



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

October 17, 2007

TO: Hamilton County Drainage Board

RE: Stultz & Almond Drain, Lakeside Park Section 6 Arm

Attached is a petition filed by Roehling Enterprises, Inc. along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Lakeside Park Section 6 Arm, Stultz & Almond Drain to be located in Clay Township. I have reviewed the submittals and petition and have found each to be in proper form.

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

6" SSD	1,195 ft.	18" RCP	200 ft.
12" RCP	289 ft.	21" RCP	60 ft.
15" RCP	230 ft.		

The total length of the drain will be 1,974 feet.

The retention pond (Lake #1) located in Common Area #31 is to be considered part of the regulated drain. Pond maintenance shall include the inlet, outlet, sediment removal and erosion control along the banks and bio-swales as part of the regulated drain. The maintenance of the pond (Lake #1) such as mowing and aquatic vegetation control will be the responsibility of the Homeowners Association. The Board will also retain jurisdiction for ensuring the storage volume for which the pond (Lake #1) 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 yard..

Only the main SSD lines, which are located within the right of way and easement, 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:

180 feet running in a south-east direction for Structure 249A behind Lots 170 & 171 in CA #29.

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 \$30.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$384.50.

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

Agent: Huntington National Bank

Date: June 18, 2007 Number: OSB.004525 For: Storm Sewers Amount: \$101,784.00

Parcels assessed for this drain may be assessed for the Williams Creek Drain at sometime in the future.

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

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 Lakeside Park Section 6 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 26, 2007.

Kenton C. Ward, CFM Hamilton County Surveyor

KCW/pll

STATE OF INDIANA)	(Revised 06/08/04)
COUNTY OF HAMILTO) N)	
% Hamilton County S	nty Square, Suite 188	
In the matter of6 & 7	Lakeside Park Subdivision Drain Petition.	Subdivision, Section

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Lakeside Park Subdivision, Section 6 & 7, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

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

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

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

The Petitioner also agrees to the following:

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



STOEPPELWERTH & ASSOCIATES, INC.

CONSULTING ENGINEERS • LAND SURVEYORS

David J. Stoeppelwerth President, CEO Professional Engineer Professional Land Surveyor

Curtis C. Huff Vice President, COO Professional Land Surveyor

R.M. Stoeppelwerth Founder Professional Engineer Professional Land Surveyor June 8, 2007

Hamilton County Surveyor One Hamilton County Square Suite 188 Noblesville, Indiana 46060

Attention: Kent Ward

Re: Lakeside Park Subdivision, Section 6

Dear Mr. Ward:

Please accept the following Engineer's Estimate for Lakeside Park Subdivision, Section 6. The amounts are as follows:

Lakeside Park Subdivision, Section 6 Engineer's Estimate

Description ON SITE STORM	Quantity	Unit	Unit Price	Total
Storm Sewer 12" – 0-6Ft	378	LF	\$16.34	\$6,176.50
Storm Sewer 15" – 0-6Ft	375	LF	\$18.86	\$7,072.50
Storm Sewer 18" – 0-6Ft	230	LF	\$22.07	\$5,076.10
Storm Sewer 21" – 0-6Ft	625	LF	\$22.47	\$14,043.75
24 X 24 Box Structure	13	EA	\$1,164.60	\$15,139.80
Rip-Rap	20	TONS	\$45.00	\$900.00
12" End-Section	2	EA	\$683.00	\$1,366.00
21" End-Section	1	EA	\$650.00	\$650.00
6" Swale Drain	1,180	LF	\$8.50	\$10,030.00
6" Curb Drain	2,540	$_{ m LF}$	\$8.50	\$21,590.00
4" Lateral Drain	17	EA	\$45.00	\$765.00
Flush - Video	1	LS	\$2,010.00	\$2,010.00
				\$84,819.65
Description EROSION CONTROL	Quantity	Unit	Unit Price	Total
Permanent Seeding	443,687	SQFT	\$0.10	\$44,368.70
R/W Seeding	71,250	SQFT	\$0.10	\$7,125.00

7965 East 106th Street Fishers, Indiana 46038-2505

317.849.5935 Fax: 317.849.5942 www.Stoeppelwerth.com

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

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Stultz & Almond Drain, Lakeside Park Section 6 Arm

On this **26th** day of **November**, **2007**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Stultz & Almond Drain**, **Lakeside Park Section 6 Arm**.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

HAMILTON COUNTY DRAINAGE BOARD

President

Member

Member

Attest: Sepietle Maskour

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD IN THE MATTER OF THE

Stultz & Almond Drain, Lakeside Park Section 6 Arm

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **November 26**, 2007 has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

Lakeside Park Section 5, 6, 7 GASB 34 Calculation

Stultz & Almond Drain-Lakeside Park Section 5: 909 ft Elliott Creek Drain-Lakeside Park Section 5: 5625

Total Footage = 6534.00 **Bond Amount** = \$160,633.24

Stultz & Almond Drain- Lakeside Park Section 5: (.14 x \$160,633.24) = \$22,488.66 Elliott Creek Drain-Lakeside Park Section 5: (.86 x \$160,633.24) = \$138,144.58

Stultz & Almond Drain-Lakeside Park Section 6: 1974 ft Elliott Creek Drain-Lakeside Park Section 6: 650 ft JW Brendle Drain-Lakeside Park Section 6: 1565 ft

Total Footage = 4189 ft **Bond Amount** = \$141,969.35

Stultz & Almond Drain-Lakeside Park Section 6: (.47 x \$141,969.35) = \$66,725.59 Elliott Creek Drain-Lakeside Park Section 6: (.16 x \$141,969.35) = \$22,715.10 JW Brendle Drain-Lakeside Park Section 6: (.37 x \$141,969.35) = \$52,528.66

Stultz & Almond Drain- Lakeside Park Section 7: 1800 ft JW Brendle Drain-Lakeside Park Section 7: 3612 ft

Total Footage = 5412 ft **Bond Amount** = \$101,677.21

Stultz & Almond Drain- Lakeside Park Section 7: $(.33 \times $101,677.21) = $33,553.48$ JW Brendle Drain-Lakeside Park Section 7: $(.67 \times $101,677.21) = $68,123.73$

Note: Bonds were posted at 120% of the engineers estimate. This dollar amount is based upon the engineer's estimate.

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Lakeside Park Subdivision, Section 6

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:	Date: November 16, 2007		
Type or Print Name:	Dennis D. Olmstead		
Business Address:	Stoeppelwerth & Associates, Inc.		
_	7965 East 106th Street, Fishers, Indiana 46038		
Telephone Number:	(317) 849-5935		
SEAL WING	No. 500012 INDIANA REGISTRATION NUMBER 900012		





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 24, 2008

Re: Stultz & Almond Drain: Lakeside Park 6

Attached are as-builts, certificate of completion & compliance, and other information for Lakeside Park Section 6. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated October 17, 2007. The report was approved by the Board at the hearing held November 26, 2007. (See Drainage Board Minutes Book 10, Pages 504-505) The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes:
248-247	125	12	RCP	909.97	909.52	0.36	
247-246	156	18	RCP	909.52	909.11	0.26	
246-245	44	18	RCP	909.11	909.02	0.2	
245-244	59	21	RCP	909.02	908.85	0.29	-1
249a-247	228	15	RCP	910.17		0.29	-2
259-258	30	12	RCP	909.19	909.07	0.4	
EX110-262	96	12	RCP	908.67	908.49	0.19	-3
261-260	34	12	RCP	909 19	909.08	0.32	1

6" SSD Streets:

Total:	962
X2	
WAY	481
FOUR SEASONS	
FOUR CEACONG	T

RCP Pipe Tot	als:
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285
228
200
59

Total:

772

The length of the drain due to the changes described above is now 1734 feet.

The non-enforcement was approved by the Board at its meeting on November 26, 2007 and recorded under instrument # 2007066455.

The following sureties were guaranteed by Huntington National Bank and released by the Board on its August 13, 2007 meeting.

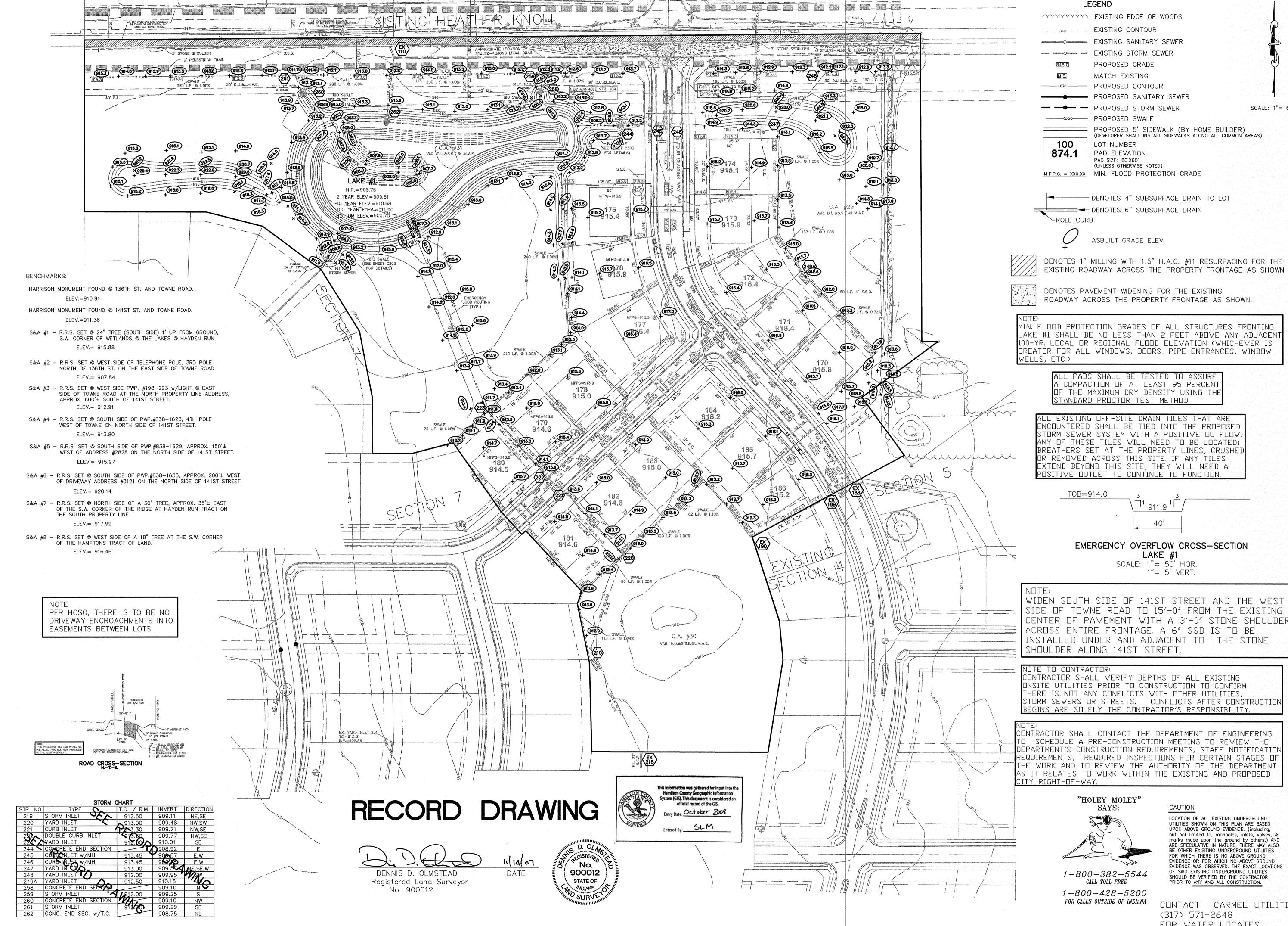
Bond-LC No: OSB.004525 Insured For: Storm Sewers Amount: \$101,784.00 Issue Date: June 18, 2007

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

Sincerely,

Kenton C. Ward, CFM Hamilton County Surveyor

KCW/slm



SCALE: 1"= 60'

No. 19358 STATE OF

ST0EPPEL

N V

DEVELOPMENT

PARK SIX

AKESIDE SECTION

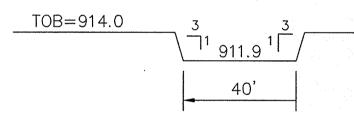
CONSL

DENOTES PAVEMENT WIDENING FOR THE EXISTING ROADWAY ACROSS THE PROPERTY FRONTAGE AS SHOWN.

4IN FLOOD PROTECTION GRADES OF ALL STRUCTURES FRONTING LAKE #1 SHALL BE NO LESS THAN 2 FEET ABOVE ANY ADJACEN' 100-YR, LOCAL OR REGIONAL FLOOD ELEVATION (WHICHEVER IS GREATER FOR ALL WINDOWS, DOORS, PIPE ENTRANCES, WINDOW

> ALL PADS SHALL BE TESTED TO ASSURE A COMPACTION OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY USING THE STANDARD PROCTOR TEST METHOD.

. EXISTING OFF-SITE DRAIN TILES THAT ARE ORM SEWER SYSTEM WITH A POSITIVE OUTFLOW REATHERS SET AT THE PROPERTY LINES, CRUSHE REMOVED ACROSS THIS SITE, IF ANY TILES XTEND BEYOND THIS SITE, THEY WILL NEED A SITIVE DUTLET TO CONTINUE TO FUNCTION



EMERGENCY OVERFLOW CROSS-SECTION LAKE #1

SCALE: 1"= 50' HOR.

WIDEN SOUTH SIDE OF 141ST STREET AND THE WEST SIDE OF TOWNE ROAD TO 15'-0" FROM THE EXISTING CENTER OF PAVEMENT WITH A 3'-0" STONE SHOULDER ACROSS ENTIRE FRONTAGE, A 6" SSD IS TO BE INSTALLED UNDER AND ADJACENT TO THE STONE

CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ONSITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

CONTRACTOR SHALL CONTACT THE DEPARTMENT OF ENGINEERING TO SCHEDULE A PRE-CONSTRUCTION MEETING TO REVIEW THE DEPARTMENT'S CONSTRUCTION REQUIREMENTS, STAFF NOTIFICATION REQUIREMENTS, REQUIRED INSPECTIONS FOR CERTAIN STAGES OF THE WORK AND TO REVIEW THE AUTHORITY OF THE DEPARTMENT AS IT RELATES TO WORK WITHIN THE EXISTING AND PROPOSED

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 UTILIITIES 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.

CONTACT: CARMEL UTILITIES (317) 571-2648 FOR WATER LOCATES

CHECKED BY: EEF JDH SHEET NO.

