

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

January 6, 2006

TO: Hamilton County Drainage Board

RE: Fox Hollow at Geist Section 5 Arm, Springs of Cambridge/Bee Camp Creek Drain

Attached is a petition filed by Precedent Residential Development Co. along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Springs of Cambridge/Bee Camp Creek Drain, Section 5 Fox Hollow at Geist Arm to be located in Fall Creek Township. I have reviewed the submittals and petition and have found each to be in proper form. Plans were designed by Stoeppelwerth and Associates, Job Number 38010S5.

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	3,322 ft.	18" RCP	98 ft.
12" RCP	237 ft.	42" RCP	675 ft.
15" RCP	122 ft.	Open (Lake #3 and CA 4)	562 ft

The total length of the drain will be 5,016 feet.

The retention pond (Lake 3) located in Common Area 5 and the dry detention basin in Common Area 4 is to be considered part of the regulated drain. Pond maintenance shall include 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 lake was designed will be retained, thereby, allowing no fill or easement encroachments. The dry detention basin in CA 4 is a continuation of the dry detention basin located in Section 3, CA 3 which is regulated.

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 and right of way, are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The portion of the SSD which will be regulated other than those under curbs are as follows: Rear of Lots of 132, 133, 134, 155, 156, 158, 159, 91, 138, 137, 136 and 135.

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 and platted lots, \$10.00 per acre for roadways, with a \$50.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$1,309.30.

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

Date: September 1, 2005

Number: 5018001

For: Storm Sewers & SSD

Amount: \$118,973.44

Agent: Bond Safeguard Insurance Company

Date: September 1, 2005

Number: 5018002 For: Erosion Control Amount: \$18,129.00 Agent: Bond Safeguard Insurance Company

Date; September 1, 2005 Number: 5018003

For: Monuments and Markers

Amount: \$600.00

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 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 Fox Hollow at Geist Section 5 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for September 25, 2006.

Kenton C. Ward

Hamilton County Surveyor

KCW/pll

Petition	n.		
	In the matter of Fox Hollow at Geist	Subdivision, Section 5	Drain
TO:	HAMILTON COUNTY DRAINAGE BOAH % Hamilton County Surveyor, Courthouse, N		
COUN	TY OF HAMILTON)		
STAT	E OF INDIANA		

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Fox Hollow at Geist 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 believers 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 for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineers 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 Petitioner cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain.

Printed Name Loughas 3. Was no
Signed D
Douglas B. Wagner
Printed Name
FOR RECORDED OWNER(S) OF LAND INVOLVED
DATE December 23, 2004



CONSULTING ENGINEERS • LAND SURVEYORS

David J. Stoeppelwerth, P.E., P.L.S. President, C.E.O.

Curtis C. Huff, P.L.S. Vice-President, C.O.O.

R.M. Stoeppelwerth, P.E., P.L.S.

April 27, 2005

Hamilton County Surveyor's Office One Hamilton County Square Suite 188 Noblesville, Indiana 46060

Attention: Steve Cash

Re:

Engineer's Estimate

Fox Hollow at Geist, Section 5

Dear Mr. Cash:

On behalf of the developer, Precedent Residential Development, I wish to submit the following Engineer's Estimate for Fox Hollow at Geist, Section 5.

Description

Total

Storm Sewers including Subsurface Drains

\$118,973.44

Erosion Control

\$18,129.00

Monuments and Markers

\$600.00

If you have any questions regarding this estimate, please contact Edward E. Fleming at (317) 849-5935, ext. 22.

Very truly yours,

STOEPPELWERTH & ASSOCIATES, INC.

David J. Stoeppelwerth, P.E., P.L.S.

Cc: Rob Leonard

EEF/meb

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FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Springs of Cambridge/Bee Camp Creek Drain, Fox Hollow at Geist Section 5 Arm

On this 25th day of September 2006, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the Springs of Cambridge/Bee Camp Creek Drain, Fox Hollow at Geist Section 5 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	DRAINA	GE BOA	ARD
£.		Dingo		
President				=_
_ C U	e lle			
Member			Name,	_
Member		 -		

Attest: Seprette Mashrud



CONSULTING ENGINEERS • LAND SURVEYORS

David J. Stoeppelwerth, P.E., P.L.S. President, C.E.O.

Curtis C. Huff, P.L.S. Vice-President, C.O.O. R.M. Stoeppelwerth, P.E., P.L.S. President Emeritus

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Fox Hollow at Geist, Section Five

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
- 4. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been installed and completed in conformity with all plans and specifications.

Signature:	Date: <u>July 28, 2006</u>
Business Address: Stoeppelwerth & Associates, In	C.
9940 Allisonville Road, Fishers	s. Indiana 46038
Telephone Number: (317) 849-5935	_
SEAL	INDIANA REGISTRATION NUMBER
NO. STATE OF ADJANA OF THE PROPERTY OF SURVE THE PROPERTY OF T	900017

BEF/mcb

S\38010S5\Blue Book\Applications - Notice\CertificateOfCompletion&Compliance07-28-06.doc

#262 Springs / Bu Comp

DRAIN: HIGHLIND SPEINS DENIN

IMPROVEMENT-ARM: FOX HOLLOW 5 ARM

HEARING DATE: 9-25- 2006

DRAIN BOOK & PAGE: BE9 pg.447-449

FINAL REPORT CHECKLIST

RELEASE BONDS

NON-ENFORCEMENT

ENG CERT OF CC

FIGURE PIPE LENGTHS

WRITE FINAL REPORT

7-31-06

ASBUILTS

9-7-07

ENTER INTO GIS

8-16-07

ENTER INTO POSSE

ENTER INTO GASB 34 SPREADSHEET

SCAN SURVEYOR'S REPORTS

EMAIL WORD FILES TO LYNNETTE

COPIES OF REPORTS TO LYNNETTE

GOGIZING EACLE IN

Perched Owl







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

September 27, 2007

Re: Springs of Cambrige/Bee Camp Creek: Fox Hollow at Gest Sec. 5

Attached are as-builts, certificate of completion & compliance, and other information for Fox Hollow at Geist Section 5. 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 6, 2006. The report was approved by the Board at the hearing held September 25, 2006. (See Drainage Board Minutes Book 9, Pages 447-449) The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn_Invert	Grade:	Changes(ft):
203-202	46	12	RCP	834.25	833.1	2.5	-4
202-201	121	15	RCP	833.1	832.54	0.46	-1
201-200	42	18	RCP	832.54	832.2	0.81	
200-199	124	18	RCP	832.2	831.26	0.68	1
199-193	20	48	RCP	831.26	831.02	1.2	
191-191A	49	42	RCP	831.76	831.71	0.1	-2
191A-192A	28	42	RCP	831.71	831.57	0.5	
192A-192	109	42	RCP	831.57	831.48	0.08	3
192-192B	149	42	RCP	831.48	831.43	0.03	-2
192B-193A	28	42	RCP	831.43	831.37	0.21	
193A-199	180	42	RCP	831.37	831.26	0.06	
198-197A	85	12	RCP	834.43	833,54	1.05	-27
197A-197	52	12	RCP	833,54	832.93	1.17	-1
208-207	22	12	RCP	834.85	834.82	0.14	
206-205	38	42	RCP	835.35	835.13	0.58	-2
205-207	71	42	RCP	835.13	834.59	0.76	3
207-204	46	42	RCP	834.59	833.4	2.59	-4

6" SSD

Streets:	
Soaring Eagle	
Ln	534
Perched Owl	407
Falcon	400.5
x2	

 Other Pipe Totals:

 ssd in lots
 613

 open
 418

 Total:
 1031

RCP Pipe Tot	als:
12	205
15	121
18	166
42	698

Total:	1210

The length of the drain due to the changes described above is now 4924 feet.

The non-enforcement was approved by the Board at its meeting on September 25, 2006 and recorded under instrument #200600057597.

The following sureties were guaranteed by Bond Safeguard Insurance Company and released by the Board on its October 9, 2006 meeting.

Bond-LC No: 5018001 Insured For: Storm Sewers Amount: \$118,973.44

Issue Date: September 1, 2005

Bond-LC No: 5018002

Insured For: Erosion Control

Amount: \$118,973.44

Issue Date: September 1, 2005

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

Sincerely,

Kenton C. Ward, CFM Hamilton County Surveyor

KCW/slm

CONTRACTOR SHALL STAMP THE LETTER "SS" IN T CURB PERPINDICULAR TO THE LATERAL MARKER.

TO CONVERT BENCHMARKS TO NAVD 1988 DATUM, SUBTRACT 0.44 FT.

NOTE: DECORATIVE SIGNS, SPRINKLER SYSTEMS, TREES, LANDSCAPING MOUNDS, LIGHT POLES, OR OTHER SUCH AMENITIES ARE NOT PERMITTED IN THE RIGHT OF WAY.

DEVELOPER HAS THE OPTION NOT TO BUILD BUILDING PADS ON LOTS NORTH OF THE EXISTING DITCH AS LONG AS POSITIVE DRAINAGE IS ESTABLISHED FROM BUILDING LINE TO STREET AND IN REAR YARD.

IOTE: ALL OFF-SITE DRAIN TILES SHALL BE TIED NTO THE PROPOSED STORM SYSTEM OF THIS SECTION WHERE APPLICABLE.

NOTE: THE EXISTING PAVEMENT AND CURB MUST BE SAW CUT TO PROVIDE A SMOOTH TRANSITION ON ALL STUB STREET CONNECTIONS TO SECTION TWO AND THREE.

NOTE: LOCAL SANITARY SEWER UTILITY HAMILTON SOUTHEASTERN UTILITIES 11901 LAKESIDE DRIVE FISHERS, INDIANA 46038 TELEPHONE: (317) 577-2300

(VERTICAL DATUM NAVD 1988) HSE DISC IN CONCRETE SET AT THE ENTRANCE TO VALLEY'S AT GEIST ON THE SOUTH SIDE OF GEIST RIDGE DRIVE. 20' NE OF THE CENTER OF THE ENTRY WALL AND 3' SW OF THE BACK OF CURB ELEV. = 845.09

(HORIZONTAL DATUM NAD 1983) SW CORNER OF SECTION 8-T17N-R6E BRASS PLUG (2003)

BENCHMARKS:

(NGVD 1929 DATUM) A STANDARD INDIANA FLOOD CONTROL AND WATER RESOURCES COMMISSION BRONZE BENCHMARK TABLET (STAMPED "MAR. 91-1956") LOCATED AT GEIST RESERVOIR, 450 FEET SOUTHEAST FROM THE

NORTHWEST END OF DAM, 18 FEET SOUTHWEST OF SEARCH LIGHT, 14 FEET ABOUT THE CEMENT SPILLWAY, AND 11.5 FEET NORTHEAST OF STEPS.

ELEV. = 798.62

(NGVD 1929 DATUM) Ť.B.M. S&A #1 CUT BOX ON THE EAST END OF THE SOUTHEAST HEADWALL AT THE SOUTHEAST CORNER OF 96TH AND OLIO ROAD.

ELEV. = 841.39

RECORD DRAWING

7/26/06 DATE Registered Land Surveyor No. 900017

This copy is from the Digital Archive of the Hamilton County Surveyor's Office: Noblesville. In



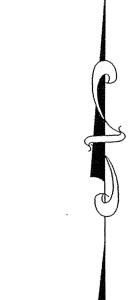


This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an

official record of the GIS.

Entry Date: 8-16-07

Entered By: SUZANNE L.





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REVISE REVISE REVISE REV. PE

AND FAX: (

CONSULTING (317) 849-5935

SCALE: 1"= 60'

LEGEND

____848 ___ _ EXISTING CONTOUR — EXISTING SANITARY SEWER = => = EXISTING STORM SEWER PROPOSED GRADE - PROPOSED SANITARY SEWER --- PROPOSED STORM SEWER

LOT NUMBER PAD ELEVATION PAD SIZE 60'X65' UNLESS LABELED OTHERWISE

PROPOSED 4' SIDEWALK

PROPOSED 6" UNDERDRAINS 4" S.S.D. LATERALS (LOTS 92, 139-142)

(BY HOME BUILDER)

4" S.S.D. LATERALS —

— S.S.D. RISER M.F.F. = MINIMUM FINISH FIRST FLOOR

DENOTES "EMERGENCY FLOOD ROUTING"

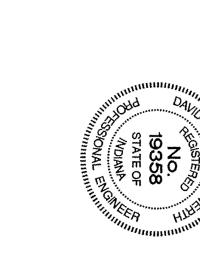


CALL TOLL FREE 1-800-428-5200 FOR CALLS OUTSIDE OF INDIANA

LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE. (including, but not limited to, manholes, inlets, valves, & marks made upon the ground by others.) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISITING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

"AS-BUILT" STORM TABLE

	-	310NM TADE			
Str. No.		Туре	Tc/Rim	Inverts	Direction
191	*	CONCRETE END SECTION		831.76	(SE)
191A		CURB INLET W/MANHOLE	838.04	831.71	(SE)
192		YARD INLET	836.48	831.48	(SE)
192A		CURB INLET W/MANHOLE	837.75	831.57	(SE)
192B		CURB INLET W/MANHOLE	836.83	831.43	(S)
193	*	CONCRETE END SECTION		831.02	(E)
193A		CURB INLET W/MANHOLE	836.87	831.37	(S)
197		CONCRETE END SECTION		832.93	(NE)
197A		YARD INLET	837.71	833.54	(NE)
198		YARD INLET	837.57	834.43	(NE)
199		MANHOLE	836.54	831.26	(S,E,W)
200		CONCRETE CURB INLET W/MH	836.18	832.20	(SE)
201		CURB INLET W/MANHOLE	836.21	832.54	(SE)
202		YARD INLET	836.00	833.10	(SE)
203	*	CONCRETE END SECTION		834.25	(SE)
204	*	CONCRETE END SECTION		833.40	(S)
205		YARD INLETW/ MH	840.24	835.13	(NE,W)
206		YARD INLETW/ MH	840.45	835.35	(SW,E)
207		YARD INLET w/ MH	839.72	834.59	(N, W,E)
208		YARD INLET	837.52	834.85	(E)
		* DENOTES TRASH GUARD	TO BE INSTA	LLED	

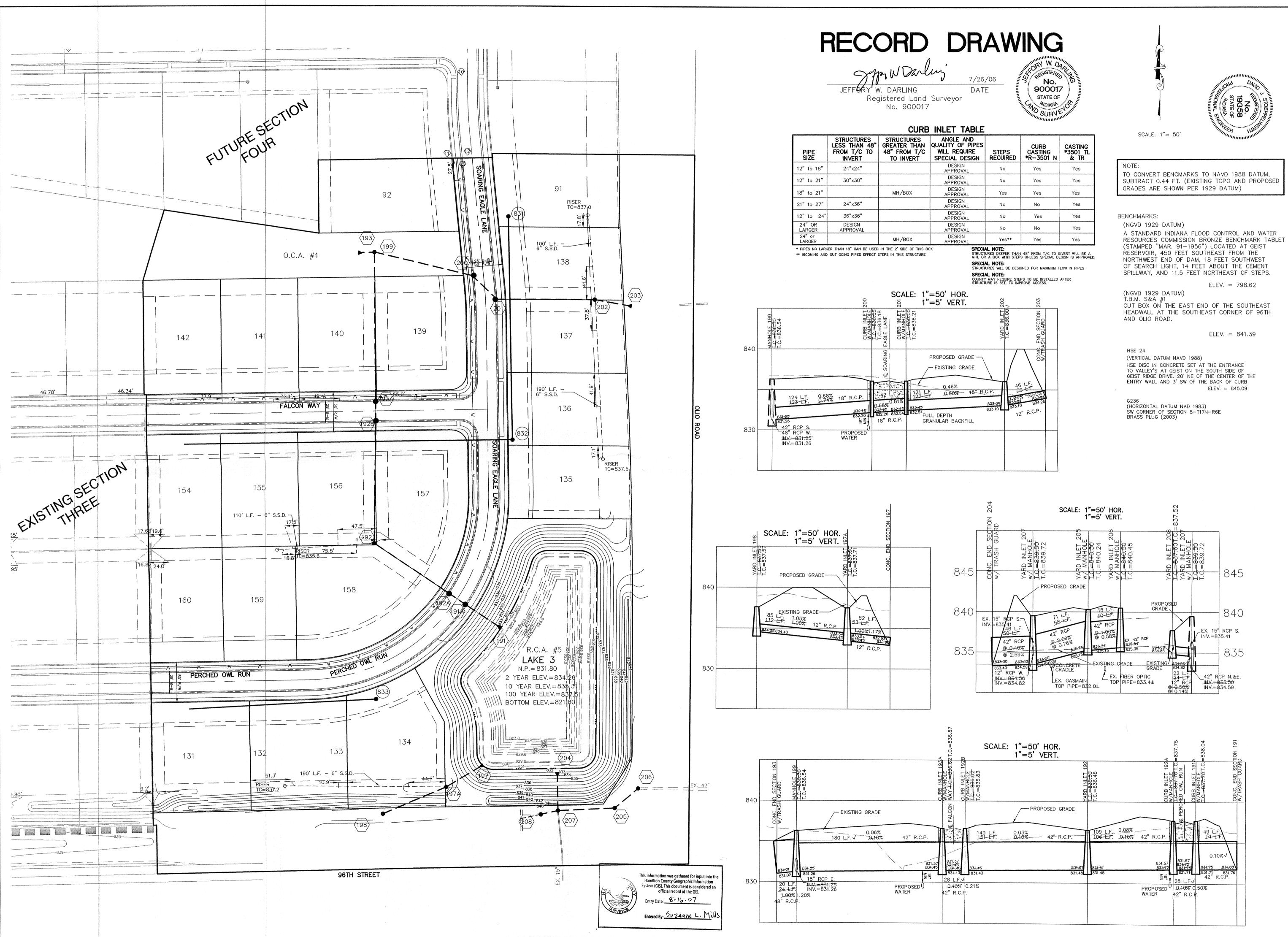


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HOLLOW SECTION SITE

SHEET NO.

JOB NO. 38010S5



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ASBUILTS
REVISE STORM LAYOUT PER DEVELOPER
REV. STORM LAYOUT
REVISE PER SURVEYOR'S COMMENTS
REV. PER TAC COMMENTS

7/24/06 A 9/27/05 R 5/31/05 R 4/19/05 R

DWN. BY
JDH
CK. BY
EEF
SCALE
1"=50"

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CERTIFIED: 12/2.

EERS - LAND SURVEYORS -728-6917 FAX: (317) 849-5942

CONS (317)

M PLAN & PROFILES
HOLLOW AT GEIST
SFCTION FIVE

STORM PLAN FOX HOLLO SECTIC

SHEET NO. C600

JOB NO. 38010S5