



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*

August 23, 2005

TO: Hamilton County Drainage Board

RE: J.W. Brendel Drain, Lakeside Park Section 3 Arm

Attached is a petition filed by Roehling Enterprises along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Lakeside Park Section 3 Arm, J.W. Brendle 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	3,726 feet	15" RCP	342 feet	24" RCP	457 feet
12" RCP	162 feet	21" RCP	420 feet		

The total length of the drain will be 5,107 feet.

The retention pond (Lake #7) located in Common Area #21 is to be considered part of the regulated drain. Pond maintenance shall include the inlet, outlet, sediment removal and erosion control along the banks as part of the regulated drain. The maintenance of the pond (Lake #7) 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 #7) 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. 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 \$65.00 per lot, \$10.00 per acre for roadways and common areas with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$2,403.00

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: March 4, 2005
Number: OSB-003257
For: Storm Sewers
Amount: \$72,344.40

Agent: Huntington National Bank
Date: March 22, 2005
Number: OSB-003296
For: Sub-Surface Drains
Amount: \$18,944.00

Agent: Huntington National Bank
Date: March 22, 2005
Number: OSB-003298
For: Erosion Control
Amount: \$32,808.00

Parcels assessed for this drain may be assessed for the Long Branch 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 3 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for January 23, 2006.



Kenton C. Ward
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, Section
 Three 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 3, 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

October 7, 2004

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

FINDINGS AND ORDER

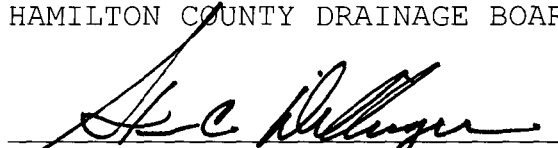
CONCERNING THE MAINTENANCE OF THE

J. W. Brendle Drain, Lakeside Park Section 3 Arm

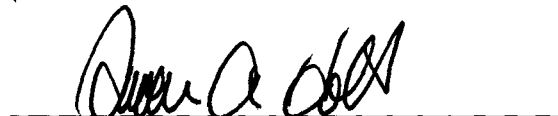
On this **23rd day of January 2006**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **J. W. Brendle Drain, Lakeside Park Section 3 Arm**.

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: 



CONSULTING ENGINEERS • LAND SURVEYORS

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

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

R.M. Stoepelwerth, P.E., P.L.S.
President Emeritus

January 12, 2005

City of Carmel
Engineering Department
1 Civic Square
Carmel, Indiana 46032

Attention: Dick Hill

Re: Lakeside Park Subdivision, Section 3

Dear Mr. Hill:

On behalf of the developer, Roehling Enterprises, Inc., I wish to submit the following Engineer's Estimates for Lakeside Park Subdivision, Section 3. The estimate is as follows:

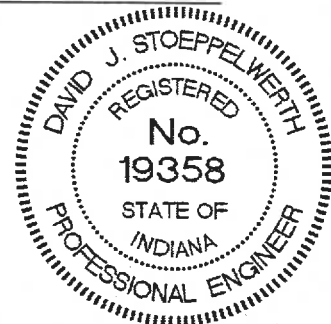
Sanitary Sewer	\$85,526.00
Storm Sewers	\$60,287.00
Water Mains	\$79,001.00
Curbs and Gutters	\$25,089.00
Roadway Paving – Base and Binder	\$77,909.00
Roadway Paving – Surface	\$14,597.00
Erosion Control	\$27,234.00
Subsurface Drains	\$18,944.00
Sidewalks	\$48,524.00
Street Signs	\$1,008.00
Total	\$438,119.00

If you have any questions regarding these estimates, please contact Edward E. Fleming at (317) 577-3400 ext. 22.

Very truly yours,

STOEPPELWERTH & ASSOCIATES, INC.

David J. Stoepelwerth
Professional Engineer
No. 19358



Cc: Ray Roehling

S:\41760S3\Blue_Book\Agency Correspondence\CarmelEngineering\HillEE01-07-05.doc
EEF/meb

9940 Allisonville Road • Fishers, Indiana 46038-2005 • (317) 849-5935 • 1-800-728-6917 • FAX: (317) 849-5942

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF
J. W. Brendle Drain, Lakeside Park Section 3 Arm

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **J. W. Brendle Drain, Lakeside Park Section 3 Arm** on **January 23, 2006** at **9:20 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

J. W. Brendle Drain, Lakeside Park Section 3 Arm

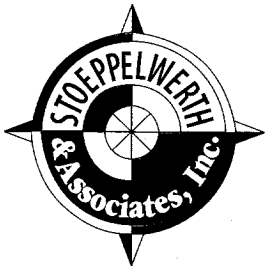
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **January 23, 2006** 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



CONSULTING ENGINEERS • LAND SURVEYORS

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

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

R.M. Stoepelwerth, P.E., P.L.S.
President Emeritus

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Lakeside Park Subdivision, Section 3

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.

Signature: Jeffery W. Darling Date: July 13, 2005

Type or Print Name: Jeffery W. Darling

Business Address: Stoepelwerth & Associates, Inc.

9940 Allisonville Road, Fishers, Indiana 46038

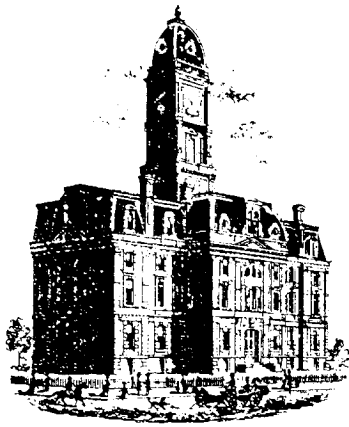
Telephone Number: (317) 849-5935

SEAL

INDIANA REGISTRATION NUMBER

900017





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

February 9, 2007

Re: JW Brendle Drain, Lakeside Park Section 3

Attached are as-builts, certificate of completion & compliance, and other information for Lakeside Park 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 August 23, 2005. The report was approved by the Board at the hearing held January 23, 2006. (See Drainage Board Minutes Book 9, Pages 21-22)

The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes:
237-236	146	15	RCP	910.68	909.51	0.8	1
236-235	30	15	RCP	909.05	909.27	0.8	
235-234	167	15	RCP	909.27	907.88	0.83	
234-211	164	24	RCP	907.88	907.52	0.22	
218-217	150	21	RCP	908.19	908.66	0.31	
217-216	39	21	RCP	908.15	907.8	1	-8
216-215	201	21	RCP	907.8	906.4	0.7	-22
238-212	159	12	RCP	910.03	907.95	1.31	-3
231-234	293	24	RCP	908.98	907.87	0.38	

6" SSD Streets:

Heathermoor	444.5
Fieldshire	759.5
Ambleswind	698
x2	

Total: 3804

RCP Pipe Totals:

12	159
15	343
21	390
24	457

Total: 1349

The length of the drain due to the changes described above is now **5,153 feet**.

The non-enforcement was approved by the Board at its meeting on January 23, 2006 and recorded under instrument #20060004909.

The following sureties were guaranteed by Huntington National Bank and released by the Board on its January 9, 2006 meeting.

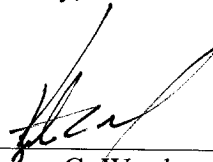
Bond-LC No: OSB-003257
Insured For: Storm Sewers
Amount: \$72,344.40
Issue Date: March 4, 2005

Bond-LC No: OSB-003296
Insured For: Sub-Surface Drain
Amount: \$18,944.00
Issue Date: March 22, 2005

Bond-LC No: OSB-003298
Insured For: Erosion Control
Amount: \$32,808.00
Issue Date: March 22, 2005

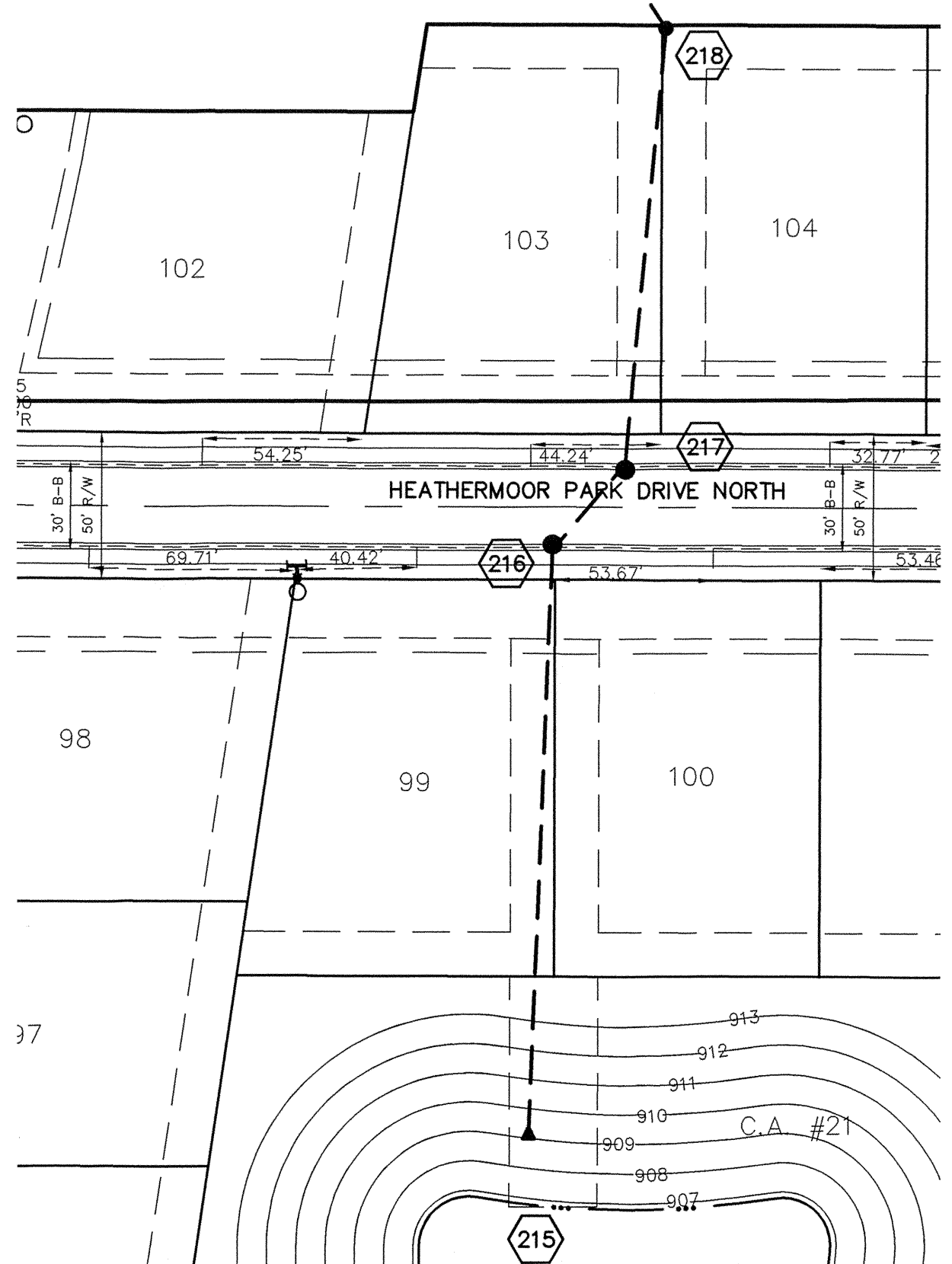
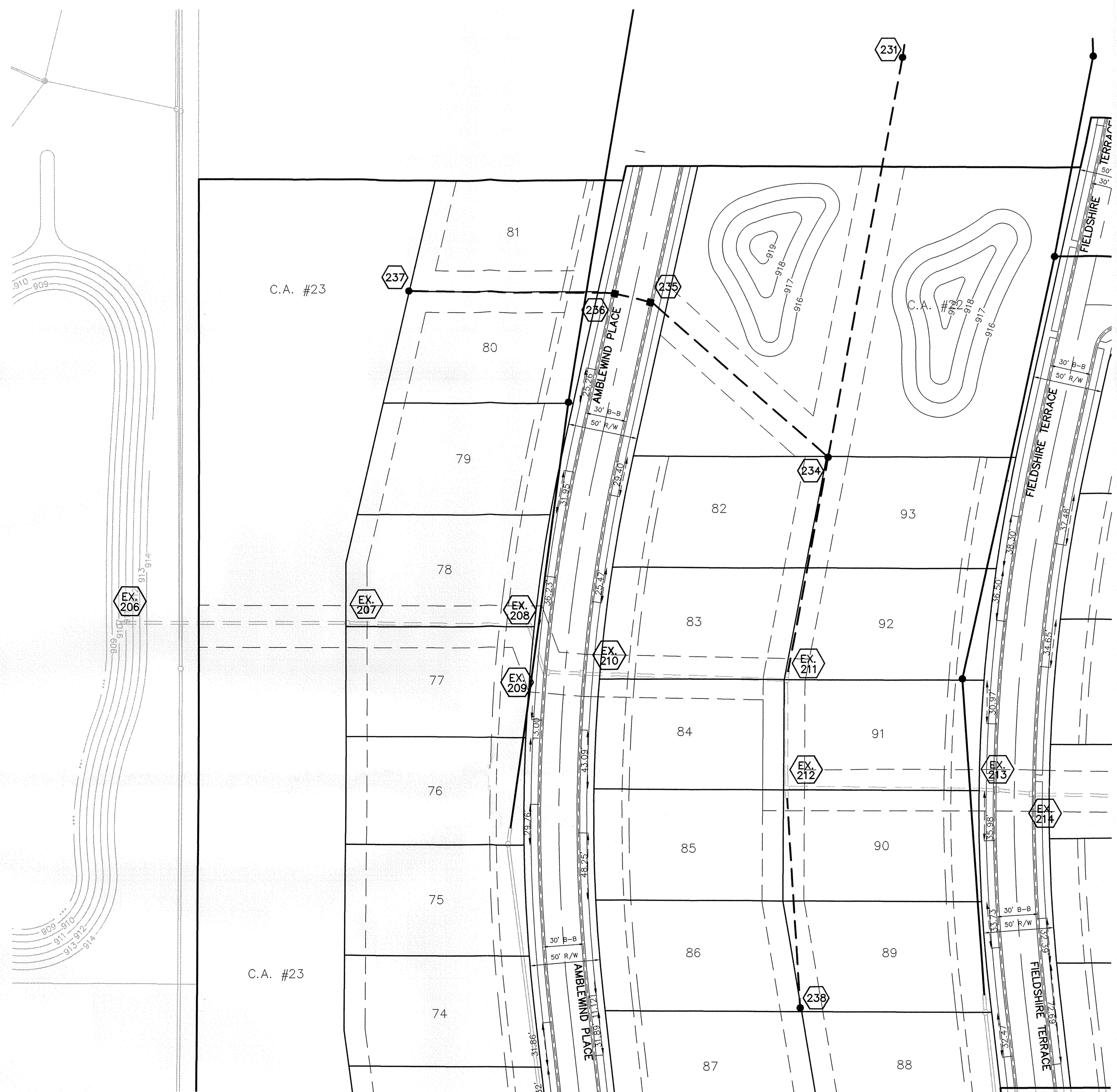
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm



RECORD DRAWING

Jeffrey W. Darling
 JEFFREY W. DARLING
 Registered Land Surveyor
 No. 900017

7/7/05 DATE



SCALE: 1"=50' HOR.
 1"=5' VERT.

NOTE:
 CONSTRUCTION TOLERANCE FOR YARD INLETS
 WILL BE +0.0' TO -0.20'

NOTE:
 *EXCEPT FOR FORCE MAINS, CONTRACTOR TO
 INSTALL CONCRETE CRADLES WHEN THE VERTICAL
 SEPARATION (AS MEASURED FROM THE EXTERIOR
 OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES
 AND STORM SEWERS IS 18" OR LESS.*

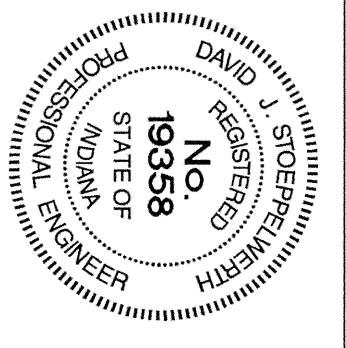
ALL MANHOLES TO BE CONSTRUCTED WITH ONE
 4" RISER RING TO ESTABLISH PLAN CASTING GRADE.

ALL CURB INLET CASTINGS TO BE NEENAH R-3501-L2
 EXCEPT FOR STR. 235 AND 236 WILL BE NEENAH R-3501-TL & TR

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

ALL STORM SEWER CASTINGS SHALL BE LABELED
 "DUMP NO WASTE-DRAINS TO WATERWAY"

SCALE: 1"= 50'



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	No	No	Yes
24" OR LARGER		MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes

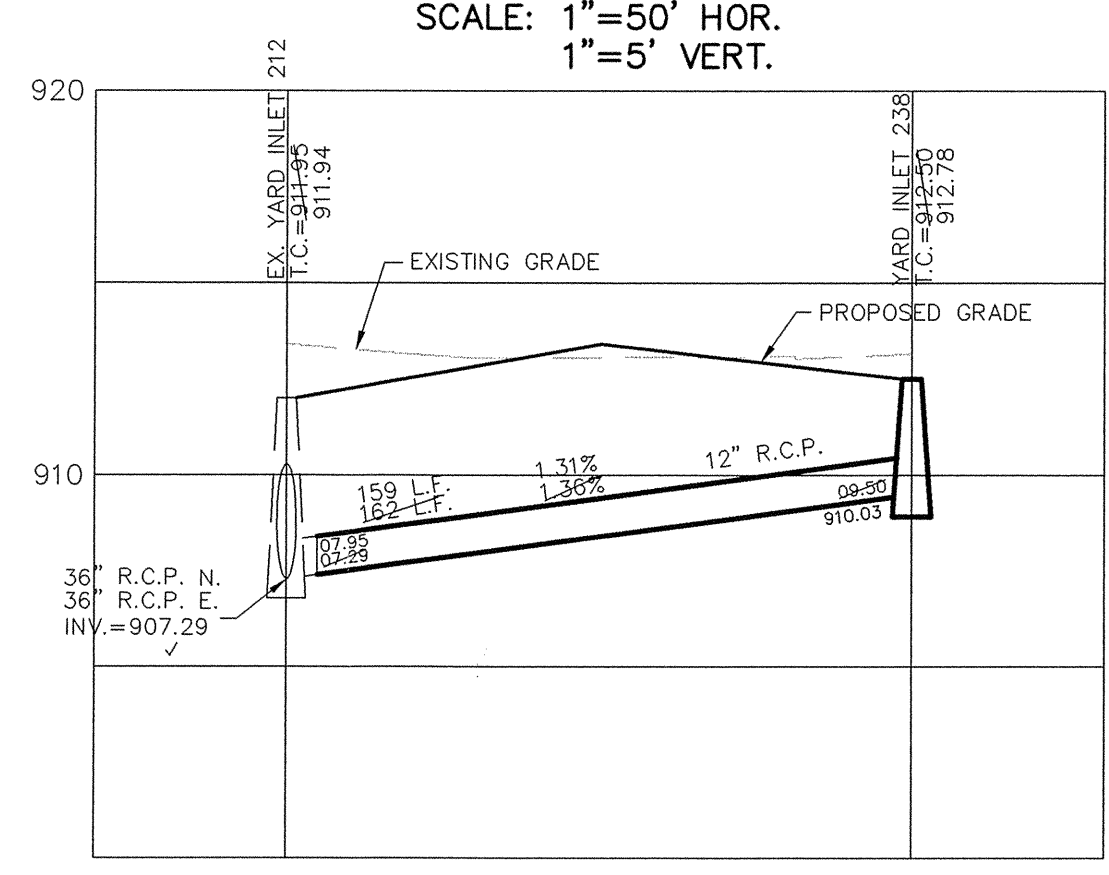
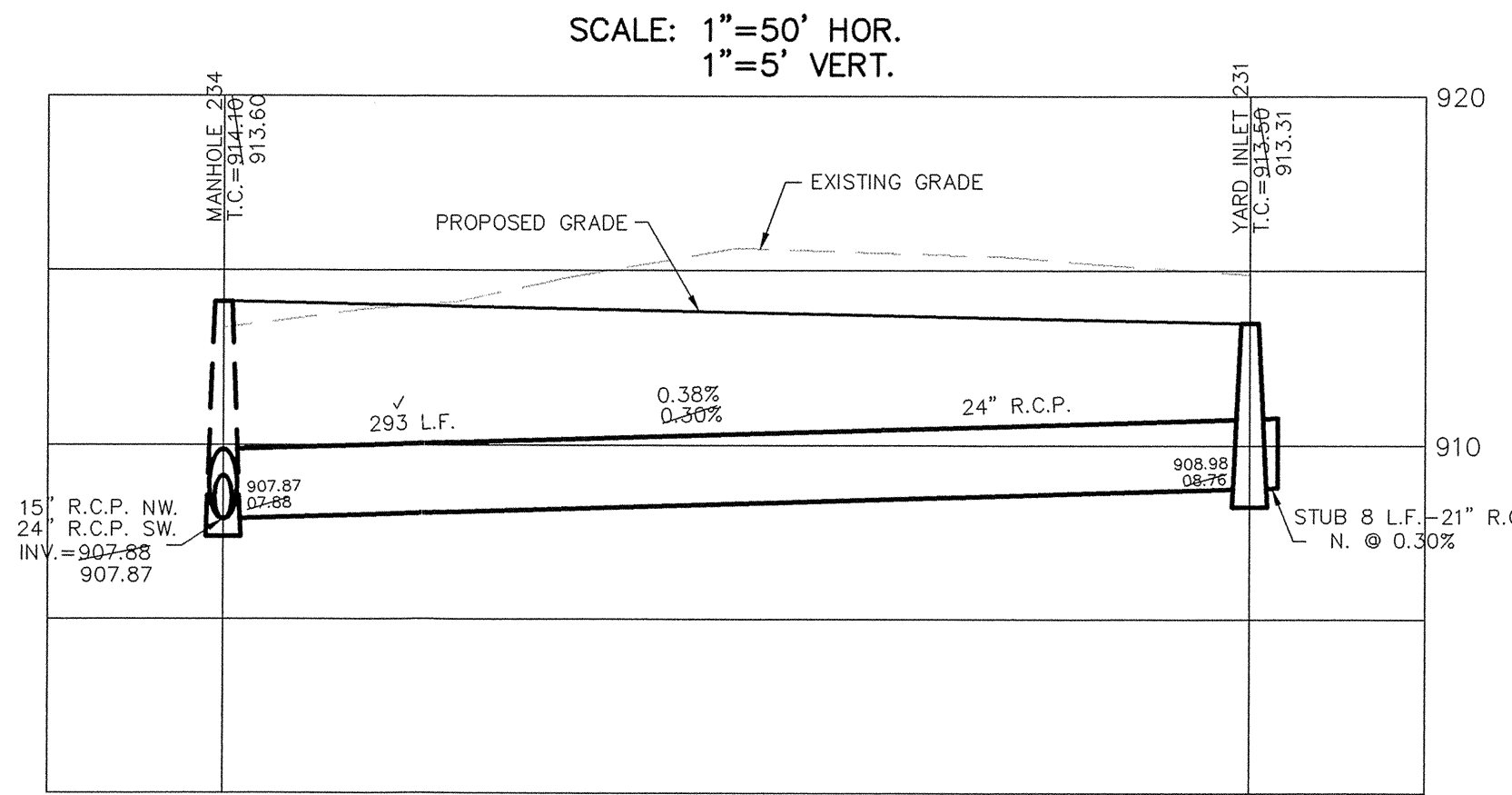
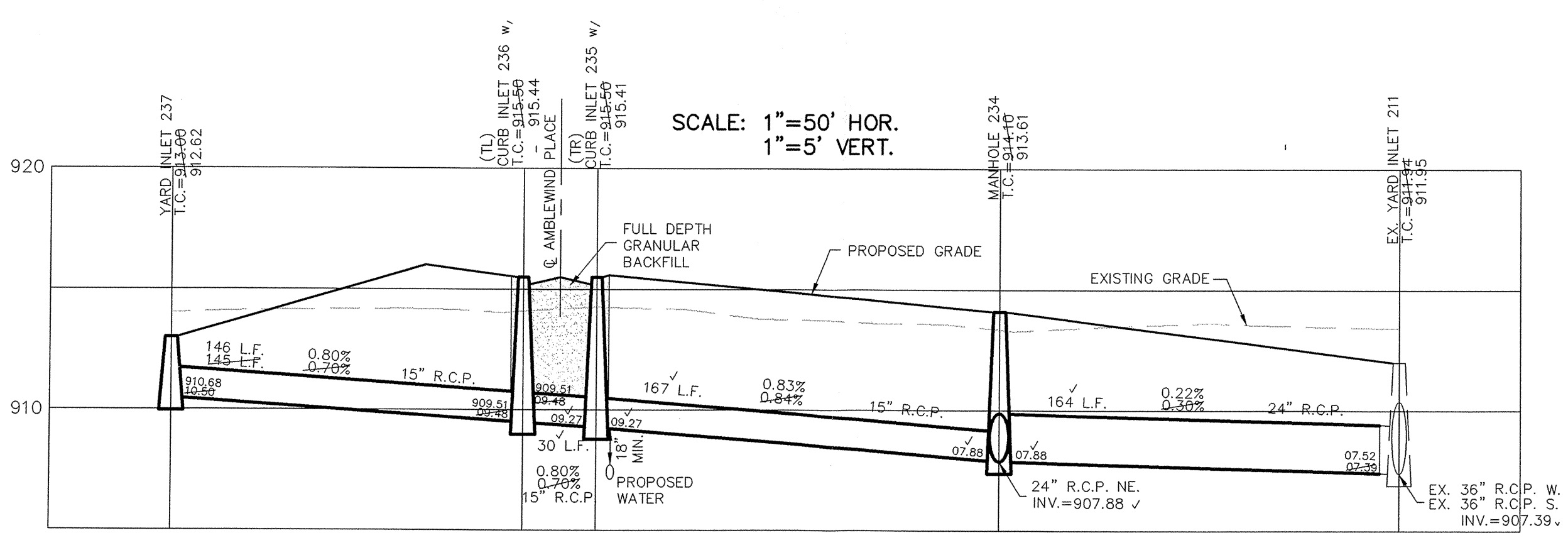
* PIPES NO LARGER THAN 18" CAN BE USED IN THE 2' SIDE OF THIS BOX

** INCOMING AND OUT GOING PIPES EFFECT STEPS IN THIS STRUCTURE

SPECIAL NOTE:
 STRUCTURES DEEPER 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.



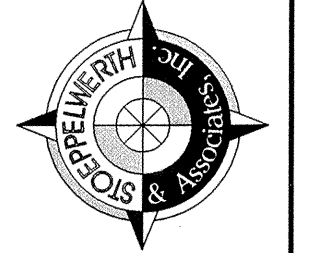
This information was gathered for input into the Hamilton County Geographic Information System and is intended for official record of the OS.
 Entry Date: 7-9-07
 Entered By: SLM

STORM SEWER PLAN & PROFILE LAKESIDE PARK SECTION THREE

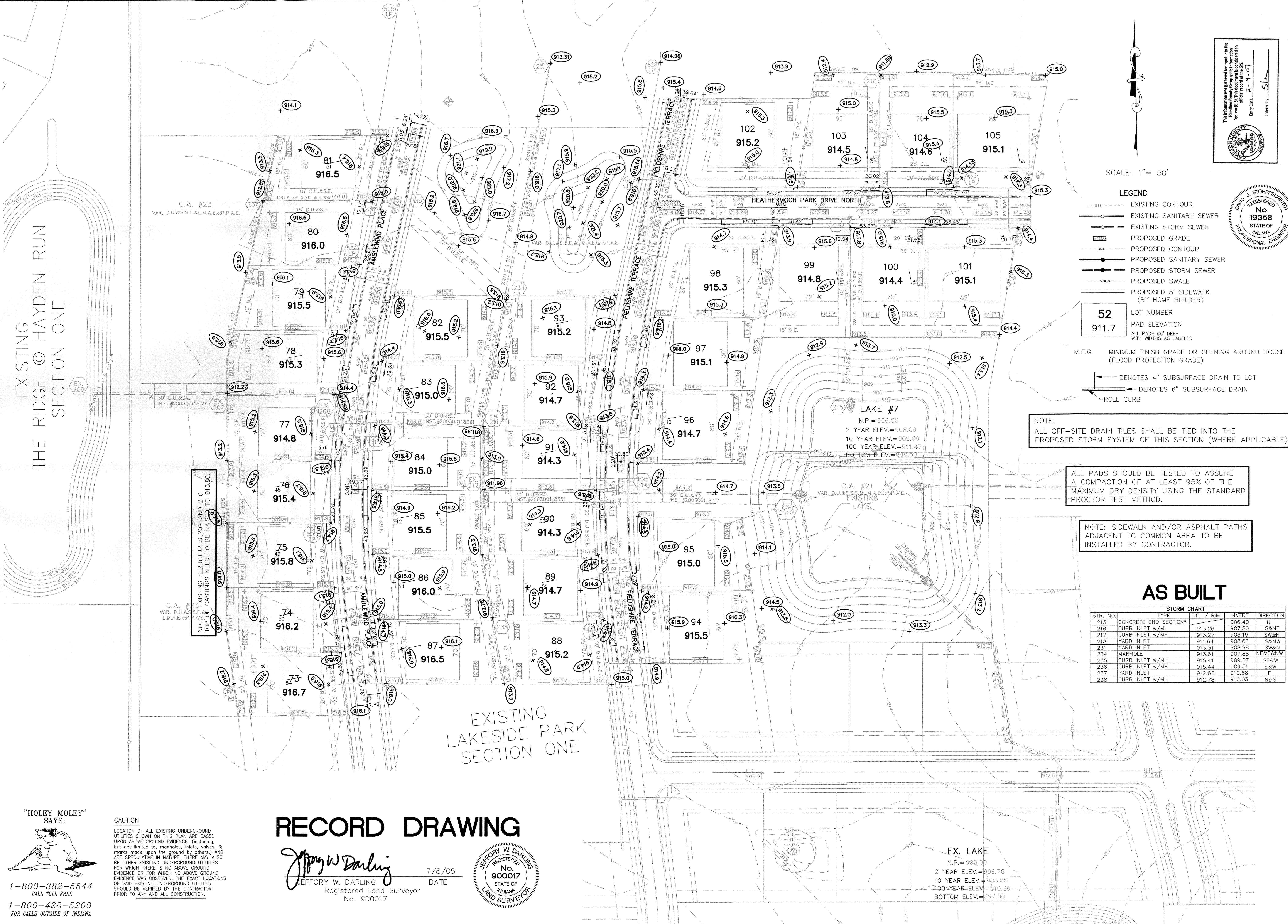
SHEET NO.
C600

406 NO. 4176053

CONSULTING ENGINEERS - LAND SURVEYORS
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
 FISHERS INDIANA



OWN BY	DATE	BY	REVISIONS
DAH	7/6/04	EFF	
AS BUILT	7/7/05	EFF	
REVISED PER SURVEYOR COMMENTS	8/24/04	EFF	
REVISED PER TAC COMMENTS	7/9/04	EFF	
	7/6/04		



EXISTING THE RIDGE @ HAYDEN RUN SECTION ONE

EXISTING LAKESIDE PARK SECTION ONE

NOTE: EXISTING STRUCTURES, 209 AND 210 TOP OF CASTINGS NEED TO BE RAISED TO 913.80.

NOTE: ALL OFF-SITE DRAIN TILES SHALL BE TIED INTO THE PROPOSED STORM SYSTEM OF THIS SECTION (WHERE APPLICABLE)

NOTE: SIDEWALK AND/OR ASPHALT PATHS ADJACENT TO COMMON AREA TO BE INSTALLED BY CONTRACTOR.

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

AS BUILT

STORM CHART				
STR. NO.	TYPE	T.C. / RIM	INVERT	DIRECTION
215	CONCRETE END SECTION*		906.40	N
216	CURB INLET w/MH	913.26	907.80	S&N
217	CURB INLET w/MH	913.27	908.19	SW&N
218	YARD INLET	911.64	908.66	S&NW
231	YARD INLET	913.31	909.98	SW&N
234	MANHOLE	913.61	907.88	NE&S&NW
235	CURB INLET w/MH	915.41	909.27	SE&W
236	CURB INLET w/MH	915.44	909.51	E&W
237	YARD INLET	912.62	910.68	E
238	CURB INLET w/MH	912.78	910.03	N&S

EX. LAKE
N.P. = 905.00
2 YEAR ELEV. = 906.76
10 YEAR ELEV. = 908.55
100 YEAR ELEV. = 919.39
BOTTOM ELEV. = 397.00

SCALE: 1" = 50'

LEGEND

- - - EXISTING CONTOUR
 - - - EXISTING SANITARY SEWER
 - - - EXISTING STORM SEWER
 - PROPOSED GRADE
 - - - PROPOSED CONTOUR
 - - - PROPOSED SANITARY SEWER
 - - - PROPOSED STORM SEWER
 - - - PROPOSED SWALE
 - - - PROPOSED 5' SIDEWALK (BY HOME BUILDER)
- 52 LOT NUMBER
911.7 PAD ELEVATION
ALL PADS 66" DEEP WITH WIDTHS AS LABELED
- M.F.G. MINIMUM FINISH GRADE OR OPENING AROUND HOUSE (FLOOD PROTECTION GRADE)
- DENOTES 4" SUBSURFACE DRAIN TO LOT
--- DENOTES 6" SUBSURFACE DRAIN
--- ROLL CURB

This information was prepared for input into the Professional Information System (PIS). The Professional Information System (PIS) is the official record of the State of Indiana. Entry Date: 2-9-07 Entered By: [Signature]

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

DESIGNED BY	DAVID J. STOEPPELMEYER	DATE	7/6/04
CHECKED BY	DAVID J. STOEPPELMEYER	DATE	7/6/04
DATE	7/6/04	MARK	
BY	DAVID J. STOEPPELMEYER	REVISIONS	

CERTIFIED: 7/6/04

CONSULTING ENGINEERS - LAND SURVEYORS
(317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
INDIANA
FISHERS

SITE DEVELOPMENT PLAN
LAKESIDE PARK SECTION THREE
CARMEL

SHEET NO. C200
JOB NO. 4176053

"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.

RECORD DRAWING

JEFFERY W. DARLING
Registered Land Surveyor
No. 900017

7/8/05 DATE

JEFFERY W. DARLING
REGISTERED
No. 900017
STATE OF INDIANA
LAND SURVEYOR