



*Kenton C. Ward, Surveyor*

*Phone (317) 776-8495*

*Fax (317) 776-9628*

*Suite 188*

*One Hamilton County Square  
Noblesville, Indiana 46060-2230*

January 3, 2006

To: Hamilton County Drainage Board

**Re: Hinshaw and Henley Drain – Centennial South Relocation**

Attached is a petition and plans for the proposed relocation of the Hinshaw & Henley Drain. The relocation is being proposed by Estridge Development Company. The proposal is to reconstruct the Hinshaw & Henley Drain from Sta. 16+50 of the Hinshaw and Henley Drain, through Centennial South Subdivision, and along the right of way for 146<sup>th</sup> Street.

The new drain shall consist of those lengths of pipes between the following structures as shown on the plans by Schneider Engineering, dated April 12, 2005, and having job number 3915.001: Starting at approximately Sta. 16+50 the drain run south approximately 375 feet in open ditch (detention area) to Str. 106, then to Str. 105, 104, 103, 102, 101, 100, then approximately 485 feet through lake #1 to Str 201. From Str. 201 the drain continues to Str. 200 and then approximately 515 feet through Lake #2 to Str. 237, then to Str. 236, 235, 234, 233, 232, 231, and ending at Str. 230, which outlets into the Osborn and Collins #2 Drain.

This line will consist of the following lengths:

48" RCP – 2538 ft                      Open Ditch – 1375 ft

The second portion of this drain being reconstructed starts at existing Str. 27 of the Hinshaw and Henley Reconstruction per my report dated July 10, 2000 (DB Book 5, pages 412 to 417), which is Sta. 39+50 of the original drain and is the same as Str. E1 on the attached plans for the Centennial South project, then continues to Str. 240 and then to 241, where the original tile is connected back into Str. 241. This portion was reconstructed to get existing Str. 27 out of the way for the future widening of 146<sup>th</sup> Street. Due to keeping 146<sup>th</sup> Street stable, the existing structure was partially left in place and will need to be addressed when the 146<sup>th</sup> Street road project commences.

This line will consist of the following lengths:

18" RCP – 18 feet                      36" RCP – 46 ft

The total length of new tile shall be 3,977 feet. The 1,526 feet of original drain between Sta. 16+50 and Sta. 31+25 and between Sta. 38+99 to Sta. 39+50 of the original 1908 description shall be vacated. This proposal will add an additional 2451 feet to the drains total length.

The cost of the relocation is to be paid by Estridge Development Company.

For the relocated drain located within the boundaries of Centennial I recommend 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 Centennial South as recorded in the office of the Hamilton County Recorder.

The easement for the relocated drain west of the western boundary of Centennial South will remain a statutory 75 foot easement on both sides of the centerline of the pipe and top of bank of the open ditch until future development occurs. The easement for the section of pipe located within the Right of Way of 146<sup>th</sup> Street south of Merrimac Section 4 will be a statutory 75 foot easement on the south side of the centerline of the pipe and on the north side of the centerline of the pipe, will be reduced to the combination drainage, utility, and sewer easements as shown on the secondary plat for Merrimac Section 4, as recorded in the office of the Hamilton County Recorder as instrument number 9809860236 (PC 2 Slide 177). On parcel 17-09-22-00-00-008.000, which is owned by Robert and Beverly McDavitt, no new easement will be needed. The Hinshaw Henley Drain will use the existing Osborn and Collins #2 statutory regulated drain easement. The easement will remain the statutory 75' easement for the Osborn and Collins #2 Drain, per the Board, D.B. 8 page 334.

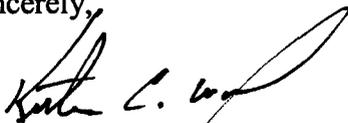
The petitioner has provided the Performance Bond as follows:

Name of Bonding Company: Fidelity and Deposit Company of Maryland  
Bond Number: 757222  
Bond Date: July 15, 2005  
Bond Amount: \$555,000.00

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 the Board set a hearing for this matter on March 27, 2006.

Sincerely,



Kenton C. Ward  
Hamilton County Surveyor

KCW/grh

HAMILTON COUNTY DRAINAGE BOARD  
NOBLESVILLE, INDIANA

IN RE: Centennial South )  
Hamilton County, Indiana )

PETITION FOR RELOCATION AND RECONSTRUCTION

Estridge Development Company, Inc. (hereinafter "Petitioner"),

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

1. Petitioner owns real estate through which a portion of the Hinshaw & Henley Drain runs.
2. Petitioner plans to develop its real estate with ponds, building, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and re-construction of a portion of the Hinshaw & Henley Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the Hinshaw & Henley Drain, without cost to other property owners on the watershed of the Hinshaw & Henley Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC36-9-27-52.5.

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

Signed 

Printed Bryan Stumpf  
Estridge Development Company, Inc

**Centennial South  
GASB 34 Calculation**

**Centennial Drain-Centennial South Arm: 7,377 feet**  
**Hinshaw-Henley Drain –Centennial South Relocation: 3,977 feet**

**Total Footage = 11,354**  
**Bond Amount = \$ 525,000.00**

**Centennial Drain-Centennial South Arm: .65(\$525,000.00) = \$341,250.00**  
**Hinshaw-Henley Drain –Centennial South Relocation: .35(\$525,000.00) = \$183,750.00**

Note: Bonds were posted at 120% of the engineers estimate. This dollar amount is based upon the engineer's estimate. ~~Also, on Engineer's Estimate – 4" ssd was listed. This was subtracted from the above listed dollar amount.~~

FINDINGS AND ORDER

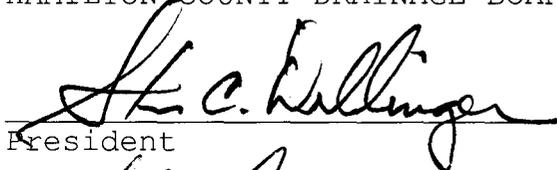
CONCERNING THE PARTIAL VACATION OF THE

**Hinshaw Henley Drain, Sta. 16+50 to Sta. 31+25 and Sta. 38+99 to  
Sta. 39+50**

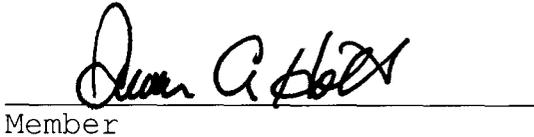
On this **27th day of March 2006**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Hinshaw Henley Drain, Sta. 16+50 to Sta. 31+25 and Sta. 38+99 to Sta. 39+50**.

Evidence has been heard. Objections were presented and considered. The Board then adopted an order of action. The Board now finds that the costs of continued maintenance to the portion of the above drain exceed the benefits to the real estate benefited by the portion of the drain to be abandoned and issues this order vacating the above section of the **Hinshaw Henley Drain**.

HAMILTON COUNTY DRAINAGE BOARD

  
\_\_\_\_\_  
President

  
\_\_\_\_\_  
Member

  
\_\_\_\_\_  
Member

Attest: 

STATE OF INDIANA )  
 ) ss:  
COUNTY OF HAMILTON )

BEFORE THE HAMILTON COUNTY  
DRAINAGE BOARD  
NOBLESVILLE, INDIANA

IN THE MATTER OF THE  
RECONSTRUCTION OF THE  
**Hinshaw Henley Drain, Centennial South Relocation**

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the **Hinshaw Henley Drain, Centennial South Relocation** came before the Hamilton County Drainage Board for hearing **on March 27, 2006**, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

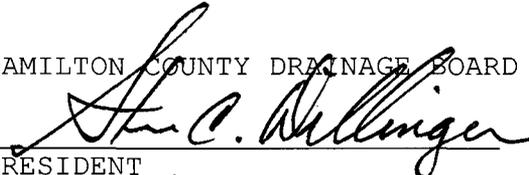
The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

Wherefore, it is ORDERED, that the proposed Reconstruction of the **Hinshaw Henley Drain, Centennial South Relocation** be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:

HAMILTON COUNTY DRAINAGE BOARD

  
PRESIDENT

  
Member

  
Member

ATTEST:   
Executive Secretary

FILED

FEB 27 2006

OFFICE OF HAMILTON COUNTY SURVEYOR

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Centennial South Subdivision

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.
5. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been correctly represented on the Record Drawings, Digital Record Drawings and the Structure Data Spreadsheet.

Signature: Douglas R. Curry Date: February 24, 2006

Type or Print Name: Douglas R. Curry

Business Address: Bynum Fanyo, Associates, Inc.; 528 N. Walnut St., Bloomington, IN 47404

Telephone Number: 812-332-8030

SEAL



INDIANA REGISTRATION NUMBER

890006



# 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

August 17, 2009

## Re: Williams Creek- Centennial South Relocation of the Hinshaw-Henley Drain

Attached are as-builts, certificate of completion & compliance, and other information for Centennial South Relocation of the Hinshaw-Henley Drain. 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 January 3, 2006. The report was approved by the Board at the hearing held March 27, 2006. (See Drainage Board Minutes Book 9, Pages 125-128)

The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert
93-92	108	48	RCP	892.78	892.95
92-91	54	48	RCP	892.95	893.09
91-90	284	48	RCP	893.09	892.43
90-68	437	48	RCP	892.07	891.8
68-65	99	48	RCP	892	891.53
65-64	173	48	RCP	861.28	891.09
35-33	160	48	RCP	891.09	890.33
29-28	131	48	RCP	893.71	885.61
28-27	131	48	RCP	885.61	885.14
27-26	71	48	RCP	884.83	884.69
26-25	150	48	RCP	884.97	884.62
25-1	285	48	RCP	884.62	883.92
1-100	388	48	RCP	883.92	
100-101	112	48	RCP		883.07
31-30	28	24	RCP	886.79	886.46
30-Ex	21	36	RCP	886.46	

**RCP Pipe Totals:**

24	28
36	21
48	2583

**RCP Pipe Totals:**

Open Ditch	485
	515
	387

**Total:**      2632

**Total:**      1387

The length of the drain due to the changes described above is now **4019 feet**. The original tile as laid in the 1908 description was vacated between the following stations: 16+25 to 17+50, 17+50 to 29+88, and 28+88 to 39+50. This vacation removed 1425 feet of original drain. Therefore, this project added 2594 feet of drain to the watershed.

The non-enforcement was approved by the Board at its meeting on March 27, 2006 and recorded under instrument #200600024945.

The following sureties were guaranteed by Fidelity and Deposit Company of Maryland and expired on January 15, 2007.

**Bond-LC No:** 757222

**Insured For:** Storm Sewers, Subsurface Drains

**Amount:** \$555,000.00

**Issue Date:** July 15, 2005

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

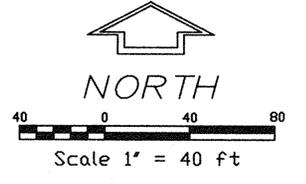
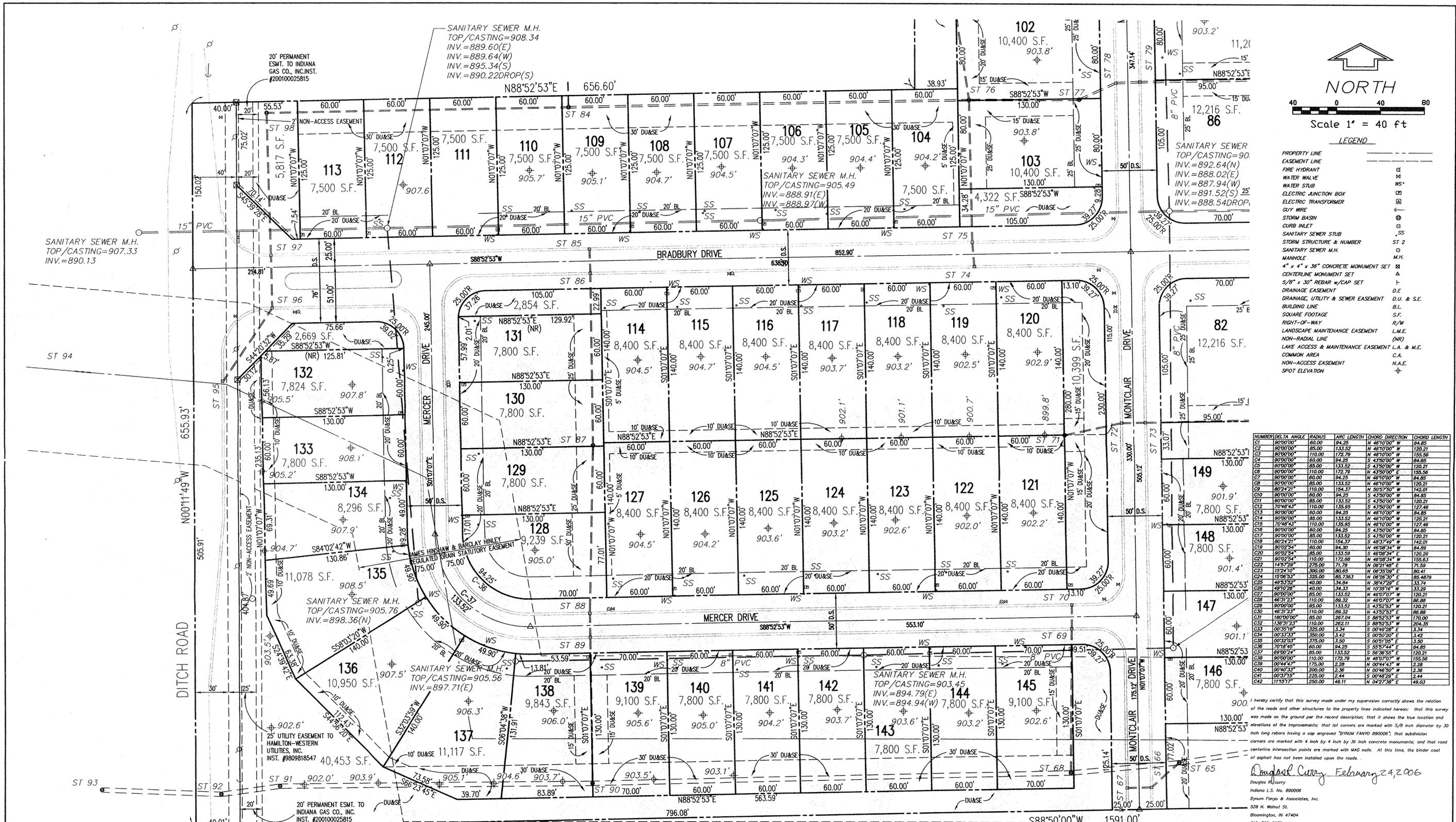
Sincerely,



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Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/slm



LEGEND

PROPERTY LINE	---
EASEMENT LINE	---
FIRE HYDRANT	⊕
WATER VALVE	⊕
WATER STUB	⊕
ELECTRIC JUNCTION BOX	⊕
ELECTRIC TRANSFORMER	⊕
GYM WIRE	---
STORM BASIN	⊕
CURB INLET	⊕
SANITARY SEWER STUB	⊕
STORM STRUCTURE & NUMBER	ST 2
SANITARY SEWER M.H.	⊕
MANHOLE	⊕
4" x 4" x 36" CONCRETE MONUMENT SET	⊕
CENTERLINE MONUMENT SET	⊕
5/8" x 30" REBAR w/CAP SET	⊕
DRAINAGE EASEMENT	D.E.
DRAINAGE, UTILITY & SEWER EASEMENT	D.U. & S.E.
BUILDING LINE	B.L.
SQUARE FOOTAGE	S.F.
RIGHT-OF-WAY	R/W
LANDSCAPE MAINTENANCE EASEMENT	L.M.E.
NON-RADIAL LINE	(NR)
LAKE ACCESS & MAINTENANCE EASEMENT L.A. & M.E.	L.A. & M.E.
COMMON AREA	C.A.
NON-ACCESS EASEMENT	N.A.E.
SPOT ELEVATION	⊕

NUMBER	DELTA ANGLE	RADIUS	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	90°00'00"	60.00	94.25	N 46°10'00" W	84.85
C2	90°00'00"	85.00	133.52	N 46°10'00" W	120.21
C3	90°00'00"	110.00	172.79	N 46°10'00" W	155.56
C4	90°00'00"	135.00	212.06	N 46°10'00" W	190.93
C5	90°00'00"	160.00	251.33	N 46°10'00" W	226.30
C6	90°00'00"	185.00	290.60	N 46°10'00" W	261.67
C7	90°00'00"	210.00	329.87	N 46°10'00" W	297.04
C8	90°00'00"	235.00	369.14	N 46°10'00" W	332.41
C9	90°00'00"	260.00	408.41	N 46°10'00" W	367.78
C10	90°00'00"	285.00	447.68	N 46°10'00" W	403.15
C11	90°00'00"	310.00	486.95	N 46°10'00" W	438.52
C12	90°00'00"	335.00	526.22	N 46°10'00" W	473.89
C13	90°00'00"	360.00	565.49	N 46°10'00" W	509.26
C14	90°00'00"	385.00	604.76	N 46°10'00" W	544.63
C15	90°00'00"	410.00	644.03	N 46°10'00" W	580.00
C16	90°00'00"	435.00	683.30	N 46°10'00" W	615.37
C17	90°00'00"	460.00	722.57	N 46°10'00" W	650.74
C18	90°00'00"	485.00	761.84	N 46°10'00" W	686.11
C19	90°00'00"	510.00	801.11	N 46°10'00" W	721.48
C20	90°00'00"	535.00	840.38	N 46°10'00" W	756.85
C21	90°00'00"	560.00	879.65	N 46°10'00" W	792.22
C22	90°00'00"	585.00	918.92	N 46°10'00" W	827.59
C23	90°00'00"	610.00	958.19	N 46°10'00" W	862.96
C24	90°00'00"	635.00	997.46	N 46°10'00" W	898.33
C25	90°00'00"	660.00	1036.73	N 46°10'00" W	933.70
C26	90°00'00"	685.00	1076.00	N 46°10'00" W	969.07
C27	90°00'00"	710.00	1115.27	N 46°10'00" W	1004.44
C28	90°00'00"	735.00	1154.54	N 46°10'00" W	1039.81
C29	90°00'00"	760.00	1193.81	N 46°10'00" W	1075.18
C30	90°00'00"	785.00	1233.08	N 46°10'00" W	1110.55
C31	90°00'00"	810.00	1272.35	N 46°10'00" W	1145.92
C32	90°00'00"	835.00	1311.62	N 46°10'00" W	1181.29
C33	90°00'00"	860.00	1350.89	N 46°10'00" W	1216.66
C34	90°00'00"	885.00	1390.16	N 46°10'00" W	1252.03
C35	90°00'00"	910.00	1429.43	N 46°10'00" W	1287.40
C36	90°00'00"	935.00	1468.70	N 46°10'00" W	1322.77
C37	90°00'00"	960.00	1507.97	N 46°10'00" W	1358.14
C38	90°00'00"	985.00	1547.24	N 46°10'00" W	1393.51
C39	90°00'00"	1010.00	1586.51	N 46°10'00" W	1428.88
C40	90°00'00"	1035.00	1625.78	N 46°10'00" W	1464.25
C41	90°00'00"	1060.00	1665.05	N 46°10'00" W	1499.62
C42	90°00'00"	1085.00	1704.32	N 46°10'00" W	1534.99

I hereby certify that this survey made under my supervision correctly shows the relation of the roads and other structures to the property lines indicated hereon: that this survey was made on the ground per the record description; that it shows the true location and elevations of the improvements; that lot corners are marked with 5/8 inch diameter by 30 inch long rebar having a cap engraved "BYNUM FANYO 890006"; that subdivision corners are marked with 4 inch by 4 inch by 36 inch concrete monuments; and that road centerline intersection points are marked with MAG nails. At this time, the binder coat of asphalt has not been installed upon the roads.

Douglas R. Curry February 24, 2006  
Douglas R. Curry  
Indiana L.S. No. 890006  
Bynum Fanyo & Associates, Inc.  
528 N. Walnut St.  
Bloomington, IN 47404  
812-332-8030

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: 8-5-09  
Entered By: SLM



CENTENNIAL SOUTH  
WESTFIELD, INDIANA  
SEC. 15, T 18 N, R 3 E  
HAMILTON COUNTY  
AS-BUILT SURVEY  
ESTRIDGE DEVELOPMENT COMPANY, INC. DRAWING NO. 5005199 SHEET 1 OF 8

FILED  
FEB 27 2006  
OFFICE OF HAMILTON COUNTY SURVEYOR



Scale 1" = 40 ft

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- FIRE HYDRANT
- WATER VALVE
- ELECTRIC JUNCTION BOX
- ELECTRIC TRANSFORMER
- GUY WIRE
- STORM BASIN
- CURB INLET
- SANITARY SEWER STUB
- STORM STRUCTURE & NUMBER
- SANITARY SEWER M.H.
- MANHOLE
- 4" x 4" x 36" CONCRETE MONUMENT SET
- CENTERLINE MONUMENT SET
- 5/8" x 30" REBAR w/CAP SET
- DRAINAGE EASEMENT
- DRAINAGE, UTILITY & SEWER EASEMENT
- BUILDING LINE
- SQUARE FOOTAGE
- RIGHT-OF-WAY
- LANDSCAPE MAINTENANCE EASEMENT
- NON-RADIAL LINE
- LAKE ACCESS & MAINTENANCE EASEMENT L.A. & M.E.
- COMMON AREA
- NON-ACCESS EASEMENT
- SPOT ELEVATION

NUMBER	DELTA	ANGLE	RADIUS	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C2	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C3	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C4	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C5	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C6	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C7	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C8	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C9	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C10	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C11	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C12	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C13	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C14	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C15	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C16	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C17	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C18	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C19	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C20	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C21	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C22	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C23	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C24	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C25	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C26	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C27	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C28	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C29	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C30	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C31	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C32	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C33	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C34	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C35	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C36	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C37	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C38	90.00	0.00	60.00	94.25	N 46.70° W	84.85
C39	90.00	0.00	110.00	172.79	N 46.70° W	155.56
C40	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C41	90.00	0.00	60.00	94.25	S 43.50° W	84.85
C42	90.00	0.00	110.00	172.79	N 46.70° W	155.56

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Entry Date: 8-5-09

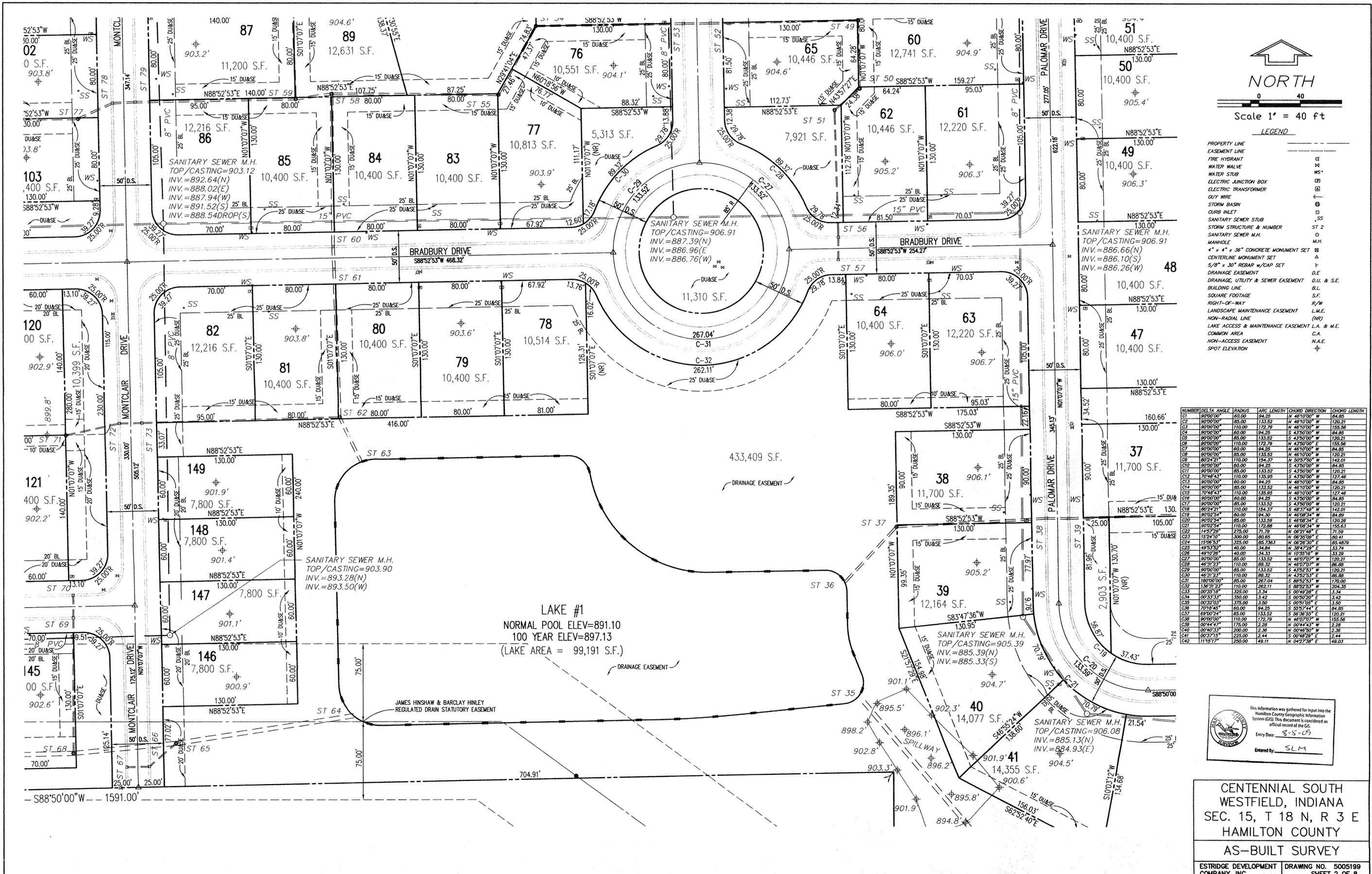
Entered By: SLM

CENTENNIAL SOUTH WESTFIELD, INDIANA  
 SEC. 15, T 18 N, R 3 E  
 HAMILTON COUNTY  
 AS-BUILT SURVEY

ESTRIDGE DEVELOPMENT COMPANY, INC. DRAWING NO. 5005199 SHEET 2 OF 8

PREPARED BY BYNUM FANYO & ASSOCIATES INC. 528 N. WALNUT ST. BLOOMINGTON, IN. 47404 (812)332-8030

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 OFFICE OF HAMILTON COUNTY SURVEYOR



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Scale 1" = 40 ft

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- FIRE HYDRANT
- WATER VALVE
- WATER STUD
- ELECTRIC JUNCTION BOX
- ELECTRIC TRANSFORMER
- QUIP WIRE
- STORM BASIN
- CURB INLET
- SANITARY SEWER STUB
- STORM STRUCTURE & NUMBER
- SANITARY SEWER M.H.
- MANHOLE
- 4" x 4" x 36" CONCRETE MONUMENT SET
- CENTERLINE MONUMENT SET
- 5/8" x 30" REBAR w/CAP SET
- DRAINAGE EASEMENT
- DRAINAGE, UTILITY & SEWER EASEMENT D.U. & S.E.
- BUILDING LINE
- SQUARE FOOTAGE
- RIGHT-OF-WAY
- LANDSCAPE MAINTENANCE EASEMENT
- NON-RADIAL LINE
- LAKE ACCESS & MAINTENANCE EASEMENT L.A. & M.E.
- COMMON AREA
- NON-ACCESS EASEMENT
- SPOT ELEVATION

NUMBER	DELTA	ANGLE	RADIUS	ARC LENGTH	CHORD	DIRECTION	CHORD LENGTH
C1	90.000	0.00	84.25	84.25	N 48.700° W	84.85	
C2	90.000	85.00	133.52	133.52	N 48.700° W	132.21	
C3	90.000	170.00	172.79	172.79	N 48.700° W	155.56	
C4	90.000	255.00	84.25	84.25	S 43.500° W	84.85	
C5	90.000	340.00	133.52	133.52	S 43.500° W	132.21	
C6	90.000	425.00	172.79	172.79	S 43.500° W	155.56	
C7	90.000	510.00	84.25	84.25	N 48.700° W	84.85	
C8	90.000	595.00	133.52	133.52	N 48.700° W	132.21	
C9	90.000	680.00	172.79	172.79	N 48.700° W	155.56	
C10	90.000	765.00	84.25	84.25	S 43.500° W	84.85	
C11	90.000	850.00	133.52	133.52	S 43.500° W	132.21	
C12	90.000	935.00	172.79	172.79	S 43.500° W	155.56	
C13	90.000	1020.00	84.25	84.25	N 48.700° W	84.85	
C14	90.000	1105.00	133.52	133.52	N 48.700° W	132.21	
C15	90.000	1190.00	172.79	172.79	N 48.700° W	155.56	
C16	90.000	1275.00	84.25	84.25	S 43.500° W	84.85	
C17	90.000	1360.00	133.52	133.52	S 43.500° W	132.21	
C18	90.000	1445.00	172.79	172.79	S 43.500° W	155.56	
C19	90.000	1530.00	84.25	84.25	N 48.700° W	84.85	
C20	90.000	1615.00	133.52	133.52	N 48.700° W	132.21	
C21	90.000	1700.00	172.79	172.79	N 48.700° W	155.56	
C22	90.000	1785.00	84.25	84.25	S 43.500° W	84.85	
C23	90.000	1870.00	133.52	133.52	S 43.500° W	132.21	
C24	90.000	1955.00	172.79	172.79	S 43.500° W	155.56	
C25	90.000	2040.00	84.25	84.25	N 48.700° W	84.85	
C26	90.000	2125.00	133.52	133.52	N 48.700° W	132.21	
C27	90.000	2210.00	172.79	172.79	N 48.700° W	155.56	
C28	90.000	2295.00	84.25	84.25	S 43.500° W	84.85	
C29	90.000	2380.00	133.52	133.52	S 43.500° W	132.21	
C30	90.000	2465.00	172.79	172.79	S 43.500° W	155.56	
C31	90.000	2550.00	84.25	84.25	N 48.700° W	84.85	
C32	90.000	2635.00	133.52	133.52	N 48.700° W	132.21	
C33	90.000	2720.00	172.79	172.79	N 48.700° W	155.56	
C34	90.000	2805.00	84.25	84.25	S 43.500° W	84.85	
C35	90.000	2890.00	133.52	133.52	S 43.500° W	132.21	
C36	90.000	2975.00	172.79	172.79	S 43.500° W	155.56	
C37	90.000	3060.00	84.25	84.25	N 48.700° W	84.85	
C38	90.000	3145.00	133.52	133.52	N 48.700° W	132.21	
C39	90.000	3230.00	172.79	172.79	N 48.700° W	155.56	
C40	90.000	3315.00	84.25	84.25	S 43.500° W	84.85	
C41	90.000	3400.00	133.52	133.52	S 43.500° W	132.21	
C42	90.000	3485.00	172.79	172.79	S 43.500° W	155.56	

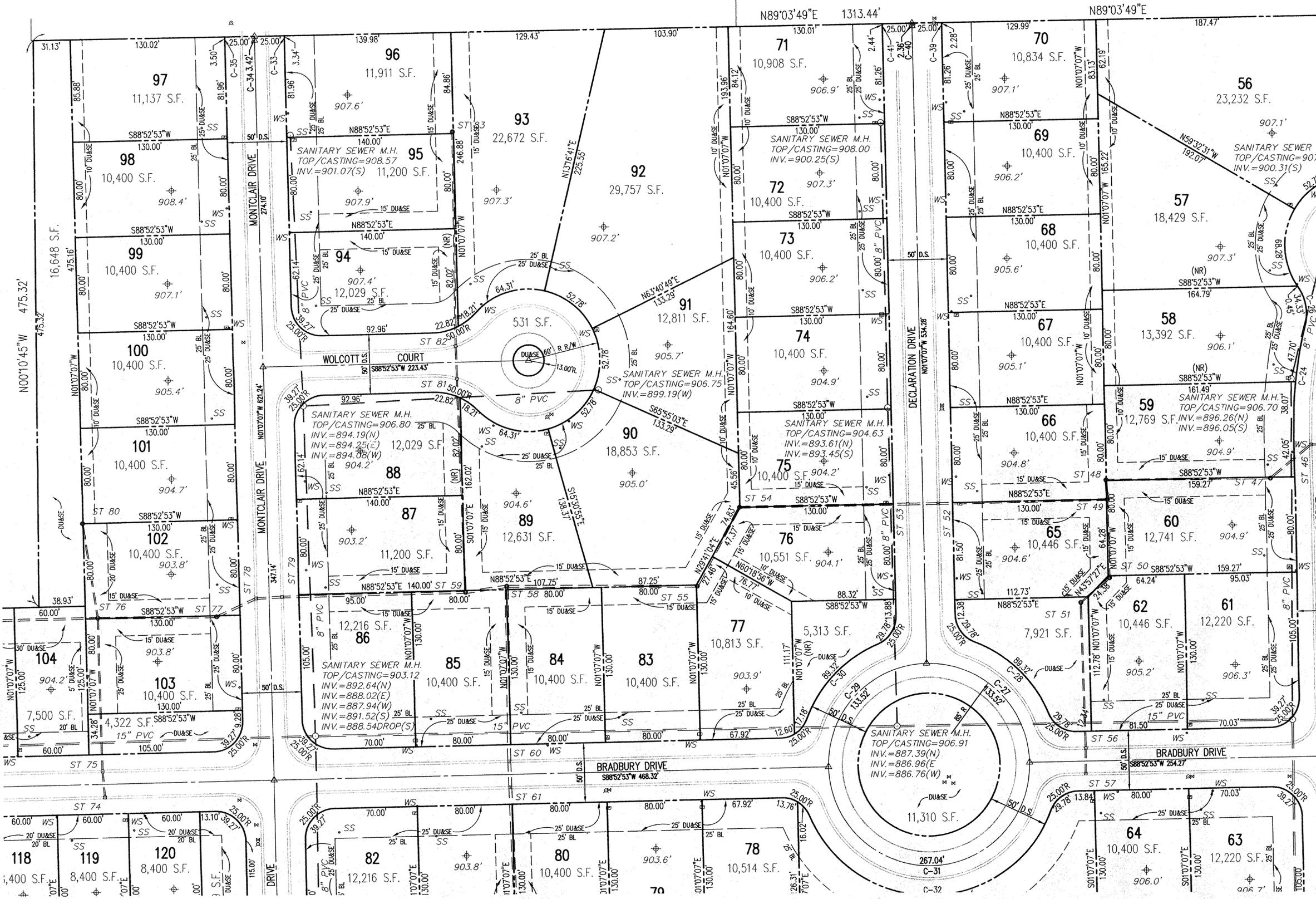
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Entry Date: 8-5-09

Entered by: SLM

CENTENNIAL SOUTH WESTFIELD, INDIANA  
 SEC. 15, T 18 N, R 3 E  
 HAMILTON COUNTY  
 AS-BUILT SURVEY

ESTRIDGE DEVELOPMENT COMPANY, INC. DRAWING NO. 5005199 SHEET 3 OF 8





Scale 1" = 40 ft

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- FIRE HYDRANT
- WATER VALVE
- WATER STUB
- ELECTRIC JUNCTION BOX
- ELECTRIC TRANSFORMER
- GUY WIRE
- STORM BASIN
- CURB INLET
- SANITARY SEWER STUB
- STORM STRUCTURE & NUMBER
- SANITARY SEWER M.H.
- MANHOLE
- 4" x 4" x 36" CONCRETE MONUMENT SET
- CENTERLINE MONUMENT SET
- 5/8" x 30" REBAR W/CAP SET
- DRAINAGE EASEMENT
- DRAINAGE, UTILITY & SEWER EASEMENT
- BUILDING LINE
- SQUARE FOOTAGE
- RIGHT-OF-WAY
- LANDSCAPE MAINTENANCE EASEMENT
- NON-RADIAL LINE
- LAKE ACCESS & MAINTENANCE EASEMENT
- COMMON AREA
- NON-ACCESS EASEMENT
- SPOT ELEVATION

NUMBER	DELTA	ANGLE	RADIUS	ARC LENGTH	CHORD	DIRECTION	CHORD LENGTH
C1	90.00	00'	60.00	94.25	N 46°10'00" W	84.85	
C2	90.00	00'	65.00	133.52	N 46°10'00" W	120.21	
C3	90.00	00'	110.00	172.79	N 46°10'00" W	155.56	
C4	90.00	00'	60.00	94.25	S 43°50'00" W	84.85	
C5	90.00	00'	65.00	133.52	S 43°50'00" W	120.21	
C6	90.00	00'	110.00	172.79	S 43°50'00" W	155.56	
C7	90.00	00'	60.00	94.25	N 46°10'00" W	84.85	
C8	90.00	00'	65.00	133.52	N 46°10'00" W	120.21	
C9	80.24	21'	110.00	154.37	N 50°5'50" W	142.01	
C10	90.00	00'	60.00	94.25	S 43°50'00" W	84.85	
C11	90.00	00'	65.00	133.52	S 43°50'00" W	120.21	
C12	70°48'	43"	110.00	158.95	S 43°50'00" W	122.46	
C13	90.00	00'	60.00	94.25	N 46°10'00" W	84.85	
C14	90.00	00'	65.00	133.52	N 46°10'00" W	120.21	
C15	70°48'	43"	110.00	158.95	N 46°10'00" W	122.46	
C16	90.00	00'	60.00	94.25	S 43°50'00" W	84.85	
C17	90.00	00'	65.00	133.52	S 43°50'00" W	120.21	
C18	80.24	21'	110.00	154.37	S 48°57'40" W	142.01	
C19	90.00	00'	60.00	94.25	N 46°10'00" W	84.85	
C20	90.00	00'	65.00	133.52	S 46°08'54" E	120.26	
C21	90.00	00'	110.00	172.88	N 46°08'54" W	155.63	
C22	144°57'	59"	125.00	211.79	N 06°21'48" E	211.59	
C23	152°4'	10"	300.00	60.65	N 06°35'09" E	60.47	
C24	151°06'	53"	325.00	65.7363	N 06°26'30" E	65.4879	
C25	48°53'	52"	40.00	34.84	N 36°47'29" E	33.74	
C26	48°53'	52"	40.00	34.84	N 10°33'10" E	33.29	
C27	90.00	00'	65.00	133.52	N 46°07'07" W	120.21	
C28	46°31'	23"	110.00	88.32	N 46°07'07" W	86.88	
C29	90.00	00'	65.00	133.52	N 43°52'53" E	120.21	
C30	46°31'	23"	110.00	88.32	N 43°52'53" E	86.88	
C31	180°00'	00'	65.00	267.04	S 89°52'53" W	170.00	
C32	135°31'	23"	110.00	262.11	N 06°11'00" W	204.35	
C33	00°35'	16"	325.00	3.34	S 00°49'28" E	3.34	
C34	00°35'	16"	350.00	3.42	S 00°50'20" E	3.42	
C35	00°32'	03"	325.00	3.30	S 00°51'05" E	3.30	
C36	70°18'	46"	60.00	84.25	S 25°17'45" E	84.85	
C37	69°00'	24"	65.00	133.52	S 26°38'55" E	120.21	
C38	90.00	00'	110.00	172.79	N 46°07'07" W	155.56	
C39	00°44'	47"	125.00	2.28	N 00°44'47" W	2.28	
C40	00°40'	33"	200.00	2.36	N 00°46'50" W	2.36	
C41	00°37'	15"	225.00	2.44	S 00°48'29" E	2.44	
C42	117°17'	17"	250.00	49.11	N 04°27'38" E	48.03	

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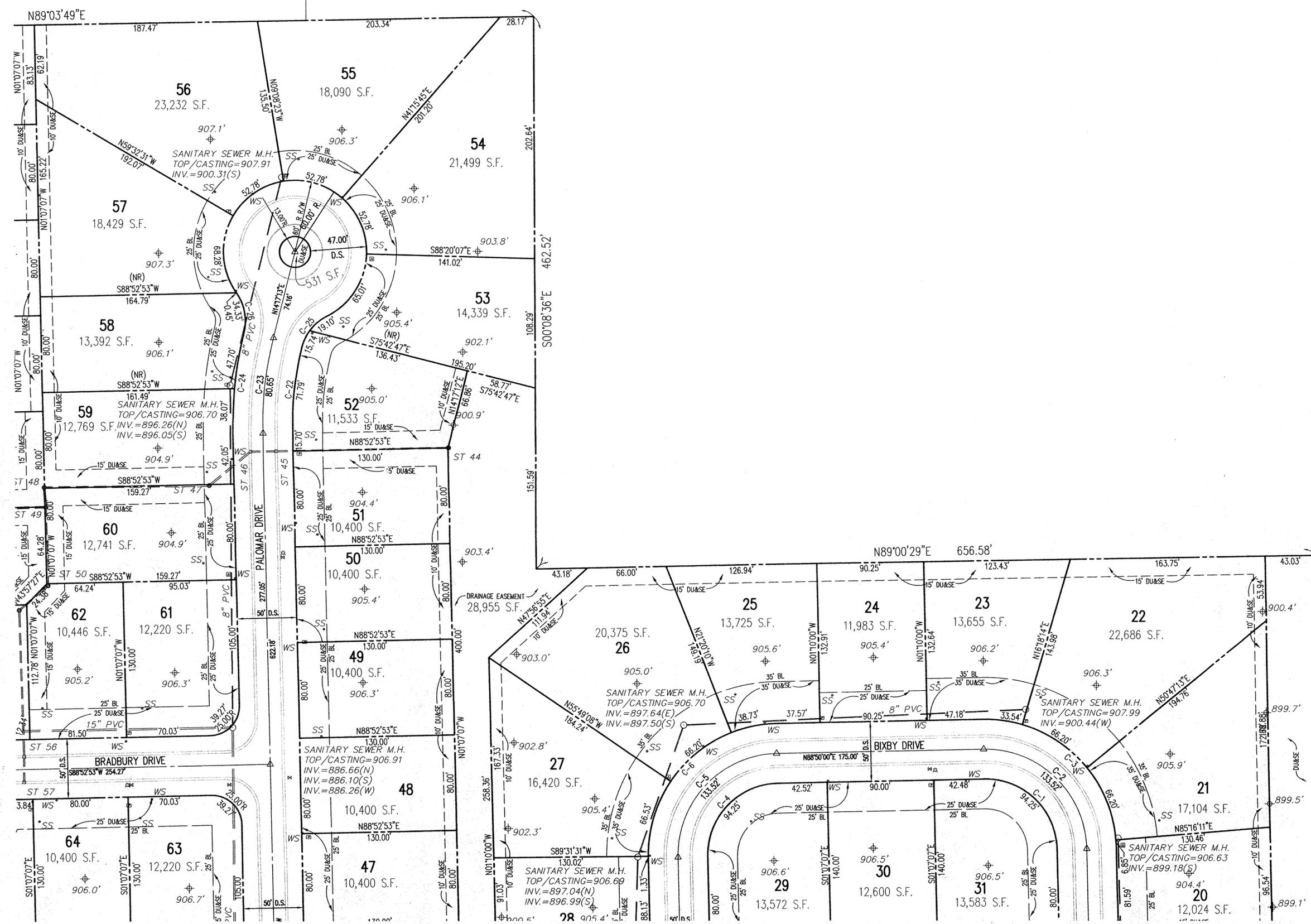
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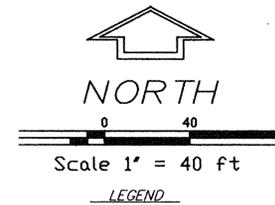
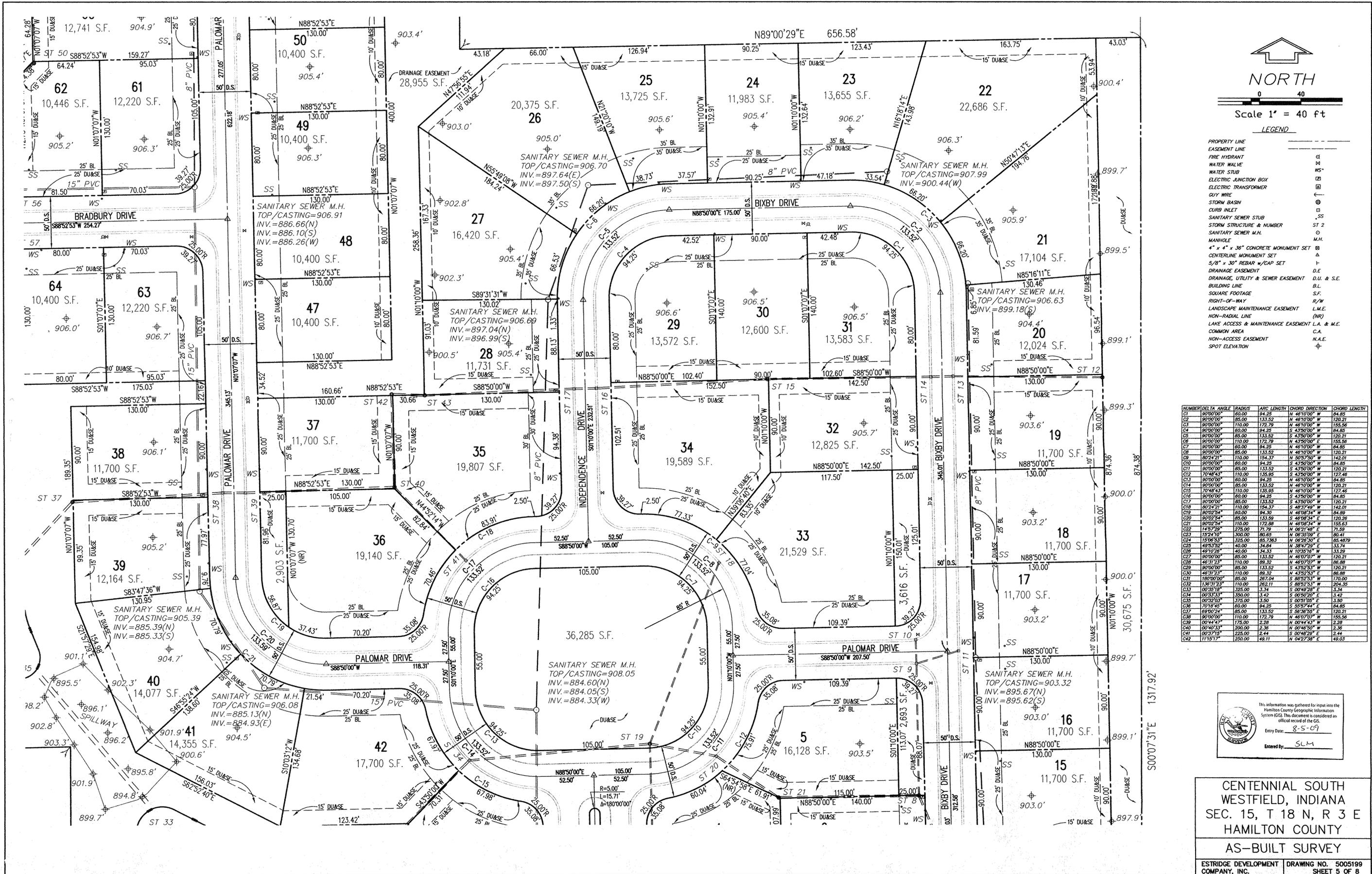
Entered By: SLM

CENTENNIAL SOUTH  
WESTFIELD, INDIANA  
SEC. 15, T 18 N, R 3 E  
HAMILTON COUNTY  
AS-BUILT SURVEY

ESTRIDGE DEVELOPMENT COMPANY, INC. DRAWING NO. 5005199 SHEET 4 OF 8

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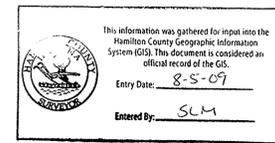




**LEGEND**

- PROPERTY LINE
- EASEMENT LINE
- FIRE HYDRANT
- WATER VALVE
- WATER STUB
- ELECTRIC JUNCTION BOX
- ELECTRIC TRANSFORMER
- CLAY WIRE
- STORM BASIN
- CURB INLET
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- SPOT ELEVATION

NUMBER	DELTA	ANGLE	RADIUS	ARC LENGTH	CHORD	DIRECTION	CHORD LENGTH
C1	90.0000	90.00	84.25	113.52	113.52	N 46.7000° W	84.25
C2	90.0000	85.00	133.52	113.52	113.52	N 46.7000° W	120.21
C3	90.0000	110.00	172.79	113.52	113.52	N 46.7000° W	155.56
C4	90.0000	60.00	84.25	53.5000	53.5000	S 43.5000° W	84.25
C5	90.0000	85.00	133.52	53.5000	53.5000	S 43.5000° W	120.21
C6	90.0000	110.00	172.79	53.5000	53.5000	E 43.5000° W	155.56
C7	90.0000	60.00	84.25	43.5000	43.5000	S 43.5000° W	84.25
C8	90.0000	85.00	133.52	43.5000	43.5000	S 43.5000° W	120.21
C9	90.0000	110.00	172.79	43.5000	43.5000	E 43.5000° W	155.56
C10	90.0000	60.00	84.25	33.5000	33.5000	S 43.5000° W	84.25
C11	90.0000	85.00	133.52	33.5000	33.5000	S 43.5000° W	120.21
C12	90.0000	110.00	172.79	33.5000	33.5000	E 43.5000° W	155.56
C13	90.0000	60.00	84.25	23.5000	23.5000	S 43.5000° W	84.25
C14	90.0000	85.00	133.52	23.5000	23.5000	S 43.5000° W	120.21
C15	90.0000	110.00	172.79	23.5000	23.5000	E 43.5000° W	155.56
C16	90.0000	60.00	84.25	13.5000	13.5000	S 43.5000° W	84.25
C17	90.0000	85.00	133.52	13.5000	13.5000	S 43.5000° W	120.21
C18	90.0000	110.00	172.79	13.5000	13.5000	E 43.5000° W	155.56
C19	90.0000	60.00	84.25	3.5000	3.5000	S 43.5000° W	84.25
C20	90.0000	85.00	133.52	3.5000	3.5000	S 43.5000° W	120.21
C21	90.0000	110.00	172.79	3.5000	3.5000	E 43.5000° W	155.56
C22	90.0000	60.00	84.25	2.5000	2.5000	S 43.5000° W	84.25
C23	90.0000	85.00	133.52	2.5000	2.5000	S 43.5000° W	120.21
C24	90.0000	110.00	172.79	2.5000	2.5000	E 43.5000° W	155.56
C25	90.0000	60.00	84.25	1.5000	1.5000	S 43.5000° W	84.25
C26	90.0000	85.00	133.52	1.5000	1.5000	S 43.5000° W	120.21
C27	90.0000	110.00	172.79	1.5000	1.5000	E 43.5000° W	155.56
C28	90.0000	60.00	84.25	0.5000	0.5000	S 43.5000° W	84.25
C29	90.0000	85.00	133.52	0.5000	0.5000	S 43.5000° W	120.21
C30	90.0000	110.00	172.79	0.5000	0.5000	E 43.5000° W	155.56
C31	90.0000	60.00	84.25	0.5000	0.5000	S 43.5000° W	84.25
C32	90.0000	85.00	133.52	0.5000	0.5000	S 43.5000° W	120.21
C33	90.0000	110.00	172.79	0.5000	0.5000	E 43.5000° W	155.56
C34	90.0000	60.00	84.25	0.5000	0.5000	S 43.5000° W	84.25
C35	90.0000	85.00	133.52	0.5000	0.5000	S 43.5000° W	120.21
C36	90.0000	110.00	172.79	0.5000	0.5000	E 43.5000° W	155.56
C37	90.0000	60.00	84.25	0.5000	0.5000	S 43.5000° W	84.25
C38	90.0000	85.00	133.52	0.5000	0.5000	S 43.5000° W	120.21
C39	90.0000	110.00	172.79	0.5000	0.5000	E 43.5000° W	155.56
C40	90.0000	60.00	84.25	0.5000	0.5000	S 43.5000° W	84.25
C41	90.0000	85.00	133.52	0.5000	0.5000	S 43.5000° W	120.21
C42	90.0000	110.00	172.79	0.5000	0.5000	E 43.5000° W	155.56

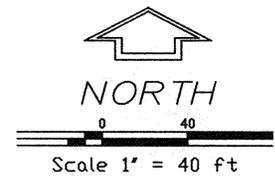


**CENTENNIAL SOUTH WESTFIELD, INDIANA**  
**SEC. 15, T 18 N, R 3 E**  
**HAMILTON COUNTY**  
**AS-BUILT SURVEY**

ESTRIDGE DEVELOPMENT COMPANY, INC. DRAWING NO. 5005199 SHEET 5 OF 8

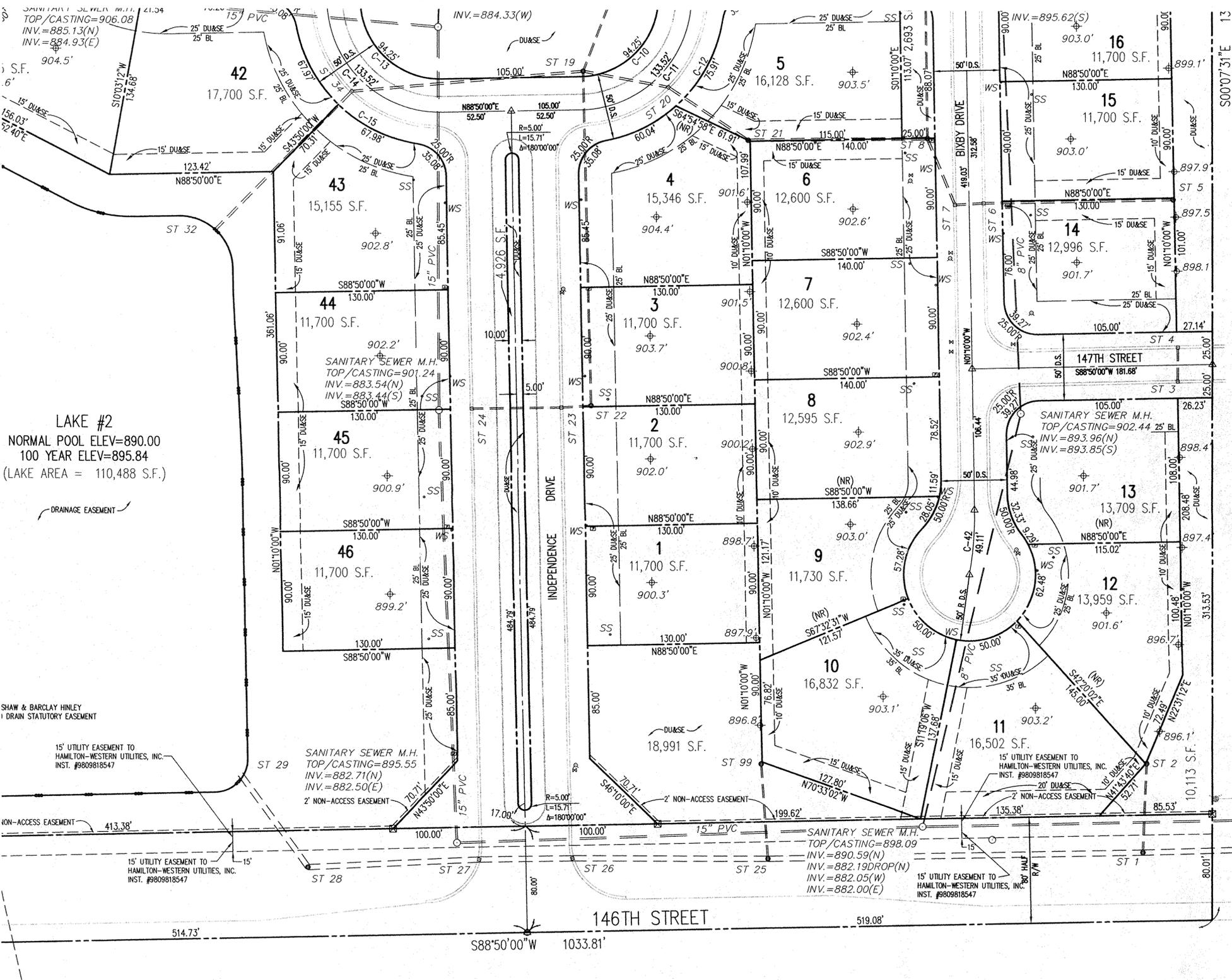
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**LEGEND**

NUMBER	DELTA	ANGLE	RADIUS	ARC LENGTH	CHORD	DIRECTION	CHORD LENGTH	PROPERTY LINE	EASEMENT LINE
C1	90.00	0.00	94.25	N 46°10'00" W	84.85			3	
C2	90.00	0.00	85.00	N 46°10'00" W	120.21			4	
C3	90.00	0.00	110.00	N 46°10'00" W	155.56			5	
C4	90.00	0.00	60.00	S 43°50'00" W	84.65			6	
C5	90.00	0.00	85.00	S 43°50'00" W	120.21			7	
C6	90.00	0.00	110.00	S 43°50'00" W	155.56			8	
C7	90.00	0.00	60.00	S 43°50'00" W	84.65			9	
C8	90.00	0.00	85.00	N 46°10'00" W	120.21			10	
C9	90.00	0.00	110.00	N 46°10'00" W	155.56			11	
C10	90.00	0.00	60.00	N 46°10'00" W	84.65			12	
C11	90.00	0.00	85.00	N 46°10'00" W	120.21			13	
C12	90.00	0.00	110.00	N 46°10'00" W	155.56			14	
C13	90.00	0.00	60.00	N 46°10'00" W	84.65			15	
C14	90.00	0.00	85.00	N 46°10'00" W	120.21			16	
C15	90.00	0.00	110.00	N 46°10'00" W	155.56			17	
C16	90.00	0.00	60.00	N 46°10'00" W	84.65			18	
C17	90.00	0.00	85.00	N 46°10'00" W	120.21			19	
C18	90.00	0.00	110.00	N 46°10'00" W	155.56			20	
C19	90.00	0.00	60.00	N 46°10'00" W	84.65			21	
C20	90.00	0.00	85.00	N 46°10'00" W	120.21			22	
C21	90.00	0.00	110.00	N 46°10'00" W	155.56			23	
C22	145.73	275.00	71.79	N 06°21'48" E	71.59			24	
C23	152°41'	300.00	60.65	N 06°35'08" E	80.41			25	
C24	152°41'	325.00	63.263	N 06°28'50" E	85.4979			26	
C25	49°33'02"	40.00	34.64	N 36°47'29" E	33.74			27	
C26	49°10'26"	40.00	34.33	N 10°35'16" W	33.29			28	
C27	90.00	0.00	85.00	N 46°10'00" W	120.21			29	
C28	46°31'23"	110.00	69.32	N 46°10'00" W	86.89			30	
C29	90.00	0.00	85.00	S 43°52'53" W	120.21			31	
C30	46°31'23"	110.00	69.32	S 43°52'53" W	86.89			32	
C31	136°31'23"	110.00	262.11	S 89°52'53" W	204.35			33	
C32	00°35'18"	325.00	3.34	S 00°49'28" E	3.34			34	
C33	00°35'18"	350.00	3.42	S 00°50'00" E	3.42			35	
C34	00°35'03"	375.00	3.50	S 00°51'00" E	3.50			36	
C35	70°18'45"	60.00	94.25	S 55°57'44" E	84.85			37	
C36	89°10'24"	85.00	133.92	S 56°36'55" E	120.21			38	
C37	90.00	0.00	110.00	N 46°10'00" W	155.56			39	
C38	00°44'47"	175.00	2.28	N 00°44'43" W	2.28			40	
C39	00°40'43"	200.00	2.36	N 00°46'50" W	2.36			41	
C40	12°37'19"	225.00	2.44	S 00°48'29" E	2.44			42	
C41	11°15'17"	250.00	49.11	N 04°27'36" E	49.03			43	



**LAKE #2**  
 NORMAL POOL ELEV.=890.00  
 100 YEAR ELEV.=895.84  
 (LAKE AREA = 110,488 S.F.)

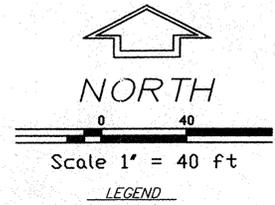
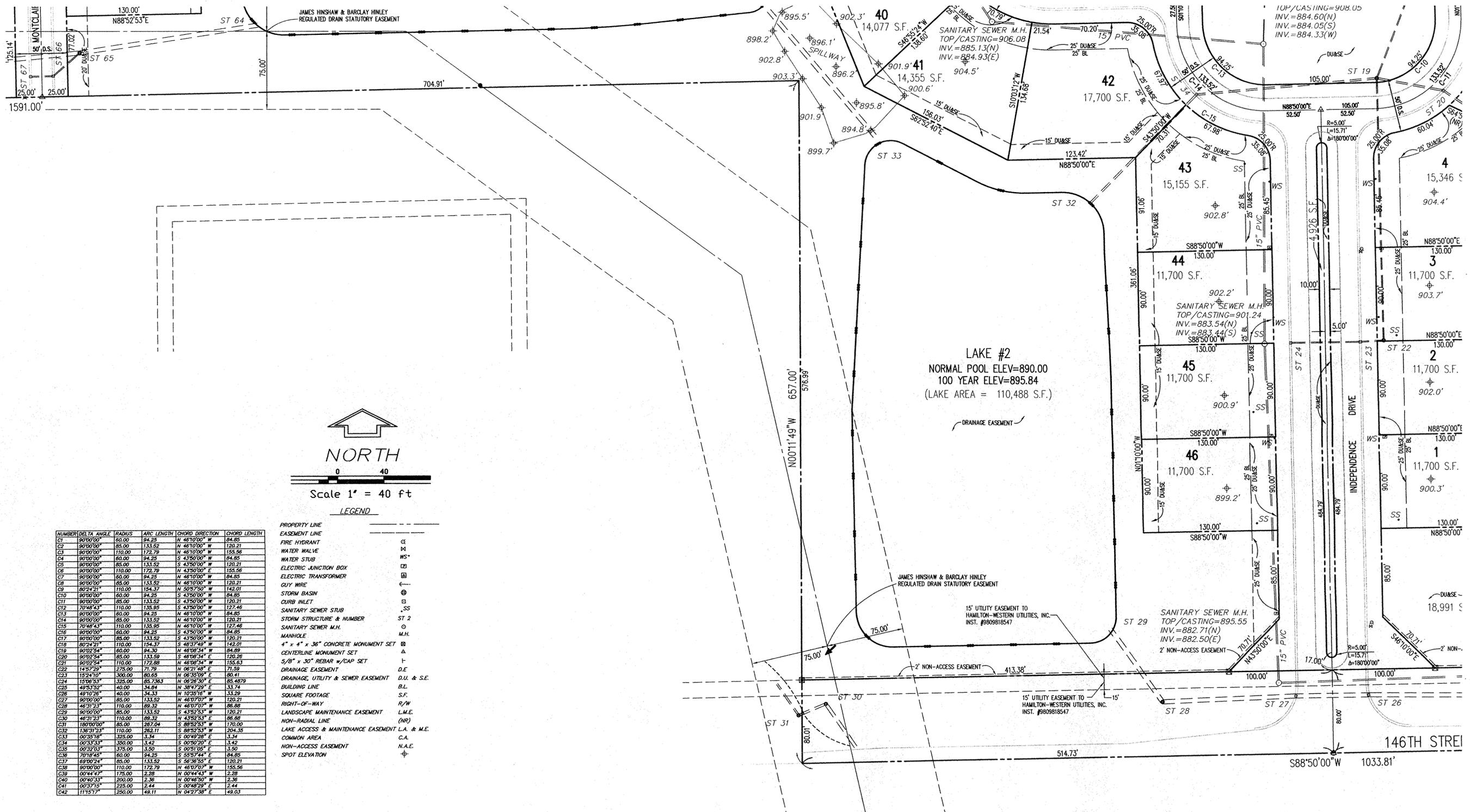
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 Entry Date: 8-5-09  
 Entered By: SLM

**CENTENNIAL SOUTH WESTFIELD, INDIANA**  
 SEC. 15, T 18 N, R 3 E  
 HAMILTON COUNTY  
 AS-BUILT SURVEY

ESTRIDGE DEVELOPMENT COMPANY, INC. DRAWING NO. 5005199 SHEET 6 OF 8

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LEGEND

PROPERTY LINE	---
EASEMENT LINE	- - - -
FIRE HYDRANT	⊕
WATER VALVE	⊕
WATER STUB	⊕
ELECTRIC JUNCTION BOX	⊕
ELECTRIC TRANSFORMER	⊕
GUY WIRE	—
STORM BASIN	⊕
CURB INLET	⊕
SANITARY SEWER STUB	—SS
STORM STRUCTURE & NUMBER	ST 2
SANITARY SEWER M.H.	⊕
MANHOLE	⊕
4" x 4" x 36" CONCRETE MONUMENT SET	⊕
CENTERLINE MONUMENT SET	⊕
5/8" x 30" REBAR w/CAP SET	⊕
DRAINAGE EASEMENT	D.E.
DRAINAGE, UTILITY & SEWER EASEMENT	D.U. & S.E.
BUILDING LINE	B.L.
SQUARE FOOTAGE	S.F.
RIGHT-OF-WAY	R/W
LANDSCAPE MAINTENANCE EASEMENT	L.M.E.
NON-RADIAL LINE	(NR)
LAKE ACCESS & MAINTENANCE EASEMENT	L.A. & M.E.
COMMON AREA	C.A.
NON-ACCESS EASEMENT	N.A.E.
SPOT ELEVATION	⊕

NUMBER	DELTA ANGLE	RADIUS	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	90°00'00"	60.00	94.25	N 48°10'00" W	84.85
C2	90°00'00"	60.00	133.52	N 48°10'00" W	120.21
C3	90°00'00"	110.00	172.79	N 48°10'00" W	155.56
C4	90°00'00"	60.00	94.25	S 43°50'00" W	84.85
C5	90°00'00"	85.00	133.52	S 43°50'00" W	120.21
C6	90°00'00"	110.00	172.79	N 43°50'00" E	155.56
C7	90°00'00"	60.00	94.25	N 48°10'00" W	84.85
C8	90°00'00"	65.00	133.52	N 48°10'00" W	120.21
C9	89°24'21"	110.00	154.37	N 50°25'20" W	142.01
C10	90°00'00"	60.00	94.25	S 43°50'00" W	84.85
C11	90°00'00"	85.00	133.52	S 43°50'00" W	120.21
C12	70°48'43"	110.00	155.95	S 43°50'00" W	127.46
C13	90°00'00"	60.00	94.25	N 48°10'00" W	84.85
C14	90°00'00"	85.00	133.52	N 48°10'00" W	120.21
C15	70°48'43"	110.00	155.95	N 48°10'00" W	127.46
C16	90°00'00"	60.00	94.25	S 43°50'00" W	84.85
C17	90°00'00"	85.00	133.52	S 43°50'00" W	120.21
C18	80°24'21"	110.00	154.37	S 48°37'49" W	142.01
C19	90°02'54"	60.00	94.30	N 48°08'54" E	84.89
C20	90°02'54"	85.00	133.59	S 48°08'54" E	120.26
C21	90°02'54"	110.00	172.88	N 48°08'54" E	155.63
C22	114°57'29"	275.00	71.79	N 08°21'48" E	71.59
C23	152°41'0"	500.00	60.65	N 06°35'09" E	80.41
C24	152°06'53"	325.00	85.7363	N 06°28'30" E	85.4879
C25	48°53'52"	40.00	34.84	N 38°47'29" E	33.74
C26	48°07'26"	40.00	34.53	N 02°16'16" W	33.29
C27	90°00'00"	85.00	133.52	N 48°07'07" W	120.21
C28	46°31'23"	110.00	89.32	N 48°07'07" W	86.88
C29	90°00'00"	85.00	133.52	S 43°52'53" E	120.21
C30	46°31'23"	110.00	89.32	N 43°52'53" E	86.88
C31	180°00'00"	85.00	287.04	S 88°53'53" W	170.00
C32	158°31'29"	110.00	262.11	S 88°53'53" W	204.45
C33	00°02'58"	325.00	1.54	S 00°48'28" E	3.34
C34	00°33'33"	350.00	3.42	S 00°50'20" E	3.42
C35	00°12'03"	375.00	3.50	S 00°51'05" E	3.50
C36	270°45'45"	60.00	94.25	S 88°53'53" E	84.85
C37	69°00'24"	85.00	133.52	S 56°36'55" E	120.21
C38	90°00'00"	110.00	172.79	N 48°07'07" W	155.56
C39	00°44'47"	175.00	2.28	N 00°44'47" W	2.28
C40	00°40'33"	200.00	2.36	N 00°46'50" W	2.36
C41	00°37'15"	225.00	2.44	S 00°48'29" E	2.44
C42	171°51'17"	250.00	48.11	N 04°27'38" E	48.03

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 SEC. 15, T 18 N, R 3 E  
 HAMILTON COUNTY  
 AS-BUILT SURVEY

ESTRIDGE DEVELOPMENT COMPANY, INC. DRAWING NO. 5005199 SHEET 7 OF 8

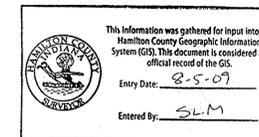
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### STRUCTURE DATA TABLE

STR. NO.	CASTING-INLET	TOP OF CASTING AT FLOWLINE	PIPE TYPE	PIPE LENGTH (FT)	PIPE SIZE (IN)	INVERT (NORTH)	INVERT (SOUTH)	INVERT (EAST)	INVERT (WEST)	COMMENTS
ST 1	BEEHIVE INLET	896.70	RCP	388	48	883.92	----	883.92	883.92	
ST 2	BEEHIVE INLET	895.95	RCP	67	12	----	888.80	----	----	
ST 3	CURB INLET	897.88	RCP	25	12	894.18	----	----	----	
ST 4	CURB INLET	897.88	RCP	173	15	893.68	893.90	----	----	
ST 5	BEEHIVE INLET	897.89	RCP	24	15	----	893.59	----	894.14	
ST 6	CURB INLET	900.68	RCP	21	15	----	----	892.96	892.98	
ST 7	CURB INLET	900.57	RCP	54	18	----	----	893.07	892.85	
ST 8	STORM MAN HOLE	901.69	RCP	127	18	896.79	892.79	----	892.54	
ST 9	CURB INLET	901.93	RCP	----	12	897.98	897.76	898.43	----	
ST 10	CURB INLET	902.00	RCP	21	12	----	898.17	----	----	
ST 11	CURB INLET	902.38	RCP	42	12	----	----	----	897.68	
ST 12	BEEHIVE INLET	898.84	RCP	144	12	----	----	----	896.04	
ST 13	CURB INLET	905.04	RCP	19	12	----	----	895.24	895.64	
ST 14	CURB INLET	905.02	RCP	155	12	----	----	895.34	895.22	
ST 15	BEEHIVE INLET	902.82	RCP	165	18	----	----	894.62	894.47	
ST 16	CURB INLET	904.23	RCP	19	18	----	----	893.75	893.88	
ST 17	CURB INLET	904.33	RCP	142	18	----	----	893.78	893.63	
ST 18	CURB INLET	904.85	RCP	185	12	----	901.01	----	----	
ST 19	STORM MAN HOLE	906.89	RCP	174	18	900.24	895.79	891.74	891.69	
ST 20	CURB INLET	904.75	RCP	64	18	----	----	892.05	892.05	
ST 21	BEEHIVE INLET	901.35	RCP	72	18	----	----	892.46	892.46	
ST 22	STORM MAN HOLE	901.84	RCP	250	12	897.14	----	----	897.54	
ST 23	CURB INLET	901.31	RCP	20	12	----	----	897.11	897.21	
ST 24	CURB INLET	901.23	RCP	67	12	----	----	897.58	----	
ST 25	BEEHIVE INLET	895.97	RCP	258	48	----	----	884.62	884.62	
ST 26	CURB INLET	894.97	RCP	150	48	----	----	884.97	884.69	
ST 27	CURB INLET	894.88	RCP	71	48	----	----	884.83	885.14	
ST 28	BEEHIVE INLET	892.46	RCP	131	48	885.61	----	885.61	----	
ST 29	END OF PIPE	----	RCP	85	48	----	----	----	----	893.71 INV
ST 30	CONVEX GRATE INLET	892.26	RCP	21	36	----	886.46	----	886.46	
ST 31	CONVEX GRATE INLET	892.87	RCP	28	24	----	----	886.79	----	
ST 32	END OF PIPE	----	RCP	147	24	----	----	----	----	889.97 INV
ST 33	END OF PIPE	----	RCP	----	48	----	----	----	----	890.33 INV
ST 34	CURB INLET	904.64	RCP	120	24	----	----	890.43	890.30	
ST 35	END OF PIPE	----	RCP	160	48	----	----	----	----	891.09 INV
ST 36	END OF PIPE	----	RCP	----	24	----	----	----	----	891.21 INV
ST 37	BEEHIVE INLET	903.45	RCP	72	24	----	891.51	891.51	----	
ST 38	CURB INLET	903.12	RCP	144	24	----	----	892.18	892.07	
ST 39	CURB INLET	903.08	RCP	20	24	----	----	892.43	892.08	
ST 40	BEEHIVE INLET	903.58	RCP	142	24	892.53	----	900.58	892.53	
ST 41	CURB INLET	904.72	RCP	97	12	900.72	----	----	----	
ST 42	BEEHIVE INLET	903.46	RCP	88	24	----	892.54	892.54	----	
ST 43	BEEHIVE INLET	899.34	RCP	30	24	----	----	892.99	892.99	
ST 44	BEEHIVE INLET	901.25	RCP	144	12	----	----	----	898.52	
ST 45	CURB INLET	904.85	RCP	20	12	----	----	897.68	897.60	
ST 46	CURB INLET	904.74	RCP	43	15	----	----	897.76	897.64	
ST 47	STORM MAN HOLE	906.30	RCP	139	15	----	----	897.30	897.25	
ST 48	BEEHIVE INLET	902.73	RCP	16	18	----	896.83	896.83	----	
ST 49	BEEHIVE INLET	903.08	RCP	143	18	896.78	----	----	896.78	
ST 50	BEEHIVE INLET	904.01	RCP	66	12	898.96	898.96	----	----	
ST 51	BEEHIVE INLET	903.86	RCP	32	12	----	899.11	898.94	----	
ST 52	CURB INLET	902.82	RCP	26	18	----	----	895.70	895.57	
ST 53	CURB INLET	902.88	RCP	142	21	----	----	895.50	895.43	
ST 54	BEEHIVE INLET	902.94	RCP	15	21	----	894.84	894.9	----	
ST 55	BEEHIVE INLET	902.77	RCP	160	21	896.47	----	896.47	----	

### STRUCTURE DATA TABLE

STR. NO.	CASTING-INLET	TOP OF CASTING AT FLOWLINE	PIPE TYPE	PIPE LENGTH (FT)	PIPE SIZE (IN)	INVERT (NORTH)	INVERT (SOUTH)	INVERT (EAST)	INVERT (WEST)	COMMENTS
ST 56	CURB INLET	903.45	RCP	120	12	899.70	899.75	----	----	
ST 57	CURB INLET	903.32	RCP	20	12	900.00	----	----	----	
ST 58	BEEHIVE INLET	902.24	RCP	147	30	899.34	----	893.64	893.96	
ST 59	BEEHIVE INLET	901.60	RCP	35	18	----	----	892.15	892.15	
ST 60	CURB INLET	901.85	RCP	21	30	892.23	892.00	----	----	
ST 61	CURB INLET	901.79	RCP	142	30	891.69	891.79	----	----	
ST 62	BEEHIVE INLET	900.71	RCP	46	30	891.16	891.11	----	895.41	
ST 63	END OF PIPE	----	RCP	----	30	----	----	----	----	891.06 INV
ST 64	END OF PIPE	----	RCP	----	48	----	----	----	----	891.09 INV
ST 65	BEEHIVE INLET	901.83	RCP	173	48	----	----	891.28	891.53	
ST 66	CURB INLET	901.50	RCP	32	12	----	----	898.10	898.07	
ST 67	CURB INLET	901.53	RCP	20	12	----	----	----	898.28	
ST 68	BEEHIVE INLET	901.20	RCP	99	48	891.80	----	892.00	891.80	
ST 69	CURB INLET	901.13	RCP	128	12	897.53	897.48	----	----	
ST 70	CURB INLET	901.02	RCP	20	12	----	897.87	----	----	
ST 71	BEEHIVE INLET	900.11	RCP	53	12	----	----	897.56	----	
ST 72	CURB INLET	901.21	RCP	20	12	----	----	896.91	897.01	
ST 73	CURB INLET	901.26	RCP	188	12	----	----	896.81	896.96	
ST 74	CURB INLET	902.23	RCP	20	12	899.03	----	----	----	
ST 75	CURB INLET	902.25	RCP	128	12	898.90	899.00	----	----	
ST 76	BEEHIVE INLET	902.49	RCP	100	18	899.59	----	897.49	897.54	
ST 77	STORM MAN HOLE	902.86	RCP	37	18	----	----	896.21	896.28	
ST 78	CURB INLET	902.03	RCP	36	18	----	----	895.98	895.85	
ST 79	CURB INLET	902.03	RCP	15	18	----	----	895.68	895.58	
ST 80	BEEHIVE INLET	903.04	RCP	80	12	----	900.09	----	----	
ST 81	CURB INLET	904.76	RCP	165	12	900.76	900.66	----	----	
ST 82	CURB INLET	904.73	RCP	26	12	902.08	900.83	----	----	
ST 83	BEEHIVE INLET	905.93	RCP	180	12	----	903.23	----	----	
ST 84	CONVEX GRATE INLET	902.59	RCP	364	18	899.99	----	899.39	899.64	
ST 85	CURB INLET	905.60	RCP	20	12	----	902.00	----	----	
ST 86	CURB INLET	905.54	RCP	154	12	901.99	901.94	----	----	
ST 87	BEEHIVE INLET	902.72	RCP	152	12	899.92	899.92	----	----	
ST 88	CURB INLET	904.04	RCP	20	12	899.19	899.14	----	----	
ST 89	CURB INLET	903.94	RCP	130	12	899.07	899.04	----	----	
ST 90	BEEHIVE INLET	903.73	RCP	437	48	892.39	----	892.07	892.43	
ST 91	CONVEX GRATE INLET	902.04	RCP	284	48	----	----	893.09	893.09	
ST 92	BEEHIVE INLET	905.71	RCP	54	48	----	----	892.95	892.95	
ST 93	BOX INLET	897.98	RCP	108	48	----	----	892.78	895.08	
ST 94	END OF PIPE	----	CMP	POND	12	----	----	----	----	898.89 INV
ST 95	CURB INLET	904.86	RCP	78	12	901.81	----	----	----	
ST 96	CURB INLET	905.85	RCP	48	12	901.30	901.35	----	----	
ST 97	CURB INLET	905.71	RCP	128	12	901.06	901.19	----	----	
ST 98	BEEHIVE INLET	905.21	RCP	12	12	----	900.93	900.81	----	
ST 99	BEEHIVE INLET	896.79	RCP	71	12	----	889.71	----	----	
ST 100	BEEHIVE INLET	890.52	RCP	112	48	----	----	----	----	
ST 101	END OF PIPE	----	RCP	----	48	----	----	----	----	883.07 INV



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