

**Drain:** ALBERT SHAW DRAIN **Drain #:** 70  
**Improvement/Arm:** SHELBOURNE ESTATES - SECTION 1  
**Operator:** JDH **Date:** 6-11-04  
**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

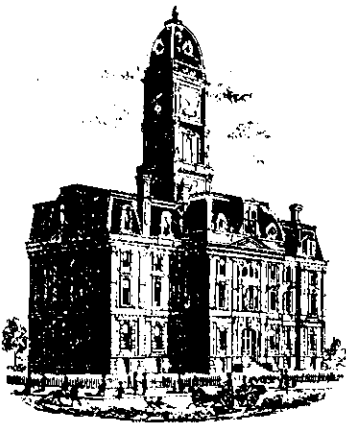
Drain-Improvement: ALBERT SWAN DRAIN - SHELBOURNE RE-STATES - SECTION 2

Drain Type:	Size:	Length <i>measured in place</i>	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSD	6"	8,145'	8,145'	∅		
RCP	12"	1,460'	1,460'	∅		
	15"	177'	177'	∅		
	18"	191'	191'	∅		
	21"	170'	170'	∅		
	24"	1,246'	1,246'	∅		
	36"	585'	585'	∅		

Sum: 11,974' 11,974' ∅ \_\_\_\_\_

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 Estates Arm (*Platted as Shelbourne Estates.*)

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Claybourne Estates 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 – 8,946 ft	15" RCP - 177 ft	21" RCP – 171 ft	36" RCP – 588 ft
12" RCP – 1,457 ft	18" RCP - 190 ft	24" RCP – 1,254 ft	

The total length of the drain will be 12,333 feet.

The retention ponds (lakes) located in Block A and B 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.

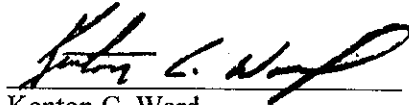
I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$10.00 per acre, \$10.00 per acre for roadways, with a \$45.00 minimum lot/tract rate. With this assessment the total annual assessment for this drain/this section will be \$2,242.50.

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 Estates 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:

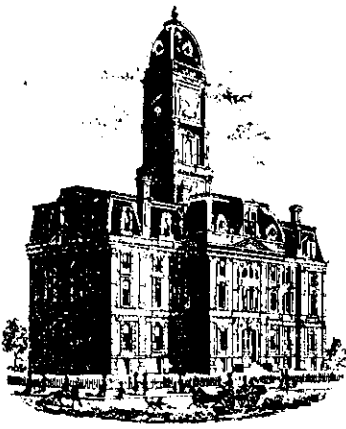
Claybourne Section 1 Arm:  
 $611607 * 41.1\% = \$251,370.48$

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

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

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

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



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: Shelborne Estates Arm

Attached are as-builts, certificate of completion & compliance, and other information for Shelborne Estates Sec. 1. The project was bonded, asbuilt, and Certified by the Engineer as a part of Clayborne Sec. 1 Arm. 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. My report was approved by the Board at the hearing held August 26, 2002. (See Drainage Board Minutes Book 6, Pages 417-418) The arm was originally accepted as the Claybourne Estates Arm. However, that was changed during the December 9, 2002 Drainage Board Meeting to the Shelborn Estates Arm. (See Drainage Board Minutes Book 6, Page 504)

The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Grade:	Original:	Difference:
123	913.08	910.1					
122	912.99	909.64	12	52	0.89		
122	912.99	909.64					
121	911.54	908.54	12	189	0.58		
121	911.54	908.54					
120	912.75	907.77	24	157	0.49	156	1
120	912.75	907.77					
119	912.71	907.58	24	30	0.63		
119	912.71	907.58					
118	910.41	906.61	24	188	0.52	189	-1
118	910.41	906.61					
118A	910.23	906.18	24	87	0.49	85	2
118A	910.23	906.18					
108	910.19	904.64	24	175	0.88	177	-2
108	910.19	904.64					
107	912.47	904.35	36	145	0.2		
107	912.47	904.35					

104	910.31	904.16	36	175	0.11		
104	910.31	904.16					
103	910.21	904.1	36	14	0.43	13	1
103	910.21	904.1					
102	910.24	903.99	36	31	0.35	30	1
102	910.24	903.99					
101		903.11	36	220	0.4	225	-5
124		909.42					
121	911.54	908.54	24	161	0.55	169	-8
117		906.96					
115	911.74	906.94	24	8	0.25	10	-2
114	910.71	907.47					
113	910.61	907.26	12	30	0.7		
113	910.61	907.26					
112	911.76	907.14	12	22	0.55	21	1
116	909.84	907.66					
115	911.74	907.18	12	98	0.49	97	1
115	911.74	906.94					
112	911.76	906.66	24	125	0.22		
112	911.76	906.59					
111	910.95	906.47	24	35	0.34		
111	910.95	906.47					
110	910.8	906.28	24	30	0.63		
110	910.8	906.28					
109	909.81	905.66	24	186	0.33	185	1
109	909.81	905.66					
108	910.19	904.64	24	64	1.59	63	1
106	910.59	907.66					
105	910.63	907.12	12	52	1.04		
105	910.63	907.12					
104	910.31	906.2	12	101	0.91	102	-1
138		906.69					
137	909.21	906.07	12	162	0.38	161	1
137	909.21	905.92					
136	909.19	905.75	12	29	0.59	30	-1
136	909.19	905.65					
135	908.82	905.07	15	147	0.39		
135	908.82	905.07					
134		904.48	21	170	0.35	171	-1
133	913	909.64					
132	912.97	908.37	12	51	2.49	52	-1
132	912.97	906.99					
131		904.49	12	67	3.73		
141	908.86	906.79					
140	908.97	905.92	12	127	0.69	126	1
140	908.97	905.75					
139	909.02	905.67	15	30	0.27		
139	909.02	905.52					

135	908.82	905.07	18	191	0.24	190	1
151	912.05	909.1					
150	911.56	908.66	12	89	0.49	90	-1
150	911.56	908.56					
149	912.26	907.81	12	168	0.45	165	3
149	912.26	907.81					
148	912.34	907.51	12	52	0.58		
148	912.34	907.51					
147	909.34	905.59	12	171	1.12		

**6" SSD Streets:**

Airhart	1055.25
Tolbert,Thurmond,Buford	2096.75
Pontell	727.34
Yancey	193.16
x2	
<b>Total:</b>	<u>8145</u>

**RCP Pipe Totals:**

12	1,460
15	177
18	191
21	170
24	1,246
36	585
<b>Total:</b>	<u>3,829</u>

The length of the drain due to the changes described above is now **11,974 feet**.

The non-enforcement was approved by the Board at its meeting on August 26, 2002 and recorded under instrument #200300093801.

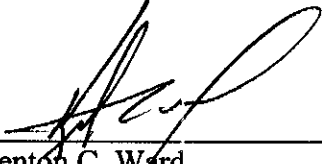
The following sureties were guaranteed by Scheer's, Inc. and released by the Board on its February 23, 2004 meeting.

**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



# CLAYBOURNE SECTION 1

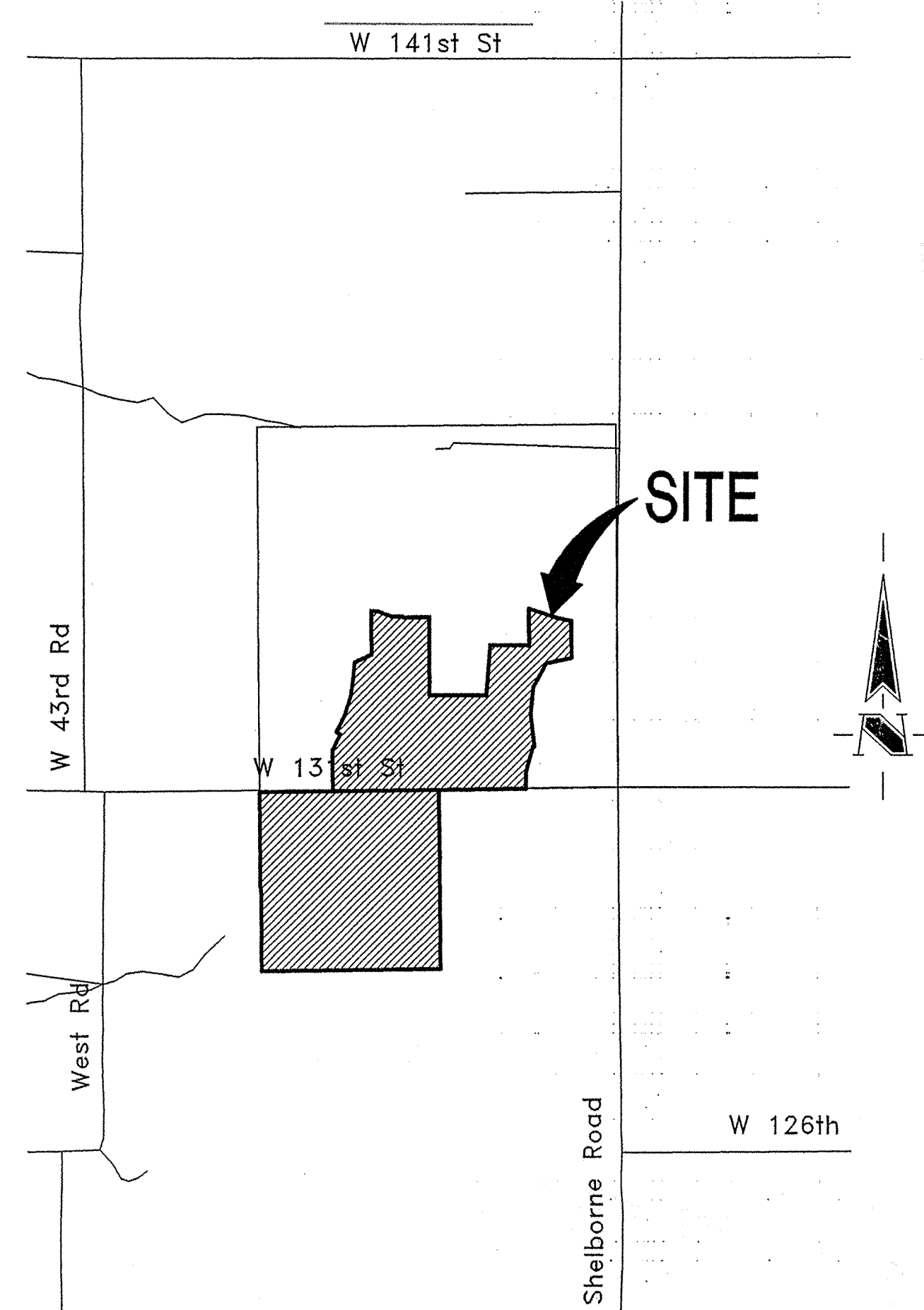
(RESIDENTIAL SUBDIVISION)

## HAMILTON COUNTY CARMEL, INDIANA

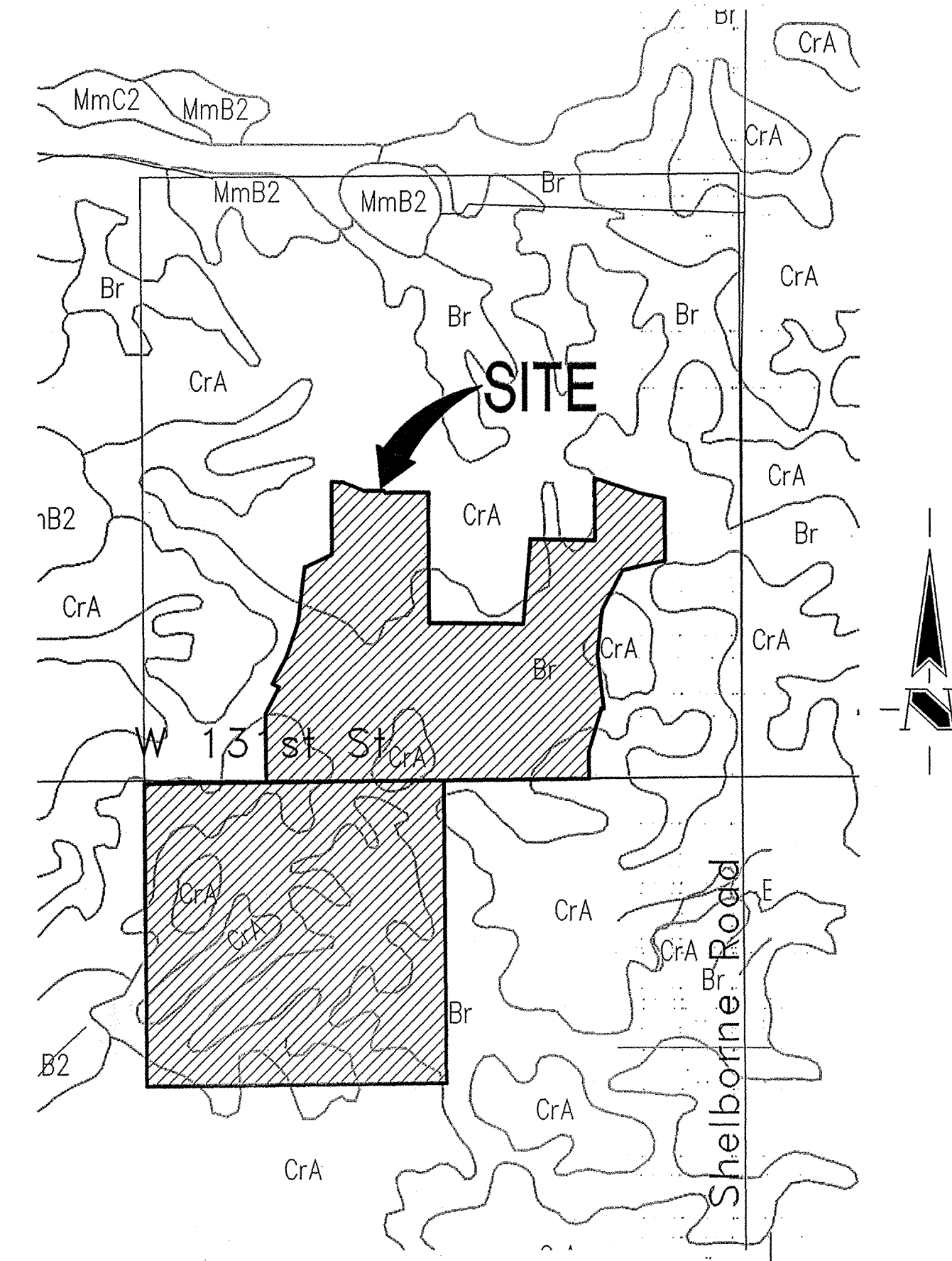
DEVELOPER:

**BOOMERANG DEVELOPMENT, LLC**

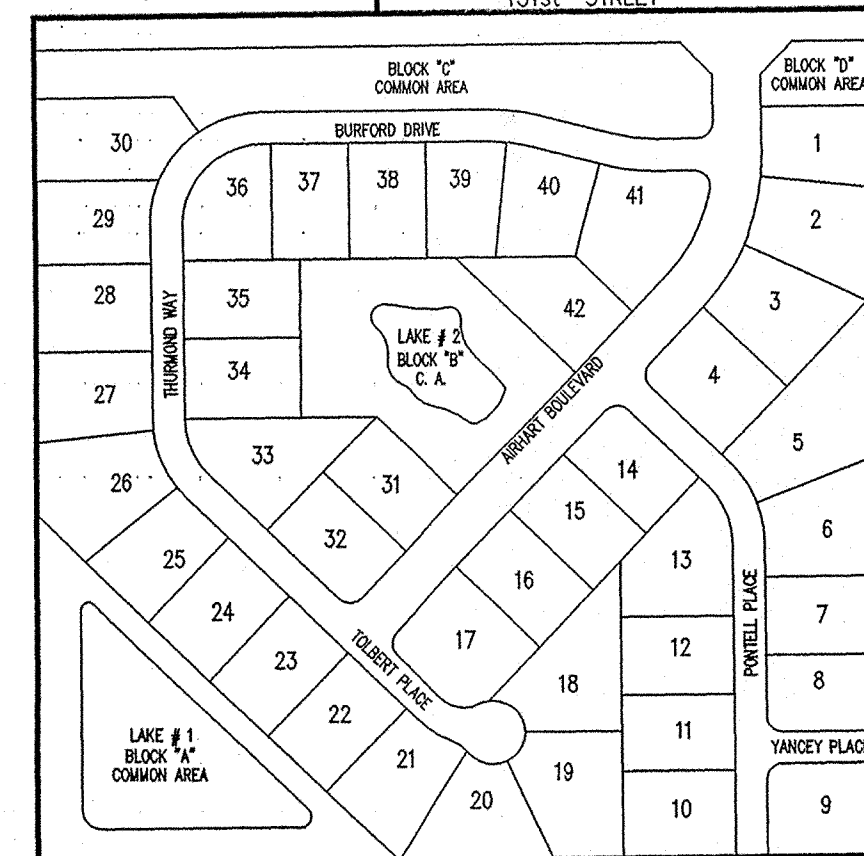
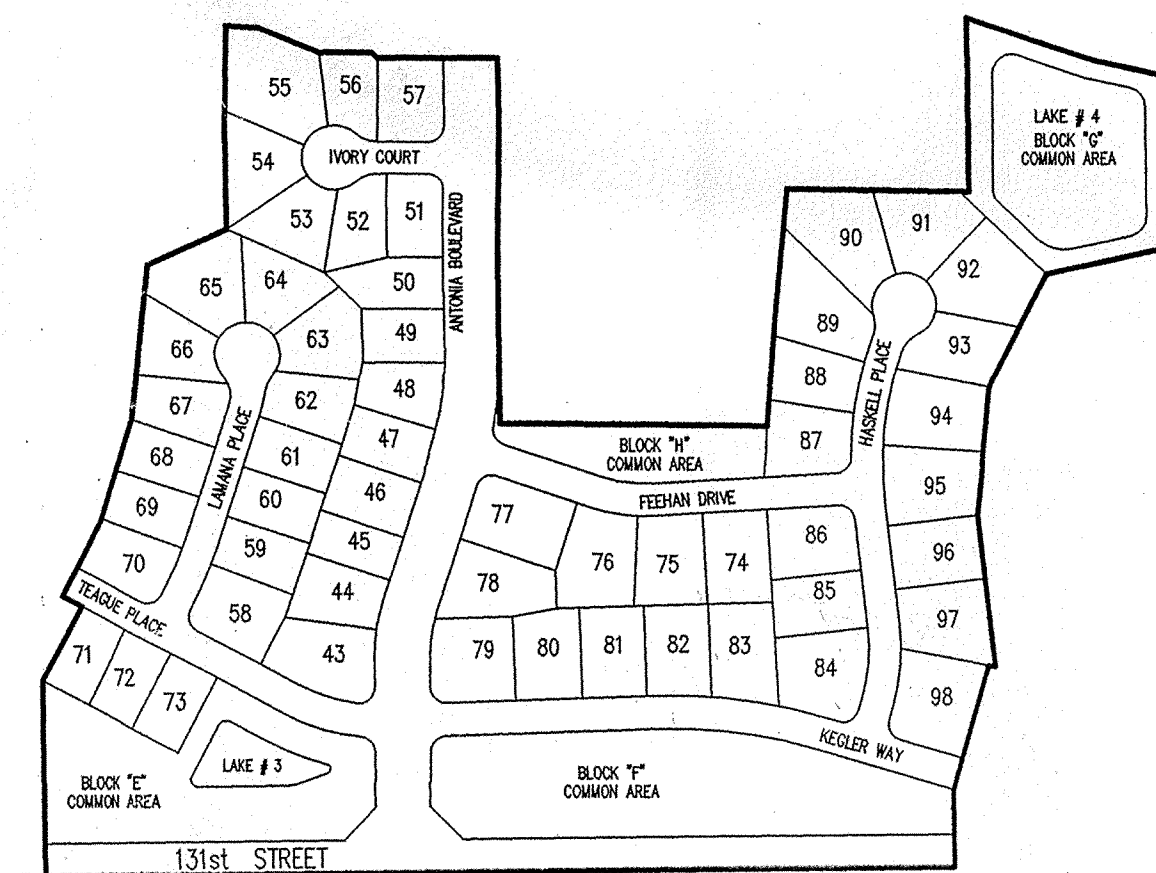
11911 LAKESIDE DRIVE  
FISHERS, INDIANA 46038  
(317) 849-7607



**AREA MAP**  
SCALE: 1"=1000'

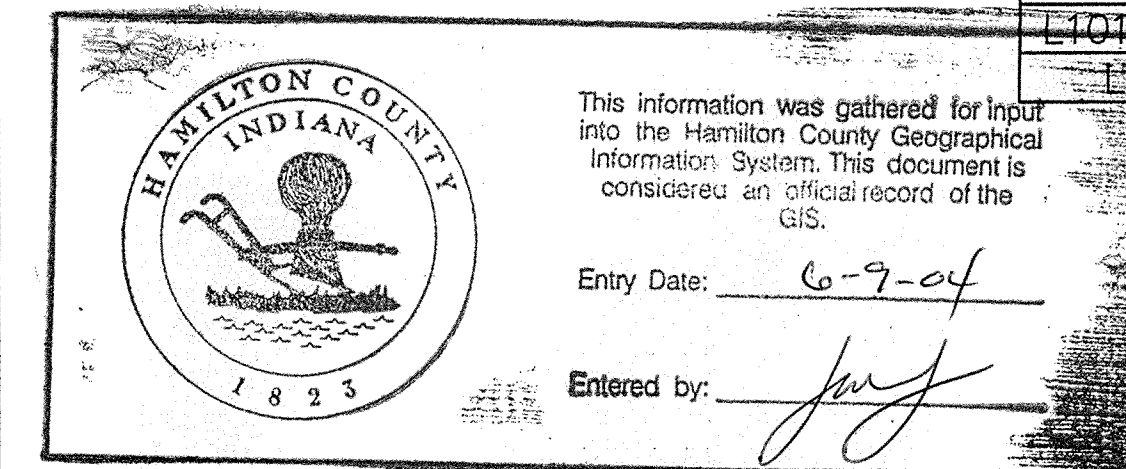


**SOILS MAP**  
SCALE: 1"=600'



**SITE MAP**  
SCALE: 1"=300'

INDEX	
SHEET No.	DESCRIPTION
C100	COVER SHEET
C101-C104	DEVELOPMENT PLAN
C105	STRUCTURE DATA AND INFORMATION
C106-C109	EROSION CONTROL PLAN
C110	EROSION CONTROL DETAILS
C201-C208	STREET PLANS
C301	ENTRANCE PLAN
C302-C304	CUL-DE-SAC & INTERSECTION DETAILS
C305	TRAFFIC CONTROL PLAN
C306	PAVEMENT STRIPING PLAN
C401-C408	SANITARY SEWER PLAN
C601-C610	STORM SEWER PLAN
C701-C704	WATER DISTRIBUTION PLAN
C705	WATER DISTRIBUTION DETAILS
C801-C804	GENERAL DETAILS
C901	SPECIFICATIONS
L101-L104	LANDSCAPING PLAN
L105	LANDSCAPING DETAILS



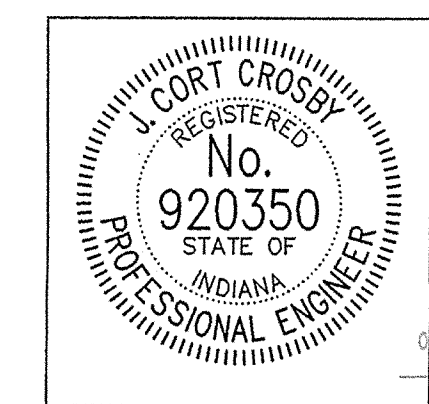
Historic Fort Harrison Architecture  
8901 Otis Avenue Civil Engineering  
Indianapolis, Indiana Environmental Engineering  
46216-1037 Geotechnical Services  
317-826-7100 GIS \* LIS  
317-826-7200 Fax Home Builder Services  
www.schneidercorp.com Interior Design  
Land Surveying  
Landscape Architecture  
Transportation Engineering

**25 MPH DESIGN SPEED**

REVISIONS:	DATE:	BY:	DESCRIPTION:
	05/10/02	PRC	REVISED ALL SHEETS EXCEPT: C803 & C901, ALSO CREATED NEW CS08.
	06/15/02	PRC	C100-C103, C106-C110, C301, C306, C701, C705 & C801 L101-L104 & L105.
	10/14/02	DRP	C100, C101-C104, C106-C109, C201-C208, C301-C306, C401-C408, C601-C610, C701-C704, L101-L105

CERTIFIED BY: J. CORT CROSBY, P.E.  
E-MAIL ADDRESS: ccrosby@schneidercorp.com

PROJECT ENGINEER: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_ DATE CHECKED: \_\_\_\_\_



FILED  
NOV 22 2002

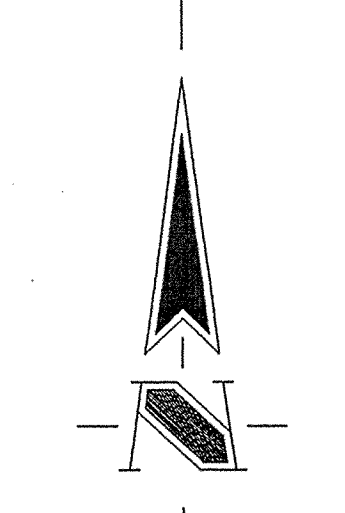
DATE: 11/21/02

SHEET  
**C100**  
OF  
58

RECORD DRAWING

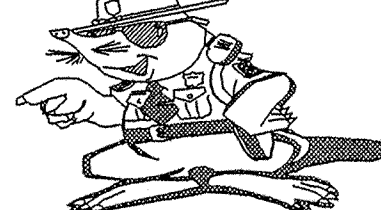


NOTE:  
FOR STRUCTURE DATA  
TABLES SEE SHEET C105  
AND FOR GENERAL NOTES  
AND LEGEND SEE C102.



ASSUMED NORTH  
SCALE: 1"=50'

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.



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.

FRANK E. & JACQUELINE A. FRANKS  
INST. #87-43241

ANDREW T. & RUTHLEEN G. BURNS  
INST. #2000002758

**RECORD DRAWING**

FILE

NOV 22 2002

OFFICE OF HAMILTON COUNTY

REVISIONS:  
1. PRC 05/10/02 SEE DONOVAN BOULEVARD, LAKE #2, SAN. 12 TO 13, STM. 13 TO 12, SWALE SIDE YARD LOT 10, GRADING, ADDED TRASH GUARD NOTE, SECT. CORNER INFO.  
2. PRC 06/13/02 SEE ADJACENT LAND OWNERS E. EMERGENCY FLOOD ROUTING. ALSO ADJACENT LAND OWNERS E. EMERGENCY FLOOD ROUTING. ALSO ADJACENT LAND OWNERS E. EMERGENCY FLOOD ROUTING. ALSO ADJACENT LAND OWNERS E. EMERGENCY FLOOD ROUTING.  
3. PRC 10/14/02 REVISED MAINS, LANDSCAPE WALLS AND SIDEWALKS.

COURT CROSBY  
REGISTERED  
No. 920350  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

*A. Culbert*

DATE: 11/21/02  
THIS DRAWING AND THE IDEAS, DESIGN 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.  
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**Schneider**

THE SCHNEIDER CORPORATION  
Historic Fort Harrison  
6901 Otis Avenue  
Indianapolis, IN 46216-1037  
Telephone: 317.826.7100  
Fax: 317.826.7200  
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Architecture  
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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: PRC	CHECKED BY: JCC
SHEET TITLE: DEVELOPMENT PLAN	
DRAWING FILES: R:\3690\001\DWG\C101 REF: 001B REF: 001S REF: 00001S REF: R:\3690\002\DWG\002B	

SHEET NO.:  
**C101**



**UTILITIES**

**GAS**  
 Vectren  
 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) 744-5771

**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**  
 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.

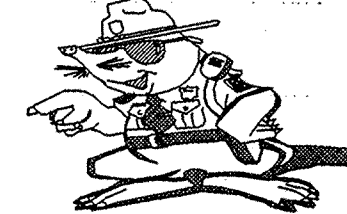
**ELECTRIC**  
 Cinergy/P. S. L.  
 100 Mill Creek Road  
 P.O. Box 312  
 Noblesville, Indiana 46061  
 (800) 531-2232

**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  
 Carmel, Indiana 46032  
 (317) 844-9200

**CABLE TELEVISION**  
 Time Warner  
 916 East Carmel Drive  
 Carmel, Indiana 46032  
 (317) 972-7000

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 DIG  
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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**

- 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.
- 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.
- 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.
- 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.

**BENCHMARK**

BM- DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED "LEE 2 1989" AT THE SOUTHEAST CORNER OF 131ST STREET AND SHELBOURNE 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 SHELBOURNE 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 SHELBOURNE 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).

**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.

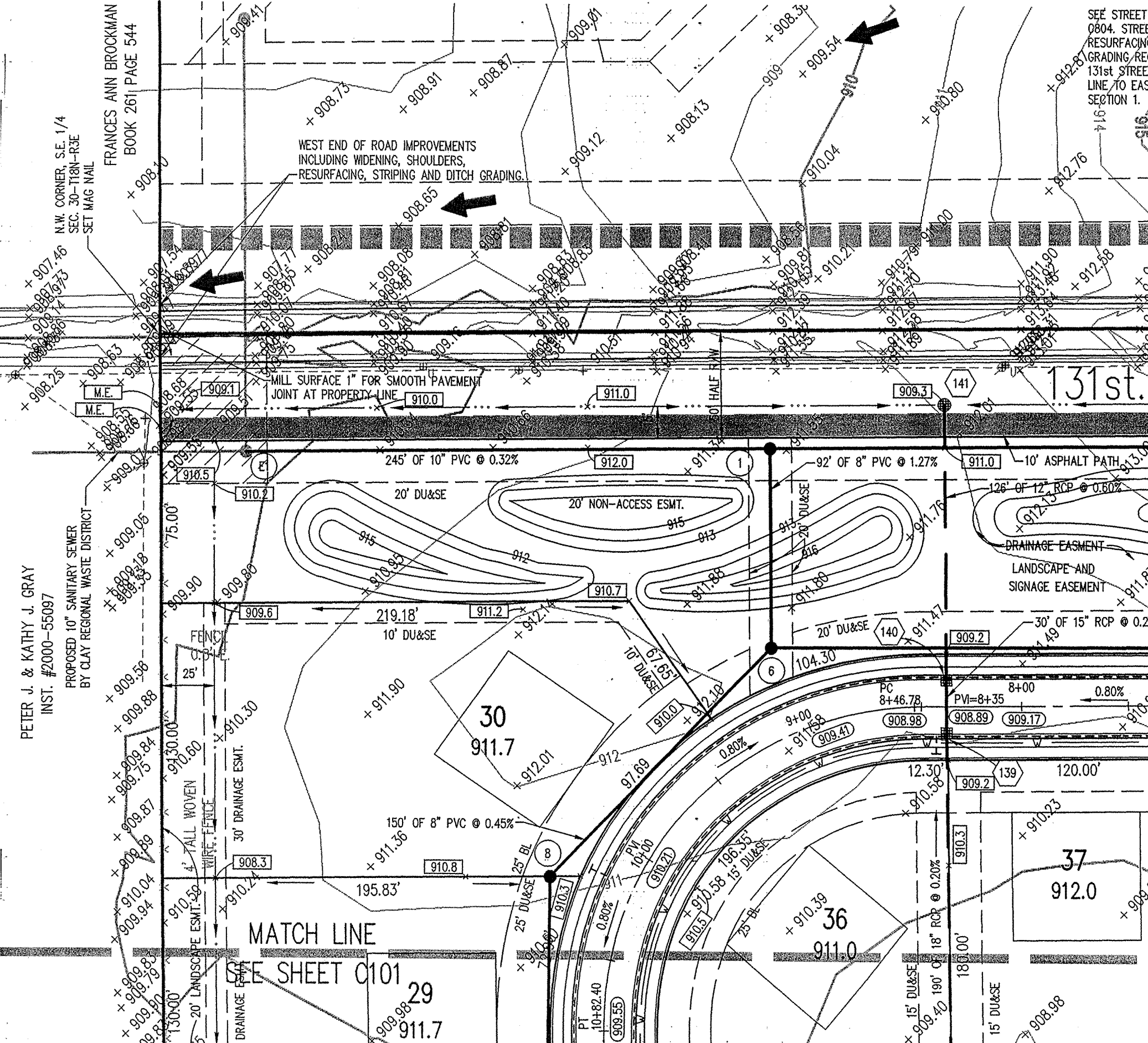


**LEGEND**

- Existing Storm Sewer
- New Storm Sewer
- Existing Sanitary Sewer
- New Sanitary Sewer
- Subsurface Drain
- Existing Contour
- Existing Elevation
- New Pavement Elevations
- All Other Finish Elevations
- Corrected Elevations
- Storm Structure Number
- Sanitary Structure Number
- Flow Arrow
- Meet Existing Elevation
- Denotes Pad Elevation and Approximate Pad Size
- Emergency Flood Routing

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

**RECORD DRAWING**



**REVISIONS:**

1. PRC 05/10/02 REV. BOTH ENTRANCES, ADD LINES OUT, STOP BARS, TURN ARROWS & ALL PAVES TO & CONCRETE AT ALL CORNERS, REV. SAN. 22 LOCATION, S.M. INTO STRENGTHEN ON 131ST STREET AND MOUNDING, ADD FLOOD ROUTING, SECT. CORNER INFO. & ADJACENT LAND OWNERS.
2. PRC 05/15/02 REV. SANITARY AND STORM SEWER TRENCHES, ADD ROAD IMPROVEMENTS FOR 131ST.
3. PRC 10/14/02 REV. STREET MOUNDING, LANDSCAPE WALLS AND SIDEWALKS.
4. PRC 11/04/02 REVISED LANDSCAPE MOUNDING ON STORM RUNS STR. 140-141 & 147-152.

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

DATE: 11/24/02

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**CLAYBOURNE SECTION 1**

CARMEL, INDIANA  
 BOOMERANG DEVELOPMENT, LLC  
 FISHERS, INDIANA

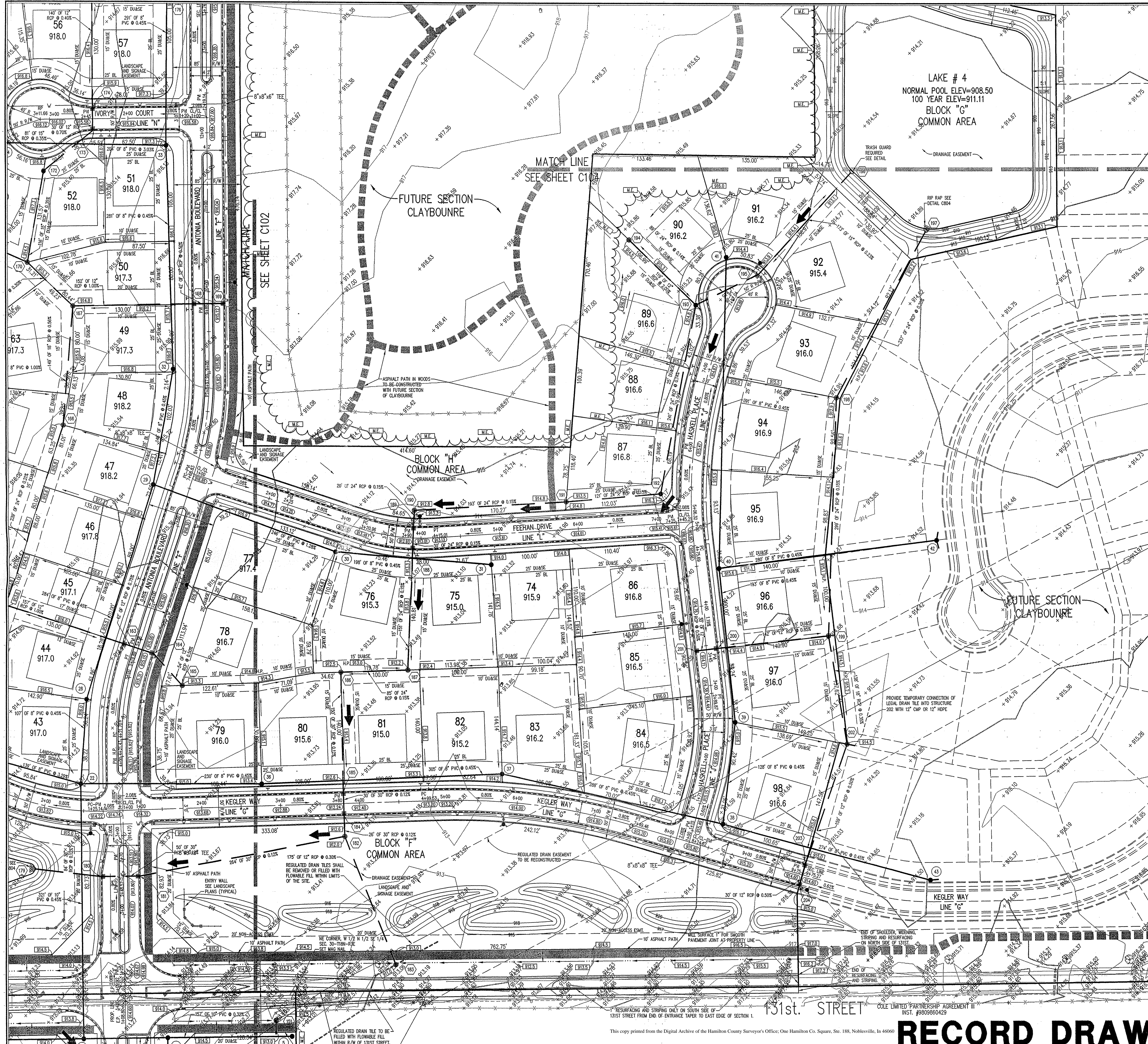
DATE: 01/31/02 PROJECT NO: 3690.001  
 DRAWN BY: PRC CHECKED BY: JCC  
 SHEET TITLE: DEVELOPMENT PLAN  
 DRAWING FILES:  
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 XREF: R:\3\3690\002\DWG\00285

SHEET NO:  
**C102**

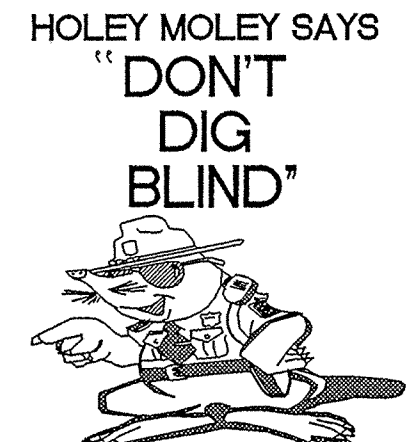
ASSUMED NORTH  
 SCALE: 1"=50'

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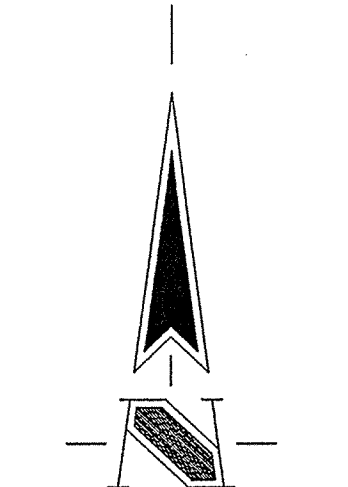




LAKE LINER NOTE  
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 CALL TOLL FREE  
 PER INDIANA STATE LAW 15-68-1991,  
 IT IS AGAINST THE LAW TO EXCAVATE  
 WITHOUT NOTIFYING THE UNDERGROUND  
 LOCATION SERVICE TWO (2) WORKING  
 DAYS BEFORE COMMENCING WORK.



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).
- 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).

**LEGEND**

- Existing Storm Sewer
- New Storm Sewer
- Existing Sanitary Sewer
- New Sanitary Sewer
- Subsurface Drain
- Existing Contour
- Existing Elevation
- New Pavement Elevations
- All Other Finish Elevations
- Corrected Elevations
- Storm Structure Number
- Sanitary Structure Number
- Flow Arrow
- Meet Existing Elevation
- Denotes Pad Elevation and Approximate Pad Size
- Emergency Flood Routing

**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 SCORES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS, CONTRACTION JOINTS AND PERPENDICULAR TO SIDEWALKS AT 8' 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.
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.

NOTE:  
 FOR STRUCTURE DATA  
 TABLES SEE SHEET C105.

REVISIONS:  
 1. PRC 05/10/02 ADDED FLOOD ROUTING, ADJUSTED LAND OWNERS, REV. ENTRANCES & STM 180 TO BE, ALSO REV. LINES ON 131ST STREET & ADDED STRIPING.  
 2. PRC 06/13/03 REVISED FLOOD ROUTING, ADJUSTED LAND OWNERS, REV. ENTRANCES & STM 180 TO BE, ALSO REV. LINES ON 131ST STREET & ADDED STRIPING.  
 3. PRC 10/14/02 REVISED MOUNDING, LANDSCAPE WALLS AND SIDEWALKS.

J. CORT CROSBY  
 REGISTERED  
 No. 920350  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
 DATE: 11/21/02  
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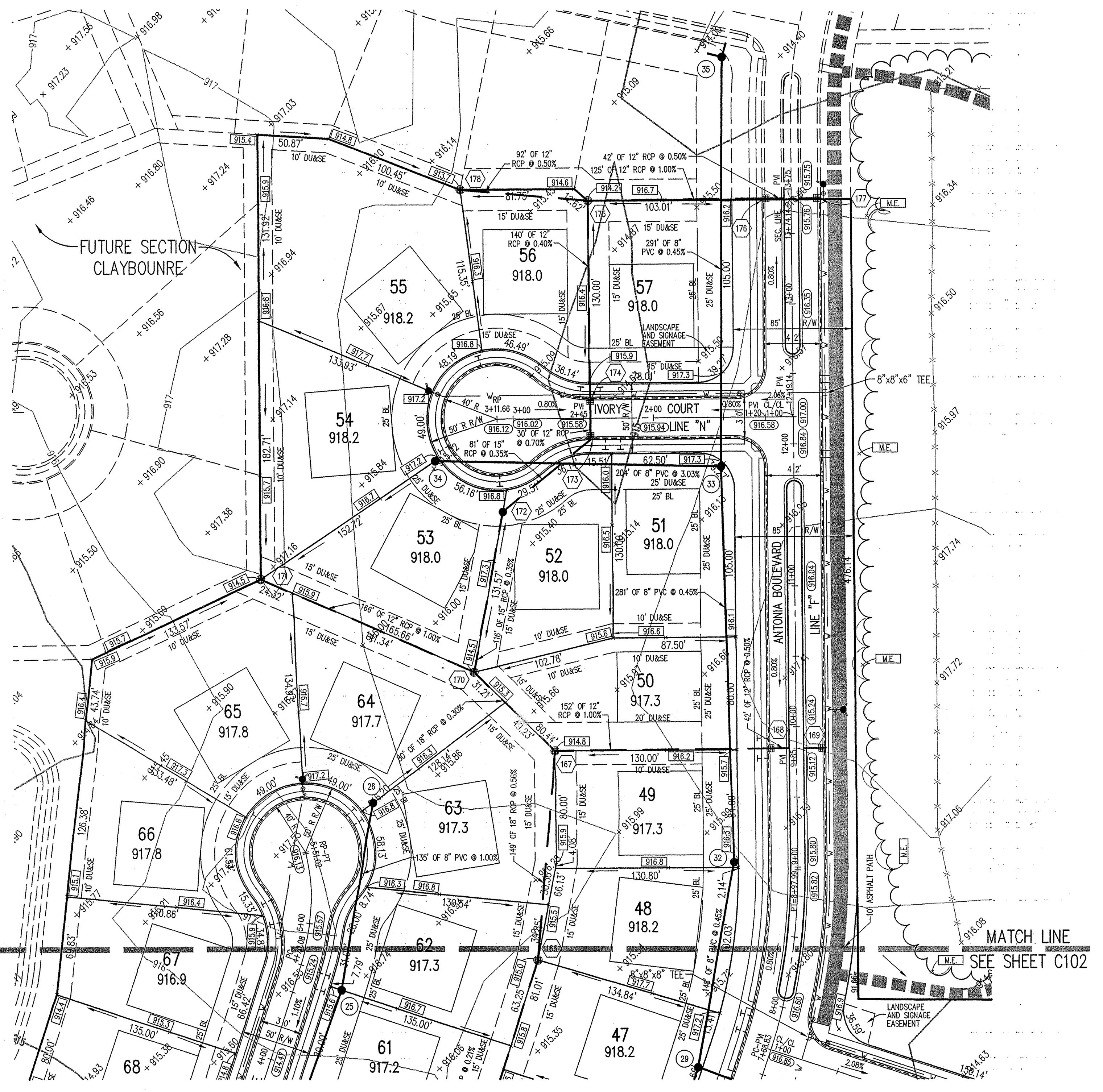
CLAYBOURNE SECTION 1

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: DEVELOPMENT PLAN  
 DRAWING FILES:  
 R:\3690\001\DWG\S\C101  
 XREF: 001185  
 XREF: 001185  
 XREF: 36900011  
 XREF: R:\3690\002\DWG\S\C00285  
 SHEET NO.: 222/37  
 FOR: PROJECT SURVEYOR  
 OFFICE OF: C103

**RECORD DRAWING**



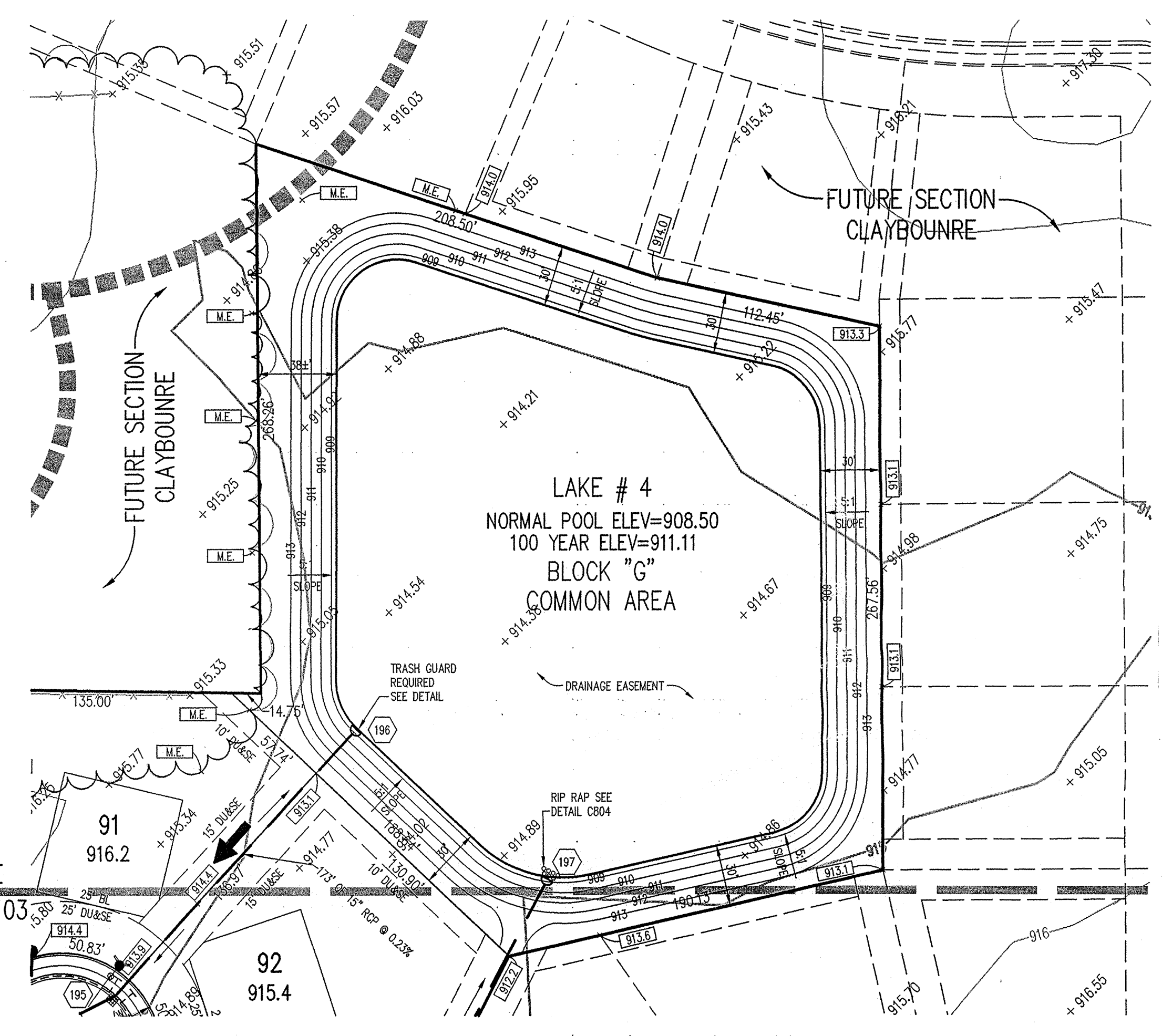
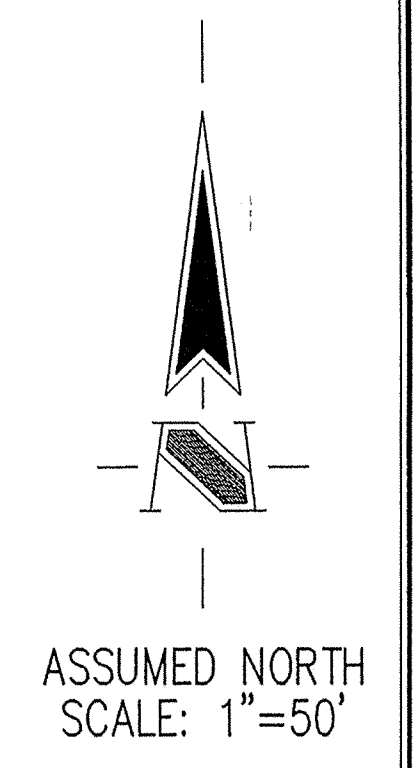


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UTILITIES

- GAS**  
Wecton  
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) 742-8771
- 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**  
Genergy/P. S. L.  
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) 778-8495
- SANITARY SEWERS**  
Clay Township Regional Waste District  
10701 North College Avenue, Suite A  
Indianapolis, Indiana 46240  
(317) 844-9200
- CABLE TELEVISION**  
Time Warner  
516 East Carmel Drive  
Carmel, Indiana 46032  
(317) 972-9700

RECORD DRAWING

J. CORT CROSBY  
REGISTERED  
No. 920350  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
DATE: 11/21/02  
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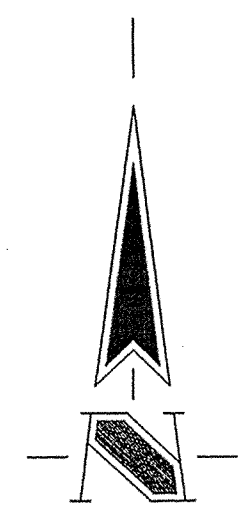
CLAYBOURNE SECTION 1  
CARMEL, INDIANA  
BOOMERANG DEVELOPMENT, LLC  
FISHERS, INDIANA

DATE: 01/31/02 PROJECT NO.: 3690.001  
DRAWN BY: PRC CHECKED BY: JCC  
SHEET TITLE: DEVELOPMENT PLAN  
DRAWING FILES:  
R:\3\3690\001\DWG\C101  
XREF: 00185  
XREF: 00185  
XREF: 3690001T  
XREF: R:\3\3690\002\DWG\002B5  
SHEET NO.: C104



MATCH LINE  
SEE SHEET C102

NOTE:  
FOR STRUCTURE DATA  
TABLES SEE SHEET C105  
AND FOR GENERAL NOTES  
AND LEGEND SEE C102.



ASSUMED NORTH  
SCALE: 1"=50'

HOLEY MOLEY SAYS  
"DON'T  
DIG  
BLIND"



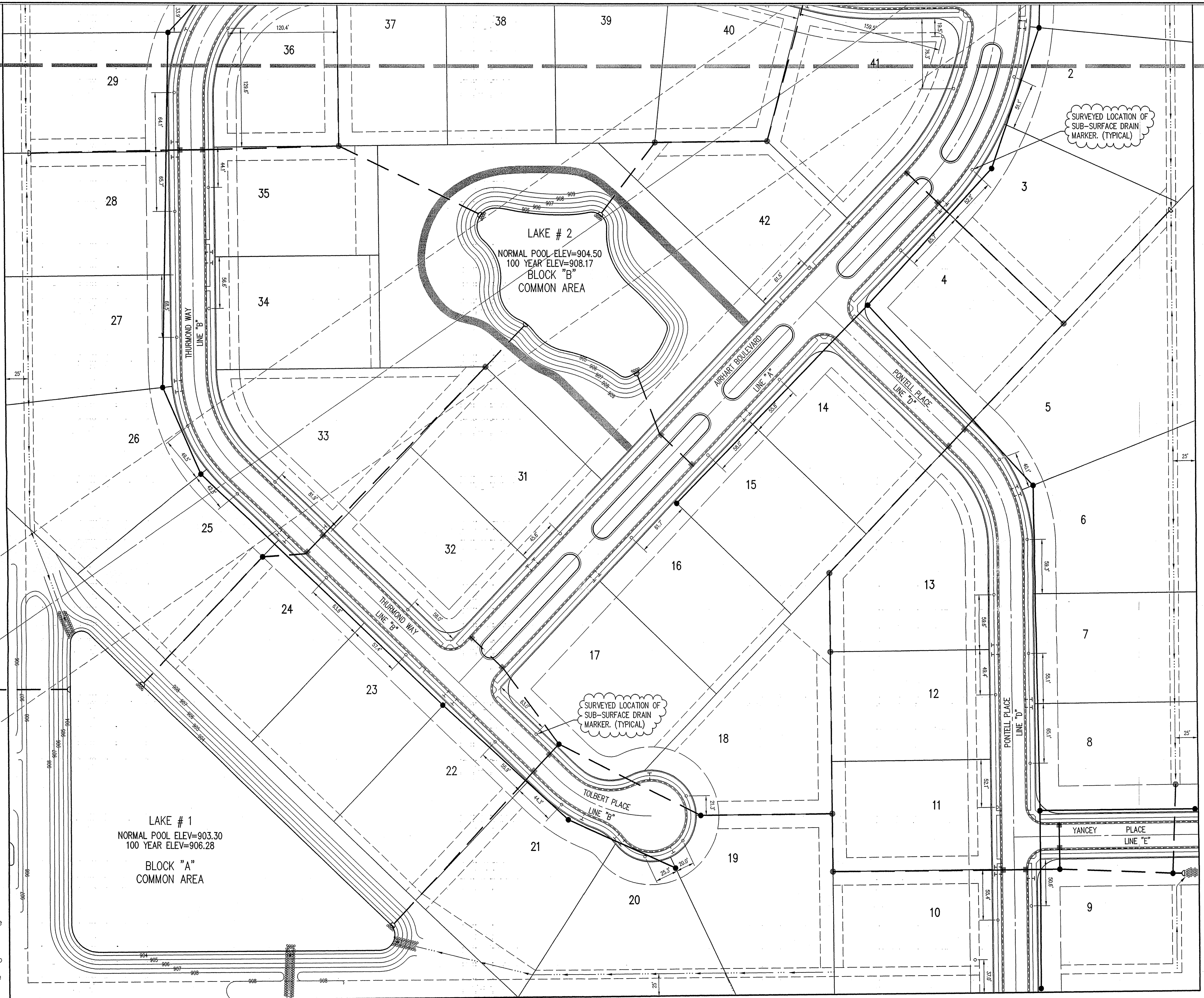
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FRANK E. FRANKS  
INST. #9909939999

PETER J. & KATHY J. GRAY  
INST. #000-55097

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FRANK E. & JACQUELINE A. FRANKS  
INST. #97-43241



LAKE # 2  
NORMAL POOL ELEV=904.50  
100 YEAR ELEV=908.17  
BLOCK "B"  
COMMON AREA

LAKE # 1  
NORMAL POOL ELEV=903.30  
100 YEAR ELEV=906.28  
BLOCK "A"  
COMMON AREA

ANDREW T. & RUTHELEN G. BURNS

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# SUB-SURFACE DRAIN RECORD DRAWING

FILED  
NOV 22 2002

OFFICE OF HAMILTON COUNTY ENGINEERING

COLE LIMITED PARTNERSHIP AGREEMENT III  
INST. #800880429

REVISIONS:  
1. PRC 05/10/02 REV. DONOVAN BOULEVARD, LAKE #2, SAIL TO 13, SIM. 13 TO 132, SWALE AND LAY TO GRADING ADDED. REVISION TO BE FILED IN THE OFFICE OF HAMILTON COUNTY ENGINEERING.  
2. PRC 06/13/02 ADDED REGULATED DRAIN TILE NOTES, WATERLINE SAMPLE STATION & CALL.  
3. DPC 10/17/02 REVISIONS: LANDSCAPE WALLS AND SIDEWALKS.

CURT CROSBY  
REGISTERED  
No. 920350  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

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: PRC	CHECKED BY: JCC
SHEET TITLE: STORM SEWER PLAN SUBSURFACE DRAIN LOCATIONS	
DRAWING FILES: R:\3690\3690\DWG\3690\01XSRD XREF: 001BS XREF: 001LBS XREF: 3690001 XREF: R:\3690\3690\DWG\3690\002BS	
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