R:\3690\002\DWG\002BS, SHEET NO.: 2

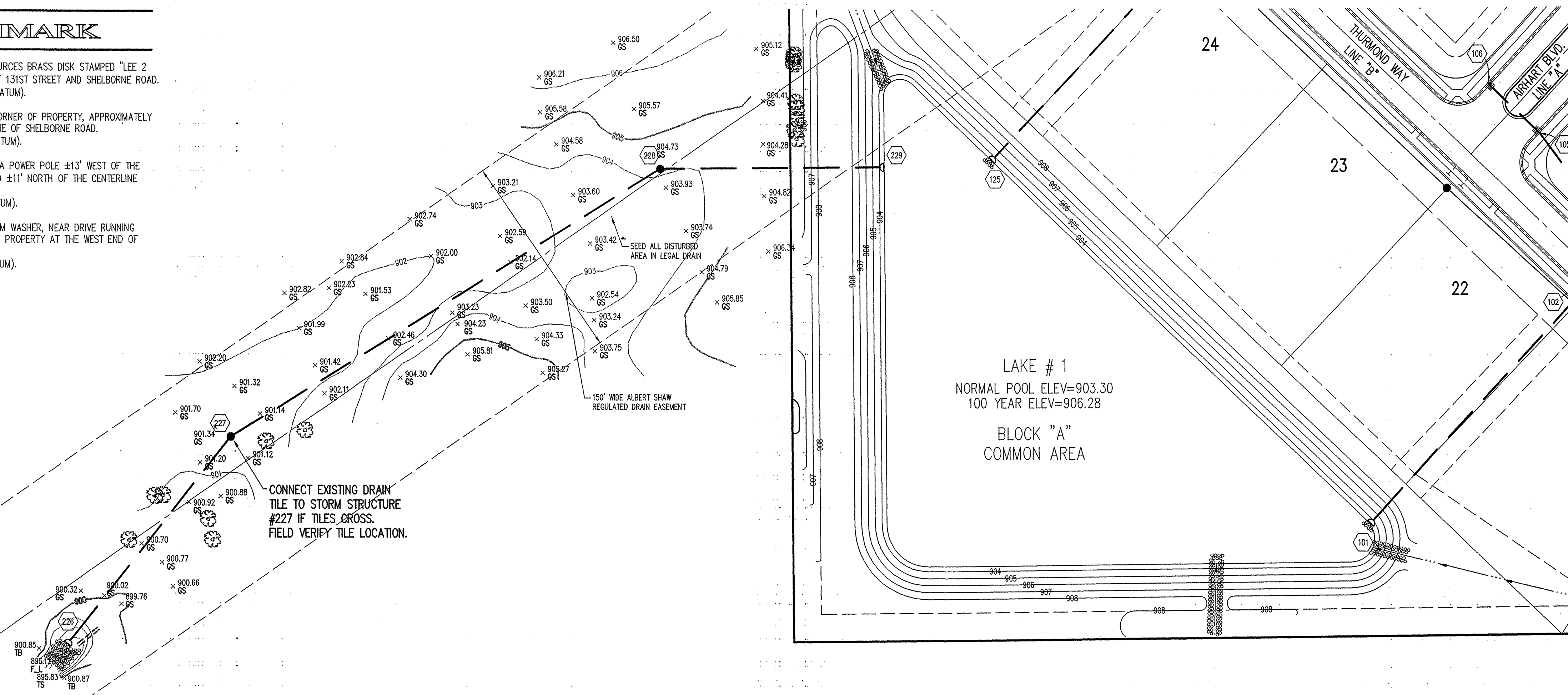
**BENCHMARK**

BM- DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED "LEE 2 1989" AT THE SOUTHEAST CORNER OF 131ST STREET AND SHELBORNE ROAD. ELEVATION= 915.619 (N.G.V.D. 1929 DATUM).

TBM#1- R/R SPIKE AT NORTHEAST CORNER OF PROPERTY, APPROXIMATELY CENTERLINE OF THE NORTHBOUND LANE OF SHELBORNE ROAD. ELEVATION= 917.47 (N.G.V.D. 1929 DATUM).

TBM#2- BOAT SPIKE SOUTH SIDE OF A POWER POLE ±13' WEST OF THE CENTERLINE OF SHELBORNE ROAD AND ±11' NORTH OF THE CENTERLINE OF 126TH STREET. ELEVATION=917.30 (N.G.V.D. 1929 DATUM).

TBM#3- MAG NAIL WITH "TSC" RANDOM WASHER, NEAR DRIVE RUNNING SOUTH FROM THE SOUTH LINE OF THE PROPERTY AT THE WEST END OF ASPHALT DRIVE. ELEVATION=911.82 (N.G.V.D. 1929 DATUM).



**GENERAL NOTES**

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

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-69-1891,  
IT IS AGAINST THE LAW TO EXCAVATE  
WITHOUT NOTIFYING THE UNDERGROUND  
LOCATION SERVICE TWO (2) WORKING  
DAYS BEFORE COMMENCING WORK.

Sheet	Detail	Description
C802	4	Bedding Detail - Reinforced Concrete Pipe (RCP)
C802	1	Roll Curb Inlet Detail
C802	2	Beehive Inlet Detail
C802	3	Storm Manhole Detail
C802	6	Precast Concrete End Section
C804	94-10	RipRap Detail @ End Section

U.S. COURT CROSS REGISTERED  
No. 920350  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

DATE: 11/21/02

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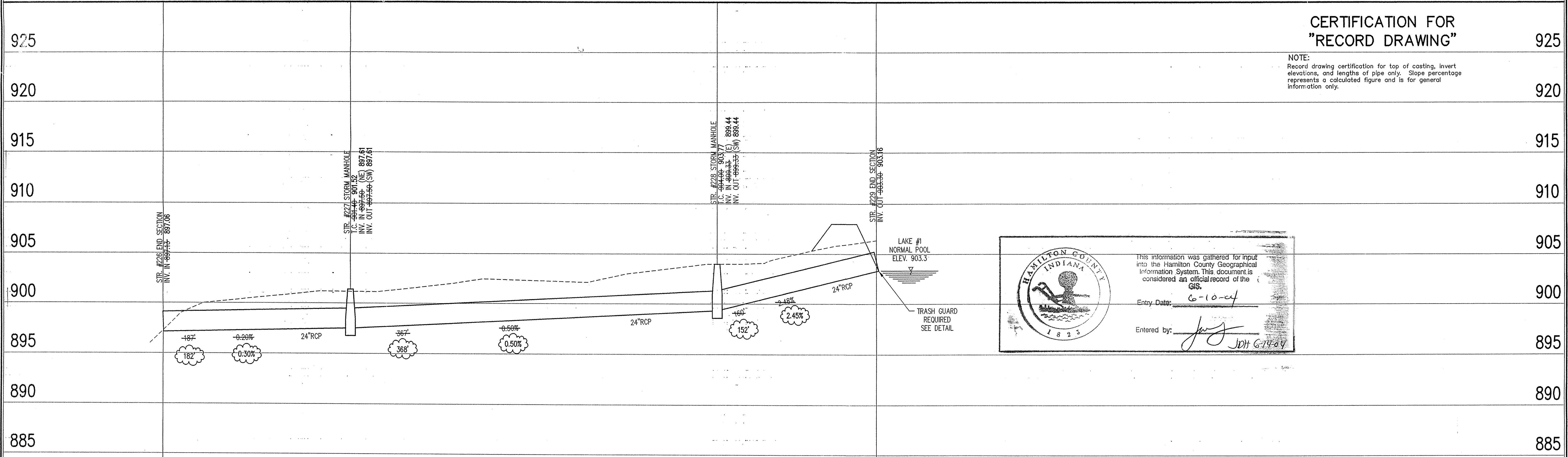
**Schneider**

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**STORM SEWER PLAN**

SCALE: 1"=50'



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

Entry Date: 6-10-04  
Entered by: JWH G7404

**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.

**STORM SEWER RECORD DRAWING**

**STORM SEWER PROFILE**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

CLAYBOURNE SECTION 1

CARMEL, INDIANA

BOOMERANG DEVELOPMENT, LLC  
FISHERS, INDIANA

DATE: 01/31/02 PROJECT NO.: 3690.001  
DRAWN BY: DRP CHECKED BY: JCC  
SHEET TITLE: STORM SEWER PLAN  
DRAWING FILES:  
R:\3690\001\DWG\CS01  
XREF: R:\3690\001\DWG\STORM  
XREF: R:\3690\001\DWG\001ES  
XREF: R:\3690\001\DWG\002ES

SHEET NO.: C610