

**Drain:** RUSSELL JOHNSON      **Drain #:** 263  
**Improvement/Arm:** LAKE STONEBRIDGE RELOCATION  
**Operator:** J. LIVINGSTON      **Date:** 2-5-04  
**Drain Classification:** Urban/Rural      **Year Installed:** 1994

### GIS Drain Input Checklist

- Pull Source Documents for Scanning *[Signature]*
- Digitize & Attribute Tile Drains \_\_\_\_\_
- Digitize & Attribute Storm Drains \_\_\_\_\_
- Digitize & Attribute SSD \_\_\_\_\_
- Digitize & Attribute Open Ditch \_\_\_\_\_
- Stamp Plans \_\_\_\_\_
- Sum drain lengths & Validate *[Signature]*
- Enter Improvements into Posse *Sum [Signature]*
- Enter Drain Age into Posse *[Signature]*
- Sum drain length for Watershed in Posse *[Signature]*
- Check Database entries for errors *[Signature]*

**Gasb 34 Footages for Historical Cost  
Drain Length Log**

Drain-Improvement: RUSSELL JOHNSON - LAKE STONEBRIDGE RELOCATION

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCF	12"	20'	20'		7. <sup>25</sup> /lf	145. <sup>00</sup>
	24"	101'	101'		18. <sup>00</sup> /lf	1,818. <sup>00</sup>
	42"	392'	392'		52. <sup>65</sup> /lf	20,638. <sup>00</sup>
CMP	24"	65'	65'		50. <sup>00</sup> /lf	3,250. <sup>00</sup>

Sum: 578'      578'      25,851.<sup>00</sup>

Final Report: 578'

Comments:

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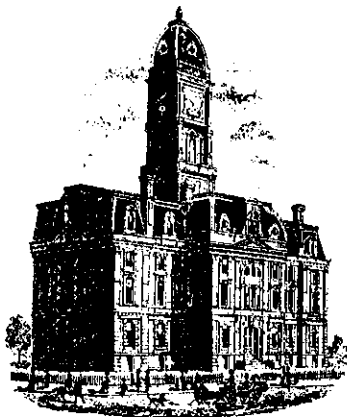
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SURVEYOR'S OFFICE

# Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230

JULY 15, 1993

TO: Hamilton County Drainage Board

RE: Russel Johnson Drain

Attached are plans, drain map, drainage shed map and schedule of assessments for the Russel Johnson Drain reconstruction. This drain is now classified at #26 as a drain in need of reconstruction with the William McKinstry Drain. However, this project will deal with only the Russel Johnson Drain, thus separating it from the William McKinstry Drain.

The Russel Johnson Drain was established in 1947 through a petition to the Hamilton County Circuit Court. The drain, as constructed in 1948 consisted of 5,274 feet of open ditch. This ditch begins at an existing headwall located on Tract 13-11-33-00-00-006.002, 48.367 acres owned by Castlemaine-Kerry, Inc. and ends at STATION 52+74 which is the same as STATION 0+00 of the William McKinstry Drain along the South R/W of 116th Street. (see file for description)

The plans for reconstruction were prepared by Mr. John South, Hamilton County Soil Conservation District Engineer and are incorporated in this report. Plans call for the dredging of portions of the ditch, clearing and removal of obstructions and the replacement of the crossing at 116th Street. The change in the ditch description is that it's outletting into the William McKinstry Drain. The ditch will be cut off from the William McKinstry Drain and will now enter into the gravel pit South of 116th Street. This will add 100 feet of open ditch to the original ditch.

The cost estimate for this work shall be as follows:

<u>ITEM</u>		<u>COST</u>
Construct armored channel	100ft @ \$3.00/ft	\$ 300.00
Graded riprap	180 tons @ \$27.00/ton installed	4860.00
Bedding	60 tons @ \$15.00/ton installed	900.00
Replace culvert at 116th St		
Salvage existing culverts		700.00
71" x 44" CMPA 10ga	80ft @ \$110.00/ft	8800.00
Install CMPA		1000.00
Install concrete headwall	4yds @ \$200.00/yd	800.00
Sand backfill installed	130 tons @ \$15.00/ton	1950.00
Roadbed backfill installed	175 tons @ 15.00/ton	2625.00
Road surface repair		800.00
Clearing per construction notes	4.0ac @ \$35.00/ac	14000.00
Channel reconstruction, 1060 ft @ \$2.50/ft includes spoil spreading		2650.00
Installation of surface water pipes		
Structure #1 (15" x 30' CMP) @ \$750.00/ea		750.00
Structure #2 (12" x 30' CMP @ \$700.00/ea		700.00
Channel dip out, 0+00-2+50 @ \$2.00/ft		500.00
Repair tile outlets		
#1 Install 6" plastic tile 20 ft @ \$2.00ft		40.00
Install 8" CMP with animal guard		200.00
#2 Dipout tile outlet ditch 75 ft @ \$1.00ft		75.00
Install 8" CMP with animal guard		200.00
SEEDING 4 acres @ \$1000.00 @ \$1000.00/ac		4000.00
	SUB-Total	\$45,850.00
	10% Contingencies	4,585.00
	TOTAL	\$50,435.00

The cost for the 24" <sup>RCP</sup> ~~CMP~~ outlet into Mud Creek will be paid for by R.N. Thompson, developer of the Legends of Geist, which the gravel pit is part of. A plan for this is attached along with the Certificate of Approval of Construction in a floodway from the Indiana Department of Natural Resources. (Permit NO. T-14.500) This pipe will add length to the original drain and will consist of 150 feet of twenty (24") inch RCP. Although the flow will run from the original drain into the existing gravel pit into Mud Creek, the existing gravel pit will not be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of this drain. The maintenance of the pit will be the responsibility of others. The Board will reserve the right to ensure proper flow and storage within the pit.

The cost for the replacement of the culvert under 116th Street shall be paid by the Town of Fishers. This is per IC 36-9-27-71. The cost is estimated at \$16,675.00. The schedule of assessments shows not only the per acre assessment for the Town of Fishers, but also the cost of the culvert replacement.

The remaining cost, \$33,760.00, shall be spread over the entire water shed, which consists of 631.07 acres. I have reviewed the plans and drainage shed and believe that each tract within the drainage shed will be benefited equally. I recommend that each tract be assessed at a rate of \$31.76 per acre, with a minimum of \$500.00 per tract. I do not believe any damages will result to properties with the drainage shed along the drains course by the reconstruction of this drain..

I have reviewed the plans and drainage shed and believe the drain will benefit each tract equally for purposes of the maintenance assessment. Therefore, I recommend a maintenance assessment of \$2.00 per acre with a \$10.00 minimum. With, 631.07 acres in the drainage shed, the assessment will be \$1,405.44 annually.

The maintenance work required will be the repair of the new tile, spraying brush, removal of obstructions in the tile and open channel, repair of erosion and any other work necessary, which will keep the drain in proper working order when and as needed.

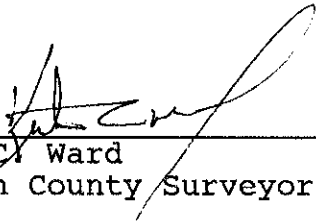
I believe the drain and it's drainage shed meets the requirements for classification as an Urban Drain under IC 36-9-27-67. This is due to the rapid urban growth in this area from the Town of Fishers. Therefore, I recommend such classification.

Because the outlet for this drain is Mud Creek, which is a regulated drain known as Nancy Kimberlain, the owners of tracts

within the drainage shed for the Russel Johnson Drain is also within the drainage shed for Mud Creek. Therefore, owners of tracts within this shed will also be assessed for the future reconstruction and maintenance of Mud Creek.

I recommend the Board set a hearing for this proposed reconstruction at the meeting for September 1993. 9:05

Also to be included in this project is the establishment of a Filter Strip as defined in IC 6-1.1-6.7 on tract 11-33-00-00-017.000 owned by Van Riper Guernsey, Jr. The Filter Strip shall be established on both banks across this property and shall be 25 feet from the top of bank on both banks.



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Kenton C. Ward  
Hamilton County Surveyor



SURVEYOR'S OFFICE

# Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230

October 22, 1993

TO: Hamilton County Drainage Board

RE: Russel Johnson Drain-Revised report

This report is a result of objections and comments made by the landowner and instruction from the Board at the September 27, 1993 hearing for the Russel Johnson Drain. This report is a revision of my report dated July 15, 1993.

Per the Board's request, I have discussed the proposal with Evergreen Development and have received a commitment for Mr. Art Kaser to construct the new open channel between 116th Street and the gravel pit.

The channel cleanout between STA 0+00 and 2+50 shall be done at a later time, possibly by a developer of the property or an upstream property. The same holds true for the remaining clearing operations upstream of Hoosier Road. Tile outlet repair shall be done by the maintenance contractor.

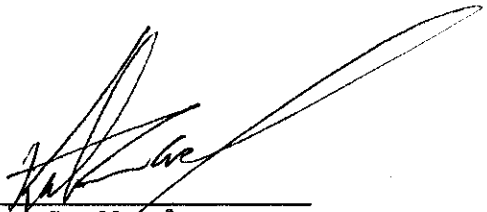
The revised cost estimate is as follows:

ITEM	COST
Replace culvert at 116th Street	
Salvage existing culverts	\$ 700.00
71"x44" CMPA 10ga 80ft @ 110.00/ft	8800.00
Install CMPA	1000.00
Install concrete headwall 4 yds @ \$200.00/yd	800.00
Sand backfill installed 130 tons @ 15.00/ton	1950.00
Roadbed backfill installed 175 tons @ \$15.00/ton	2625.00
Road surface repair	800.00
	\$16675.00

Clearing per construction notes 2.0ac @ 3500.00	7000.00
Channel reconstruction 1060 ft @ \$2.50/ft	2650.00
includes spoil spreading	
Installation of surface water pipes	
Structure #1 (15"x30" CMP) @ \$750.00/ea	750.00
Structure #2 (12"x30" CMP) @ \$700.00/ea	700.00
Seeding 2 acres @ \$1000.00/ac	2000.00
	SUB TOTAL \$29775.00
	10% Cont. 2978.00
	TOTAL \$32753.00

After subtracting the cost of the 116th Street crossing the remaining cost, \$16,078.00 shall be spread over the entire water shed, which consists of 631.07 acres. I have reviewed the plans and drainage shed and believe that each tract within the drainage shed will be benefited equally. I recommend that each tract be assessed at a rate of \$17.73 per acre, with the minimum of \$200.00 per tract. I do not believe any damages will result to properties with the drainage shed along the drains course by the reconstruction of this drain.

The remainder of my July 1993 report remains unchanged.

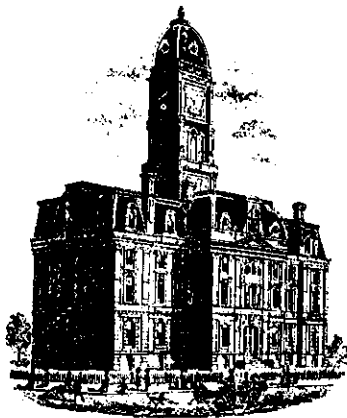



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Kenton C. Ward  
Hamilton County Surveyor

KCW/no





SURVEYOR'S OFFICE

# Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230

December 21, 1993

To: Hamilton County Drainage Board

Re: Russell Johnson Drain - Revised Report #2

This report is a result of the comments heard and the wishes expressed by the Board at its November 1993 meeting. This report is a revision of my previous reports dated July 15, 1993 and October 22, 1993.

Upon meeting onsite with Mr. Art Kaser, who is a representative for R.N. Thompson, the status of Evergreen Development is un-changed as to their commitment. Their company will do the work south of 116th Street as per the October 22nd report. They are unwilling to work north of 116th Street.

One change from the conversation is the addition of a portion of storm pipe which is planned for Peppermill Pond Section 1. This pipe will pick up the drainage under 116th carried by the 24" CMP which was installed by the County Highway last Summer. This will change the direction of flow from the contribution area for this pipe from the William McKinstry Drain to the gravel pit and thus the Russell Johnson Drain. The pipe lengths involved which should be considered part of the Russell Johnson Drain is the storm sewer from the gravel pit to and including the 24" CMP under 116th Street. The lengths involved are as follows:

24" CMP	65 ft
12" RCP	20 ft
42" RCP	<u>392 ft</u>
Total	477 ft

This will also change the drainage shed for the Johnson Drain. The following additions should be made in the drainage shed:

Town of Fishers	99-99-99-99-99-999.007	Add <sup>3.15</sup> 1.3 ac for additional length of 116th
VanRiper, Guernsey Jr.	13-11-33-00-00-017.000	Increase from 30.619 to 61.619 acres
<del>Deal, Stan R. &amp; Kim L.</del> <del>St. Clair, James E.</del>	13-11-33-00-00-017.003	Add 2.00 ac
Watts, Stanton Stuart	13-11-33-00-00-023.000	Add 1.00 ac
VanRiper, Guernsey Jr.	13-11-33-00-00-022.000	Add 2.00 ac

This copy is from the Digital Archive of the Hamilton County Surveyor's Office; Noblesville, In 46060  
 VanRiper, Guernsey Jr. 13-11-33-00-00-016.000 Increase from 17.63 ac to 22.63 ac

The amount of work north of 116th Street will be reduced so as to only provide a transition between the new crossing on 116th Street to match the existing open ditch flow line north of 116th Street. The cost estimate for this work is as follows:


Clearing	0.50 Acres @ \$3500/ac	\$1,750.00
Dredging	200' @ \$2.50/ft	500.00
Seeding	1.00 Acre @ \$1000/ac	<u>1,000.00</u>
		3,250.00
	10% Contingency	<u>325.00</u>
		\$3,575.00

The remainder of the work on the ditch section from 116th Street to Hoosier Road will be done by the developer per the plans and specifications set out in the report dated July 15, 1993.

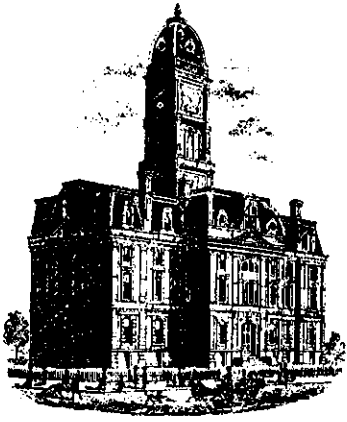
The new crossing under 116th Street will remain the same except the existing pipe will remain as an overflow. No change in price should be made and as in the previous reports this cost will be paid by the Town of Fishers.

The reconstruction cost will be \$5.70 per acre. I recommend a \$25.00 minimum.

The remainder of my previous reports remain unchanged. I recommend a hearing for the tracts being added or increased be held in February 1994.

  
\_\_\_\_\_  
Kenton C. Ward,  
Hamilton County Surveyor

KCW/jh



SURVEYOR'S OFFICE  
**Hamilton County**

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230

February 25, 1994


TO: Hamilton County Drainage Board

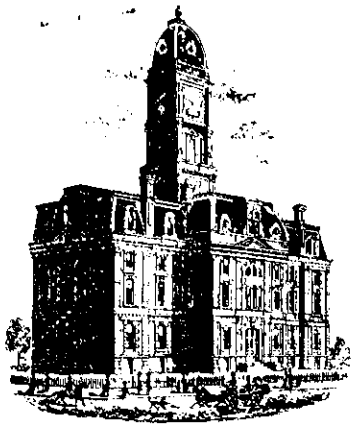
RE: Russel Johnson Drain--REVISED REPORT #3

This is a revision to previous reports. I have now received written agreement from R.N. Thompson and the Town of Fishers. Mr. Thompson agrees to do the work between 116th Street and the lake and to install the pipes under 116th Street. The Town of Fishers agrees to the size of the structure under 116th Street.

If funds are available, Fishers would like to have the South end of the pipe extended. The possibility of this will not be known until a bid for pipe is received. If funds are available, this can be done.

I recommend the Board approve this project and set a bid date. All others items as set out in Revised Report #2, dated December 21, 1993, still apply.

  
Kenton C. Ward  
Hamilton County Surveyor



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

October 4, 2000

Re: Russell Johnson Relocation

Attached are as-builts, certificate of completion & compliance, and other information for the relocation of the Russell Johnson 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 that will alter the plans submitted with my report for this drain-dated February 25, 1994. The changes are as follows:

**Structure:            T.C.:    I.E.:    Pipe:    Length: Original Plans: Difference:**

21	788.62	787.43				
22	791.65	786.82	12	20		
22	791.65	786.82				
23	795.18	786.56	42	58		
23	795.18	786.56				
24	795.16	786.56	42	26		
24	795.16	786.56				
25	795.39	786.47	42	115		
25	795.39	786.47				
26	796.25	785.72	42	28		
26	796.25	785.72				
27		780.48	42	165		
28		784.76				
29		784.22	24	101	150'	-99

**RCP Pipe Totals:**

12	20
42	392
24	101

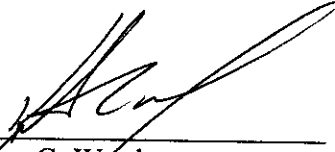
<b>Other Drain:</b>	
24" CMP	65

The length of the relocated drain, due to the changes described above is now **578 feet**.

The cost of the relocation was paid for the developer, RN Thompson.

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

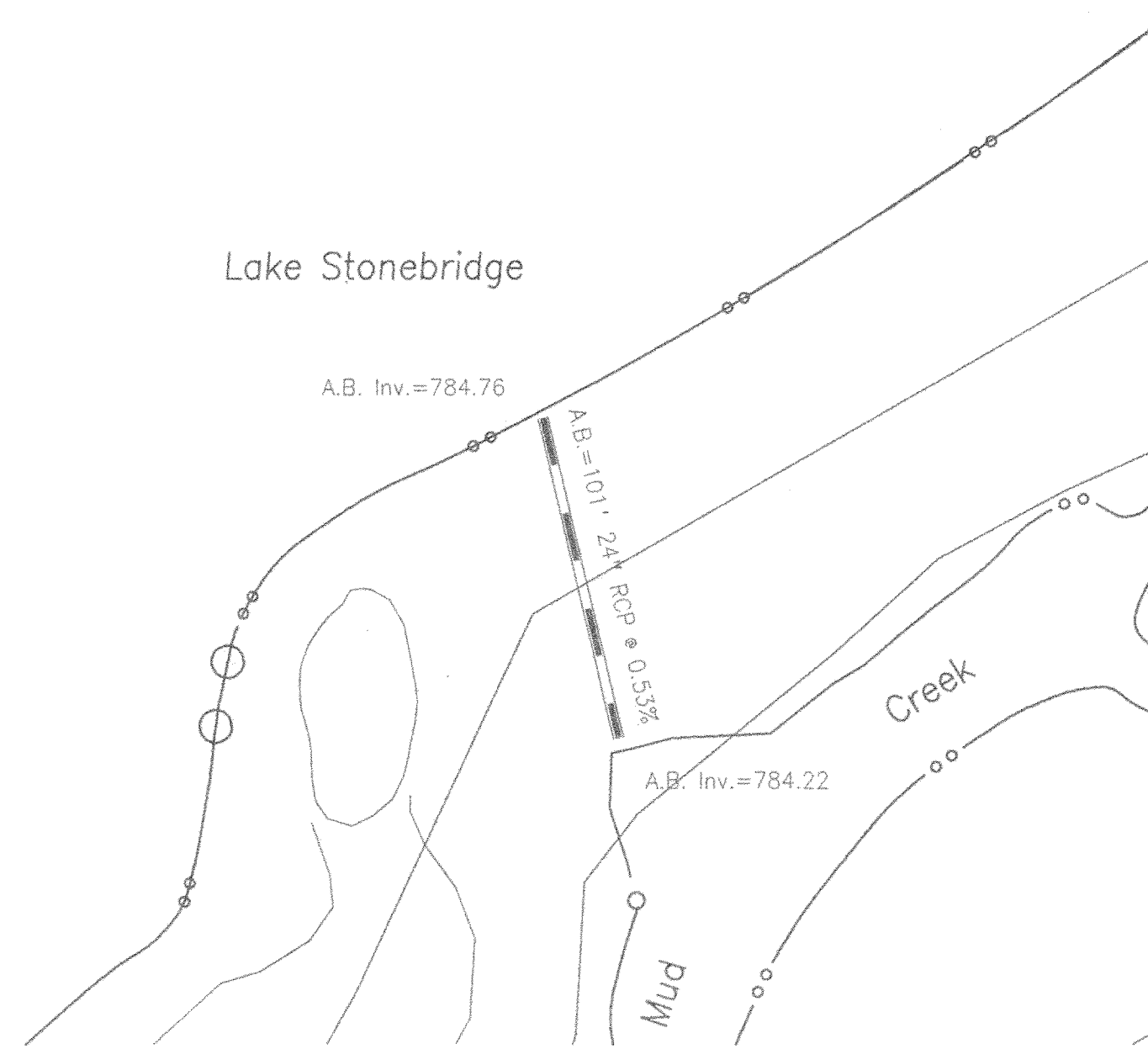
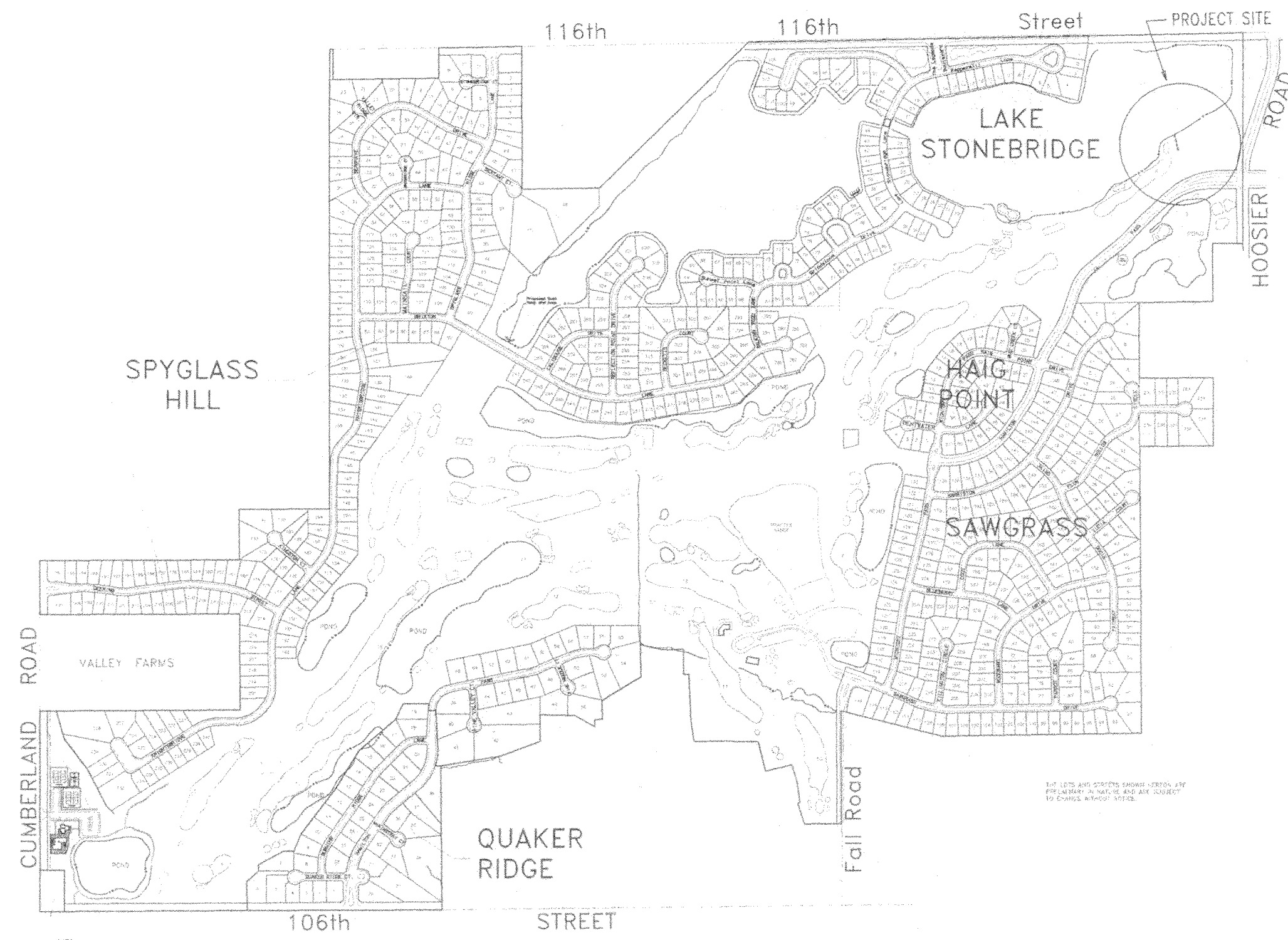
Sincerely,




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Kenton C. Ward,  
Hamilton County Surveyor

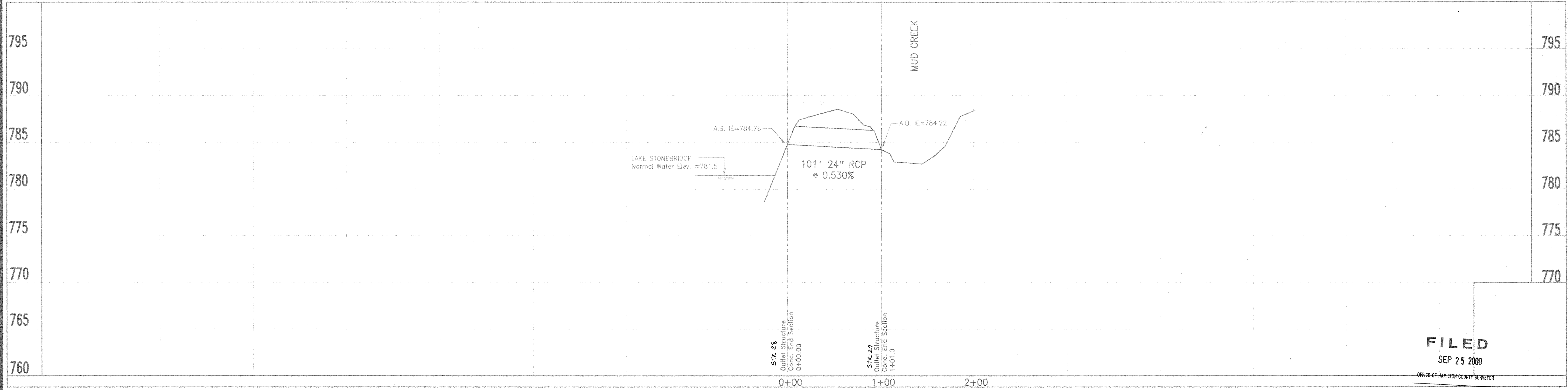
KCW/slm




 This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.  
 Entry Date: 10/5/00  
 Entered by: slm

**"RECORD DRAWING" CERTIFICATION**  
 CERTIFIED BY: Arthur L. Kaser  
 Arthur L. Kaser, P.L.S.  
 Evergreen Planners, L.L.C.  
 234 South Franklin Road  
 Indianapolis, Indiana 46219  
 9-22-00  


I, the above signed, certify that the record drawing information presented on this sheet was performed under my direct supervision. I further certify that to the best of my knowledge and belief that the improvements have been installed in reasonable compliance with the original design plans with respect to horizontal locations and grades and any deviations of locations, grade or material used are shown in these "RECORD CONSTRUCTION DRAWINGS" (plans) as of the date of this certification.



**FILED**  
 SEP 25 2000  
 OFFICE OF HAMILTON COUNTY SURVEYOR

Construction As-Built

DATES AND REVISIONS _____ _____ _____		TITLE <b>Lake Stonebridge Storm Outlet</b> <b>The Legends At Geist</b>		DATE September, 2000	
DESIGN BY ALK		DRAWN BY ALK		JOB NO. 89-23	
CHECKED _____		APPROVED _____		SCALE Horiz. 1" = 50' Vert. 1" = 5'	
OFFICE OF HAMILTON COUNTY SURVEYOR 234 SOUTH FRANKLIN RD., INDIANAPOLIS, INDIANA 46219 317/353-6161				SHEET NO. 1 of 1	