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

September 30, 2005

To: Hamilton County Drainage Board

Re: J. W. Brendle Drain, The Lakes at Towne Road Section 1 Arm

Attached is a petition filed by Oakfield Development II, LLC along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Lakes at Towne Road Section 1 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	5,024 ft	18" RCP	897 ft	30" RCP	438 ft
12" RCP	1,287 ft	21" RCP	632 ft	33" RCP	94 ft
15" RCP	104 ft	27" RCP	48 ft		

The total length of the drain will be 8,524 feet.

An open ditch was constructed through future Section 2, between Structures 401 and Structure 425, to allow Section 1 to have an outlet. (See sheet C202 of plans by Stoepplewerth dated 11/01/94, Job No. 4870051). Once Section 2 develops, the Section 2 ponds and regulated drain will be installed and the temporary ditch will be abandoned. Until that time, the temporary ditch will be maintained as part of the regulated drain but will not be counted in the footage of the drain. The developer owns the land this temporary ditch crosses, so no offsite easement was needed for this project.

The retention pond (Lake #1) which is located in Common Area #1 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) such as mowing and aquatic vegetation control will be the responsibility of the

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Homeowners Association. The Board will also retain jurisdiction for ensuring the storage volume for which the pond (lake) 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 $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 ~~$1,494.60~~ $2,144.60.

The petitioner has submitted surety for the proposed drain at this time. Surety shall be submitted prior to the approval of the Hamilton County Board of Commissioners/commencement of construction. The sureties which are in the form of a Performance Bond are as follows:

Agent: Bond Safeguard Insurance Co.
Date: May 16, 2005
Number: 5016595
For: Storm Sewers and Underdrains
Amount: $205,821.70

Agent: Bond Safeguard Insurance Company
Date: May 16, 2005
Number: 5016596
For: Erosion Control
Amount: $75,291.00

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 IC36-9-27-67 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 the Lakes at Towne Road Section 1 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/llm

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(Revised 06/08/04)

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 **The Lakes at Towne Road** Subdivision, Section **One** 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 **The Lakes at Towne Road, Section 1**, 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.

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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

Signed

Sheldon Phelps

Printed Name

November 1, 2004

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

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FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

J. W. Brendle Drain, Lakes at Towne Road Section 1 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, Lakes at Towne Road Section 1 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:

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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 17, 2009**

Re: JW Brendle: Lakes at Towne Road Section 1

Attached are as-builts, certificate of completion & compliance, and other information for Lakes at Towne Road Section 1. 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 September 30, 2005. The report was approved by the Board at the hearing held January 23, 2006. (See Drainage Board Minutes Book 9, Pages 19-20)
The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn_Invert	Grade:	Changes:
442-441	137	12	RCP	908.19	907.92	0.2	-1
441-440	36	15	RCP	907.92	907.69	0.64	
440-439	155	18	RCP	907.69	907.24	0.29	-2
439-437	474	21	RCP	907.24	905.8	0.3	-1
437-436	48	27	RCP	905.8	905.65	0.31	1
436-435	240	30	RCP	905.65	905.05	0.25	2
435-434	170	30	RCP	905.05	904.6	0.26	
434-433	30	30	RCP	904.6	904.42	0.6	
433-432	91	33	RCP	904.42	904.1	0.35	-3
452-451	139	12	RCP	906.66	906.12	0.39	-1
451-433	68	15	RCP	906.12	905.83	0.43	
446-445	112	12	RCP	907.02	906.65	0.33	-2
445-444	55	12	RCP	906.65	906.46	0.35	
444-443	36	18	RCP	906.46	906.38	0.22	
443-437	158	21	RCP	906.38	905.8	0.37	1
450-449	119	12	RCP	907.49	906.64	0.71	-1
449-448	55	12	RCP	906.64	906.54	0.18	2
448-447	30	18	RCP	906.54	906.48	0.2	
447-436	140	18	RCP	906.48	905.65	0.59	
430-429	68	12	RCP	907.55	906.8	1.1	
429-427A	229	12	RCP	906.8	904.21	1.13	7
431-429	30	12	RCP	907.05	906.8	0.83	

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428-427	138	18	RCP	904.1	904.1	0	4
427-426	294	18	RCP	904.1	904.09	0.003	1
426-425	107	18	RCP	904.09	904.1	0.009	
401-401A	37	12	RCP	903.38	903.15	0.67	
401A-400	62	12	RCP	903.05	902.77	1.17	
453A-453B	41	12	RCP				
455-454	44	12	RCP				
454-453	97	12	RCP				

RCP Pipe Totals:

12	1225
15	104
18	900
21	632
27	48
30	440
33	91
Total:	3440

SSD Streets Total:

Milano	2208
Wineland	1295
Rock Creek	184
Olive Lake	623
Total:	4310

The length of the drain due to the changes described above is now **7750 feet**.
It should be noted that the drain was modified with the Towne Road improvements. This project removed 525 feet of 6" SSD at the entrance on Towne Rd, 34 feet of 12" RCP between Structures 453A-453B, and 29 feet of 12" RCP between Structures 453, 454, and 455.

The non-enforcement was approved by the Board at its meeting on January 23, 2006and recorded under instrument #20060004905.

The following sureties were guaranteed by Bond Safeguard Insurance Co. and released by the Board on its March 27, 2006 meeting.

Bond-LC No: 5016595
Insured For: Storm Sewers, SSD
Amount: $205,821.70
Issue Date: May 16, 2005

Bond-LC No: 5016596
Insured For: Erosion Control
Amount: $75,291.00
Issue Date: May 16, 2005

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

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

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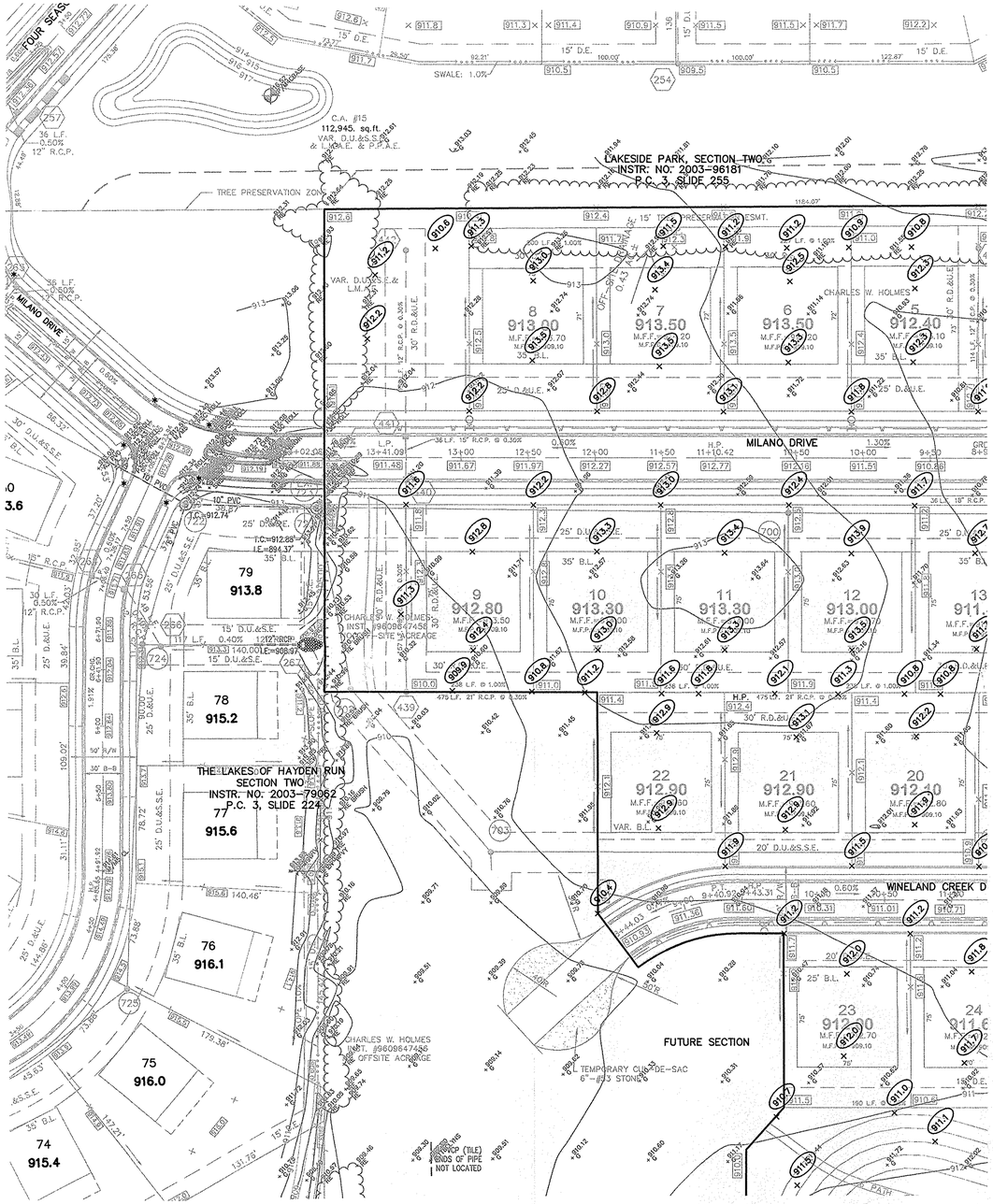


NOTE: A DEBRIS GUARD SHALL BE INSTALLED ON ALL UPSTREAM OPEN ENDED INLETS AND AT THE POND OUTFALL PIPE.

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

TBM # 9

RAILROAD SPIKE, UP 1'± ON THE WEST SIDE OF A POWER POLE # 13423, LOCATED ALONG THE SOUTH SIDE OF STONE DRIVE TO ADDY # 13405 AND TOWNE ROAD EAST SIDE OF TOWNE ROAD.

ELEVATION: 908.59'

S&A #2

RAILROAD SPIKE, UP 1'± ON THE WEST SIDE TELEPHONE POLE, LOCATED 136TH ST., 3RD POLE ON THE NORTH SIDE AND TOWNE ROAD.

ELEVATION: 907.84'

EARTHWORK:

1. EXCAVATION
   - A. Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
   - B. Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
2. REMOVAL OF TREES
   - A. All trees and stumps from area to be occupied by a road surface area and building pad. Trees and stumps shall not be buried on site.
3. PROTECTION OF TREES
   - A. The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
   - B. In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect of protective measure to be taken, if any, to preserve such trees.
4. REMOVAL OF TOPSOIL
   - A. All topsoil shall be removed from all areas to be excavated. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
5. UTILITIES
   - A. Rules and regulation governing the respective utility shall be observed in executing all work under this section.
   - B. It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
6. SITE GRADING
   - A. Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
   - B. The tolerance for paved areas shall not exceed 0.05 feet above established subgrade. All other areas shall not exceed 0.05 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
   - C. The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

FORM:\EARTHWRK

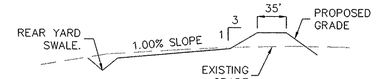
LEGEND

- EMERGENCY FLOOD ROUTE
- 848 EXISTING CONTOUR
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- 848.0 PROPOSED GRADE
- 848 PROPOSED CONTOUR
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED SWALE
- PROPOSED 5' SIDEWALK (BY HOME BUILDER)
- PROPOSED 10' PATH

SCALE: 1"= 50'

14 — LOT NUMBER
902.80 — PAD ELEVATION
M.F.F.=903.50 — PAD SIZE 80'Wx70'D (UNLESS OTHERWISE NOTED)

M.F.P.G. **MINIMUM FLOOD PROTECTION GRADE** NO OPENING (DOOR, WINDOW, BASEMENT ACCESS, ETC.) SHALL BE LOWER THAN M.F.P.G.



PARTIAL PAD DETAIL
N.T.S.

DENOTES 4" SUBSURFACE DRAIN TO LOT
DENOTES 6" SUBSURFACE DRAIN
ROLL CURB

Str. No.	Structure Type	T.C./Rim	Invert In	Invert Out	Depth	Str. Size	Casting Type	Pipe Size	Dir. Of Pipe	Thickness
400	CONCRETE END SECTION		902.70	902.70				12	NE	1.75
401	CONCRETE END SECTION		903.30	903.30				12	SW	1.75
425	CONCRETE END SECTION		904.10	904.10				18	NW	2
426	MANHOLE	910.40	904.10	904.10	4.63	30X30	R-4342	18,18	N, SE	2
427A	CONCRETE END SECTION		904.10	904.10				12	SW	1.75
427	MANHOLE	911.30	904.10	904.10	5.54	30X30	R-4342	18,18	NE,S	1.875
428	CONCRETE END SECTION		904.10	904.10				18	SW	1.875
429	CURB INLET	910.24	906.89	906.89	2.20	24X24	R-3501-N	12,12,12	NW,NE,SW	1.75
430	CURB INLET	910.71	907.40	907.40	2.16	24X24	R-3501-N	12	NE	1.75
431	CURB INLET	910.24	906.94	906.94	2.15	24X24	R-3501-N	12	SE	1.75
432	CONCRETE END SECTION		904.10	904.10				33	W	2.875
433	CURB INLET	909.54	904.38	904.38	2.17	42X42	R-3501-N	15,33,30	NW,E,W	2.875
434	CURB INLET	909.54	904.47	904.47	2.34	42X42	R-3501-N	30,30	E,SW	2.75
435	YARD INLET	910.00	904.98	904.98	2.29	42X42	R-4342	30,30	W,NE	2.75
436	YARD INLET	910.50	905.69	905.69	2.08	42X42	R-1772-C	27,30,18	W,E,S	2.75
437	YARD INLET	910.00	905.83	905.83	1.70	42X36	R-4342	21,27,21	W,E,N	2.625
439	YARD INLET	910.00	907.26	907.26	0.86	36X36	R-4342	21,18	E,N	2.25
440	CURB INLET	911.42	907.73	907.73	2.52	30X30	R-3501-N	15,18	N,S	2
441	CURB INLET	911.42	907.84	907.84	2.17	30X30	R-3501-N	12,15	N,S	1.875
442	YARD INLET	910.30	908.25	908.25	0.90	24X24	R-4342	12	S	1.75
443	DOUBLE CURB INLET	909.97	906.30	906.30	1.75	36X36	R-3501-N	18,21	N,S	2
444	DOUBLE CURB INLET	909.97	906.41	906.41	1.89	30X30	R-3501-N	12,18	NW,S	2
445	MANHOLE	911.00	906.58	906.58	3.27	24X24	R-1772-C	12,12	N,SE	1.75
446	YARD INLET	910.00	906.92	906.92	1.93	24X24	R-4342	12	S	1.75
447	DOUBLE CURB INLET	910.30	906.41	906.41	2.22	30X30	R-1772-C	18,18	N,S	2
448	CURB INLET	910.40	906.50	906.50	2.13	30X30	R-3501-N	18,12	N,SW	2
449	MANHOLE	910.70	906.66	906.66	2.89	24X24	R-1772-C	12,12	NE,S	1.75
450	YARD INLET	909.60	907.30	907.30	1.15	24X24	R-4342	12	N	1.75
451	CURB INLET	910.03	906.08	906.08	2.55	30X30	R-3501-N	12,15	NW,SE	1.75
452	YARD INLET	908.50	906.50	906.50	0.85	24X24	R-4342	12	SE	1.75
453	CONCRETE END SECTION		904.10	904.10				12	NE	1.75
454	CURB INLET	909.77	906.08	906.08	2.53	24X24	R-3501-N	12,12	N,SW	1.875
455	CURB INLET	909.77	906.22	906.22	2.39	24X24	R-3501-N	12	S	1.875

RECORD DRAWING

JEFFORY W. DARLING
Registered Land Surveyor
No. 900017

10/12/05
DATE

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

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: Sept. 2009
Entered By: SLM

"HOLEY MOLEY" SAYS:

1-800-382-5544
CALL TOLL FREE
1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA
1-317-571-2648
CALL CARMEL UTILITIES (FOR WATER MAIN LOCATIONS)

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.

+ ASBUILT GRADE ELEV.

BY	REVISIONS	MARK	DATE
KMC	ASBUILTS		
KMC	REVISED PER AGENCY COMMENTS		10/13/05
KMC	REVISED PER AGENCY COMMENTS		3/28/06
KMC	REVISED PER H.C.S.O. COMMENTS		7/7/06
KMC	REVISED PER AGENCY COMMENTS		12/29/06

DWN. BY KMC
CHK. BY BKR
SCALE 1"=50'
DATE 11/1/04

CERTIFIED: 11/1/04

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

SITE DEVELOPMENT PLAN
THE LAKES AT TOWNE ROAD
SECTION ONE
CARMEL INDIANA

SHEET NO. C201

JOB NO. 48700S1

S:\48700S1\dwg\C201-CRD1.r*sg, Layout1, 10/12/2005 4:11:38 PM, kcummins, 1:1
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NOTE: A DEBRIS GUARD SHALL BE INSTALLED ON ALL UPSTREAM OPEN ENDED INLETS AND AT THE POND OUTFALL PIPE.

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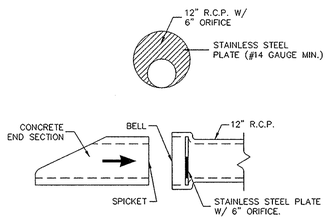


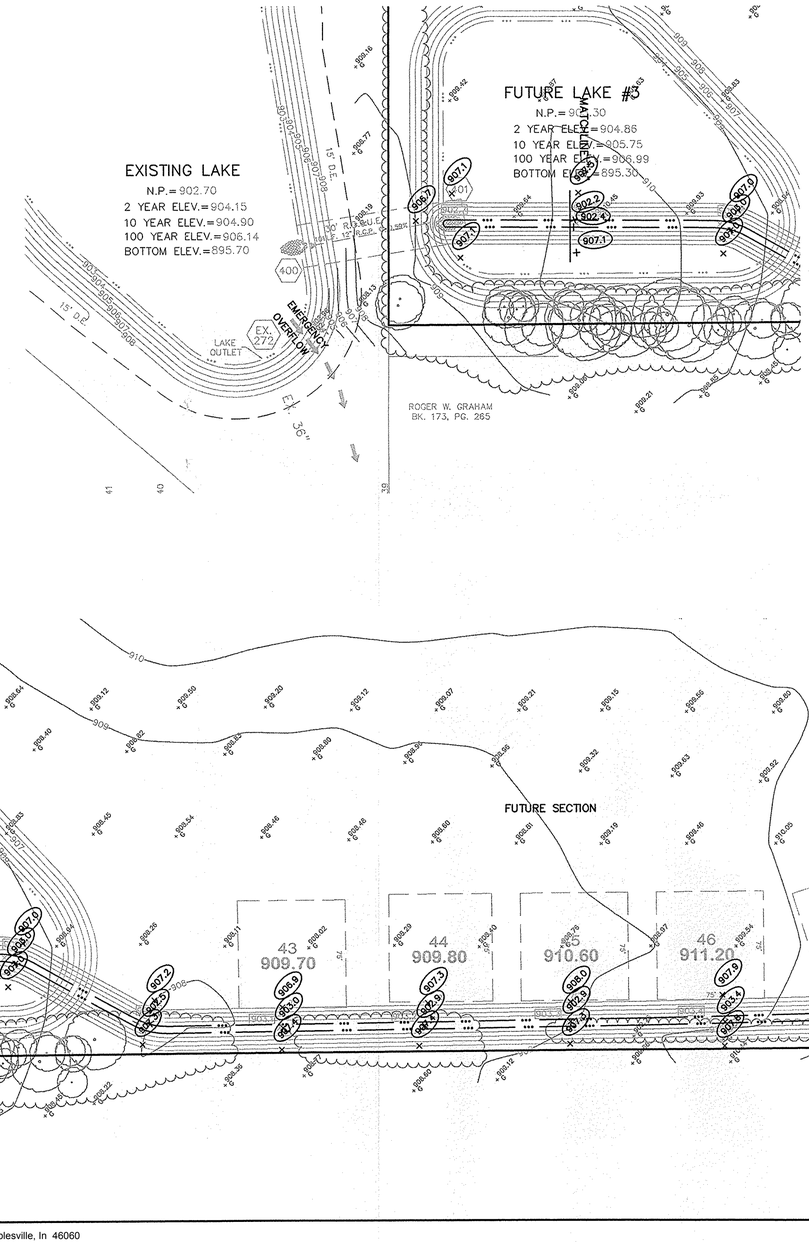
ORIFICE DETAIL
STRUCTURE 401
NOT-TO-SCALE

RECORD DRAWING

JEFFORY W. DARLING — 10/12/05
JEFFORY W. DARLING — DATE
Registered Land Surveyor
No. 900017

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

ASBUILT GRADE ELEV.



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Entry Date: Sept. 2009
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LEGEND

- EMERGENCY FLOOD ROUTE
- 848 EXISTING CONTOUR
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- 848.0 PROPOSED GRADE
- 848 PROPOSED CONTOUR
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED SWALE
- PROPOSED 5' SIDEWALK (BY HOME BUILDER)
- PROPOSED 10' PATH

SCALE: 1"= 50'

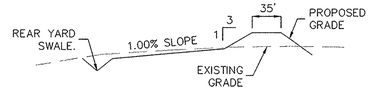
JAMES O. RINEHART REGISTERED No. 10200495 STATE OF INDIANA PROFESSIONAL ENGINEER

14
902.80
M.F.F.=903.50

LOT NUMBER

PAD ELEVATION
PAD SIZE 80'Wx70'D
(UNLESS OTHERWISE NOTED)

M.F.P.G. **MINIMUM FLOOD PROTECTION GRADE**
NO OPENING (DOOR, WINDOW, BASEMENT ACCESS, ETC.) SHALL BE LOWER THAN M.F.P.G.



PARTIAL PAD DETAIL
N.T.S.

DENOTES 4" SUBSURFACE DRAIN TO LOT
DENOTES 6" SUBSURFACE DRAIN
ROLL CURB

EARTHWORK:

1. EXCAVATION
   - A. Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
   - B. Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
2. REMOVAL OF TREES
   - A. All trees and stumps from area to be occupied by a road surface area and building pad. Trees and stumps shall not be buried on site.
3. PROTECTION OF TREES
   - A. The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
   - B. In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect of protective measure to be taken, if any, to preserve such trees.
4. REMOVAL OF TOPSOIL
   - A. All topsoil shall be removed from all areas to be excavated. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
5. UTILITIES
   - A. Rules and regulation governing the respective utility shall be observed in executing all work under this section.
   - B. It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
6. SITE GRADING
   - A. Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
   - B. The tolerance for paved areas shall not exceed 0.05 feet above established subgrade. All other areas shall not exceed 0.05 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
   - C. The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

FORM\EARTHWRK

TBM # 9

RAILROAD SPIKE, UP 1'± ON THE WEST SIDE OF A POWER POLE # 13423, LOCATED ALONG THE SOUTH SIDE OF STONE DRIVE TO ADDY # 13405 AND TOWNE ROAD EAST SIDE OF TOWNE ROAD.

ELEVATION: 908.59'

S&A #2

RAILROAD SPIKE, UP 1'± ON THE WEST SIDE TELEPHONE POLE, LOCATED 136TH ST., 3RD POLE ON THE NORTH SIDE AND TOWNE ROAD.

ELEVATION: 907.84'

"HOLEY MOLEY" SAYS:

1-800-382-5544
CALL TOLL FREE
1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA
1-317-571-2648
CALL CARMEL UTILITIES
(FOR WATER MAIN LOCATIONS)

CAUTION

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BY	REVISIONS	MARK	DATE
KMC	ASBUILTS		10/12/05
KMC	REVISED PER AGENCY COMMENTS		3/18/05
KMC	REVISED PER AGENCY COMMENTS		2/2/05
KMC	REVISED SHEET PER AGENCY COMMENT		1/25/05
KMC	REVISED PER H.C.S.D. COMMENTS		1/19/05
KMC	REVISED PER AGENCY COMMENTS		12/10/04

DWN. BY: KMC
CK. BY: BKR
SCALE: 1"=50'
DATE: 11/1/04

CERTIFIED: 11/1/04

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

SITE DEVELOPMENT PLAN
THE LAKES AT TOWNE ROAD
SECTION ONE
CARMEL INDIANA

SHEET NO. C202

JOB NO. 48700S1

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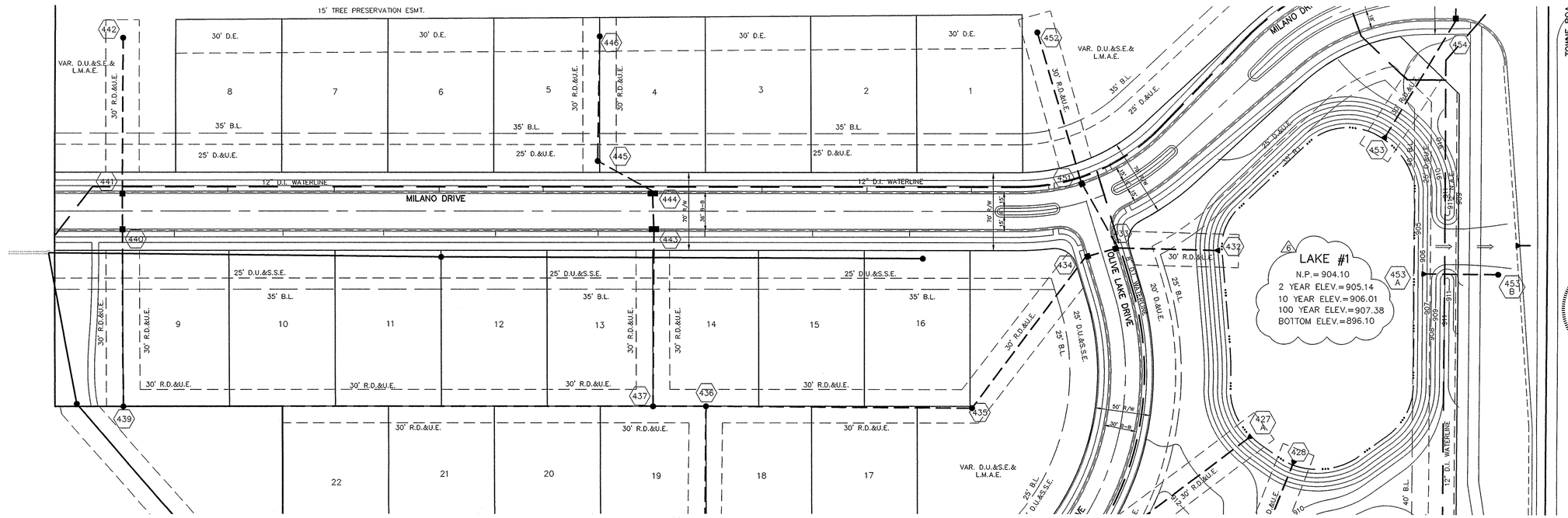

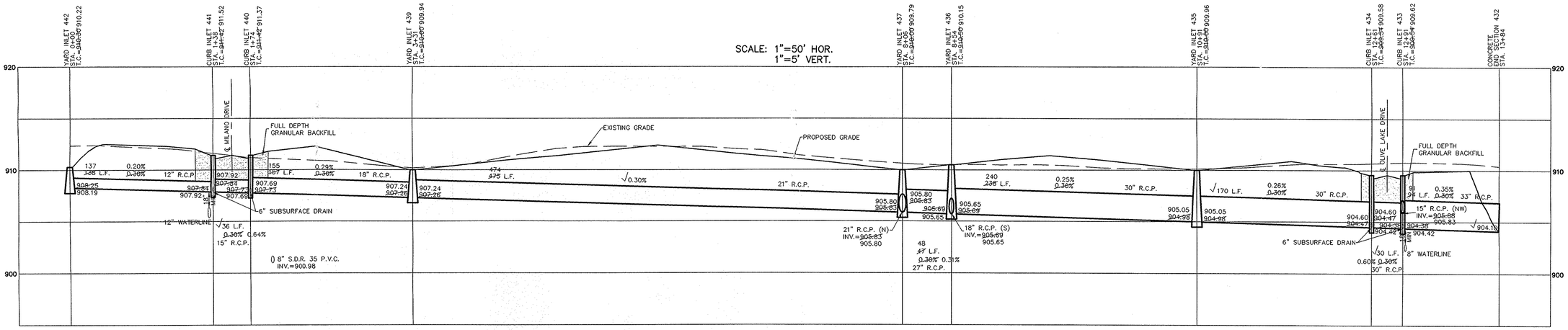

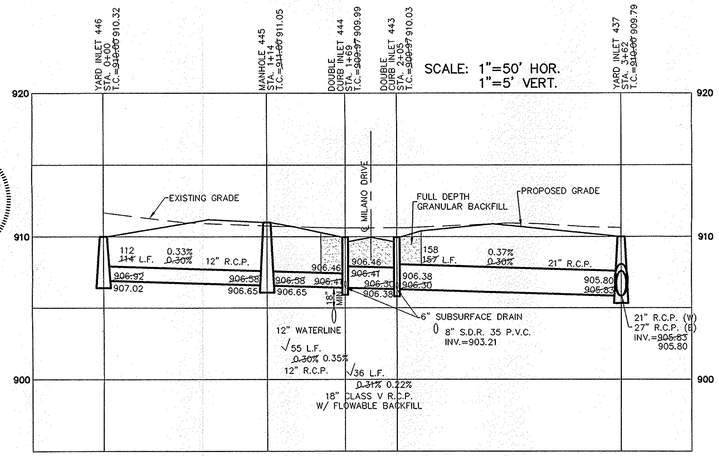

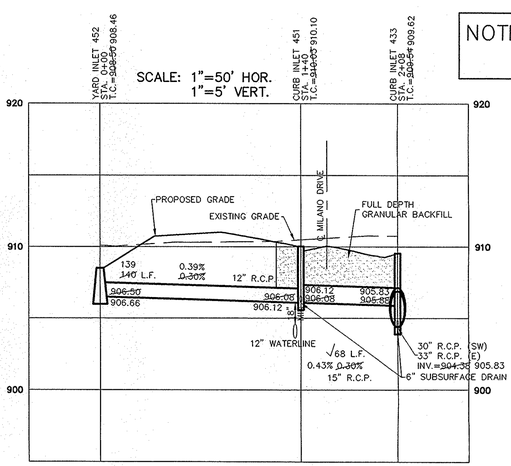

RECORD DRAWING

Jeffory W. Darling

10/12/05

JEFFORY W. DARLING — DATE
Registered Land Surveyor
No. 900017

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

NOTE: ALL CASTINGS SHALL BE LABELED "DUMP NO WASTE".

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Entry Date: Sept. 2009
Entered By: SLM

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BY	REVISIONS	MARK	DATE
KMC	AS-BUILTS		11/1/04
AAA	REVISED PER SURVEYOR'S COMMENTS		10/12/05
KMC	REVISED PER AGENCY COMMENTS	6	7/21/05
KMC	REVISED PER AGENCY COMMENTS		3/18/05
KMC	REVISED PER H.C.S.O. COMMENTS		2/2/05
KMC	REVISED PER AGENCY COMMENTS		1/6/05
KMC	REVISED PER AGENCY COMMENTS		12/8/04

DWN. BY KMC
CK. BY BKR
SCALE 1"=50'
DATE 11/1/04

CERTIFIED: 11/1/04

JAMES C. RINEHART IV REGISTERED No. 10200495 STATE OF INDIANA PROFESSIONAL ENGINEER

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

STORM SEWER PLAN & PROFILES
THE LAKES AT TOWNE ROAD
SECTION ONE
CARMEL INDIANA

SHEET NO. C600

JOB NO. 48700S1

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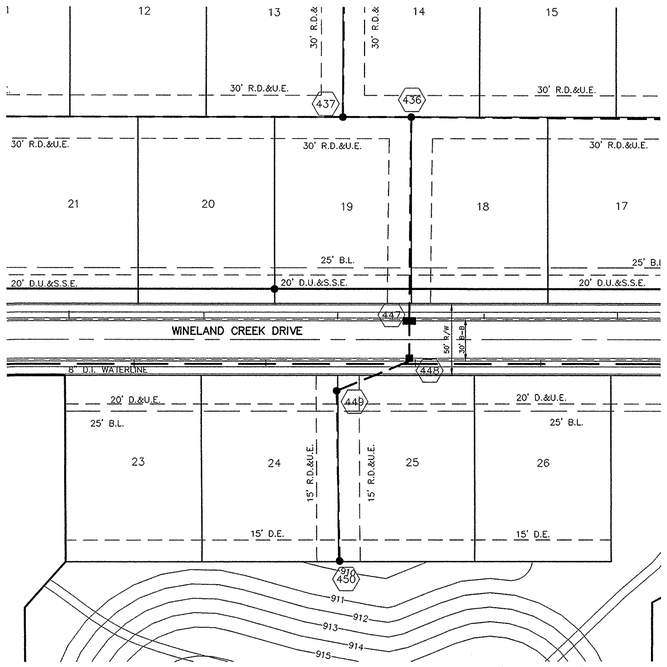

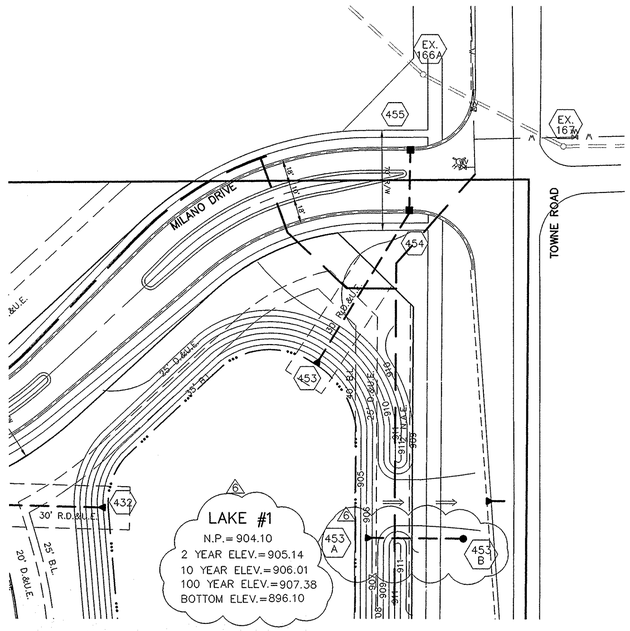

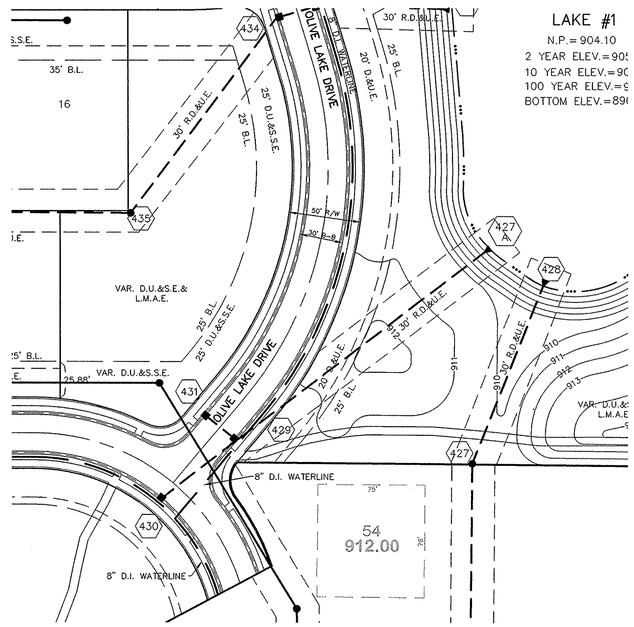

SCALE: 1"= 50'

JAMES O. RINEHART IV
REGISTERED
No. 10200495
STATE OF INDIANA
PROFESSIONAL ENGINEER

DWN. BY	CHK. BY	SCALE	DATE
KMC	BKR	1"= 50'	11/1/04

BY	REVISIONS	MARK	DATE
KMC	ADDRESS TO SURVEYOR'S COMMENTS	A	10/12/05
AAA	REVISED PER SURVEYOR'S COMMENTS		7/21/05
KMC	REVISED PER AGENCY COMMENTS		3/18/05
KMC	REVISED PER AGENCY COMMENTS		2/2/05
KMC	REVISED PER H.C.S.S.O. COMMENTS		1/5/05
KMC	REVISED PER AGENCY COMMENTS		12/9/04

CERTIFIED: 11/1/04

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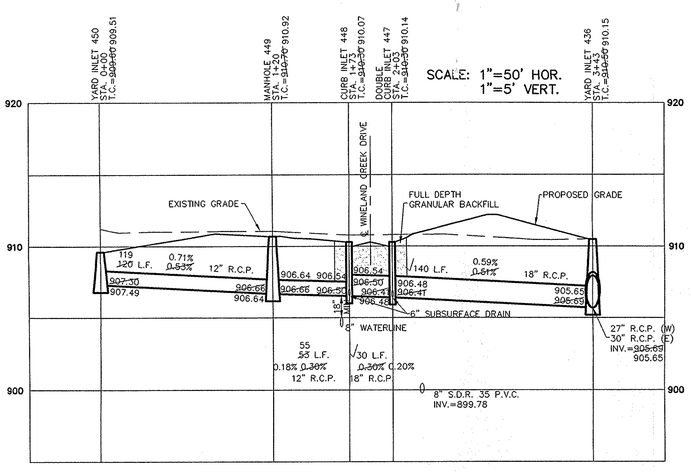
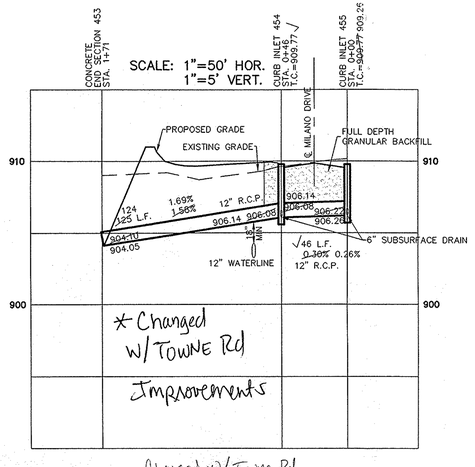
FISHERS INDIANA

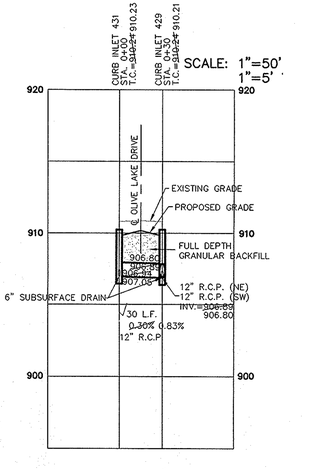
STORM SEWER PLAN & PROFILES
THE LAKES AT TOWNE ROAD SECTION ONE
CARMEL INDIANA

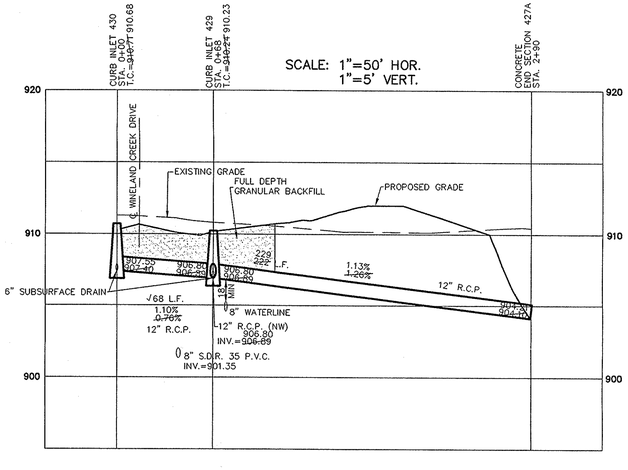
SHEET NO. C601

JOB NO. 48700S1









RECORD DRAWING

Jeffory W Darling

10/12/05

JEFFORY W. DARLING — DATE
Registered Land Surveyor
No. 900017

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

NOTE: ALL CASTINGS SHALL BE LABELED "DUMP NO WASTE".

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Entered By: SLM

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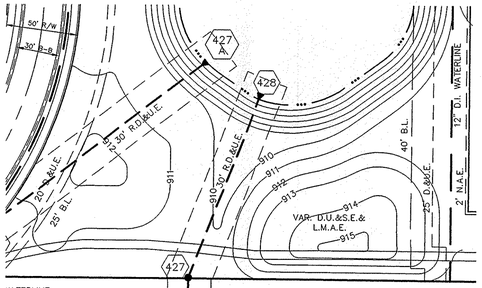

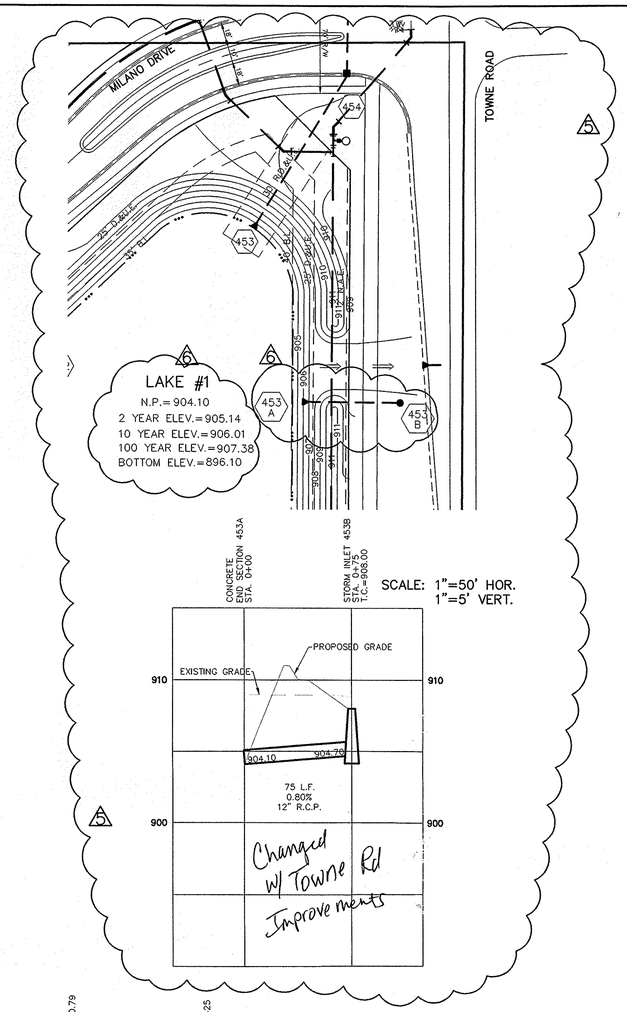

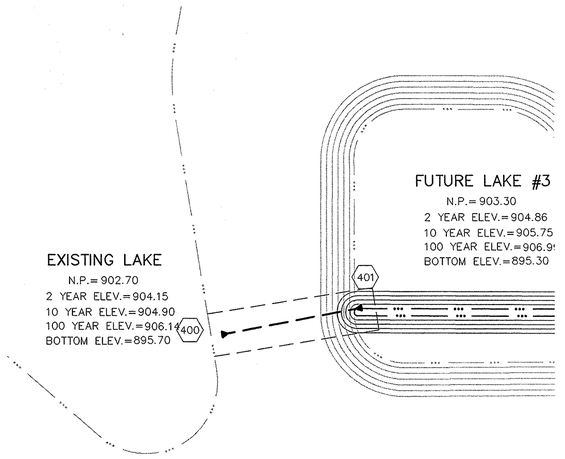

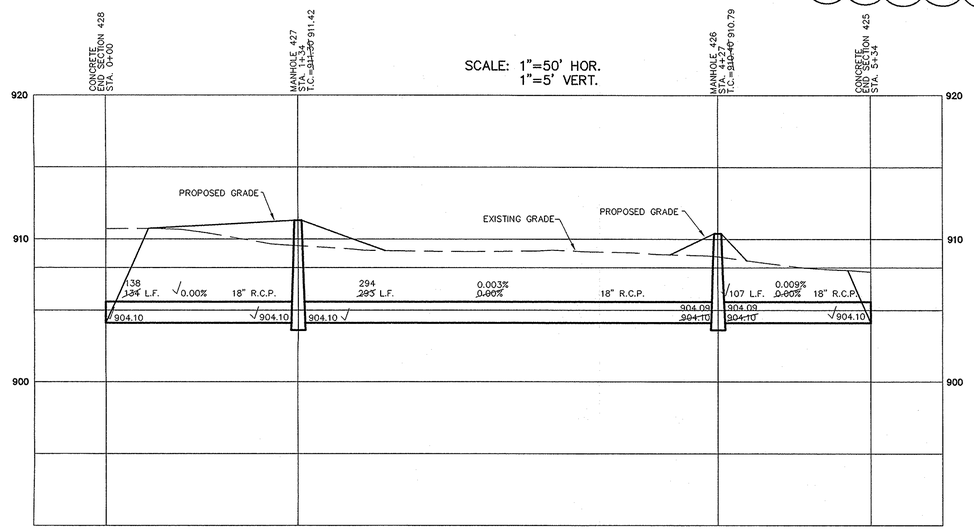

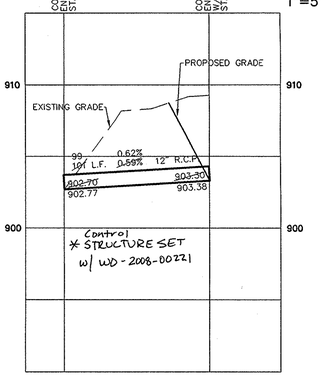

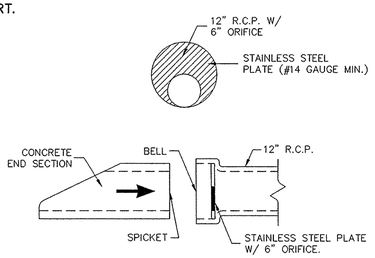

ORIFICE DETAIL
STRUCTURE 401
NOT-TO-SCALE

RECORD DRAWING

JEFFORY W. DARLING
Registered Land Surveyor
No. 900017

10/12/05
DATE

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

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SCALE: 1"= 50'

JAMES C. RINEHART IV REGISTERED No. 10200495 STATE OF INDIANA PROFESSIONAL ENGINEER

CERTIFIED: 11/1/04

BY	DATE	MARK	REVISIONS
AAA	10/12/05		AS BUILTS
KMC	7/21/05	A	REVISED PER SURVEYOR'S COMMENTS
KMC	7/05/05	A	ADDED A STORM PIPE
KMC	3/18/05		REVISED PER AGENCY COMMENTS
KMC	2/2/05		REVISED PER AGENCY COMMENTS
KMC	1/5/05		REVISED PER H.C.S.D. COMMENTS
KMC	12/8/04		REVISED PER AGENCY COMMENTS
KMC			

DRN. BY KMC
CK. BY BKR
SCALE 1"=50'
DATE 11/1/04

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FISHERS INDIANA

STORM SEWER PLAN & PROFILES
THE LAKES AT TOWNE ROAD
SECTION ONE
CARMEL INDIANA

SHEET NO. C602

JOB NO. 48700S1

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