

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 1 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 1 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	833 ft.	24" RCP	552 ft.
15" RCP	765 ft.	27" RCP	241 ft.
18" RCP	482 ft.	6" SSD	6,789 ft.

The total length of the drain will be 9,662 feet.

The retention pond (lake #1) located in Common Area C and the existing lake in Common Area A are 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 front/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
 Hill Top Drive

Front/Rear Yard SSDs:
 Rear yard lots 86 & 87 from Str. 552 to riser
 Rear yard lots 87 & 88 from Str. 552 to Str. 511
 Rear yard lots 89 & 90 from Str. 511 to riser

Rear yard lots 91 & 92 from Str. 514 to riser
Rear yard lots 93 to 96 from Str. 514 to Str. 516
Rear yard lots 97 to 102 from Str. 516 to Str. 524
Front yard lots 84 & 83 from Str. 503 to riser
Front yard lots 81 & 82 from Str. 505 to riser
Front yard lots 78 to 80 from Str. 505 to riser

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 \$1,992.70.

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

Agent: Westchester Fire Insurance Company
Date: March 27, 2015
Number: K08446349
For: Storm Sewers & Sub-Surface Drains
Amount: \$363,172.80

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 1 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 _____

MATT HOW D. LOTHMEYER
Printed Name _____

FOR PULTE HOMES OF INDIANA, LLC

7/6/15
Date _____

Signed _____

Printed Name _____

Date _____

Signed _____

Printed Name _____

Date _____

Signed _____

Printed Name _____

Date _____

FINDINGS AND ORDER

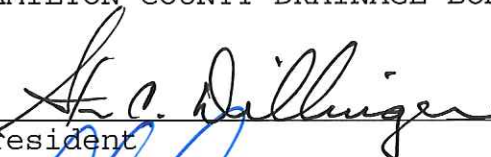
CONCERNING THE MAINTENANCE OF THE

Long Branch Drain, The Woods at Shelborne Section 1 Arm

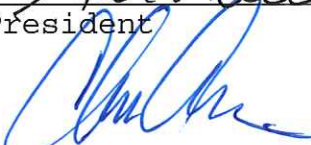
On this 28th day of September, 2015, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Long Branch Drain, The Woods at Shelborne Section 1 Arm*.

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: 
Executive Secretary



STOEPPELWERTH

ALWAYS ON

ofc: 317.849.5935
fax: 317.849.5942

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

March 12, 2015

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

Attention: Greg Hoyes

Re: The Woods at Shelborne, Section 1

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 1. The estimate is as follows:

The Woods at Shelborne, Section 1

Storm Sewer				\$ 302,644.00	120%	\$363,172.80
12" Pipe	833.00	LF	\$ 32.00	\$ 26,656.00		
15" Pipe	765.00	LF	\$ 38.00	\$ 29,070.00		
18" Pipe	482.00	LF	\$ 43.00	\$ 20,726.00		
24" Pipe	391.00	LF	\$ 55.00	\$ 21,505.00		
27" Pipe	402.00	LF	\$ 65.00	\$ 26,130.00		
12" ES	1.00	Each	\$ 825.00	\$ 825.00		
12" TR Grate	1.00	Each	\$ 400.00	\$ 400.00		
18" ES	1.00	Each	\$ 950.00	\$ 950.00		
18" TR Grate	1.00	Each	\$ 500.00	\$ 500.00		
27" ES	1.00	Each	\$ 1,400.00	\$ 1,400.00		
27" TR Grate	1.00	Each	\$ 725.00	\$ 725.00		
Standard MH	15.00	Each	\$ 3,500.00	\$ 52,500.00		
Large MH	9.00	Each	\$ 4,300.00	\$ 38,700.00		
Inlet	5.00	Each	\$ 2,350.00	\$ 11,750.00		
Granular Backfill	877.00	Ton	\$ 13.00	\$ 11,401.00		
SSD Under Curb	4,670.00	LF	\$ 8.20	\$ 38,294.00		
SSD in Swale	2,030.00	LF	\$ 10.40	\$ 21,112.00		

LAND DEVELOPMENT SUPPORT SOLUTIONS

ENGINEERING | SURVEYING

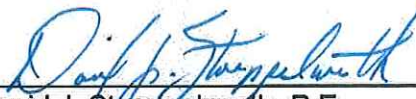
Hamilton County Surveyor
Greg Hoyes
March 12, 2015
Page 2 of 2

Monumentation					\$	4,640.00	120%	\$	5,568.00
Lot Corners	26.00	Lots	\$	100.00	\$	2,600.00			
Centerline	12.00	Each	\$	170.00	\$	2,040.00			

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

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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

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 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.
- (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 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 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 27th, 2015

Signed, sealed and dated: April 10th, 2015

Westchester Fire Insurance Company

By 
Jessica Hollaender, Attorney in Fact

Broker of Record:

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

Power of Attorney

WESTCHESTER FIRE INSURANCE COMPANY

FILE COPY

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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, 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 1 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 1 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 1 Arm

NOTICE

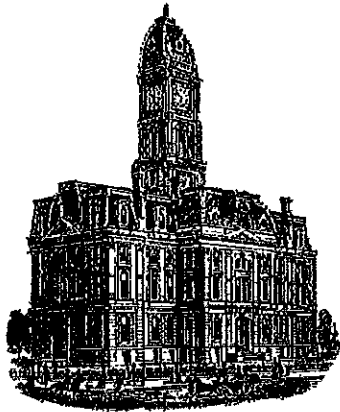
Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **September 28, 2015** has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. 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
Fax (317) 776-9628

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

To: Hamilton County Drainage Board

January 29, 2018

Re: Long Branch Drain: Woods at Shelborne Section 1

Attached are as-built, certificate of completion & compliance, and other information for Woods at Shelborne 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 June 30, 2015. The report was approved by the Board at the hearing held September 28, 2015. (See Drainage Board Minutes Book 15, Pages 300-301) The changes are as follows: the 12" RCP was shortened from 833 feet to 829 feet. The 15" RCP was lengthened from 765 feet to 766 feet. The 18" RCP was shortened from 482 feet to 478 feet. The 24" RCP was lengthened from 552 feet to 553 feet. The 27" RCP was shortened from 241 feet to 238 feet. The length of the drain due to the changes described above is now **9,478 feet**.

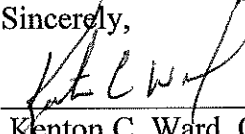
The non-enforcement was approved by the Board at its meeting on September 28, 2015 and recorded under instrument #2015058019.

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 & SSD
Issue Date: March 27, 2015

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Kenton C. Ward', written over a horizontal line.

Kenton C. Ward, CFM
Hamilton County Surveyor


CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: The Woods At Shelborne, Section 1

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: January 10, 2018

Type or Print Name: David J. Stoepelwerth

Business Address: Stoepelwerth & Associates, Inc.

7965 East 106th Street, Fishers, Indiana 46038

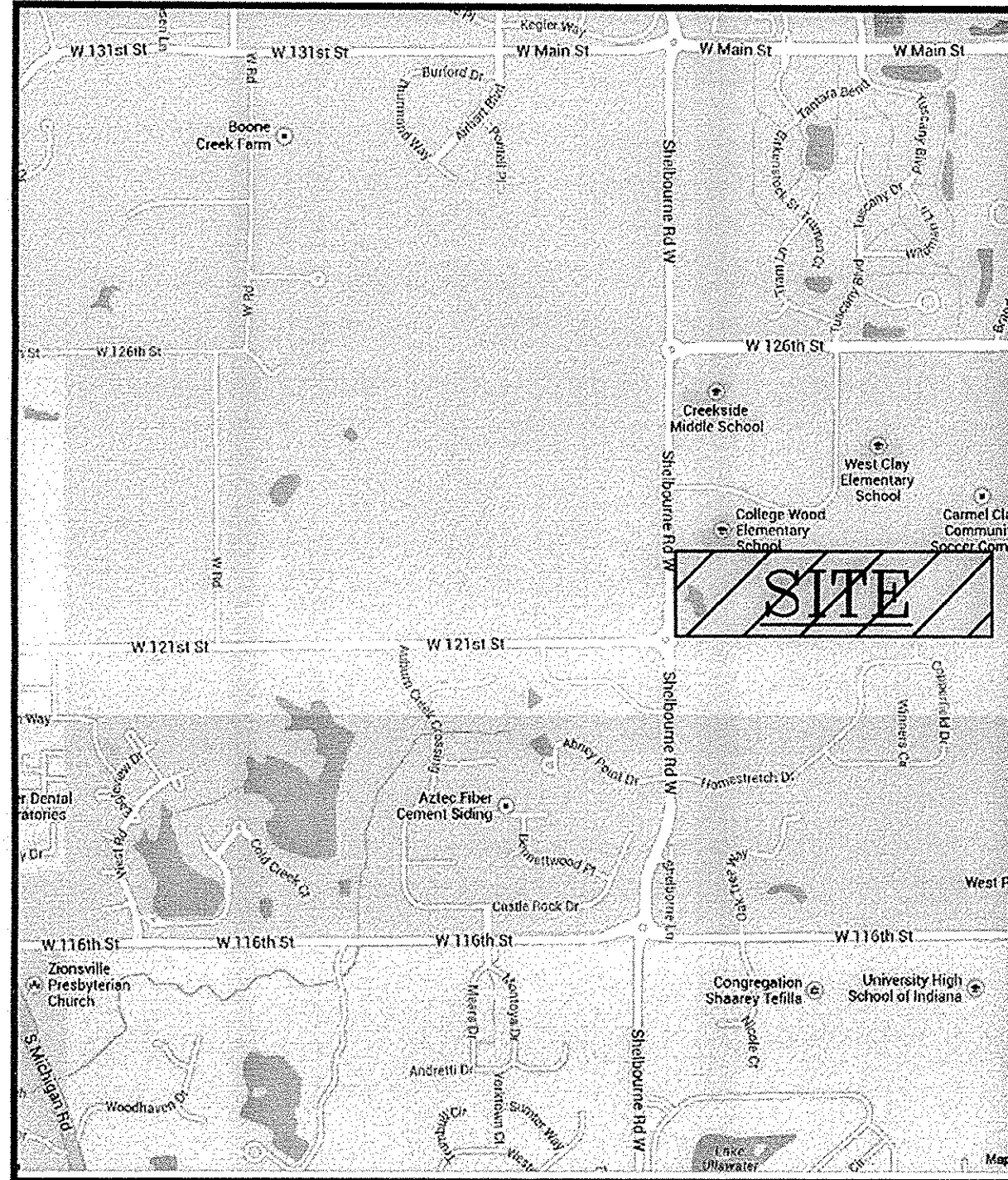
Telephone Number: (317) 849-5935

SEAL

INDIANA REGISTRATION NUMBER

19358

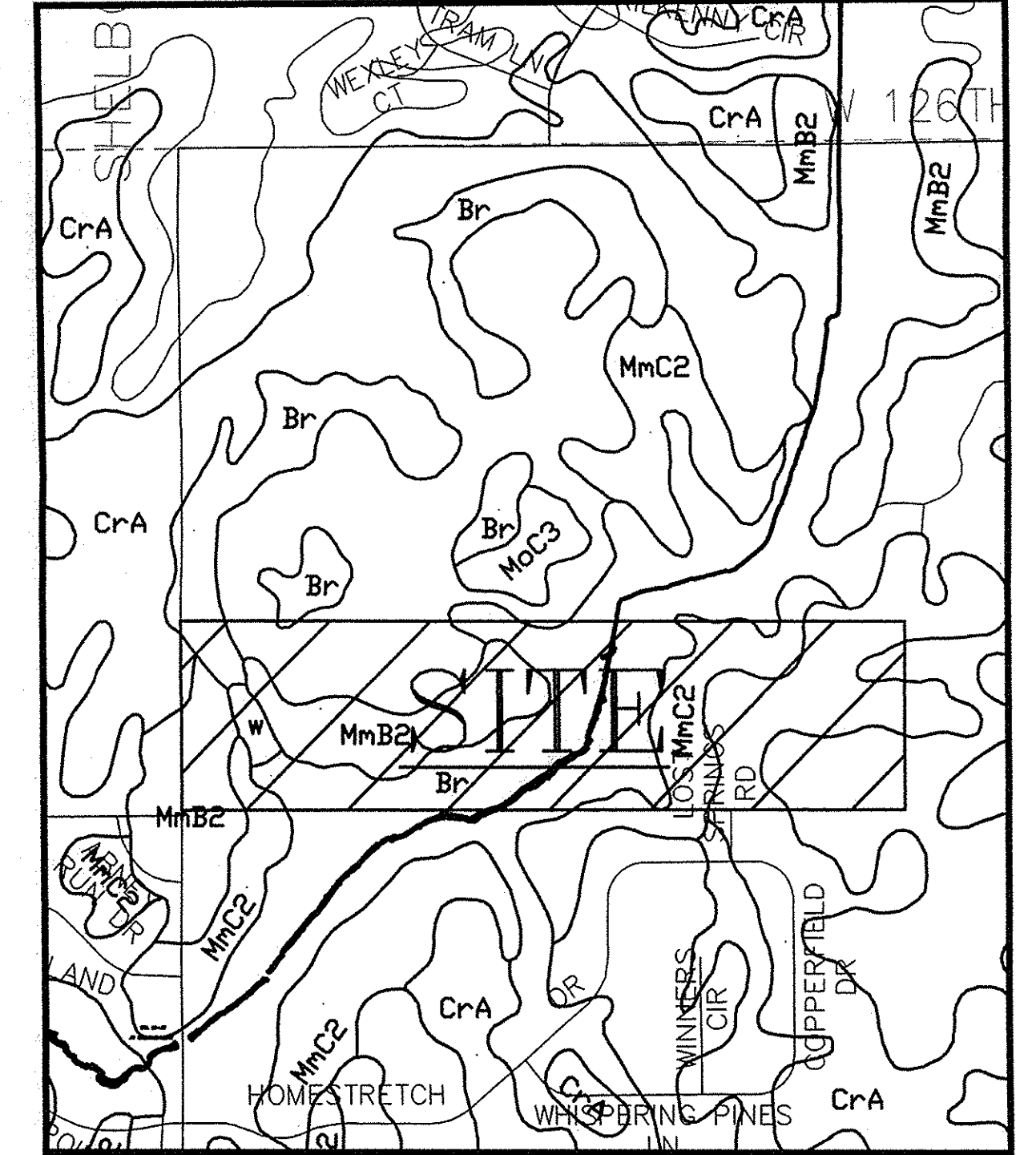
The Woods At Shelborne, Section 1&2 With Clearing & Demolition



VICINITY MAP
NOT TO SCALE

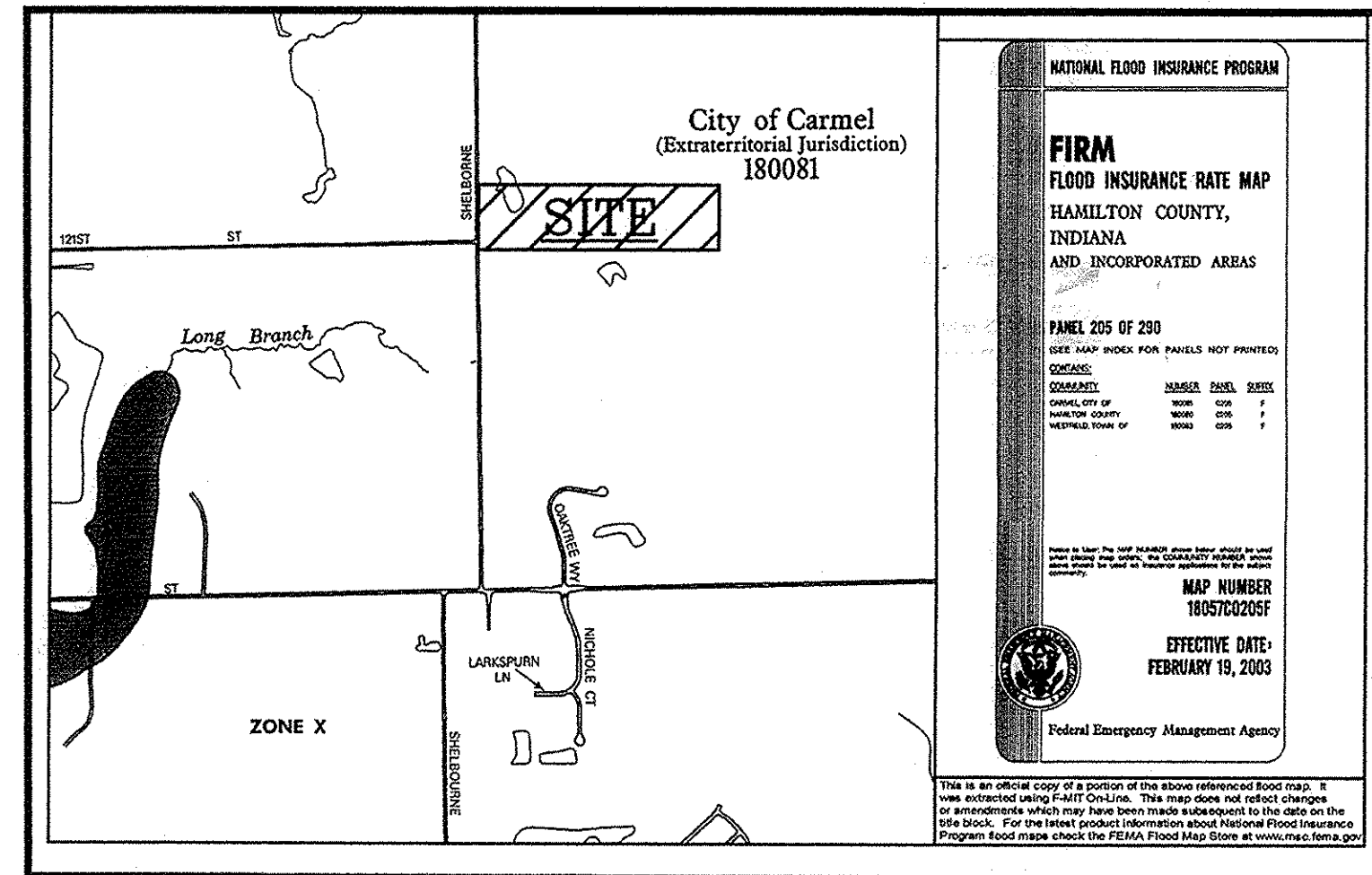
Developed by:
PULTE HOMES OF INDIANA, LLC.
11590 NORTH MERIDIAN STREET,
SUITE 530
CARMEL, INDIANA 46032
PHONE: (317) 575-2350
CONTACT PERSON: MATT LOHMEYER

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



SOILS MAP
NOT TO SCALE

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



FEMA MAP
NOT TO SCALE

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 131st Street
 Westfield, IN 46074

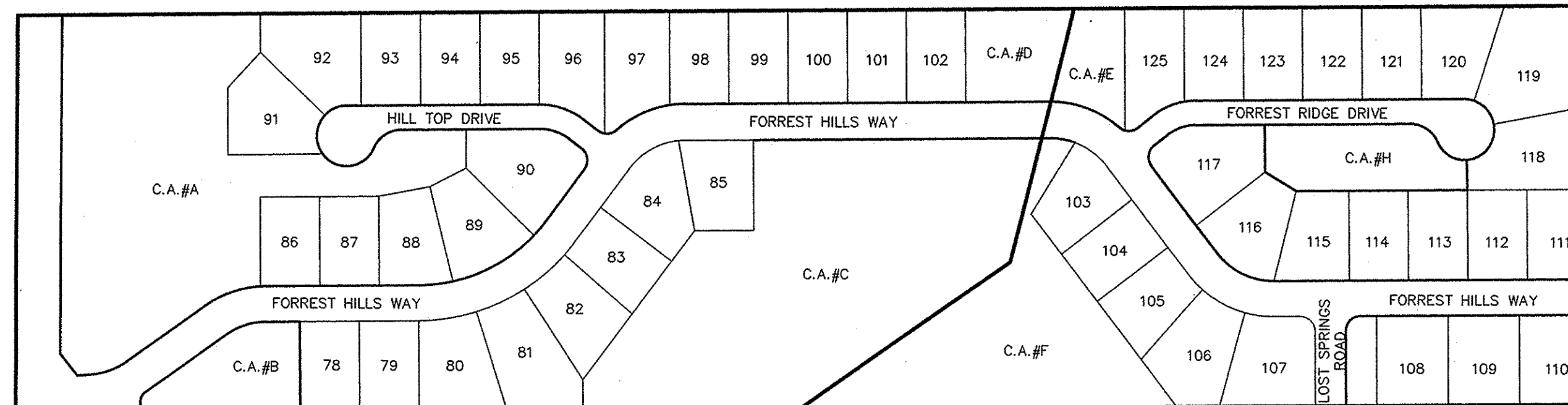
Indianapolis Power & Light Company
 3600 North Arlington Avenue
 Indianapolis, Indiana 46218

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

GRAPHIC SCALE
 SCALE: 1"=200'



WOODS AT SHELBORNE
SECTION ONE

WOODS AT SHELBORNE
SECTION TWO

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 West 429.29 feet; 2) South 56 degrees 49 minutes 17 seconds West 398.87 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 West 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 77.52 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.

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.

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	ASBUILTS - 10/29/2015 -KJUM

RECORD DRAWING

D. D. O.
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012

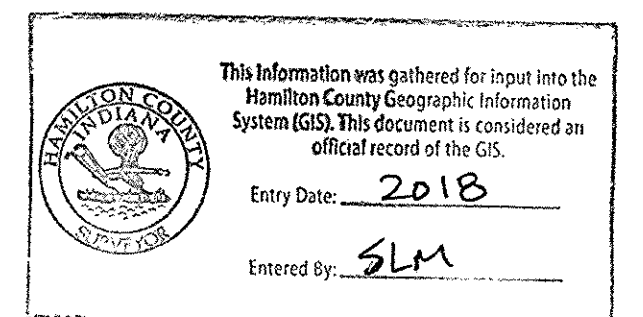


811
 Know what's below.
 Call before you dig.

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.
TOTAL	4,248.36 L.F.

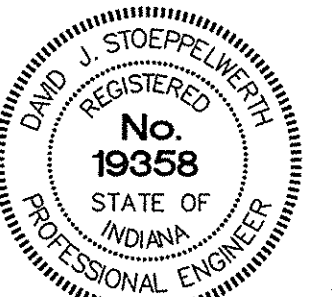
OPERATING AUTHORITY
 CITY OF CARMEL ONE (317) 571-2441
 CIVIC SQUARE CARMEL,
 INDIANA 46032



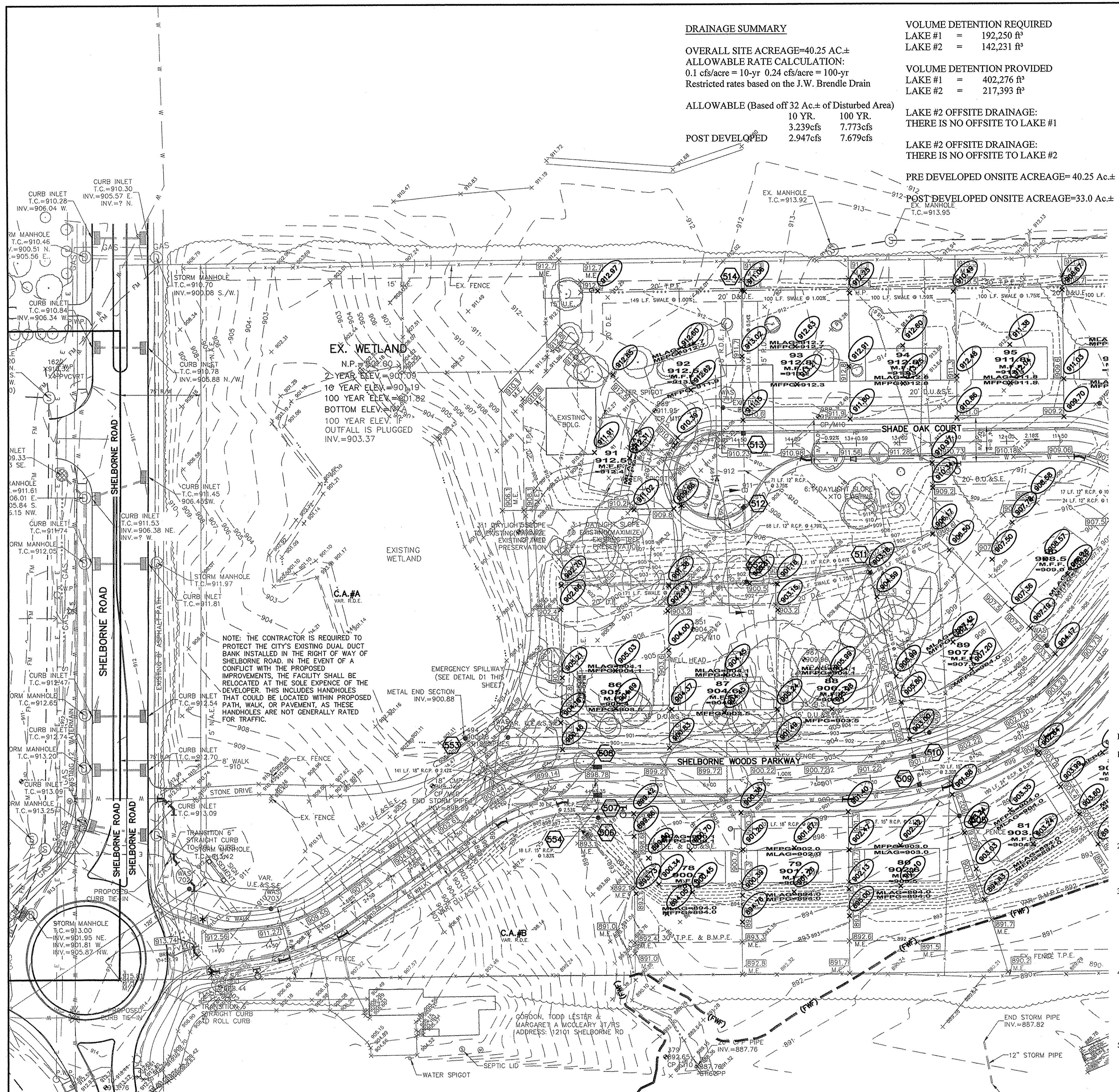
PLANS PREPARED BY:
STOEPPELWERTH & ASSOCIATES, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 7965 E. 106TH STREET, FISHERS, INDIANA 46038
 PHONE: (317)-849-5935
 FAX: (317)-849-5942
 CONTACT PERSON: BRIAN K. ROBINSON
 EMAIL: BROBINSON@STOEPPELWERTH.COM

PLANS CERTIFIED BY:

David J. Stoepfelwerth 04/18/14
 DAVID J. STOEPPELWERTH
 PROFESSIONAL LAND SURVEYOR
 NO. 19358



File Name: S:\65795\65795\DWG\C200-SITE DEVELOPMENT PLAN.dwg - C200-SITE PLAN
 October 30, 2015 2:25:30 PM / kmitchell
 October 30, 2015 2:38:15 PM / Kenny Mitchell
 Drawn / By:
 Plotted / By:



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
2.947cfs	7.679cfs

POST DEVELOPED

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 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.

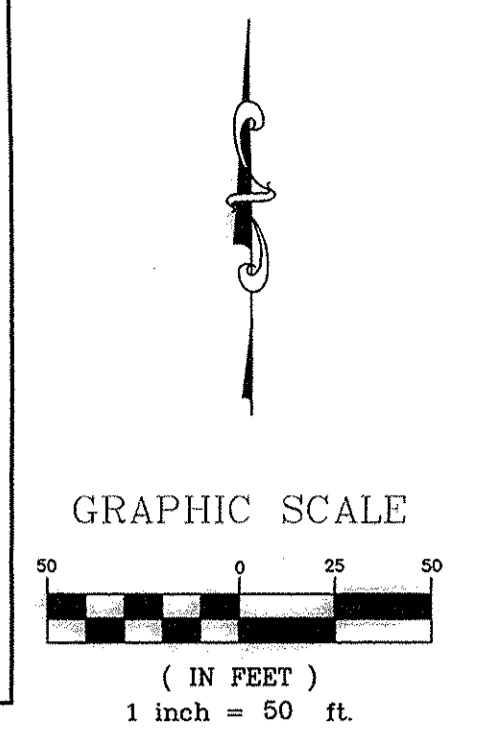
CONTRACTOR SHALL CONTACT THE DEPARTMENT OF ENGINEERING TO SCHEDULE A PRE-CONSTRUCTION MEETING TO REVIEW THE DEPARTMENT'S CONSTRUCTION REQUIREMENTS, STAFF NOTIFICATION REQUIREMENTS, REQUIRED INSPECTIONS FOR CERTAIN STAGES OF WORK TO REVIEW THE AUTHORITY OF THE DEPARTMENT AS IT RELATES TO WORK WITHIN THE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

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

- 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)

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

- 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 flooding can occur to a building.
 - b. 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).
- Standard: Lowest Adjacent Grade
 - a. General
 - i. 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.
 - ii. 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 shall be set a minimum of 2 feet above the highest noted overflow path/ponding elevation across the property frontage.
 - ii. In addition to the Lowest Adjacent Grade requirements, any basement floor must be at least four feet above the normal water level of any wet-bottom pond.
 - b. 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.

REAR RW
 MFPG=XXX.X
 XX
 XXX.X
 MFPG=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

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

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 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.

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

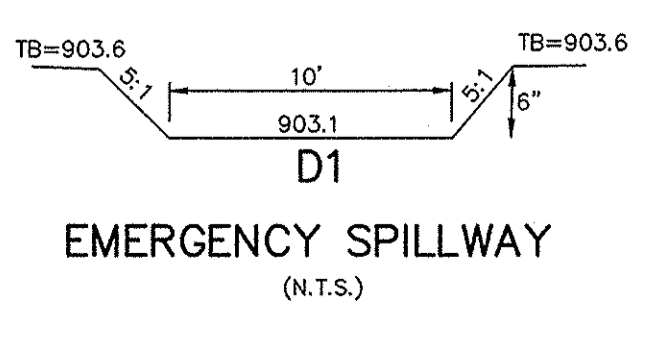
VEGETATIVE COVER
 EXISTING SITE CONSIST MOSTLY OF GRASS AND WEEDS WITH WOODS ON THE SITE.

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

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: 2016
 Entered by: glm

RECORD DRAWING

Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012



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

NOTE:
 ROOF DRAINS FOR LOTS 78-85 SHALL DISCHARGE TO THE PROPOSED S.D.Ds FRONTING THE LOTS.

ASBUILTS
 ADDED MLAG TO REAR OF LOTS 78-81
 REVISED PER CIVD COMMENTS
 REVISED PER CROSSROADS COMMENTS
 REVISED PER TAC COMMENTS

DATE: 04/18/14
 MARK

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

04/18/14
 CERTIFIED: David J. Stoppelwerth
 PROFESSIONAL ENGINEER

STOEPPELWERTH
 ALWAYS ON
 7905 East 10th Street, Fishers, IN 46038-2905
 phone: 317.849.5925 fax: 317.849.5942

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

DRAWN BY: JSM
 CHECKED BY: BKR

SHEET NO.
C200
 5 & 4 JOB NO.
 65795.ED

811
 Know what's below.
 Call before you dig.
 IUPPS Dig Safely.
 Indiana Underground Plant Protection Service

RECORD DRAWING

Dennis D. Olmstead
Registered Land Surveyor
No. 900012



CARMEL 2002 SCHOOL BUILDING CORPORATION

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 I.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

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LAKE #1 = 192,250 ft³
LAKE #2 = 142,231 ft³

VOLUME DETENTION PROVIDED
LAKE #1 = 402,276 ft³
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LAKE #2 OFFSITE DRAINAGE:
THERE IS NO OFFSITE TO LAKE #1

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POST DEVELOPED ONSITE ACREAGE=33.0 AC.±

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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

- Definitions
 - 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 without patios, decks, porches, support posts or piers, and rim of the window well).
- Standard: Lowest Adjacent Grade
 - General
 - 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.
 - For areas outside a Special Flood Hazard Area (SFHA) or FEMA or IDNR designated floodplain
 - 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.
 - 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 fringes.
 - 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.
 - Design Notes:
 - 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 discharges to either flood source.
 - 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 a pond shall be a minimum of 15 inches above the road elevation.

STORM SEWER FOR THIS PROJECT WILL BE PUBLIC.

ALL STORM SEWERS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE RCP CLASS III.

EARTHWORK:

- EXCAVATION
 - 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.
 - 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
 - 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
 - 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.
 - 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
 - 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
 - Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 - 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
 - Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 - 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.
 - 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.

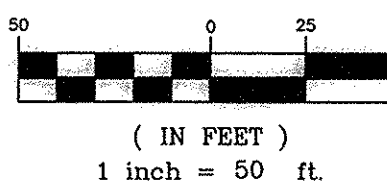
NOTE:

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

NOTE:

ROOF DRAINS FOR LOTS 78-85 SHALL DISCHARGE TO THE PROPOSED S.D.'s FRONTING THE LOTS.

GRAPHIC SCALE



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 R
 - MFPG=XXX.X
 - XX
 - XXX.X
 - MFPG=XXX.X
 - FRONT R/W
- DENOTES REAR PROTECTION GRADES
- LOT NUMBER PAD ELEVATION
- DENOTES FRONT PROTECTION GRADES

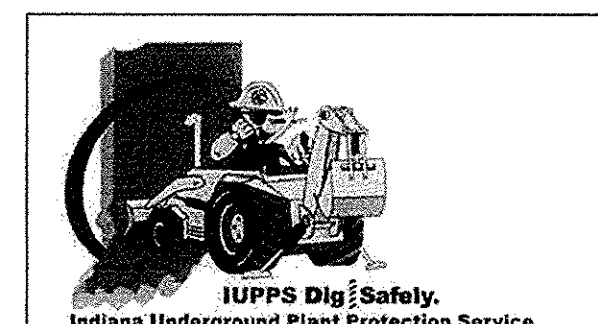
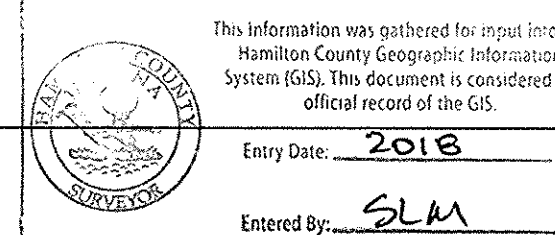
- PROPOSED 6" DUAL WALL HANCOR HI-Q TYPE 4 UNDERDRAINS UNDER CURB.
- MIN. FINISH FLOOR ELEV. IS BASED OFF OF THE BELOW CRITERIA, WHICHEVER IS HIGHER:
 1. (1) FOOT ABOVE THE NEAREST UPSTREAM OR DOWNSTREAM SANITARY MANHOLE WHICH EVER IS LOWEST.
 2. 15" (1.25') ABOVE THE ROAD ELEVATION
 3. 6" (0.5') ABOVE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



811
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DATE	MARK
07/29/14	ASB/LLS
07/29/14	ADDED M.A.G TO REAR OF LOTS 78-81
07/29/14	REVISED PER EROSION COMMENTS
07/29/14	REVISED PER CTM COMMENTS
07/29/14	REVISED PER TAC COMMENTS

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY. A ROUTE REPORT IS REQUIRED FOR LOCATION REPORT.

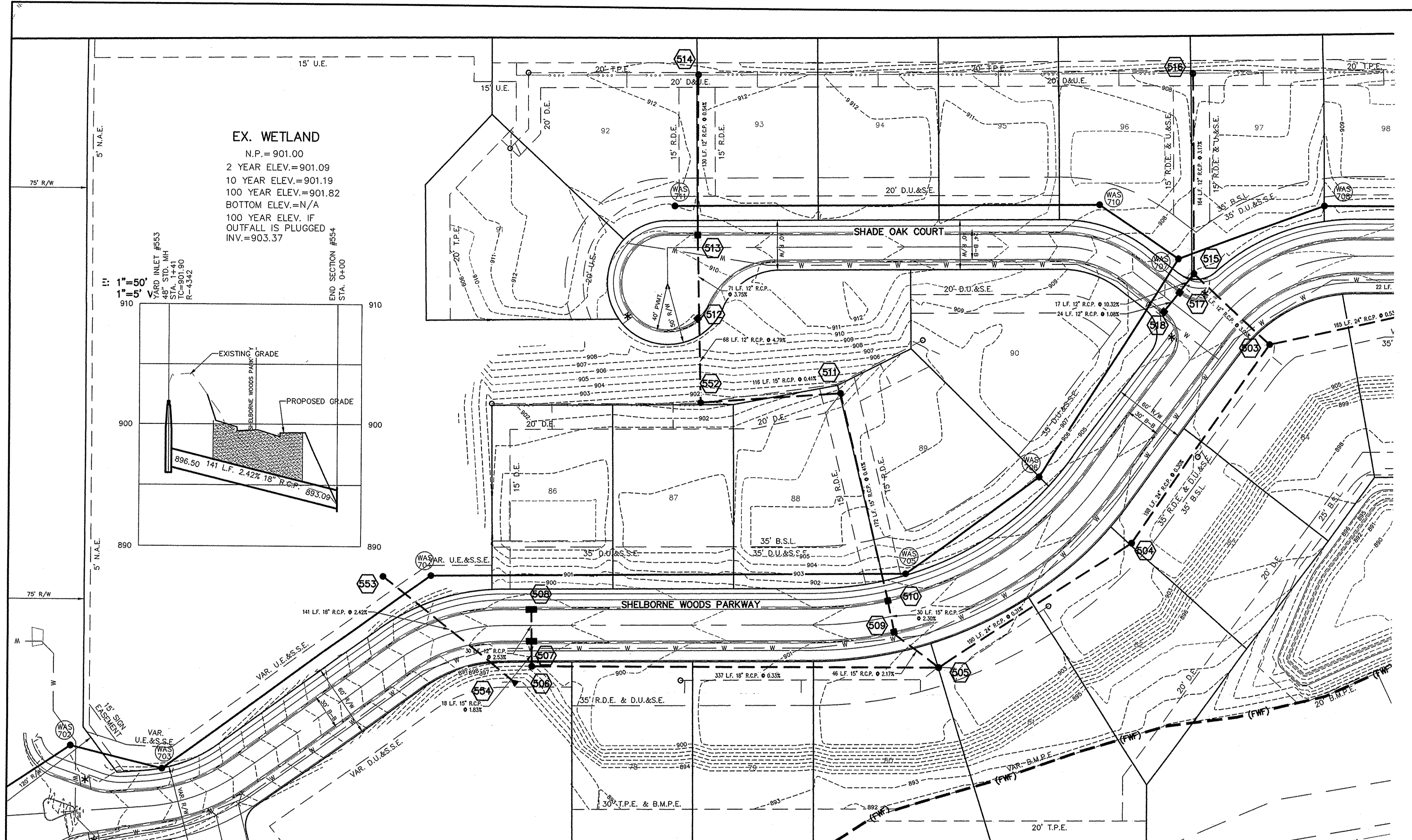
CERTIFIED: 04/18/14
David J. Stoppelwirth

STOEPPELWERTH
ALWAYS ON
7945 East 106th Street, Fishers, IN 46038-2005
Phone: 317.848.5555 Fax: 317.848.5494

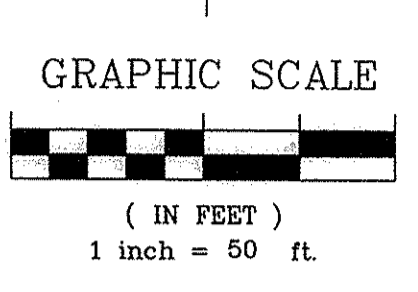
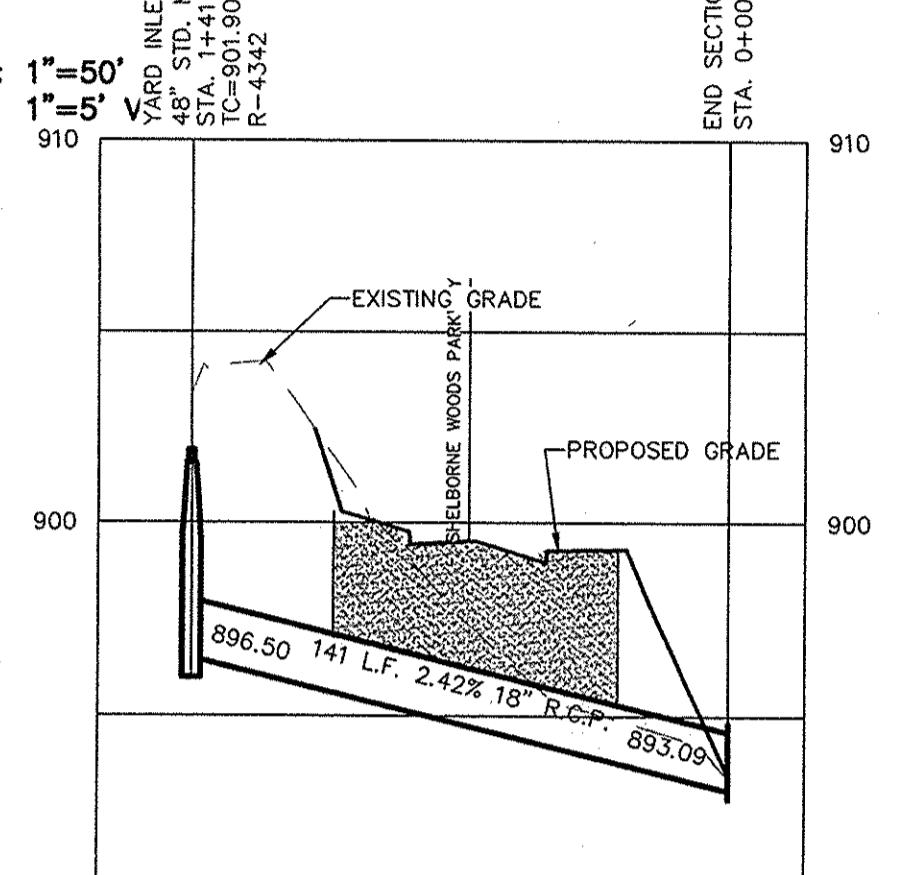
SITE & UTILITY DEVELOPMENT PLAN
THE WOODS AT SHELBORNE, SECTIONS 1 & 2
HAMILTON COUNTY, INDIANA
CLAY TOWNSHIP

DRAWN BY: JSM
CHECKED BY: BKR
SHEET NO. **C201**
3 & A 409 NO. 65795LFD

S:\65795LFD\DWG\C200-SITE DEVELOPMENT PLAN.dwg - C201-SITE PLAN
October 30, 2015 2:25:30 PM / kmitchell
October 30, 2015 2:30:26 PM / Kenny Mitchell
File Name:
Modified By:
Plotted By:



EX. WETLAND
 N.P. = 901.00
 2 YEAR ELEV. = 901.09
 10 YEAR ELEV. = 901.19
 100 YEAR ELEV. = 901.82
 BOTTOM ELEV. = N/A
 100 YEAR ELEV. IF
 OUTFALL IS PLUGGED
 INV. = 903.37



■ 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.

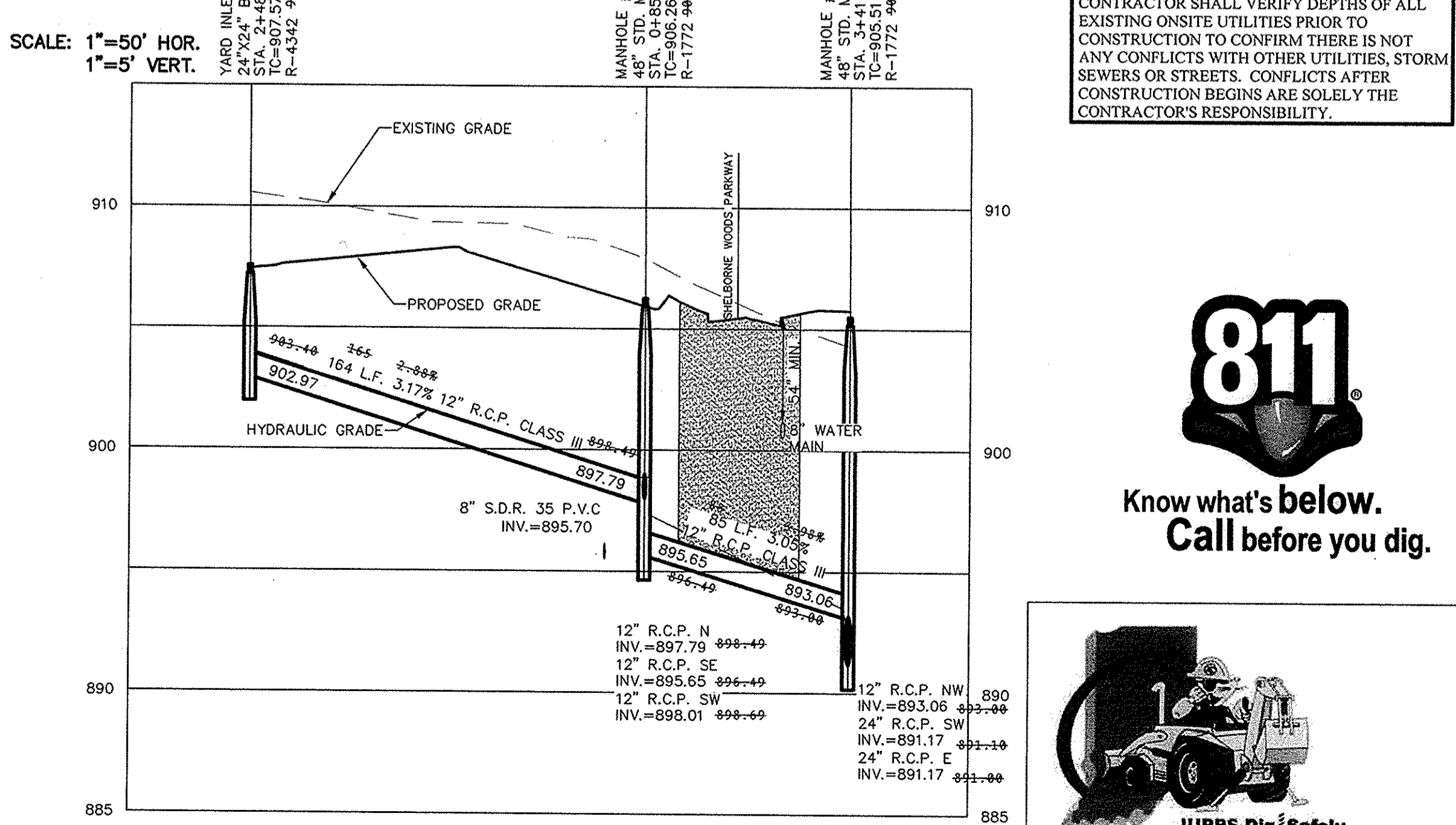
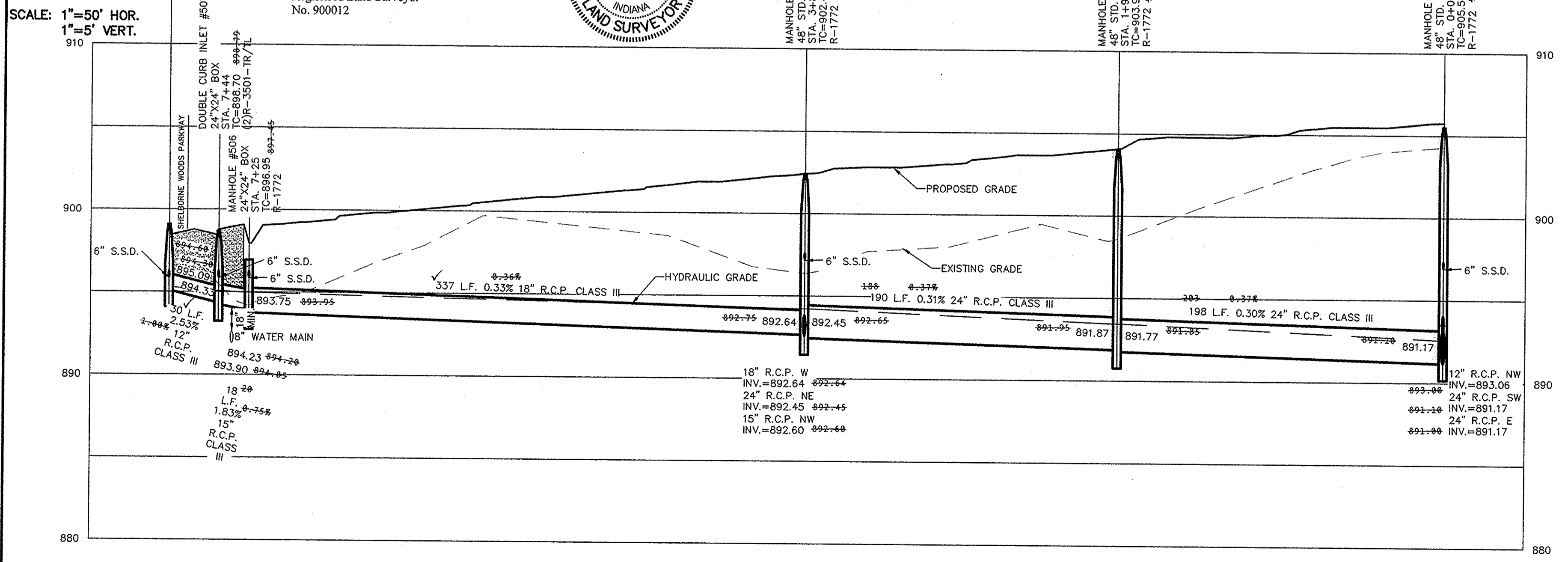
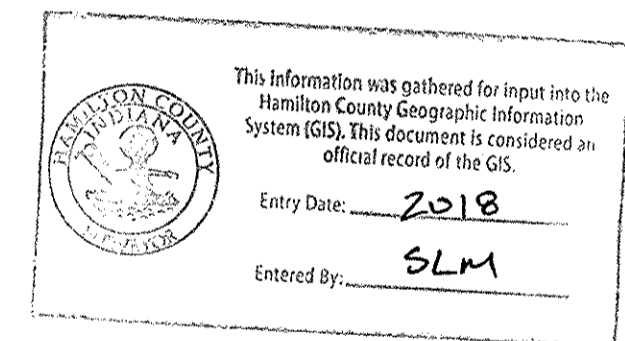
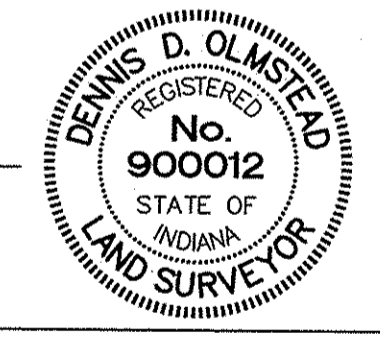
STORM SEWER NOTE

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STORM SYSTEM
 STORM SEWERS FOR THIS DEVELOPMENT WILL BE PUBLIC.

RECORD DRAWING

D. D. Olmstead
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012



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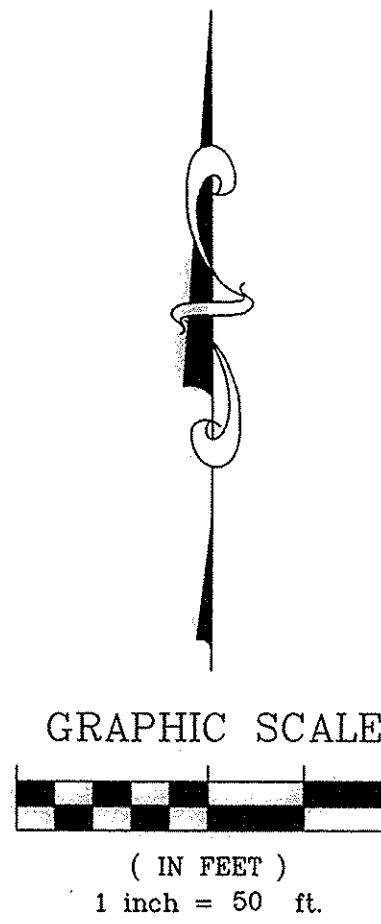
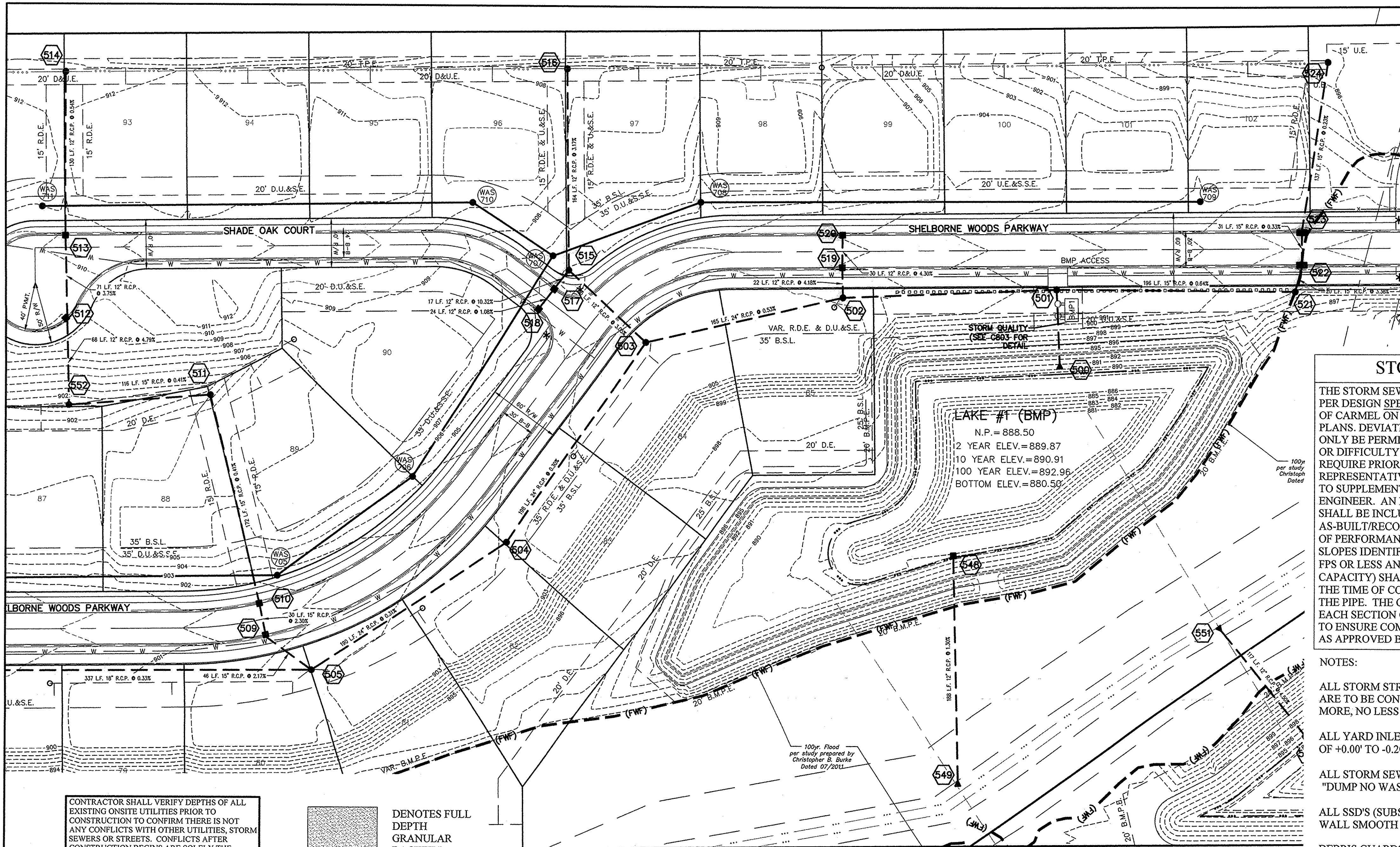


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 October 30, 2015 2:03:07 PM / kmitchell
 October 30, 2015 2:03:31 PM / Kenny Mitchell
 Drawn By:
 Plotted By:

STOEPPELWERTH
 ALWAYS ON
 7905 East 106th Street, Fishers, IN 46038-2505
 phone 317.849.5925 fax 317.849.5942

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

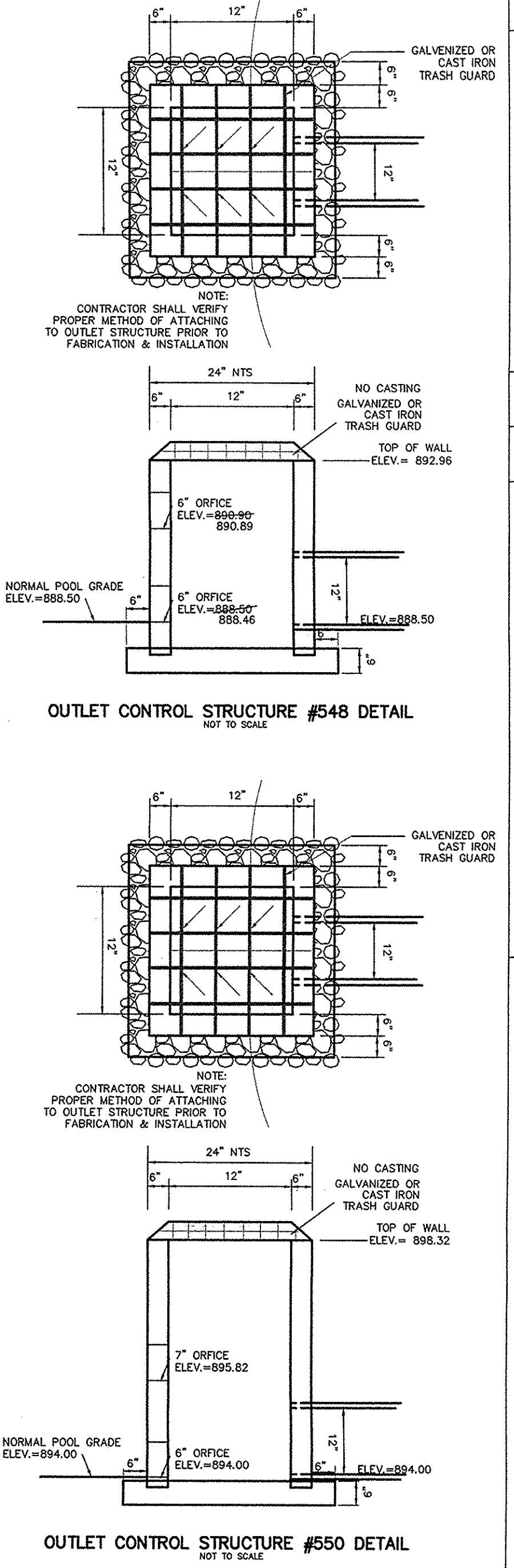
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 5 & A JOB NO. 65795LED



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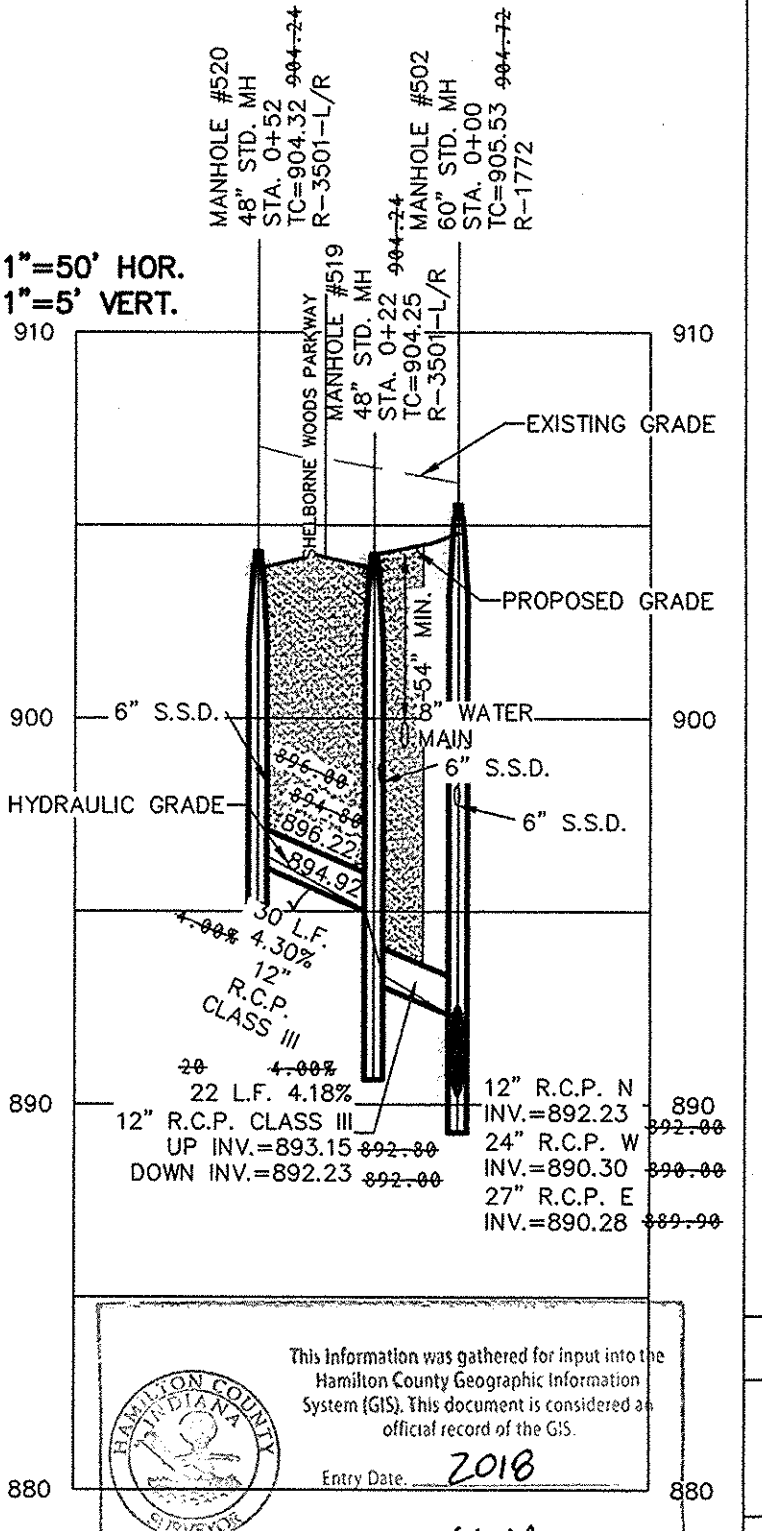
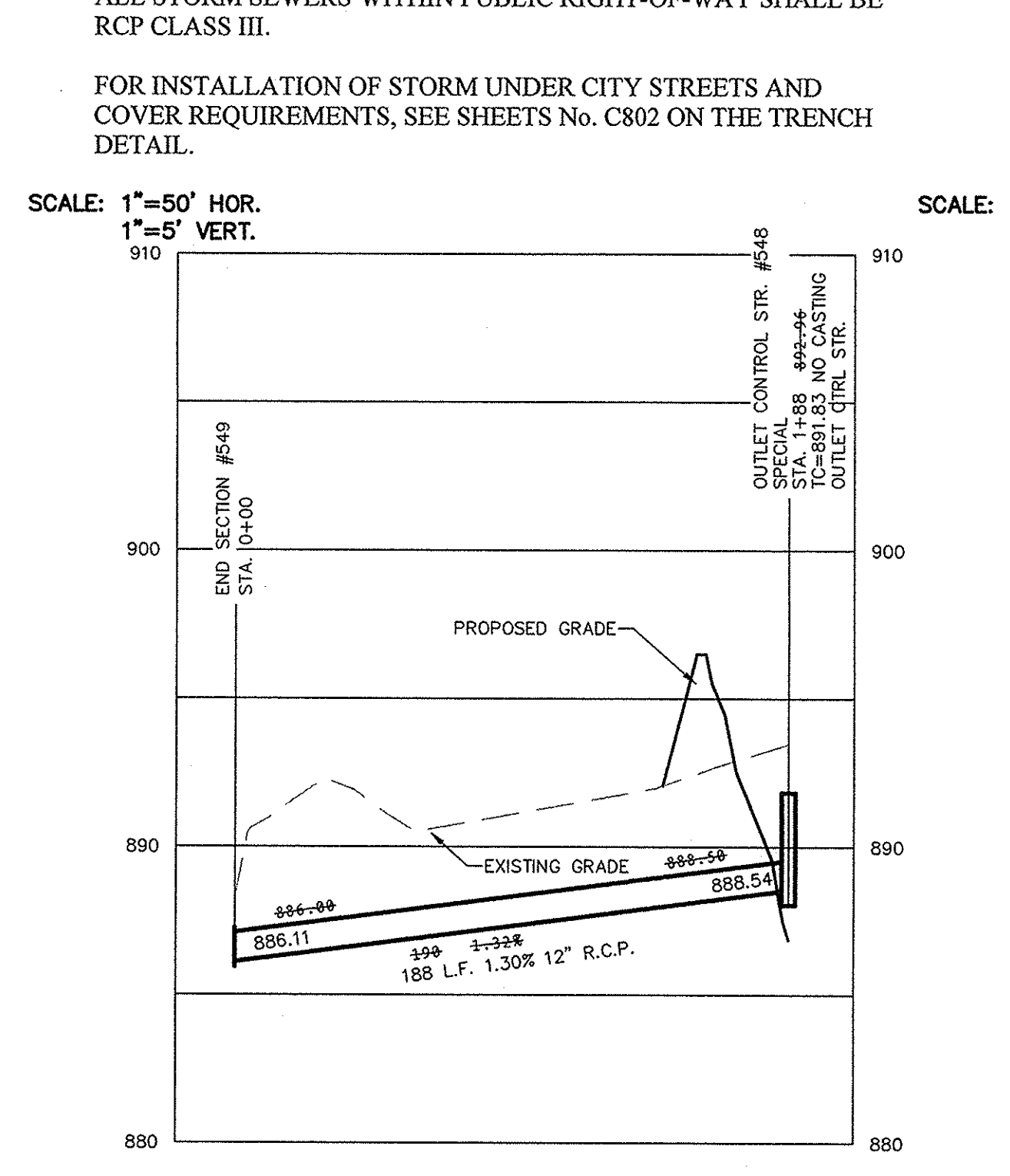
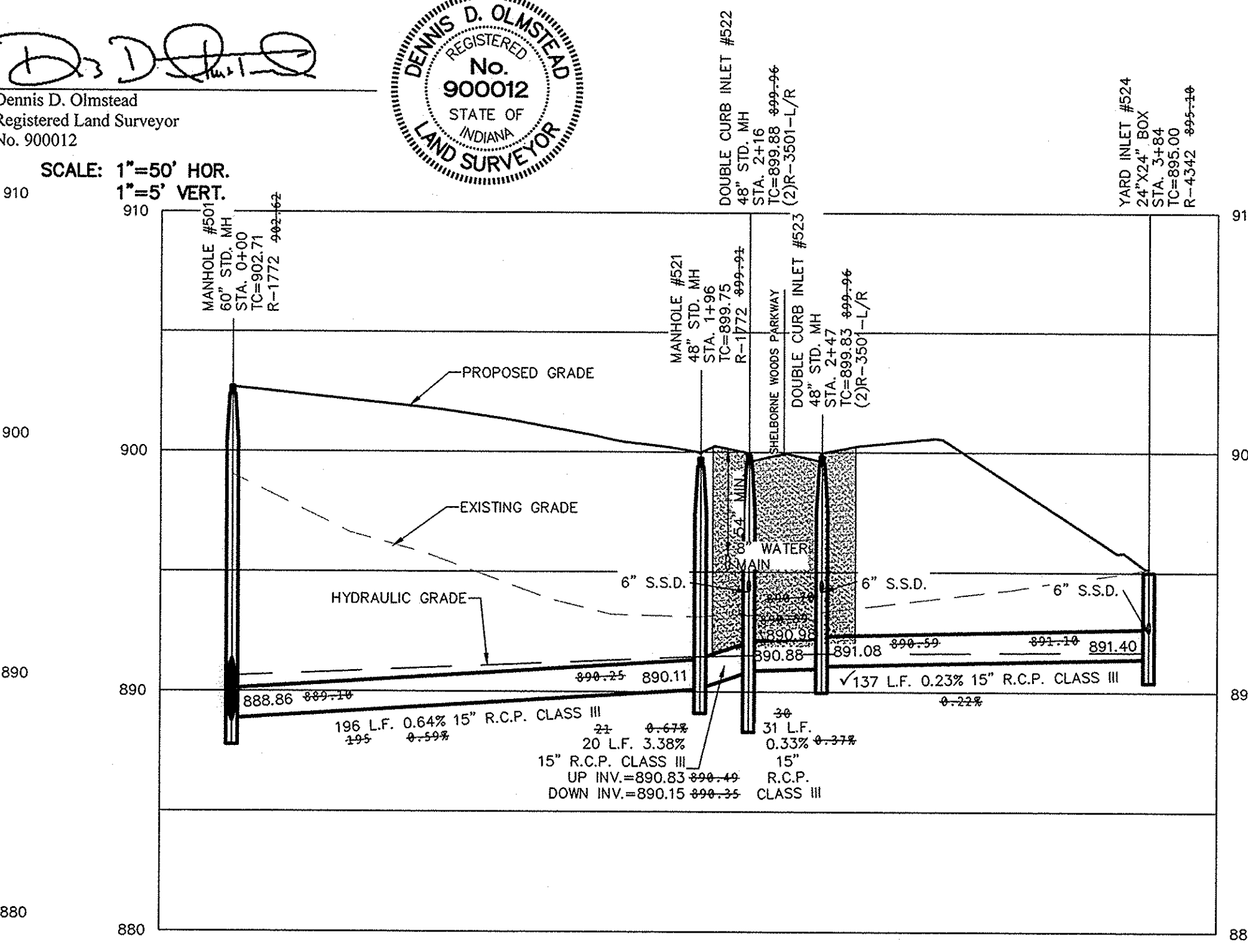
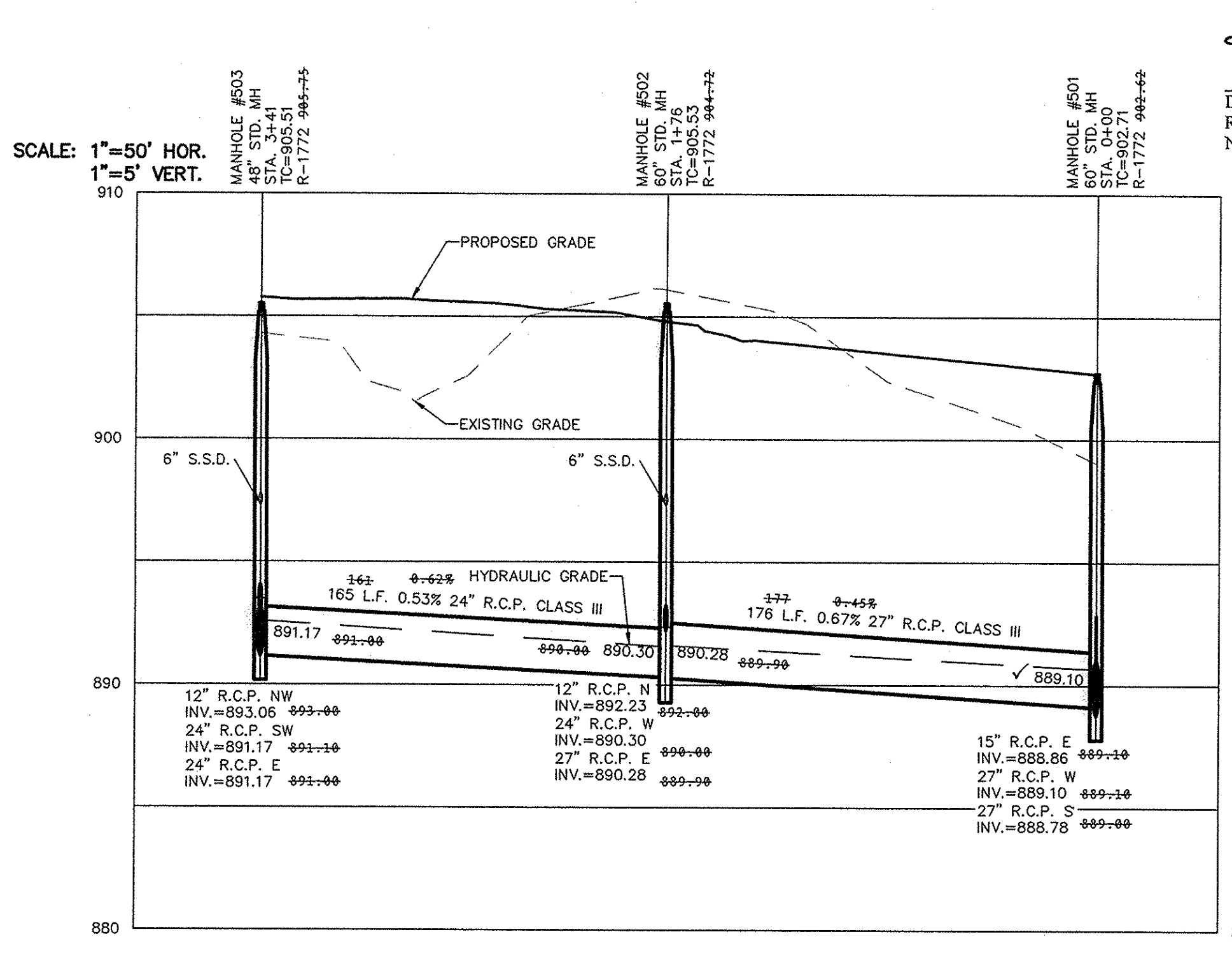
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DENOTES FULL DEPTH GRANULAR BACKFILL

RECORD DRAWING



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 Modified / By: October 30, 2015 2:03:07 PM / kmitchell
 Plotted / By: October 30, 2015 2:03:55 PM / Kenny Mitchell

ASBUILTS REVISED PER TAC COMMENTS DATE MARK

07/29/14

04/18/14

David J. Stoepelwerth

REGISTERED PROFESSIONAL ENGINEER

No. 19358

STATE OF INDIANA

THIS DRAWING IS NOT INTENDED TO BE THE ORIGINAL BOUNDARY SURVEY OR A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.

CERTIFIED: 04/18/14

David J. Stoepelwerth

STOEPPELWERTH

ALWAYS ON

7565 East 10th Street, Fishers, IN 46038-2905
 phone: 317.849.9393 fax: 317.849.5942

STORM PLAN & PROFILE

THE WOODS AT SHELBORNE, SECTIONS 1 & 2

HAMILTON COUNTY, INDIANA

CLAY TOWNSHIP

DRAWN BY: JSM CHECKED BY: BKR

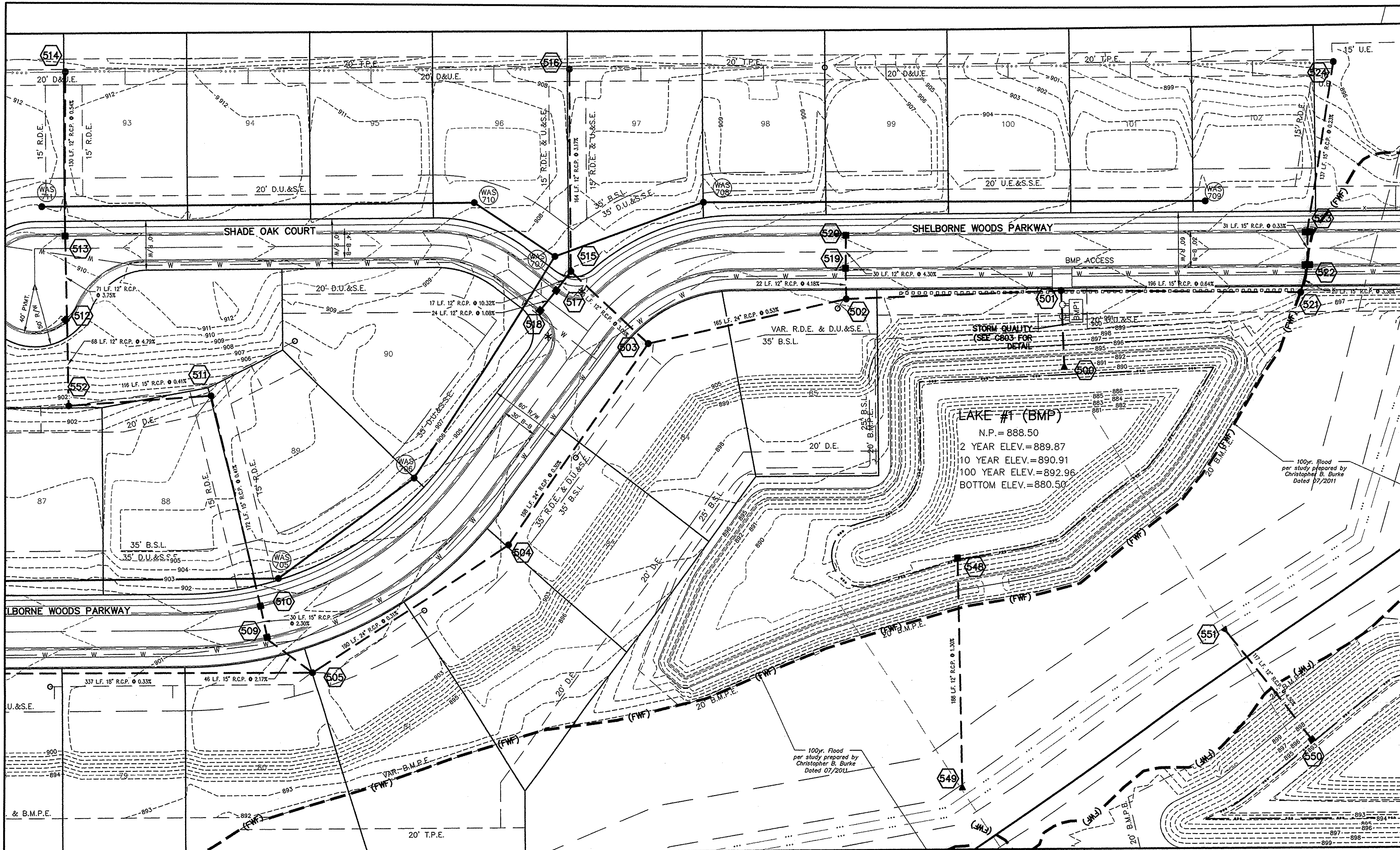
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S & A JOB NO. 65795LED

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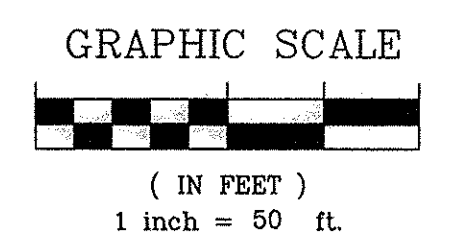
Entry Date: 2016

Entered By: SLW



STORM SEWER NOTE

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■ DENOTES FULL DEPTH GRANULAR BACKFILL

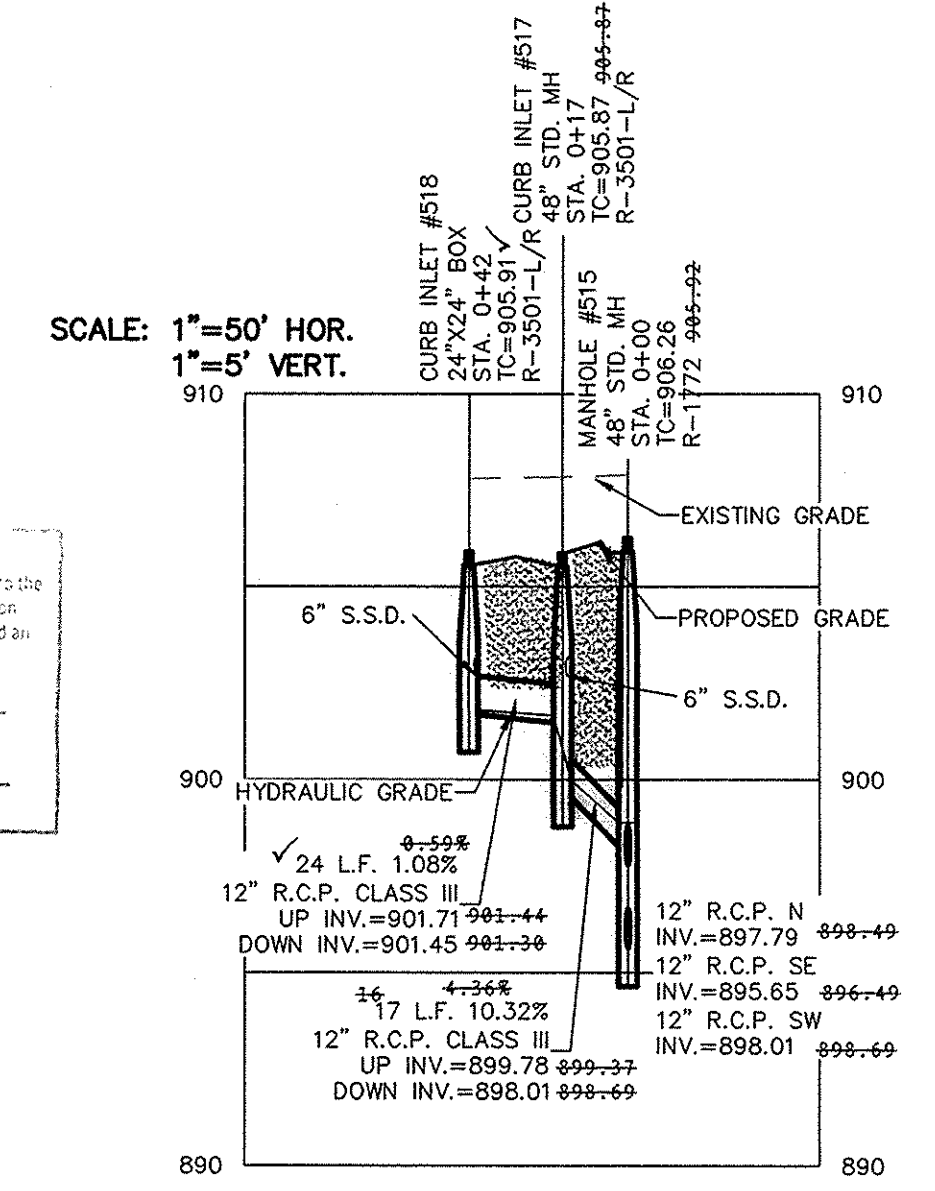
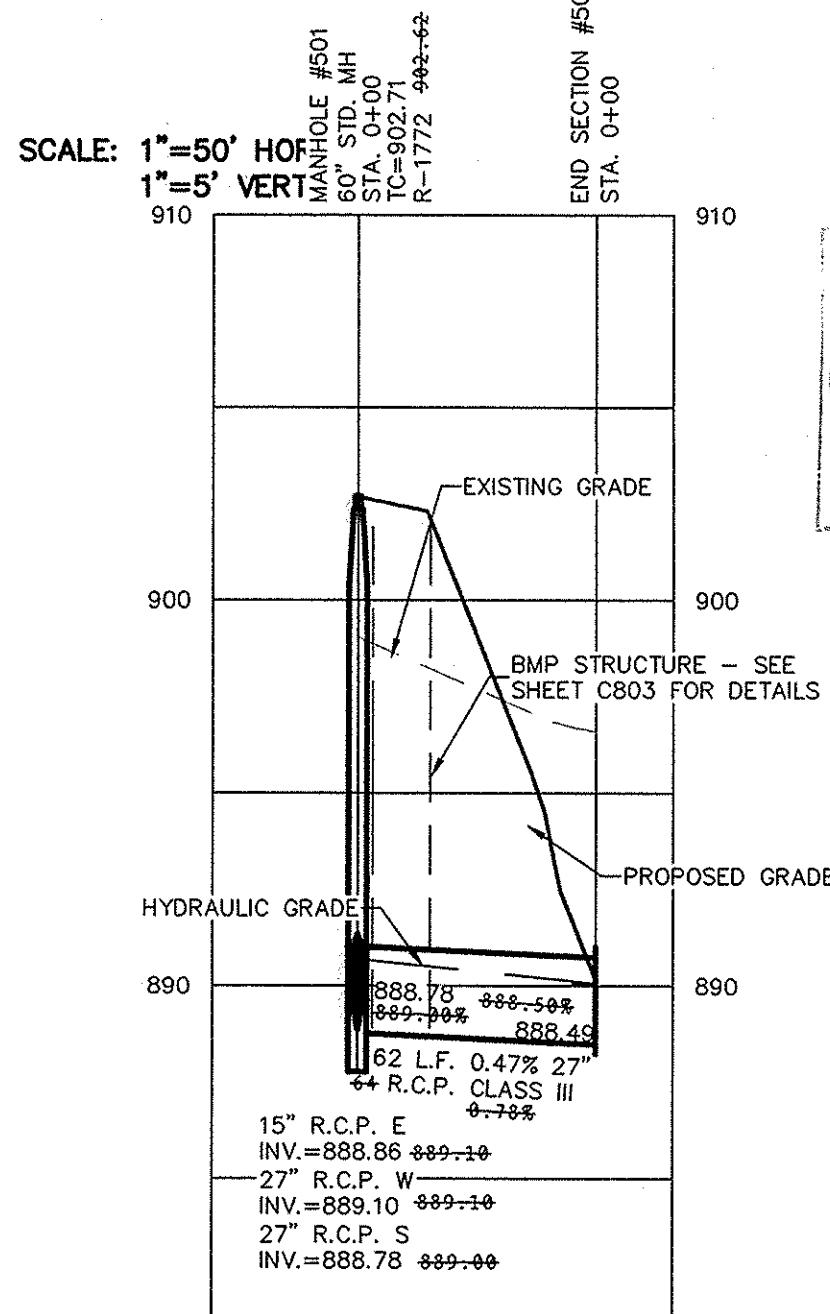
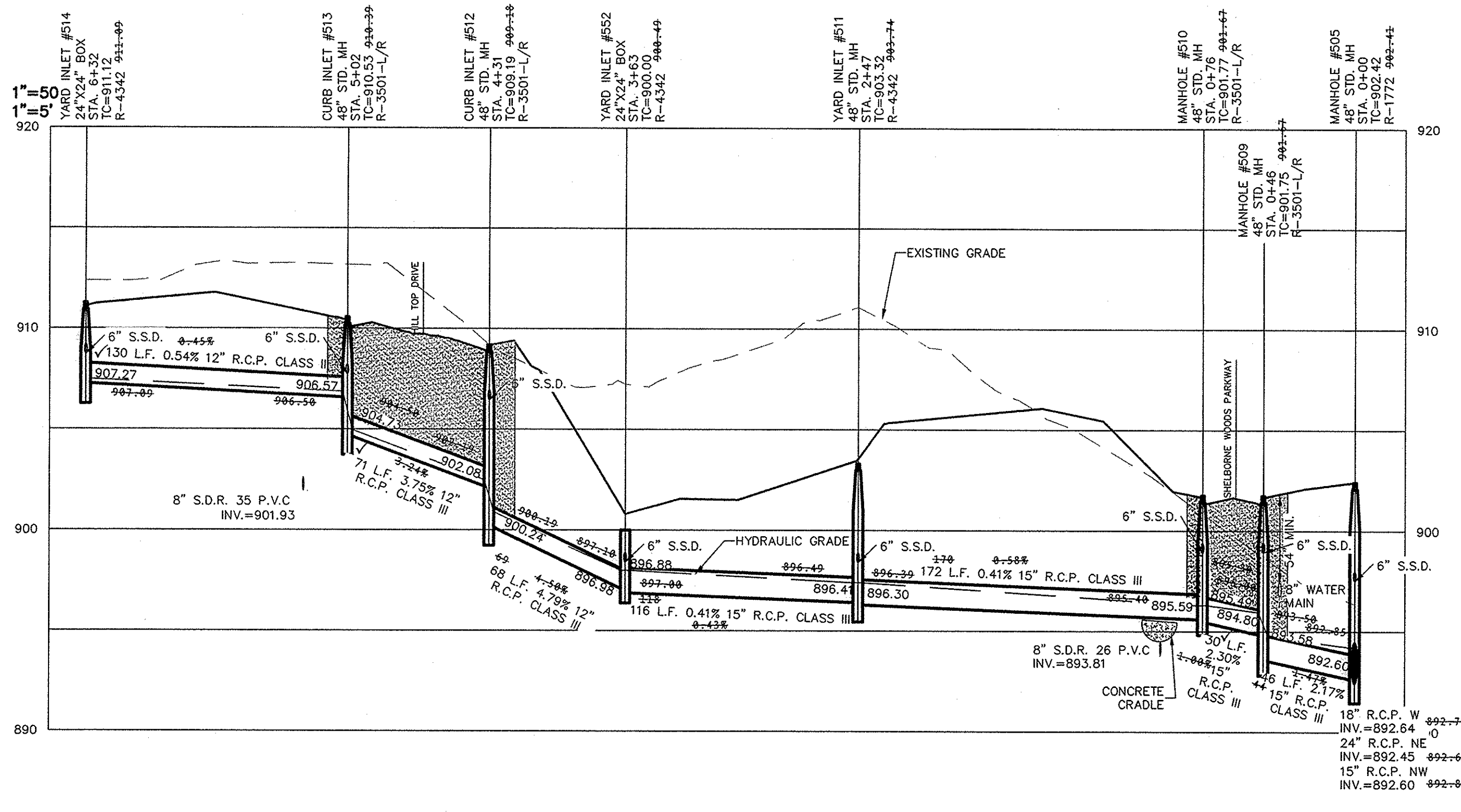
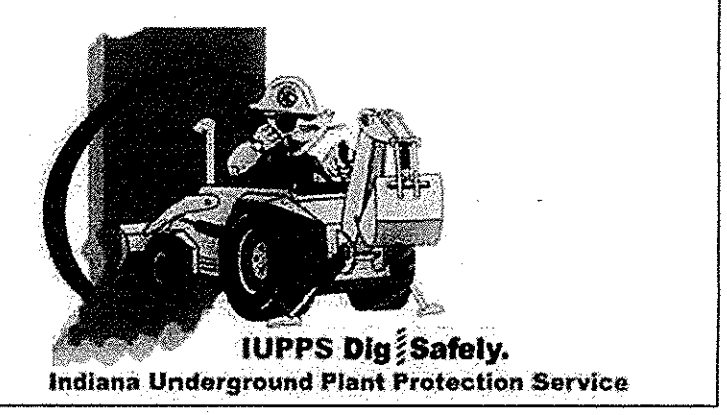
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Entered By: SLM

RECORD DRAWING

Dennis D. Olmstead
Registered Land Surveyor
No. 90012



File Name: S:\5795LEDC\DWG\C602-STORM PLAN & PROFILE.dwg - C602 - STORM PNP
October 30, 2015 2:03:07 PM / kmitchell
Plotted By: October 30, 2015 2:04:16 PM / kenny mitchell

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A ALWAYS ON
7965 East 106th Street, Fishers, IN 46038-2805
Phone: 317.649.5955 Fax: 317.649.5942

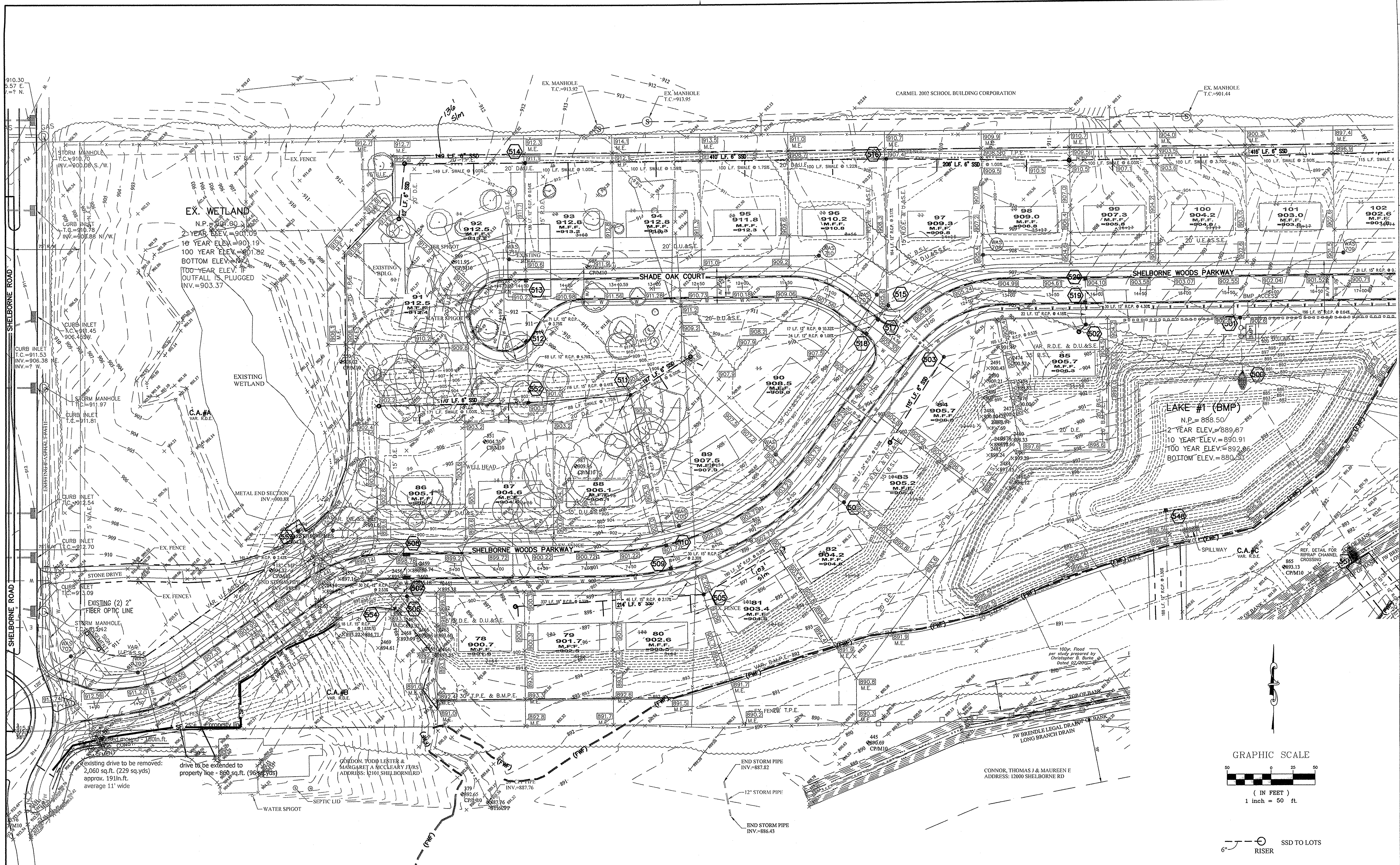
STORM PLAN & PROFILE
THE WOODS AT SHELBORNE, SECTIONS 1 & 2
CLAY TOWNSHIP
HAMILTON COUNTY, INDIANA

DRAWN BY: JSM
CHECKED BY: BKR
SHEET NO: C602
S & A JOB NO: 65795LED

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CERTIFIED: 04/18/14
David J. Stappeler
REGISTERED PROFESSIONAL ENGINEER
No. 19358
STATE OF INDIANA

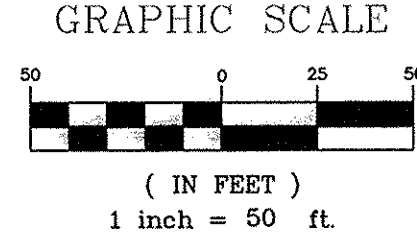
REVISIONS
DATE
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BY

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 Plotted / By: January 9, 2018 2:02:02 PM / Christian Espasito



EX. WETLAND
 N.P. = 901.90
 2 YEAR ELEV. = 901.08
 10 YEAR ELEV. = 901.19
 100 YEAR ELEV. = 901.82
 BOTTOM ELEV. = 899.54
 100 YEAR ELEV. PLUGGED
 INV. = 903.37

LAKE #1 (BMP)
 N.P. = 888.50
 2 YEAR ELEV. = 889.87
 10 YEAR ELEV. = 890.91
 100 YEAR ELEV. = 892.85
 BOTTOM ELEV. = 880.30



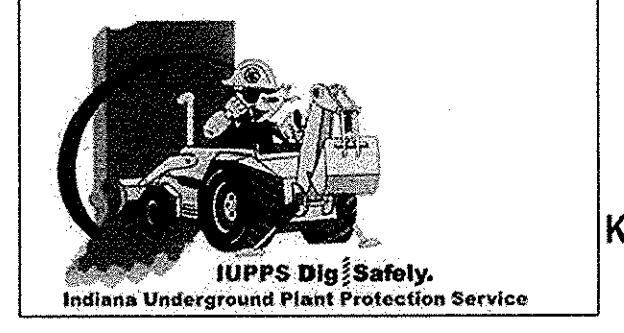
6" RISER
 SSD TO LOTS

SECTION 1 RECORD DRAWING

NOTE TO CONTRACTOR:
 EXTEND SUBSURFACE DRAIN SERVICE CONNECTIONS PAST SILT FENCE TO HOME SIDE IN REAR YARDS

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 Entered By: SLM

Dennis D. Olmstead
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012



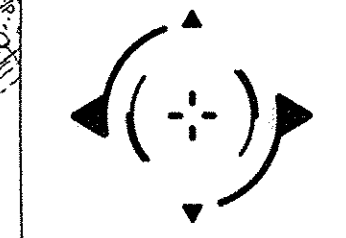
811
 Know what's below.
 Call before you dig.

DRAWN BY: JSM
 CHECKED BY: BKR
 SHEET NO: C605
 S & A JOB NO: 65795LED

DATE	MARK	REVISIONS
07/18/14		AS BUILTS
		REVISED PER TAC COMMENTS

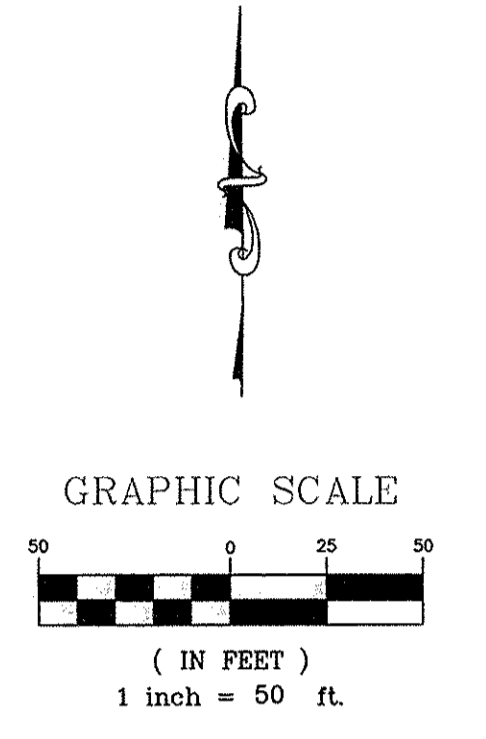
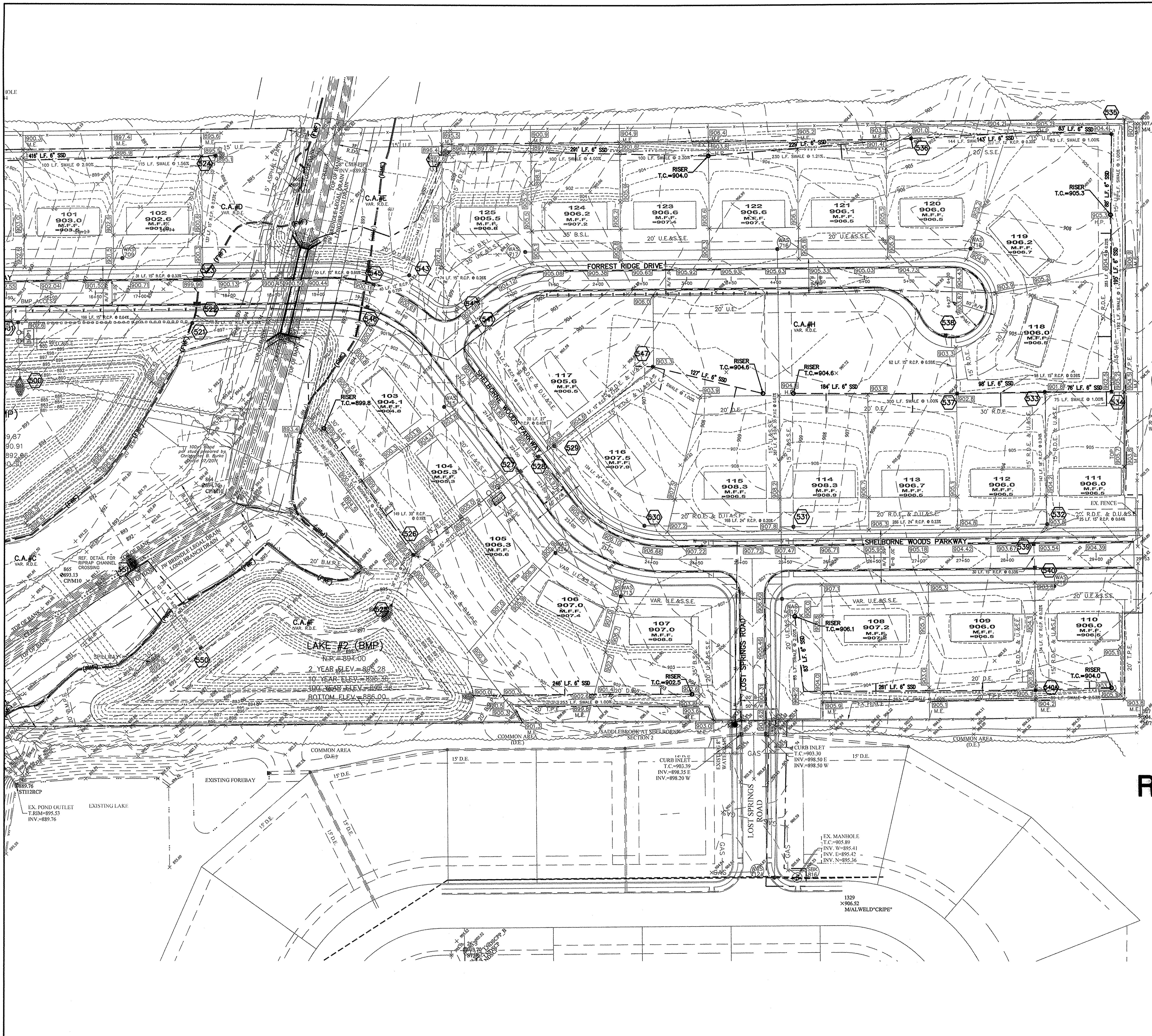
CERTIFIED: 04/18/14
David J. Stoeppelwerth
 David J. Stoeppelwerth
 Registered Professional Engineer
 No. 19358
 STATE OF INDIANA

STOEPPELWERTH
 ALWAYS ON
 7905 East 106th Street, Fishers, IN 46038-2505
 phone: 317.815.5905 fax: 317.815.5912



SUMP PLAN
 THE WOODS AT SHELBORNE, SECTIONS 1 & 2
 HAMILTON COUNTY, INDIANA
 CLAY TOWNSHIP

S:\65795LED\DWG\C606-SUMP PLAN.dwg - C606-SUMP PLAN
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 Modified / By:
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SSD TO LOTS
 RISER

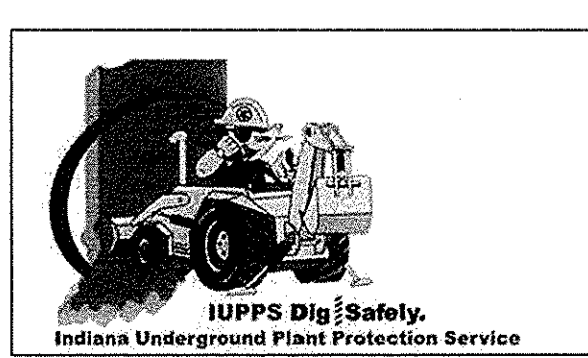
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: 2018
 Entered By: SLM

SECTION 2 RECORD DRAWING

D. D. Olmstead
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012



NOTE TO CONTRACTOR:
 EXTEND SUBSURFACE DRAIN SERVICE CONNECTIONS PAST SILT FENCE TO HOME SIDE IN REAR YARDS



811
 Know what's below.
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<p>THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OF ORIGINAL BOUNDARY SURVEY. A ROUTE REPORT OR A SURVEY LOCATION REPORT.</p> <p>CERTIFIED: 04/18/14 <i>David J. Stoepelwerth</i></p>	<p>REGISTERED PROFESSIONAL ENGINEER No. 19358 STATE OF INDIANA</p>	<p>SECTION 2 AS BUILT REVISED PER CROSSROADS COMMENTS JSM 07/19/17</p>	<p>DATE 07/19/14</p>	<p>MARK BY</p>
	<p>STOEPPELWERTH ALWAYS ON 7965 East 104th Street, Fishers, IN 46038-2805 phone: 317.849.3505 fax: 317.849.3542</p>	<p>SUMP PLAN</p>	<p>THE WOODS AT SHELBORNE, SECTIONS 1 & 2</p>	<p>HAMILTON COUNTY, INDIANA</p>
<p>DRAWN BY: JSM CHECKED BY: BKR</p>	<p>SHEET NO. C606</p>	<p>S & A JOB NO. 65795LED</p>		