

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

August 5, 2013

TO: Hamilton County Drainage Board

RE: Village of West Clay Drain, Section 10010D 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 Section 10010-D Arm, Village of West Clay 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 341 ft. 6" SSD 956 ft.

This proposal will add an additional 1,297 feet to the drains total length.

The subsurface drains (SSD) under curbs are not to be part of the regulated drain. This is per the agreement between Brenwick Development and the Hamilton County Commissioners on April 26, 1999. (See Commissioner's Minute Book 93, Pages 565-566). Only the main SSD lines which are located within the easements 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 are as follows:

- From Str. ex 405 to Str. 450 in the rear yards of lots 1233 to 1236.
- From Str. 450 to Str. ex. 429 in the rear yards of lots 1237 to 1239.
- From Str. ex. 405 running south in the rear yards of lots 1232 and 1233.
- From Str. ex. 431 running east, then north in the rear yards of lots 1240 and 1241.

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 \$5.00 per acre, \$5.00 per acre for roadways, with a \$120.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$1,440.00.

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:

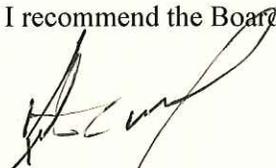
Agent: Liberty Mutual Insurance Company
Date: June 6, 2013
Number: 268003808
For: Storm Sewers
Amount: \$19,139.64

Parcels assessed for this drain will also be assessed for the Long Branch Drain.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. The request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Village of West Clay Section 10010-D as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for September 23, 2013.



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Village of West Clay Drain, Section 10010-D Arm

On this 23rd day of September, 2013, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Village of West Clay Drain, Section 10010-D 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:



STATE OF INDIANA)
)
COUNTY OF HAMILTON)

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

In the matter of Village of Westclay, Subdivision, Section
10010-D 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 Village of Westclay, Section 10010-D, 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.

FILED
APR 26 2013

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 Lohmeyer

Printed Name

April 22, 2013

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

FILED

APR 26 2013

OFFICE OF HAMILTON COUNTY SURVEYOR

Adobe PDF Fillable Form



STOEPPELWERTH & ASSOCIATES, INC.

CONSULTING ENGINEERS • LAND SURVEYORS

June 4, 2013

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

Hamilton County Surveyor's Office
One Hamilton County Square, Suite 188
Noblesville, Indiana 46060

Curtis C. Huff
Vice President, COO
Professional Land Surveyor

Attention: Greg Hoyes

R.M. Stoepfelwerth
Founder
Professional Engineer
Professional Land Surveyor

Re: Village of WestClay, Section 10010 -D

Dear Mr. Hoyes:

Please accept the following Engineer's Estimate on behalf of Pulte Homes, LLC for Village of WestClay, Section 10010-D. The estimate is as follows:

Village of WestClay, Section 10010-D Performance Bond Cost Estimate

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Contract Amount</u>	120%	<u>Performance Bond</u>
Monumentation				\$ 1,000.00		\$ 1,200.00
Lot Corners	10	Lots	\$ 100.00	\$ 1,000.00		
Storm Sewer				\$20,103.64		\$ 24,124.37
12" Pipe	341	LF	\$ 24.00	\$ 8,184.00		
Inlet	1	Each	\$1,692.00	\$ 1,692.00		
SSD in Swale	956	LF	\$ 9.69	\$ 9,263.64		
SSD Laterals	10	Each	\$ 100.00	\$ 1,000.00		

If you have any questions regarding these estimates, please contact Brett A. Huff at (317) 570-4841.

Very truly yours,

STOEPPELWERTH & ASSOCIATES, INC.

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



7965 East 106th Street
Fishers, Indiana
46038-2505

317.849.5935
Fax: 317.849.5942
www.Stoepfelwerth.com

Cc: Matthew Lohmeyer
S:\55960PUL-S2\Blue_Book\Agency_Correspondence
HamiltonCountySurveyorHoyesEERvised06-04-13.doc



Bond No. 268004220

HCDB-2013-00035

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 Liberty Mutual Insurance Company a corporation organized and existing under the laws of the State of Massachusetts and authorized to transact business in the State of Indiana, as Surety, are held and firmly bound unto Hamilton County Drainage Board of One Hamilton County Square, Suite 188, Noblesville, IN 46060 as Obligee, in the penal sum of one thousand two hundred and 00/100 (\$1,200.00) 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 West Village at West Clay, Sec. 10010D subdivision.

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 6th day of June, 2013

Pulte Homes of Indiana, LLC
Principal

Bruce E. Robinson, VP & Treasurer

Liberty Mutual Insurance Company
Surety

Dory Malouf, Attorney-in-Fact

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 5994887



American Fire and Casualty Company
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint Brien O'Meara; Bruce E. Robinson; Colette R. Zukoff; David J. Furstenberg; Dory Malouf; James Ossowski; Jan M. Klym; Nicole M. Ocholik; Robert Porter; Steven M. Cook; Suzanne Treppa

all of the city of Bloomfield Hills, state of MI each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 15th day of February, 2013.



American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON ss
COUNTY OF KING

On this 15th day of February, 2013, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.



By: KD Riley
KD Riley, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

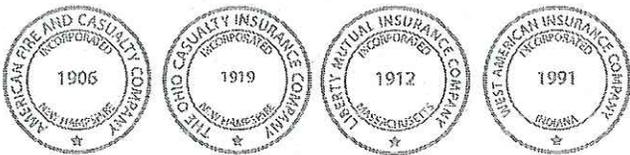
ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 6th day of June, 20 13.



By: David M. Carey
David M. Carey, Assistant Secretary

This copy is from the Digital Archive of the Hamilton County Surveyor's Office; Noblesville, In 46060

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



ACKNOWLEDGEMENT BY SURETY

STATE OF MICHIGAN)
)ss.
COUNTY OF OAKLAND)

On this 6th Day of June, 2013, before me, a Notary Public in and for said State, personally appeared Dory Malouf who acknowledges himself to be Attorney-in-Fact for Liberty Mutual Insurance Company, known to me to be the person who executed the said instrument on behalf of the said corporation executed the same.

WITNESS my hand and official seal.



Shirley E. Hutchins, Notary Public
Wayne County, Michigan
Acting in Oakland County, Michigan
My Commission Expires: March 30, 2017

SHIRLEY E. HUTCHINS
NOTARY PUBLIC, STATE OF MI
COUNTY OF WAYNE
MY COMMISSION EXPIRES Mar 30, 2017
ACTING IN COUNTY OF 



ACKNOWLEDGEMENT BY PRINCIPAL

STATE OF MICHIGAN)
)ss.
COUNTY OF OAKLAND)

On this 6th day of June, 2013, before me, the undersigned authorized employee, personally appeared Bruce E. Robinson who acknowledges himself to be VP & Treasurer of Pulte Homes of Indiana, LLC, and as such employee, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the Corporation by himself as such officer.

WITNESS my hand and official seal.

Shirley E. Hutchins
Shirley E. Hutchins, Notary Public
Wayne County, Michigan
Acting in Oakland County, Michigan
My Commission Expires: March 30, 2017

SHIRLEY E. HUTCHINS
NOTARY PUBLIC, STATE OF MI
COUNTY OF WAYNE
MY COMMISSION EXPIRES Mar 30, 2017
ACTING IN COUNTY OF *Wayne*

HCDB-2013-00034

SURETY RIDER



Liberty Mutual Insurance Company

To be attached to and form a part of

Bond No. 268003808
Bond Date" May 30, 2013
Bond Amount: \$30,373.35
Executed by: Pulte Homes of Indiana, LLC
, as Principal
and by: Liberty Mutual Insurance Company
, as Surety
in favor of: Hamilton County Drainage Board
(Obligee)

in consideration of the mutual agreements herein contained, the Principal and the Surety hereby consent to changing:

Increase Amount:
FROM: \$19,139.64
TO: \$24,124.37

This rider is effective: May 30, 2013

Signed and Sealed: June 6, 2013

Principal: Pulte Homes of Indiana, LLC

By: 
Principal: Bruce E. Robinson, VP & Treasurer

Surety: Liberty Mutual Insurance Company

By: 
Attorney-in-Fact: Dory Malouf

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 5994882

American Fire and Casualty Company
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company
West American Insurance Company



POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Brien O'Meara; Bruce E. Robinson; Colette R. Zukoff; David J. Furstenberg; Dory Malouf; James Ossowski; Jan M. Klym; Nicole M. Ocholik; Robert Porter; Steven M. Cook; Suzanne Treppa

all of the city of Bloomfield Hills, state of MI each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 15th day of February, 2013.



American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON ss
COUNTY OF KING

On this 15th day of February, 2013, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.



By: KD Riley
KD Riley, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 6th day of June, 2013.



By: David M. Carey
David M. Carey, Assistant Secretary

This copy is from the Digital Archive of the Hamilton County Surveyor's Office; Noblesville, In 46060

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



ACKNOWLEDGEMENT BY PRINCIPAL

STATE OF MICHIGAN)
)ss.
COUNTY OF OAKLAND)

On this 6th day of June, 2013, before me, the undersigned authorized employee, personally appeared Bruce E. Robinson who acknowledges himself to be VP & Treasurer of Pulte Homes of Indiana, LLC, and as such employee, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the Corporation by himself as such officer.

WITNESS my hand and official seal.


Shirley E. Hutchins, Notary Public
Wayne County, Michigan
Acting in Oakland County, Michigan
My Commission Expires: March 30, 2017

SHIRLEY E. HUTCHINS
NOTARY PUBLIC, STATE OF MI
COUNTY OF WAYNE
MY COMMISSION EXPIRES Mar 30, 2017
ACTING IN COUNTY OF *Oakland*



Bond No. 268003808

HCDB-2013-00036

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 Liberty Mutual Insurance Company a corporation organized and existing under the laws of the State of Massachusetts and authorized to transact business in the State of Indiana, as Surety, are held and firmly bound unto Hamilton County Drainage Board of One Hamilton County Square, Suite 188, Noblesville, IN 46060 as Obligee, in the penal sum of nineteen thousand one hundred thirty nine and 64/100 (\$19,139.64) 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 steward improvements in West Village at West Clay, Sec. 10010D subdivision.

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 30th day of May, 2013

Pulte Homes of Indiana, LLC
Principal

Bruce E. Robinson, VP & Treasurer

Liberty Mutual Insurance Company
Surety

Robert Porter, Attorney-in-Fact

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

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Certificate No. 5994670



American Fire and Casualty Company
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

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all of the city of Bloomfield Hills, state of MI each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 15th day of February, 2013.



American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON ss
COUNTY OF KING

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IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.



By: KD Riley
KD Riley, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 30th day of May, 20 13.



By: David M. Carey
David M. Carey, Assistant Secretary

This copy is from the Digital Archive of the Hamilton County Surveyor's Office; Noblesville, In 46060

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

ACKNOWLEDGEMENT BY PRINCIPAL

STATE OF MICHIGAN)
)ss.
COUNTY OF OAKLAND)

On this 30th day of May, 2013, before me, the undersigned authorized employee, personally appeared Bruce E. Robinson who acknowledges himself to be VP & Treasurer of Pulte Homes of Indiana, LLC, and as such employee, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the Corporation by himself as such officer.

WITNESS my hand and official seal.



Shirley E. Hutchins, Notary Public
Wayne County, Michigan
Acting in Oakland County, Michigan
My Commission Expires: March 30, 2017

SHIRLEY E. HUTCHINS
NOTARY PUBLIC, STATE OF MI
COUNTY OF WAYNE
MY COMMISSION EXPIRES Mar 30, 2017
ACTING IN COUNTY OF 

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Village of West Clay Drain, Section 10010-D Arm

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Village of West Clay Drain, Section 10010-D Arm** on **September 23, 2013** at **9:15 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

Village of West Clay Drain, Section 10010-D 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 23, 2013** 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: Pamela Louks

ONE TIME ONLY

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF THE

Village of West Clay Drain, Section 10010-D Arm

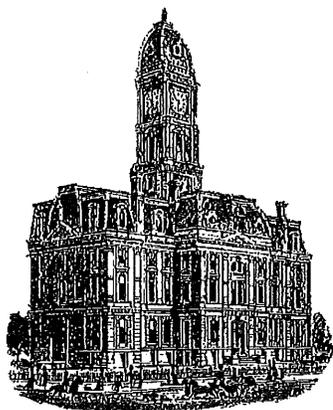
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **September 23, 2013** 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



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

March 31, 2016

Re: Village of West Clay: Section 10010D

Attached are as-built, certificate of completion & compliance, and other information for Village of West Clay Section 10010D. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated August 5, 2013. The report was approved by the Board at the hearing held September 23, 2013. (See Drainage Board Minutes Book 15, Pages 171-173)
The changes are as follows:

The 12" RCP was lengthened from 341 feet to 359 feet. The 6" SSD was shortened from 956 feet to 953 feet. The length of the drain due to the changes described above is now **1,312 feet**.

The non-enforcement was approved by the Board at its meeting on September 23, 2013 and recorded under instrument #2013061000. The following sureties were guaranteed by Liberty Mutual Insurance and released by the Board on its meeting March 28, 2016.

Bond-LC No: 268003808
Amount: \$19,139.64
For: Storm Sewers & SSD
Issue Date: June 6, 2013

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: Village of WestClay, Section 10010-D

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: September 20, 2013

Type or Print Name: Dennis D. Olmstead

Business Address: Stoeppelwerth & Associates, Inc.

7965 East 106th Street, Fishers, Indiana 46038

Telephone Number: (317) 849-5935



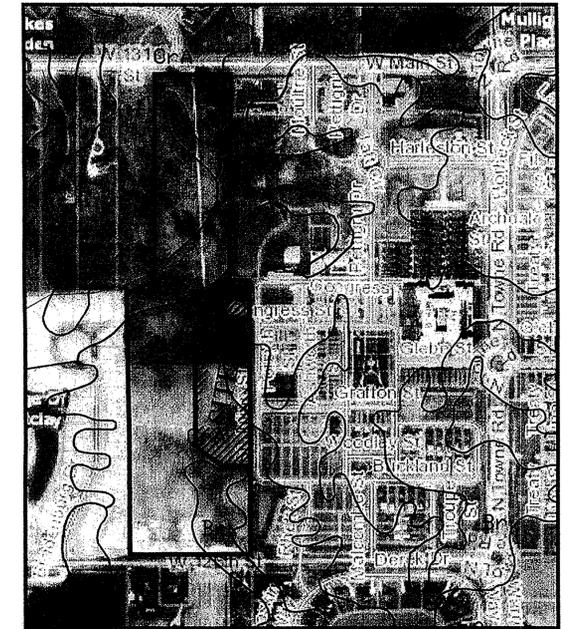
INDIANA REGISTRATION NUMBER

900012

VILLAGE OF WEST CLAY, SECTION 10010-D



VICINITY MAP
NOT TO SCALE



SOILS 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

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

UTILITY CONTACTS:

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

Carmel Water Utilities
3450 West 131st Street
Westfield, IN 46074

AT & T
5858 North College Avenue
Indianapolis, Indiana 46220

Brighthouse Networks
3030 Roosevelt Avenue
Indianapolis, Indiana 46218

Duke Energy
16475 Southpark Drive
Westfield, Indiana 46074

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

Vectren Energy
16000 Allisonville Road
Noblesville, Indiana 46060

Map Unit: Bs - Brookston silt clay loam, 0 to 2 percent slopes

Brookston silty clay loam (0 to 2 percent slopes) (Bs).--Some of this soil is in large tracts within which are irregularly shaped islandlike areas of lighter colored soils, and some of it is in drainageways and small depressions surrounded by lighter colored soils. This soil has the profile described as representative of the series.

The content of organic matter is high in this soil. Wetness is the main limitation that affects use and management.

If this Brookston soil is adequately drained, it is suited to all crops commonly grown in the county. Under proper management it can be used intensively for row crops. Its limitations for uses associated with residential development are severe. Capability unit II w-1: tree and shrub suitability group 1.

Map Unit: CRA - Crosby silt loam, 0 to 2 percent slopes

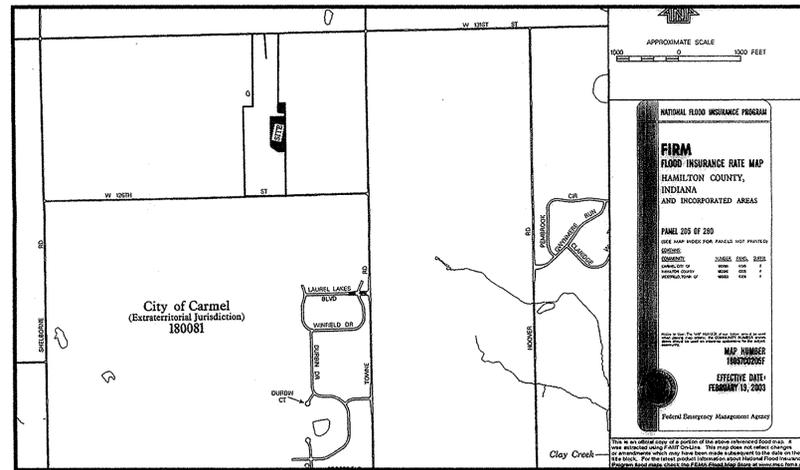
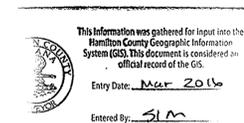
CRA--Crosby silt loam, 0 to 2 percent slopes
This is a somewhat poorly drained soil and has a seasonal high watertable at 0.5 to 2.0 ft. and is on rises on uplands. Slopes are 0 to 2 percent. The native vegetation is hardwoods. The surface layer is silt loam and has moderately low or moderate organic matter content (1.0 to 3.0 percent). 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 tile drainage.

DESIGN DATA

DESIGN SPEED = 25 M.P.H.

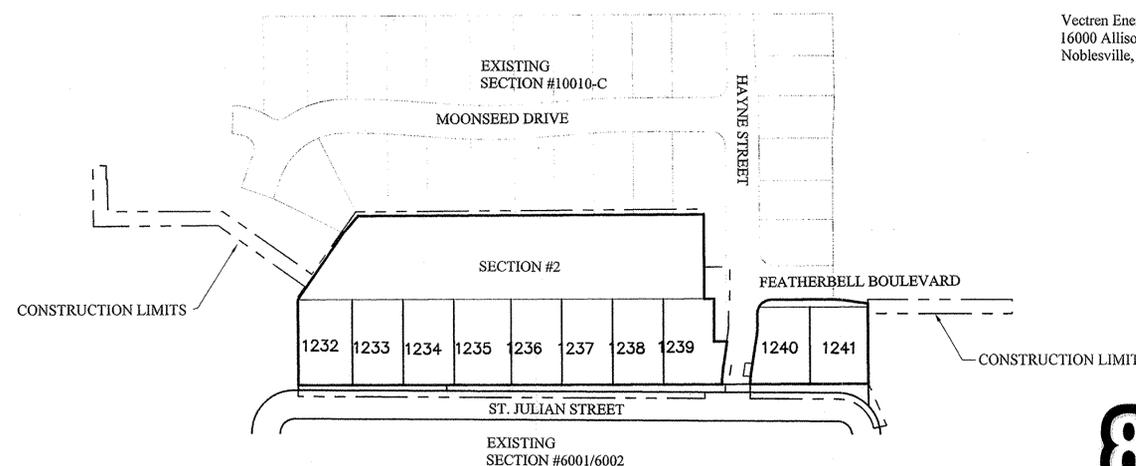
OPERATING AUTHORITY
CITY OF CARMEL (317) 571-2441
ONE CIVIC SQUARE
CARMEL, INDIANA 46032

FLOOD STATEMENT
NO PORTION OF THIS SITE LIES WITHIN FLOODPLAIN PER
FIRM 18057C0205F DATED FEB. 19, 2003



FEMA MAP
NOT TO SCALE

GRAPHIC SCALE
SCALE: 1"=150'



INDEX DESCRIPTION	
SHT.	TITLE SHEET
C001	TOPOGRAPHICAL SURVEY
C200-C202	SITE DEVELOPMENT PLAN/EMERGENCY FLOOD ROUTE PLAN/UTILITY PLAN
C300-C304	EROSION CONTROL PLAN/SWPP DETAILS AND SPECIFICATIONS
C400	CONCRETE CURB POLICY
C500-C501	SANITARY SEWER PLAN AND PROFILES
C600	STORM SEWER PLAN AND PROFILES
C700	WATER PLAN
C800-C803	CONSTRUCTION DETAILS AND SPECIFICATIONS SANITARY SEWER STORM SEWER STREET/ADA RAMP

REVISIONS DESCRIPTIONS	
SHT.	DESCRIPTIONS
ALL	REVISED PER TAC COMMENTS 04/12/13 DCM
COVER, C200, C500, C501, C600	RECORD DRAWINGS 09/12/13 DCM

RECORD DRAWING

D. D. Olmstead 9/19/2013 DATE
DENNIS D. OLMSTEAD
Registered Land Surveyor
No. 900012



Know what's below.
Call before you dig.



PLANS PREPARED BY:
STOEPPEL WERTH & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
7965 E. 106TH STREET, FISHERS, INDIANA 46038
PHONE: (317)-849-5935
FAX: (317)-849-5942
CONTACT PERSON: BRETT A. HUFF
EMAIL: BHUFF@STOEPPELWERTH.COM

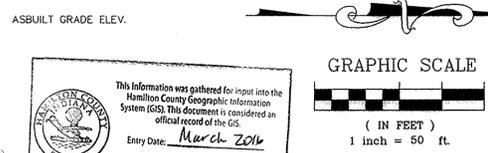
PLANS CERTIFIED BY:

David J. Stoepfel 3/14/13
DAVID J. STOEPPEL WERTH
PROFESSIONAL LAND SURVEYOR
NO. 19358

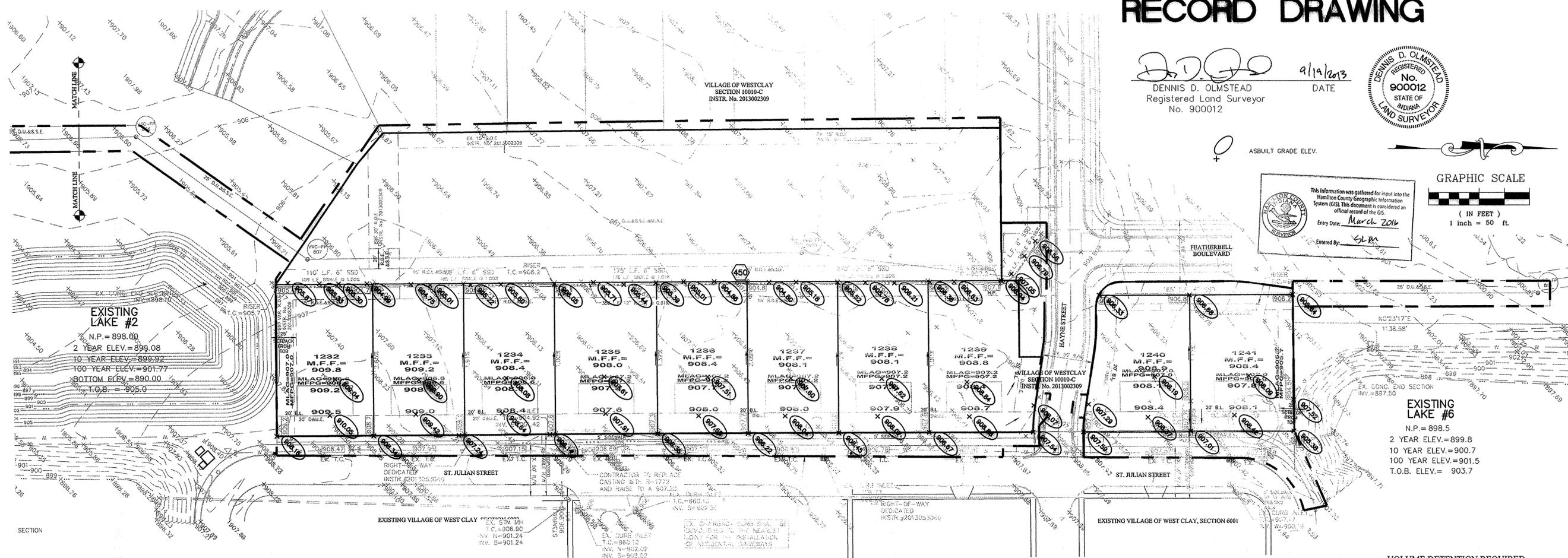


RECORD DRAWING

D.D.O.
 DENNIS D. OLMSTEAD
 Registered Land Surveyor
 No. 900012
 DATE: 9/19/2013



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: March 2016
 Entered By: *GLM*



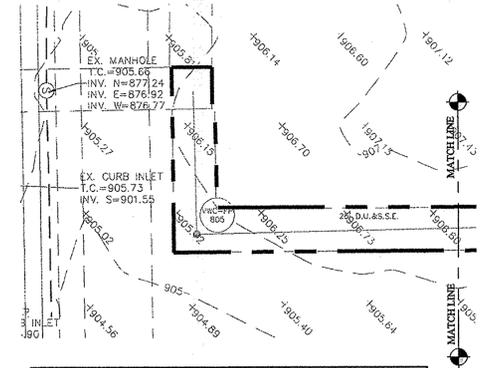
NO.	DATE	REVISIONS
1	09/19/2013	AS BUILT
2	03/14/13	REVISED PER TAC COMMENTS

STOEPPELWERTH
 REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 CERTIFIED: 3/14/13
David J. Stoepelwerth

SITE DEVELOPMENT PLAN
 VILLAGE OF WEST CLAY,
 SECTION 10010-D
 HAMILTON COUNTY, INDIANA
 CLAY TOWNSHIP

EXISTING LAKE #2
 N.P. = 898.00
 2 YEAR ELEV. = 899.08
 10 YEAR ELEV. = 899.92
 100 YEAR ELEV. = 901.77
 BOTTOM ELEV. = 890.00
 T.O.B. = 905.0

EXISTING LAKE #6
 N.P. = 898.5
 2 YEAR ELEV. = 899.8
 10 YEAR ELEV. = 900.7
 100 YEAR ELEV. = 901.5
 T.O.B. ELEV. = 903.7



Minimum Flood Protection Grades
 From Sections 104.02, 302.05 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 walkout, 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/flooding elevation across the property frontage.
 - 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 discharge 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 and facing a road shall be a minimum of 15 inches above the road elevation.

- LEGEND**
- 870 --- EXISTING CONTOUR
 - 870 --- EXISTING SANITARY SEWER
 - 870 --- EXISTING STORM SEWER
 - 870 --- EXISTING TOP OF CURB
 - 870 --- PROPOSED GRADE
 - 870 --- PROPOSED CONTOUR
 - 870 --- PROPOSED SANITARY SEWER
 - 870 --- PROPOSED STORM SEWER
 - W --- PROPOSED WATER LINE
 - --- PROPOSED SWALE
 - --- PROPOSED 5' SIDEWALK (BY HOME BUILDER) (DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)
- LOT NUMBER**
 PAD ELEVATION
- MFF=752.6** 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=753.0** MINIMUM FLOOD PROTECTION GRADE
MLAG=753.0 MINIMUM LOWEST ADJACENT GRADE
- 4" SSD TO LOT** RISER TC
6" DUAL WALL, HANCOR HI-C TYPE 4 SSD

STRUCTURE TABLE

STR.#	TYPE	T.C.	CASTING TYPE	DIAMETER IN	DIAMETER OUT	DIRECTION	IN_VIN	IN_OUT	DIAMETER	OUT_DIRECTION	IN_VIN	IN_OUT	SLOPE
EX-405	YARD INLET	4-1542		12"	12"	S			12"	S			0.01%
450	YARD INLET	4-1542		12"	12"	S			12"	S			0.01%

- 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.
- FORMEARTHWRK**

PIPE TABLE

NAME	SIZE	LENGTH	SLOPE	MATERIAL
EX-405	12"	358.5'	0.01%	R.C.P.
450	12"	358.5'	0.01%	R.C.P.

CONTACT:
 CARMEL UTILITIES (317) 571-2648
 FOR WATER AND SANITARY SEWER LOCATES

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.

DRAINAGE SUMMARY

OVERALL SITE ACREAGE=32.446 AC±
 SECTION 10010-D=5.311 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

RELEASE RATE (WITH 8" ORIFICE)
 LAKE #1 10 YR. 100 YR.
 ALLOWABLE 1.818cfs 4.363cfs
 POST DEV. 1.806cfs 4.302cfs

RELEASE RATE (WITH 7" ORIFICE)
 LAKE #2
 ALLOWABLE 1.438cfs 3.451cfs
 POST DEV. 1.403cfs 3.428cfs

VOLUME DETENTION REQUIRED
 LAKE #1 = 257,940 ft³
 LAKE #2 = 180,742 ft³

VOLUME DETENTION PROVIDED
 LAKE #1 = 258,798 ft³
 LAKE #2 = 320,786 ft³

LAKE #1 OFFSITE DRAINAGE:
 100 YR. cfs = 14.479 (PER VOWC SEC 6001 DRAINAGE REPORT)

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

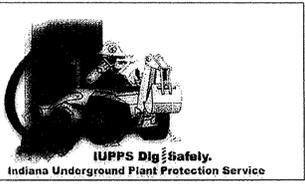
PRE DEVELOPED ONSITE ACREAGE
 OUTLET 1 = 18.18
 OUTLET 2 = 14.38
POST DEVELOPED ONSITE ACREAGE
 LAKE #1 = 16.93
 LAKE #2 = 15.56

FLOOD STATEMENT
 THIS SITE DOES NOT LIE WITHIN A FLOODWAY OR FLOOD PLAIN PER FIRM MAP 18057C0205F DATED FEB 19, 2003.

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

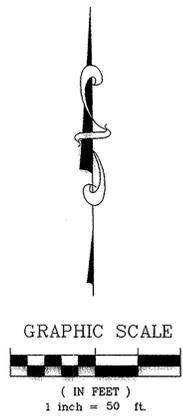
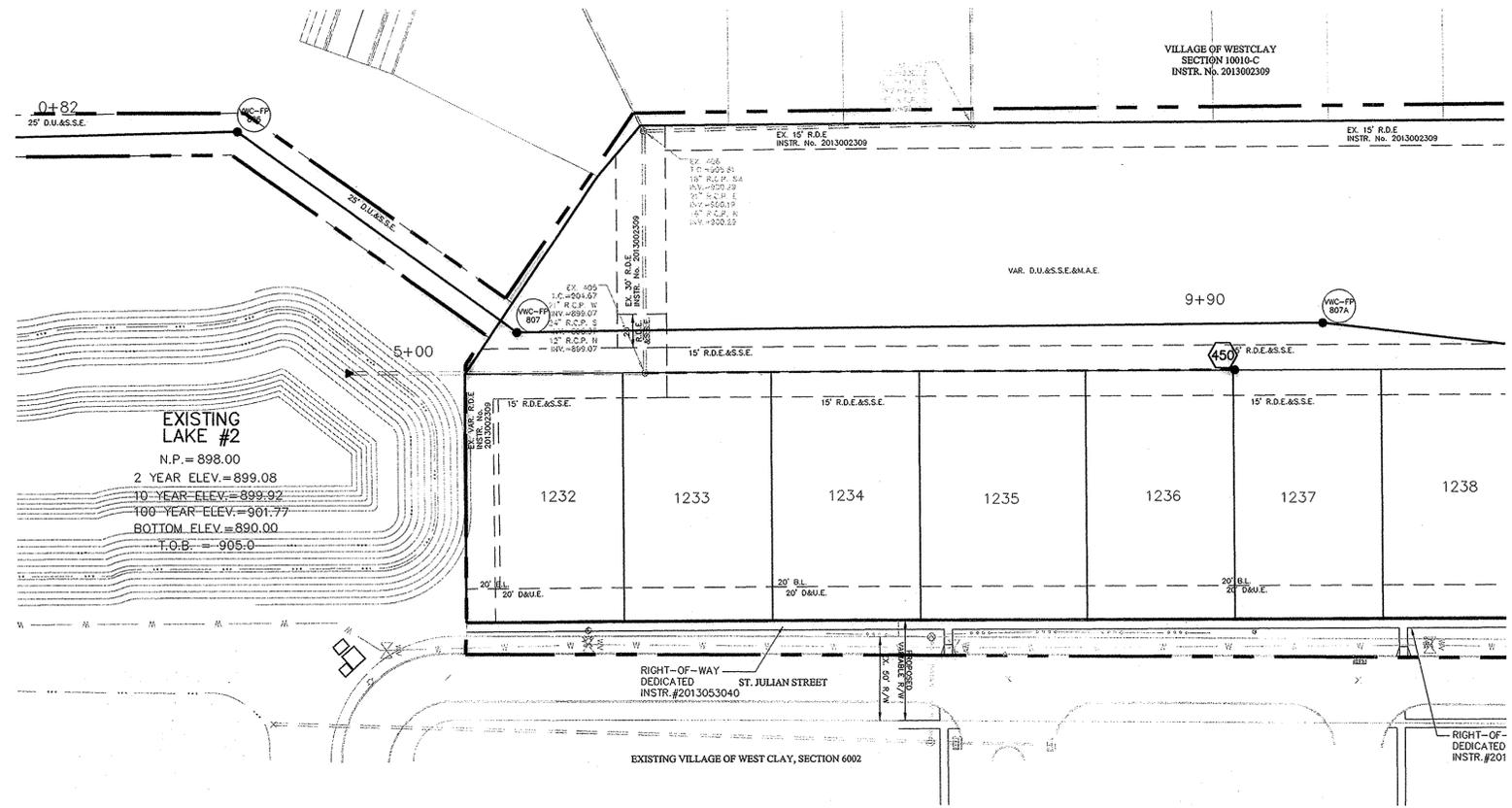
ADJACENT PROPERTIES
 NORTH: RESIDENTIAL
 EAST: RESIDENTIAL
 SOUTH: RESIDENTIAL
 WEST: RESIDENTIAL

STORM SYSTEM
 STORM SEWERS FOR THIS DEVELOPMENT WILL BE PUBLIC.



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

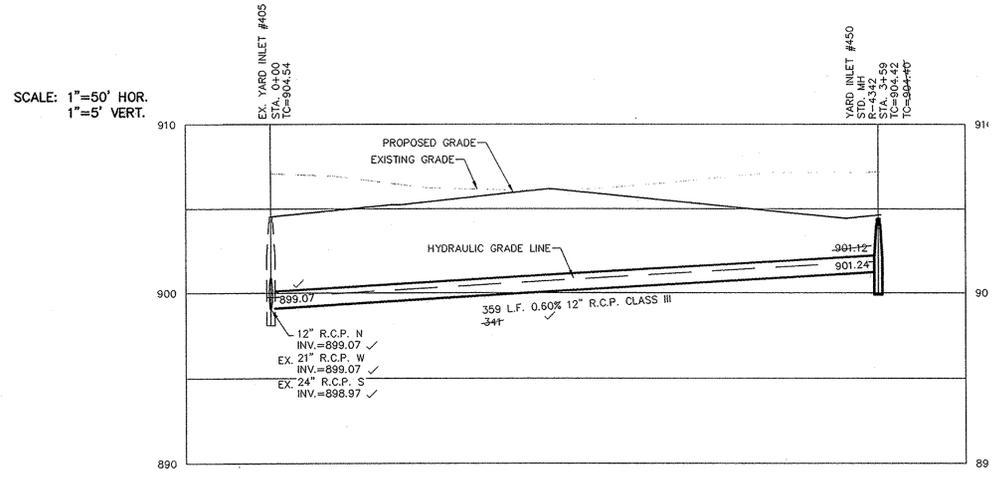
DRAWN BY: KRG
 CHECKED BY: BAH
 SHEET NO. C200
 S & A JOB NO. 55960PUL



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.

■ 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 DETAIL D-18 ON SHEET C802.
 - ALL STORM SEWERS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE RCP CLASS III.
 - FOR INSTALLATION OF STORM, SANITARY, AND WATER UNDER CITY STREETS AND COVER REQUIREMENTS, SEE SHEET No. C802 ON THE TRENCH DETAIL.



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: Mar 2016
Entered By: Sln

STORM SEWER NOTE

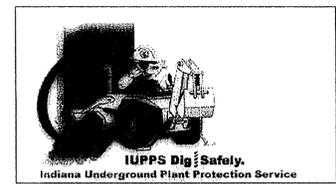
THE STORM SEWER SYSTEM SHALL BE CONSTRUCTED PER DESIGN SPECIFIED AND AS APPROVED BY THE CITY OF CARMEL ON THE FINAL APPROVED CONSTRUCTION PLANS. DEVIATIONS FROM THE APPROVED DESIGN SHALL ONLY BE PERMITTED DUE TO SPECIAL CIRCUMSTANCES OR DIFFICULTY DURING CONSTRUCTION AND WILL REQUIRE PRIOR FIELD APPROVAL 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.

RECORD DRAWING

Dennis D. Olmstead
Registered Land Surveyor
No. 900012

DATE: 4/19/2013



DATE	MARK	REVISIONS
08/12/13	DCM	RECORD DRAWING
07/12/13	DCM	REVISED PER TAC COMMENTS

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.
CERTIFIED: 3/14/13
David J. Stoppelwerth

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STORM PLAN & PROFILES
VILLAGE OF WEST CLAY,
SECTION 10010-D
CLAY TOWNSHIP
HAMILTON COUNTY, INDIANA

DRAWN BY: KRG
CHECKED BY: BAH

SHEET NO. C600

S & A JOB NO. 55960PUL