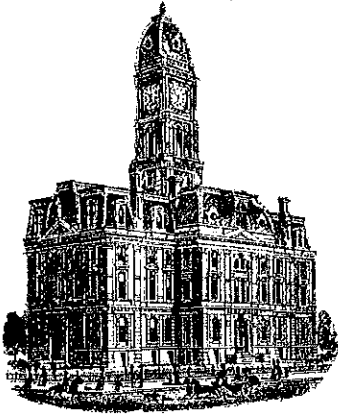


KCW



SURVEYOR'S OFFICE Hamilton County

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

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

August 7, 2017

To: Hamilton County Drainage Board

Re: Williams Creek Drain, The Hamlet at Jackson's Grant Section 1 Arm

Attached is a petition filed by Homes by John McKenzie, Inc., along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for The Hamlet at Jackson's Grant Section 1 Arm, Williams Creek 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	391 ft.	18" RCP	524 ft.
15" RCP	292 ft.	6" SSD	256 ft.
		Open Ditch	435 ft.

The total length of the drain will be 1,898 feet.

The open ditch listed above are those straight line lengths through the dry detention basin, Hamlet BMP, between basin inlets at Str. 850, 853 and 862 and the basin outlet at Str. 638.

The dry detention basin (BMPs) located as listed below are not to be considered part of the regulated drain. Basin maintenance assumed by the Drainage Board shall only include the inlets and outlet as part of the regulated drain. The maintenance of the dry detention basins (BMPs) such as sediment removal and erosion control along the banks, mowing, aquatic vegetation maintenance and control, and anything required per the Storm Water Quality Maintenance and Operations Manual 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.

Basin
Hamlet BMP

Location
Common Area #51-7

The subsurface drains (SSD) to be part of the regulated drain are those located in common areas. 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:

Common Area SSDs:

Common Area #H-7 from Str. 854 running north 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, with \$65.00 minimum, and \$10.00 per acre for roadways. With this assessment the total annual assessment for this drain will be \$1,950.00.

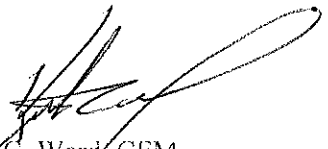
The petitioner has submitted surety for the proposed drain at this time. The sureties which are in the form of a Performance Bond are as follows:

Agent: Capitol Indemnity Corporation
Date: April 4, 2017
Number: 60122407
For: Storm Sewers
Amount: \$93,552.60

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 Hamlet at Jackson's Grant, Section 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for October 23, 2017.




Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

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

John McKenzie
Printed Name

December 17, 2016
Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

FINDINGS AND ORDER


CONCERNING THE MAINTENANCE OF THE

Williams Creek Drain,
The Hamlet at Jackson's Grant Section 1 Arm


On this 23rd day of October, 2017, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Williams Creek Drain, The Hamlet at Jackson's Grant 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.stoepfelwerth.com

February 6, 2017

Hamilton County Surveyor
One Hamilton County Square, Suite 188
Noblesville, Indiana 46038

Attention: Greg Hoyes

Re: The Hamlet at Jackson's Grant, Section 1

Dear Mr. Hoyes:

On behalf of the developer Homes by John McKenzie, please accept this Engineer's Estimate for The Hamlet at Jackson's Grant, Section 1. The estimate is as follows:

Storm Sewer

	QTY	UNIT	UNITS	TOTALS
Manholes	2	EA	\$2,200.00	\$4,400.00
Small Beehives	2	EA	\$1,625.00	\$3,250.00
Large Beehives	3	EA	\$2,300.00	\$6,900.00
Paved Area Inlets	2	EA	\$2,650.00	\$5,300.00
12" RCP	445	LF	\$22.00	\$9,790.00
15" RCP	292	LF	\$26.00	\$7,592.00
18" RCP	206	LF	\$31.00	\$6,386.00
15" End Section w/ Debris Guard	2	EA	\$1,525.00	\$3,050.00
18" End Section w/ Debris Guard	2	EA	\$1,650.00	\$3,300.00
Risers	3	EA	\$325.00	\$975.00
Swale SSD	681	LF	\$10.55	\$7,184.55
Street SSD	969	LF	\$10.55	\$10,222.95
Bedding #8	200	TON	\$21.80	\$4,360.00
Granular Fill #53	240	TON	\$16.25	\$3,900.00
Rip-Rap	30	TON	\$45.00	\$1,350.00
Total Price for above Storm Sewer Items				\$77,960.50

LAND DEVELOPMENT SUPPORT SOLUTIONS

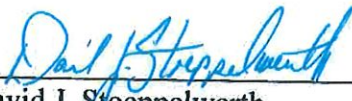
ENGINEERING | SURVEYING

Monumentation

Lot Corners	22	EA	\$100.00	\$2,200.00
Concrete Monuments	2	EA	\$225.00	\$450.00
Total Price for above Monumentation				\$2,650.00

If you have any questions or comments regarding this estimate, please call Brett A. Huff at (317) 570-4841.

Witness my signature this 6th day of February 2017.



David J. Stoepfelwerth
Professional Engineer
No. 19358



Cc: John McKenzie
BAH/meb
S:\60160HAM-S1\Blue_Book\Agency_Correspondence\HamiltonCountySurveyorHoyesEE02-06-17.doc



FILED

APR 06 2017



CAPITOL INDEMNITY CORPORATION
Middleton, WI 53562

OFFICE OF HAMILTON COUNTY SURVEYOR

SUBDIVISION PERFORMANCE BOND

BOND #60122407

HCD 3-2017-00025

KNOW ALL MEN BY THESE PRESENTS, That we, **Homes By McKenzie, Inc.**, 4631 Lisborn Dr., Carmel, IN 46033 as Principal, and **Capitol Indemnity Corporation**, 1600 Aspen Commons, Suite 300, Middleton, WI 53562, as Surety, are held and firmly bound unto the **Hamilton County Commissioners**, 1 Hamilton County Square, Suite 157, Noblesville, IN 46060 as Owner, in the sum of ****Ninety Three Thousand Five Hundred Fifty Two and 60/100 **Dollars (\$93,552.60)** for payment of which we firmly bind ourselves, our heirs, executors, administrators, and assigns.

THE CONDITION OF THIS BOND is such that if the said Principal shall complete the construction of **The Hamlet at Jackson's Grant, Section 1 – Storm Sewers** according to the approved plans and specifications on file with the **Hamilton County Commissioners**, then this obligation is null and void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seal this 4th Day of April, 2017.

Homes By McKenzie, Inc.

Capitol Indemnity Corporation

By: James McKenzie

By: Deborah M. Roth
Deborah M. Roth, Attorney-in-Fact

American Contracting Services, Inc.
P.O. Box 691
Danville, IN 46122
(317) 563-3228

CAPITOL INDEMNITY CORPORATION
POWER OF ATTORNEY

60122407



KNOW ALL MEN BY THESE PRESENTS, That the CAPITOL INDEMNITY CORPORATION, a corporation of the State of Wisconsin, having its principal offices in the City of Middleton, Wisconsin, does make, constitute and appoint

---SARABETH SCOTT; ANTHONY BALZANO; DEBORAH M ROTH; KIMBERLY L SHAFFER; ROSALIE S SMITH---

its true and lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf, as surety, and as its act and deed, any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of

-----ALL WRITTEN INSTRUMENTS IN AN AMOUNT NOT TO EXCEED \$20,000,000-----

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of CAPITOL INDEMNITY CORPORATION at a meeting duly called and held on the 15th day of May, 2002.

"RESOLVED, that the President, Executive Vice President, Vice President, Secretary or Treasurer, acting individually or otherwise, be and they hereby are granted the power and authorization to appoint by a Power of Attorney for the purposes only of executing and attesting bonds and undertakings, and other writings obligatory in the nature thereof, one or more resident vice-presidents, assistant secretaries and attorney(s)-in-fact, each appointee to have the powers and duties usual to such offices to the business of this company; the signature of such officers and seal of the Company may be affixed to any such power of attorney or to any certificate relating thereto by facsimile; and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking or other writing obligatory in the nature thereof to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any of said officers, at any time."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner - Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

IN WITNESS WHEREOF, the CAPITOL INDEMNITY CORPORATION has caused these presents to be signed by its officer undersigned and its corporate seal to be hereto affixed duly attested, this 27th day of July, 2015.

Attest:

Gary W. Stumper
Gary W. Stumper
President
Surety & Fidelity Operations



CAPITOL INDEMNITY CORPORATION

Stephen J. Sills
Stephen J. Sills
CEO & President

STATE OF WISCONSIN }
COUNTY OF DANE } s.s.:

On the 27th day of July, 2015 before me personally came Stephen J. Sills, to me known, who being by me duly sworn, did depose and say: that he resides in the County of New York, State of New York; that he is President of CAPITOL INDEMNITY CORPORATION, the corporation described herein and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.

STATE OF WISCONSIN }
COUNTY OF DANE } s.s.:



David J. Regéle
David J. Regéle
Notary Public, Dane Co., WI
My Commission Is Permanent

CERTIFICATE

I, the undersigned, duly elected to the office stated below, now the incumbent in CAPITOL INDEMNITY CORPORATION, a Wisconsin Corporation, authorized to make this certificate, DO HEREBY CERTIFY that the foregoing attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolution of the Board of Directors set forth in the Power of Attorney is now in force.

Signed and sealed at the City of Middleton, State of Wisconsin this 4th day of April, 2017.



Antonio Celii
Antonio Celii
Secretary

THIS DOCUMENT IS NOT VALID UNLESS PRINTED ON GRAY-SHADED BACKGROUND WITH A RED SERIAL NUMBER IN THE UPPER RIGHT HAND CORNER. IF YOU HAVE ANY QUESTIONS CONCERNING THE AUTHENTICITY OF THIS DOCUMENT CALL, 800-475-4450. CIC-POA (Rev. 07-2015)

FILE
COPY

FILED

APR 06 2017

OFFICE OF HAMILTON COUNTY SURVEYOR

CAPITOL INDEMNITY CORPORATION
Middleton, WI 53562

SUBDIVISION PERFORMANCE BOND

HCDB-2017-00024
BOND #60122408

KNOW ALL MEN BY THESE PRESENTS, That we, **Homes By McKenzie, Inc**, 4631 Lisborn Dr., Carmel, IN 46033 as Principal, and **Capitol Indemnity Corporation**, 1600 Aspen Commons, Suite 300, Middleton, WI 53562, as Surety, are held and firmly bound unto the **Hamilton County Commissioners**, 1 Hamilton County Square, Suite 157, Noblesville, IN 46060 as Owner, in the sum of **** Three Thousand One Hundred Eighty and 00/100 **Dollars (\$3,180.00)** for payment of which we firmly bind ourselves, our heirs, executors, administrators, and assigns.

THE CONDITION OF THIS BOND is such that if the said Principal shall complete the construction of **The Hamlet at Jackson's Grant, Section 1 – Monuments** according to the approved plans and specifications on file with the **Hamilton County Commissioners**, then this obligation is null and void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seal this 4th Day of April, 2017.

Homes By McKenzie, Inc.

Capitol Indemnity Corporation

By: James Orzgo

By: Deborah M. Roth
Deborah M. Roth, Attorney-in-Fact

American Contracting Services, Inc.
P.O. Box 691
Danville, IN 46122
(317) 563-3228

CAPITOL INDEMNITY CORPORATION
POWER OF ATTORNEY

60122408

FILE COPY

KNOW ALL MEN BY THESE PRESENTS, That the CAPITOL INDEMNITY CORPORATION, a corporation of the State of Wisconsin, having its principal offices in the City of Middleton, Wisconsin, does make, constitute and appoint

---SARABETH SCOTT; ANTHONY BALZANO; DEBORAH M ROTH; KIMBERLY L SHAFFER; ROSALIE S SMITH---

its true and lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf, as surety, and as its act and deed, any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of

-----ALL WRITTEN INSTRUMENTS IN AN AMOUNT NOT TO EXCEED \$20,000,000-----

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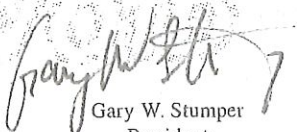
"RESOLVED, that the President, Executive Vice President, Vice President, Secretary or Treasurer, acting individually or otherwise, be and they hereby are granted the power and authorization to appoint by a Power of Attorney for the purposes only of executing and attesting bonds and undertakings, and other writings obligatory in the nature thereof, one or more resident vice-presidents, assistant secretaries and attorney(s)-in-fact, each appointee to have the powers and duties usual to such offices to the business of this company, the signature of such officers and seal of the Company may be affixed to any such power of attorney or to any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking or other writing obligatory in the nature thereof to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any of said officers, at any time."

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In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner - Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

IN WITNESS WHEREOF, the CAPITOL INDEMNITY CORPORATION has caused these presents to be signed by its officer undersigned and its corporate seal to be hereto affixed duly attested, this 27th day of July, 2015.

Attest:


Gary W. Stumper
President
Surety & Fidelity Operations




CAPITOL INDEMNITY CORPORATION


Stephen J. Sills
CEO & President

STATE OF WISCONSIN } s.s.
COUNTY OF DANE }

On the 27th day of July, 2015 before me personally came Stephen J. Sills, to me known, who being by me duly sworn, did depose and say: that he resides in the County of New York, State of New York; that he is President of CAPITOL INDEMNITY CORPORATION, the corporation described herein and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.




David J. Regèle
Notary Public, Dane Co., WI
My Commission Is Permanent

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COUNTY OF DANE }

CERTIFICATE

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Antonio Celii
Secretary

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BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Williams Creek Drain,
Hamlet at Jackson's Grant 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 Williams Creek Drain, Hamlet at Jackson's Grant Section 1 Arm on October 23, 2017 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

Williams Creek Drain,
Hamlet at Jackson's Grant Section 1 Arm

NOTICE

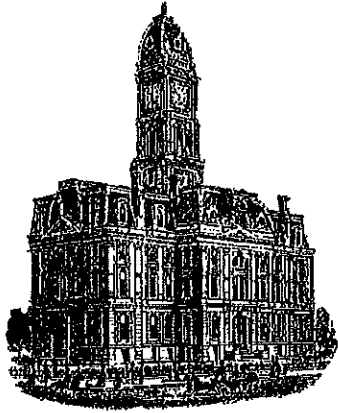
Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on October 23, 2017 has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial 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

February 9, 2018

Re: Williams Creek Drain – Hamlet at Jackson’s Grant Sec. 1

Attached are as-built, certificate of completion & compliance, and other information for Hamlet at Jackson’s Grant 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 August 7, 2017. The report was approved by the Board at the hearing held October 23, 2017. (See Drainage Board Minutes Book 17, Pages 505-506) The changes are as follows: The 15” RCP was shortened from 292 feet to 284 feet. The 18” RCP was lengthened from 524 feet to 530 feet. The 6” SSD was shortened from 256 feet to 251 feet. The open ditch was lengthened from 435 to 453 feet. The length of the drain due to the changes described above is now **1,909 feet**.

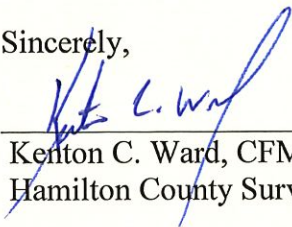
The non-enforcement was approved by the Board at its meeting on October 23, 2017 and recorded under instrument #2017052662.

The following sureties were guaranteed by Standard Financial Corporation and released by the Board on its January 8, 2018 meeting.

Bond-LC No: 60122407
Amount: \$93,552.60
For: Storm Sewers & SSD
Issue Date: April 4, 2017

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Kenton C. Ward", is written over a horizontal line.

Kenton C. Ward, CFM
Hamilton County Surveyor



STOEPPELWERTH

ALWAYS ON

ofc: 317.849.5935
fax: 317.849.5942

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

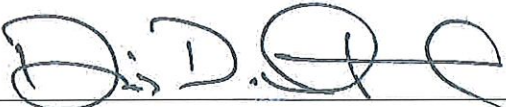
CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Hamlet at Jacksons Grant, 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.

Signature:  Date: December 12, 2017

Type or Print Name: Dennis D. Olmstead

Business Address: Stooppelwerth & Associates, Inc.

7965 East 106th Street, Fishers, Indiana 46038

Telephone Number: (317) 849-5935

SEAL

INDIANA REGISTRATION NUMBER

900012



LAND DEVELOPMENT SUPPORT SOLUTIONS

ENGINEERING | SURVEYING

THE HAMLET at JACKSON'S GRANT

SECTION 1

Developed by:
Jacksons Grant Real Estate Co., LLC

**13578 East 131st Street
 Suite 200**

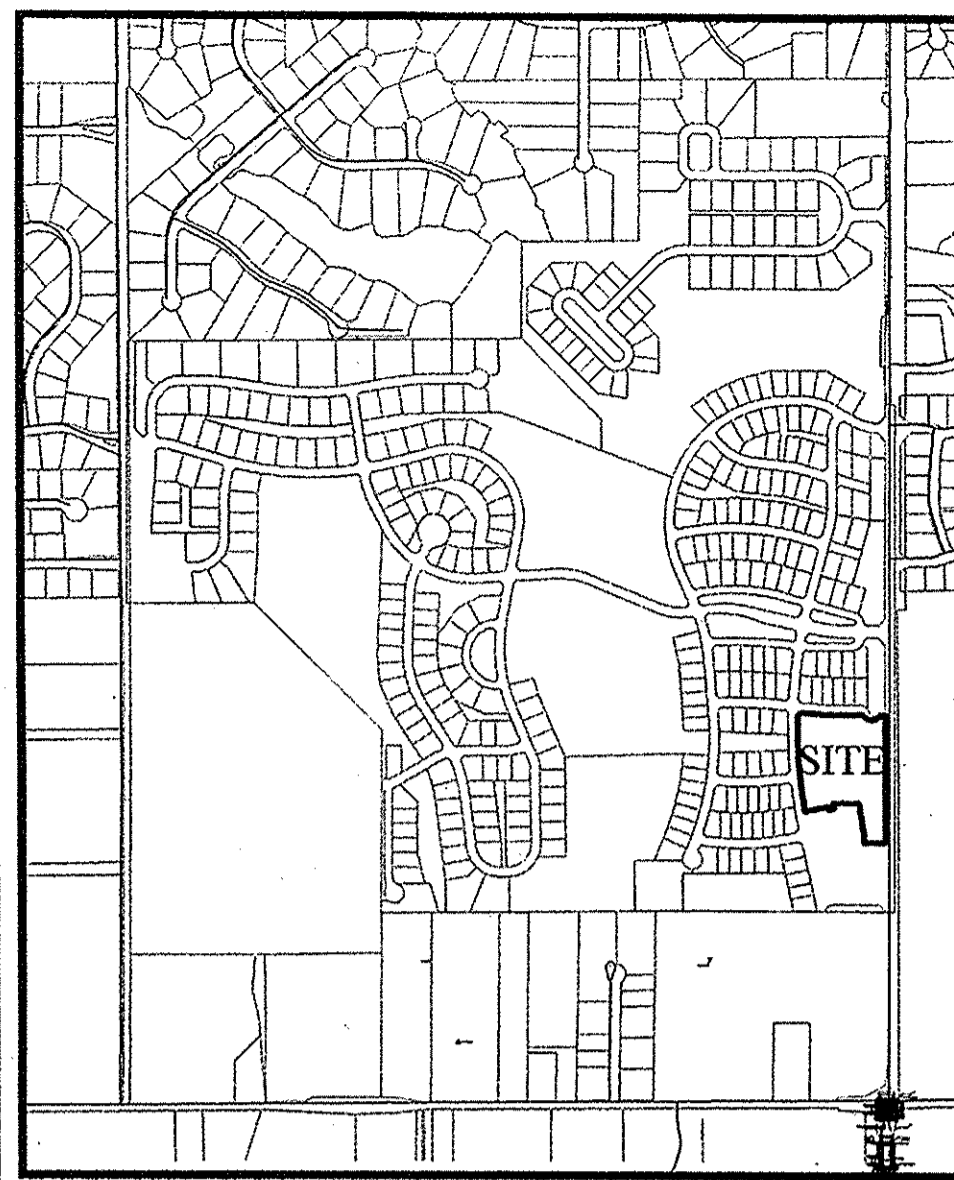
Fishers, Indiana 46037

Phone: (317) 770-1818

Fax: (317) 770-1819

Contact Person: DOUG WAGNER

email: dwagner@republicdev.com



LOCATION MAP
SCALE: 1"=1000'

DESIGN DATA

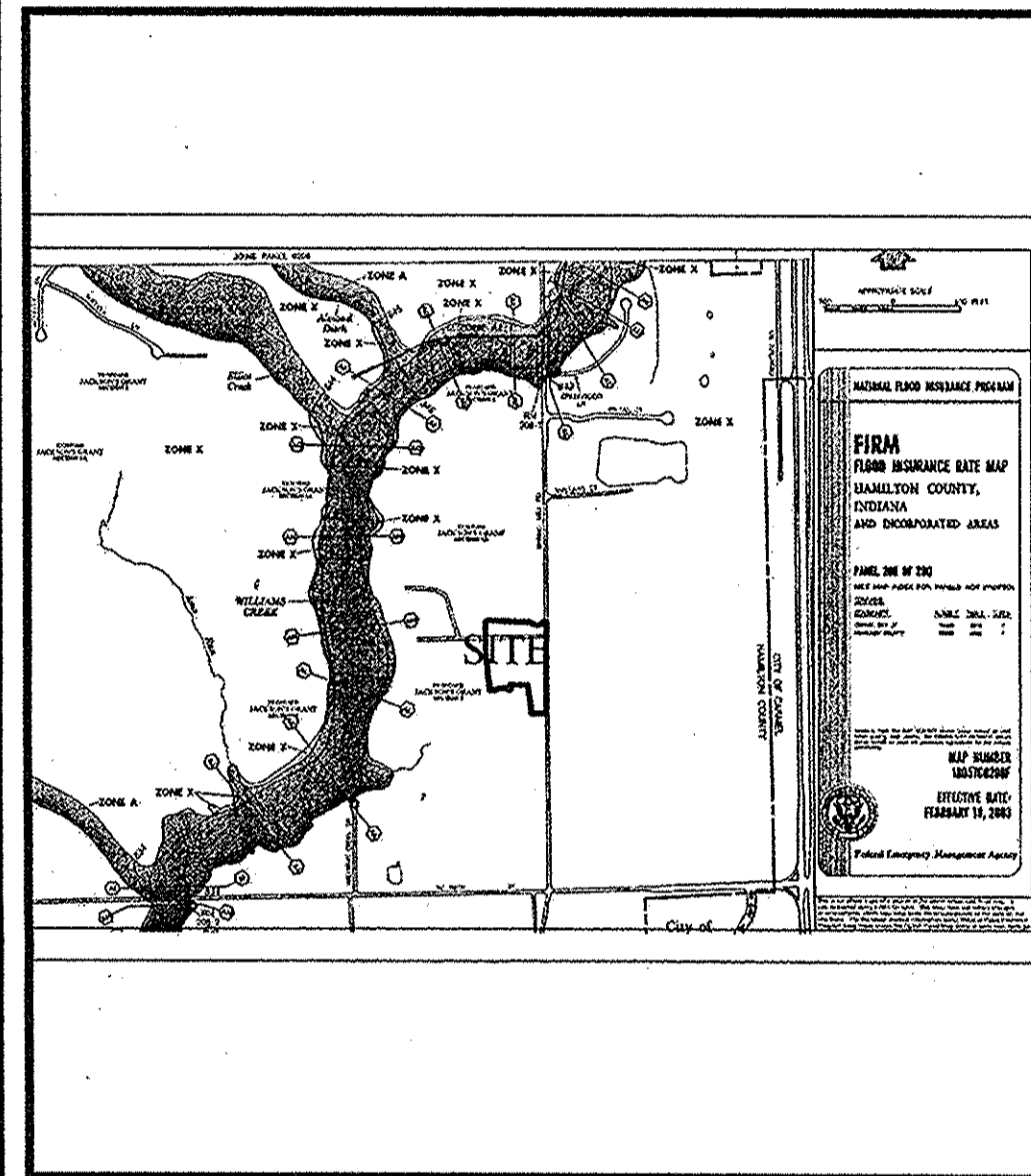
22 LOTS	
5,300 AC.	= 4.15 LOTS/ACRE
SIMON DRIVE	534.30 L.F.
SEA BIRD WAY	150.00 L.F.
SIGILLARY WAY	340.10 L.F.
TOTAL	1,024.40 L.F.
DESIGN SPEED LIMIT:	25 M.P.H

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

FLOOD STATEMENT
 THIS SITE DOES NOT LIE WITHIN A FLOODWAY OR FLOOD PLAIN PER THE WILLIAMS CREEK HYDRAULIC ANALYSIS PERFORMED BY CHRISTOPHER B. BURKE ENGINEERING, Ltd. PROJECT #07-760

SITE DATA

TOTAL SITE AREA	5.30 Ac.±
TOTAL UNITS	22
LOT DENSITY	4.5 u/ac, Allowed per PUD
MIN. LOT WIDTH	0'
MIN. LOT SIZE	0 sq.ft.
MIN. FRONT YARD	5'
MIN. SIDE YARD	20'
MIN. REAR YARD	10'



FLOOD MAP
N.T.S.
FIRM #18057C0206F / 18057C0208F

RECORD DRAWING

Dennis D. Olmstead
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 11/3/2011



UTILITY CONTACTS:

Vectren Energy
 16000 Allisonville Road
 Noblesville, Indiana 46060
 Attn: Joanie Clark
 (317) 776-5532
 jclark@vectren.com

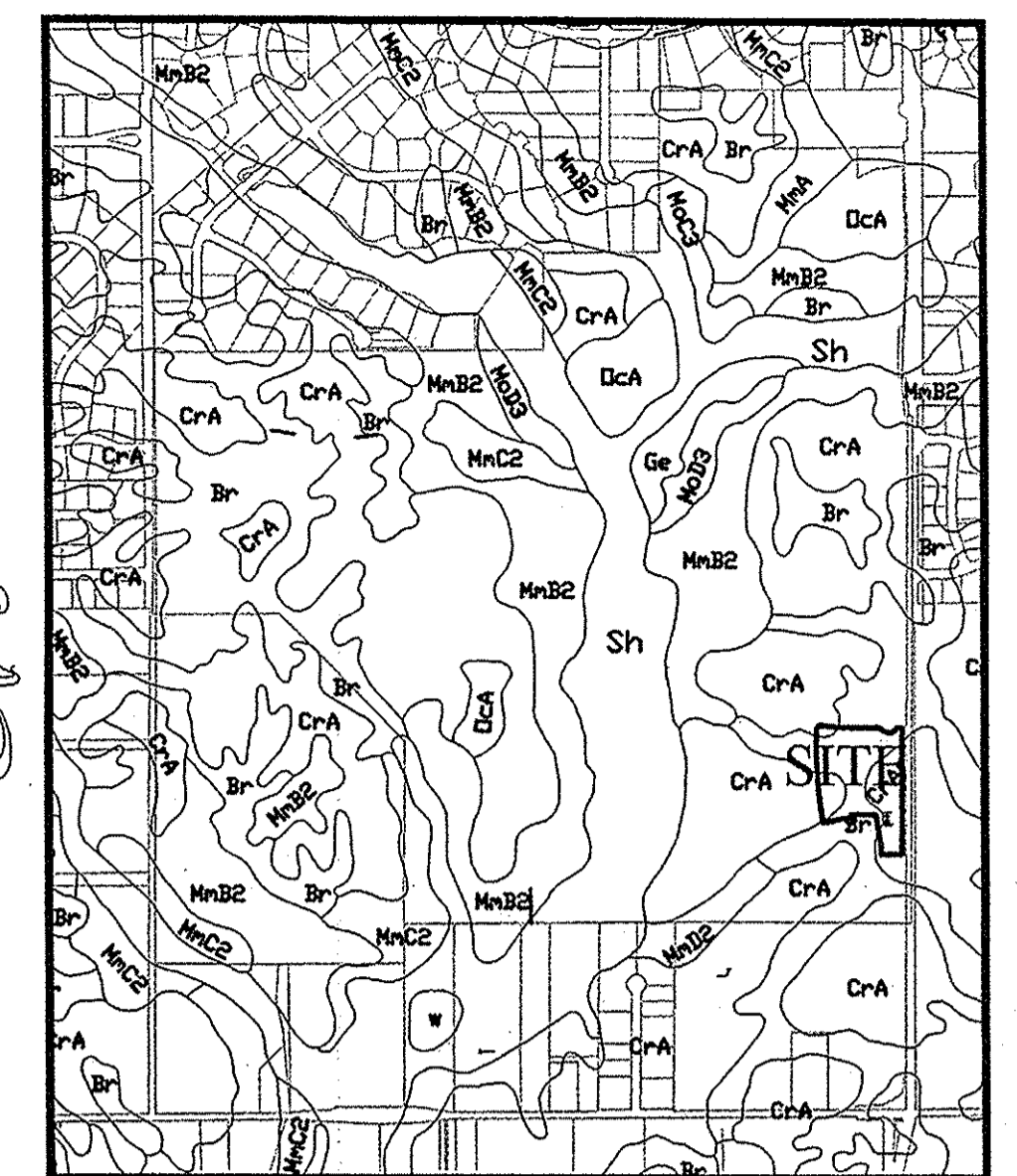
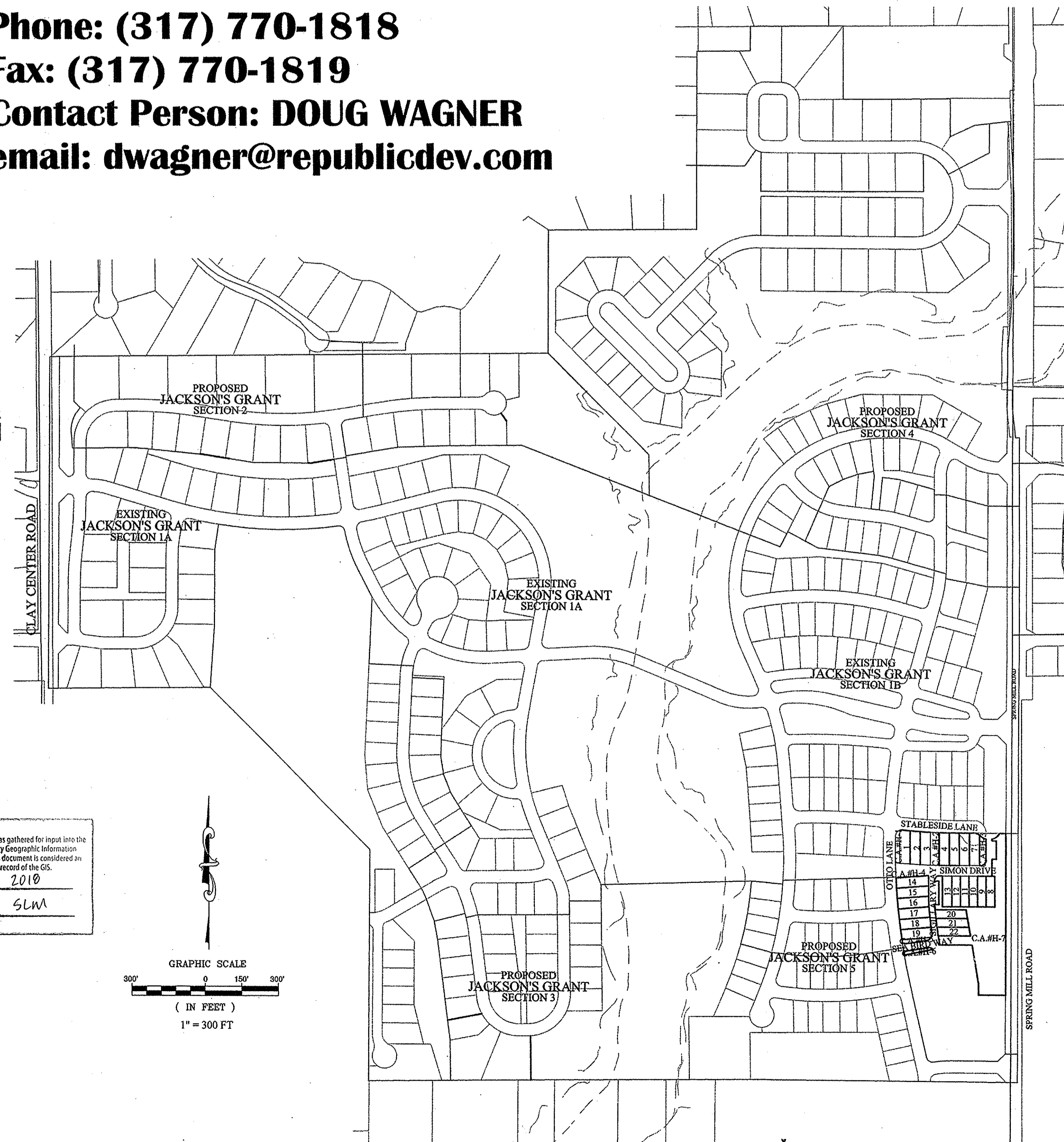
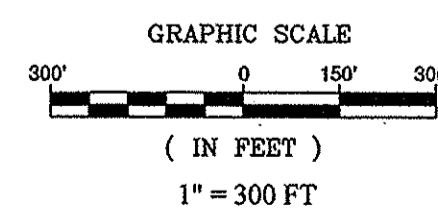
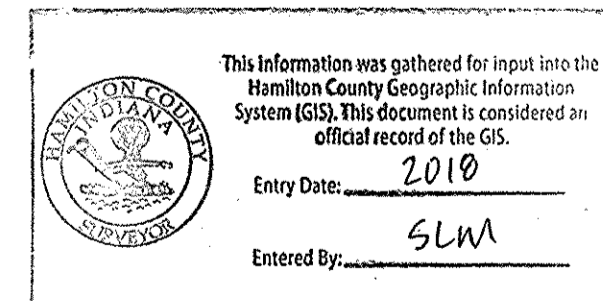
Carmel Water Utilities
 3450 West 131st Street
 Westfield, Indiana 46074

Brighthouse Networks
 3030 Roosevelt Avenue
 Indianapolis, Indiana 46218

Clay Township Regional Waste District
 10701 College Avenue, Suite A
 Indianapolis, Indiana 46280
 Attn: Ryan Hartman
 (317) 844-9200
 Ryan.hartman@ctrwd.com

Indianapolis Power & Light Company
 1230 West Morris Street
 Indianapolis, Indiana 46221
 Attn: Dan Davenport
 (317) 261-5497
 Dan.davenport@aes.com

AT & T
 240 North Meridian Street
 2nd Floor, Room 280
 Indianapolis, Indiana 46204
 Attn: Steven Krebs
 (800) 288-2020
 Sk4986@att.com



SOILS MAP
SCALE: 1"=1000'

Map Unit: Br - Brookston silty clay loam

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

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 water table at 0.5 to 2.0 ft. and is on rises on uplands. Slopes are 0 to 2 percent. The native vegetation is hardwoods. The surface layer is silt loam and has moderate to high 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.

Owner:
Homes by John McKinzie
4631 Lisborn Drive
Carmel, Indiana 46033
Phone: (317) 574-7616
Contact Person: JOHN MCKENZIE
email: john@mckenziecollection.com

INDEX

SHT.	DESCRIPTION
C001	COVER SHEET
C100-C101	TOPOGRAPHICAL SURVEY
C200-C202	SITE DEVELOPMENT PLAN & EMERGENCY FLOOD ROUTE
C300-C305	INITIAL STORM WATER POLLUTION & PREVENTION PLAN TEMPORARY STORM WATER POLLUTION & PREVENTION PLAN PERMANENT SEDIMENT & EROSION CONTROL PLAN STORM WATER POLLUTION & PREVENTION SPECIFICATIONS STORM WATER POLLUTION & PREVENTION DETAILS
C400-C405	STREET PLAN & PROFILES TRAFFIC PLANS/STRIPPING PLANS ENTRANCE AND INTERSECTION DETAILS PAVING & CURB POLICY
C500	SANITARY SEWER PLAN & PROFILE
C600-C601	STORM SEWER PLAN & PROFILES
C602	SUMP PLAN
C603	UTILITY PLAN
C700	WATER PLAN
C800-C805	CONSTRUCTION DETAILS SANITARY STORM STREET
L1.0	LANDSCAPE PLANS
L1.3-L1.5	
L3.0, L3.9	

REVISIONS

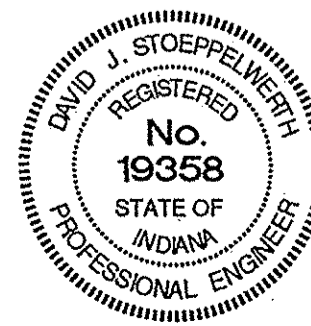
SHT.	DESCRIPTION
ALL	REVISED PER TAC COMMENTS 12/12/16 PDR
ALL	REVISED PER DESIGNER MARKUPS 02/17/17 CCE
ALL	AS BUILTS 11/01/17 CCE

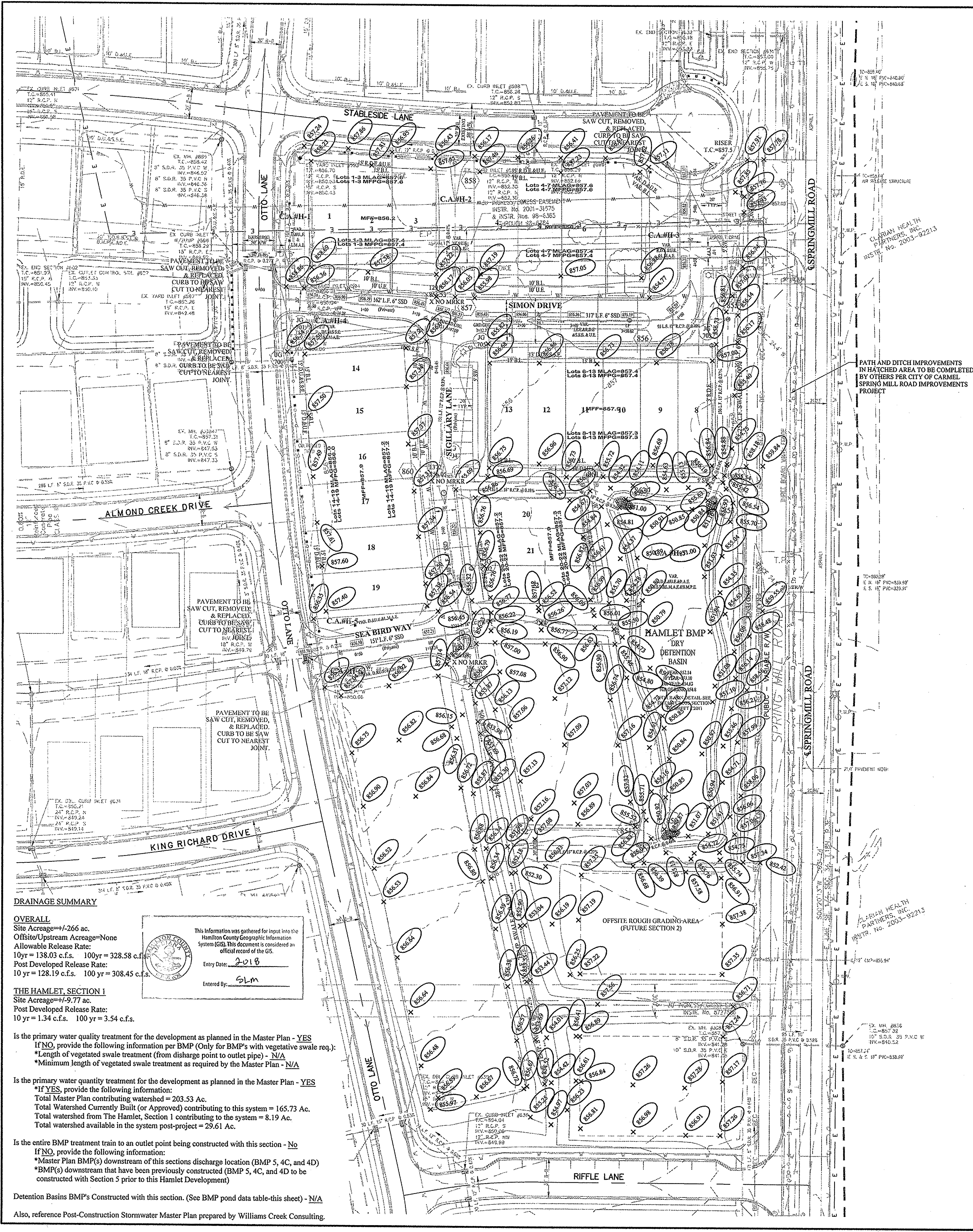
I, the undersigned Registered Land Surveyor hereby certify that the included plat correctly represents a subdivision of part of the Northwest Quarter of Section 36, Township 18 North, Range 3 East, Clay Township, Hamilton County, Indiana, more particularly described as follows:

Commencing at the Southeast corner of said Quarter Section; thence North 00 degrees 20 minutes 13 seconds East 1,334.63 feet to a point along the East line of said Quarter Section; thence North 89 degrees 39 minutes 47 seconds West to the POINT OF BEGINNING of this description; thence North 09 degrees 39 minutes 32 seconds West 159.91 feet; thence West 132.22 feet; thence South 09 degrees 45 minutes 24 seconds East 30.34 feet; thence South 79 degrees 32 minutes 01 seconds West 24.00 feet to a point on a curve concave southerly, the radius point of said curve being South 79 degrees 52 minutes 01 seconds West 28.00 feet from said point; thence northwesterly along said curve 18.66 feet to the point of tangency of said curve, said point being North 41 degrees 40 minutes 44 seconds East 28.00 feet from the radius point of said curve; thence South 78 degrees 34 minutes 51 seconds West 119.59 feet to a point on a curve concave easterly, the radius point of said curve being North 80 degrees 12 minutes 20 seconds East 2,475.00 feet from said point; thence northerly along said curve 485.48 feet to the point of tangency of said curve, said point being North 88 degrees 33 minutes 21 seconds West 2,475.00 feet from the radius point of said curve to a point of compound curve to the right having a radius of 25.00 feet and a central angle of 94 degrees 25 minutes 12 seconds; thence Northeasterly along the arc, a distance of 41.20 feet, said point also being the point of curvature of a curve concave northerly, the radius point of said curve being North 05 degrees 51 minutes 51 seconds East 2,025.00 feet from said point; thence easterly along said curve 197.40 feet to the point of tangency of said curve, said point being South 00 degrees 16 minutes 45 seconds West 2,025.00 feet from the radius point of said curve; thence South 89 degrees 43 minutes 15 seconds East 92.66 feet to a point on a curve concave southerly, the radius point of said curve being South 00 degrees 16 minutes 45 seconds West 50.00 feet from said point; thence easterly along said curve 36.14 feet to the point of tangency of said curve, said point being North 41 degrees 41 minutes 19 seconds East 50.00 feet from the radius point of said curve; thence South 89 degrees 43 minutes 15 seconds East 50.00 feet from the radius point of said curve, said point being North 41 degrees 41 minutes 19 seconds East 50.00 feet from the radius point of said curve; thence easterly along said curve 88.37 feet to the point of tangency of said curve, said point being South 59 degrees 34 minutes 52 seconds East 50.00 feet from the radius point of said curve; thence South 89 degrees 39 minutes 47 seconds East 26.73 feet; thence South 00 degrees 20 minutes 13 seconds West 658.63 feet; thence West 110.12 feet to the place of beginning, containing 5,300 acres, more or less, subject to all legal highways, rights-of-ways, easements, and restrictions of record.

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: BRETT A. HUFF
EMAIL: BHUFF@STOEPPELWERTH.COM

PLANS CERTIFIED BY:
David J. Stoepelwerth 10/21/2016
 DAVID J. STOEPPELWERTH
 PROFESSIONAL ENGINEER
 NO. 19358





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, BREASTERS 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 CUT 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.

ALL PAVING WITHIN THE EXISTING AND PROPOSED CITY RIGHT-OF-WAY SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT OF ENGINEERING. THE 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 THE WORK AND TO REVIEW THE AUTHORITY OF THE DEPARTMENT AS IT RELATES TO WORK WITHIN THE EXISTING AND PROPOSED RIGHT-OF-WAY.

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.

DAMAGE TO THE EXISTING RIGHT-OF-WAY SHALL BE RESTORED/REPAIRED TO THE SATISFACTION OF THE CITY AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS ENCOURAGED TO INSPECT THE RIGHT-OF-WAY WITH THE CITY PRIOR TO THE START OF CONSTRUCTION TO DOCUMENT THE EXISTING CONDITION OF THE RIGHT-OF-WAY.

FLOOD STATEMENT
 THIS SITE DOES NOT LIE WITHIN A FLOODWAY OR FLOOD PLAIN PER THE WILLIAMS CREEK HYDRAULIC ANALYSIS PERFORMED BY CHRISTOPHER B. BURKE ENGINEERING, Ltd. PROJECT #07-760

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

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

DRAINAGE SUMMARY
 REFERENCE THIS SHEET FOR DRAINAGE SUMMARY INFORMATION.

NOTE:
 THERE WILL BE SOME OFFSITE DIRT PLACEMENT ASSOCIATED WITH THIS PROJECT FOR ROUGH PAD GRADES IN FUTURE SECTION 2.

SEE SHEET C201 FOR SITE DIMENSION DETAILS.

- 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

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 C201

STORM SEWER FOR THIS PROJECT WILL BE PUBLIC.

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

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.

LEGEND

- EXISTING CONTOUR
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED GRADE
- PROPOSED CONTOUR
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER LINE
- PROPOSED SWALE
- * ADA RAMP TO BE INSTALLED

GRAPHIC SCALE
 0 25 50
 (IN FEET)
 1" = 50 FT

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

--- CONSTRUCTION LIMITS

MFP XXX.X
 MINIMUM FINISH FLOOR ELEVATION IS BASED OFF OF THE BELOW

MLAG XXX.X
 MINIMUM LOWEST ADJACENT GRADE (FLOOD PROTECTION)

--- PROPOSED 5' SIDEWALK (BY HOME BUILDER) (DEVELOPER SHALL INSTALL SIDEWALKS ALONG ALL COMMON AREAS)

1. (1) FOOT ABOVE THE NEAREST UPSTREAM OR DOWNSTREAM SANITARY MANHOLE, WHICHEVER IS LOWEST.

2. 15" (1.25') ABOVE THE ROAD ELEVATION

3. 6" (0.5') ABOVE THE MLAG

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

1. Definitions

- 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).

2. 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 Hazards 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 ponding 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.

3. 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.

DRAINAGE SUMMARY

OVERALL
 Site Acreage=1.266 ac.
 Offsite/Upstream Acreage=None
 Allowable Release Rate:
 10yr = 138.03 c.f.s. 100yr = 328.58 c.f.s.
 Post Developed Release Rate:
 10 yr = 128.19 c.f.s. 100 yr = 308.45 c.f.s.

THE HAMLET, SECTION 1
 Site Acreage=1.977 ac.
 Post Developed Release Rate:
 10 yr = 1.34 c.f.s. 100 yr = 3.54 c.f.s.

Is the primary water quality treatment for the development as planned in the Master Plan - YES
 If NO, provide the following information per BMP (Only for BMPs with vegetative swale req.):
 *Length of vegetated swale treatment (from discharge point to outlet pipe) - N/A
 *Minimum length of vegetated swale treatment as required by the Master Plan - N/A

Is the primary water quantity treatment for the development as planned in the Master Plan - YES
 If YES, provide the following information:
 Total Master Plan contributing watershed = 203.53 Ac.
 Total Watershed Currently Built (or Approved) contributing to this system = 165.73 Ac.
 Total watershed from The Hamlet, Section 1 contributing to the system = 8.19 Ac.
 Total watershed available in the system post-project = 29.61 Ac.

Is the entire BMP treatment train to an outlet point being constructed with this section - No
 If NO, provide the following information:
 *Master Plan BMP(s) downstream of this sections discharge location (BMP 5, 4C, and 4D)
 *BMP(s) downstream that have been previously constructed (BMP 5, 4C, and 4D to be constructed with Section 5 prior to this Hamlet Development)

Detention Basins BMP's Constructed with this section. (See BMP pond data table-this sheet) - N/A

Also, reference Post-Construction Stormwater Master Plan prepared by Williams Creek Consulting.

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: 2-018

Entered By: SLM

RECORD DRAWING

Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012

11/3/2017

DENNIS D. OLMSTEAD
 REGISTERED
 No. 900012
 STATE OF INDIANA
 LAND SURVEYOR

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

IUPPS Dig Safely.
 Indiana Underground Plant Protection Service

STOEPPELWERTH

SITE DEVELOPMENT PLAN

THE HAMLET at JACKSONS GRANT SECTION 1

C200

DATE: 10/17/16

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/17/16	ISSUED FOR PERMITS
2	10/17/16	REVISED PER DESIGNER COMMENTS
3	10/17/16	REVISED PER DESIGNER COMMENTS
4	10/17/16	REVISED PER DESIGNER COMMENTS
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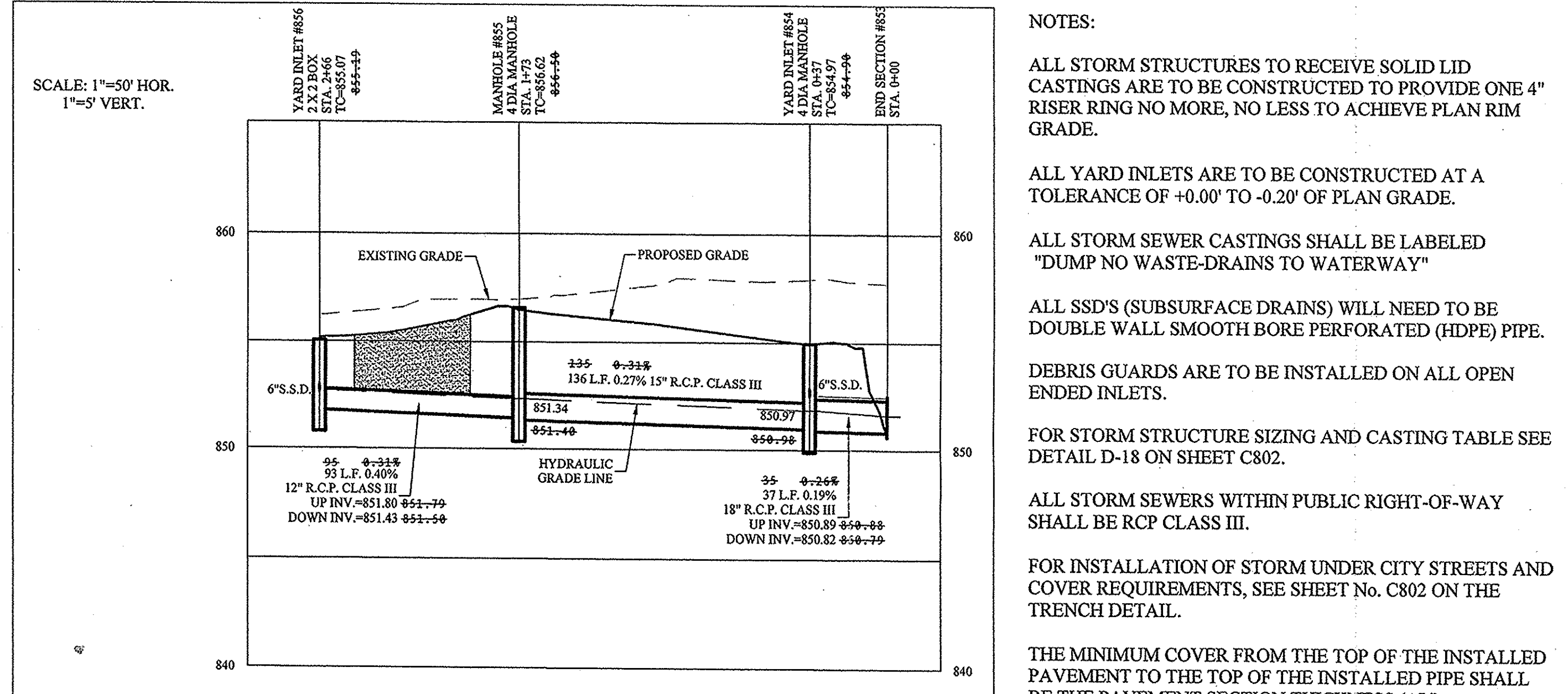
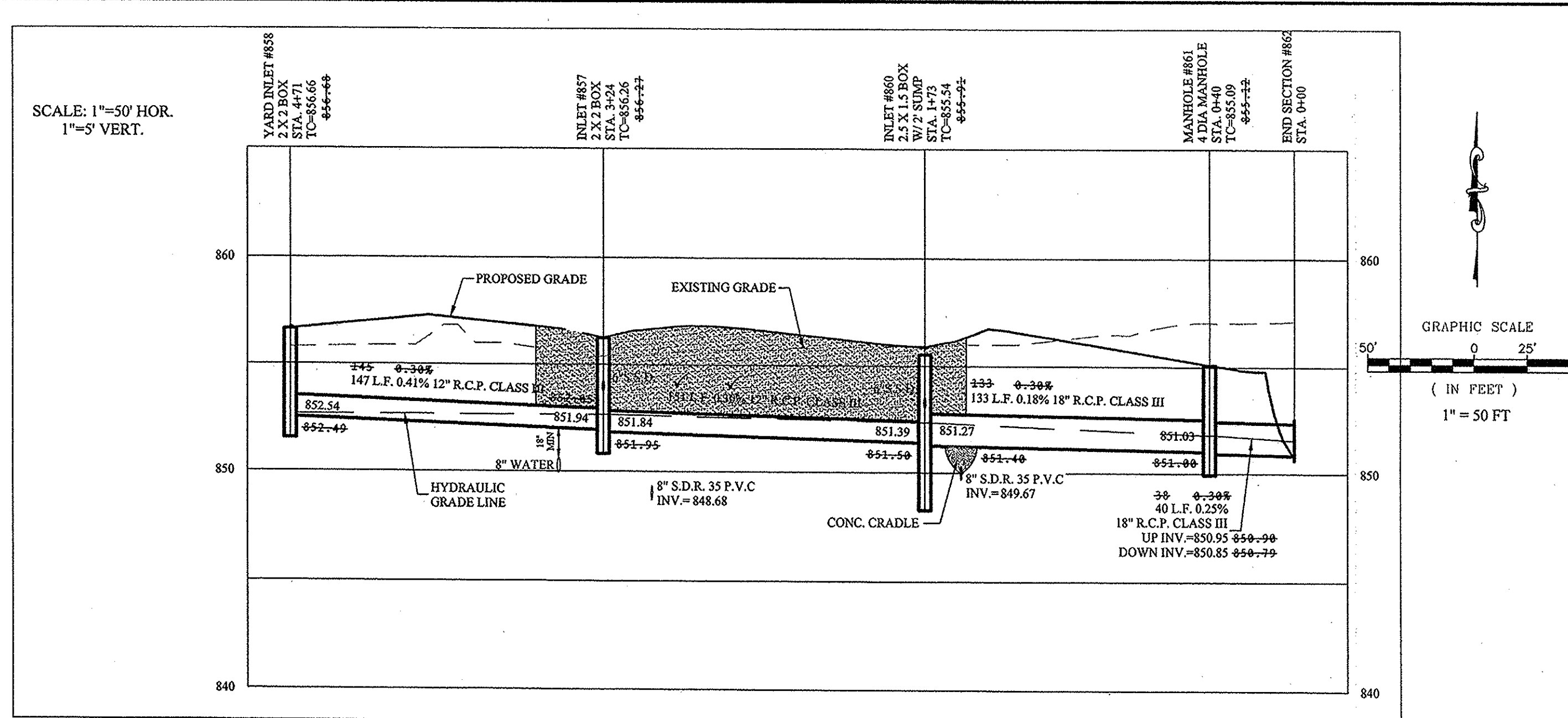
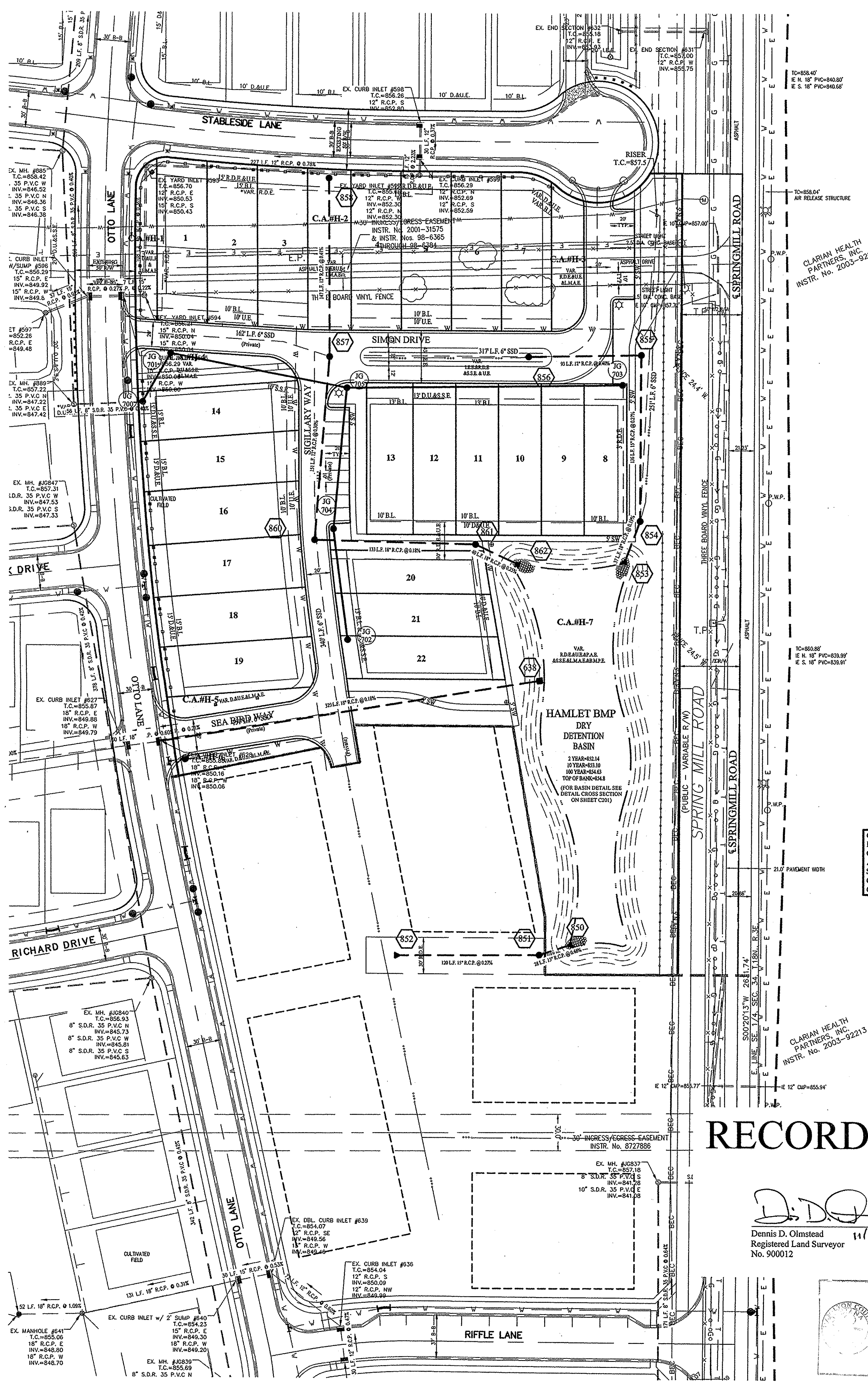
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SHEET NO. C200

DATE: 10/17/16

PROJECT NO. 60160HAM-S1

File Name: S:\60160HAM-6000 Storm Sewer Plan and Profile.dwg - C600
 Modified / By: November 2, 2017 10:43:55 AM / cesposito
 Plotted / By: November 2, 2017 2:14:05 PM / Christian Esposito



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 UNDER CITY STREETS AND COVER REQUIREMENTS, SEE SHEET No. C802 ON THE TRENCH DETAIL.

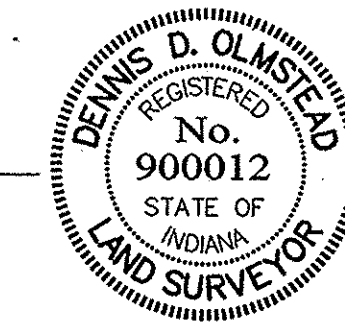
THE MINIMUM COVER FROM THE TOP OF THE INSTALLED PAVEMENT TO THE TOP OF THE INSTALLED PIPE SHALL BE THE PAVEMENT SECTION THICKNESS (ALL BITUMINOUS AND AGGREGATE MATERIAL ABOVE THE SUBGRADE) PLUS 1'-0", BUT UNDER NO CIRCUMSTANCES SHALL THE COVER ALONG ANY PART OF THE PIPE FROM THE FINAL PAVEMENT ELEVATION TO THE TOP OF THE PIPE BE LESS THAN 2.5 FEET.

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.

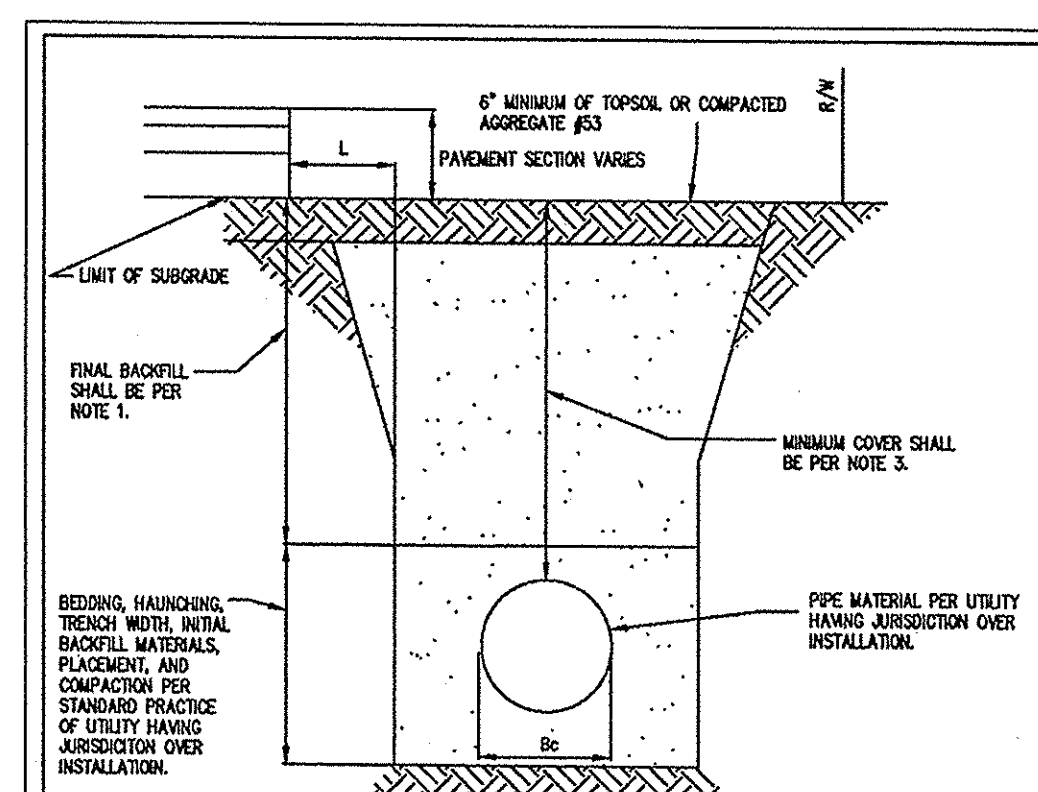
DENOTES FULL DEPTH GRANULAR BACKFILL

RECORD DRAWING

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



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



WATER & SEWER MAIN AND LATERAL TRENCH DETAIL FOR UTILITY INSTALLATIONS WITHIN CITY R/W
 NO SCALE

NOTES:

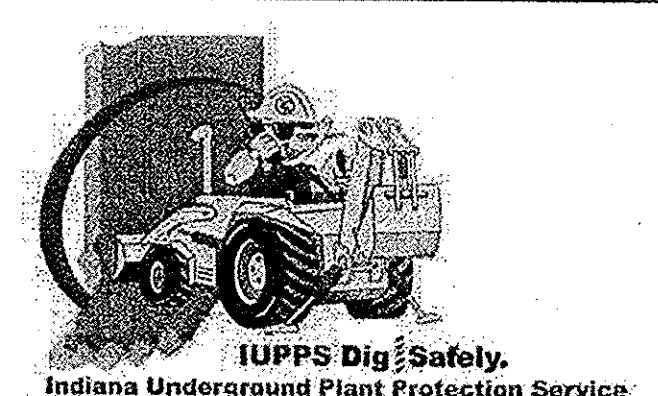
- FINAL BACKFILL FOR UTILITY INSTALLATIONS WHERE "1" IS 5" OR LESS SHALL BE B-BORROW FOR STRUCTURE BACKFILL MEETING THE MATERIAL REQUIREMENTS OF THE H&M AND SHALL BE COMPACTED IN 4" BANDED LIFTS TO NOT LESS THAN SIX STANDARD PROCTOR DENSITY FOR THE ENTIRE DEPTH OF THE MATERIAL PLACED. THE BACKFILL FOR THE TOP 6" OF THE EXCAVATION BELOW THE LIMIT OF SUBGRADE SHALL BE #3 STONE MEETING THE MATERIAL REQUIREMENTS OF THE H&M AND SHALL BE COMPACTED TO NOT LESS THAN SIX STANDARD PROCTOR DENSITY FOR THE ENTIRE DEPTH OF THE MATERIAL PLACED. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT FINAL BACKFILL REQUIREMENT, THE MORE STRINGENT REQUIREMENT WILL GOVERN. CONTRACTOR SHALL PROVIDE A 3rd PARTY TESTING AGENCY TO PROVIDE COMPACTION TESTING AS NECESSARY.
- THIS REQUIREMENT SHALL APPLY FOR ALL UTILITY INSTALLATIONS (INCLUDING BUT NOT LIMITED TO WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS, SANITARY SERVICE LATERALS, GAS PIPING, POWER, TELECOMM AND CABLE CONDUITS OR DUCT BANKS) WITHIN EXISTING AND PROPOSED CITY OF CARMEL R/W LIMITS.
- FOR UTILITY INSTALLATIONS UNDER CITY STREETS, REGARDLESS OF THE JURISDICTION OF THE UTILITY, THE MINIMUM COVER FROM THE TOP OF THE INSTALLED PAVEMENT OR FINAL FINISH ELEVATION TO THE TOP OF THE INSTALLED PIPE COVER OR DUCT BANK SHALL BE NO LESS THAN 2.5 FEET. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT COVER REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- IF EXISTING SUBGRADE HAS BEEN LINE STABILIZED, BACKFILL WITH B-BORROW TO BOTTOM OF EXISTING SUBGRADE AND FILL TO THE LIMIT OF TREATED SUBGRADE WITH COMPACTED AGGREGATE, NO. 53.

CITY OF CARMEL STANDARDS
 WATER & SEWER MAIN AND LATERAL TRENCH DETAIL FOR UTILITY INSTALLATIONS WITHIN CITY R/W
 STANDARD DRAWING 10-32

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 PRIVATE.



STOEPPELWERTH
 ALWAYS ON
 795 East 100th Street, Fishers, IN 46038-2805
 Phone: 317.893.3535 Fax: 317.893.3542

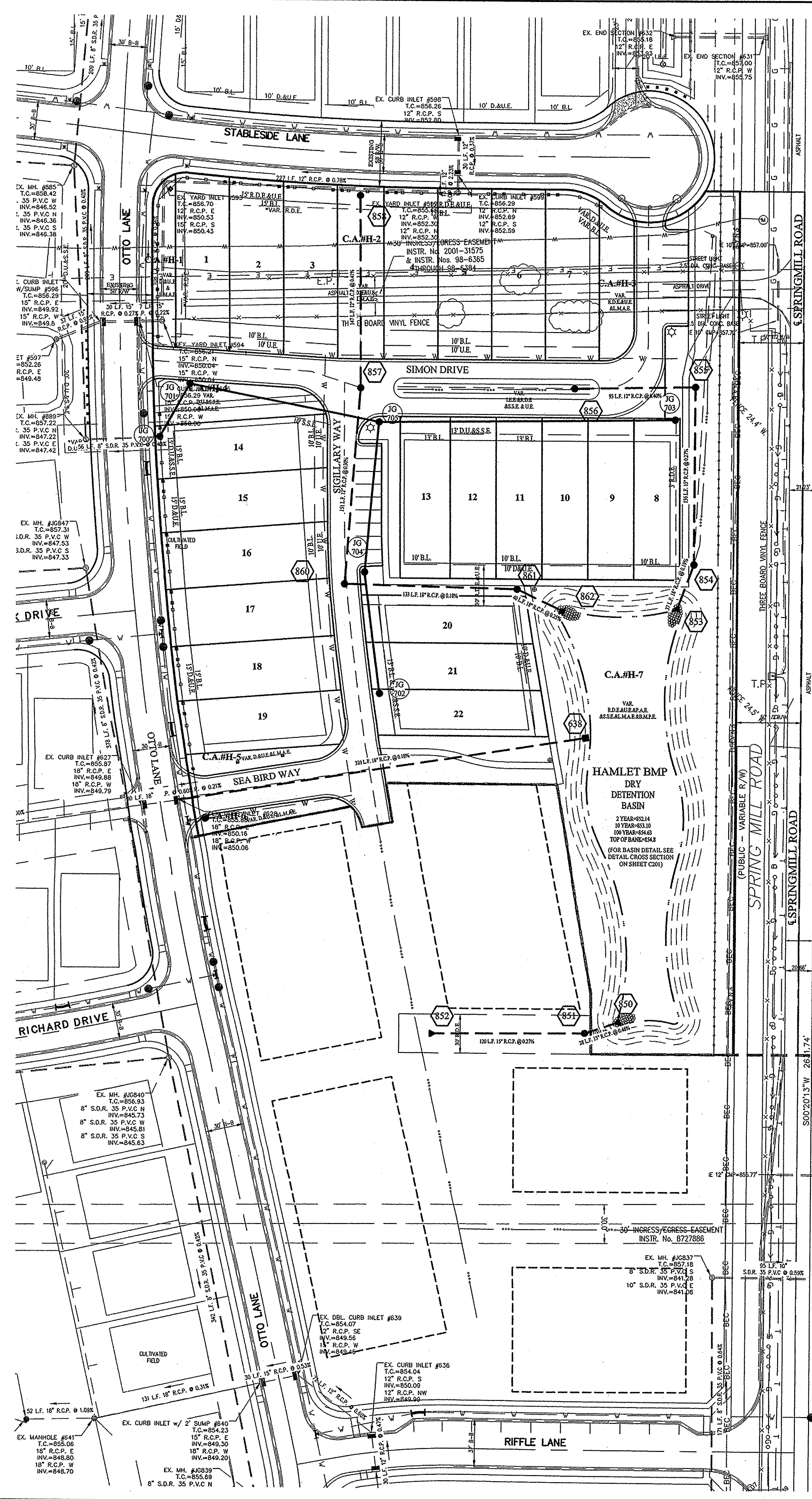
THE HAMLET at JACKSONS GRANT SECTION 1

REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 CERTIFIED: 10/21/16
Daniel J. Stoepelwerth

DATE	DESCRIPTION	BY
10/21/17	REVISED PER DESIGNER MARKUPS	CCE
12/21/16	REVISED PER TAC COMMENTS	CCE
11/16/16	REVISED PER TAC COMMENTS	PRR
11/16/16	REVISED PER TAC COMMENTS	PRR

DRAWN BY: JSW CHECKED BY: BAH
 SHEET NO. C600
 S.E.A. JOB NO. 60160HAM-S1

File Name: S:\610HAM-STIDWG\C600 Storm Sewer Plan and Profiles.dwg - C801
 Modified / By: November 2, 2017 10:43:56 AM / cesposito
 Plotted / By: November 2, 2017 2:14:33 PM / Christian Esposito



RECORD DRAWING

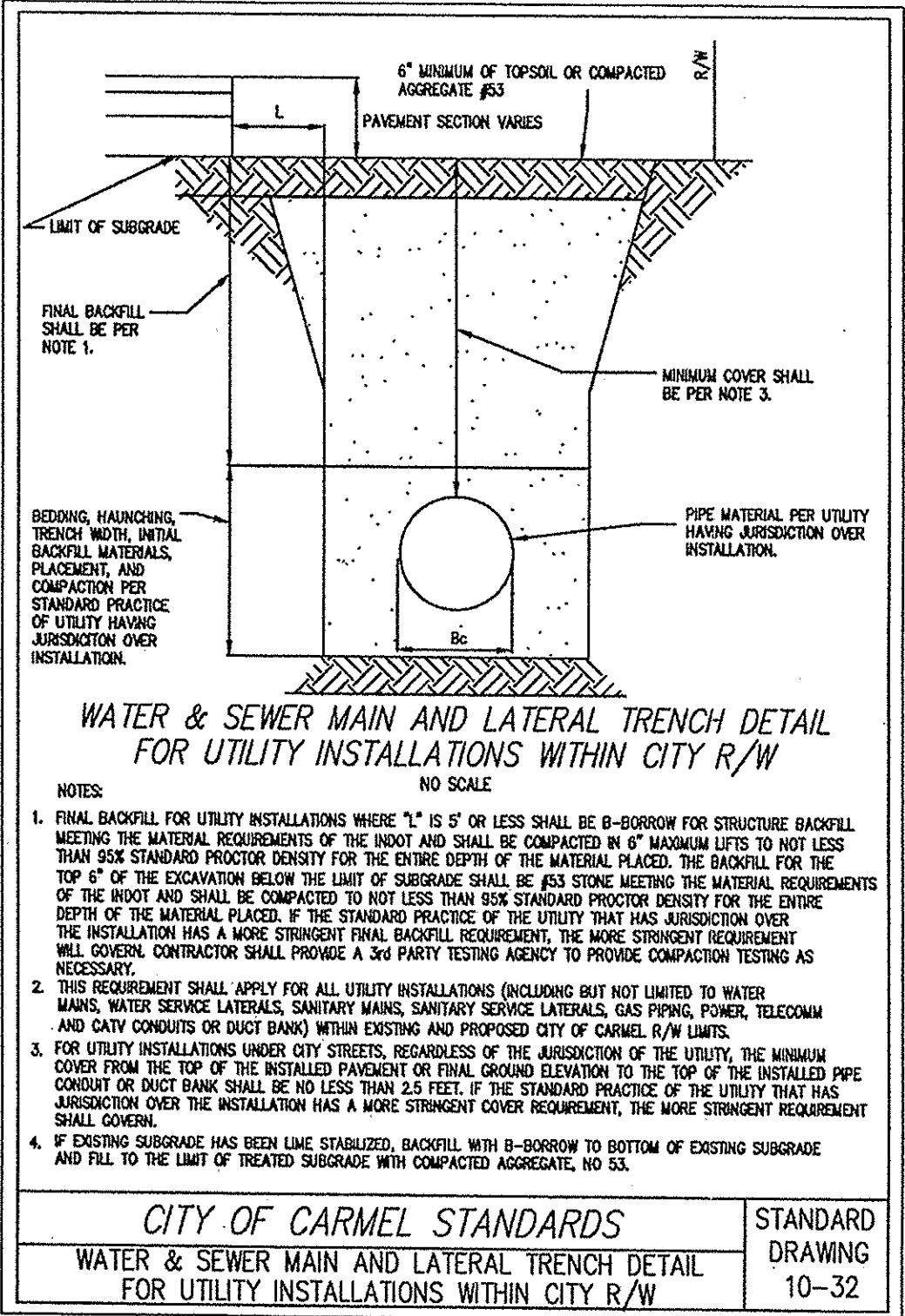
DDE
 Dennis D. Olmstead
 Registered Land Surveyor
 No. 900012
 11/3/2017



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

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

CLARIAN HEALTH PARTNERS, INC.
 INSTR. No. 2003-92213
 SCALE: 1"=50' HOR.
 1"=5' VERT.

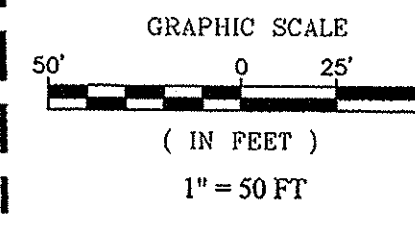
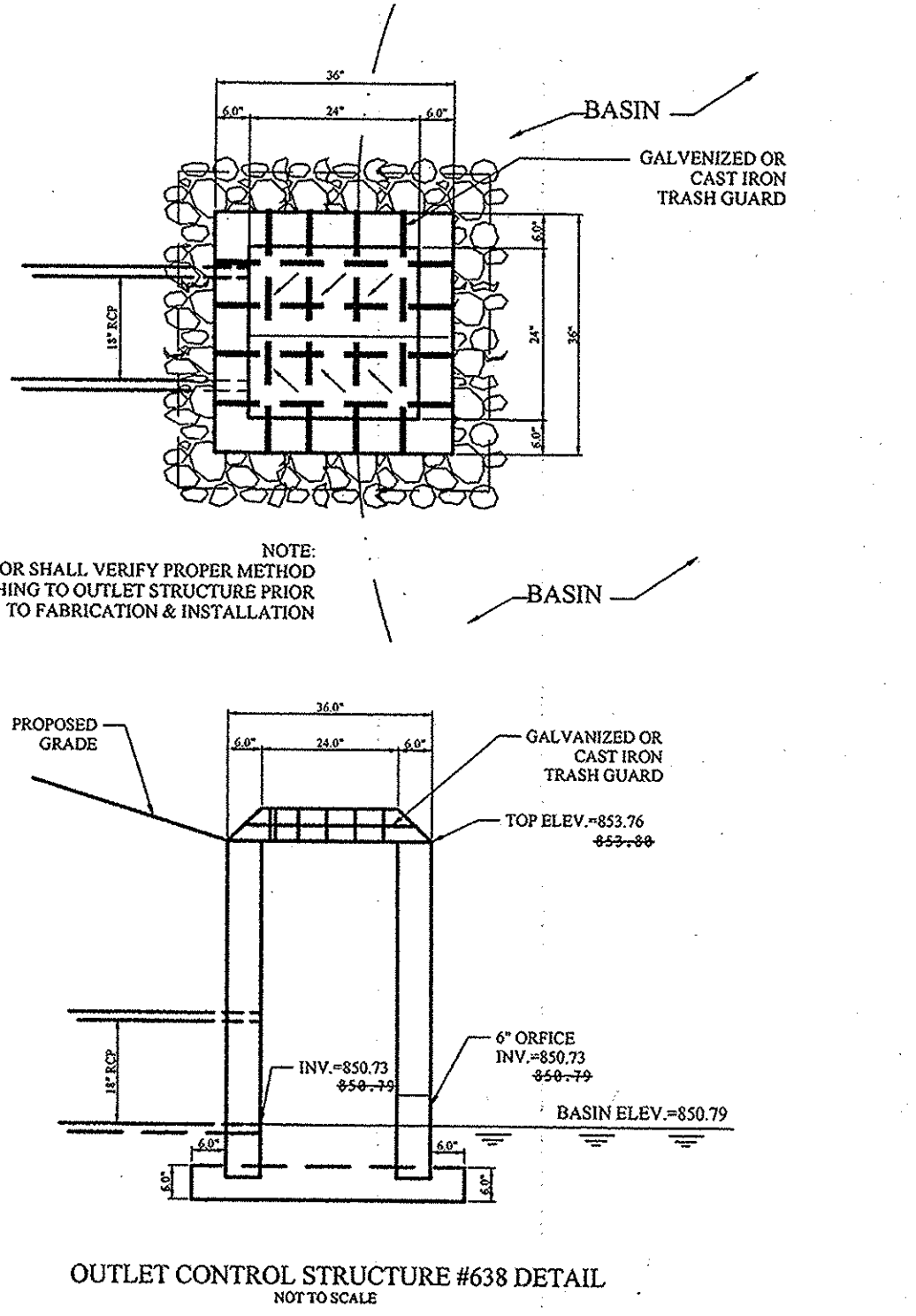
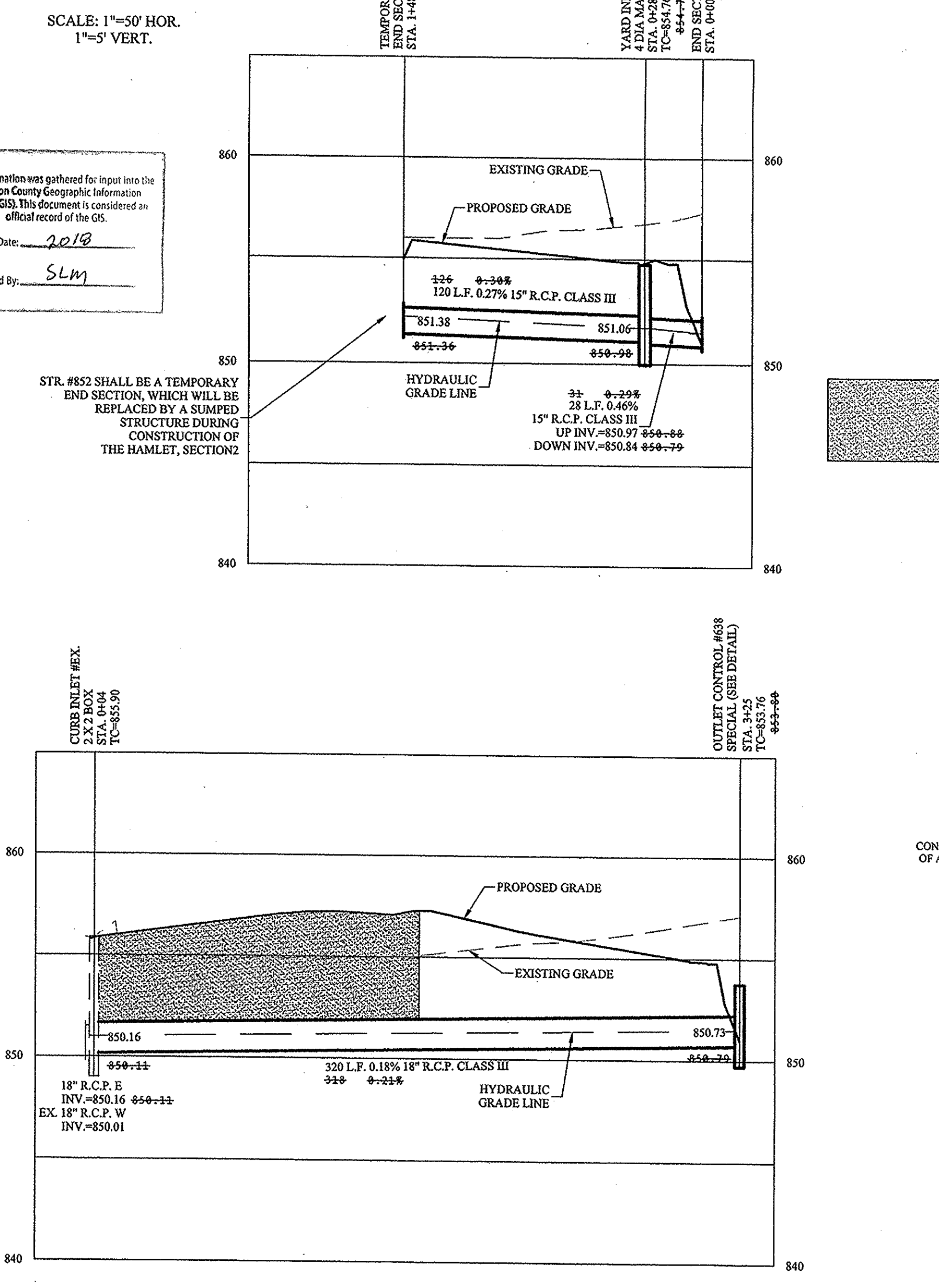


NOTES:
 ALL STORM STRUCTURES TO RECEIVE SOLID LID CASTINGS ARE TO BE CONSTRUCTED TO PROVIDE ONE 4" RISER RING NO MORE, NO LESS TO ACHIEVE PLAN RIM GRADE.
 ALL YARD INLETS ARE TO BE CONSTRUCTED AT A TOLERANCE OF +0.00' TO -0.20' OF PLAN GRADE.
 ALL STORM SEWER CASTINGS SHALL BE LABELED "DUMP NO WASTE-DRAINS 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 UNDER CITY STREETS AND COVER REQUIREMENTS, SEE SHEET No. C802 ON THE TRENCH DETAIL.
 THE MINIMUM COVER FROM THE TOP OF THE INSTALLED PAVEMENT TO THE TOP OF THE INSTALLED PIPE SHALL BE THE PAVEMENT SECTION THICKNESS (ALL BITUMINOUS AND AGGREGATE MATERIAL ABOVE THE SUBGRADE) PLUS 1'-0", BUT UNDER NO CIRCUMSTANCES SHALL THE COVER ALONG ANY PART OF THE PIPE FROM THE FINAL PAVEMENT ELEVATION TO THE TOP OF THE PIPE BE LESS THAN 2.5 FEET.

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.

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.



AS BUILT'S
 REVISIONS
 DATE
 MARK

NO. 19358
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

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

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

CERTIFIED: 10/21/16
 David J. Stoepfelwerth

STOEPPELWERTH
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 Phone: 317.889.5555, Fax: 317.891.5594

STORM SEWER PLAN & PROFILE
THE HAMLET at JACKSONS GRANT
SECTION 1

HAMILTON COUNTY, INDIANA
 CARMEL

DRAWN BY: JSW
 CHECKED BY: BAH

SHEET NO.
C601
 S.A. JOB NO.
 60160HAM-S1