

*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: Elliott Creek 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, Elliott Creek 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      650 ft.

The total length of the drain will be 650 feet.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs. Only the main SSD lines, which are located within the right of way, are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated 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 \$10.00 per acre for common areas and platted lots, \$10.00 per acre for roadways, with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$332.80.

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:

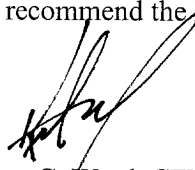
Agent: Huntington National Bank  
Date: June 18, 2007  
Number: OSB.004525  
For: Storm Sewers  
Amount: \$101,784.00

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 the easement for this drain be the right of way of Four Season Way and the drainage easements behind the right of way 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     )  
  )  
COUNTY OF HAMILTON )

TO: HAMILTON COUNTY DRAINAGE BOARD  
% Hamilton County Surveyor  
One Hamilton County Square, Suite 188  
Noblesville, IN. 46060-2230

In the matter of                     Lakeside Park Subdivision                     Subdivision, Section  
                    6 & 7                     Drain Petition.

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.
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 Petitioners cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain as per IC 36-9-27-69(d).

**RECORDED OWNER(S) OF LAND INVOLVED**

*Ray Roehling*  
Signed

Ray Roehling  
Printed Name

September 1, 2006  
Date

Signed

Printed Name

Date

Signed

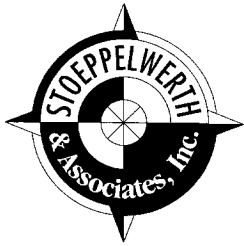
Printed Name

Date

Signed

Printed Name

Date



# STOEPPELWERTH & ASSOCIATES, INC.

CONSULTING ENGINEERS • LAND SURVEYORS

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

June 8, 2007

Curtis C. Huff  
 Vice President, COO  
 Professional Land Surveyor

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

R.M. Stoepfelwerth  
 Founder  
 Professional Engineer  
 Professional Land Surveyor

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	Quantity	Unit	Unit Price	Total
<b>ON SITE STORM</b>				
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	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
				<b>\$84,819.65</b>

Description	Quantity	Unit	Unit Price	Total
<b>EROSION CONTROL</b>				
Permanent Seeding	443,687	SQFT	\$0.10	\$44,368.70
R/W Seeding	71,250	SQFT	\$0.10	\$7,125.00

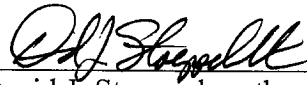
7965 East 106th Street  
 Fishers, Indiana  
 46038-2505

317.849.5935  
 Fax: 317.849.5942  
 www.Stoepfelwerth.com

Hamilton County Surveyor  
Kent Ward  
June 8, 2007  
Page 2 of 2

Silt Fence	3,535	LF	\$1.60	\$5,656.00
Monuments and Markers	5	EA	\$150.00	\$750.00
				<b>\$57,899.70</b>
<b>Total</b>				<b>\$142,719.35</b>

Witness my signature this 8<sup>th</sup> day of June, 2007.



David J. Stoepfelwerth  
Professional Engineer  
No. 19358



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EEF/jag

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

**Elliott Creek Drain, Lakeside Park Section 6 Arm**

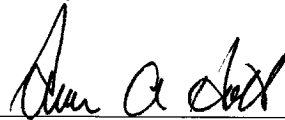
On this **26th day of November, 2007**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Elliott Creek Drain, Lakeside Park Section 6 Arm**.

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.

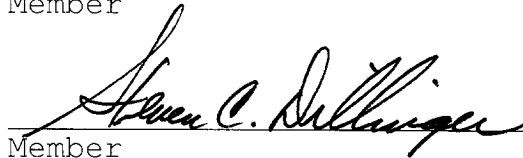
HAMILTON COUNTY DRAINAGE BOARD



\_\_\_\_\_  
President

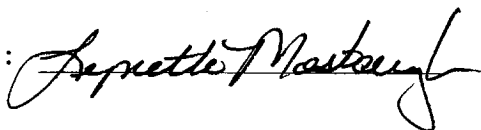


\_\_\_\_\_  
Member



\_\_\_\_\_  
Member

Attest:



BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF

*Elliott Creek Drain, Lakeside Park Section 6 Arm*

NOTICE

To Whom It May Concern and: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Elliott Creek Drain, Lakeside Park Section 6 Arm** on **November 26, 2007** at **9:05 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY



BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF THE

***Elliott Creek 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

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: Stoepelwerth & Associates, Inc.

7965 East 106th Street, Fishers, Indiana 46038

Telephone Number: (317) 849-5935



INDIANA REGISTRATION NUMBER

900012



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**

**September 25, 2008**

**Re: Elliott Creek 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 503-504) The changes are as follows:  
The 6" SSD was shortened from 650 feet to 625 feet.  
The length of the drain due to the changes described above is now **625 feet**.

The non-enforcement was approved by the Board at its meeting on November 26, 2007 and recorded under instrument # 2007066461.

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.

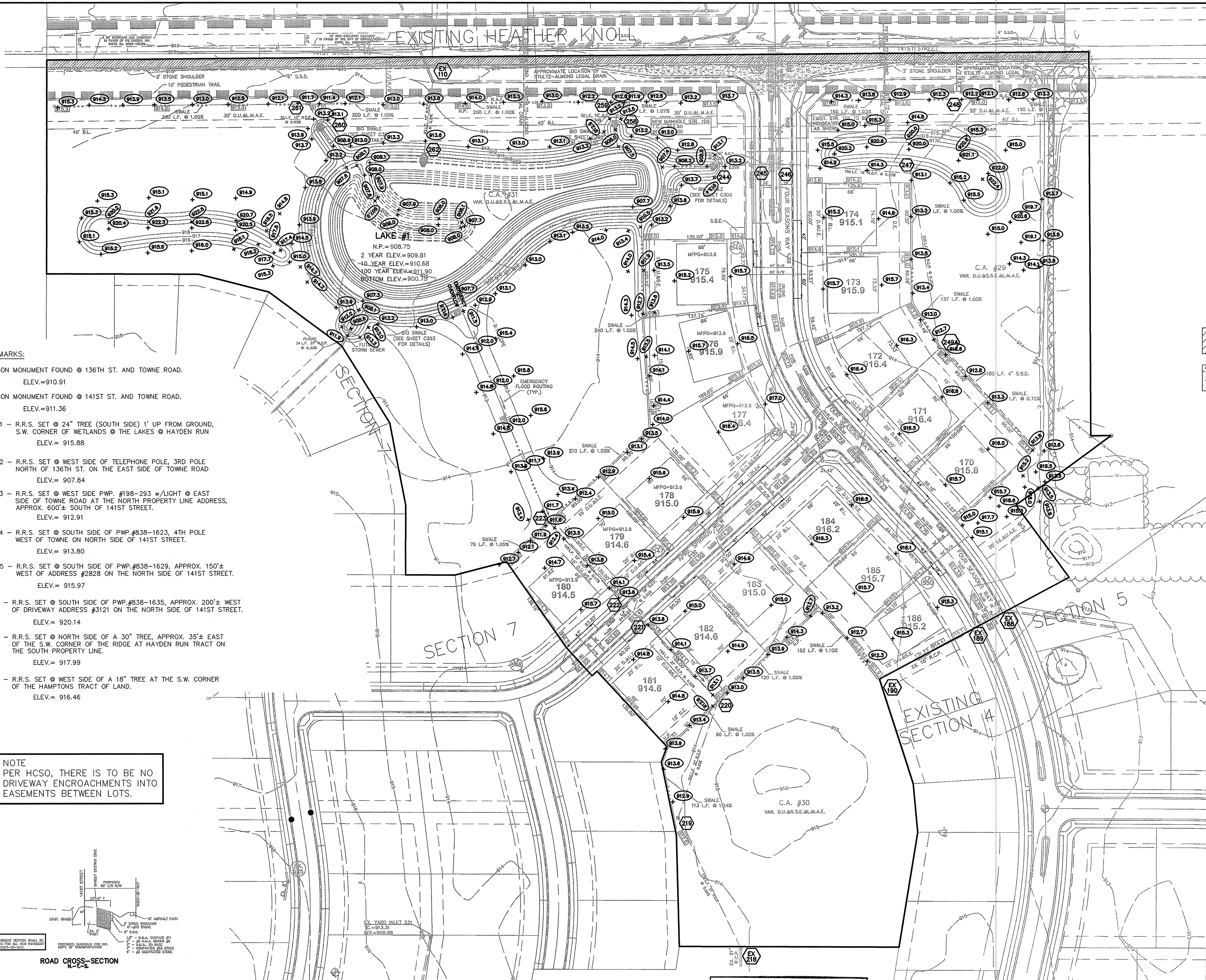
Sincerely,

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Kenton C. Ward, CFM  
Hamilton County Surveyor



S:\176056\dwg\C200-Site Development.dwg, Layout1, 11/14/2007 2:45:08 PM, cmiller, 1:1



**LEGEND**

- EXISTING EDGE OF WOODS
- EXISTING CONTOUR
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED GRADE
- MATCH EXISTING
- PROPOSED CONTOUR
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED SWALE
- PROPOSED 5' SIDEWALK (BY HOME BUILDER)  
(DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)
- LOT NUMBER
- PAD ELEVATION  
PAD SIZE: 60'x60'  
(UNLESS OTHERWISE NOTED)
- MIN. FLOOD PROTECTION GRADE

SCALE: 1" = 60'

- DENOTES 4" SUBSURFACE DRAIN TO LOT
- DENOTES 6" SUBSURFACE DRAIN
- ROLL CURB
- ASBLUT GRADE ELEV.
- DENOTES 1" MILLING WITH 1.5" H.A.C. #11 RESURFACING FOR THE EXISTING ROADWAY ACROSS THE PROPERTY FRONTAGE AS SHOWN
- DENOTES PAVEMENT WIDENING FOR THE EXISTING ROADWAY ACROSS THE PROPERTY FRONTAGE AS SHOWN.

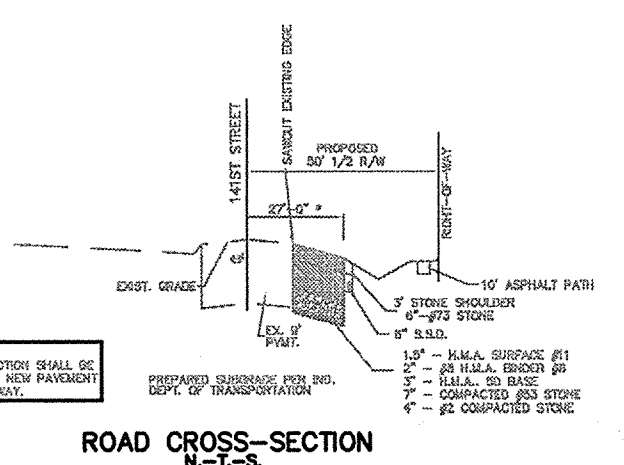
**NOTE:**  
MIN. FLOOD PROTECTION GRADES OF ALL STRUCTURES FRONTING LAKE #1 SHALL BE NO LESS THAN 2 FEET ABOVE ANY ADJACENT 100-YR. LOCAL OR REGIONAL FLOOD ELEVATION (WHICHEVER IS GREATER FOR ALL WINDOWS, DOORS, PIPE ENTRANCES, WINDOW WELLS, ETC.)

**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.**

**ALL EXISTING OFF-SITE DRAIN TILES THAT ARE ENCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW. ANY OF THESE TILES WILL NEED TO BE LOCATED; BREATHERS SET AT THE PROPERTY LINES, CRUSHED OR REMOVED ACROSS THIS SITE. IF ANY TILES EXTEND BEYOND THIS SITE, THEY WILL NEED A POSITIVE OUTLET TO CONTINUE TO FUNCTION.**

- BENCHMARKS:**
- HARRISON MONUMENT FOUND @ 136TH ST. AND TOWNE ROAD.  
ELEV.=910.91
  - HARRISON MONUMENT FOUND @ 141ST ST. AND TOWNE ROAD.  
ELEV.=911.36
  - S&A #1 - R.R.S. SET @ 24" TREE (SOUTH SIDE) 1' UP FROM GROUND, S.W. CORNER OF WETLANDS @ THE LAKES @ HAYDEN RUN  
ELEV.= 915.88
  - S&A #2 - R.R.S. SET @ WEST SIDE OF TELEPHONE POLE, 3RD POLE NORTH OF 136TH ST. ON THE EAST SIDE OF TOWNE ROAD  
ELEV.= 907.84
  - S&A #3 - R.R.S. SET @ WEST SIDE P.W.P. #198-293 w/LIGHT @ EAST SIDE OF TOWNE ROAD AT THE NORTH PROPERTY LINE ADDRESS, APPROX. 600± SOUTH OF 141ST STREET.  
ELEV.= 912.91
  - S&A #4 - R.R.S. SET @ SOUTH SIDE OF P.W.P.#838-1623, 4TH POLE WEST OF TOWNE ON NORTH SIDE OF 141ST STREET.  
ELEV.= 913.80
  - S&A #5 - R.R.S. SET @ SOUTH SIDE OF P.W.P.#838-1629, APPROX. 150± WEST OF ADDRESS #2828 ON THE NORTH SIDE OF 141ST STREET.  
ELEV.= 915.97
  - S&A #6 - R.R.S. SET @ SOUTH SIDE OF P.W.P.#838-1635, APPROX. 200± WEST OF DRIVEWAY ADDRESS #3121 ON THE NORTH SIDE OF 141ST STREET.  
ELEV.= 920.14
  - S&A #7 - R.R.S. SET @ NORTH SIDE OF A 30" TREE, APPROX. 35± EAST OF THE S.W. CORNER OF THE RIDGE AT HAYDEN RUN TRACT ON THE SOUTH PROPERTY LINE.  
ELEV.= 917.99
  - S&A #8 - R.R.S. SET @ WEST SIDE OF A 18" TREE AT THE S.W. CORNER OF THE HAMPTONS TRACT OF LAND.  
ELEV.= 914.46

**NOTE**  
PER HCSO, THERE IS TO BE NO DRIVEWAY ENCROACHMENTS INTO EASEMENTS BETWEEN LOTS.



**STORM CHART**

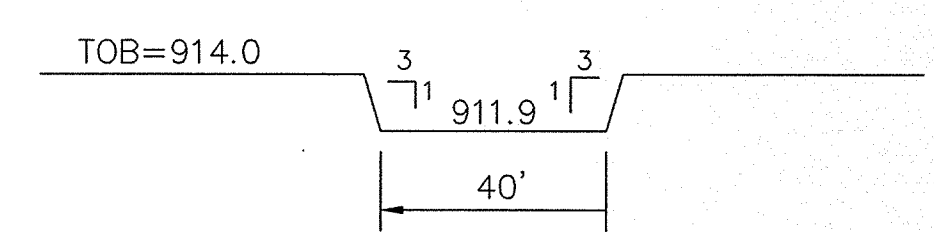
STR. NO.	TYPE	T.C.	RIM	INVERT	DIRECTION
219	STORM INLET	912.50	909.11	NE, SE	
220	YARD INLET	913.00	909.48	NW, SW	
221	CURB INLET	913.30	909.71	NW, SE	
222	DOUBLE CURB INLET	913.00	909.77	NW, SE	
223	YARD INLET	912.50	910.01	SE	
244	CONCRETE END SECTION		908.92	E	
245	CURB INLET w/MH	913.45	909.07	E, W	
246	CURB INLET w/MH	913.45	909.07	E, W	
247	YARD INLET	913.00	909.99	NW, SE	
248	YARD INLET	912.00	909.95	E, W	
249A	YARD INLET	912.50	910.15	N	
258	CONCRETE END SECTION		909.10	N	
259	STORM INLET	912.00	909.25	S	
260	CONCRETE END SECTION		909.10	NW	
261	STORM INLET	912.00	909.29	SE	
262	CONC. END SEC. w/T.G.		908.75	NE	

# RECORD DRAWING

*D.D.O.*  
DENNIS D. OLMSTEAD  
Registered Land Surveyor  
No. 900012  
DATE: 11/14/07



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: October 2007  
Entered By: SLM



**EMERGENCY OVERFLOW CROSS-SECTION LAKE #1**  
SCALE: 1" = 50' HOR.  
1" = 5' VERT.

**NOTE:**  
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 SHOULDER ALONG 141ST STREET.

**NOTE TO CONTRACTOR:**  
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.

**NOTE:**  
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 CITY RIGHT-OF-WAY.

**"HOLEY MOLEY" SAYS:**

1-800-382-5544  
CALL TOLL FREE

1-800-428-5200  
FOR CALLS OUTSIDE OF INDIANA

**CAUTION**  
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 EXISTING 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.

**STOEPPELWERTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS & LAND SURVEYORS  
9940 Allisonville Rd., Fishers, IN 46038-2005  
Phone: (317) 849-9935 Fax: (317) 849-5942  
Toll Free: (800) 726-6917

**DAVID J. STOEPPELWERTH**  
REGISTERED  
No. 19358  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

CERTIFIED: 9/1/06

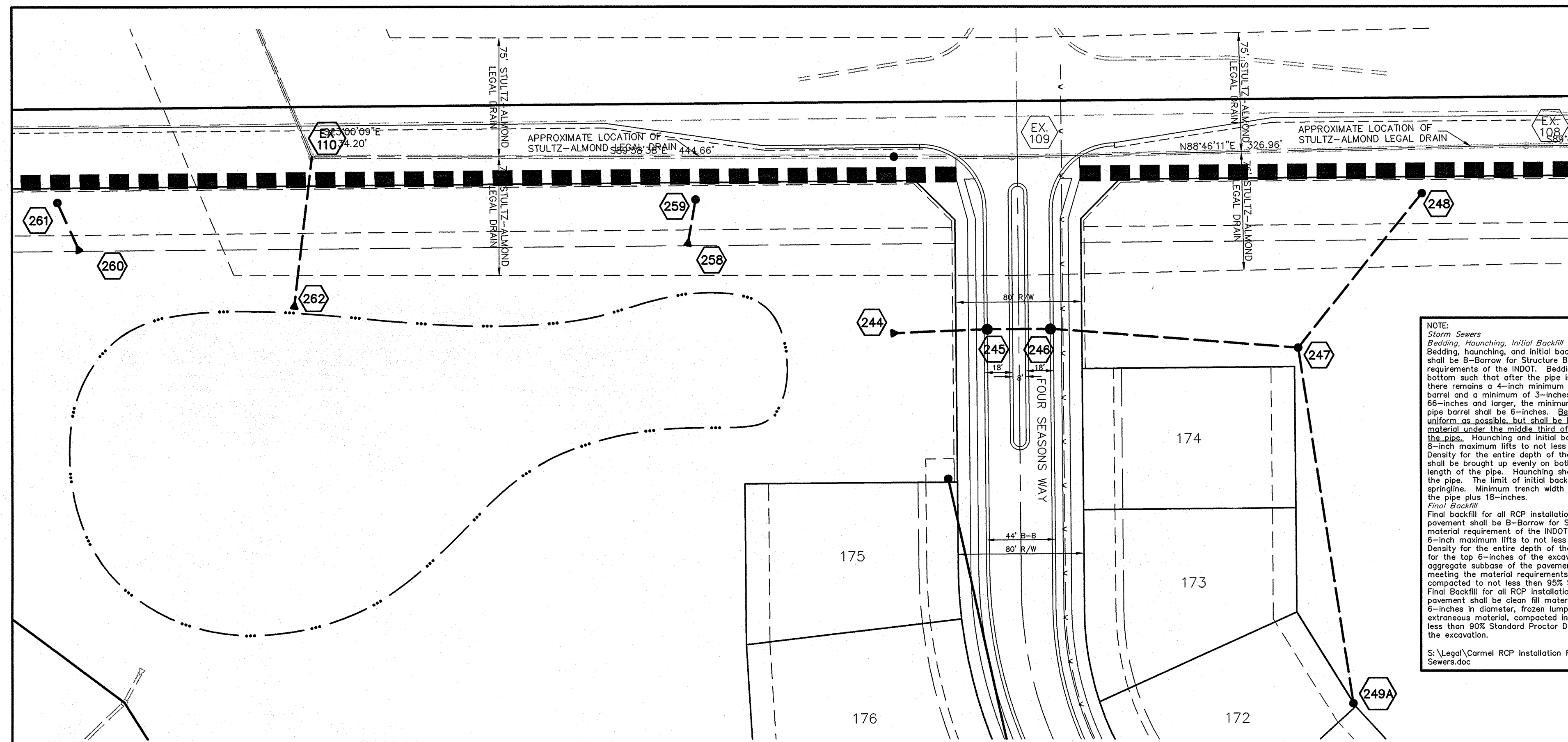
**INDIANA**

**SITE DEVELOPMENT PLAN**  
**LAKESIDE PARK**  
**SECTION SIX**

DRAWN BY: JDH CHECKED BY: EEF  
SHEET NO. C200  
S & A JOB NO. 4176056



S:\176056\dwg\C600-Storm Plan & Profile.dwg, Layout, 11/14/2007 2:32:29 PM, cmiller, 1:1



SCALE: 1" = 50'

NOTE:  
**Storm Sewers**  
Bedding, haunching, and initial backfill for all RCP installations shall be 5'-Borrow for Structure Backfill meeting the material requirements of the INDOT. Bedding shall be placed in the trench bottom such that after the pipe is installed to grade and line, there remains a 4-inch minimum depth of material below the pipe barrel and a minimum of 3-inches below the bell. For pipe sizes 66-inches and larger, the minimum depth of material below the pipe barrel shall be 6-inches. Bedding shall be placed to be uniform as possible, but shall be loosely placed uncompacted material under the middle third of the pipe prior to placement of the pipe. Haunching and initial backfill shall be compacted in 8-inch maximum lifts to not less than 90% Standard Proctor Density for the entire depth of the material placed. The backfill shall be brought up evenly on both sides of the pipe for the full length of the pipe. The limit of initial backfill shall be 6-inches above the springline. Minimum trench width shall be the outside diameter of the pipe plus 18-inches.  
**Final Backfill**  
Final backfill for all RCP installations under and within 5-feet of pavement shall be 5'-Borrow for Structure Backfill meeting the material requirements of the INDOT and shall be compacted in 6-inch maximum lifts to not less than 95% Standard Proctor Density for the entire depth of the material placed. The backfill for the top 6-inches of the excavation below the start of the aggregate subbase of the pavement shall be No. 53 Stone meeting the material requirements of the INDOT and shall be compacted to not less than 95% Standard Proctor Density. Final Backfill for all RCP installations greater than 5-feet of pavement shall be clean fill material free of rocks larger than 6-inches in diameter, frozen lumps of soil, wood or other extraneous material, compacted in 12-inch maximum lifts to not less than 90% Standard Proctor Density for the entire depth of the excavation.  
S:\Legal\Carmel RCP Installation Review02-01-05\Storm Sewers.doc

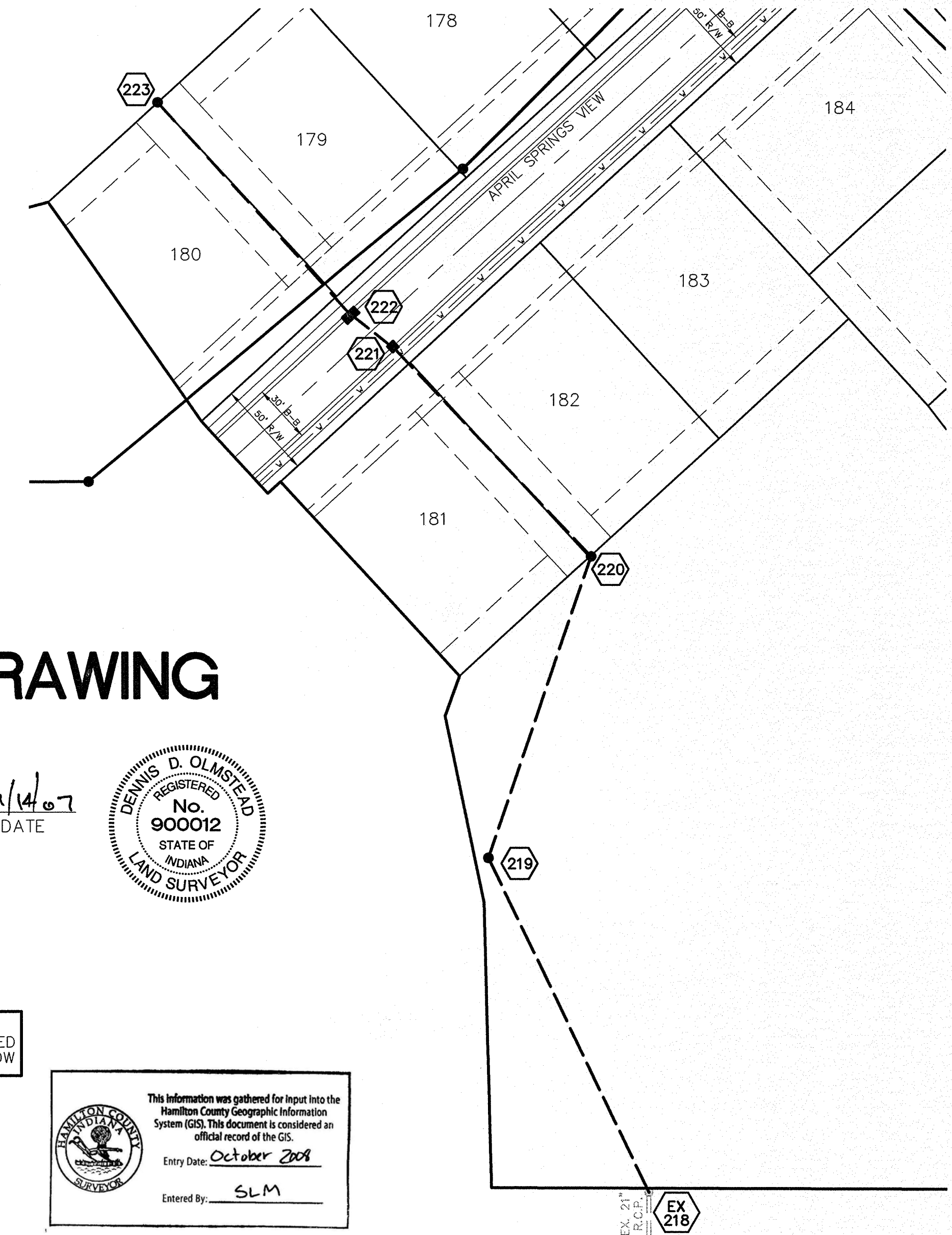
PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
12" to 18"	24"x24"		DESIGN APPROVAL	No	Yes	Yes
12" to 21"	30"x30"		DESIGN APPROVAL	No	Yes	Yes
18" to 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" to 27"	24"x36"		DESIGN APPROVAL	No	No	Yes
12" to 24"	36"x36"		DESIGN APPROVAL	No	Yes	Yes
24" OR LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
24" OR LARGER		MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes

\* PIPES NO LARGER THAN 18" CAN BE USED IN THE 2' SIDE OF THIS BOX  
\*\* ROOMING AND GUT GOING PIPES EFFECT STEPS IN THIS STRUCTURE

**SPECIAL NOTE:**  
STRUCTURES GREATER THAN 48" FROM T/C TO INVERT WILL BE A MH, OR A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED.

**SPECIAL NOTE:**  
STRUCTURES WILL BE DESIGNED FOR MAXIMUM FLOW IN PIPES

**SPECIAL NOTE:**  
COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.



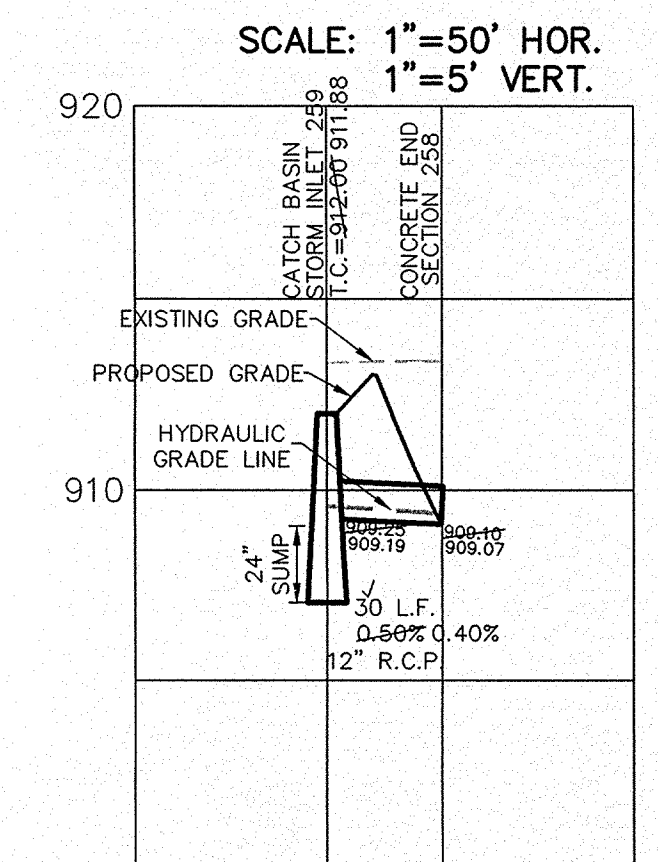
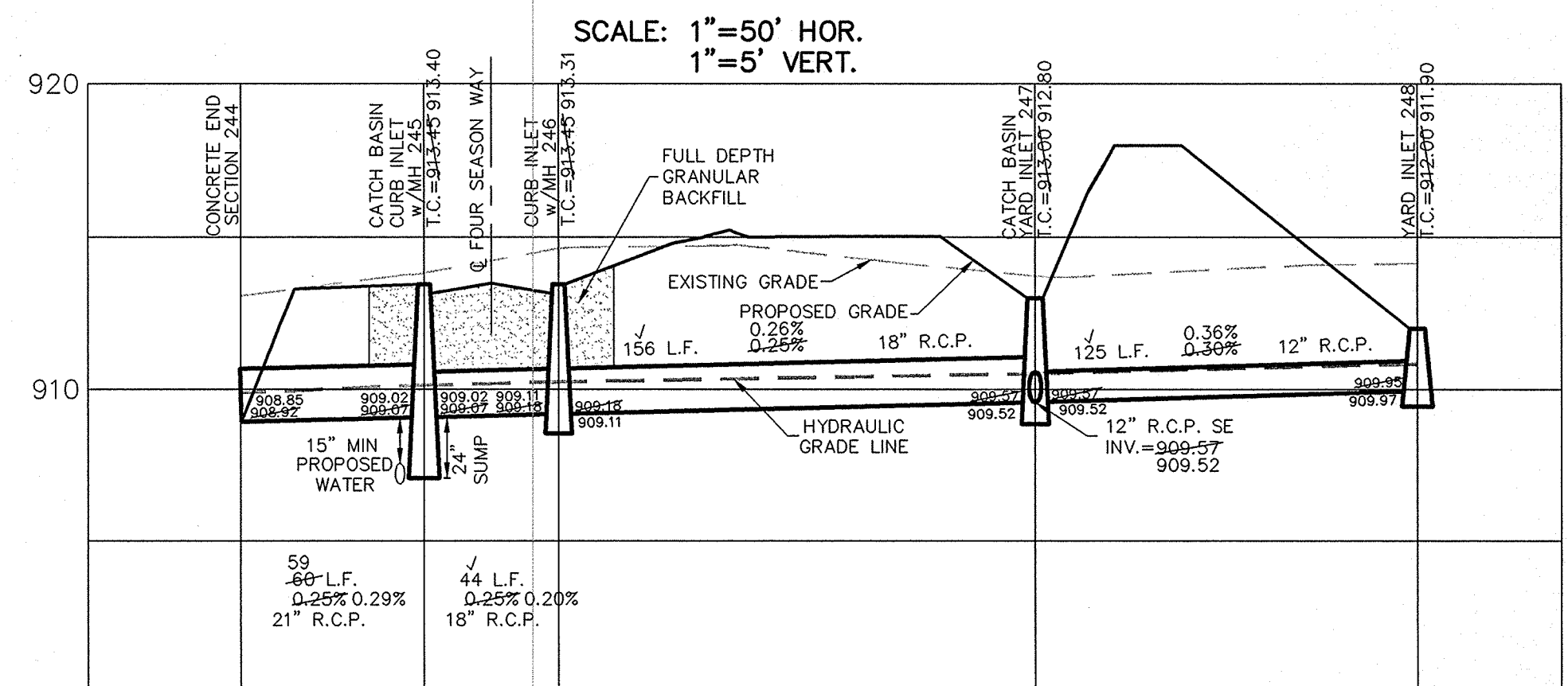
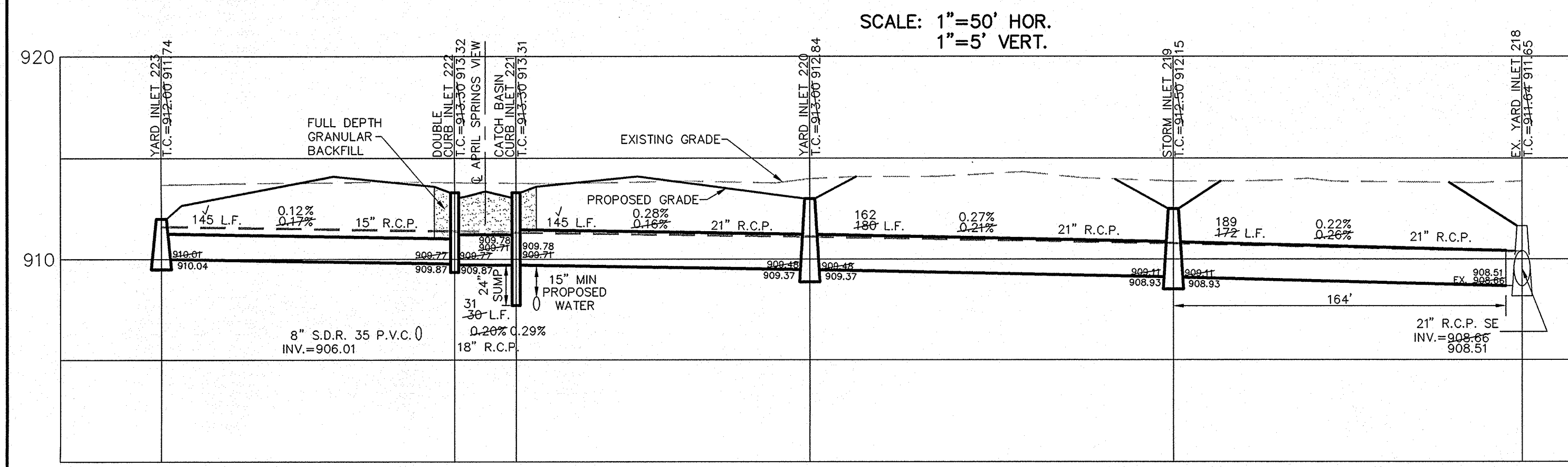
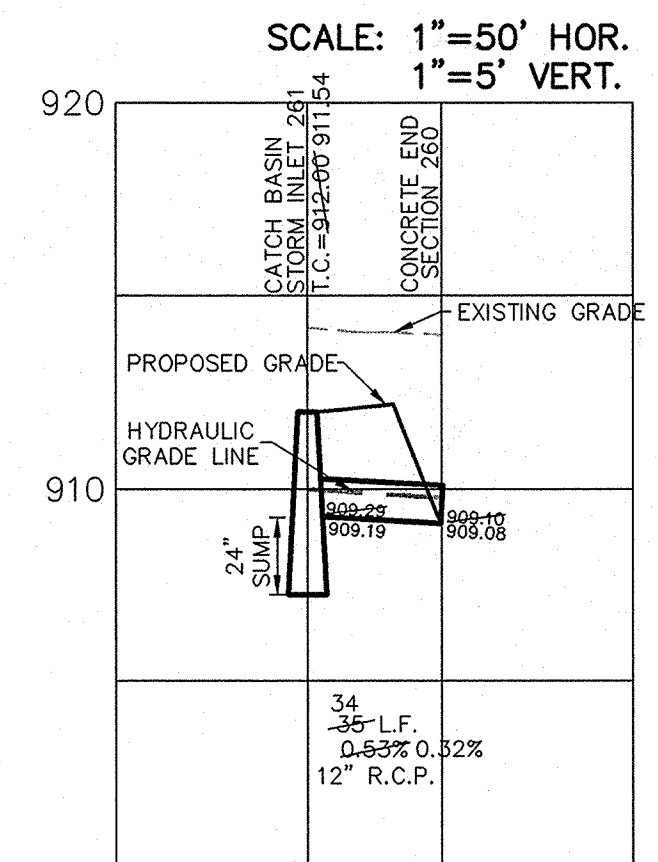
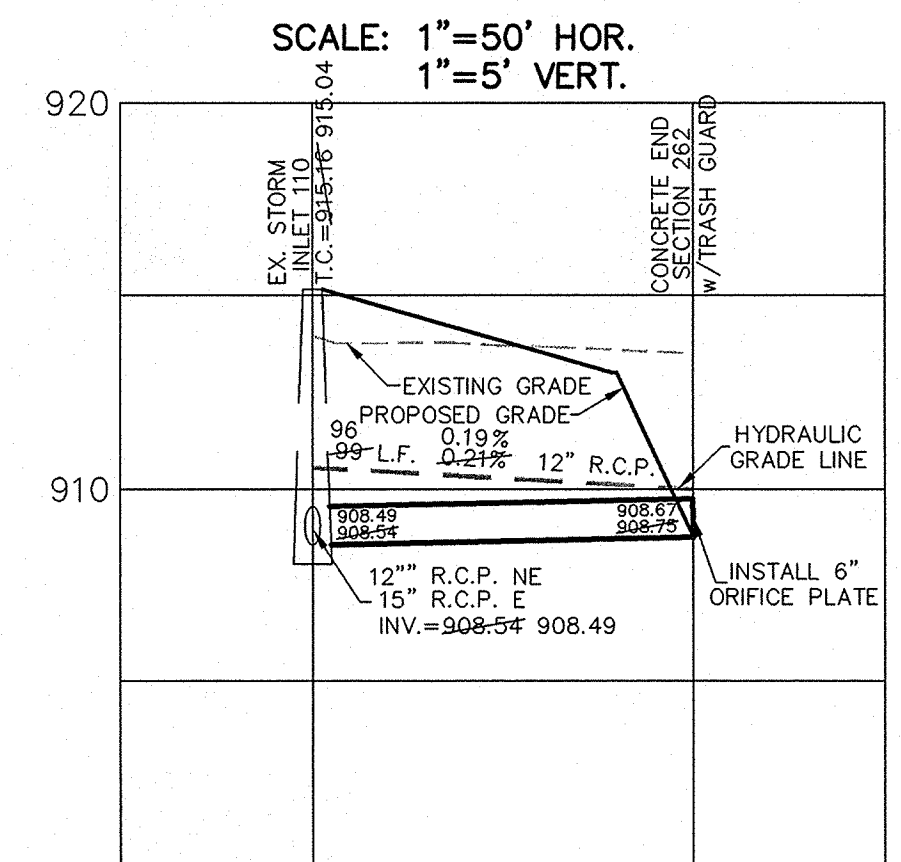
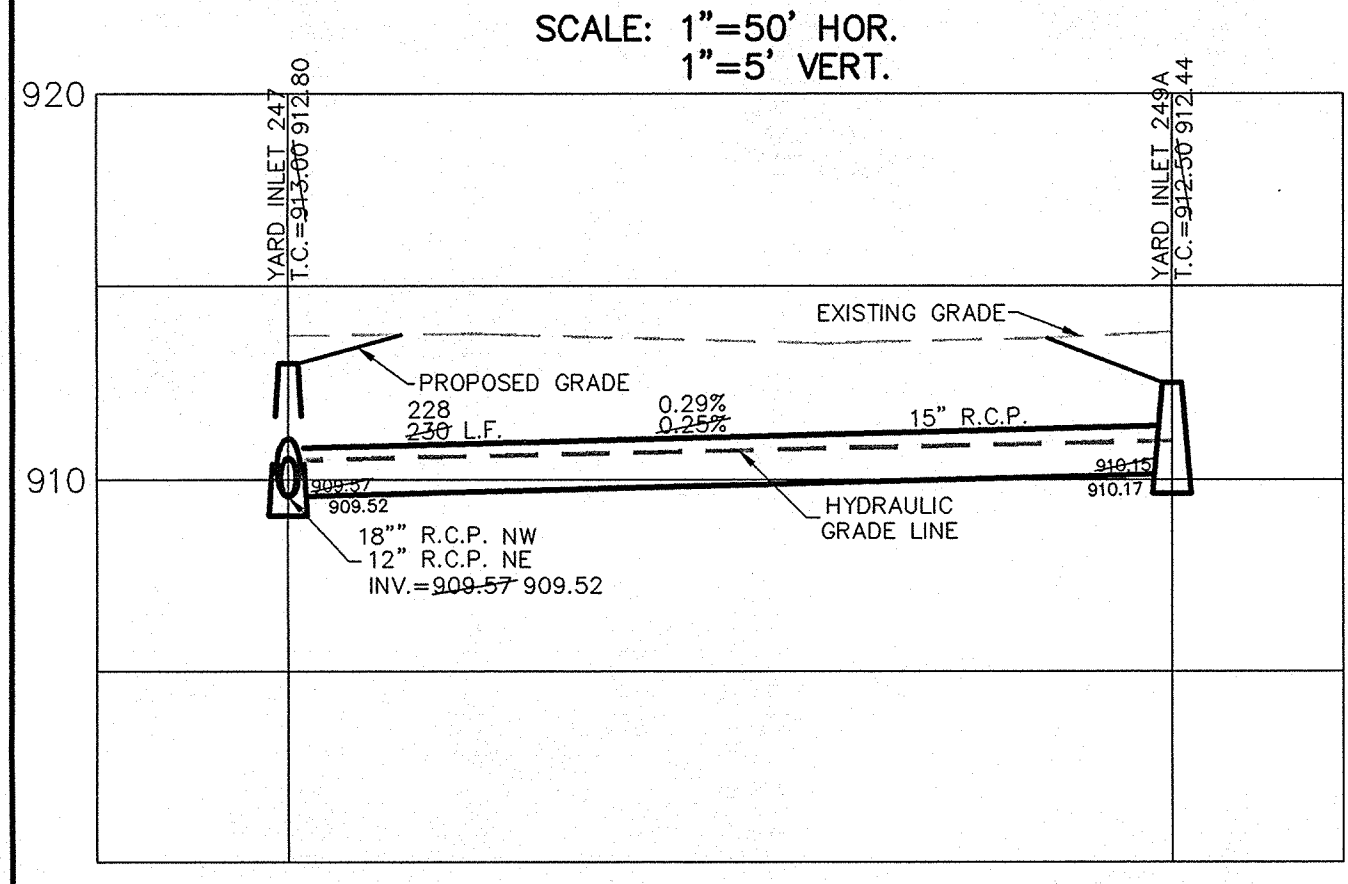
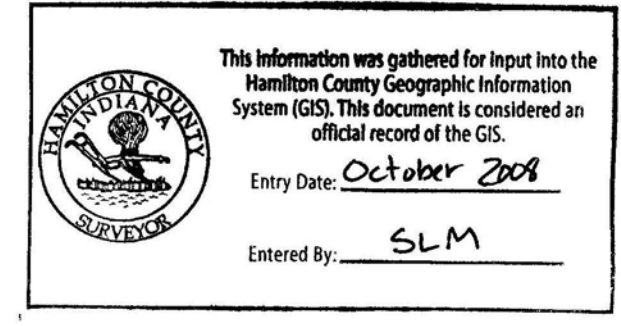
# RECORD DRAWING

DENNIS D. OLMSTEAD  
Registered Land Surveyor  
No. 900012  
DATE: 11/14/07



ALL EXISTING OFF-SITE DRAIN TILES THAT ARE ENCOUNTERED SHALL BE TIED INTO THE PROPOSED STORM SEWER SYSTEM WITH A POSITIVE OUTFLOW

NOTE:  
ALL 24" SUMP CATCH BASIN TO BE 48" MANHOLES PER H.C.S.O.



ASBULTS  
REVISED PER ENGINEER COMMENTS  
REMOVED PER ENGINEER COMMENTS  
REMOVED PER ENGINEER COMMENTS  
REMOVED PER TAC COMMENTS  
REMOVED PER TAC COMMENTS

DATE: 11/14/07  
DATE: 11/14/07  
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DATE: 11/14/07

MARK

DAVID J. STOEPPELWERTH  
REGISTERED  
No. 19358  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

CERTIFIED: 9/1/06  
David J. Stoepelwerth

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INDIANA

CARMEL

STORM PLAN & PROFILES  
LAKESIDE PARK  
SECTION SIX

DRAWN BY: JDH  
CHECKED BY: EEF

SHEET NO.  
**C600**  
S & A JOB NO.  
4176056