

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

October 11, 2005

TO: Hamilton County Drainage Board

RE: Lion Creek Drain, Claybourne Section 3 Arm

Attached is a petition filed by Boomerang Development, LLC along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Claybourne Section 3 Arm, Lion Creek Drain to be located in Clay Township. 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	8,922 ft.	24" RCP	379 ft.
12" RCP	2,100 ft.	27" RCP	886 ft.
15" RCP	157 ft.	30" RCP	906 ft.
18" RCP	683 ft.	Open Ditch	2,952 ft.

The total length of the drain will be 16,985 feet.

The open ditch listed above is the following described lengths.

Lion Creek Main Channel:

Begin 185 feet east of the South West Corner along the south line of Common Area #3 for the Secondary Plat of Longridge Estates Section One; thence follow the natural stream in a southwesterly direction approximately 1040 feet to the west property line of parcel 17-09-19-00-00-037.000. Note, 19 feet of ditch is enclosed just south of Longridge Estates under a private Drive. This pipe is an 18" RCP.

Arm 1:

The arm begins at the outlet of Pond #6 of Claybourne Section 2, which is Structure 266, and runs in a northwesterly direction for roughly 412 feet and terminating in the main channel of Lion Creek at approximate Sta. 8+65.

Arm 2:

The arm begins at the outlet of Pond #5, which is Structure 264 of Claybourne Section 3 and runs in a northwesterly direction for roughly 715 feet and terminating in the main channel of Lion Creek at approximate Sta. 5+51.

Also included as open ditch is the swale which is between Shelborne Road and Lake #5 in Common Area "N". The swale begins at structure 335 and runs west 785 feet to Lake #5. The swale from structure 333 to Lake #5 will not be regulated at this time and will become part of the regulated drain with the Longridge Estates Lacrosse Fields.

The retention ponds (lakes) located in Common Area Block "O", Lake #7 and "N", Lake #5 are to be considered part of the regulated drain. Pond maintenance shall include the inlet, outlet, sediment removal and erosion control along the banks as part of the regulated drain. The maintenance of the pond (lake), such as mowing and aquatic vegetation control, will be the responsibility of the Homeowners Association. The Board will also retain jurisdiction for ensuring the storage volume for which the pond (lake) was designed will be retained. Thereby, allowing on 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 for common areas, \$65.00 per platted lot, \$10.00 per acre for roadways, with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$5,873.30.

Also, at this time the Board should revise the assessment for common areas within Regulated Drain Subdivisions within this watershed. In the report for Lion Creek Drain, Claybourne Section 2, Dated December 18, 2003, which was approved at hearing by the Board on January 26, 2004 (DB Minutes Book 7, pages 322-324), the rate for common areas were set at \$5.00 per acre, instead of \$10.00 per acre. At this time the rate should be revised and set at the \$10.00 per acre for common areas within Regulated Drain Subdivisions.

The petitioner has submitted surety for the proposed drain at this time. The sureties, which are in the form of a Performance Bond are as follows:

Agent: Bond Safeguard Insurance Company	Agent: Bond Safeguard Insurance Company
Date: October 13, 2004	Date: October 13, 2004
Number: 5012815	Number: 5012808
For: Storm Sewers & Subsurface Drains	For: Erosion Control
Amount: \$207,322.50	Amount: \$116,600.00

Parcels assessed for this drain may be assessed for the Little Eagle 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.

Included with this report is a letter from Marylou Hiatt, owner of parcel 17-09-19-00-00-037.000, consenting to Lion Creek becoming a regulated drain across her parcel. Lion Creek Drain will place new easement on the parcel owned by Marylou Hiatt. The easement width will be twenty-five (25) feet from the top of bank where the drain is on parcel 17-09-19-00-00-037.000 or runs along the property line of that parcel.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. The request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Claybourne, Section 3 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for January 26, 2006.



Kenton C. Ward
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

TO: HAMILTON COUNTY DRAINAGE BOARD
% Hamilton County Surveyor
One Hamilton County Square, Suite 188
Noblesville, IN. 46060-2230

In the matter of Claybourne Subdivision, Section
Three Drain Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Claybourne, Section 3, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefited thereby. Petitioner believes the proposed improvements will:

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

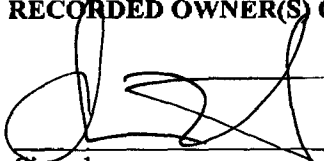
Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond or Non-Revocable Letter of Credit for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 120% of the Engineer's estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.
3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain file.
4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" Mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioners cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain as per IC 36-9-27-69(d).

RECORDED OWNER(S) OF LAND INVOLVED


Signed _____

CHRISTOPHER W. WIRTH, MEMBER
Printed Name

9-20-04
Date

Signed _____

Printed Name _____

Date _____

Signed _____

Printed Name _____

Date _____

Signed _____

Printed Name _____

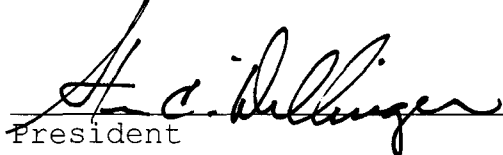
Date _____

FINDINGS AND ORDER
CONCERNING THE MAINTENANCE OF THE
Lion Creek Drain, Claybourne Section 3 Arm


On this **23rd day of January 2006**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Lion Creek Drain, Claybourne Section 3 Arm**.

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: 

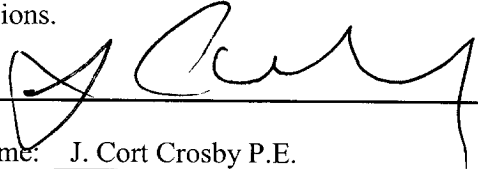
Loretta Mastbaum

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR
RE: Claybourne, Section 3

I hereby certify that:

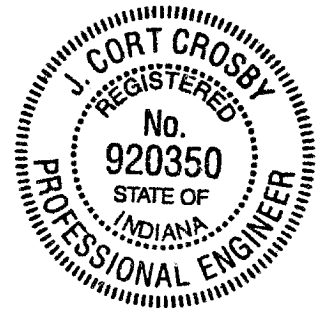
1. I am a Register Engineer in the State of Indiana
2. I am familiar with the plans and specifications for the above referenced subdivision.
3. I have personally observed and supervised the completion of the Drainage Facilities for the above referenced subdivision, and
4. To the best of my knowledge, information and belief, the Drainage Facilities within the subdivision has been installed and completed in conformity with all plans and specifications.

Signature:  Date: 10/17/05
Type or print name: J. Cort Crosby P.E.

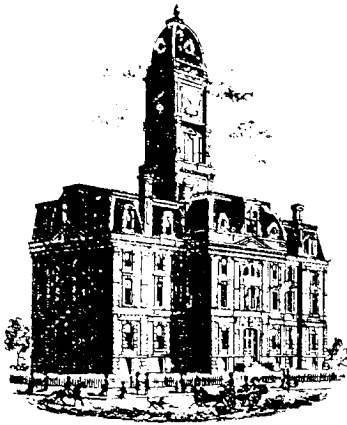
Business /Address: The Schneider Corporation
8901 OTIS AVENUE, INDIANAPOLIS, IN 46216

Telephone: (317) 826-7306

SEAL



INDIANA REGISTRATION NUMBER
PE 920350



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, CFM
 Surveyor of Hamilton County
 Phone (317) 776-8495
 Fax (317) 776-9628

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

To: Hamilton County Drainage Board

February 7, 2007

Re: Lion Creek Drain: Claybourne Section 3

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

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated October 11, 2005. The report was approved by the Board at the hearing held January 23, 2006. (See Drainage Board Minutes Book 9, Pages 50-52)

The changes are as follows:

Structure:	Length:	Size:	Material:	Up Invert:	Dn Invert	Grade:	Changes:
328-327	30	12	RCP	911.4	907.46	1.8	
327-319	116	12	RCP	907.46	906.57	0.77	1
322-331	417	30	RCP	906.24	906	0.12	-11
331-323	64	30	RCP	906.24	906.16	0.13	2
323-322	139	30	RCP	906.16	905.96	0.14	-2
322-321	21	30	RCP	905.96	905.84	0.19	1
321-320	30	30	RCP	905.92	905.84	0.27	
320-319	157	30	RCP	905.84	905.96	0.17	
319-318	67	30	RCP	905.57	905.37	0.3	-1
310-311	125	18	RCP	905	904.81	0.17	
311-312	30	18	RCP	905.08	905.02	0.2	
312-313	39	18	RCP	905.67	905.4	0.82	-3
313-314	128	18	RCP	905.67	905.4	0.21	-14
326-325	94	12	RCP	909.8	909.4	0.43	-7
325-324	121	12	RCP	909.4	908.79	0.5	-1
324-323	135	12	RCP	908.79	906.16	1.36	-1
250-249	66	24	RCP	907.37	907.02	0.53	
249-248	36	24	RCP	907.02	906.71	0.86	
248-247	158	24	RCP	906.71	905.99	0.46	1
247-246	112	24	RCP	905.99	905.3	0.62	-8
285-284	30	12	RCP	907.64	907.43	0.7	
284-283	140	12	RCP	907.43	905.59	1.31	

283-282	45	18	RCP	905.28	905.1	0.4	
281-280	150	18	RCP	904.85	901.63	2.15	
280-279	118	18	RCP	901.63	898.97	2.25	-1
245-244	56	12	RCP	912.88	912.53	0.63	2
244-243	141	12	RCP	912.53	911.65	0.62	-2
243-239A	360	12	RCP	911.65	908.39	0.91	2
235-238	158	27	RCP	906.99	906.75	0.15	1
238-239	36	27	RCP	906.75	906.67	0.22	
239-239A	154	27	RCP	906.67	906.49	0.12	-3
239A-239B	400	27	RCP	905.94	905.39	0.41	
239B-239C	133	27	RCP	905.94	905.39	0.41	-3
334-333	27	12	RCP	914.45	913.86	2.19	2
265-264	346	12	RCP	905.49	903.94	0.44	1
336-335	20	12	RCP	914.36	913.93	2.15	
256-255	36	12	RCP	913.94	910.19	0.5	
255-254	159	15	RCP	910.01	909.26	0.31	2
330-329	30	12	RCP	908.43	908.04	1.3	
329-322	116	12	RCP	908.04	905.96	0.6	1
317-310	298	12	RCP	908.06	906.46	0.54	-2
281-282	30	18	RCP	905.1	904.85	0.83	

The length of the drain due to the changes described above is now **16,843 feet**.

The non-enforcement was approved by the Board at its meeting on January 23, 2006 and recorded under instrument #200600004921.

The following sureties were guaranteed by Bond Safeguard Insurance Company and released by the Board on its January 23, 2006 meeting.

Bond-LC No: 5012815

Insured For: Storm Sewers & Subsurface Drains

Amount: \$207,322.50

Issue Date: October 13, 2004

Bond-LC No: 5012808


Insured For: Erosion Control

Amount: \$116,600.00

Issue Date: October 13, 2004

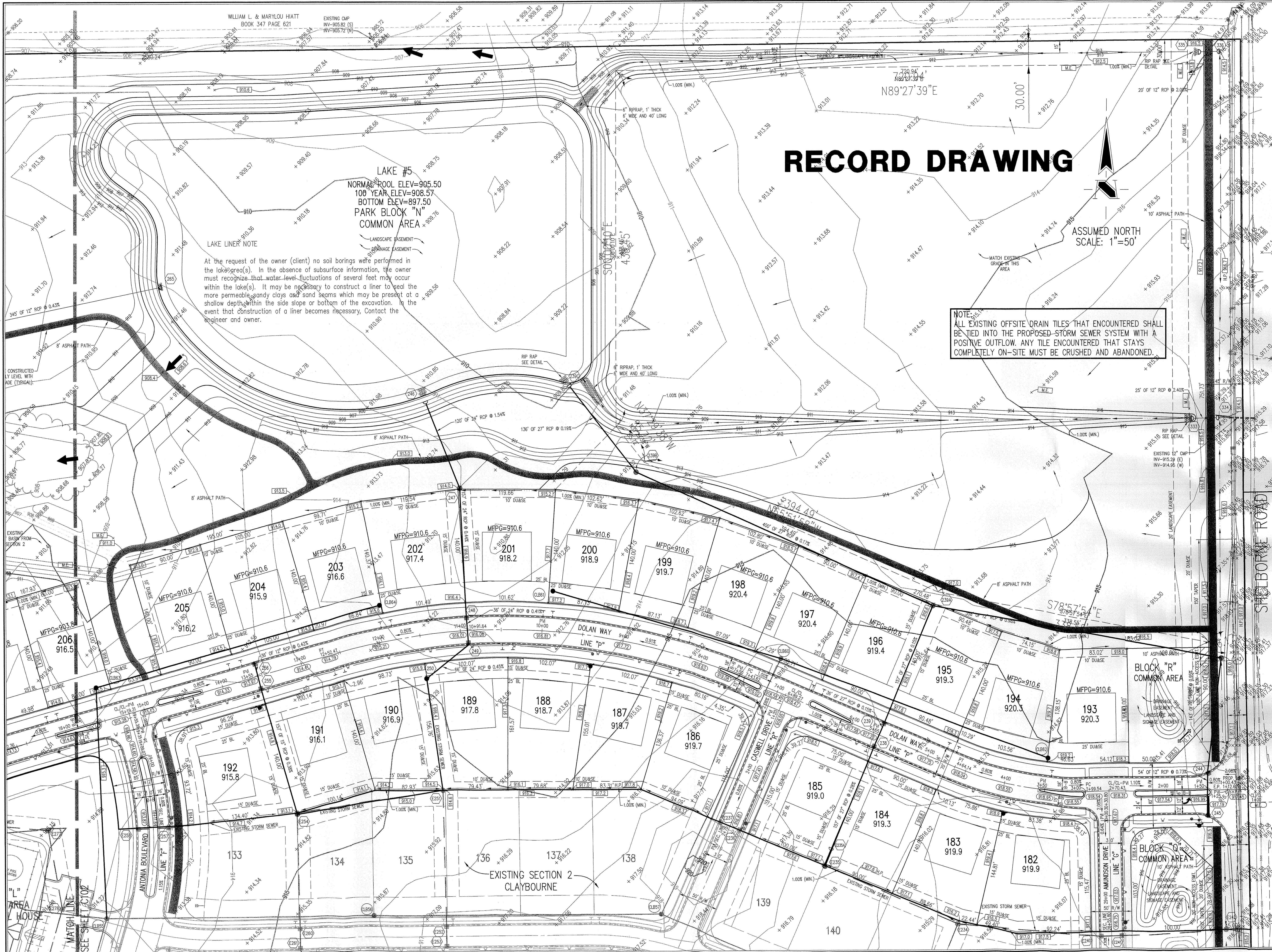
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm



RECORD DRAWING

ASSUMED NORTH
SCALE: 1"=50'

NOTE:
ALL EXISTING OFFSITE DRAIN TILES THAT ENCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW. ANY TILE ENCOUNTERED THAT STAYS COMPLETELY ON-SITE MUST BE CRUSHED AND ABANDONED.

LAKE #5
NORMAL POOL ELEV=905.50
100 YEAR ELEV=908.57
BOTTOM ELEV=897.50
PARK BLOCK "N"
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.

REVISED: 1. PRC 09/16/04 MOVED LINE IN WEST REVERSE GRAVING & PARIS IN C.A. BLOCK "N". REISED STORM SEWER LINE IN OUTLET, ENTRANCE ON TO SHELBOURNE ROAD. ADD 24" DIA. 15' DUCTILE IRON PIPE (DIP) TO SHELBOURNE ROAD. 2. PRC 10/15/04 ADDED FLOW ARROW IN BLOCK "N" & REAR LOT CHANGES & LOTS. NOTE: TO REMAIN. BOUNDARY. ALSO ADJUSTED ENTRY LANE & TAPERS. ALSO ADDED TO ANTONIA BOULEVARD.

Professional Engineer
No. 920350
STATE OF INDIANA
DATE: 10/17/05
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CLAYBOURNE SECTION 3

BOOMERANG DEVELOPMENT, LLC
CARMEL, INDIANA
FISHERS, INDIANA

DATE: 06/28/04 PROJECT NO.: 3690.003
DRAWN BY: PRC CHECKED BY: JCC
SHEET TITLE: DEVELOPMENT PLAN

DRAWING FILES:
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XREF: 003B5
XREF: R:\3690\002\DWG\002LBS
XREF: R:\3690\001\DWG\001S
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XREF: R:\3690\001\DWG\001SPOONT
XREF: R:\3690\001\DWG\001SBS
XREF: 003LBS, STANFORD PARK

SHEET NO.: **C101**

NOTE:
IMPROVEMENTS TO LION'S CREEK WILL BE REQUIRED ACCORDING TO DETAIL CD-4 ON SHEET C802 AND WILL INCLUDE REPAIR OF ERODED AREAS DEBRIS REMOVAL FROM CHANNEL, ARMORMENT AND CLEARING. FINAL SCOPE OF WORK WILL BE DETERMINED IN ON-SITE MEETING. OFF-SITE IMPROVEMENTS MAY ALSO BE REQUIRED.

CERTIFICATION FOR
"RECORD DRAWING"

SUB-SURFACE DRAIN RECORD DRAWING

NOTE:
Record drawing certification for sub-surface drain marker

NOTE:
FOR STRUCTURE DATA
TABLES SEE SHEET C103.

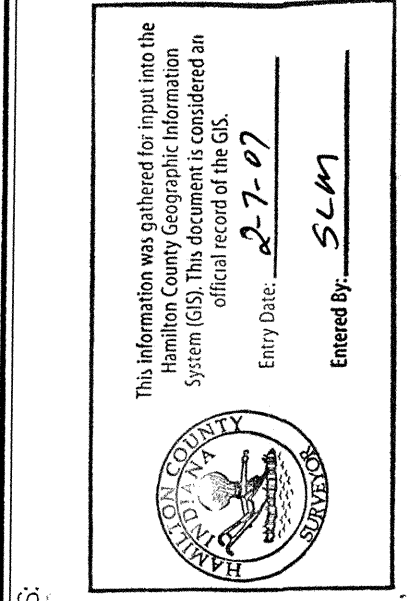
ASSUMED NORTH
SCALE: 1"=50'

EXISTING LAKE #6
NORMAL POOL ELEV=899.0
100 YEAR ELEV=901.70
BOTTOM ELEV=889.0

SURVEYED LOCATION OF
SUB-SURFACE DRAIN
MARKER. (TYPICAL)

EXISTING SECTION 2
CLAYBOURNE

BLOCK "L"
COMMON AREA
FUTURE POOL HOUSE



U.C. REGISTERED
No. 920350
STATE OF INDIANA
PROFESSIONAL ENGINEER

DATE: 10/17/05

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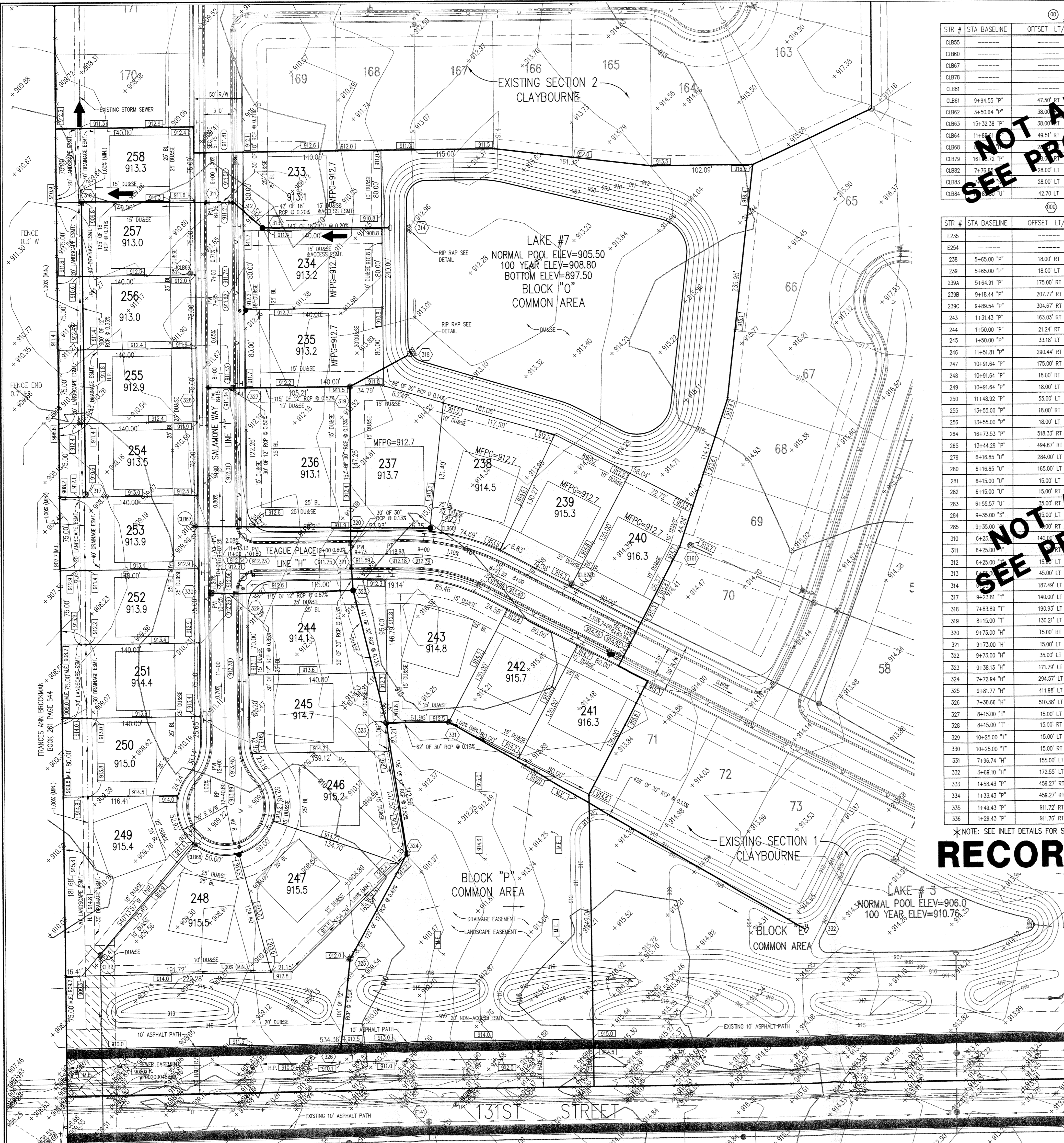
CLAYBOURNE SECTION 3

CARMEL, INDIANA

BOOMERANG DEVELOPMENT, LLC
FISHERS, INDIANA

DATE: 06/28/04 PROJECT NO: 3690.003
DRAWN BY: DRP CHECKED BY: JCC
SHEET TITLE: SUB-SURFACE DRAIN "RECORD DRAWING"
DRAWING FILES:
R:\3\3690\003\DWG\C101SRD
REF: R:\3\3690\002\DWG\002LBS
REF: R:\3\3690\001\DWG\001BS
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REF: R:\3\3690\001\DWG\001BS
REF: R:\3\3690\001\DWG\001BS
REF: R:\3\3690\001\DWG\001BS
SHEET NO:

C102



⑥ SANITARY SEWER TABLE

STR #	STA BASELINE	OFFSET	LT/RT	TYPE	TC	INVERTS
CLB55	-----	-----	-----	EXISTING MANHOLE	916.18	905.00 (E), 904.80 (S)
CLB60	-----	-----	-----	EXISTING MANHOLE	916.18	910.00 (NW), 910.44 (SE)
CLB67	-----	-----	-----	EXISTING MANHOLE	897.77	897.77 (S), 894.62 (SW)
CLB78	-----	-----	-----	EXISTING MANHOLE	915.30	915.30 (E), 904.62 (SW)
CLB81	-----	-----	-----	MANHOLE	915.30	911.81 (SE)
CLB62	9+94.55 "P"	47.50' RT		MANHOLE	915.50	912.01 (NW)
CLB63	3+50.64 "P"	38.00' RT		MANHOLE	915.80	906.56 (NE), 906.36 (S)
CLB64	11+88.00 "P"	49.51' RT		MANHOLE	916.50	908.13 (SW)
CLB68	-----	-----	-----	MANHOLE	913.10	905.90 (W)
CLB79	16+88.72 "P"	38.00' RT		MANHOLE	915.20	907.05 (SW)
CLB82	7+76.80 "P"	28.00' LT		MANHOLE	912.10	903.92 (SE), 903.82 (NE), 903.72 (SW)
CLB83	28.00' LT			MANHOLE	913.20	906.20 (NW)
CLB84	42.70' LT			MANHOLE	911.40	905.20 (SW)

⑥ STORM SEWER TABLE

STR #	STA BASELINE	OFFSET	LT/RT	TYPE	TC	INVERTS
E235	-----	-----	-----	EX. BEEHIVE INLET	917.11	912.48 (NW), EX-907.16 (NE&E)
E234	-----	-----	-----	EX. BEEHIVE INLET	913.17	909.40 (NW), EX-909.47 (W), EX-909.87 (NE&S)
238	5+85.00 "P"	18.00' RT		CURB INLET	917.23	906.72 (SW&E)
239	5+85.00 "P"	18.00' LT		CURB INLET	917.23	906.67 (SW&E)
239A	5+84.91 "P"	175.00' RT		BEEHIVE INLET	916.60	908.00 (SE), 906.43 (SW&NW)
239B	9+18.44 "P"	207.77' RT		BEEHIVE INLET	915.20	905.75 (SE&W)
239C	9+89.54 "P"	304.67' RT		END SECTION		905.50
243	1+31.43 "P"	163.05' RT		BEEHIVE INLET	916.00	911.50 (S&NW)
244	1+50.00 "P"	21.24' RT		CURB INLET	916.89	912.85 (S&N)
245	1+50.00 "P"	33.18' LT		CURB INLET	916.89	913.25 (N)
246	11+51.81 "P"	290.44' RT		END SECTION		905.50
247	10+91.64 "P"	175.00' RT		BEEHIVE INLET	914.00	907.34 (S&NE)
248	10+91.64 "P"	18.00' RT		CURB INLET	916.08	908.03 (S&N)
249	10+91.64 "P"	18.00' LT		CURB INLET	916.08	908.18 (SW&W)
250	11+48.92 "P"	55.00' LT		STORM MANHOLE	916.20	908.48 (NE), EX-908.48 (S)
255	13+55.00 "P"	18.00' RT		CURB INLET	913.97	910.10 (NW), 910.00 (SE)
256	13+55.00 "P"	18.00' LT		CURB INLET	913.97	910.25 (SE)
264	16+73.53 "P"	518.33' RT		END SECTION		905.50
265	13+44.29 "P"	494.67' RT		END SECTION		905.50
279	6+16.85 "U"	284.00' LT		END SECTION		905.50
280	6+16.85 "U"	165.00' LT		BEEHIVE INLET	910.26	906.10 (NE), 905.60 (SE&W)
281	6+15.00 "U"	15.00' LT		BEEHIVE INLET	910.26	906.25 (E&NW)
282	6+15.00 "U"	15.00' RT		BEEHIVE INLET	910.26	906.25 (E&NW)
283	6+55.57 "U"	35.00' LT		STORM MANHOLE	911.20	906.10 (NE), 905.60 (SE&W)
284	9+35.00 "S"	15.00' LT		BEEHIVE INLET	911.34	907.40 (NE&SW)
285	9+35.00 "S"	15.00' RT		BEEHIVE INLET	911.34	907.60 (SW)
310	6+23.00 "U"	140.00' LT		BEEHIVE INLET	909.80	907.00 (S), 904.80 (E), EX-904.80 (N)
311	6+25.00 "U"	140.00' LT		BEEHIVE INLET	911.21	905.06 (E&W)
312	6+25.00 "U"	15.00' LT		CURB INLET	911.21	905.13 (SE&W)
313	6+25.00 "U"	45.00' LT		STORM MANHOLE	911.50	905.21 (E&NW)
314	6+25.00 "U"	187.49' LT		END SECTION		905.50
317	9+23.81 "U"	140.00' LT		BEEHIVE INLET	910.60	908.00 (N)
318	7+83.89 "U"	190.93' LT		END SECTION		905.50
319	8+15.00 "U"	130.21' LT		BEEHIVE INLET	911.50	906.85 (W), 905.60 (S&NE)
320	9+73.00 "U"	15.00' RT		CURB INLET	911.59	905.84 (S&N)
321	9+73.00 "U"	15.00' LT		CURB INLET	911.59	905.84 (S&N)
322	9+73.00 "U"	35.00' LT		STORM MANHOLE	912.20	907.25 (W), 905.87 (SE&N)
323	9+38.13 "U"	171.79' LT		BEEHIVE INLET	911.80	908.30 (SE), 906.05 (E&NW)
324	7+72.94 "U"	294.57' LT		BEEHIVE INLET	912.20	909.00 (SW&NW)
325	9+81.77 "U"	411.98' LT		BEEHIVE INLET	912.00	909.60 (S&NE)
326	7+38.66 "U"	510.38' LT		END SECTION		910.10
327	8+15.00 "U"	15.00' LT		CURB INLET	911.34	907.45 (W&E)
328	8+15.00 "U"	15.00' RT		CURB INLET	911.34	907.60 (E)
329	10+25.00 "U"	15.00' LT		CURB INLET	912.26	908.25 (W&E)
330	10+25.00 "U"	15.00' RT		CURB INLET	912.26	908.50 (E)
331	7+96.74 "U"	155.00' LT		BEEHIVE INLET	912.50	906.13 (SE&W)
332	3+69.10 "U"	172.55' LT		END SECTION		906.69
333	1+58.43 "P"	459.27' RT		END SECTION		913.90
334	1+33.43 "P"	459.27' RT		END SECTION		914.50
335	1+49.43 "P"	911.72' RT		END SECTION		914.00
336	1+29.43 "P"	911.76' RT		END SECTION		914.40

*NOTE: SEE INLET DETAILS FOR SPECIAL CASTING REQUIREMENTS.

RECORD DRAWING UTILITIES

- GAS**
- Vestron
 - 1637 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**
- Carmel City Utilities
 - 1 Civic Square
 - Carmel, Indiana 46032
 - (317) 571-2442
- ELECTRIC**
- City of S. I.
 - 100 Mill Creek Road
 - P.O. Box 312
 - Noblesville, Indiana 46061
 - (800) 529-2232
- STORM SEWER**
- Hamilton County Surveyor
 - One Hamilton County Square, Suite 188
 - Noblesville, Indiana 46060
 - (317) 778-8495
- SANITARY SEWERS**
- Carmel City Utilities
 - 1 Civic Square
 - Carmel, Indiana 46032
 - (317) 571-2442
- CABLE TELEVISION**
- Tina Warner
 - 516 East Carmel Drive
 - Carmel, Indiana 46032
 - (317) 844-9200
- 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.

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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

A BRASS PLUG STAMPED "LEE 2 AZI 1989" IN THE TOP OF A CONCRETE POST AT THE SOUTHEAST CORNER OF THE INTERSECTION OF SHELBORNE ROAD AND 131ST STREET, ABOUT 26 FEET EAST OF THE CENTERLINE OF SHELBORNE ROAD, 20 FEET SOUTH OF THE CENTERLINE OF 131ST STREET AND LEVEL WITH THE SURFACE OF THE ROADWAY.
ELEVATION 917.89 (NGVD 1929)

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
- MFGP=000.0 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.
 - 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 5" 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.
 - 5" CONCRETE SERVICE WALKS 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.

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

Entry Date: 2-1-07

Entered By: [Signature]

REVISIONS:

- PRC 09/16/04 ADDED STORM SEWER, SWALES & GRADING ALONG REAR OF LOTS 249-258.
- PRC 10/15/04 REV. IN CON. DIM. TABLE FOR STR. DATA, REV. MFGP GRADES ON LOTS 233 TO 248, ADDED ADJUSTED LOT GRADES ON LOTS 233-234 & 237-258. ALSO ADDED SMALL LOT TO REAR OF LOTS & 1.00% (MIN.) NOTE & REV. REAR LOT DRAINAGE CONT. ON LOTS 233 TO 238.

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

DATE: 10/17/05

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Landscape Architecture
Transportation Engineering

CLAYBOURNE SECTION 3

BOOMERANG DEVELOPMENT, LLC
FISHERS, INDIANA
CARMEL, INDIANA

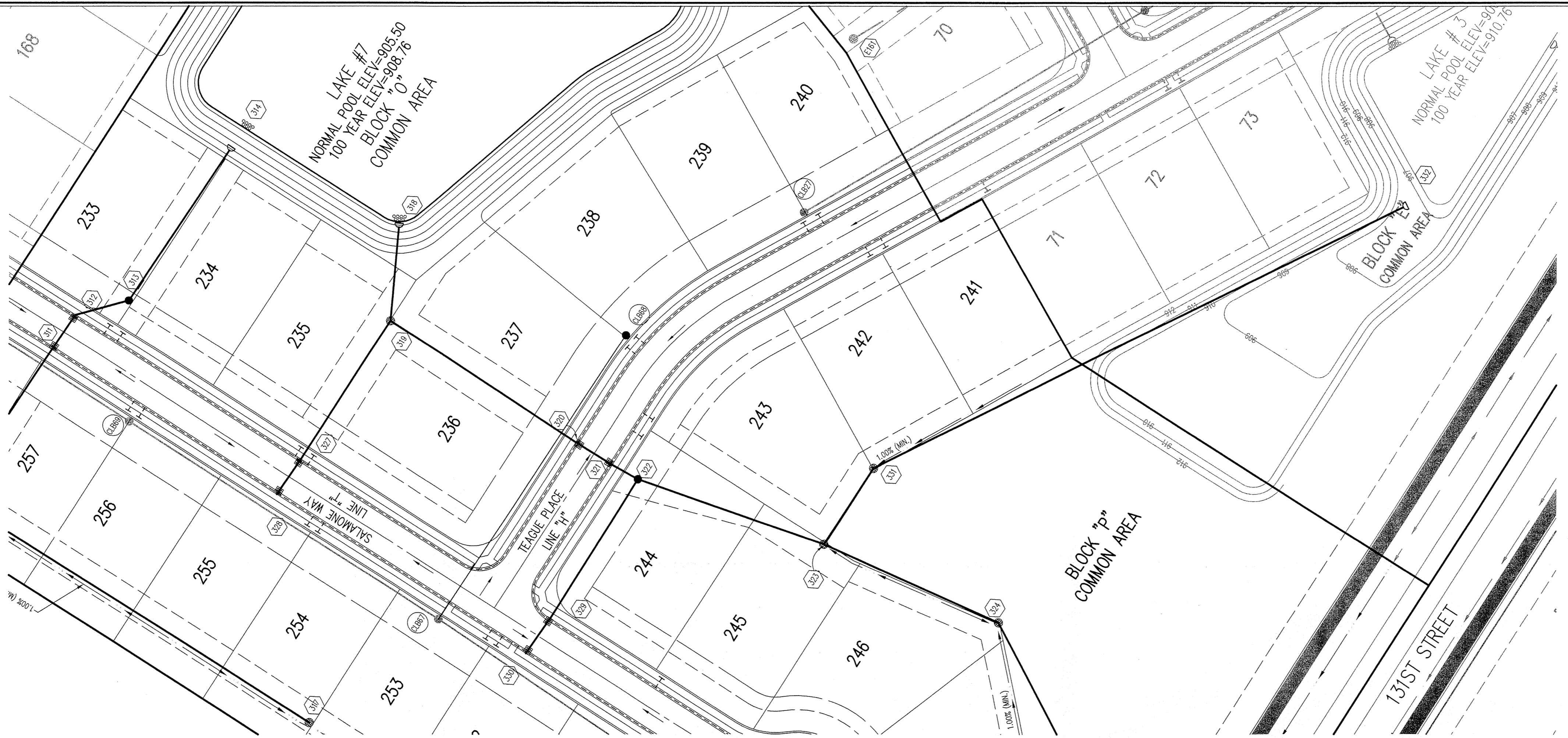
DATE: 06/28/04 PROJECT NO.: 3690.003

DRAWN BY: PRC CHECKED BY: JCC

SHEET TITLE: DEVELOPMENT PLAN

DRAWING FILES:
R:\3\3690\003\DWG\C101
KREF: 003B
KREF: R:\3\3690\002\DWG\002LES
KREF: R:\3\3690\001\DWG\001LES
KREF: R:\3\3690\002\DWG\002ES
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SHEET NO.: C103



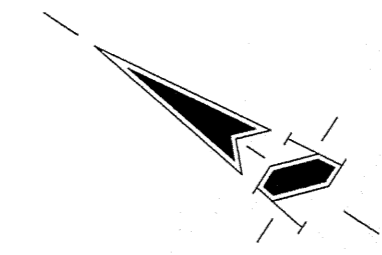
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BENCHMARK

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 ELEVATION 917.89 (NGVD 1929)



LEGEND/DETAILS

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
C802	94-10	RipRap Detail @ End Section
C803	9	Rip-Rap

NOTE

REVISIONS:
 1. 08/07/04 PER MODIFIED INVERTS OF STR. #323, #324, #327, #328, #329 & #330. MINIMUM COVER NOTE, ADJUST WATERLINE & MANHOLE TRASH GUARD NOTE. REVISED LEGEND.
 2. 08/10/05 PER REVISED COVER NOTE & REAR LOT EMBL. ON LOTS 253 TO 256.

REGISTERED PROFESSIONAL ENGINEER
 No. 920350
 STATE OF INDIANA
 Schneider
 DATE: 10/17/05

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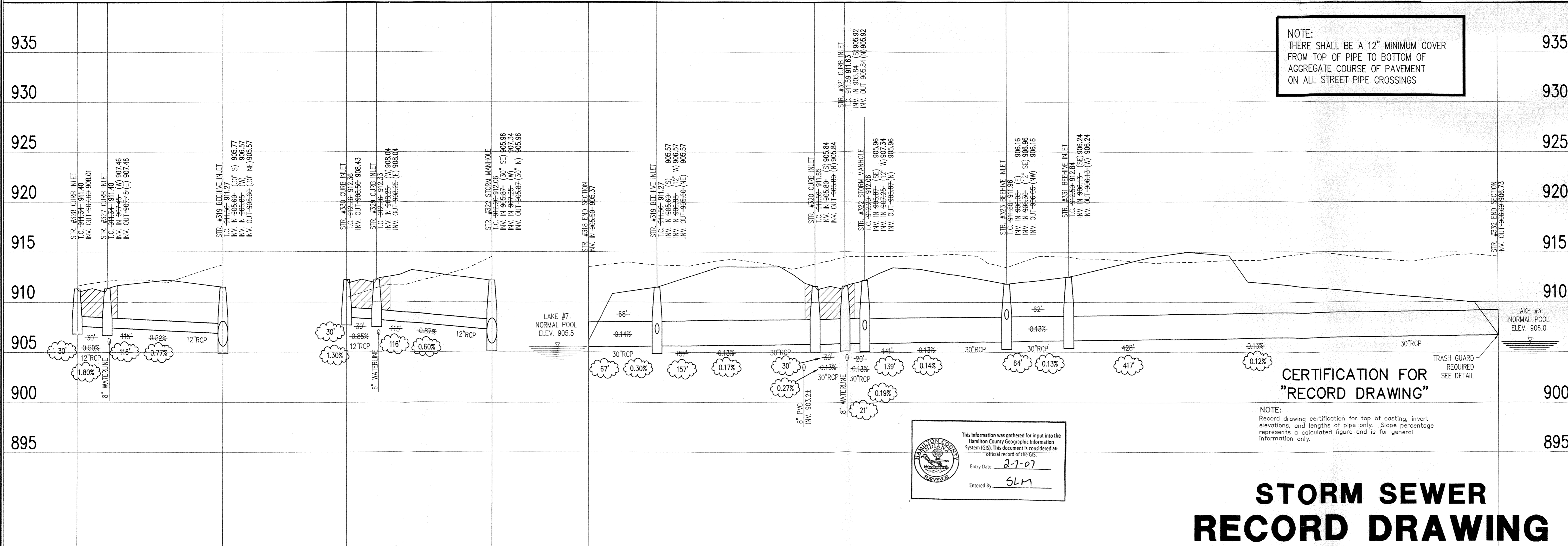
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STORM SEWER PLAN

SCALE: 1"=50'



NOTE:
 THERE SHALL BE A 12" MINIMUM COVER FROM TOP OF PIPE TO BOTTOM OF AGGREGATE COURSE OF PAVEMENT ON ALL STREET PIPE CROSSINGS

CERTIFICATION FOR "RECORD DRAWING"

This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: 2-7-07
 Entered By: SLM

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

CLAYBOURNE SECTION 3

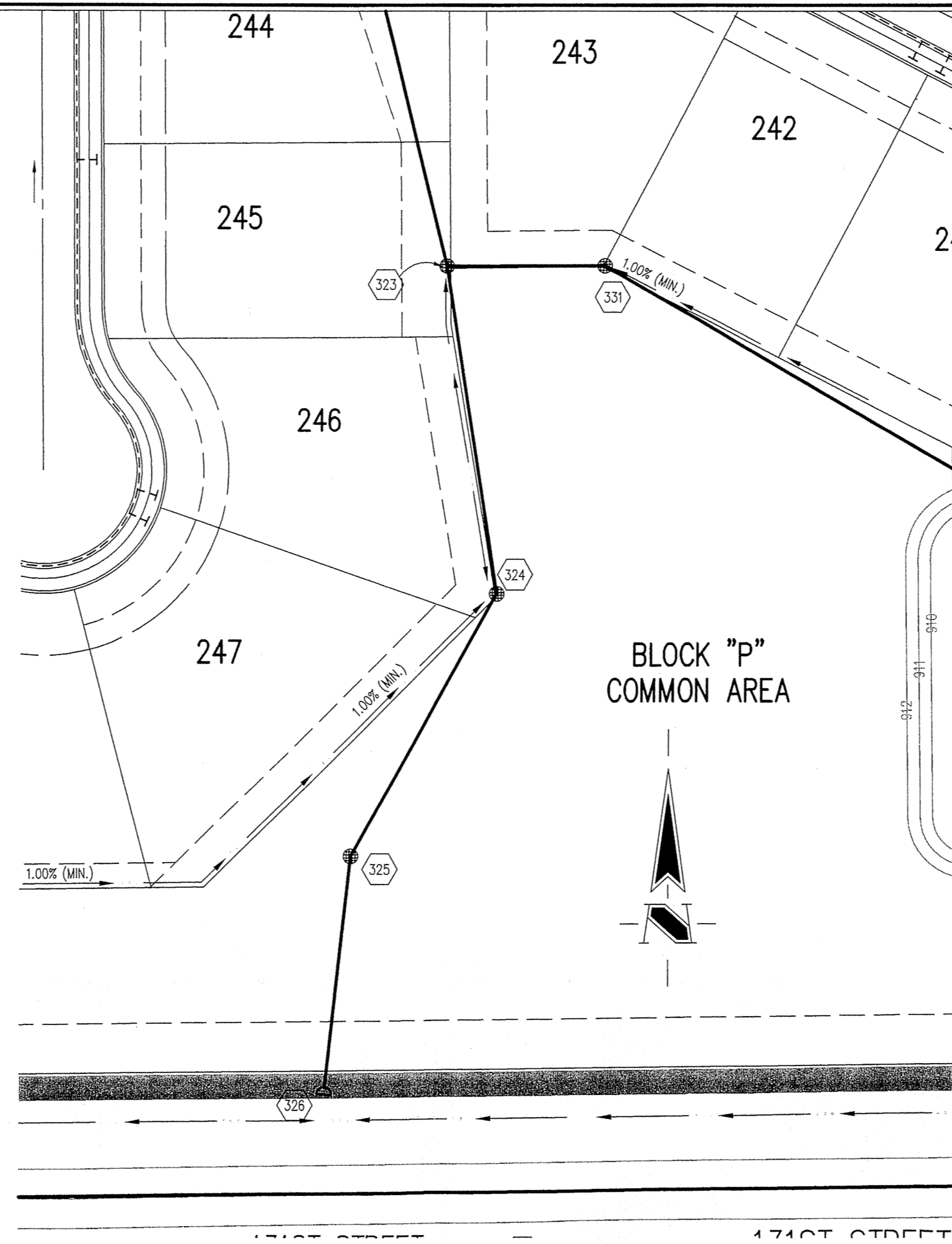
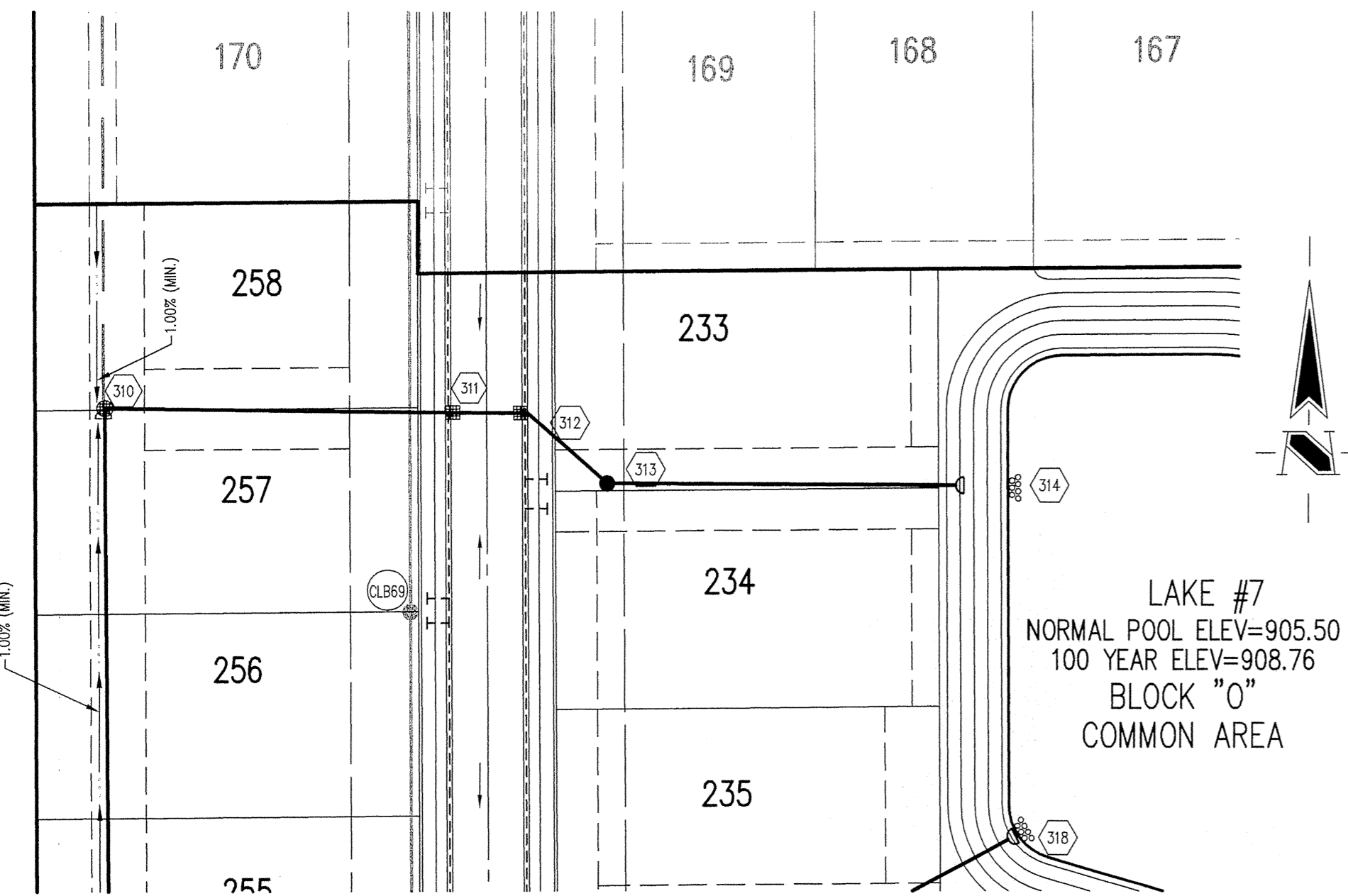
CARMEL, INDIANA
BOOMERANG DEVELOPMENT, LLC
 FISHERS, INDIANA

DATE: 06/28/04	PROJECT NO.: 3690.003
DRAWN BY: DRP	CHECKED BY: JCC
SHEET TITLE: STORM SEWER PLAN	
DRAWING FILES: R:\3K\3690\003\DWG\C801 XREF: R:\3K\3690\003\DWG\STORM XREF: R:\3K\3690\001\DWG\001B XREF: R:\3K\3690\002\DWG\002B XREF: R:\3K\3690\003\DWG\003B	
SHEET NO.: C601	

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
C802	8-10	RipRap Detail @ End Section
C803	9	Rip-Rap

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ELEVATION 917.89 (NGVD 1929)



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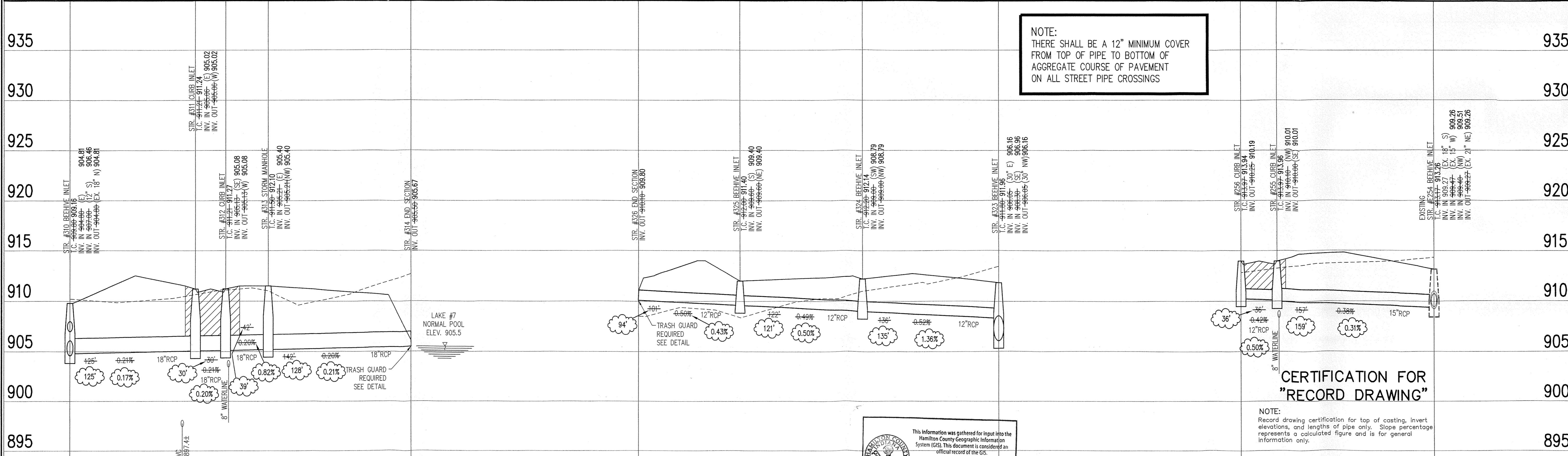
REVISIONS:
1. DWP 08/09/04 ADJUSTED INVERTS OF STR. #258, #259, #260, #261, #262, #263, #264, #265, #266, #267, #268, #269, #270, #271, #272, #273, #274, #275, #276, #277, #278, #279, #280, #281, #282, #283, #284, #285, #286, #287, #288, #289, #290, #291, #292, #293, #294, #295, #296, #297, #298, #299, #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.

CURT CROSBY
REGISTERED
No. 920350
STATE OF INDIANA
PROFESSIONAL ENGINEER
DATE: 10/17/05
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Geotechnical Services
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Home Builder Services
Interior Design
Land Surveying
Landscape Architecture
Transportation Engineering

STORM SEWER PLAN

SCALE: 1"=50'

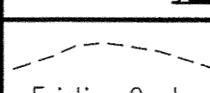
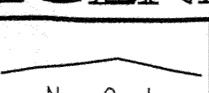
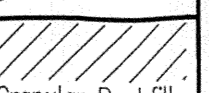


This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: 2-7-07
Entered By: SLM

NOTE:
Record drawing certification for top of coating, 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

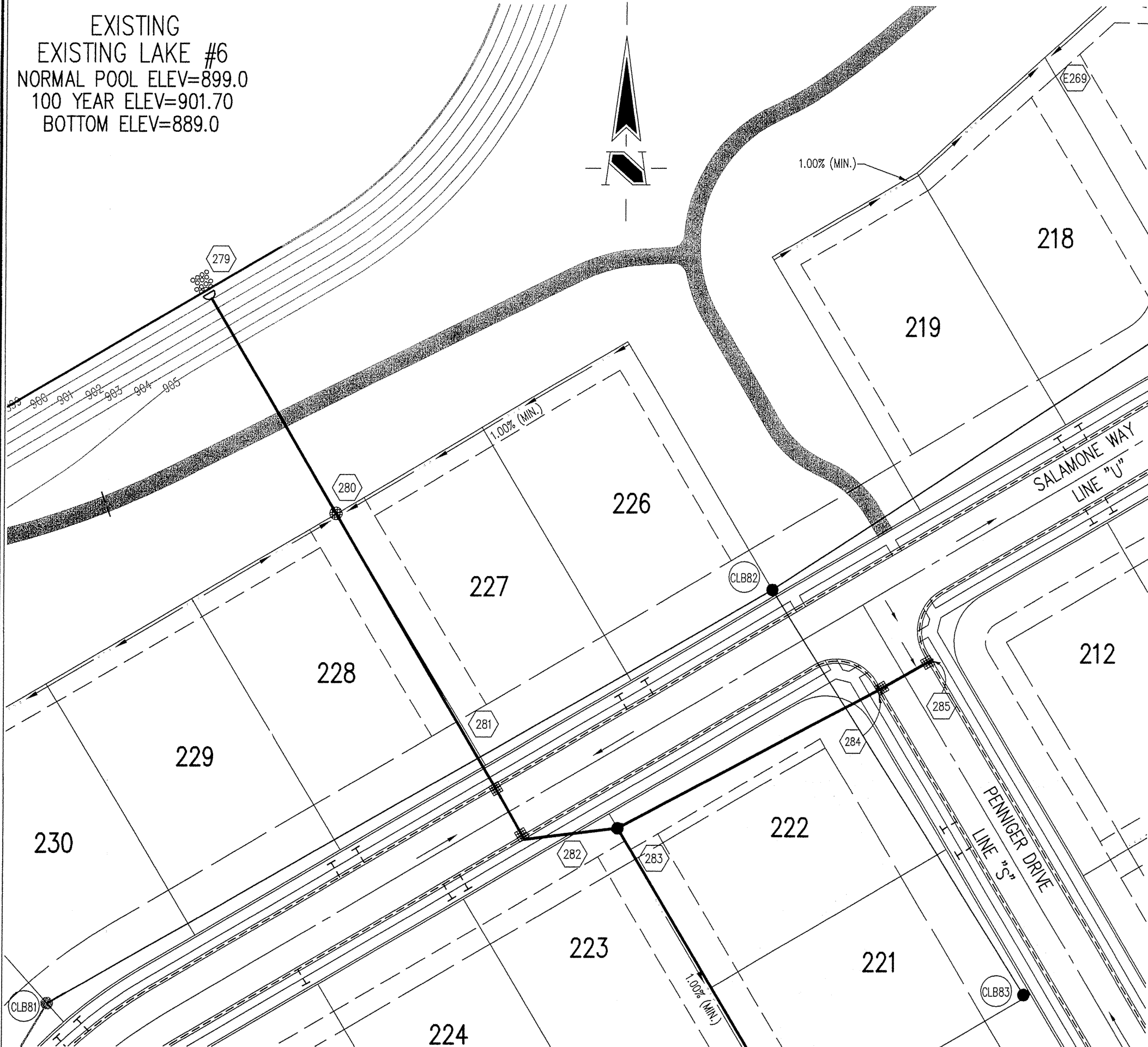
LEGEND	
	Existing Grade
	New Grade
	Granular Backfill

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

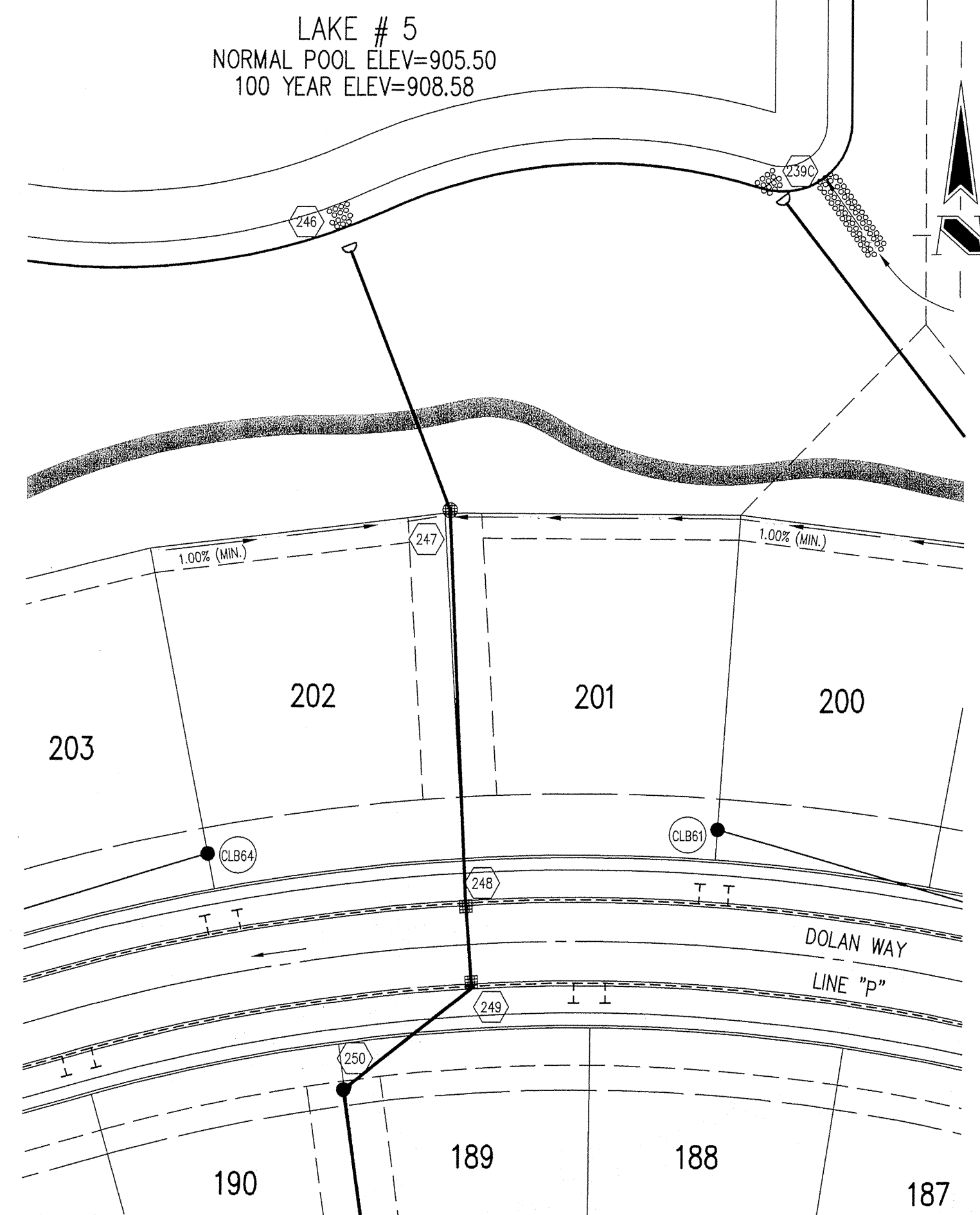
CLAYBOURNE SECTION 3
CARMEL, INDIANA
BOOMERANG DEVELOPMENT, LLC
FISHERS, INDIANA

DATE: 06/28/04	PROJECT NO.: 3690.003
DRAWN BY: DRP	CHECKED BY: JCC
SHEET TITLE: STORM SEWER PLAN	
DRAWING FILES: R:\3\3690\003\DWG\C601 R:\3\3690\003\DWG\C602 R:\3\3690\003\DWG\C603 R:\3\3690\003\DWG\C604 R:\3\3690\003\DWG\C605 R:\3\3690\003\DWG\C606 R:\3\3690\003\DWG\C607 R:\3\3690\003\DWG\C608 R:\3\3690\003\DWG\C609 R:\3\3690\003\DWG\C610	

SHEET NO.: C602



EXISTING
EXISTING LAKE #6
NORMAL POOL ELEV=899.0
100 YEAR ELEV=901.70
BOTTOM ELEV=889.0



LAKE # 5
NORMAL POOL ELEV=905.50
100 YEAR ELEV=908.58

HOLEY MOLEY SAYS
"DON'T
DIG
BLIND"



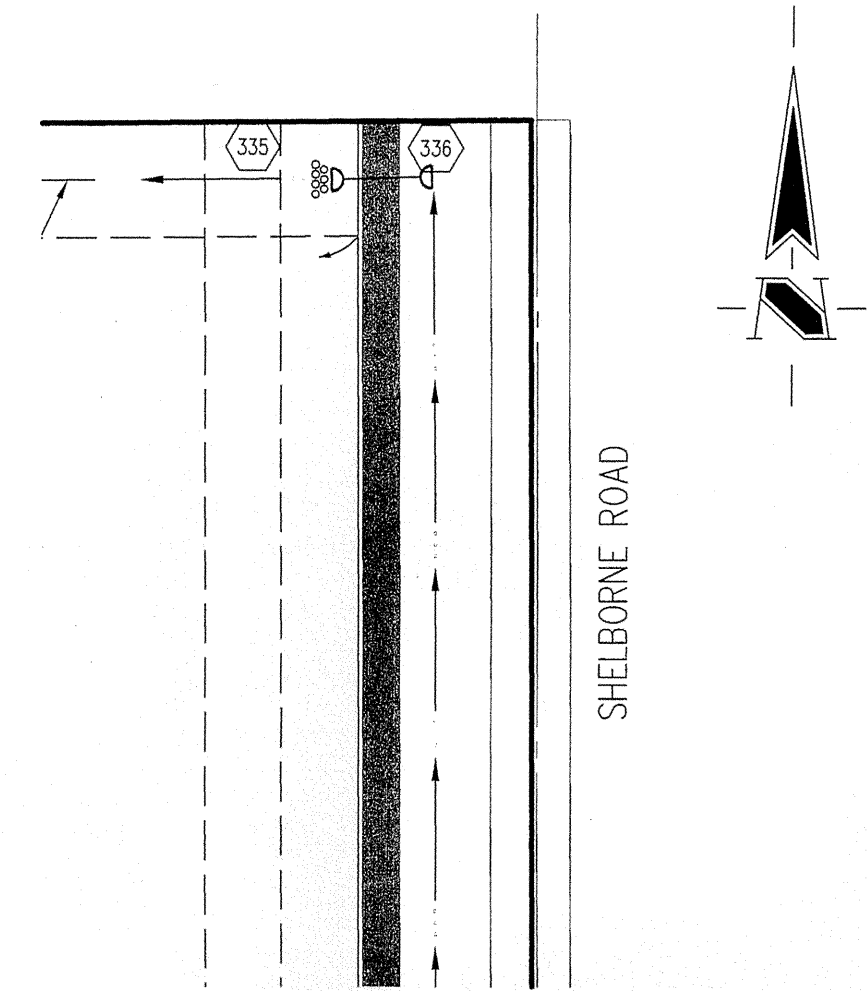
"IT'S THE LAW"
CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL TOLL FREE
PER INDIANA STATE LAW IS-69-1991,
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.

Sheet	Detail	Description
C602	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
C602	9-10	Rip-Rap Detail @ End Section
C603	9	Rip-Rap

- 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.

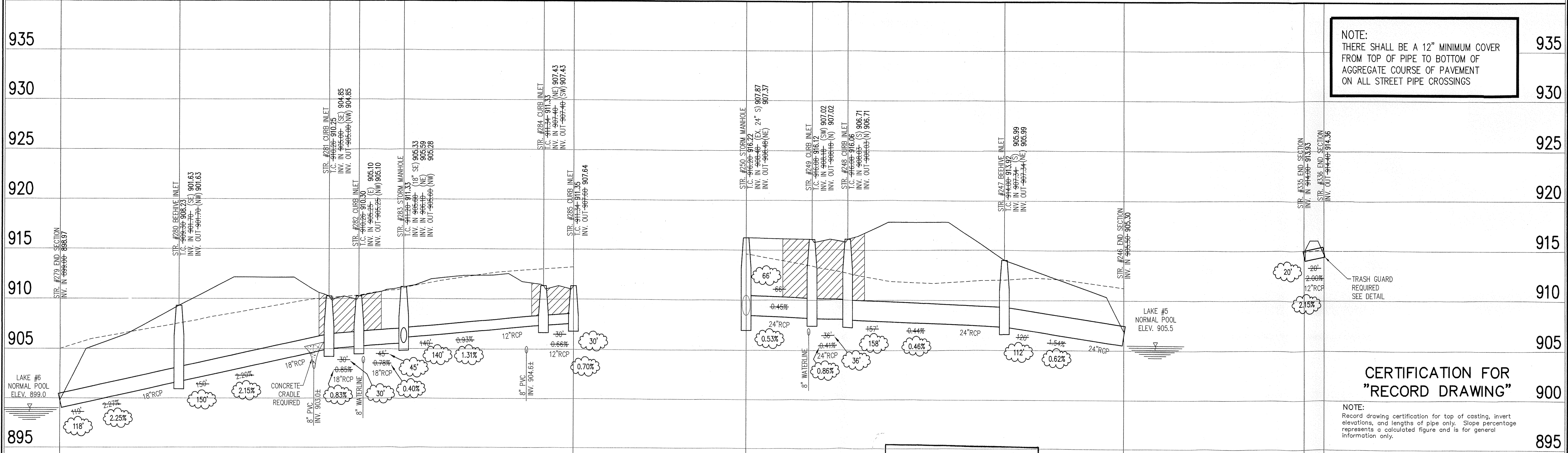
BENCHMARK

A BRASS PLUG STAMPED "LEE 2 AZI 1989" IN THE TOP OF A CONCRETE POST AT THE SOUTHEAST CORNER OF THE INTERSECTION OF SHELBORNE ROAD AND 131ST STREET, ABOUT 26 FEET EAST OF THE CENTERLINE OF SHELBORNE ROAD, 20 FEET SOUTH OF THE CENTERLINE OF 131ST STREET AND LEVEL WITH THE SURFACE OF THE ROADWAY.
ELEVATION 917.89 (NGVD 1929)



STORM SEWER PLAN

SCALE: 1"=50'



NOTE:
THERE SHALL BE A 12" MINIMUM COVER
FROM TOP OF PIPE TO BOTTOM OF
AGGREGATE COURSE OF PAVEMENT
ON ALL STREET PIPE CROSSINGS

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.

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Entry Date: 2-7-07
Entered By: SLM

LEGEND	
	Existing Grade
	New Grade
	Granular Backfill

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

STORM SEWER PROFILE

STORM SEWER
RECORD DRAWING

REVISIONS:
1. DWP 05/18/04 ADJUSTED INVERTS OF STR. #284 & #285. ADDED WATERLINE X-MARKS.
2. DWP 10/15/04 REVISION COVER NOTE.

J. CORT CROSBY
REGISTERED
No. 920350
STATE OF INDIANA
PROFESSIONAL ENGINEER
DATE: 10/17/05
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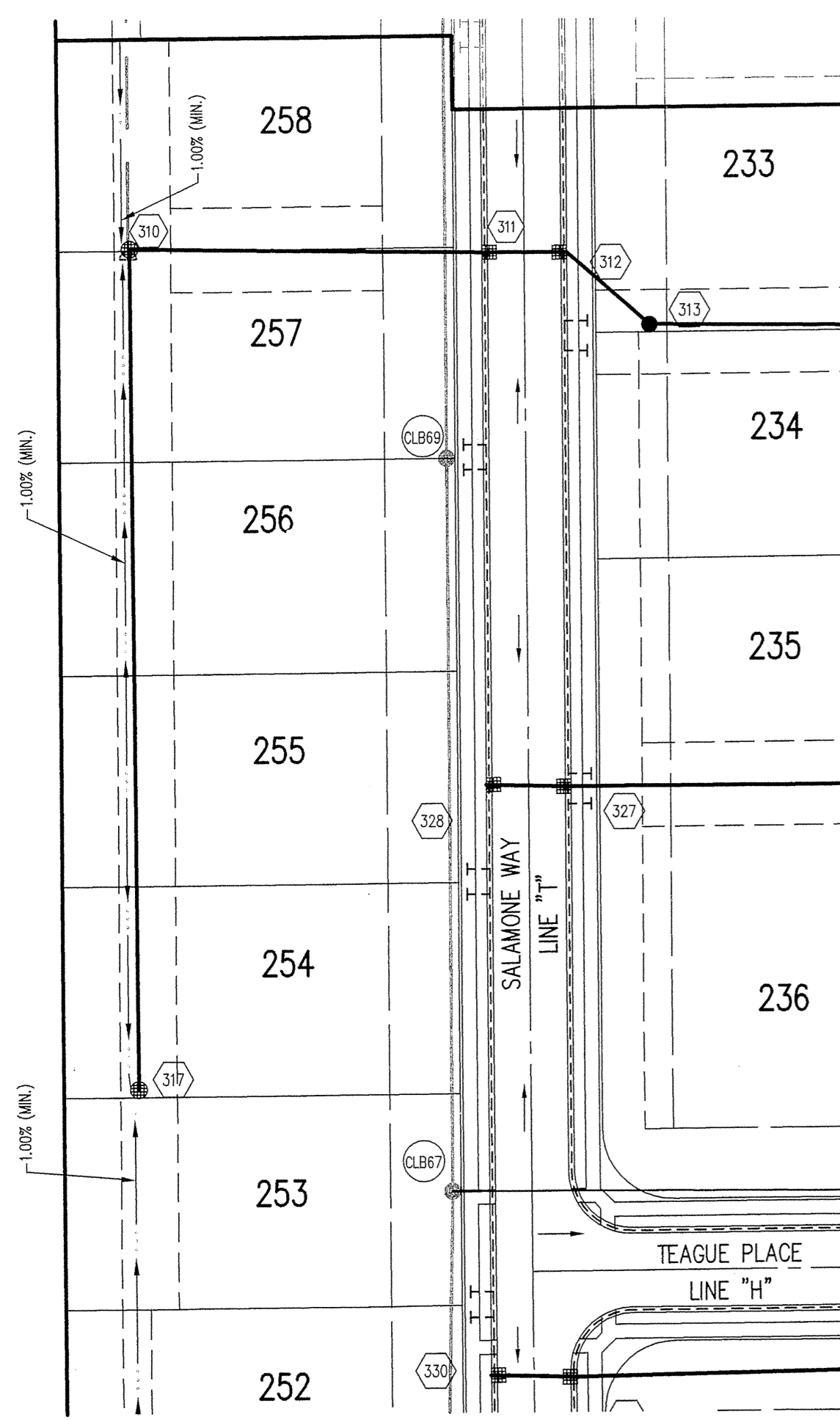
CLAYBOURNE SECTION 3

CARMEL, INDIANA

BOOMERANG DEVELOPMENT, LLC
FISHERS, INDIANA

DATE: 06/28/04 PROJECT NO.: 3690.003
DRAWN BY: DRP CHECKED BY: JCC
SHEET TITLE: STORM SEWER PLAN
DRAWING FILES:
R:\3K\3690\003\DWG\C601
XREF: R:\3K\3690\003\DWG\STORM
XREF: R:\3K\3690\001\DWG\001B5
XREF: R:\3K\3690\002\DWG\002B5
XREF: R:\3K\3690\003\DWG\003B5
SHEET NO.: C603

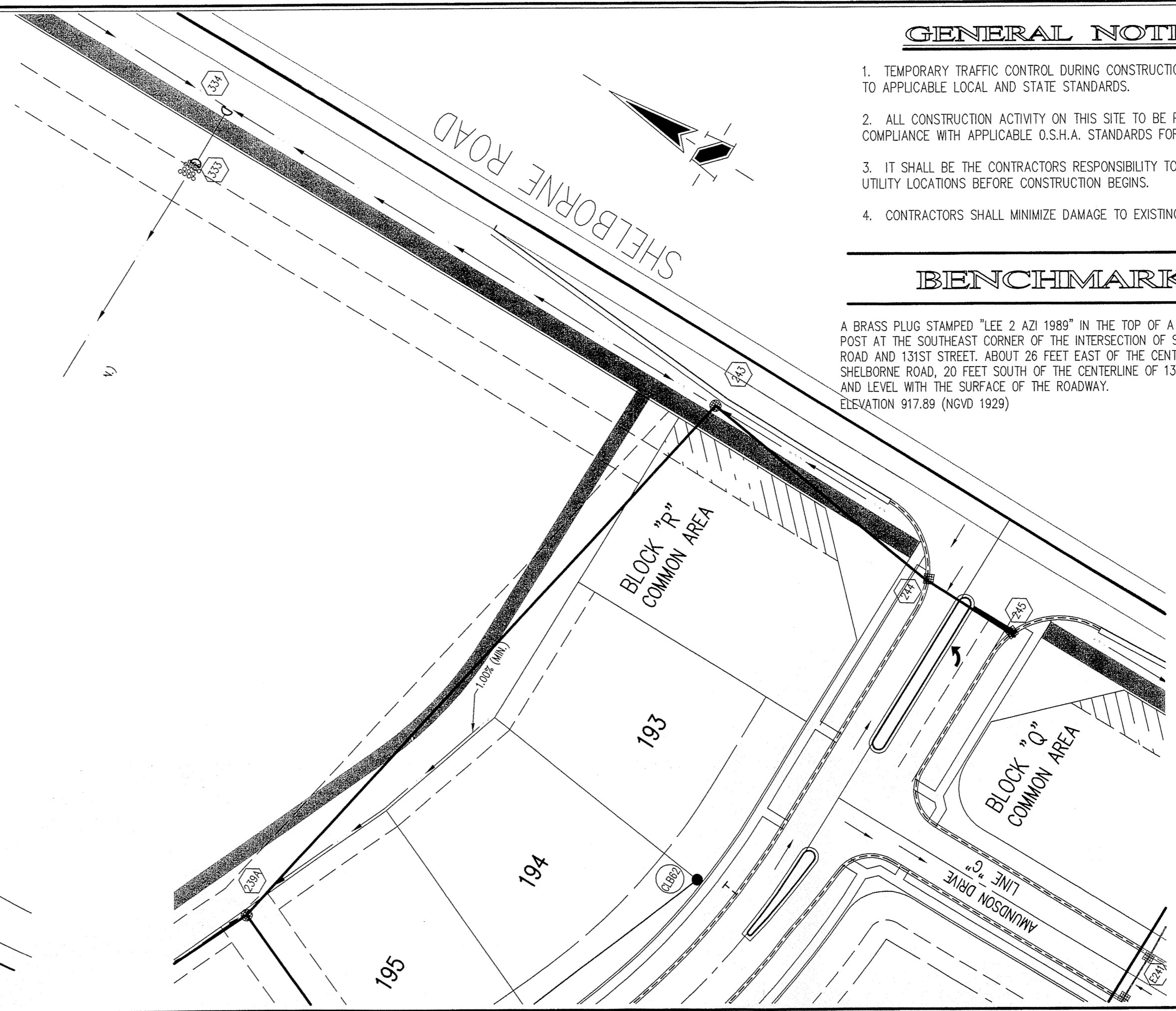
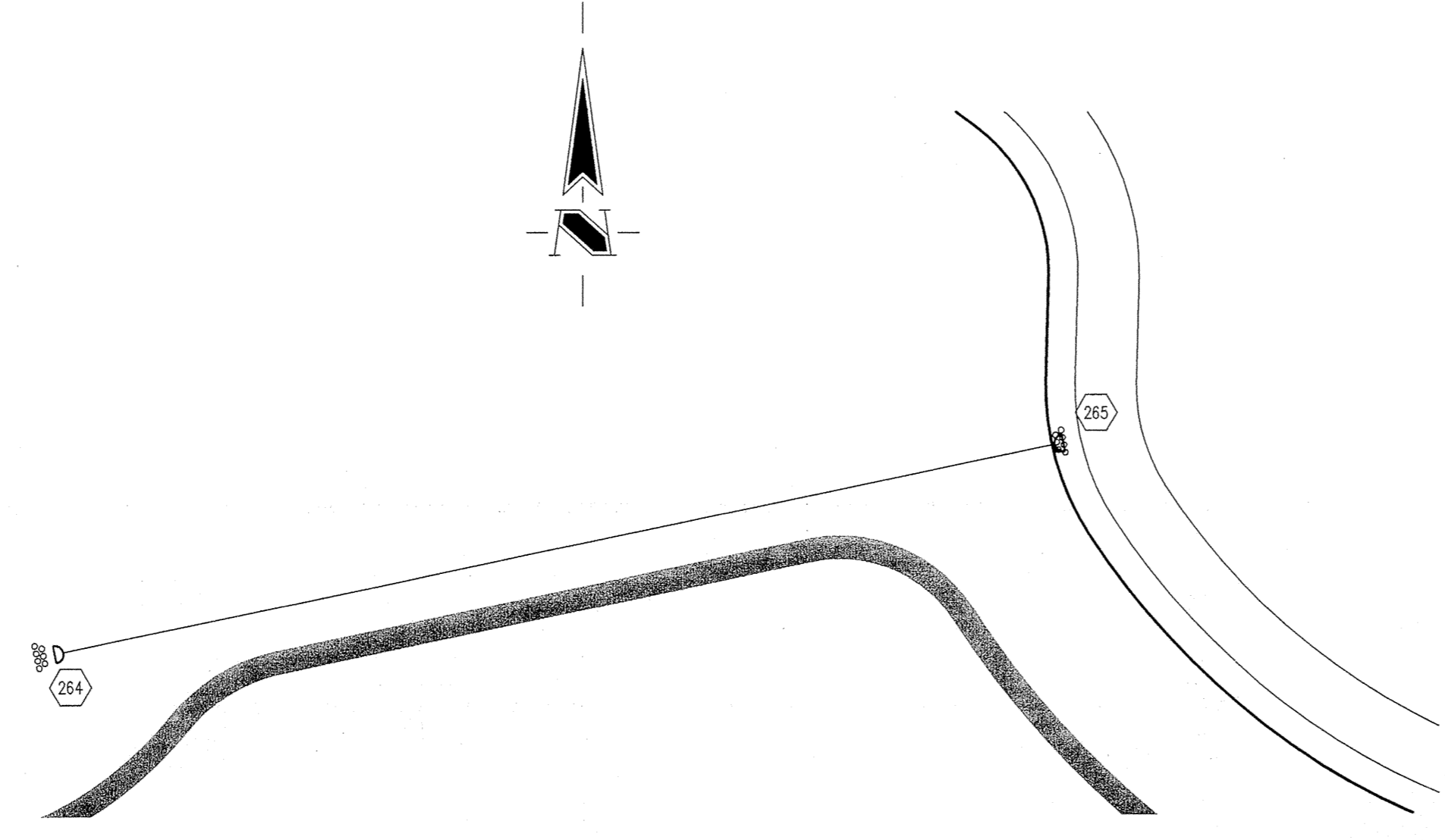
This copy is from the Digital Archive of the Hamilton County Surveyor's Office, Noblesville, IN 46060



Sheet	Detail 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
C802	94-10	RipRap Detail @ End Section
C803	9	Rip-Rap

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"IT'S THE LAW"
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 LOCATION SERVICE TWO (2) WORKING
 DAYS BEFORE COMMENCING WORK.



- GENERAL NOTES**
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 2. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
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 4. CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.

BENCHMARK

A BRASS PLUG STAMPED "LEE 2 AZI 1989" IN THE TOP OF A CONCRETE POST AT THE SOUTHEAST CORNER OF THE INTERSECTION OF SHELBORNE ROAD AND 131ST STREET, ABOUT 26 FEET EAST OF THE CENTERLINE OF SHELBORNE ROAD, 20 FEET SOUTH OF THE CENTERLINE OF 131ST STREET AND LEVEL WITH THE SURFACE OF THE ROADWAY.
 ELEVATION 917.89 (NGVD 1929)

REVISIONS:
 1. DWS 01/16/04 MOVE PROFILE STR. #235 TO #238 TO NEW 917.6505 ADJUSTED STR. #234 & #235 ADDED NEW BEEHIVE INLET STR. #317 AT THE REAR OF LOT #234 & ADDED MINIMUM COVER NOTE & REAR LOT ELEM. ON LOTS 233 TO 236.
 2. DWS 10/15/04 REVISION COVER NOTE & REAR LOT ELEM. ON LOTS 233 TO 236.

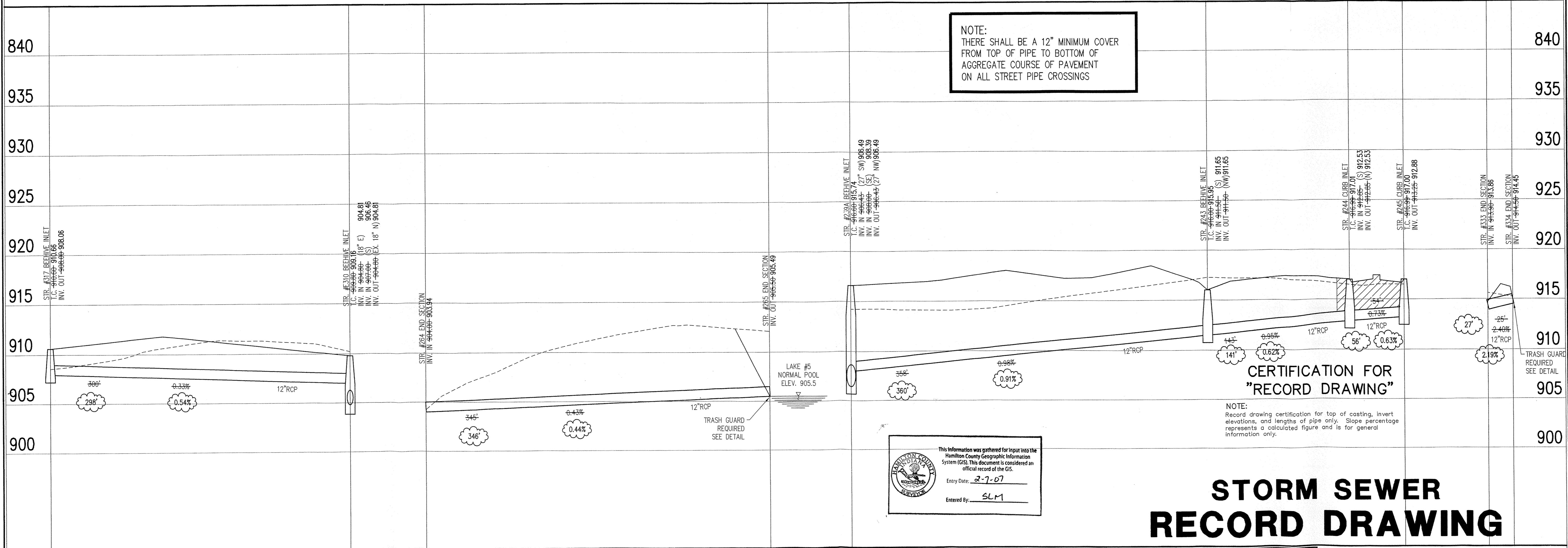
REGISTERED PROFESSIONAL ENGINEER
 No. 920350
 STATE OF INDIANA

 DATE: 10/17/05
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 Landscape Architecture
 Transportation Engineering

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER PROFILE

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

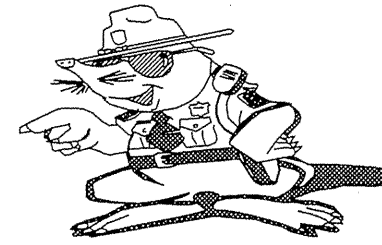
SCALE: HORZ.: 1"=50'
 VERT.: 1"=5'

CLAYBOURNE SECTION 3
 CARMEL, INDIANA
 BOOMERANG DEVELOPMENT, LLC
 FISHERS, INDIANA

DATE: 06/28/04	PROJECT NO.: 3690.003
DRAWN BY: DRP	CHECKED BY: JCC
SHEET TITLE: STORM SEWER PLAN	
DRAWING FILES: R:\3\3690\003\DWG\001.DWG (S) STORM R:\3\3690\001\DWG\001.DWG (S) STORM R:\3\3690\002\DWG\002.DWG (S) STORM R:\3\3690\003\DWG\003.DWG (S) STORM	

SHEET NO.: C604

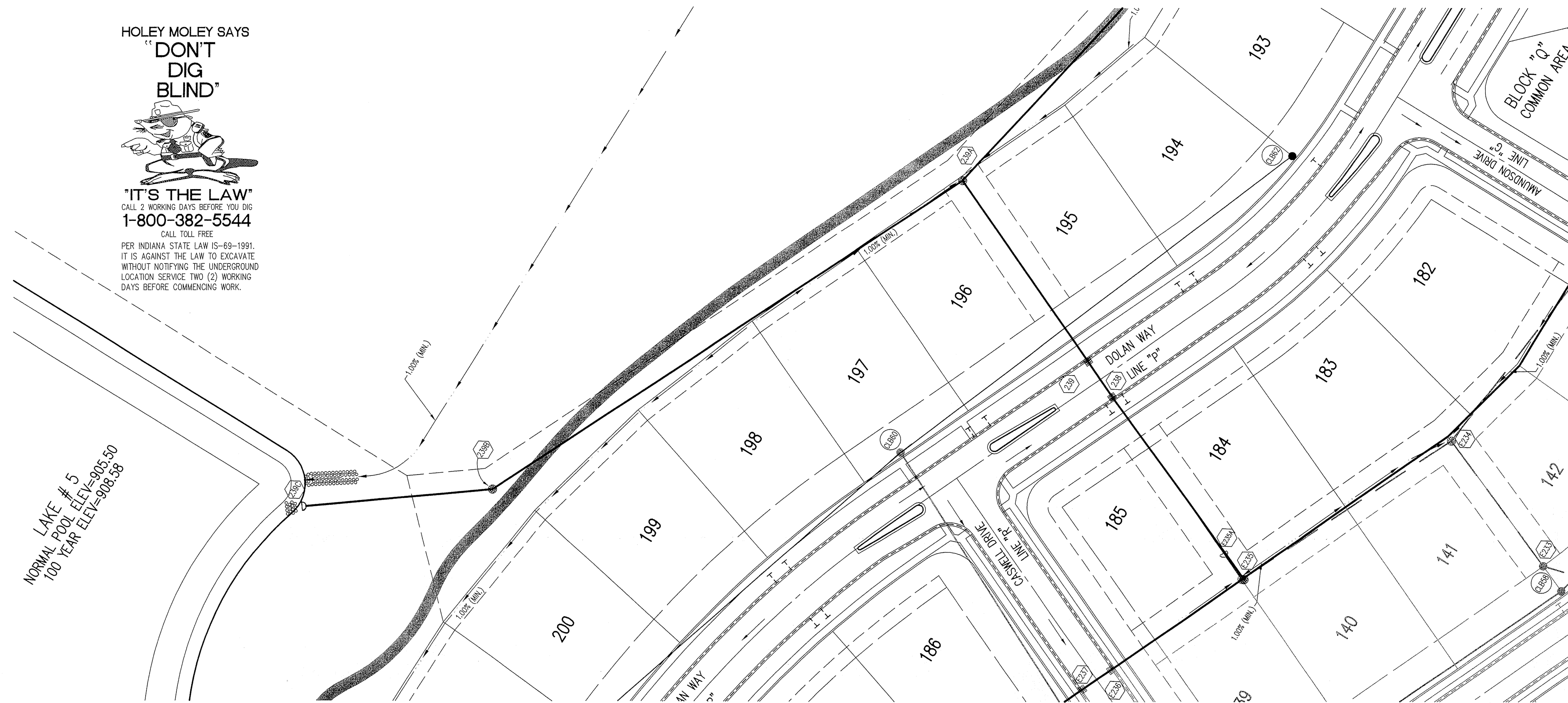
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LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.

NORMAL LAKE # 5
100 YEAR ELEV.=905.50
ELEV.=908.38

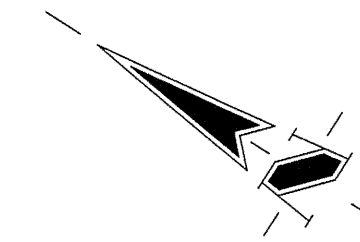


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ELEVATION 917.89 (NGVD 1929)



Sheet	Detail	Description
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C602	2	Beehive Inlet Detail
C602	3	Storm Manhole Detail
C602	6	Precast Concrete End Section
C602	9A-10	RipRap Detail @ End Section
C603	9	Rip-Rap

REVISIONS:
2. DRP 10/15/04 REVISED MINIMUM COVER NOTE

CURT CROSSBY
REGISTERED
No. 920350
STATE OF INDIANA
PROFESSIONAL ENGINEER

DATE: 10/17/05

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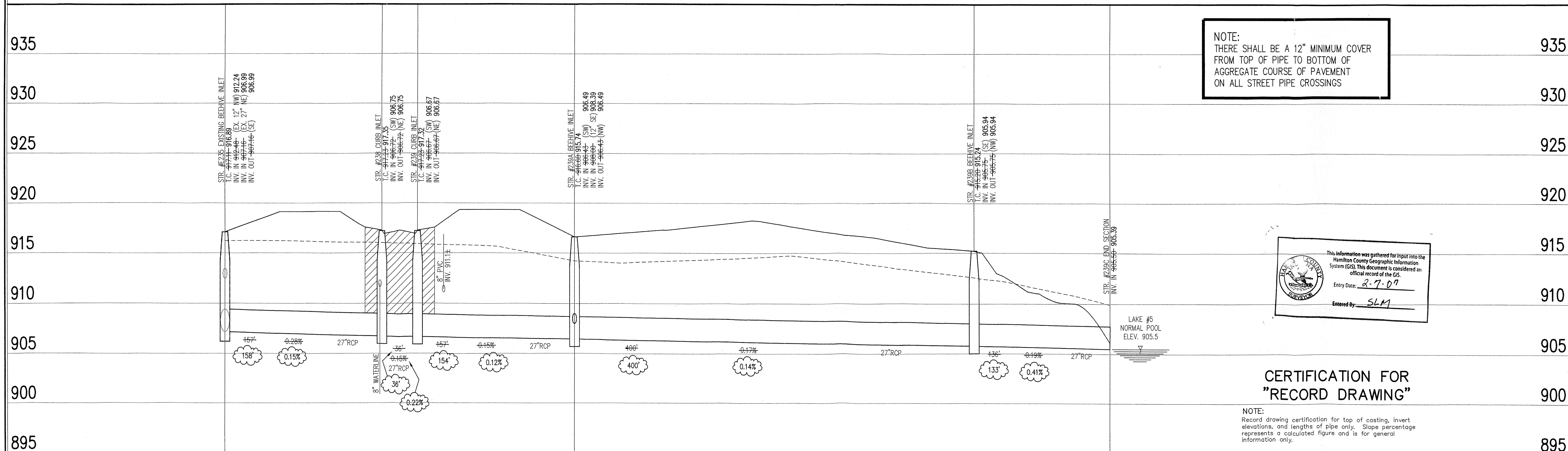
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STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER PROFILE

STORM SEWER RECORD DRAWING

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

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

CLAYBOURNE SECTION 3

CARMEL, INDIANA
BOOMRANG DEVELOPMENT, LLC
FISHERS, INDIANA

DATE: 06/28/04	PROJECT NO.: 3690.003
DRAWN BY: DRP	CHECKED BY: JCC
SHEET TITLE: STORM SEWER PLAN	
DRAWING FILES: R:\3690\003\DWG\C601 XREF: R:\3690\003\DWG\STORM XREF: R:\3690\003\DWG\001B XREF: R:\3690\002\DWG\002B XREF: R:\3690\003\DWG\003B	

SHEET NO.: C605