





Kenton C. Ward, CFM Surveyor of Hamilton County Phone (3x7) 776-8495 Fax (3x7) 776-9628

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

March 30, 2017

To: Hamilton County Drainage Board

Re: Williams Creek Drain, Shadow Wood 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 Shadow Wood 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	682 ft.	36" RCP	24 ft.
15" RCP	790 ft.	6" SSD	5,870 ft.
18" RCP	310 ft.	12" HDPE	16 ft.
21" RCP	606 ft.	Open Ditch	485 ft.
24" RCP	206 ft.		•

The total length of the drain will be 8,989 feet.

The open ditch listed above is part of the drainage design for the 146<sup>th</sup> Street Improvement Project, but is being installed with this project, as to provide an outlet for this site. The open ditch will be in 146<sup>th</sup> Street ROW, owned by Hamilton County Highway Department, parcel 17-09-21-00-00-001.000, owned by CB Children Partnership, and parcel 17-09-21-00-16-073.000, owned by Saddle Creek Homeowners Association, Inc.

The detention basin (Lake 1) located in Common Area D is 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 detention basin (Lake 1) 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 pend was designed will be retained. Thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs, those main lines in front/rear yards, and those 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:

Curbline SSD in Streets:

Carlow Run Gum Drive Burl Way Fir Court Lacewood Court Front/Rear Yard SSDs:

Rear yard lots 1 & 2from Str. 628 west to riser Rear yard lots 2 & 3 from Str. 628 south-east to riser Rear yard lot 3 from Str. 627 north-west to riser Rear yard lot 4 from Str. 627 south to riser Rear yard lot 5 from Str. 625 north to riser Rear yard lot 6 & 7 from Str. 625 south to riser Rear yard lots 8 to 10 from Str. 603 north to riser Rear yard lot 11 & 29 from Str. 607 to Str. 608 Rear yard lots 11 to 14 from Str. 608 north to riser Rear yard lots 14 & 15 from Str. 636 south to riser Rear yard lot 16 from Str. 636 north to riser Front yard lots 17 to 20 from Str. 614 running parallel to curbline SSD to riser Front yard lots 21 to 24 from Str. 615 running parallel to curbline SSD to riser Front yard lots 25 to 29 from Str. 609 running parallel to curbline SSD to riser Common Area B and lots 20 to 21 from existing Str. 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 \$2,337.70.

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

Agent: Hartford Fire Insurance Company

Date: March 14, 2017 Number: 59BSBHP7874 For: Storm Sewers Amount: \$370,668.00

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.

The 55' x 560' off-site easement across parcel 17-09-21-00-001.000, was a condemnation order recorded as instrument number 2016010931. The easement on parcel 17-09-21-00-16-073.000, is per the recorded plat for Saddle Creek Section 12, as instrument number 2003122041.

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 Shadow Wood as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for May 22, 2017.

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

		(Revised 06/08/04)
STATE OF INDIANA	1	
) COUNTY OF HAMILTON )		
TO: HAMILTON COUNTY		
% Hamilton County Surv One Hamilton County Noblesville, IN. 46060	Square, Suite 188	OFFICE OF HAMILTON COUNTY SURVEYOR
In the matter of	Shadow Wood	Subdivision, Section
	Drain Petition.	
drainage will affect various lo	ts in Shadow Woo	he proposed new regulated drain. The d, a subdivision in Hamilton
County, Indiana. The general	route of such drainage shall be	in existing easements and along public

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

roads as shown in the plans on file in the Surveyor's Office.

- (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:

- 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.
- 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.
- 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.
- 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.
- 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.

Adobe PDF Fillable Form

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

10111.1		
8igned	Signed	
Matthew Lonmeyer, Pulte Homes		
Printed Name	Printed Name	
Date 17	Date	
Signed	Signed	
Printed Name	Printed Name	
Date	Date	

### FINDINGS AND ORDER

### CONCERNING THE MAINTENANCE OF THE

### Williams Creek Drain, Shadow Wood Arm

On this  $22^{nd}$  day of May, 2017, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the Williams Creek Drain, Shadow Wood 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

// 1

Member

Member

Attest:

**Pulte Homes** 

Project: Shadow Wood HWC Project No. 2016-056

Date: 03/10/17



	PERFORMANCE BOND - ENGINEE	RS ESTIMA	TE			
	ITEM NAME:	UNIT	QUANTITY	UNIT COST		AMOUNT
STORM SEWER	12" RCP	LF	682	\$ 30.00	\$	20,460.00
	15" RCP	LF	790	\$ 35.00	\$	27,650.00
	18" RCP	LF	310	\$ 40.00	\$	12,400.00
	21" RCP	LF	606	\$ 45.00	\$	27,270.00
	24" RCP	LF	206	\$ 50.00	\$	10,300.00
	36" RCP	LF	24	\$ 65.00	\$	1,560.00
	12" END SECTION	EA	1	\$ 800.00	\$	800.00
	21" END SECTION	EA	1	\$ 1,100.00	\$	1,100.00
	24" END SECTION	EA	1	\$ 1,200.00	\$	1,200.00
	36" END SECTION	EA	1	\$ 1,900.00	\$	1,900.00
	12" TRASH GUARD	EA	1	\$ 600.00	\$	600.00
	21" TRASH GUARD	EA	1	\$ 700.00	\$	700.00
	24" TRASH GUARD	EA	1	\$ 750.00	\$	750.00
	36" TRASH GUARD	EA	1.	\$ 850.00	\$	850.00
	MANHOLE, STANDARD	EA	15	\$ 3,000.00	\$	45,000.00
	STANDARD INLET	EA	15	\$ 2,000.00	\$	30,000.00
	DOUBLE INLET	EA	15	\$ 4,000.00	\$	60,000.00
	CURB SSD	LF	3565	\$ 10.00	\$	35,650.00
	SWALE SSD	LF	2210	\$ 10.00	\$	22,100.00
	SSD LATERALS	EA	29	\$ 100.00	\$	2,900.00
	GRANULAR BACKFILL	TON	475	\$ 12.00	\$	5,700.00
				R SUBTOTAL:	S (1722-1600)	308,890.00
	STORM SEW	ER PEREO	RMANCE B	OND (120%):	\$	370,668.00
					<u> </u>	
MONUMENTATION	LOT CORNERS	EA	119	\$ 35.00	\$	4,165.00
	CENTERLINE	EA	14	\$ 200.00	\$	2,800.00
	CONCRETE 4X4 PROPERTY CORNERS	EA	11	\$ 500.00	\$	5,500.00
				N SUBTOTAL:	16000	12,465.00
	MONUMENTATIO	)N PERFO	RMANCE B	OND (120%):	<b> </b> \$	14,958.00

This Engineer's Estimate is an opinion of probable construction cost made on the basis of Engineer's experience and represent Engineer's judgement as a qualified professional generally familiar with the industry. However, since Engineer has no control over the cost of materials, equipement, labor or market conditions, Engineer cannot guarantee that actual construction cost will not vary from this Engineer's Estimate.

Branch TBLL Brandon T. Burke, P.E.

HWC Engineering



Bond No. 59BSBHP7873

### 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 Hartford Fire Insurance Company a corporation organized and existing under the laws of the State of Connecticut and authorized to transact business in the state of Indiana, as Surety, are held and firmly bound unto the Hamilton County Board of Commissioners, One Hamilton County Square, Noblesville IN 46060 as Obligee, in the penal sum of fourteen thousand nine hundred fifty eight and 00/100 (\$14,958,00) 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 and or install Monumentation in the Shadow Wood Section 1 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 14th of March, 2017.

Pulte Homes of Indiana, LLC

Gragory S. Rives, Assistant Treasurer

Hartford Fire Insurance Company

Jessiea Hollaender, Attorney-in-Fact

# OWER OF ATTORNE

Direct Inquiries/Claims to: THE HARTFORD

**BOND, T-12 One Hartford Plaza** Hartford, Connecticut 06155 Bond.Claims@thehartford.com call: 888-266-3488 or fax: 860-757-5835

Agency Name: WELLS FARGO INS SERVICE USA INC

KNOW ALL PERSONS BY THESE PRESENTS THAT:

		Agency Code: 59-300168
.,	Х	Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
	X	Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
		Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
,		Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
•	Г.,	Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
		Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
		Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
		Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida
		ome office in Hartford, Connecticut, (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint,
up to th	e amo	ount of Unlimited:
ŭessi	lca I	Hollaender, Jeremy Polk of PHOENIX, Arizona

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(les) only as . delineated above by X, and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

in Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on May 6, 2015 the Companies have caused these presents to be signed by its Senior Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



John Gray, Assistant Secretary

M. Ross Fisher, Senior Vice President

STATE OF CONNECTICUT

COUNTY OF HARTFORD

Hartford

On this 11th day of January, 2016, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Senior Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.

Nora M. Stranko Notary Public

My Commission Expires March 31, 2018

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of 03/14/2017 Signed and sealed at the City of Hartford.

















Kevin Heckman, Assistant Vice President

### ACKNOWLEDGEMENT BY PRINCIPAL

STATE OF GEORGIA )
)ss
COUNTY OF FULTON )

This record was acknowledged before me on March 15, 2017, by Gregory S. Rives, Assistant Treasurer, of Pulte Homes of Indiana LLC, who appeared before me and is personally known to me.

WITNESS my hand and official seal.

Signature of Notary Public

Shirley E. Hutchins

Notary Public State of Georgia

My Commission Expires: April 17, 2018

SHIRLEY E HUTCHINS

Notary Public

Fulton County

State of Georgia

My Commission Expires Apr 17, 2018

Bond No. 59BSBHP7874

### PERFORMANCE BOND

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WHEREAS, the Principal has agreed to construct storm sewer improvements in the Shadow Wood 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 14th of March, 2017.

Pulte Homes of Indiana, LLC

Gregory S. Rives, Assistant Treasurer

Hartford Fire Insurance Company

Jessica Hollaender, Attorney-in-Fact

# OWER OF ATTORNEY

Direct inquiries/Claims to: THE HARTFORD

BOND, T-12 One Hartford Plaza Hartford, Connecticut 06156 Bond.Claims@thehartford.com call; 88B-266-34BB or fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Name: WELLS FARGO INS SERVICE USA INC Agency Code: 59-300168 Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida having their home office in Hartford, Connecticut, (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint,

up to the amount of Unlimited :

Jessica Hollaender, Jeremy Polk of PHOENIX, Arizona

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(les) only as delineated above by [3], and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

in Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on May 6, 2015 the Companies have caused these presents to be signed by its Senior Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



John Gray, Assistant Secretary

M. Ross Fisher, Senior Vice President

STATE OF CONNECTICUT

COUNTY OF HARTFORD

Hartford

On this 11th day of January, 2016, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say; that he resides in the County of Hartford, State of Connecticut; that he is the Senior Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.

CERTIFICATE

Notary Public My Commission Expires March 31, 2018

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of 03/14/2017 Signed and sealed at the City of Hartford.

















Kevin Heckman, Assistant Vice President

POA 2016

### **ACKNOWLEDGEMENT BY PRINCIPAL**

STATE OF GEORGIA)

SS.

COUNTY OF FULTON )

This record was acknowledged before me on March 15, 2017, by Gregory S. Rives, Assistant Treasurer, of Pulte Homes of Indiana LLC, who appeared before me and is personally known to me.

WITNESS my hand and official seal.

Signature of Notary Public

Shirley E. Hutchins

Notary Public State of Georgia

My Commission Expires: April 17, 2018

SHIRLEY E HUTCHINS

Notary Public

Fulton County

State of Georgia

My Commission Expires Apr 17, 2018

# BEFORE THE HAMILTON COUNTY DRAINAGE BOARD IN THE MATTER OF

### Williams Creek Drain, Shadow Wood Arm

NOTICE

То	Whom	It	May	Concern	and:	

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the Williams Creek Drain, Shadow Wood Arm on May 22, 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, Shadow Wood Arm

#### NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on May 22 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





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

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

To: Hamilton County Drainage Board

February 13, 2018

Re: Williams Creek Drain: Shadow Wood

Attached are as-built, certificate of completion & compliance, and other information for Shadow wood. 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 March 30, 2017. The report was approved by the Board at the hearing held May 22, 2017. (See Drainage Board Minutes Book 17, Pages 360-362) The changes are as follows: the 12" RCP was shortened from 682 feet to 650 feet. The 15" RCP was shortened from 790 feet to 787 feet. The 18" RCP was shortened from 311 feet to 310 feet. The 21" RCP was shortened from 606 feet to 604 feet. The 24" RCP was shortened from 207 feet to 206 feet. The 36" RCP was not installed as the existing 36" RCP under Towne Road will be addressed with the 146<sup>th</sup> Road improvement project. The 12" HDPE was shortened from 16 feet to 10 feet. The open ditch was lengthened from 485 feet to 487 feet. The 6" SSD was shortened from 5, 870 feet to 5,788 feet. The length of the drain due to the changes described above is now **8,845 feet**.

The non-enforcement was approved by the Board at its meeting on May 22, 2017 and recorded under instrument #2017049042.

The following sureties were guaranteed by Hartford Fire Insurance Company and released by the Board on its February 12, 2018 meeting.

Bond-LC No:59BSBHP7874

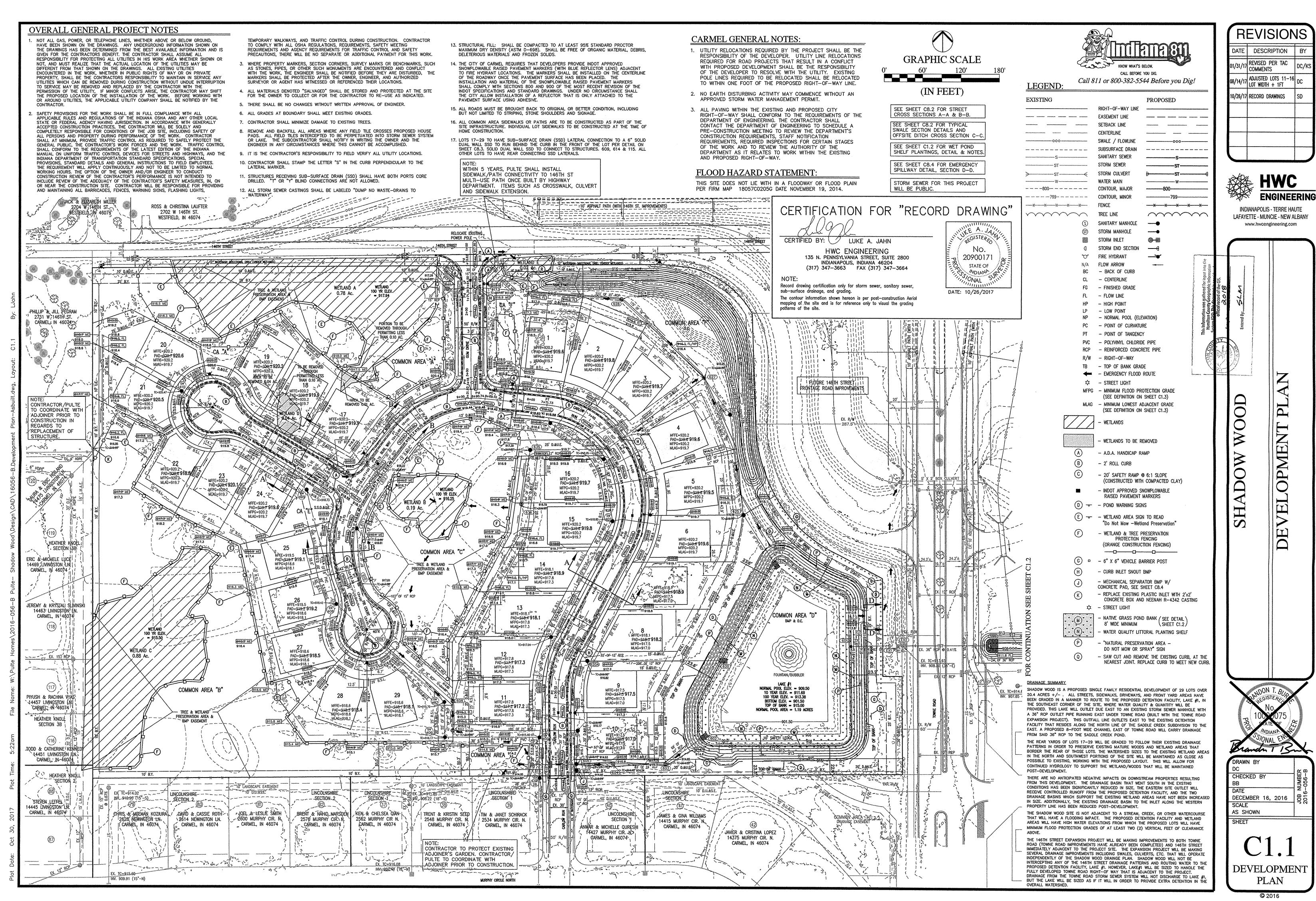
Amount: \$370,668.00 For: Storm Sewers & SSD Issue Date: March 14, 2017 I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,/

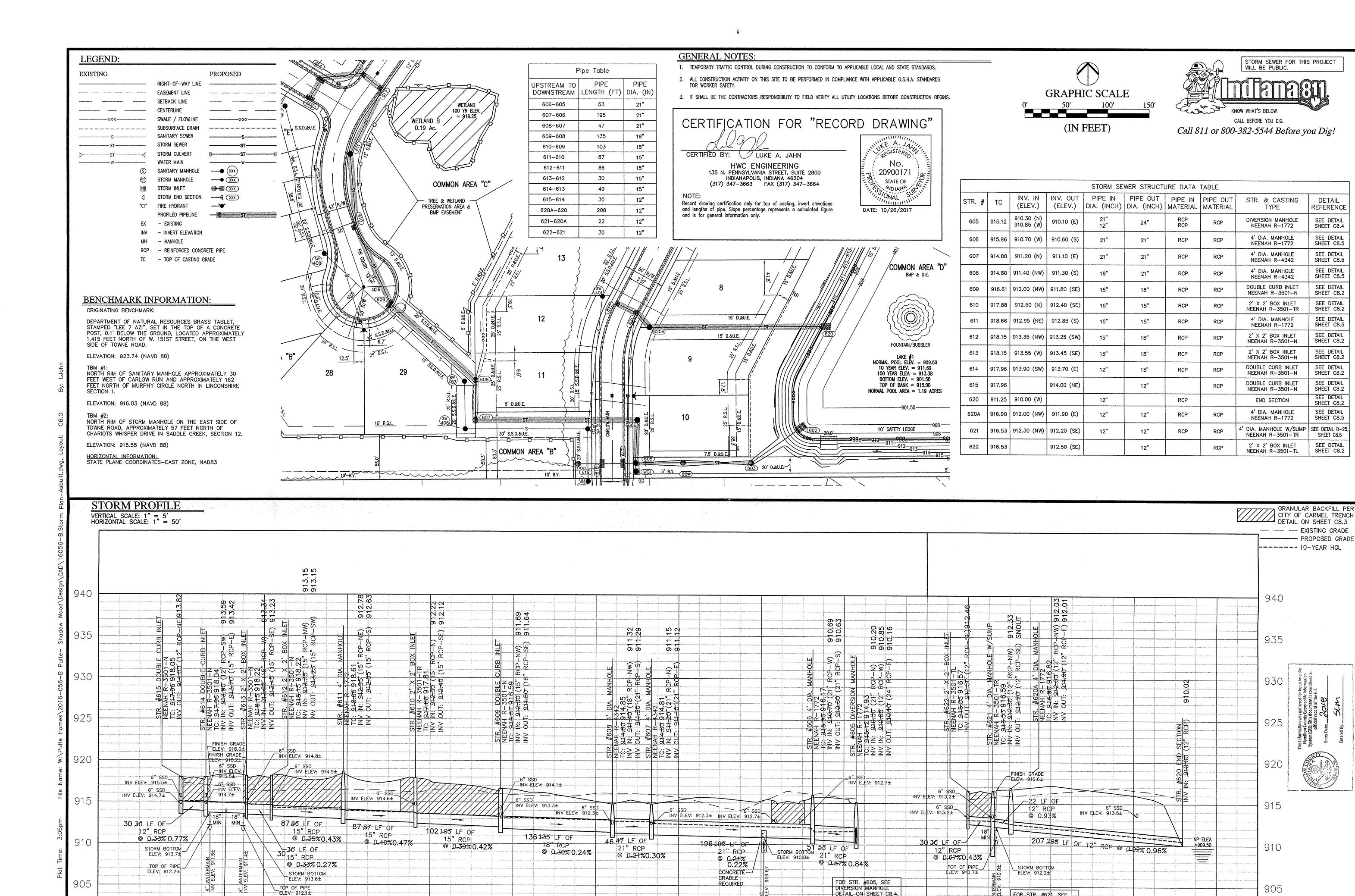
Kenton C. Ward, CFM Hamilton County Surveyor

#### CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor Re: Shadow Wood Subdivision (near 146th & Towne Road, Carmel) 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. Date: 12/18/2017 Signature: Type or Print Name: Luke A. Jahn Business Address: \_\_ 135 N. Pennsylvania Street Suite #2800 Telephone Number: 317-981-1269 **SEAL** INDIANA REGISTRATION NUMBER PS #20900171

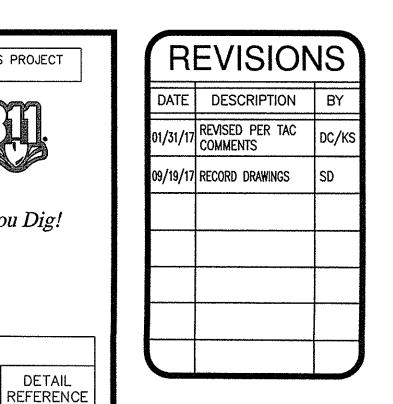


This copy printed from Digital Archive of the Hamilton County Surveyor's Office; One Hamilton Co. Square, Ste., Noblesville, In 46060



DETAIL ON SHEET C8.4.

FOR STR. #621, SEE SUMP MANHOLE D-25 DETAIL ON SHEET C8.5.



**HWC** 

TYPE

SEE DETAIL

SHEET C8.4

SEE DETAIL

SHEET C8.5

SEE DETAIL

SHEET C8.5

SEE DETAIL

SHEET C8.5

SEE DETAIL

SHEET C8.2

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SEE DETAIL

SHEET C8.2

- EXISTING GRADE

----- 10-YEAR HGL

940

935

930

925

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910

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INDIANAPOLIS - TERRE HAUTE LAFAYETTE - MUNCIE - NEW ALBANY www.hwcengineering.com

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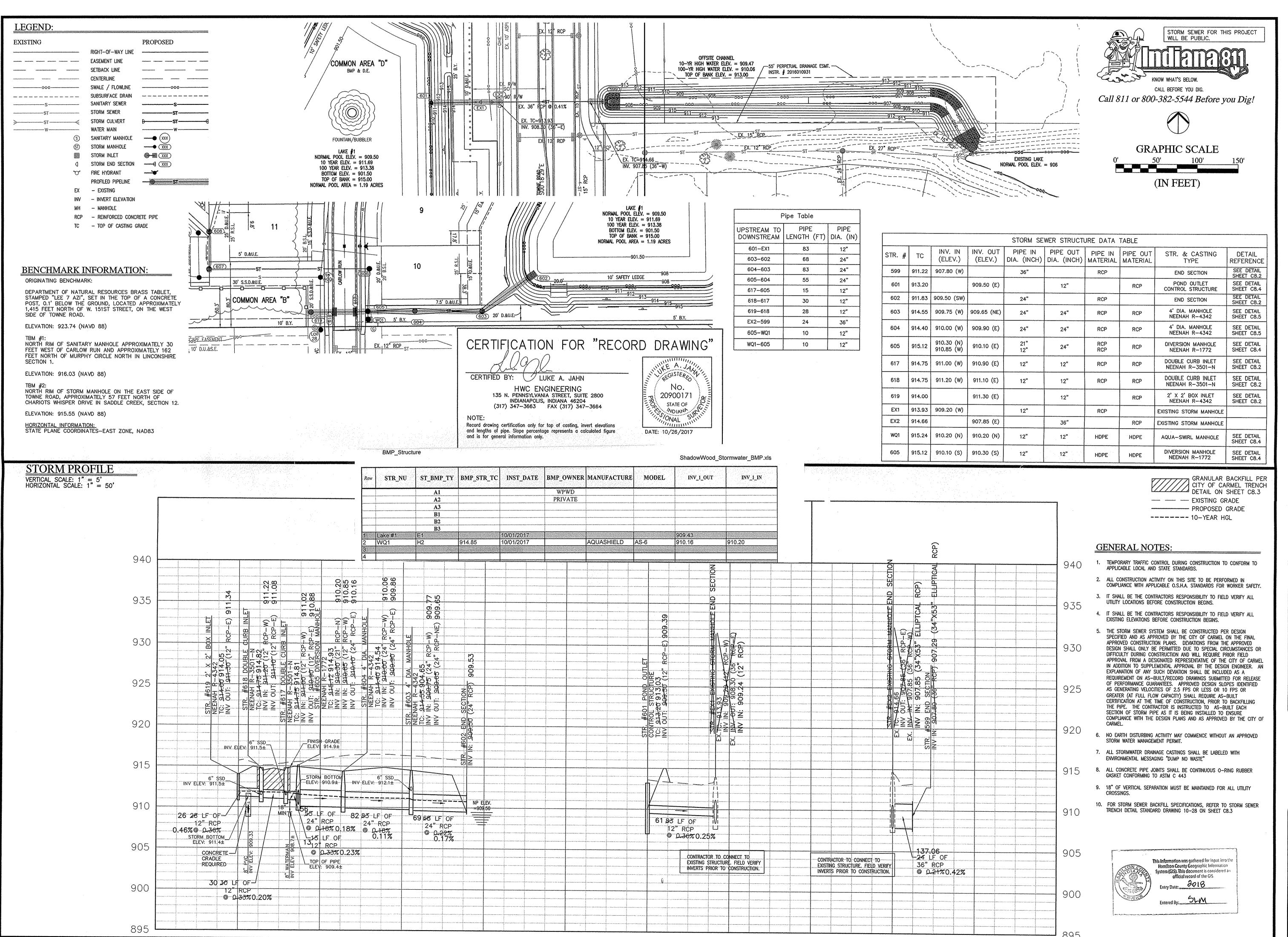
CHECKED BY DECEMBER 16, 2016

SCALE AS SHOWN

STORM SEWER PLAN & PROFILE

© 2016

49 LF OF-15" RCP @ 0.31% 0.16%



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PREVISIONS

DATE DESCRIPTION BY

01/31/17 REVISED PER TAC COMMENTS DC/KS

09/19/17 RECORD DRAWINGS SD



INDIANAPOLIS - TERRE HAUTE LAFAYETTE - MUNCIE - NEW ALBANY www.hwcengineering.com

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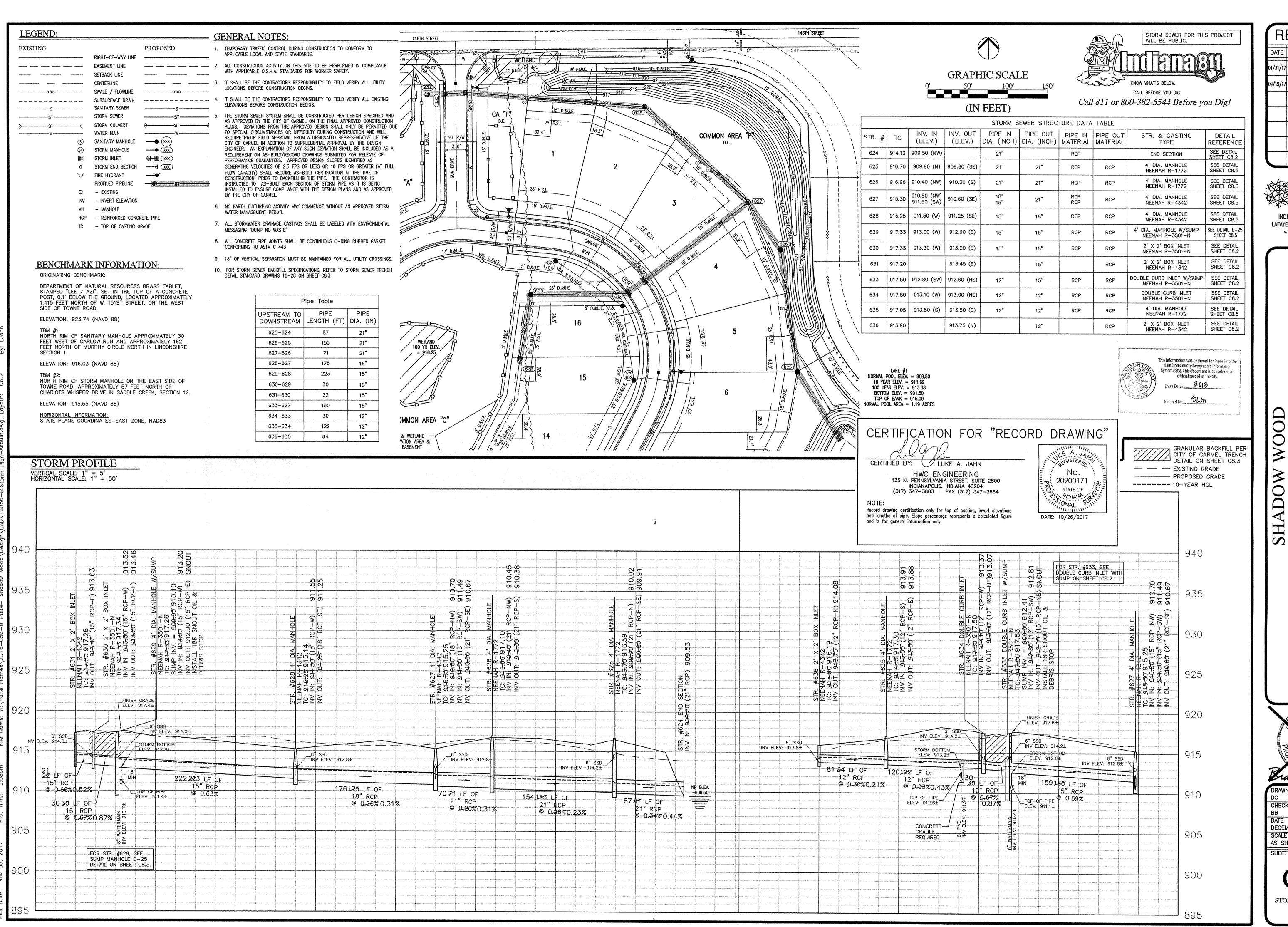
M SEWER PLAN & PROFIL

DRAWN BY DC CHECKED BY BB

CHECKED BY
BB
DATE
DECEMBER 16, 2016
SCALE
AS SHOWN
SHEET

C6.1
STORM SEWER PLAN & PROFILE

© 2016



DATE DESCRIPTION /31/17 REVISED PER TAC COMMENTS 09/19/17 RECORD DRAWINGS



INDIANAPOLIS - TERRE HAUTE LAFAYETTE - MUNCIE - NEW ALBANY www.hwcengineering.com

> PROFIL K WE SE TORM

DRAWN BY CHECKED BY DECEMBER 16, 2016 SCALE

AS SHOWN

STORM SEWER PLAN & PROFILE