Drain: LAUREL LAKES **Drain #:** 276
Improvement/Arm: SECTION 3
Operator: J. LIVINGSTON **Date:** 3-10-04
Drain Classification: Urban/Rural **Year Installed:** 1998

GIS Drain Input Checklist

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

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Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: Laurel Lakes Drain : Laurel Lakes Sec. 3

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
SSD	6"	8026'	8026'	Ø		
RCP	12"	340'	340'	Ø		
RCP	15"	37'	37'	Ø		
RCP	18"	60'	60'	Ø		
RCP	21"	616.9'	616.9'	Ø		
RCP	24"	21'	21'	Ø		
RCP	27"	222	222'	Ø		
	Sum:	9322.9	9322.9	Ø		

Final Report: 9322.9

Comments:

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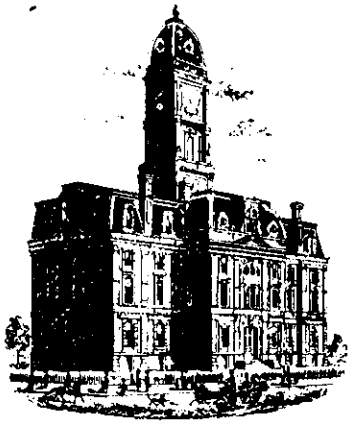

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
Phone (317) 776-8495
Fax (317) 776-9628

Suite 146
One Hamilton County Square
Noblesville, Indiana 46060-2230

TO: Hamilton County Drainage Board February 18, 1999

RE: Laurel Lakes Drain, Section 3 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 3 Arm, Laurel Lakes Drain. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable; will improve the public health; benefit a public highway and be of public utility; and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

6"	SSD	4742 ft	18"	RCP	60 ft	27"	RCP	175 ft
12"	RCP	340 ft	21"	RCP	615 ft			
15"	RCP	37 ft	24"	RCP	21ft			

The total length of the drain will be 5,990 feet.

The retention pond (lake) located in the Common Area in the rear of Lots 27-43 is not to be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond (lake) will be the responsibility of the Owners Association. The Board will however, retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines between lots or in rear yards. Only the main SSD lines which are located within the easement/right of way are to be maintained as

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regulated drain. Laterals for the individual lots will not be considered part of the regulated drain. The portion of the SSD which will be regulated other that those under curbs are as follows: Rear of lots 24 and 25; South side of Lot 24; Rear of Lots 47, 48 and 49, between pavement and sidewalk on the West side of Towne Road and the South side of 126th Street.

The above lengths do not include the 80' of 44"x72" CMPA which is being installed under 156th Street. This is a structure replacement for the Collins-Osborn Drain and will not be adding length to that 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 $35.00 per lot, $5.00 per acre for roadways and tracts, with a $35.00 minimum. With this assessment the total annual assessment for this drain/this section will be $1,243.16.

Parcels assessed for this drain will also be assessed for the J. W. Brendel Drain.

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

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

I recommend the Board set a hearing for this proposed drain for March 22, 1999.

Sincerely,

Kenton C. Ward
Hamilton County Surveyor

Laurel Lakes, Section 3 pg. 2 This copy is from the Digital Archive of the Hamilton County Surveyor's Office; Noblesville, In 46060

First National Bank & Trust

IRREVOCABLE STANDBY LETTER OF CREDIT

Irrevocable Letter of Credit No.: 2223 Date: November 17, 1998

BENEFICIARY:
Hamilton County Commissioners
One Hamilton County Square
Noblesville, IN 46060

FOR THE ACCOUNT OF:
Laurel Lakes Development Corp.
4545 Northwestern Drive
Zionsville, IN 46077

Gentlemen:

We hereby establish our Irrevocable Standby Letter of Credit in your favor, for the account indicated above, for the sum or sums not exceeding an aggregate amount of U.S. $62,432.00 (Sixty two thousand Four hundred thirty two Dollars and 00/100).

Funds are available for draft(s) at sight drawn on First National Bank & Trust, 568 East Carmel Drive, Carmel, Indiana 46032.

Drafts are to be accompanied by:

1. The original of this Irrevocable Letter of Credit No. 2223
2. Beneficiary's signed statement that Laurel Lakes Development Corp. has failed to complete Storm Sewers in Laurel Lakes Section 3 subdivision.

All drafts drawn under this Letter of Credit are to be endorsed hereon and shall bear the clause: "Drawn under First National Bank Irrevocable Letter of Credit No. 2223," and must be drawn and presented on or before June 30, 1999.

We hereby agree with you that all drafts drawn under and in compliance with the terms of this Irrevocable Standby Letter of Credit will be duly honored upon proper presentation.

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

Except as otherwise expressly stated herein, this credit is subject to the Uniform Customs and Practice for Documentary Credits (1993 Revision), International Chamber of Commerce, Publication No. 500.

Very truly yours,

First National Bank & Trust

David R. Dunbar
Vice President

FILED

NOV 1 1 1999

OFFICE OF HAMILTON COUNTY SURVEYOR

Carmel Banking Center

568 East Carmel Drive, Carmel, IN 46032, Telephone: (317) 844-8801

Member FDIC

A HASTEN BANCSHARES BANK

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

First National Bank & Trust

IRREVOCABLE STANDBY LETTER OF CREDIT

Irrevocable Letter of Credit No.: 2224 Date: November 17, 1998

BENEFICIARY:
Hamilton County Commissioners
One Hamilton County Square
Noblesville, IN 46060

FOR THE ACCOUNT OF:
Laurel Lakes Development Corp.
4545 Northwestern Drive
Zionsville, IN 46077

Gentlemen:

We hereby establish our Irrevocable Standby Letter of Credit in your favor, for the account indicated above, for the sum or sums not exceeding an aggregate amount of U.S. $27,812.00 (Twenty-seven thousand Eight hundred twelve Dollars and 00/100).

Funds are available for draft(s) at sight drawn on First National Bank & Trust, 568 East Carmel Drive, Carmel, Indiana 46032.

Drafts are to be accompanied by:

1. The original of this Irrevocable Letter of Credit No. 2224
2. Beneficiary's signed statement that Laurel Lakes Development Corp. has failed to complete Subsurface Drains in Laurel Lakes Section 3 subdivision.

All drafts drawn under this Letter of Credit are to be endorsed hereon and shall bear the clause: "Drawn under First National Bank Irrevocable Letter of Credit No. 2224," and must be drawn and presented on or before June 30, 1999.

We hereby agree with you that all drafts drawn under and in compliance with the terms of this Irrevocable Standby Letter of Credit will be duly honored upon proper presentation.

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Very truly yours,

First National Bank & Trust

David R. Dunbar
Vice President

FILED

OFFICE OF HAMILTON COUNTY SURVEYOR

Carmel Banking Center

568 East Carmel Drive, Carmel, IN 46032, Telephone: (317) 844-8801

Member FDIC

A HASTEN BANCSHARES BANK

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First National Bank & Trust

FILE COPY

IRREVOCABLE STANDBY LETTER OF CREDIT

Irrevocable Letter of Credit No.: 2225 Date: November 17, 1998

BENEFICIARY:
Hamilton County Commissioners
One Hamilton County Square
Noblesville, IN 46060

FOR THE ACCOUNT OF:
Laurel Lakes Development Corp.
4545 Northwestern Drive
Zionsville, IN 46077

Gentlemen:

We hereby establish our Irrevocable Standby Letter of Credit in your favor, for the account indicated above, for the sum or sums not exceeding an aggregate amount of U.S. $22,097.00 (Twenty two thousand Ninety seven Dollars and 00/100).

Funds are available for draft(s) at sight drawn on First National Bank & Trust, 568 East Carmel Drive, Carmel, Indiana 46032.

Drafts are to be accompanied by:

1. The original of this Irrevocable Letter of Credit No. 2225
2. Beneficiary's signed statement that Laurel Lakes Development Corp. has failed to complete Erosion Control in Laurel Lakes Section 3 subdivision.

All drafts drawn under this Letter of Credit are to be endorsed hereon and shall bear the clause: "Drawn under First National Bank Irrevocable Letter of Credit No. 2225," and must be drawn and presented on or before June 30, 1999.

We hereby agree with you that all drafts drawn under and in compliance with the terms of this Irrevocable Standby Letter of Credit will be duly honored upon proper presentation.

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Except as otherwise expressly stated herein, this credit is subject to the Uniform Customs and Practice for Documentary Credits (1993 Revision), International Chamber of Commerce, Publication No. 500.

Very truly yours,

First National Bank & Trust

David R. Dunbar
Vice President

FILED
NOV 1 7 1999
OFFICE OF HAMILTON COUNTY SURVEYOR

Carmel Banking Center

568 East Carmel Drive, Carmel, IN 46032, Telephone: (317) 844-8801

Member FDIC

A HASTEN BANCSHARES BANK

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CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Laurel Lakes Section Two & Three

I hereby certify that:

1. I am a Registered Land Surveyor or Engineer in the State of Indiana .
2. I am familiar with the plans and specifications for the above referenced subdivision .
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced subdivision .
4. The drainage facilities within the above referenced subdivision to the best of my knowledge , information and belief have been installed and completed in comformity with all plans and specifications .

Signature: Allan H. Weihe Date: July 8, 2004

Type or Print Name: Allan H. Weihe

Business Address: 10505 N. College Ave., Indianapolis, Indiana 46280

Telephone Number: 846-6611

SEAL

INDIANA REGISTRATION NUMBER

8827

ALLAN H. WEIHE REGISTERED No. 8827 STATE OF INDIANA PROFESSIONAL ENGINEER

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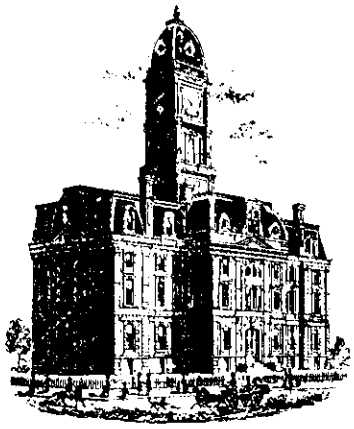

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
Phone (317) 776-8495
Fax (317) 776-9628

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

To: Hamilton County Drainage Board

September 17, 1999

Re: Laurel Lakes Drain: Laurel Lakes Sec. 3

Attached are as-builts, certificate of completion & compliance, and other information for Laurel Lakes 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 February 18, 1999. The report was approved by the Board at the hearing held March 22, 1999. (See Drainage Board Minutes Book 5, Pages 106-108)
The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Grade:	Original:	Difference:
12	897.52	893.77					
11	900.79	893.64	24	21	0.62		
11	900.79	893.64					
10	905.28	893.27	27	20	1.85		
10	905.28	893.27					
9	905.19	893.01	27	27	0.96		
9	905.19	893.01					
8		891.82	27	175	0.68		
6		898.68					
5	896.89	894.32	12	35	6.54		
5	896.89	894.32					
4	902.88	894.12	12	59	0.34		
4	902.88	894.12					
3	902.71	893.84	15	37	0.76		
3	902.71	893.84					
2	903.4	893.56	18	60	0.47		
2	903.4	893.56					
1		891.68	21	167	1.14		
15	903.71	898.9					
14	903.75	897.07	12	29	6.31		
14	903.75	897.07					
13		892.1	12	176	2.82		
7	902.79	900.02					

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3	902.71	893.84	12	41	15.07		
20		898.87					
19	905.85	897.95	21	193.54	0.48		
19	905.85	897.95					
18	905.83	897.77	21	28.15	0.64		
18	905.83	897.77					
17	906.35	897.37	21	64.48	0.63		
17	906.35	897.37					
16		892.01	21	163.73	3.29		

6" SSD Streets:

Ellingwood Dr	169
Mannington Way	214
Hopwood	883
Gaskin Way	570
Derek Dr	961
Warrenburg Way	500
Totalx2:	6594

6" SSD lots:

47-49	340
24-25	404
ROW	688
Total:	1432

RCP Pipe Totals:

12	340
15	37
18	60
21	616.9
24	21
27	222
Total:	1296.9

The length of the drain due to the changes described above is now **9322.9 feet**.

The non-enforcement was approved by the Board at its meeting on March 22, 1999 and recorded under instrument #200000044802.

The following sureties were guaranteed by First National Bank and Trust and released by the Board on its September 15, 2004 meeting.

Bond-LC No: 2223 & 2224
Insured For: Storm Sewers, SSD
Amount: $62,432 & $27,812
Issue Date: November 17, 1998

Bond-LC No: 2225
Insured For: Erosion Control
Amount: $22,097
Issue Date: November 17, 1998

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

Sincerely,

Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

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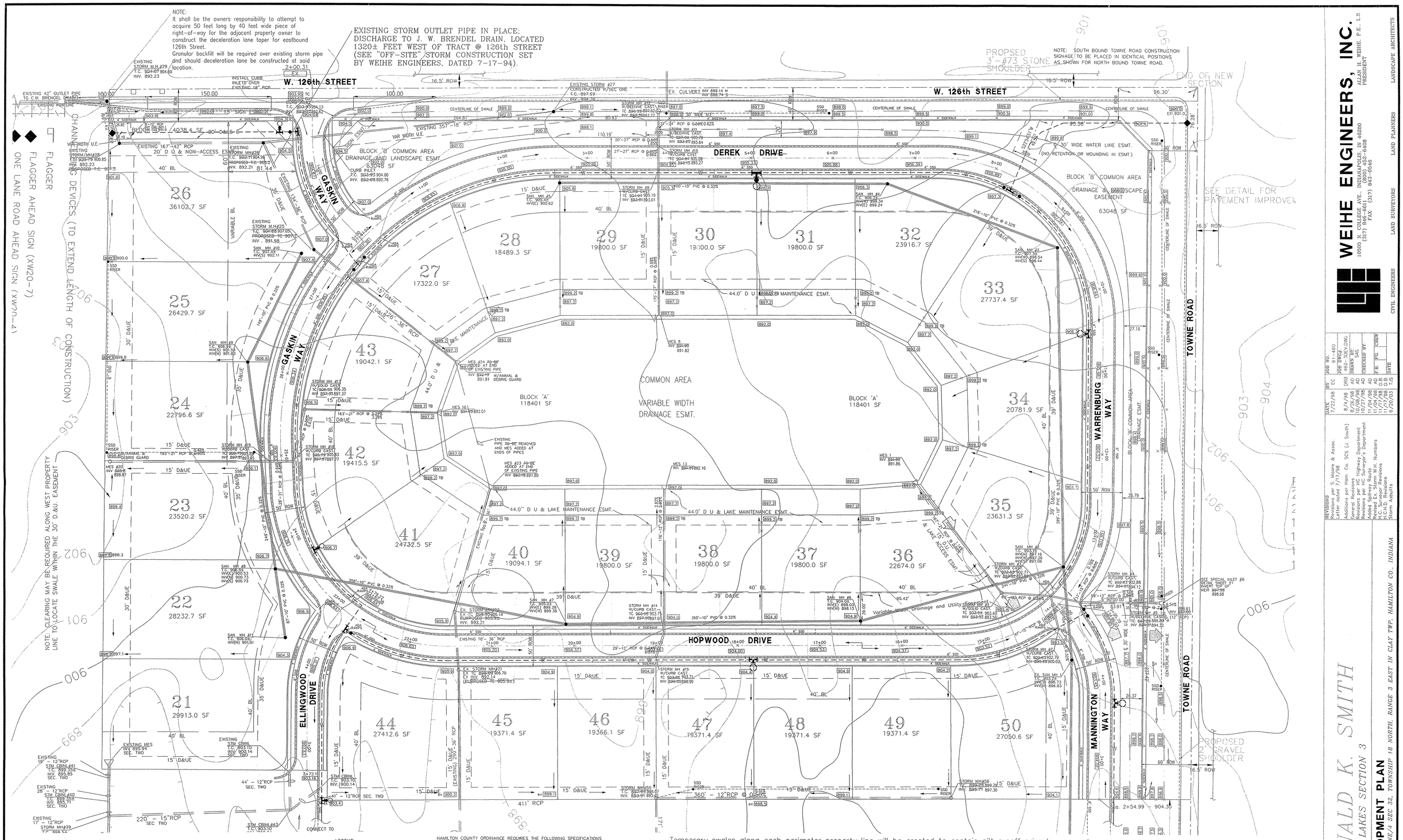

NOTE: FOR WATER LINE PLAN SEE WATER DISTRIBUTION SHEET #19

1" = 50'
0 25 50 100

LEGEND
EMERGENCY SPILLWAY ROUTE

HAMILTON COUNTY ORDINANCE REQUIRES THE FOLLOWING SPECIFICATIONS FOR ROADSIDE SWALES (TOWNE ROAD AND 126th STREET):
a. Minimum flowline grade of ditches shall be 1% while maximum is 7%.
b. Ditches greater than a 3% grade shall be sodded.
c. Maximum depth of roadside ditches shall be 3'6" from top of pavement.
d. Front and back slope of ditch shall not be steeper than a 4:1 slope.

NOTE
1. ALL SIDEWALKS WITHING COMMON AREAS AND FRONTAGE ROADS ARE TO BE INSTALLED BY THE DEVELOPER OR THEIR AUTHORIZED REPRESENTATIVE.
2. SSD ═══ (NOTE: SSD WITHIN R-O-W OF TOWNE ROAD & 126th STREET TO BE HIGH-Q DOUBLE WALL PIPE)
3. LOTS 27-43 SHALL HAVE A MINIMUM FLOOD PROTECTION ELEVATION (STRUCTURE OPENINGS) TO BE 905.4

Temporary swales along each perimeter property line will be created to contain silt runoff prior to any early movement and/or site fill methods. Swales will be cut in existing grades to prevent spilling onto surrounding tracts. Existing structures will be utilized to direct storm drainage into existing retention areas within the Laurel Lakes project. Structures will be provided with additional protection to avoid congestion of pipes with silt or debris. In addition, temporary swales with in the proposed storm pipe routes will be constructed within section three to direct storm drainage to the proposed lake during construction of said lake prior to placement of proposed structures. Proposed storm structures will be placed into section three with priority to control erosion control and silt spillage.
HAMILTON COUNTY ORDINANCE REQUIRES THE FOLLOWING SPECIFICATIONS FOR ROAD SIDE SWALES (TOWNE ROAD AND 126th STREET):
a. Minimum flowline grade of ditches shall be sodded.
b. Ditches greater than a 3% shall be sodded.
c. Maximum depth of roadside ditches shall be 3?6" from top of pavement.
d. Front and back slope of ditch shall not be steeper than a 4:1 slope.

RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY

ALLAN H. WEIHE-REG P.E.-IN #8827

ALLAN H. WEIHE REGISTERED No. 8827 STATE OF INDIANA PROFESSIONAL ENGINEER

WEIHE ENGINEERS, INC.
10505 N. COLLEGE AVE., INDIANAPOLIS, IN 46280
(317) 846-6611 (800) 452-6408
FAX: (317) 843-0546
ALLAN H. WEIHE, P.E., L.S.
PRESIDENT
CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS LANDSCAPE ARCHITECTS

DATE	BY	JOB NO.
7/22/98	EC	91-460

JOB DWG# 460-3DEV.DWG
DRN BY AD
CHECKED BY P.E. P.G. CHKD

DATE	DRN BY
8/4/98	AD
8/28/98	AD
10/08/98	AD
10/27/98	AD
11/04/98	AD
11/16/98	D.B.
11/17/98	D.B.
11/23/98	D.B.
6/20/01	D.B.

REVISIONS
Revisions per S. Moore & Assoc. Letter dated 7/17/98
Additions per Hom. Co. SCS (J. South)
Revisions per HC Highway Department
Revisions per HC Surveyor's Department
Revised Spillway Route
Revised Lot Lines & H.H. Numbers
H.C. Surveyor Revisions
H.C. Revisions
Storm & Inlets

PREPARED FOR:
DONALD K. SMITH
LAUREL LAKES SECTION 3

DEVELOPMENT PLAN
PT E/2 OF NE/4 SEC 32, TOWNSHIP 18 NORTH, RANGE 3 EAST IN CLAY TWP. HAMILTON CO., INDIANA

SHEET NO. **2** OF **21**

File name: H:\91\910460\91460-3\ASBUILTS\460-3DEV

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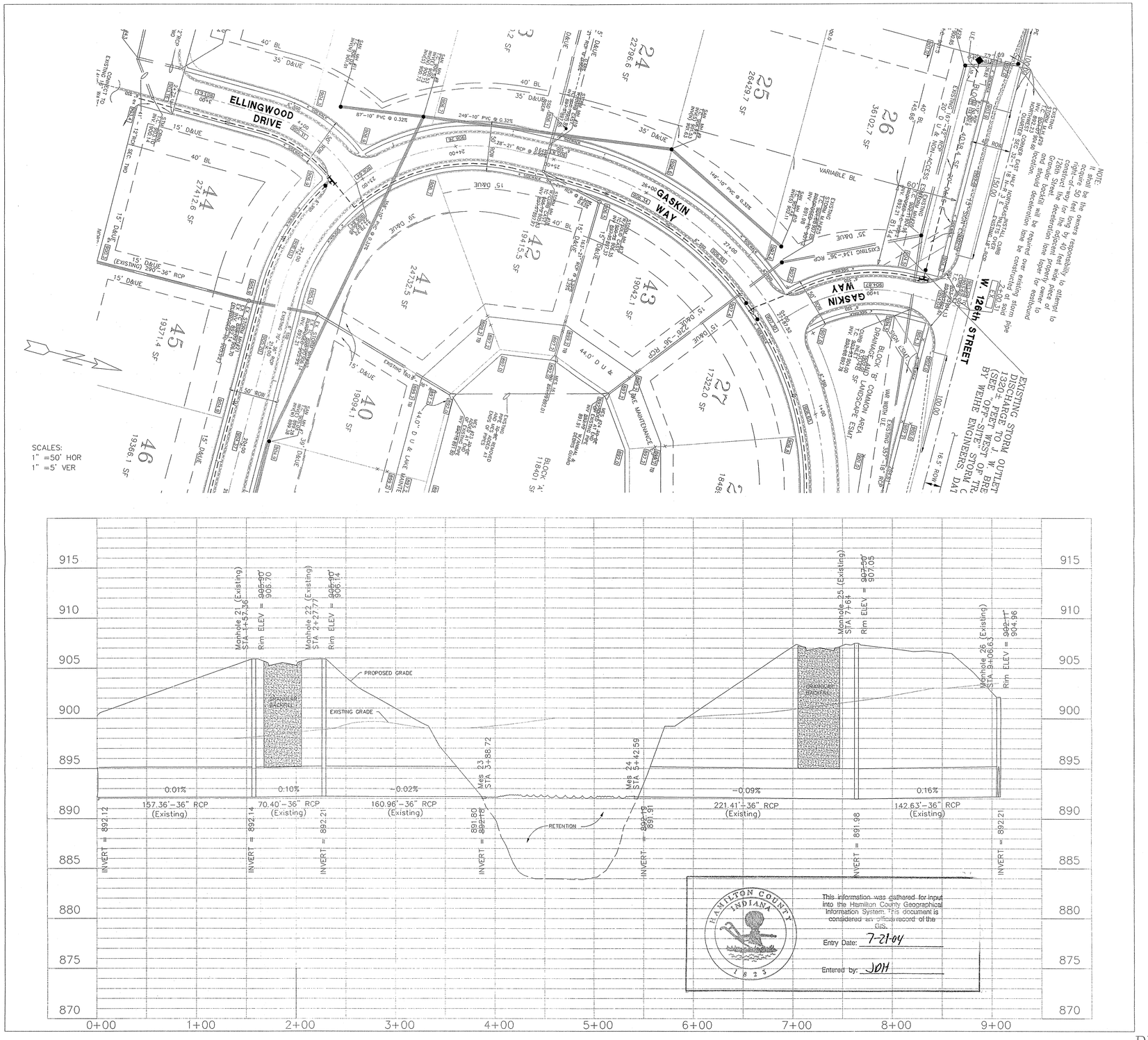

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FAX: (317) 843-0546
ALLAN H. WEIHE, P.E., L.S.
PRESIDENT

CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS LANDSCAPE ARCHITECTS

REVISIONS	DATE	BY	JOB NO.
Revision per HC Highway Department	10/08/98	AD	91-460
Revised Ex. Storm M.H. Numbers	11/05/98	AD	FOR DWG#.
Storm Asbuilts	6/20/03	TJS	460-3ST1.DWG
			DRAWN BY: SJS
			CHECKED BY:
			P.E. PC CHECK
			DATE

PREPARED FOR:
DONALD K. SMITH
LAUREL LAKES SECTION 3

STORM SEWER PLAN & PROFILE
PT. E/2 OF NE/4 SEC 32, TOWNSHIP 18 NORTH, RANGE 3 EAST IN CLAY TWP., HAMILTON CO., INDIANA

SHEET NO. **7** OF **21**

File name: H:\91\910460\91460-3\ASBUILTS\460-3ST1

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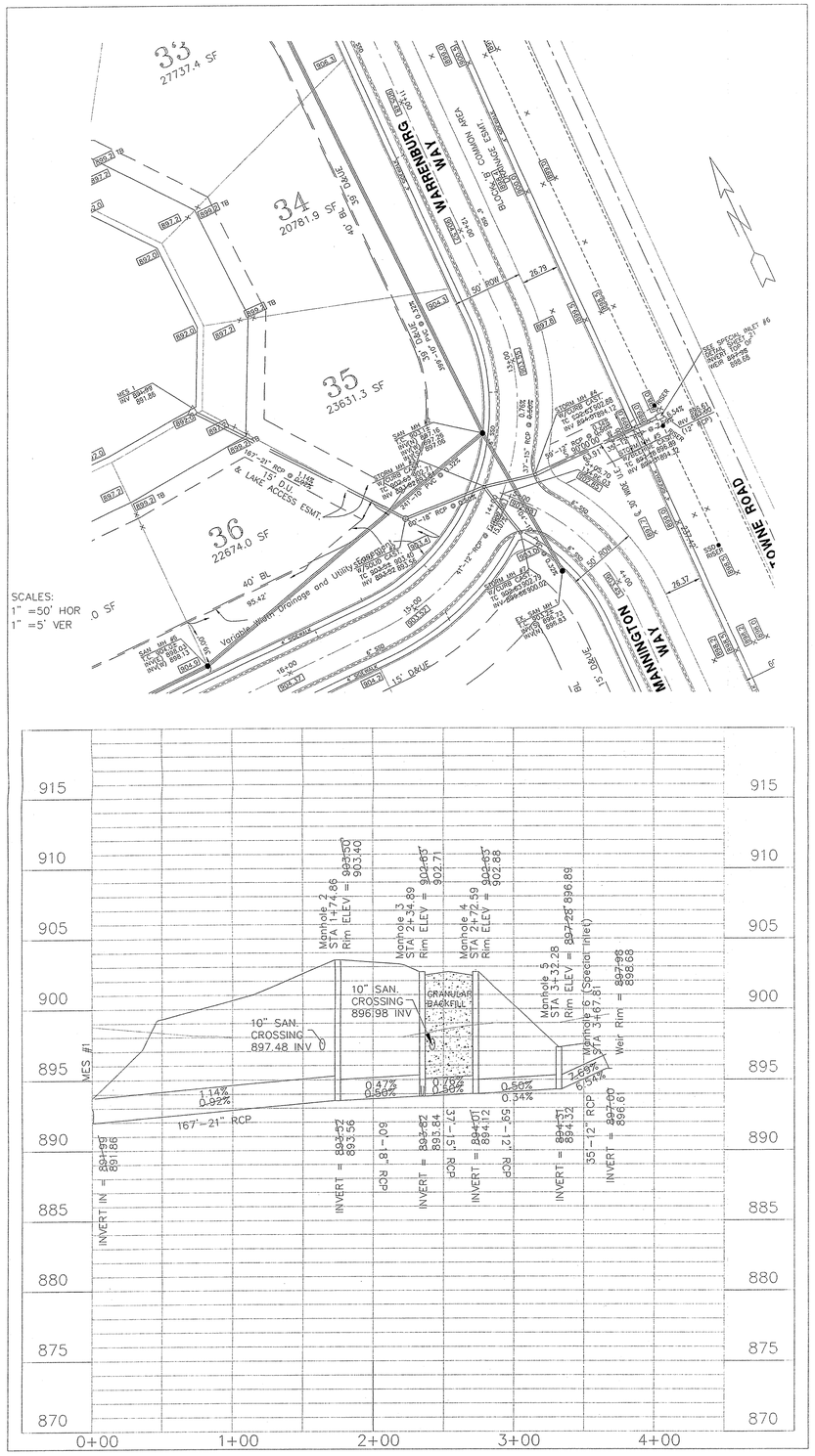

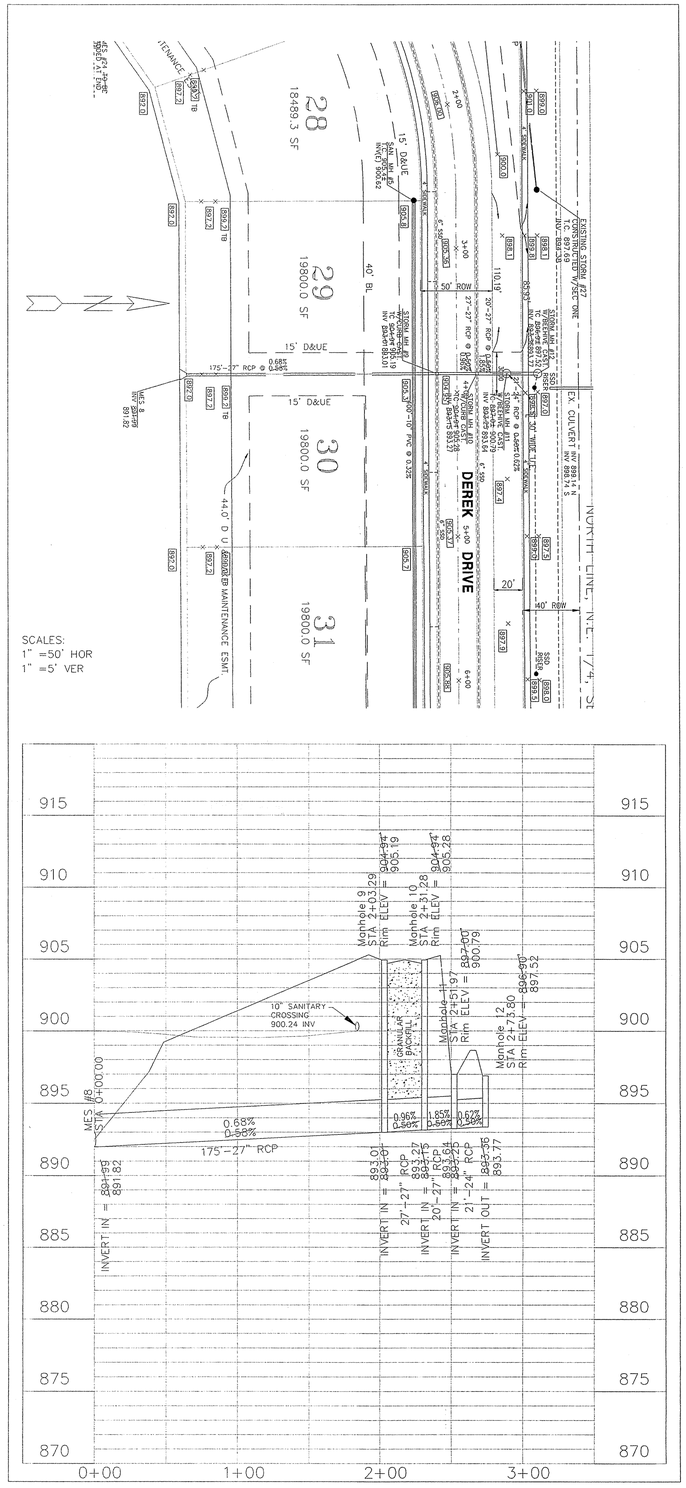

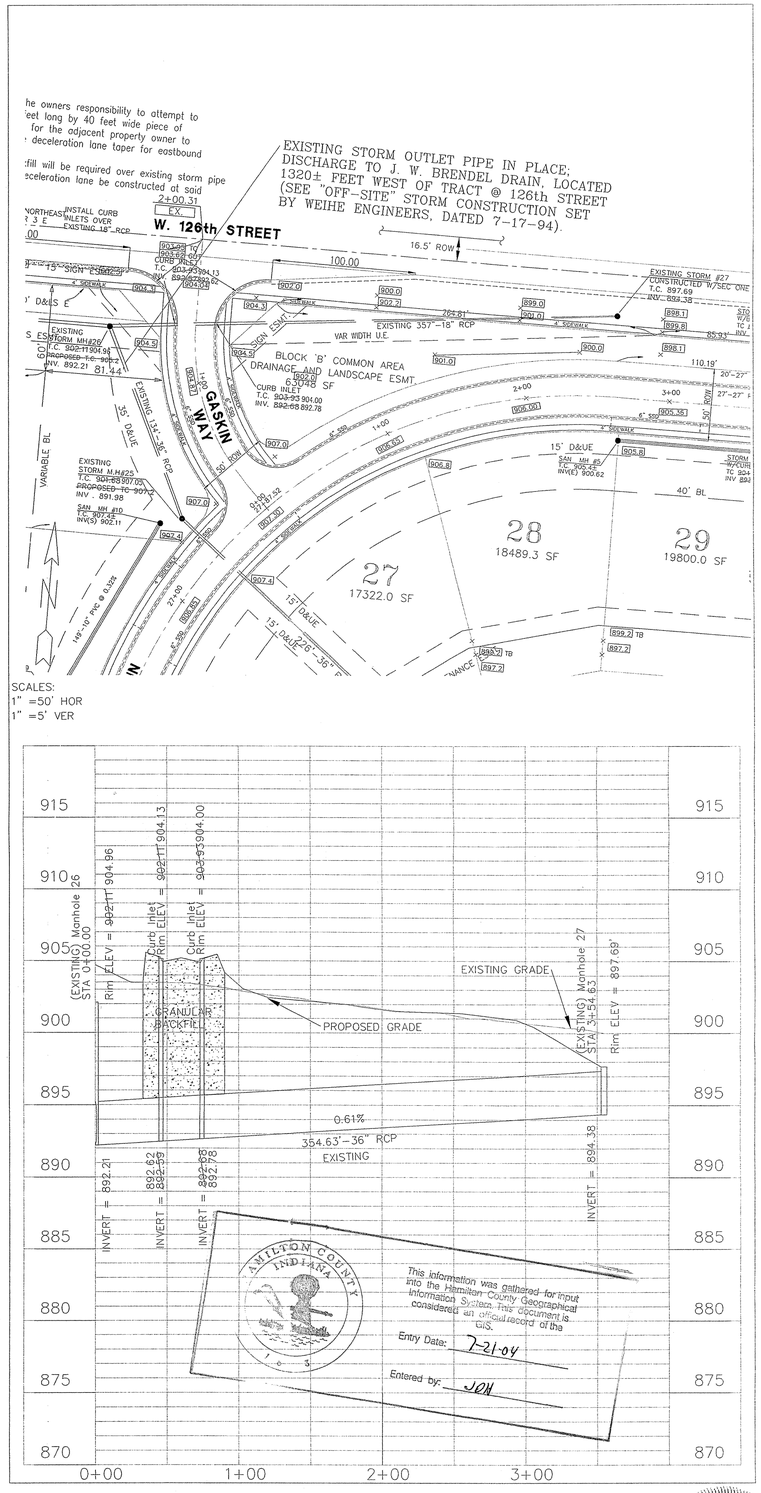

HAMILTON COUNTY INDIANA
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Entry Date: 7-21-04
Entered by: JDH

RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY

ALLAN H. WEIHE-REG P.E.-IN #8827

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ALLAN H. WEIHE, P.E., L.S.
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(317) 846-6611 (800) 483-6408
FAX: (317) 843-0546
CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS LANDSCAPE ARCHITECTS

JOB NO.	91-460
DOT DWG.	460-3ST2.DWG
DRAWN BY	SAS
CHECKED BY	
P.E.	PG
CREW	
DATE	

DATE:	BY
11/05/98	AD
11/13/98	D.B.
6/20/03	TJS

REVISIONS
Revised Ex. Storm M.H. Numbers
Change Invert & Grade Inlet #6
Storm Asbuilts

PREPARED FOR:
DONALD K. SMITH
LAUREL LAKES SECTION 3

STORM SEWER PLAN & PROFILE

PT. E/2 OF NE/4 SEC 32, TOWNSHIP 18 NORTH, RANGE 3 EAST IN CLAY TWP, HAMILTON CO., INDIANA

SHEET NO. 8 OF 21

File name: H:\91\910460\91460-3\ASBUILTS\460-3ST2
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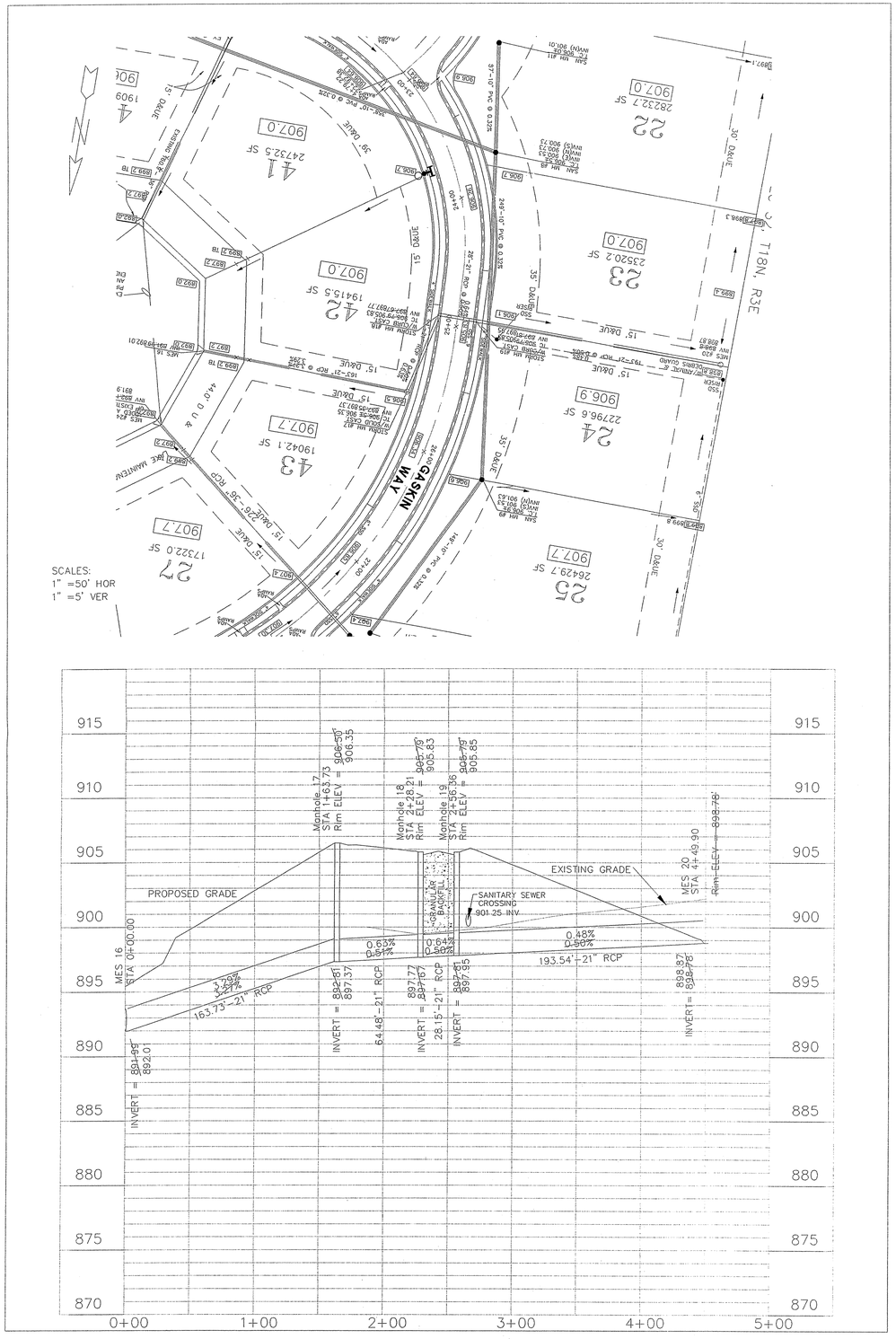

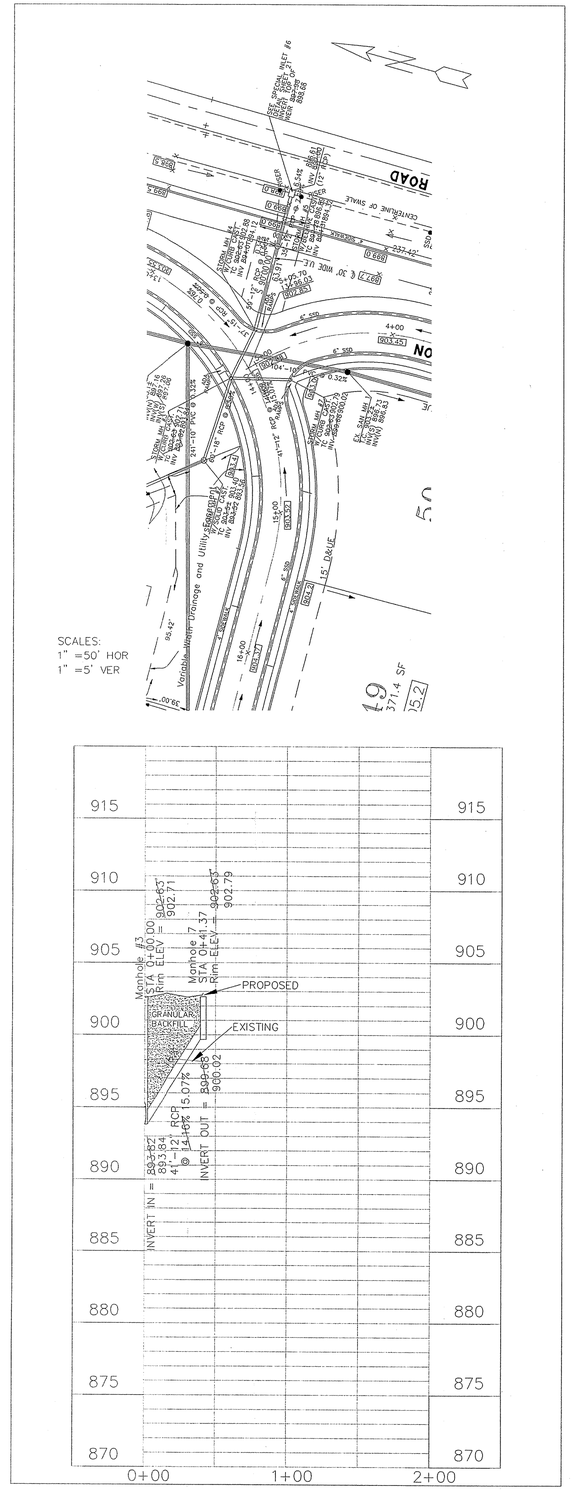

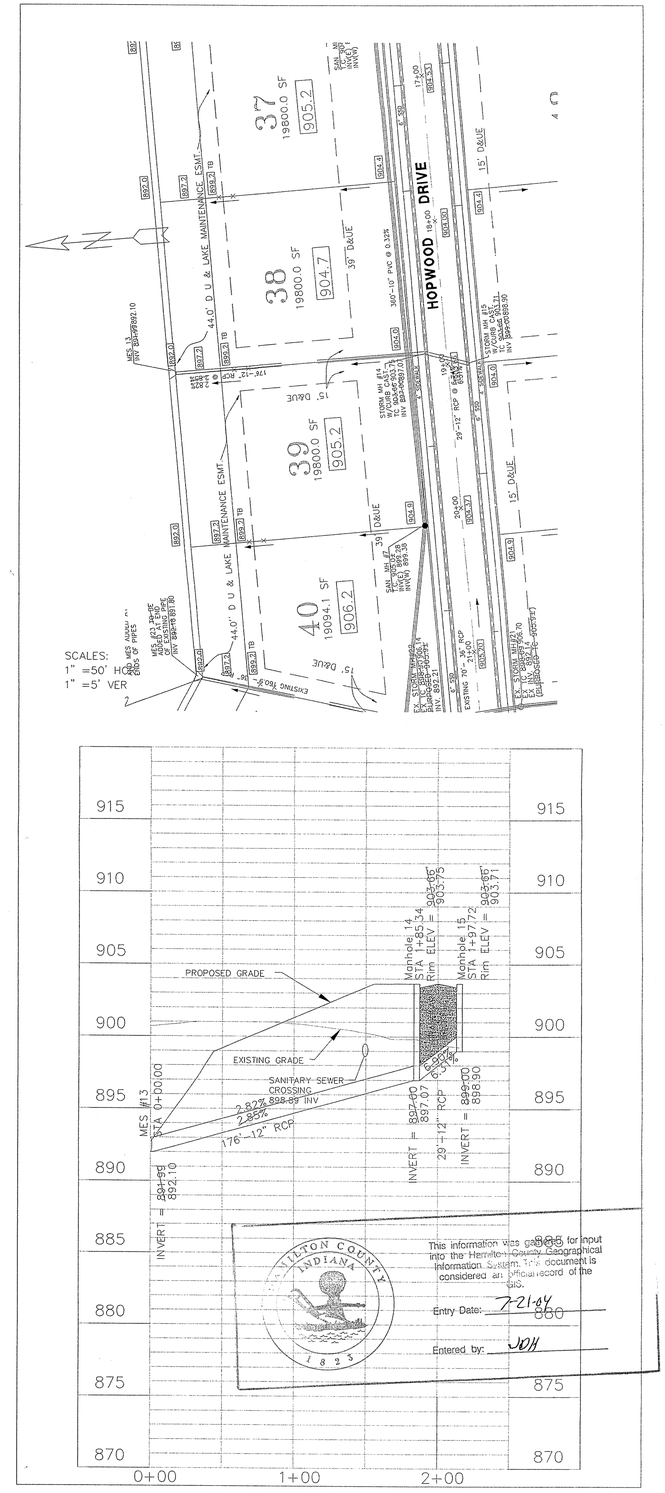

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Entry Date: 7-21-04

Entered by: JDH

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STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY

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ALLAN H. WEIHE, P.E., L.S.
PRESIDENT
CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS LANDSCAPE ARCHITECTS

DATE	BY	JOB NO.
6/20/03	TCS	03-160

JOB DIRGP
460-3513.dwg
DRAWN BY: TCS
CHECKED BY:
F.B. PG CREW
DATE

REVISIONS
Storm Asbuilts

PREPARED FOR:
DONALD K. SMITH
LAUREL LAKES SECTION 3

STORM SEWER PLAN & PROFILE
PT. E/2 OF NE/4 SEC 32, TOWNSHIP 18 NORTH, RANGE 3 EAST IN CLAY TWP, HAMILTON CO., INDIANA

SHEET NO. 9 OF 21

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