

SURVEYOR'S OFFICE

# Hamilton County

June 30, 2015

*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

Re: Long Branch Drain, The Woods at Shelborne, Section 2 Arm

Attached is a petition filed by Pulte Homes of Indiana, LLC, along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for The Woods at Shelborne, Section 2 Arm, Long Branch 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:

12" RCP	689 ft.	24" RCP	586 ft.
15" RCP	817 ft.	27" RCP	20 ft.
18" RCP	145 ft.	30" RCP	175 ft.
21" RCP	155 ft.	36" RCP	72 ft.
		6" SSD	6,130 ft.

The total length of the drain will be 8,789 feet.

The retention pond (lake #2) located in Common Area F is not to be considered part of the regulated drain. Pond maintenance assumed by the Drainage Board shall only include the inlets and outlet as part of the regulated drain. The maintenance of the retention pond (lake) such as sediment removal and erosion control along the banks, mowing and aquatic vegetation maintenance and control will be the responsibility of the Homeowners Association. The Board will also retain jurisdiction for ensuring the storage volume for which the pond 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 in rear yards. Only the main SSD lines as described below, which are located within the easement or right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The portions of the SSD which will be regulated and maintained are as follows:

Curbline SSD in Streets:  
 Forrest Hills Way

Rear Yard SSDs:  
 Rear yard lots 103 & 104 Str. 526 to riser

Forrest Ridge Drive  
Lost Springs Road

Rear yard lots 106 & 107 from riser to outlet  
Rear yard lots 108 & 109 from Str. 540A to riser  
Rear yard lot 110 from Str. 540A to riser  
Rear yard lots 115 & 116 from Str. 547 to riser  
Rear yard lots 113 & 114 from Str. 537 to riser  
Rear yard lot 112 from Str. 533 to Str 537  
Rear yard lot 111 from Str. 533 to Str 534  
Rear yard lots 118 & 119 from Str. 534 to Str 535  
Rear yard lots 119 & 120 from Str. 535 to Str 536  
Rear yard lots 120 & 125 from Str. 536 to Str 544

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 common areas, and \$10.00 per acre for roadways. With this assessment the total annual assessment for this drain will be \$1,882.80.

The petitioner has not submitted surety for the proposed drain at this time. Surety shall be submitted prior to the commencement of construction.

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 will be for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for The Woods of Shelborne, Section 2 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for September 28, 2015.



Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA )  
 )  
COUNTY OF HAMILTON )

**FILED**

**JUL 16 2015**

OFFICE OF HAMILTON COUNTY SURVEYOR

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

In the matter of                     The Woods of Shelborne                     Subdivision, Section  
                    1 & 2                     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 Woods of Shelborne, Sec. 1 & 2          , 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**

  
Signed \_\_\_\_\_

MATTHEW D. LOTHMEYER  
Printed Name \_\_\_\_\_

FOR PULTE HOMES OF INDIANA, LLC  
Date \_\_\_\_\_

7/6/15  
Date \_\_\_\_\_

Signed \_\_\_\_\_

Printed Name \_\_\_\_\_

Date \_\_\_\_\_

Signed \_\_\_\_\_

Printed Name \_\_\_\_\_

Date \_\_\_\_\_

Signed \_\_\_\_\_

Printed Name \_\_\_\_\_

Date \_\_\_\_\_

FINDINGS AND ORDER

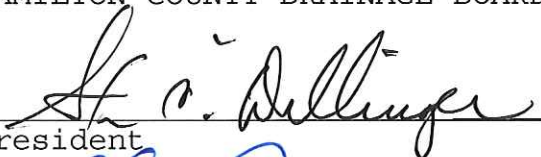
CONCERNING THE MAINTENANCE OF THE

Long Branch Drain, The Woods at Shelborne Section 2 Arm

On this 28<sup>th</sup> day of September, 2015, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Long Branch Drain, The Woods at Shelborne Section 2 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:   
Executive Secretary



**STOEPPELWERTH**

ALWAYS ON

ofc: 317.849.5935  
fax: 317.849.5942

7965 East 106th Street  
Fishers, IN 46038-2505  
www.stoepelwerth.com

September 14, 2016

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

Attention: Greg Hoyes

Re: The Woods at Shelborne, Section 2

Dear Mr. Hoyes:

On behalf of the developer Pulte Homes of Indiana, enclosed please find an Engineer's Estimate for The Woods at Shelborne, Section 2. The estimate is as follows:

**FILED**  
**SEP 16 2016**  
OFFICE OF HAMILTON COUNTY SURVEYOR

### The Woods at Shelborne, Section 2

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Contract Amount</u>	<u>Performance Bond</u>
<b>Storm Sewer</b>				<b>\$ 262,539.60</b>	120% <b>\$315,047.52</b>
12" Pipe	689.00	LF	\$ 28.00	\$ 19,292.00	
15" Pipe	817.00	LF	\$ 30.00	\$ 24,510.00	
18" Pipe	145.00	LF	\$ 34.00	\$ 4,930.00	
21" Pipe	155.00	LF	\$ 39.00	\$ 6,045.00	
24" Pipe	586.00	LF	\$ 44.00	\$ 25,784.00	
27" Pipe	24.00	LF	\$ 48.00	\$ 1,152.00	
30" Pipe	175.00	LF	\$ 53.00	\$ 9,275.00	
36" Pipe	72.00	LF	\$ 68.00	\$ 4,896.00	
12" ES	1.00	Each	\$ 825.00	\$ 825.00	
15" ES	1.00	Each	\$ 950.00	\$ 950.00	
15" TR Grate	1.00	Each	\$ 500.00	\$ 500.00	
36" ES	1.00	Each	\$ 2,500.00	\$ 2,500.00	
Water Quality Unit	1.00	Each	\$40,000.00	\$ 40,000.00	

**LAND DEVELOPMENT SUPPORT SOLUTIONS**

ENGINEERING | SURVEYING

Hamilton County Surveyor  
Greg Hoyes  
September 14, 2016  
Page 2 of 2

Standard MH	1.00	Each	\$ 3,500.00	\$ 3,500.00
Large MH	4.00	Each	\$ 4,300.00	\$ 17,200.00
Inlet	18.00	Each	\$ 2,350.00	\$ 42,300.00
Granular Backfill	150.00	Ton	\$ 13.00	\$ 1,950.00
SSD Under Curb	3,909.00	LF	\$ 8.20	\$ 32,053.80
SSD in Swale	2,392.00	LF	\$ 10.40	\$ 24,876.80

<b>Monumentation</b>				<b>\$ 4,650.00</b>	120%	<b>\$ 5,580.00</b>
Lot Corners	25.00	Lots	\$ 100.00	\$ 2,500.00		
Centerline	10.00	Each	\$ 170.00	\$ 1,700.00		
Concrete Monuments	2.00	Each	\$ 225.00	\$ 450.00		

If you have any questions regarding these estimates, please contact Brian K. Robinson at (317) 570-4763.

Very truly yours,

STOEPPELWERTH & ASSOCIATES, INC.



David J. Stoepfelwerth, P.E.  
Professional Engineer  
No. 19358



Cc: Mason McQuinn

BKR/meb

S:\65795PUL\Blue\_Book\Agency\_Correspondence\HamiltonCountySurveyorHoyesEE(S2)09-14-16.doc





Bond No. K08446337

**PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS, that Pulte Homes of Indiana, LLC of 11590 N. Meridian, Suite 530, Carmel IN 46032 as Principal, and Westchester Fire Insurance Company a corporation organized and existing under the laws of the State of Pennsylvania and authorized to transact business in the state of Indiana, as Surety, are held and firmly bound unto the City of Carmel, One Civic Square, Carmel IN 46032 as Obligee, in the penal sum of five thousand five hundred sixty eight and 00/100 (\$5,568.00) for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has agreed to construct or have constructed, monumentation in The Woods at Shelborne – Section 1.

NOW, THEREFORE, the condition of this obligation is such that if said Principal shall well and truly perform said work in accordance with said standards, then this obligation shall be void, otherwise to remain in full force and effect.

Signed, sealed and dated this 27th day of March, 2015.

Pulte Homes of Indiana, LLC

\_\_\_\_\_  
Bryce Langen, Assistant Treasurer

Westchester Fire Insurance Company

\_\_\_\_\_  
Jessica Hollaender, Attorney-in-Fact



FILE COPY

# Power of Attorney

## WESTCHESTER FIRE INSURANCE COMPANY

Know all men by these presents That WESTCHESTER FIRE INSURANCE COMPANY, a corporation of the Commonwealth of Pennsylvania pursuant to the following Resolution, adopted by the Board of Directors of the said Company on December 11, 2006, to wit:

RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
- (2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such person's written appointment as such attorney-in-fact.
- (3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (4) Each of the Chairman, the President and Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested.

Does hereby nominate, constitute and appoint Jessica Hollander, Teresa Varns, Virginia Erickson, all of the City of PHOENIX, Arizona, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof in penalties not exceeding Fifteen million dollars & zero cents (\$15,000,000.00) and the execution of such writings in pursuance of these presents shall be as binding upon said Company, as fully and amply as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office.

IN WITNESS WHEREOF, the said Stephen M. Haney, Vice President, has hereunto subscribed his name and affixed the Corporate seal of the said WESTCHESTER FIRE INSURANCE COMPANY this 15 day of September 2014.

WESTCHESTER FIRE INSURANCE COMPANY



*Stephen M. Haney*  
Stephen M. Haney, Vice President

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF PHILADELPHIA

On this 15 day of September, AD. 2014 before me, a Notary Public of the Commonwealth of Pennsylvania in and for the County of Philadelphia came Stephen M. Haney, Vice-President of the WESTCHESTER FIRE INSURANCE COMPANY to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company; that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
KAREN E. BRANDT, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires September 30, 2014

*Karen E. Brandt*  
Notary Public

I, the undersigned Assistant Secretary of the WESTCHESTER FIRE INSURANCE COMPANY, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a substantially true and correct copy, is in full force and effect.

In witness whereof, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of the Corporation, this 27 day of March 2015



*William L. Kelly*  
William L. Kelly, Assistant Secretary

THIS POWER OF ATTORNEY MAY NOT BE USED TO EXECUTE ANY BOND WITH AN INCEPTION DATE AFTER September 15, 2016.

Super Sasey® ANTI-FRAUD PROTECTION  
FORM NO. 8800S





Bond No. K08446349

**PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS, that Pulte Homes of Indiana, LLC of 11590 N. Meridian, Suite 530, Carmel IN 46032 as Principal, and Westchester Fire Insurance Company a corporation organized and existing under the laws of the State of Pennsylvania and authorized to transact business in the state of Indiana, as Surety, are held and firmly bound unto the Hamilton County Board of Commissioners, One Hamilton County Square, Noblesville IN 46060 as Obligee, in the penal sum of three hundred sixty three thousand one hundred seventy two and 80/100 (\$363,172.80) for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has agreed to construct or have constructed, storm sewer improvements in The Woods at Shelborne – Section 1.

NOW, THEREFORE, the condition of this obligation is such that if said Principal shall well and truly perform said work in accordance with said standards, then this obligation shall be void, otherwise to remain in full force and effect.

Signed, sealed and dated this 27th day of March, 2015.

Pulte Homes of Indiana, LLC

\_\_\_\_\_  
Bryce Langen, Assistant Treasurer

Westchester Fire Insurance Company

\_\_\_\_\_  
Jessica Hollaender, Attorney-in-Fact

FILE COPY

# Power of Attorney

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RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into in the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
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- (3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
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- (5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested.

Does hereby nominate, constitute and appoint Jessica Hollaender, Terese Varns, Virginia Erickson, all of the City of PHOENIX, Arizona, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof in penalties not exceeding Fifteen million dollars & zero cents (\$15,000,000.00) and the execution of such writings in pursuance of these presents shall be as binding upon said Company, as fully and amply as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office.

IN WITNESS WHEREOF, the said Stephen M. Haney, Vice-President, has hereunto subscribed his name and affixed the Corporate seal of the said WESTCHESTER FIRE INSURANCE COMPANY this 13 day of September 2014.

WESTCHESTER FIRE INSURANCE COMPANY



*Stephen M. Haney*

Stephen M. Haney, Vice President

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF PHILADELPHIA

ss.  
On this 13 day of September, AD 2014 before me, a Notary Public of the Commonwealth of Pennsylvania in and for the County of Philadelphia came Stephen M. Haney, Vice-President of the WESTCHESTER FIRE INSURANCE COMPANY to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company; that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
KAREN E. BRANDT, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires September 26, 2014

*Karen E. Brandt*  
Notary Public

I, the undersigned Assistant Secretary of the WESTCHESTER FIRE INSURANCE COMPANY, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a substantially true and correct copy, is in full force and effect.

In witness whereof, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of the Corporation, this 27 day of March 2015



*William L. Kelly*  
William L. Kelly, Assistant Secretary

THIS POWER OF ATTORNEY MAY NOT BE USED TO EXECUTE ANY BOND WITH AN INCEPTION DATE AFTER September 15, 2016.

Super Security® ANTI-FRAUD PROTECTION  
FORM NO. 8800S



**FILED**

**APR 13 2015**



OFFICE OF HAMILTON COUNTY SURVEYOR

**BOND RIDER**

HCDB-2015-00017

To: Hamilton County Board of Commissioners

To be attached to and form part of Bond No. **K08446337**

issued by Westchester Fire Insurance Company on behalf of:

**Pulte Homes of Indiana, LLC**

It is agreed and understood that the Principal Name shall be amended to read as:

Hamilton County Board of Commissioners

This coverage is to be effective: March 27<sup>th</sup>, 2015

Signed, sealed and dated: April 10<sup>th</sup>, 2015

Westchester Fire Insurance Company

By   
**Jessica Hollaender**, Attorney in Fact

**Broker of Record:**

**Wells Fargo Insurance Services USA, Inc.**  
**100 West Washington Street, 4<sup>th</sup> Floor**  
**Phoenix, AZ 85003-1808**  
**602-528-3061**

# Power of Attorney

## WESTCHESTER FIRE INSURANCE COMPANY

FILE COPY

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FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested.

Does hereby nominate, constitute and appoint Jessica Hollaender, Teresa Varns, Virginia Erickson, all of the City of PHOENIX, Arizona, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof in penalties not exceeding Fifteen million dollars & zero cents (\$15,000,000.00) and the execution of such writings in pursuance of these presents shall be as binding upon said Company, as fully and amply as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office,

IN WITNESS WHEREOF, the said Stephen M. Haney, Vice-President, has hereunto subscribed his name and affixed the Corporate seal of the said WESTCHESTER FIRE INSURANCE COMPANY this 15 day of September 2014.

WESTCHESTER FIRE INSURANCE COMPANY



*Stephen M. Haney*  
Stephen M. Haney, Vice President

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF PHILADELPHIA ss.

On this 15 day of September, AD. 2014 before me, a Notary Public of the Commonwealth of Pennsylvania in and for the County of Philadelphia came Stephen M. Haney, Vice-President of the WESTCHESTER FIRE INSURANCE COMPANY to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company; that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL:  
KAREN E. BRANDT, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires September 26, 2014

*Karen E. Brandt*  
Notary Public

I, the undersigned Assistant Secretary of the WESTCHESTER FIRE INSURANCE COMPANY, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a substantially true and correct copy, is in full force and effect.

In witness whereof, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of the Corporation, this 10 day of April 2015.



*William L. Kelly*  
William L. Kelly, Assistant Secretary

THIS POWER OF ATTORNEY MAY NOT BE USED TO EXECUTE ANY BOND WITH AN INCEPTION DATE AFTER September 15, 2016.

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF

*Long Branch Drain, The Woods at Shelborne Section 2 Arm*

NOTICE

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

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Long Branch Drain, The Woods at Shelborne Section 2 Arm** on **September 28, 2015** 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

**Long Branch Drain, The Woods at Shelborne Section 2 Arm**

NOTICE

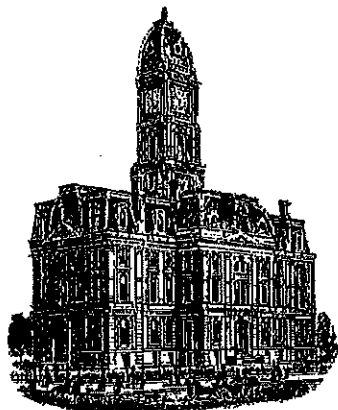
Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **September 28, 2015** has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. 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

KCW



*Kenton C. Ward, CFM*  
*Surveyor of Hamilton County*  
*Phone (317) 776-8495*  
*Tax (317) 776-9628*

*Suite 188*  
*One Hamilton County Square*  
*Noblesville, Indiana 46060-2230*

**To: Hamilton County Drainage Board**

**November 29, 2017**

**Re: Long Branch Drain: The Woods at Shelborne Sec. 2**

Attached are as-built, certificate of completion & compliance, and other information for Woods at Shelborne Sec. 2. 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 June 30, 2015. The report was approved by the Board at the hearing held September 28, 2015. (See Drainage Board Minutes Book 16, Pages 302-304) The changes are as follows: the 12" RCP was lengthened from 689 to 692 feet. The 15" RCP was shortened from 817 to 816 feet. The 18" RCP was lengthened from 145 to 147 feet. The 21" RCP was lengthened from 155 to 156 feet. The 24" RCP was lengthened from 586 to 588 feet. The 30" RCP was lengthened from 175 to 179 feet. The 36" RCP was shortened from 72 to 63 feet. The 6" SSD was shortened from 6,130 to 6,114 feet. The length of the drain due to the changes described above is now **8,775 feet**.

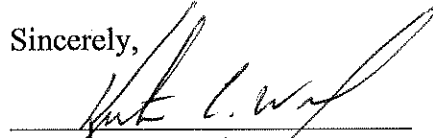
The non-enforcement was approved by the Board at its meeting on September 28, 2015 and recorded under instrument #2017037160.

The following sureties were guaranteed by Westchester Fire Insurance Company and released by the Board on its November 13, 2017 meeting.

Bond-LC No: K08446349  
Amount: \$363,172.80  
For: Storm Sewers  
Issue Date: March 27, 2015

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

Sincerely,



---

Kenton C. Ward, CFM  
Hamilton County Surveyor


CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: The Woods At Shelborne, Section 2

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.

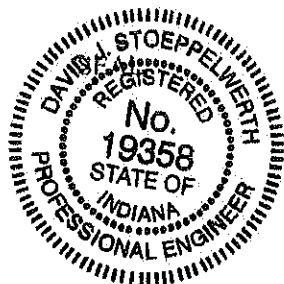
Signature:  Date: August 7, 2017

Type or Print Name: David J. Stoepfelwerth

Business Address: Stoepfelwerth & Associates, Inc.

7965 East 106th Street, Fishers, Indiana 46038

Telephone Number: (317) 849-5935



INDIANA REGISTRATION NUMBER

19358

# The Woods At Shelborne, Section 2 With Clearing & Demolition

**Developed by:**  
**PULTE HOMES OF INDIANA, LLC.**  
**11590 NORTH MERIDIAN STREET,**  
**SUITE 530**  
**CARMEL, INDIANA 46032**  
**PHONE: (317) 575-2350**  
**CONTACT PERSON: MATT LOHMEYER**

**OWNER:**  
**PULTE HOMES OF INDIANA, LLC.**  
**11590 NORTH MERIDIAN STREET,**  
**SUITE 530**  
**CARMEL, INDIANA 46032**  
**PHONE: (317) 575-2350**  
**CONTACT PERSON: MATT LOHMEYER**

**OPERATOR ON N.O.I. LETTER:**  
**PULTE HOMES**  
**11590 NORTH MERIDIAN STREET, SUITE 530**  
**CARMEL, INDIANA 46032**  
**PHONE: (317) 575-2350**  
**CONTACT PERSON: MASON McQUINN**

**UTILITY CONTACTS:**

Clay Township Regional Waste District  
 10701 College Avenue  
 Indianapolis, Indiana 46280

Duke Energy  
 16475 Southpark Drive  
 Westfield, Indiana 46074

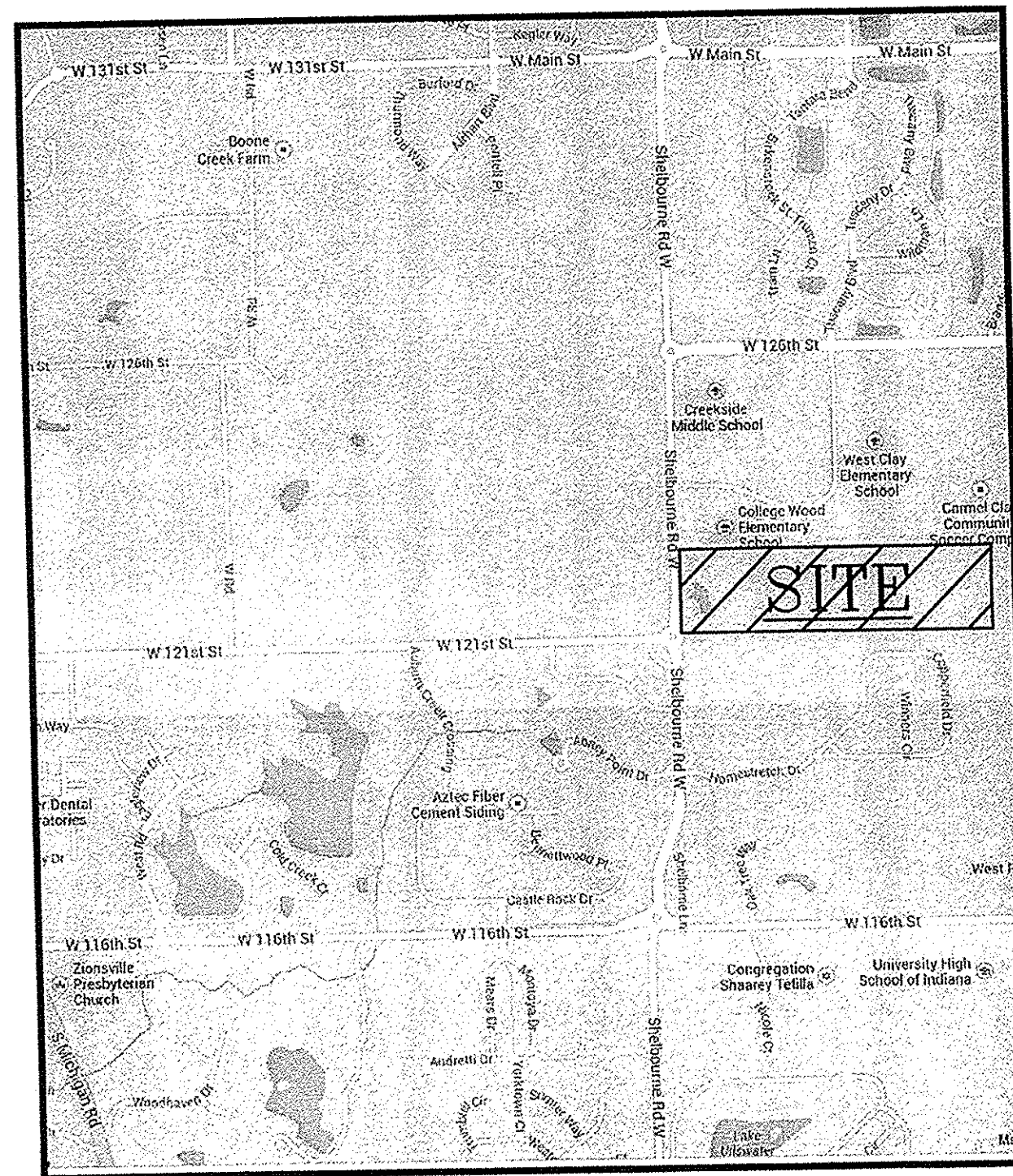
Carmel Water Utilities  
 3450 West 13th Street  
 Westfield, IN 46074

Indianapolis Power & Light Company  
 3600 North Arlington Avenue  
 Indianapolis, Indiana 46218

AT & T  
 5858 North College Avenue  
 Indianapolis, Indiana 46220

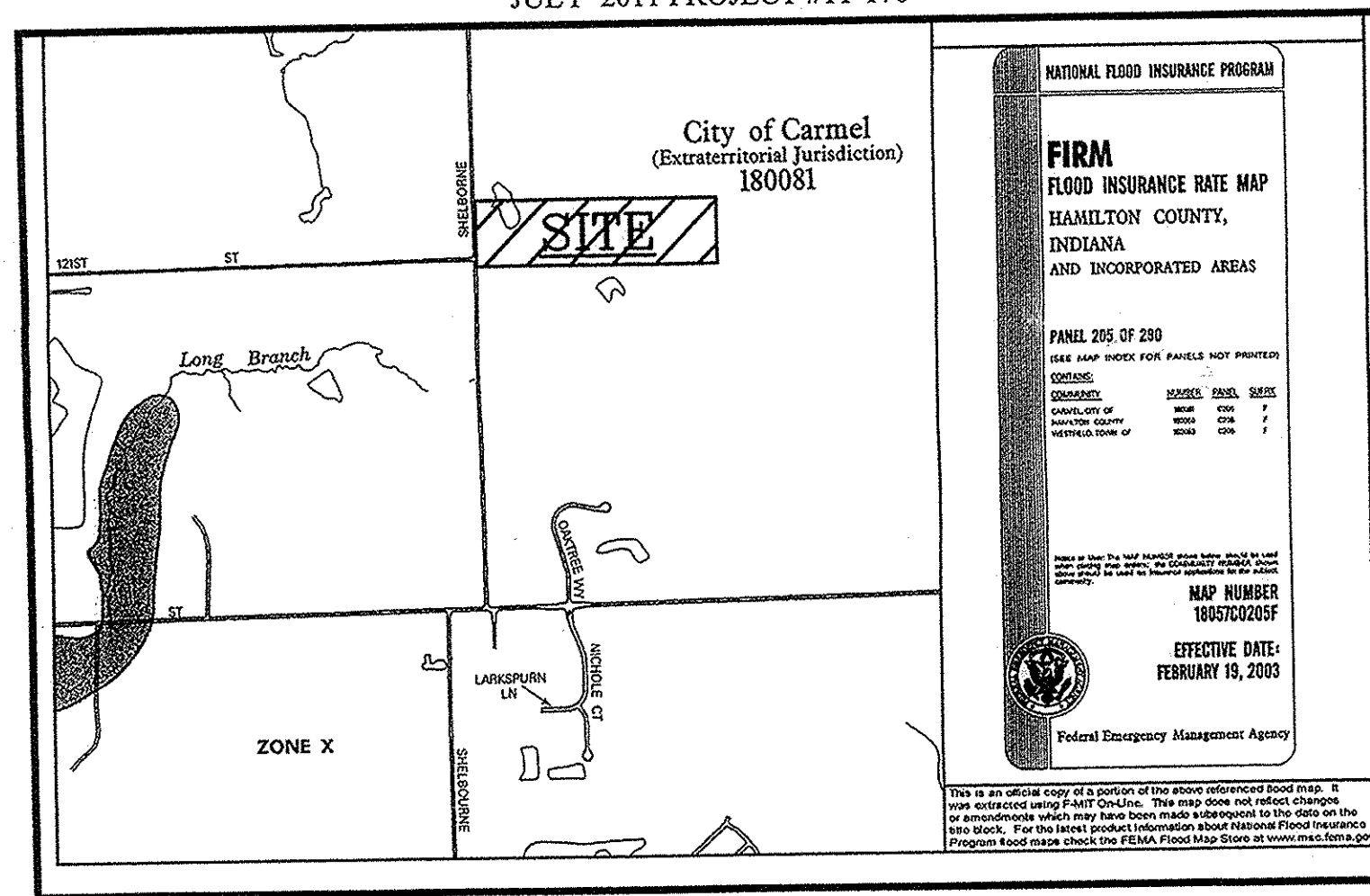
Vectren Energy  
 16000 Allisonville Road  
 Noblesville, Indiana 46060

Brighthouse Networks  
 3030 Roosevelt Avenue  
 Indianapolis, Indiana 46218



VICINITY MAP  
NOT TO SCALE

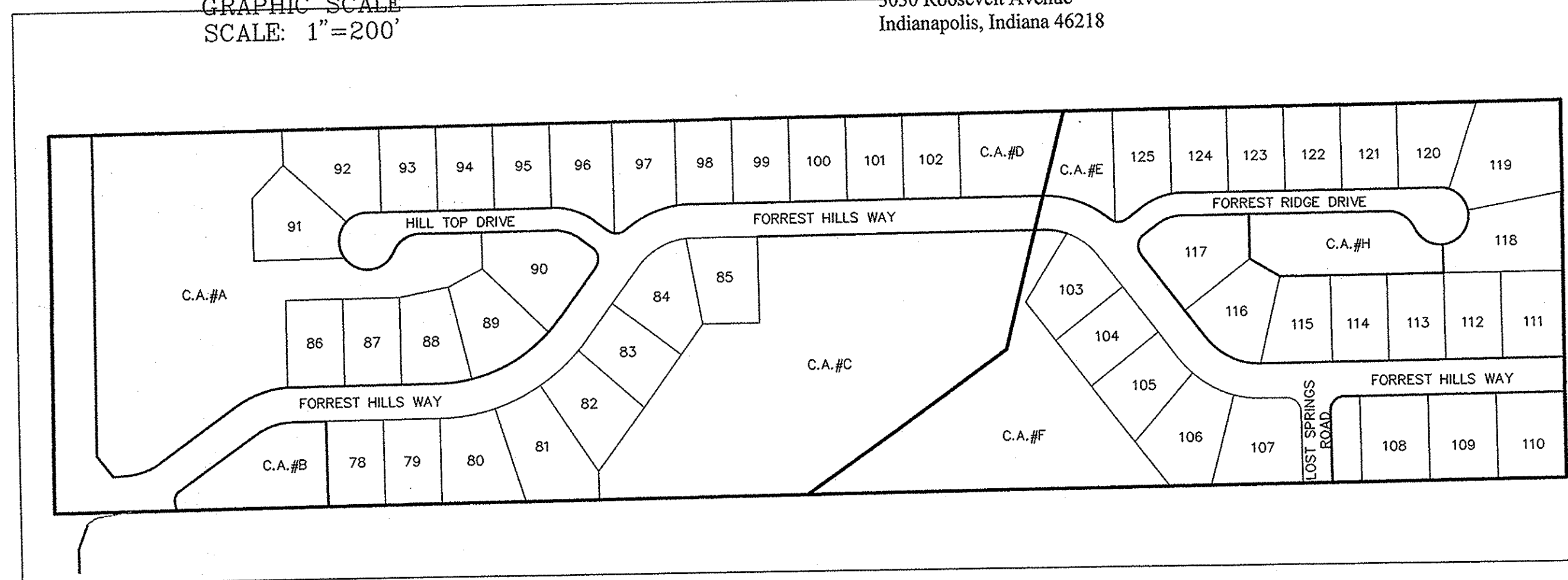
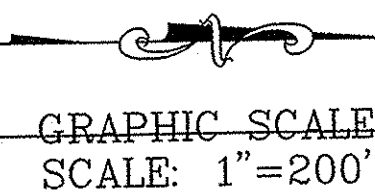
**FLOOD STATEMENT**  
 THIS SITE DOES NOT LIE WITHIN A FLOODWAY OR FLOOD PLAIN PER LONG BRANCH HYDRAULIC ANALYSIS PERFORMED BY CHRISTOPHER B. BURKE ENGINEERING, Ltd. PROJECT DATED JULY 2011 PROJECT #11-176



FEMA MAP  
NOT TO SCALE

SHT.	DESCRIPTION
C001	TITLE SHEET
C100-C102	TOPOGRAPHICAL SURVEY
C200-C206	SITE DEVELOPMENT PLAN/EMERGENCY FLOOD ROUTE PLAN/UTILITY PLAN
C300-C309A	EROSION CONTROL PLAN/SWPP DETAILS AND SPECIFICATIONS
C400-C408	STREET PLAN & PROFILE/ENTRANCE DETAILS/TRAFFIC CONTROL PLAN/MAINTENANCE OF TRAFFIC/PAVING POLICY/CONCRETE CURB POLICY
C500-C503	SANITARY SEWER PLAN AND PROFILES
C600-C606	STORM SEWER PLAN AND PROFILES/SUMP PLANS
C700-C702	WATER PLAN
C800-C805	CONSTRUCTION DETAILS AND SPECIFICATIONS SANITARY SEWER STORM SEWER STREET/ADA RAMP
S1-S2	BOX CULVERT DETAILS & SPECIFICATIONS
TL-3	CABLE BARRIER SYSTEM

SHT.	DESCRIPTIONS
ALL	REVISED PER TAC COMMENTS - 07/18/2014 -JSM
ALL	REVISED PER CROSSROADS AND CITY OF CARMEL COMMENTS - 09/08/2014 -JSM
C200, C201 & C400, C401 & C500-C503 & C800	REVISED PER CTRWD COMMENTS - 10/06/2014 -JSM
ALL	REVISED PER EROSION COMMENTS - 12/10/2014 -JSM
C200-C201 & C600-C602	SECTION 1 AS BUILTS - 10/29/2015 -KJMM
ALL	SECTION 2 AS BUILTS - 07/19/17 - CCE

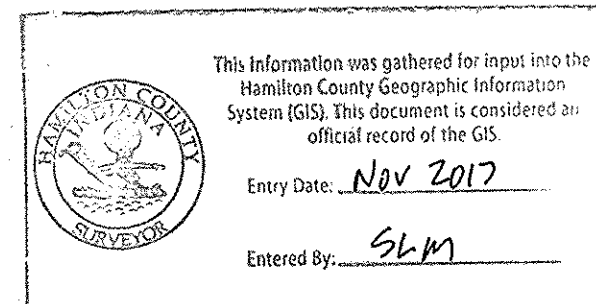


WOODS AT SHELBORNE  
SECTION ONE

I, the undersigned Registered Land Surveyor hereby certify that the included plot correctly represents a subdivision A part of the Northwest quarter of Section 32, Township 18 North, Range 3 East, Clay Township, Hamilton County, Indiana more particularly described as follows:

Commencing at the Southwest corner of the Northwest Quarter of said Section 32, thence North 00 degrees 05 minutes 12 seconds East 660.00 feet along the West line of said Quarter Section; thence North 89 degrees 28 minutes 29 seconds East 40.00 feet to the East Right-of-Way of Shelborne Road and the POINT OF BEGINNING of this description; thence North 89 degrees 28 minutes 29 seconds East 1,705.00 feet to the approximate centerline of an Open Ditch (Long Branch Drain & JW Bendel Drain); thence along the centerline of said Waterway by the next three (3) courses: 1) South 15 degrees 08 minutes 28 seconds East 429.29 feet; 2) South 56 degrees 49 minutes 17 seconds West 380.87 feet; 3) South 79 degrees 18 minutes 53 seconds West 178.07 feet to the South line of said Quarter Section; thence South 89 degrees 28 minutes 29 seconds East 1065.00 feet to said East Right-of-Way of Shelborne Road; thence along the East Right-of-Way line by the next three (3) courses: 1) North 00 degrees 05 minutes 32 seconds East 33.83 feet; 2) North 14 degrees 51 minutes 40 seconds West 77.62 feet; 3) North 00 degrees 05 minutes 12 seconds East 550.96 feet to the place of beginning, containing 23.511 acres more or less.

This subdivision consists of 25 lots numbered 78 - 102, (all inclusive) and 4 Common Areas labeled Common Area "A", "B", "C", and "D" (all inclusive). The size of lots and width of street are shown in feet and decimal parts thereof.



WOODS AT SHELBORNE  
SECTION TWO

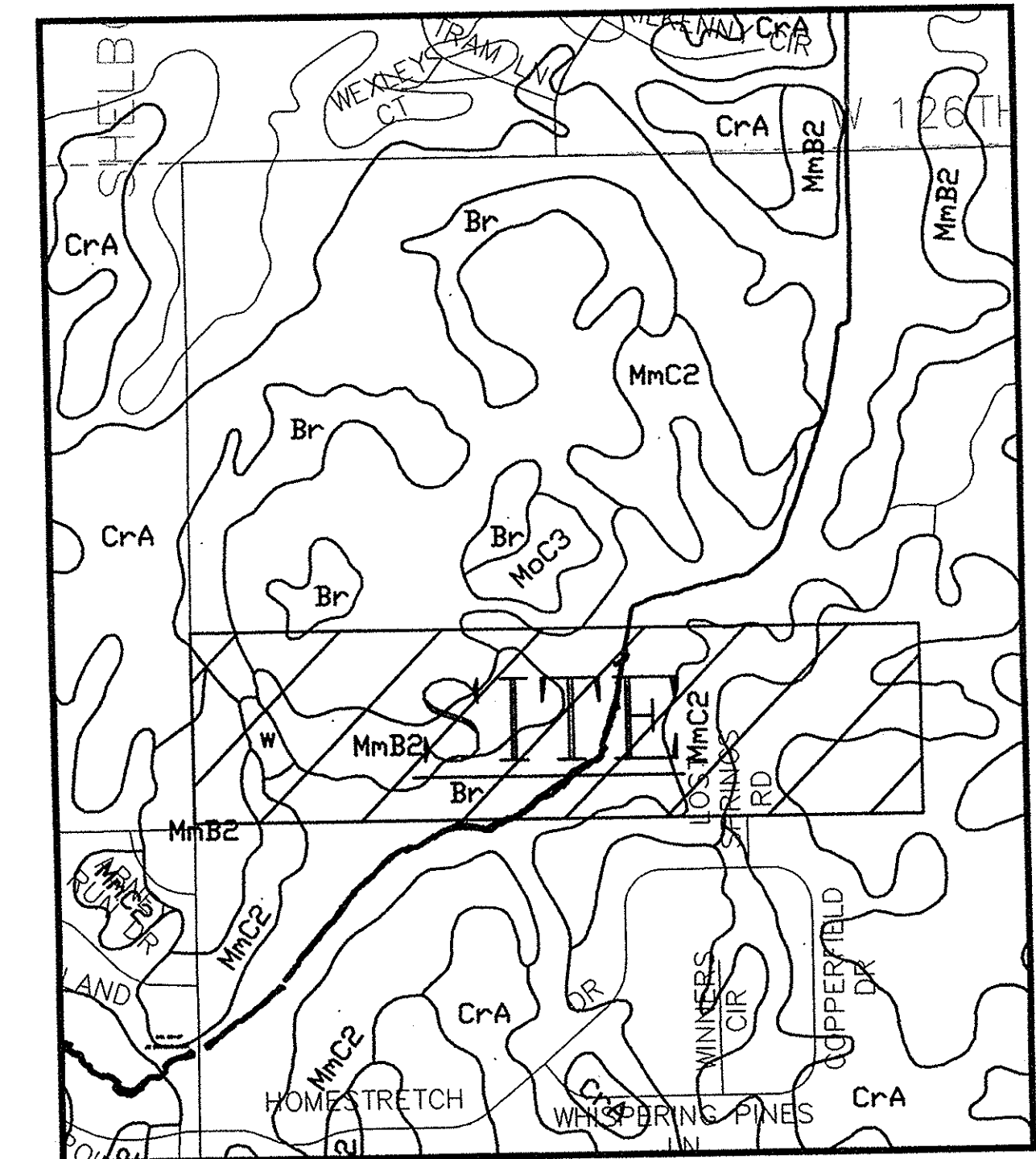
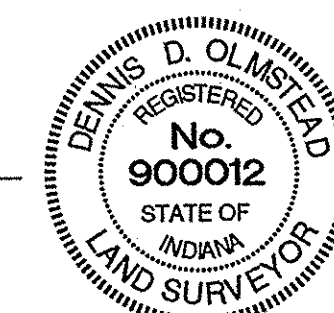
I, the undersigned Registered Land Surveyor hereby certify that the included plot correctly represents a part of the Northwest quarter of Section 32, Township 18 North, Range 3 East, Clay Township, Hamilton County, Indiana more particularly described as follows:

Commencing at the Southwest corner of the Northwest Quarter of said Section 32, thence North 00 degrees 05 minutes 12 seconds East 660.00 feet along the West line of said Quarter Section; thence North 89 degrees 28 minutes 29 seconds East 1,745.00 feet to the approximate centerline of an Open Ditch (Long Branch Drain & JW Bendel Drain) and the POINT OF BEGINNING of this description; thence North 89 degrees 28 minutes 29 seconds East 911.53 feet to the East line of said Quarter Section; thence South 00 degrees 02 minutes 49 seconds West 660.00 feet along said East line to the Southeast corner of said Quarter Section; thence South 89 degrees 28 minutes 29 seconds West 1,531.97 feet along the South line of said Quarter Section to the approximate centerline of an Open Ditch (Long Branch Drain & JW Bendel Drain); thence along the centerline of said Waterway by the next three (3) courses: 1) North 79 degrees 18 minutes 53 seconds East 178.07 feet; 2) North 56 degrees 49 minutes 17 seconds East 398.87 feet; 3) North 15 degrees 08 minutes 28 seconds East 429.29 feet to the place of beginning, containing 16.102 acres more or less.

This subdivision consists of 23 lots numbered 103 - 125, (all inclusive) and 4 Common Areas labeled Common Area "E", "F", "G", and "H" (all inclusive). The size of lots and width of street are shown in feet and decimal parts thereof.

## SECTION 2 RECORD DRAWING

Dennis D. Olmstead  
 Registered Land Surveyor  
 No. 900012



SOILS MAP  
NOT TO SCALE

Map Unit Br - Brookston silty clay loam  
 This poorly drained soil has a seasonal high water table above the surface or within 1.0 ft. and is in depressions. Slopes are 0 to 2 percent. The native vegetation is water tolerant grasses and hardwoods. The surface layer is silty clay loam and has moderate or high organic matter content (2.0 to 5.0 percent). Permeability is moderately slow (0.2 to 0.6 in/hr) in the most restrictive layer above 60 inches. Available water capacity is high (10.0 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 6.1 to 7.3. This soil is hydric. Wetness is a management concern for crop production. This soil responds well to the drainage.

Map Unit CrA - Crosby silt loam, 0 to 2 percent slopes  
 This is a somewhat poorly drained soil and has a seasonal high water table at 0.5 to 2.0 ft. and is on rises on uplands. Slopes are 0 to 2 percent. The native vegetation is hardwoods. The surface layer is moderate (6.2 inches in the upper 60 inches). Permeability is very slow (<0.06 in/hr) in the most restrictive layer above 60 inches. Available water capacity is moderate (6.2 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 5.1 to 6.0. Droughtiness and wetness are management concerns for crop production. This soil responds well to the drainage.

MmB2 - Miami silt loam, 2 to 6 percent slopes, eroded  
 This gently sloping, deep, well drained soil is on rises on till plains and along drainage ways and streams. The mapped areas range from 3 to 25 acres in size. In a typical profile the surface layer is dark grayish brown silt loam about 7 inches thick. The subsoil is dark yellowish brown and brown, firm clay loam about 23 inches thick. The substratum, to a depth of 60 inches, is yellowish brown loam that contains free carbonates. In a few areas the lower part of the subsoil is stratified sandy loam, loamy sand and sandy clay loam. The depth to till is more than 40 inches in some areas. Included with this soil in mapping are small areas of Crosby soils, small areas of severely eroded soils that have a surface layer of clay loam, small areas of soils have slopes of more than 6 percent, and small areas of soils that have gravel and cobbles on the surface.

MnC2 - Miami silt loam, 6 to 12 percent slopes  
 This moderate sloping, deep, well drained soil is on knobs and breaks along streams and drainage ways on uplands. The mapped areas are irregular in shape and range from 1 to 25 acres in size. In a typical profile the surface layer is brown silt loam about 5 inches thick. The subsoil is brown or dark yellowish brown, firm clay loam about 22 inches thick. The substratum, to a depth of 60 inches, is yellowish brown catersauce loam. In many areas the solum is less than 24 inches thick. In some areas the subsoil is redder and contains more gravel.

**DESIGN DATA**

DESIGN SPEED =	25 M.P.H.
HILL TOP DRIVE	498.93 L.F.
FORREST HILLS WAY	2942.77 L.F.
FORREST RIDGE DRIVE	626.66 L.F.
LOST SPRINGS ROAD	180.00 L.F.
<b>TOTAL</b>	<b>4,248.36 L.F.</b>

**OPERATING AUTHORITY**  
 CITY OF CARMEL ONE (317) 571-2441  
 CIVIC SQUARE CARMEL,  
 INDIANA 46032

**PLANS PREPARED BY:**  
**STOEPPELWERTH & ASSOCIATES, INC.**  
**CONSULTING ENGINEERS & LAND SURVEYORS**  
 7965 E. 106TH STREET, FISHERS, INDIANA 46038  
 PHONE: (317)-849-5935  
 FAX: (317)-849-5942  
 CONTACT PERSON: BRIAN K. ROBINSON  
 EMAIL: BROBINSON@STOEPPELWERTH.COM

**PLANS CERTIFIED BY:**  
 David J. Stoepfelwerth 04/18/14  
 DAVID J. STOEPPELWERTH  
 PROFESSIONAL LAND SURVEYOR  
 NO. 19358



File Name: S:\65795LED\DWG\C200-SITE DEVELOPMENT PLAN.dwg - C200-SITE PLAN  
 Modified / By: July 25, 2017 11:54 PM / cesposito  
 Plotted / By: July 26, 2017 10:04:36 AM / Christian Esposito

**DRAINAGE SUMMARY**

OVERALL SITE ACREAGE=40.25 AC.±  
 ALLOWABLE RATE CALCULATION:  
 0.1 cfs/acre = 10-yr 0.24 cfs/acre = 100-yr  
 Restricted rates based on the J.W. Brendle Drain

ALLOWABLE (Based off 32 Ac.± of Disturbed Area)  
 10 YR. 100 YR.  
 3.239cfs 7.773cfs  
 POST DEVELOPED 2.947cfs 7.679cfs

VOLUME DETENTION REQUIRED  
 LAKE #1 = 192,250 ft³  
 LAKE #2 = 142,231 ft³

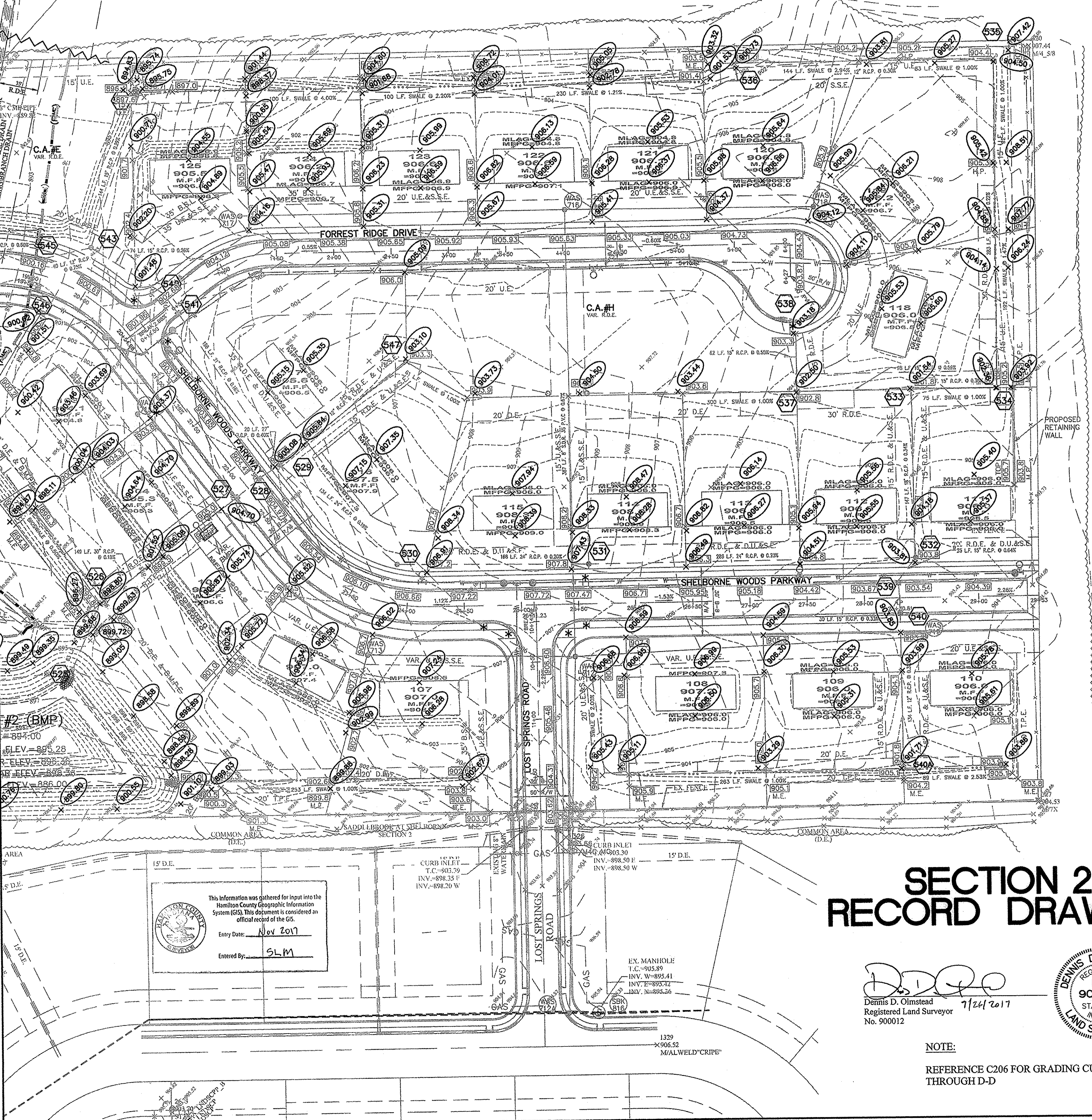
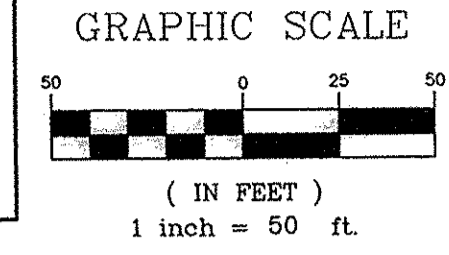
VOLUME DETENTION PROVIDED  
 LAKE #1 = 402,276 ft³  
 LAKE #2 = 217,393 ft³

LAKE #2 OFFSITE DRAINAGE:  
 THERE IS NO OFFSITE TO LAKE #1

LAKE #2 OFFSITE DRAINAGE:  
 THERE IS NO OFFSITE TO LAKE #2

PRE DEVELOPED ONSITE ACREAGE= 40.25 AC.±  
 POST DEVELOPED ONSITE ACREAGE=33.0 AC.±

NOTES TO CONTRACTOR:  
 ALL PADS SHOULD BE TESTED TO ASSURE A COMPACTION OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY USING THE STANDARD PROCTOR TEST METHOD.  
 ANY PRIVATE TILES LOCATED ON THIS SITE WILL NEED TO BE LOCATED; BREATHERS SET AT THE DOWNSTREAM PROPERTY LINE AND CRUSHED OR REMOVED ACROSS THIS SITE. IF ANY OF THESE TILES EXTEND BEYOND THE LIMITS OF THIS PROJECT, THEY WILL NEED TO BE PROVIDED A POSITIVE OUTLET AND ALLOWED TO CONTINUE TO FUNCTION, AS IT IS ILLEGAL TO BLOCK OFF A PRIVATE "MUTUAL" TILE.  
 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 WORK TO REVIEW THE AUTHORITY OF THE DEPARTMENT AS IT RELATES TO WORK WITHIN THE EXISTING AND PROPOSED CITY R/W.  
 EXISTING PAVEMENT TO BE SAW CUT TO A CLEAN EDGE ADJACENT TO ANY WIDENING, AUXILIARY LANES, ETC.  
 NO EARTH DISTURBING ACTIVITY MAY TAKE PLACE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.  
 THERE IS TO BE NO DRIVEWAY ENCROACHMENTS INTO EASEMENTS BETWEEN LOTS.  
 UTILITY RELOCATIONS REQUIRED BY THE PROJECT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. UTILITY LINE RELOCATIONS REQUIRED FOR ROAD PROJECTS THAT RESULT IN A CONFLICT WITH PROPOSED DEVELOPMENT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO RESOLVE WITH THE UTILITY. EXISTING POLE LINES REQUIRED TO BE RELOCATED TO WITHIN ONE FOOT OF PROPOSED RIGHT-OF-WAY LINE.



CONTACT: CARMEL UTILITIES (317) 571-2648 FOR WATER LOCATES  
 FOR SANITARY SEWER LOCATES CONTACT: CLAY TOWNSHIP REGIONAL WASTE DISTRICT (317) 844-9200  
 NOTE: FOR STORM AND PIPE CHARTS SEE SHEET C206

Minimum Flood Protection Grades  
 From Sections 104.02, 302.06 and 303.07 of the City of Carmel Storm Water Technical Standards Manual

1. Definitions  
 a. Minimum Flood Protection Grade of all structures fronting a pond or open ditch shall be no less than 2 feet above any adjacent 100-year local or regional flood elevations, whichever is greater, for all windows, doors, pipe entrances, window wells, and any other structure member where floodwaters can enter a building. Lowest Adjacent Grade is the elevation of the lowest grade adjacent to a structure, where the soil meets the foundation around the outside of the structure (including structural members such as basement walkout, patios, decks, porches, support posts or piers, and rim of the window well.  
 b. Standard: Lowest Adjacent Grade  
 i. General  
 1. The Lowest Adjacent Grade for residential, commercial, or industrial buildings shall have two feet of freeboard above the flooding source's 100-year flood elevation under proposed conditions.  
 2. For areas outside a Special Flood Hazards Area (SFHA) or FEMA or IDNR designated floodplain  
 i. The Lowest Adjacent Grade for all residential, commercial, or industrial buildings adjacent to ponds shall be set a minimum of 2 feet above the 100-year pond elevation or 2 feet above the emergency overflow weir elevation, whichever is higher.  
 ii. The Lowest Adjacent Grade for all residential, commercial, or industrial buildings shall be set a minimum of 2 feet above the highest noted overflow path/ponding elevation across the property frontage.  
 iii. In addition to the Lowest Adjacent Grade requirements, any basement floor must be at least a foot above the normal water level of any wet-bottom pond.  
 3. Design Notes:  
 a. Each lot that is adjacent to a pond, open ditch or flooding source has a flood protection grade. There are instances where there are multiple different flooding sources for 1 structure. In this case, there should be a flood protection grade listed for each side of the structure in the event that piping from the structure discharge to either flood source.  
 b. Finished floor elevation or the lowest building entry elevation shall be no less than 6 inches above finished grade around the building. Also, the building's lowest entry elevation that is adjacent to and facing a road shall be a minimum of 15 inches above the road elevation.

- LEGEND**
- EXISTING CONTOUR
  - EXISTING SANITARY SEWER
  - EXISTING STORM SEWER
  - PROPOSED GRADE
  - PROPOSED CONTOUR
  - PROPOSED SANITARY SEWER
  - PROPOSED STORM SEWER
  - PROPOSED WATER LINE
  - PROPOSED SWALE
  - PROPOSED 5' & 8' SIDEWALK (BY HOME BUILDER) (DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)

REAR RL  
 MFFG=XXX.X  
 XX  
 XXX.X  
 MFFG=XXX.X  
 FRONT RW

--- DENOTES REAR PROTECTION GRADES  
 --- LOT NUMBER  
 --- PAD ELEVATION  
 --- DENOTES FRONT PROTECTION GRADES

--- PROPOSED 6" DUAL WALL HANCOR HI-Q TYPE 4 UNDERDRAINS UNDER CURB.  
 MIN. FINISH FLOOR ELEV. IS BASED OFF OF THE BELOW CRITERIA, WHICHEVER IS HIGHER:  
 1. (1) FOOT ABOVE THE NEAREST UPSTREAM OR DOWNSTREAM SANITARY MANHOLE WHICH EVER IS LOWEST  
 2. 15" (1.25') ABOVE THE ROAD ELEVATION  
 3. 6" (0.5') ABOVE THE M.L.A.G

STORM SEWER FOR THIS PROJECT WILL BE PUBLIC.  
 ALL STORM SEWERS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE RCP CLASS III.

- EARTHWORK:**
- 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.
  - REMOVAL OF TREES**  
 A. All trees and stumps shall be removed from areas to be occupied by a road surface or structure area. Trees and stumps shall not be buried on site.
  - 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 to protective measure to be taken, if any, to preserve such trees.
  - REMOVAL OF TOPSOIL**  
 A. All topsoil shall be removed from all areas beneath future pavements or building. Topsoil removal shall be to a minimum depth of 6 inches or to the depth indicated in the geotechnical report provided by the Developer to be excavated or filled. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
  - 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.
  - 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 drawings.  
 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.

MFF=XXX.X MINIMUM FLOOD PROTECTION GRADE  
 MLAG=XXX.X MINIMUM LOWEST ADJACENT GRADE

4" SSD TO LOT RISER TC  
 DUAL WALL, HANCOR HI-Q TYPE 4 SSD (SIZE NOTED ON PLANS)  
 --- CONSTRUCTION LIMITS  
 --- 893.66 BASE FLOOD ELEVATION

**FLOOD STATEMENT**  
 THIS SITE DOES LIE WITHIN A FLOODWAY OR FLOOD PLAIN PER LONG BRANCH HYDRAULIC ANALYSIS PERFORMED BY CHRISTOPHER B. BURKE ENGINEERING, Ltd. PROJECT DATED JULY 2011 PROJECT #11-176

**VEGETATIVE COVER**  
 EXISTING SITE CONSIST MOSTLY OF GRASS AND WEEDS WITH WOODS ON THE SITE.

**ADJACENT PROPERTIES**  
 NORTH: SCHOOL  
 EAST: AGRICULTURE  
 SOUTH: RESIDENTIAL  
 WEST: RESIDENTIAL

**SECTION 2  
 RECORD DRAWING**

*D.O.*  
 Dennis D. Olmstead  
 Registered Land Surveyor  
 No. 900012  
 7/26/2017



NOTE:  
 REFERENCE C206 FOR GRADING CUT SECTIONS A-A THROUGH D-D

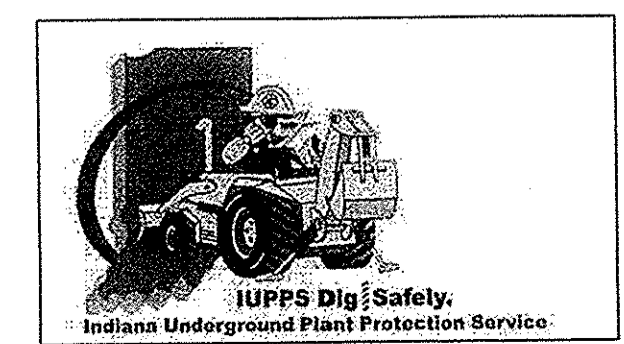
THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A SURVEY OR A SURVEYOR LOCATION REPORT.

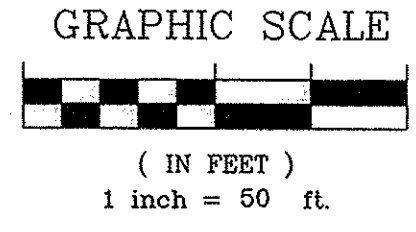
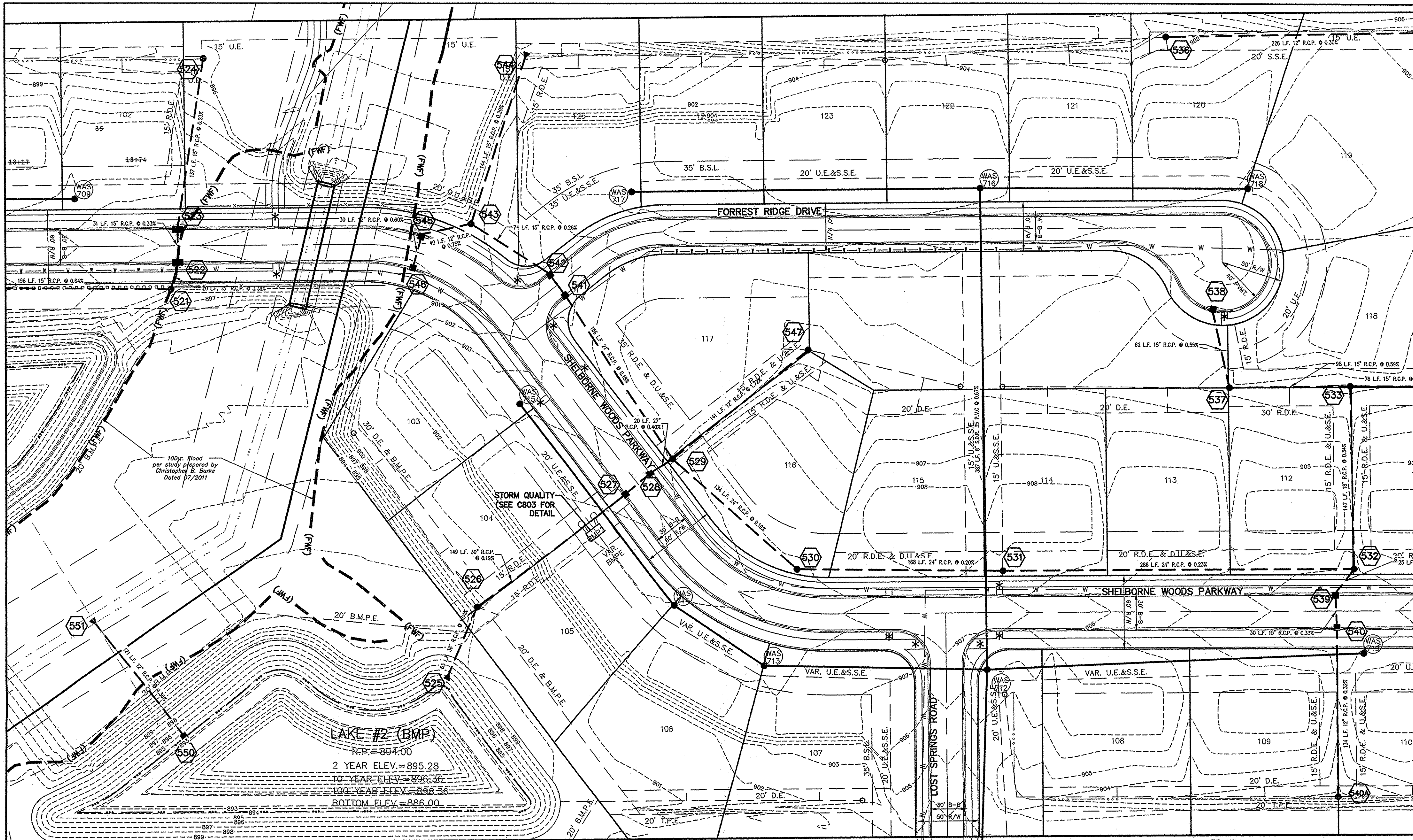
NO. 19358  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
 David J. Stoppelwirth  
 04/18/14

**STOEPPELWIRTH**  
 ALWAYS ON  
 7915 East 106th Street Fishers, IN 46038-2905  
 phone: 317.845.9505 fax: 317.845.9542

**SITE & UTILITY DEVELOPMENT PLAN**  
 THE WOODS AT SHELBORNE, SECTIONS 1 & 2  
 HAMILTON COUNTY, INDIANA  
 CLAY TOWNSHIP

DRAWN BY: JSM  
 CHECKED BY: BKR  
 SHEET NO. C202  
 S & A JOB NO. 65795LED





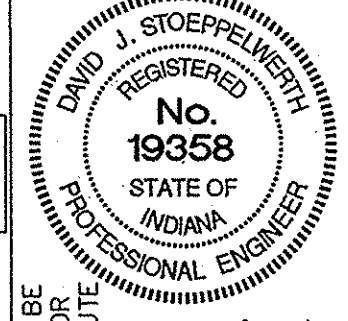
DENOTES FULL DEPTH GRANULAR BACKFILL

NOTES:

- ALL STORM STRUCTURES TO RECEIVE SOLID LID CASTINGS ARE TO BE CONSTRUCTED TO PROVIDE ONE 4" RISER RING NO MORE, NO LESS TO ACHIEVE PLAN RIM GRADE.
- ALL YARD INLETS ARE TO BE CONSTRUCTED AT A TOLERANCE OF +0.00' TO -0.20' OF PLAN GRADE.
- ALL STORM SEWER CASTINGS SHALL BE LABELED "DUMP NO WASTE-DRAINS TO WATERWAY"
- ALL SSD'S (SUBSURFACE DRAINS) WILL NEED TO BE DOUBLE WALL SMOOTH BORE PERFORATED (HDPE) PIPE.
- DEBRIS GUARDS ARE TO BE INSTALLED ON ALL OPEN ENDED INLETS.
- FOR STORM STRUCTURE SIZING AND CASTING TABLE SEE SHT. C206.
- ALL STORM SEWERS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE RCP CLASS III.
- FOR INSTALLATION OF STORM UNDER CITY STREETS AND COVER REQUIREMENTS, SEE SHEETS No. C802 ON THE TRENCH DETAIL.
- 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.

**STORM SEWER NOTE**  
 THE STORM SEWER SYSTEM SHALL BE CONSTRUCTED PER DESIGN SPECIFIED AND AS APPROVED BY THE CITY OF CARMEL ON THE FINAL APPROVED CONSTRUCTION PLANS. DEVIATIONS FROM THE APPROVED DESIGN SHALL ONLY BE PERMITTED DUE TO SPECIAL CIRCUMSTANCES OR DIFFICULTY DURING CONSTRUCTION AND WILL REQUIRE PRIOR FIELD APPROVAL FROM A DESIGNATED REPRESENTATIVE OF THE CITY OR CARMEL IN ADDITION TO SUPPLEMENTAL APPROVAL BY THE DESIGN ENGINEER. AN EXPLANATION OF ANY SUCH DEVIATION SHALL BE INCLUDED AS A REQUIREMENT ON AS-BUILT/RECORD DRAWINGS SUBMITTED FOR RELEASE OF PERFORMANCE GUARANTEES. APPROVED DESIGN SLOPES IDENTIFIED AS GENERATING VELOCITIES OF 2.5 FPS OR LESS AND 10 FPS OR GREATER (AT FULL FLOW CAPACITY) SHALL REQUIRE AS-BUILT CERTIFICATION AT THE TIME OF CONSTRUCTION, PRIOR TO BACKFILLING THE PIPE. THE CONTRACTOR IS INSTRUCTED TO AS-BUILT EACH SECTION OF STORM PIPE AS IT IS BEING INSTALLED TO ENSURE COMPLIANCE WITH THE DESIGN PLANS AND AS APPROVED BY THE CITY OF CARMEL.

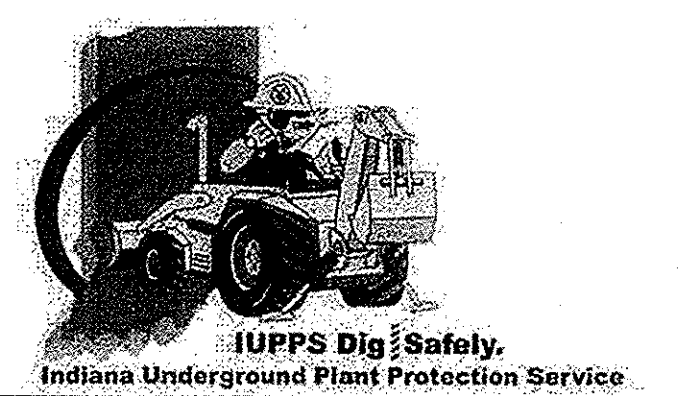
**STORM SYSTEM**  
 STORM SEWERS FOR THIS DEVELOPMENT WILL BE PUBLIC.



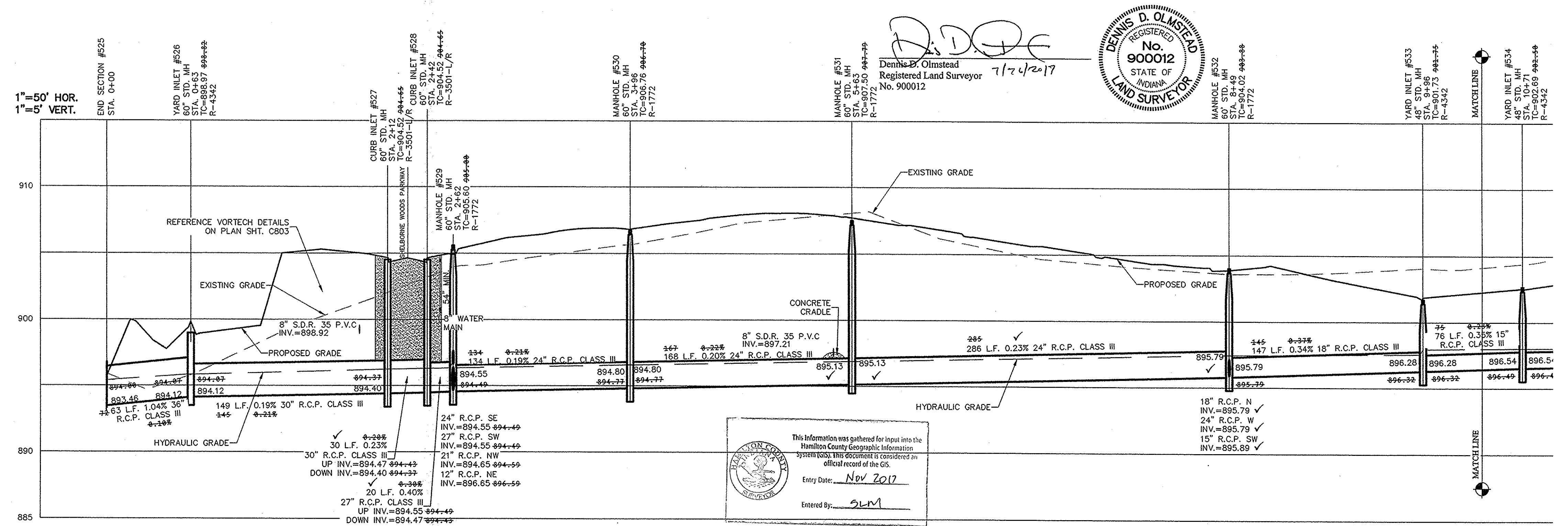
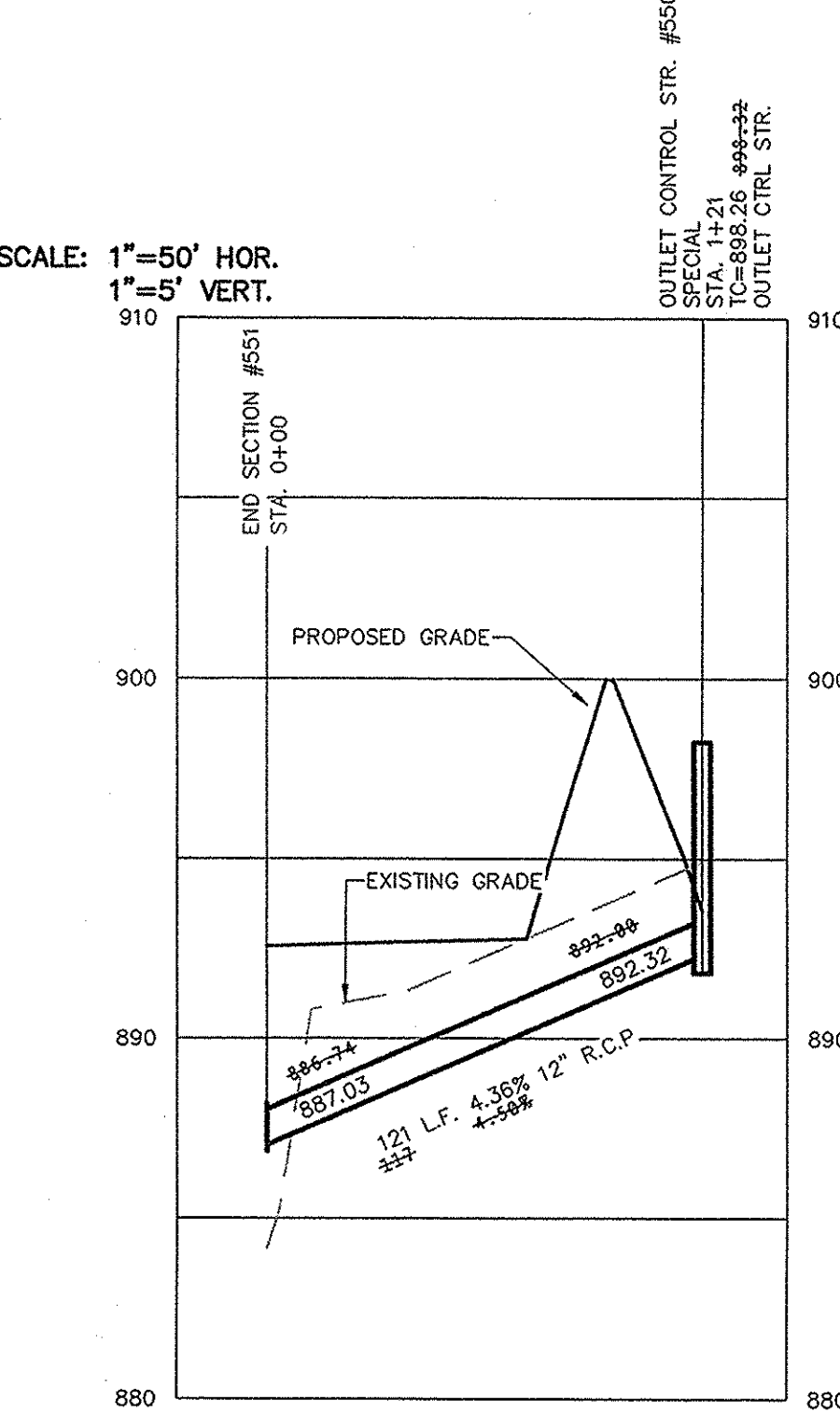
THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACTION OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.  
 CERTIFIED: 04/18/14  
 David J. Stoepelwerth



Know what's below.  
 Call before you dig.



**SECTION 2  
 RECORD DRAWING**



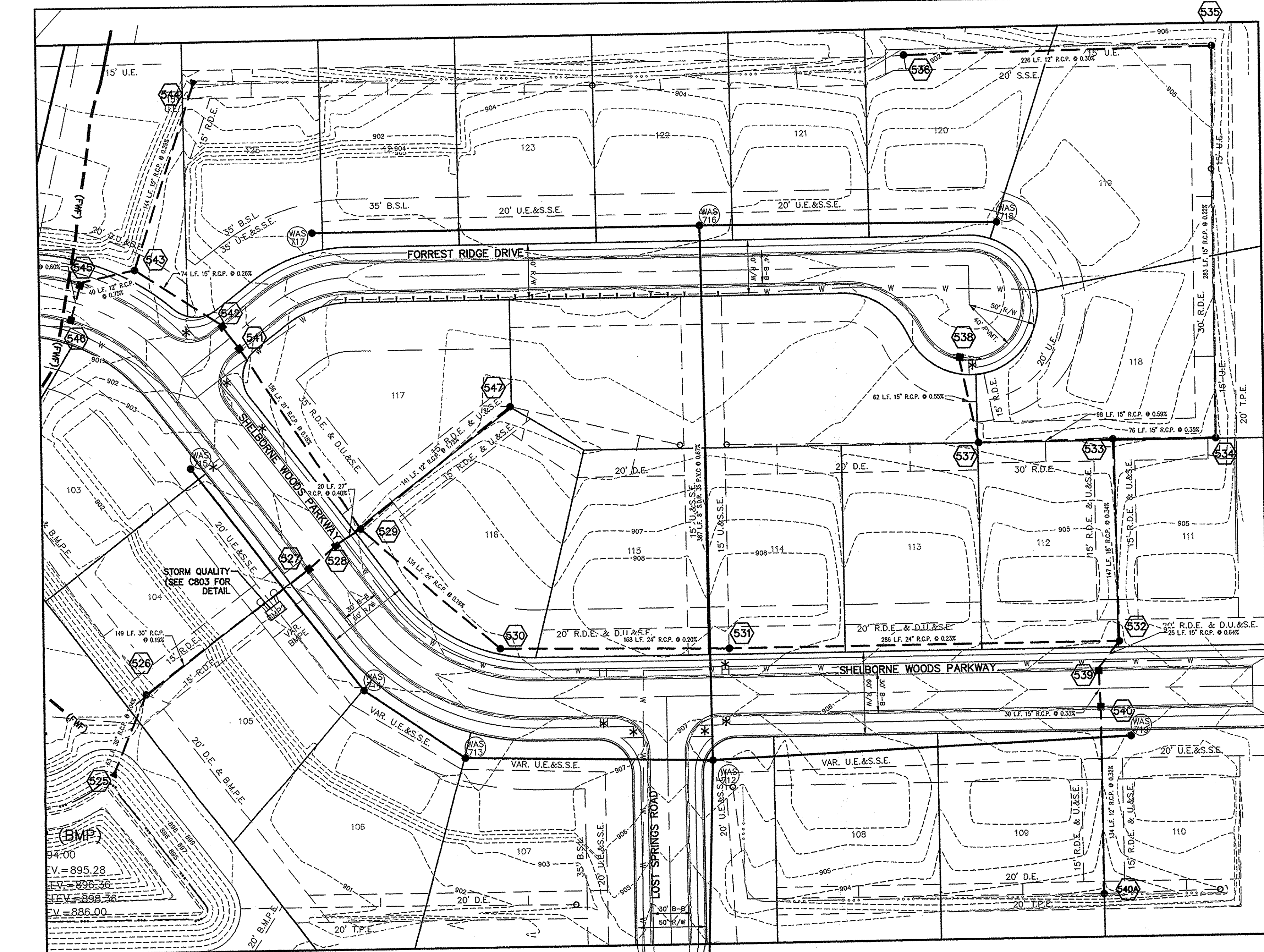
Dennis D. Olmstead  
 Registered Land Surveyor  
 No. 900012  
 7/24/2017

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: Nov 2017  
 Entered by: SLM

**STOEPPELWERTH**  
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**STORM PLAN & PROFILE**  
**THE WOODS AT SHELBORNE, SECTIONS 1 & 2**  
 CLAY TOWNSHIP  
 HAMILTON COUNTY, INDIANA

DRAWN BY: JSM CHECKED BY: BKR  
 SHEET NO. **C603**  
 S & A 485 NO. 65795LED

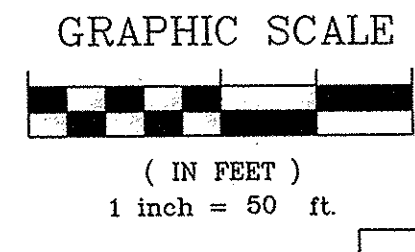
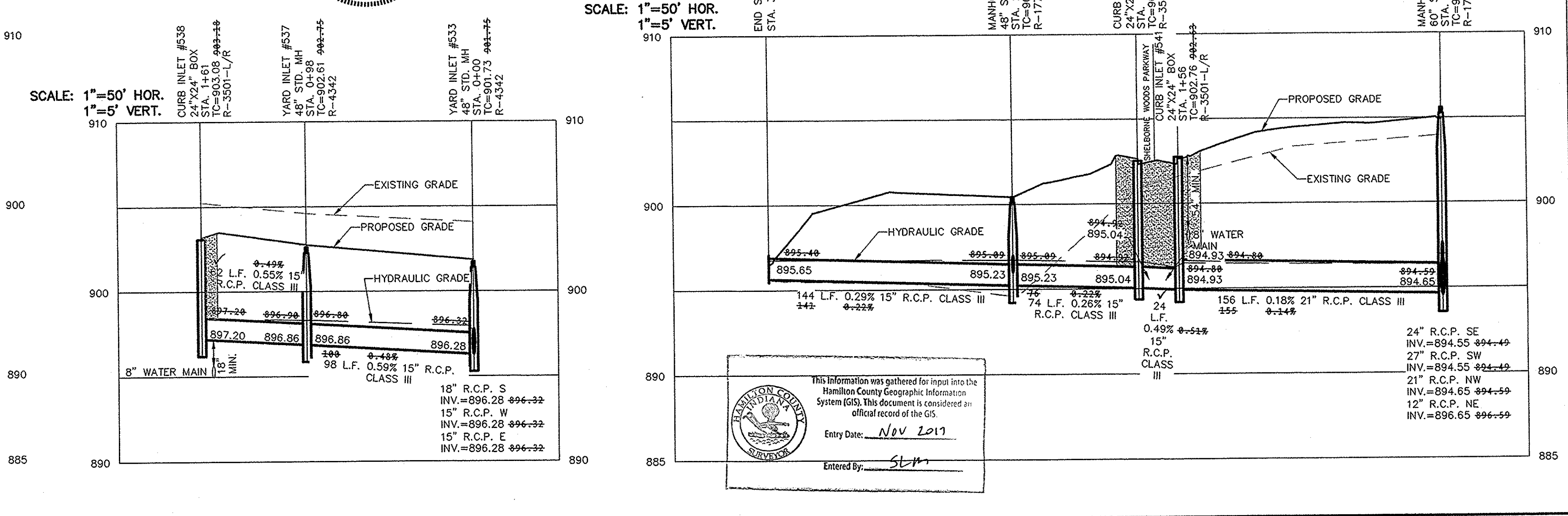
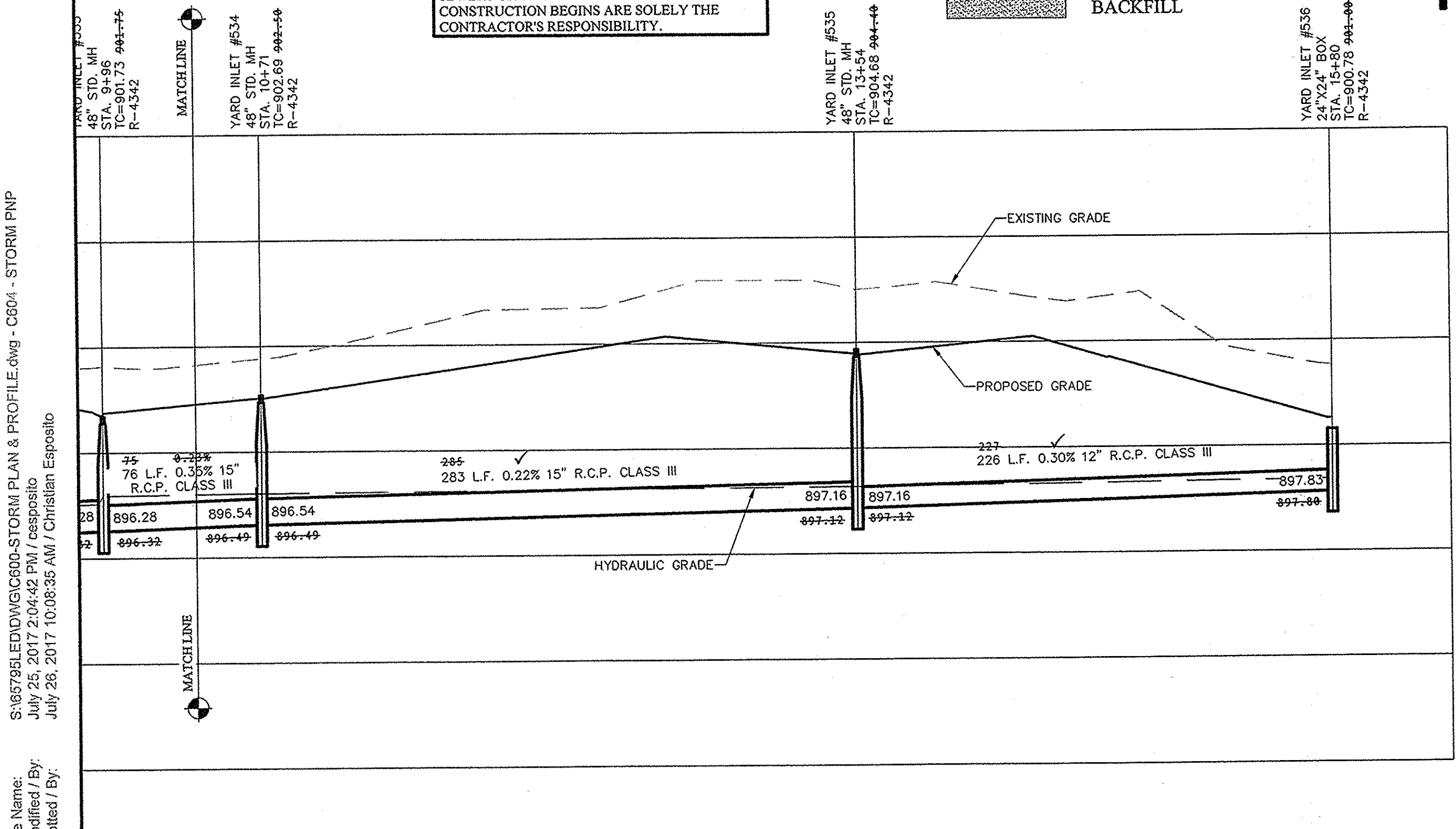


CONTRACTOR SHALL VERIFY DEPTHS OF ALL EXISTING ON-SITE UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM THERE IS NOT ANY CONFLICTS WITH OTHER UTILITIES, STORM SEWERS OR STREETS. CONFLICTS AFTER CONSTRUCTION BEGINS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

DENOTES FULL DEPTH GRANULAR BACKFILL

# SECTION 2 RECORD DRAWING

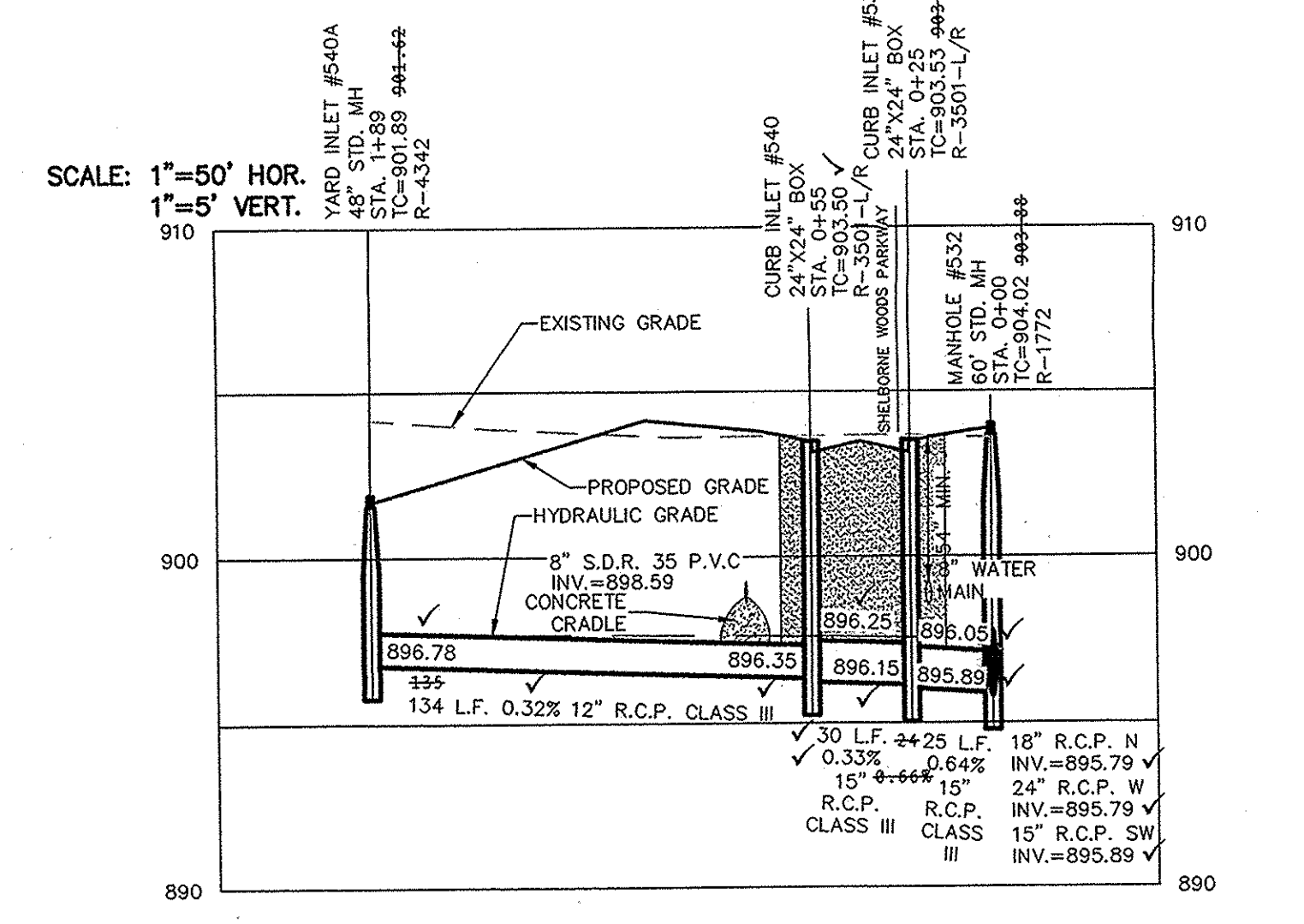
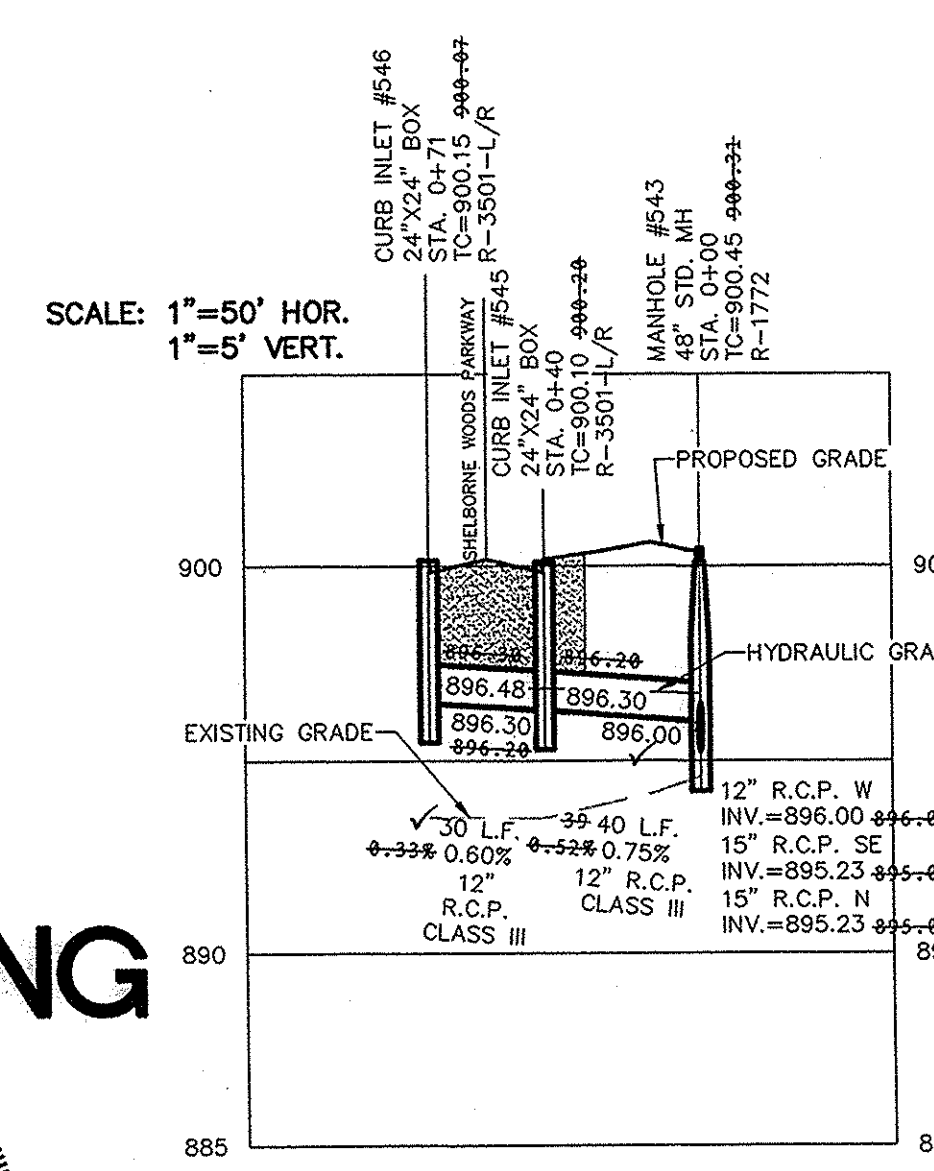
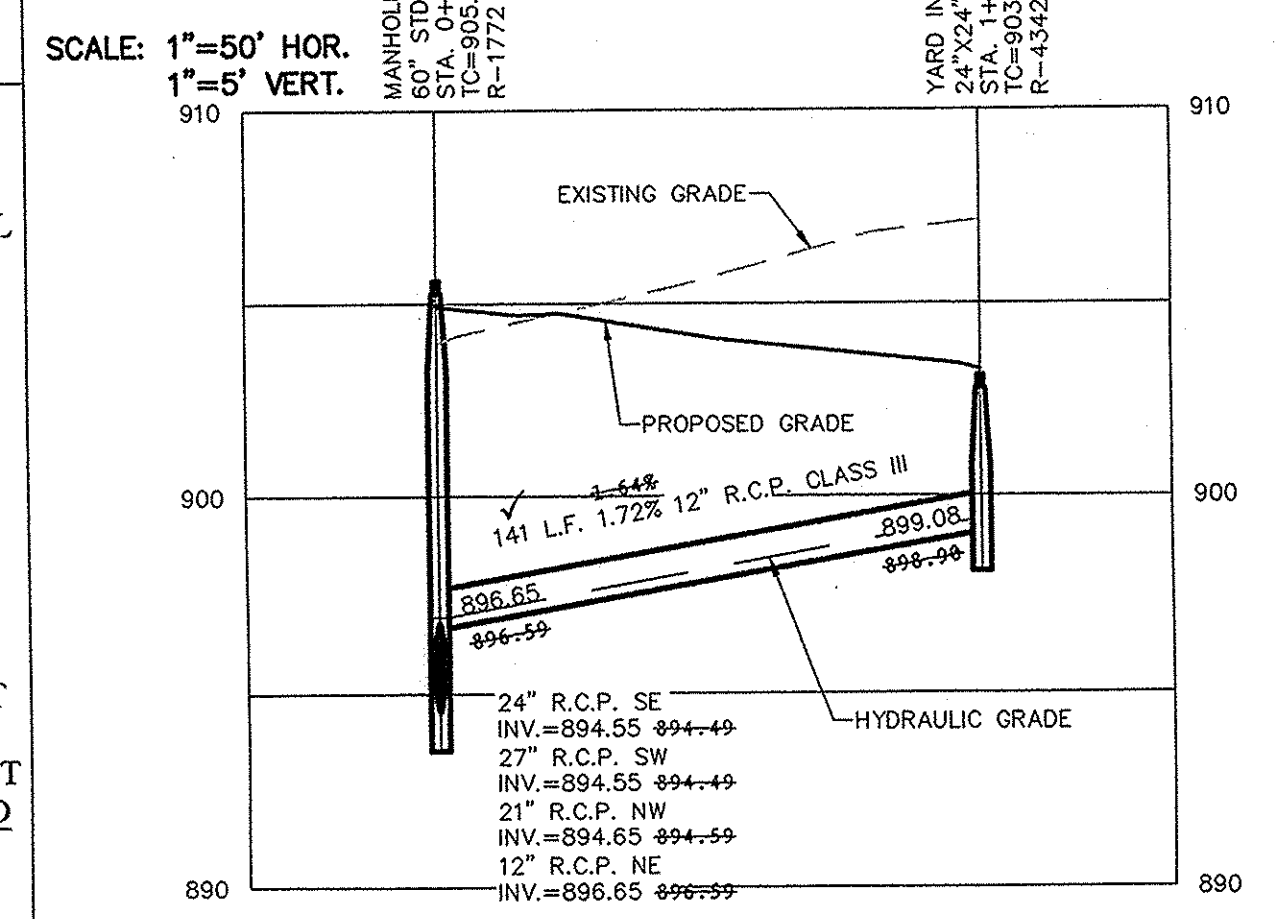
*Dennis D. Olmstead*  
 Dennis D. Olmstead  
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- NOTES:
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STORM PLAN & PROFILE  
 THE WOODS AT SHELBORNE, SECTIONS 1 & 2  
 CLAY TOWNSHIP  
 HAMILTON COUNTY, INDIANA

SECTION 2 AS BUILT  
 REVISION PER CONTRACTOR COMMENTS  
 REVISION PER TAC COMMENTS  
 DATE MARK

NO. 19358  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
 David J. Stoepelwerth  
 04/18/14  
 CERTIFIED

DRAWN BY: JSM  
 CHECKED BY: BKR  
 SHEET NO. C604  
 S & A JOB NO. 657951.ED

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 Plotted / By: July 26, 2017 10:08:35 AM / Christian Esposito