



14.6.17

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

February 7, 2017

To: Hamilton County Drainage Board

Re: Vermillion Drain, The Woods at Vermillion, Sec. 2B Arm

Attached is a petition filed by North Connecticut Development Corporation, along with a non-enforcement request, plans, calculations, and quantity summary for the Vermillion Drain, The Woods at Vermillion, Sec. 2B Arm to be located in Fall Creek 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	322 ft.	24" RCP	359 ft.
15" RCP	530 ft.	6" SSD	2,182 ft.
18" RCP	139 ft.	Open (pond)	400 ft.
21" RCP	374 ft.		

The total length of the newly installed drain will be 4,306 feet.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines in rear yards. Only the main SSD lines 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 detention pond (Wet Pond #13 located in Common Area D) is to be considered part of the regulated drain. This is consistent with the ponds in other Vermillion sections. The maintenance of the ponds shall include the inlet and outlet as part of the regulated drain. The maintenance of the ponds such as sediment removal, and erosion control along the banks, mowing and aquatic vegetation control will be

the responsibility of the Homeowners Association. The Board will also retain jurisdiction for ensuring the storage volume for which the pond was designed will be retained, thereby, allowing no fill or easement encroachments.

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 platted lot, \$10.00 per acre for common areas, with a \$65.00 minimum, and \$10.00 per acre for roadways. With this assessment the total annual assessment for this drain for Section 2B will be \$1,143.10.

The petitioner has submitted surety for the proposed drain at this time. The sureties which are in the form of Letters of Credit from the developer are as follows:

Agent: Standard Financial Corporation  
Date: September 20, 2016  
Number: 1229WVRM2B  
For: Storm Sewers  
Amount: \$166,240.80  
HCDB-2016-00029

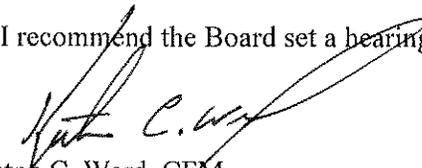
Agent: Standard Financial Corporation  
Date: September 20, 2017  
Number: 1230WVRM2B  
For: Erosion Control  
Amount: \$45,998.09  
HCDB-2016-00030

Agent: Standard Financial Corporation  
Date: September 20, 2016  
Number: 1231WVRM2B  
For: Monumentation  
Amount: \$2,079.60  
HCDB-2016-00031

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. The request will be for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for "The Woods at Vermillion, Sec. 2B" upon recording 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/stc

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                   The Woods at Vermillion                   Subdivision, Section  
                  2B                   Drain Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in The Woods @ Vermillion - Sec. . . . 2B, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefited thereby. Petitioner believes the proposed improvements will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility

Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond or Non-Revocable Letter of Credit for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 120% of the Engineer's estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.
3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain file.
4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" Mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioners cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain as per IC 36-9-27-69(d).

**RECORDED OWNER(S) OF LAND INVOLVED**

*North Connecticut Dev. Corp.*  
*Douglas B. Wagner, Sr. VP*  
Signed

Douglas B. Wagner

Printed Name

*January 8, 2016*  
Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

FINDINGS AND ORDER

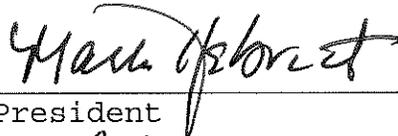
CONCERNING THE MAINTENANCE OF THE

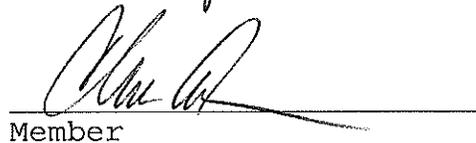
Vermillion Drain,  
The Woods at Vermillion Section 2B Arm

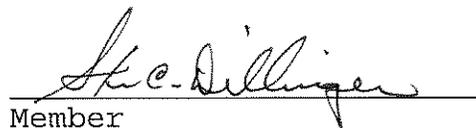
On this 22<sup>nd</sup> day of May, 2017, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Vermillion Drain, The Woods at Vermillion Section 2B Arm*.

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



**ENGINEER'S ESTIMATE OF PROBABLE COST**

Project: The Woods at Vermillion - Section 2B  
W150253

Date: 9/2/2016

**STORM SEWERS**

	Quantity	Unit Price	Gross Price
Structures			
Standard manholes	15	\$ 2,340.00	\$ 35,100.00
Standard Inlet	3	\$ 1,850.00	\$ 5,550.00
Casting Neenah R-3501 (curb Inlet)	8	\$ 400.00	\$ 3,200.00
Casting Neenah R-4342 (beehive Inlet)	7	\$ 275.00	\$ 1,925.00
Casting Neenah R-1772 (Solid lid)	3	\$ 425.00	\$ 1,275.00
12" End Section	1	\$ 1,400.00	\$ 1,400.00
21" End Section	1	\$ 1,750.00	\$ 1,750.00
24" End Section	1	\$ 2,000.00	\$ 2,000.00
Tons of stone backfill (#8)	120	\$ 20.00	\$ 2,400.00
Tons of granular backfill (sand)	160	\$ 13.50	\$ 2,160.00
Tons of Rip Rap	24	\$ 45.00	\$ 1,080.00
Lot connections (4" underdrain)	16	\$ 120.00	\$ 1,920.00
Linear feet of underdrain (6")	2,158	\$ 9.00	\$ 19,422.00

	Qty	Measurement	Size	Material	Unit Price	Gross Price
Pipe	332	Linear feet of	12"	RCP	\$ 22.00	\$ 7,304.00
	530	Linear feet of	15"	RCP	\$ 26.00	\$ 13,780.00
	139	Linear feet of	18"	RCP	\$ 28.00	\$ 3,892.00
	374	Linear feet of	24"	RCP	\$ 42.00	\$ 15,708.00
	359	Linear feet of	27"	RCP	\$ 52.00	\$ 18,668.00
	0	Linear feet of	30"	RCP	\$ 58.00	\$ -
<b>STORM SEWER TOTAL:</b>						<b>\$ 138,534.00</b>

**EROSION CONTROL**

	Quantity	Unit Price	Gross Price
Seeding			
Acres of temp. seed & mulch	4.2	\$ 1,300.00	\$ 5,460.00
Square yards of permanent seed and straw mulch	19,172	\$ 0.36	\$ 6,901.92
Square yards of erosion control blanket w/ permanent seed)	7,756	\$ 1.22	\$ 9,462.32
Other			
Construction Entrance	1	\$ 3,650.00	\$ 3,650.00
Linear feet of sill fencing	6,150	\$ 1.15	\$ 7,072.50
Linear feet of tree protection fencing	1,770	\$ 2.50	\$ 4,425.00
Curb Inlet Protection - Coir mats	8	\$ 80.00	\$ 640.00
Drop Inlet	8	\$ 90.00	\$ 720.00
<b>EROSION CONTROL TOTAL</b>			<b>\$ 38,331.74</b>

**MONUMENTATION**

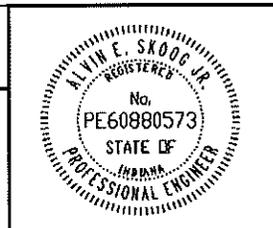
	Quantity	Unit Price	Gross Price
Misc.			
Rebar Street Control	7	\$ 35.00	\$ 245.00
Property Corners	16	\$ 93.00	\$ 1,488.00
<b>MONUMENTATION TOTAL</b>			<b>\$ 1,733.00</b>

**SUMMARY**

	Total	Performance Guarantee	Maintenance Guarantee
	A	B = A X 120%	C = B X 20%
Storm Sewers	\$ 138,534.00	\$ 166,240.80	\$ 33,248.16
Erosion Control	\$ 38,331.74	\$ 45,998.09	\$ 9,199.62
Monumentation	\$ 1,733.00	\$ 2,079.60	\$ 415.92
	<b>\$ 178,598.74</b>	<b>\$ 214,318.49</b>	<b>\$ 42,863.70</b>

**COMMENTS:**

Bond Estimate Prepared by: \_\_\_\_\_  
 Signature: *Alvin E. Skoog, Jr.*  
 Printed Name: Alvin E. (Rusty) Skoog, Jr.  
 Title: Sr. Project Manager  
 Date: 2-Sep-16





September 20, 2016

**Irrevocable Letter of Credit No.: 1229WVRM2B**

TO: Hamilton County Commissioners  
1 Hamilton County Square, Suite 157  
Noblesville, IN 46060

To Whom It May Concern:

We hereby authorize you to value on us for the account of:

Developer Name: North Connecticut Development Corporation  
Developer Address: 3150 Republic Blvd. N, #3  
Toledo, OH 43615

For a sum or sums in United States of America Dollars not to exceed the aggregate total of **One Hundred Sixty-Six Thousand Two Hundred Forty and 80/100 Dollars (\$166,240.80)** by your draft(s) at sight.

The purpose of this Letter of Credit is for the performance of the installation of storm sewers the Woods at Vermillion, Section 2B.

The condition for payment of any drafts drawn against the Letter of Credit requires that the draft be accompanied by beneficiary's signed statement on Hamilton County letterhead stating that North Connecticut Development Corporation has not performed or complied with the terms of the construction plan requirements of said project. The statement must also outline the specific deficiencies in construction.

All drafts must be marked, "Drawn under Standard Financial Corporation Letter of Credit No. 1229WVRM2B".

This credit is subject, so far as applicable, to "The Uniform Customs and Practice for Documentary Credits (2007 Revision), International Chamber of Commerce Publication No. 600.

This Letter of Credit is effective as of September 20, 2016 and shall expire on September 20, 2017, but such expiration date shall be automatically extended for a period of one year on September 20, 2017, and on each successive expiration date, unless a release is received from the Hamilton County Commissioners or we notify both the Hamilton County Commissioners and North Connecticut Development Corporation by certified mail, at least ninety (90) days before the current expiration date, that we have decided not to extend this Letter of Credit beyond the



current expiration date. In the event of such notification by us, the credit established by this Letter shall be available to the Hamilton County Commissioners upon its sight draft or demand for payment for ninety (90) days after receipt of such notice by the Hamilton County Commissioners as shown on the signed return receipt.

We hereby agree with you that all drafts drawn under and in compliance with the terms of this credit shall be duly honored on due presentation to the main office of Standard Financial Corporation, 13578 E. 131<sup>st</sup> Street, Suite 200, Fishers, IN 46037.

Sincerely,

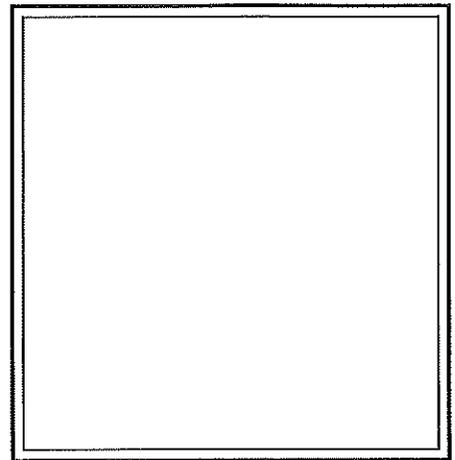
**STANDARD FINANCIAL CORPORATION**

A handwritten signature in cursive script, appearing to read 'Eric Roof', is written over a horizontal line.

Authorized Signature

Eric Roof, Treasurer

Name and Title



*This Letter of Credit is not valid unless the seal of Standard Financial Corporation is affixed hereto.*



COPY

September 20, 2016

**Irrevocable Letter of Credit No.: 1230WVRM2B**

TO: Hamilton County Commissioners  
1 Hamilton County Square, Suite 157  
Noblesville, IN 46060

To Whom It May Concern:

We hereby authorize you to value on us for the account of:

Developer Name: North Connecticut Development Corporation  
Developer Address: 3150 Republic Blvd. N, #3  
Toledo, OH 43615

For a sum or sums in United States of America Dollars not to exceed the aggregate total of **Forty-Five Thousand Nine Hundred Ninety-Eight and 09/100 Dollars (\$45,998.09)** by your draft(s) at sight.

The purpose of this Letter of Credit is for the performance of the installation of erosion control in the Woods at Vermillion, Section 2B.

The condition for payment of any drafts drawn against the Letter of Credit requires that the draft be accompanied by beneficiary's signed statement on Hamilton County letterhead stating that North Connecticut Development Corporation has not performed or complied with the terms of the construction plan requirements of said project. The statement must also outline the specific deficiencies in construction.

All drafts must be marked, "Drawn under Standard Financial Corporation Letter of Credit No. 1230WVRM2B".

This credit is subject, so far as applicable, to "The Uniform Customs and Practice for Documentary Credits (2007 Revision), International Chamber of Commerce Publication No. 600.

This Letter of Credit is effective as of September 20, 2016 and shall expire on September 20, 2017, but such expiration date shall be automatically extended for a period of one year on September 20, 2017, and on each successive expiration date, unless a release is received from the Hamilton County Commissioners or we notify both the Hamilton County Commissioners and North Connecticut Development Corporation by certified mail, at least ninety (90) days before the current expiration date, that we have decided not to extend this Letter of Credit beyond the



current expiration date. In the event of such notification by us, the credit established by this Letter shall be available to the Hamilton County Commissioners upon its sight draft or demand for payment for ninety (90) days after receipt of such notice by the Hamilton County Commissioners as shown on the signed return receipt.

We hereby agree with you that all drafts drawn under and in compliance with the terms of this credit shall be duly honored on due presentation to the main office of Standard Financial Corporation, 13578 E. 131<sup>st</sup> Street, Suite 200, Fishers, IN 46037.

Sincerely,

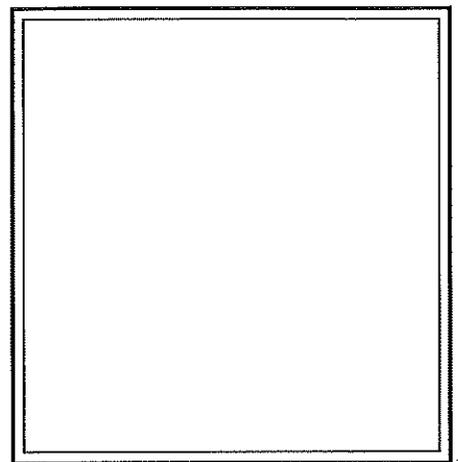
**STANDARD FINANCIAL CORPORATION**

A handwritten signature in cursive script, appearing to read 'Eric Roof', is written over a horizontal line.

Authorized Signature

Eric Roof, Treasurer

Name and Title



*This Letter of Credit is not valid unless the seal of Standard Financial Corporation is affixed hereto.*



September 20, 2016

**Irrevocable Letter of Credit No.: 1231WVRM2B**

TO: Hamilton County Commissioners  
1 Hamilton County Square, Suite 157  
Noblesville, IN 46060

To Whom It May Concern:

We hereby authorize you to value on us for the account of:

Developer Name: North Connecticut Development Corporation  
Developer Address: 3150 Republic Blvd. N, #3  
Toledo, OH 43615

For a sum or sums in United States of America Dollars not to exceed the aggregate total of **Two Thousand Seventy-Nine and 60/100 Dollars (\$2,079.60)** by your draft(s) at sight.

The purpose of this Letter of Credit is for the performance of the installation of monumentation in the Woods at Vermillion, Section 2B.

The condition for payment of any drafts drawn against the Letter of Credit requires that the draft be accompanied by beneficiary's signed statement on Hamilton County letterhead stating that North Connecticut Development Corporation has not performed or complied with the terms of the construction plan requirements of said project. The statement must also outline the specific deficiencies in construction.

All drafts must be marked, "Drawn under Standard Financial Corporation Letter of Credit No. 1231WVRM2B".

This credit is subject, so far as applicable, to "The Uniform Customs and Practice for Documentary Credits (2007 Revision), International Chamber of Commerce Publication No. 600.

This Letter of Credit is effective as of September 20, 2016 and shall expire on September 20, 2017, but such expiration date shall be automatically extended for a period of one year on September 20, 2017, and on each successive expiration date, unless a release is received from the Hamilton County Commissioners or we notify both the Hamilton County Commissioners and North Connecticut Development Corporation by certified mail, at least ninety (90) days before the current expiration date, that we have decided not to extend this Letter of Credit beyond the

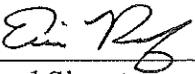


current expiration date. In the event of such notification by us, the credit established by this Letter shall be available to the Hamilton County Commissioners upon its sight draft or demand for payment for ninety (90) days after receipt of such notice by the Hamilton County Commissioners as shown on the signed return receipt.

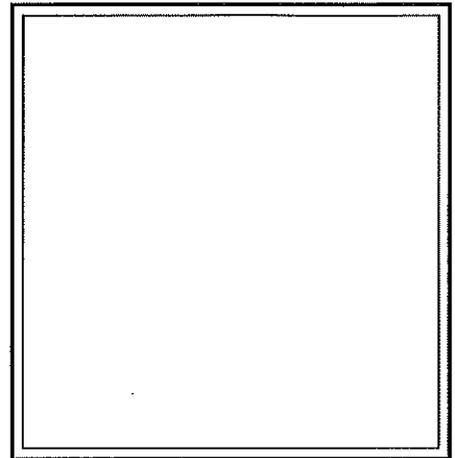
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Sincerely,

**STANDARD FINANCIAL CORPORATION**

  
\_\_\_\_\_  
Authorized Signature

Eric Roof, Treasurer  
\_\_\_\_\_  
Name and Title



*This Letter of Credit is not valid unless the seal of Standard Financial Corporation is affixed hereto.*

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF

Vermillion Drain, The Woods at Vermillion Section 2B Arm

NOTICE

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

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Vermillion Drain, The Woods at Vermillion Section 2B 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

Vermillion Drain,  
The Woods at Vermillion Section 2B Arm

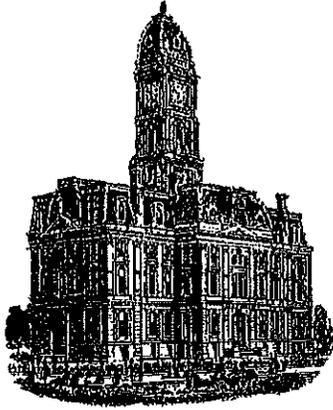
NOTICE

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*  
*Fax (317) 776-9628*

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

**To: Hamilton County Drainage Board**

**June 12, 2018**

**Re: Vermillion Drain: The Woods at Vermillion, Sec. 2B**

Attached are as-built, certificate of completion & compliance, and other information for The Woods at Vermillion Sec. 2B. 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 February 7, 2017. The report was approved by the Board at the hearing held May 22, 2017. (See Drainage Board Minutes Book 17, Pages 356-358) The changes are as follows: the 12" RCP was lengthened from 322 to 323 feet. The 15" RCP was shortened from 530 feet to 529 feet. The 18" RCP was shortened from 140 feet to 139 feet. The 21" RCP was shortened from 374 feet to 372 feet. The 6" SSD was lengthened from 2,182 feet to 2,531 feet. The length of the drain due to the changes described above is now **4,654 feet**. It should be noted that this project removed 167 feet of 21" RCP installed with Woods at Vermillion Section 1.

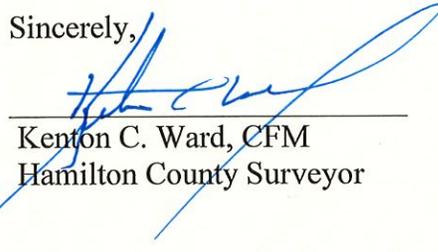
The non-enforcement was approved by the Board at its meeting on May 22, 2017 and recorded under instrument #2018008681.

The following sureties were guaranteed by Standard Financial Corp. and released by the Board on its June 11, 2018 meeting.

Bond-LC No: 1229WVRM2B  
Amount: \$166,240.80  
For: Storm Sewers & SSD  
Issue Date: September 20, 2016

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

Sincerely,



---

Kenton C. Ward, CFM  
Hamilton County Surveyor

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: *THE HERITAGE @ VERMILLION - SECTION 2*

I hereby certify that:

1. I am a Registered Land Surveyor or Engineer in the State of Indiana.
2. I am familiar with the plans and specifications for the above referenced subdivision.
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced subdivision.
4. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been installed and completed in conformity with all plans and specifications.
5. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been correctly represented on the Record Drawings, Digital Record Drawings and the Structure Data Spreadsheet.

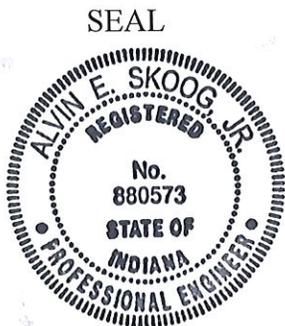
Signature: *Al E. Skoog Jr* Date: *Aug. 25, 2017*

Type or Print Name: *ALVIN E. SKOOG JR*

Business Address: *WEIHE ENGINEERS, INC.*

*10505 N. COLLEGE AVE, INDIANAPOLIS IN*  
*46280*

Telephone Number: *317 846-6611*



INDIANA REGISTRATION NUMBER

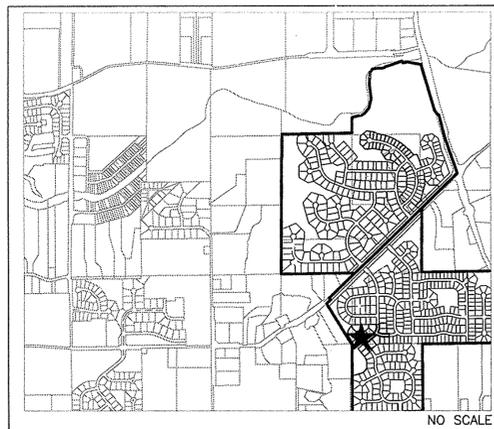
*880573*

**FILED**

**AUG 31 2017**

OFFICE OF HAMILTON COUNTY SURVEYOR

# RECORD DRAWING CONSTRUCTION DRAWINGS **THE WOODS AT VERMILLION** **SECTION 2B** FALLCREEK TOWNSHIP, FORTVILLE, IN 46040

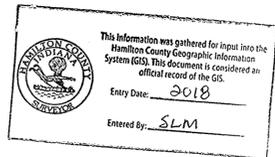


AREA LOCATION MAP  
GENERAL NOTES

- 1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
- 2) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION
- 3) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
- 4) ALL QUANTITIES GIVEN ON THESE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
- 5) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
- 6) IN ADDITION, EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- 7) IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.
- 8) TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
- 9) THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
- 10) ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.
- 11) IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER THAT ALL LANDSCAPE REQUIREMENTS ARE MET AND CONFORM TO APPLICABLE LOCAL STANDARDS.
- 12) THE SITE DOES NOT LIE IN A SPECIAL FLOOD HAZARD AREA AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - NATIONAL FLOOD INSURANCE PROGRAM, WHEN PLOTTED BY SCALE ON FLOOD INSURANCE RATE MAP #18057C0259G AND 18057C0278G, NOVEMBER 19, 2014.
- 13) BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
- 14) THIS SITE DOES CONTAIN WETLANDS AS SHOWN ON THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE, FORTVILLE, INDIANA, NATIONAL WETLANDS INVENTORY MAP. NO WETLANDS ARE IMPACTED BY THIS DEVELOPMENT.
- 15) DESIGN PROFESSIONAL CERTIFYING PLANS FOR THE PROJECT ACKNOWLEDGES THEIR PROFESSIONAL RESPONSIBILITY FOR ENSURING THAT ALL WORK IS CORRECT, ACCURATE AND COMPLIES WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS AND ORDINANCES. IF SUCH AN ERROR/OMISSION IS FOUND, THE DESIGN PROFESSIONAL ACCEPTS FULL RESPONSIBILITY AND SHALL DETERMINE A SOLUTION THAT COMPLIES WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS AND ORDINANCES. IF SUCH AN ERROR OR OMISSION IS FOUND, THE DEVELOPER IS NOT RELIEVED TO COMPLY WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS AND ORDINANCES.
- 16) ALL WATER MAIN, HYDRANTS, AND WATER VALVES SHALL BE INSPECTED AND SHALL COMPLY WITH BACKFILL, BEDDING, AND THRUST BLOCK REQUIREMENTS PER INDIANA AMERICAN WATER DETAIL SHEETS.
- 17) THE DESIGN AND CONSTRUCTION SHALL COMPLY WITH ALL ADA REQUIREMENTS, SHALL BE PROWAG COMPLIANT AND MEET ALL CURRENT INDOT STANDARD SPECIFICATIONS.
- 18) A ROAD CUT WILL NOT BE PERMITTED FOR ANY UTILITY AFTER A PROOF ROLL HAS BEEN COMPLETED. PRIOR TO A PROOF ROLL, ANY UTILITY PLACED WITHIN THE LIMITS OF THE ROADWAY SHALL BE BACKFILLED WITH GRANULAR MATERIAL AND COMPACTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS.

## OPERATING AUTHORITIES:

- |   |  |  |
|---|--|--|
| <p><b>Fishers Department of Community Development</b><br/>One Municipal Drive<br/>Fishers, IN 46038<br/>317-595-3120<br/>Attn: Adam Zakikowski</p> <p><b>A&amp;E Engineering, INC.</b><br/>8365 Keystone Crossing, Suite 201<br/>Indianapolis, IN 46240<br/>317-202-0864<br/>Attn: Steve Fahrnbach</p> <p><b>SAMCO / HSE Utilities</b><br/>11901 Lakeside Drive<br/>Fishers, IN 46038<br/>317-577-1150<br/>Attn: Thomas Kallio</p> <p><b>Duke Energy</b><br/>100 South Mill Creek Road<br/>Noblesville, IN 46050<br/>317-776-5352<br/>Attn: Tracy Grady</p> <p><b>Vectren</b><br/>16000 Allisonville Road<br/>Noblesville, IN 46061<br/>317-776-5532<br/>Attn: Joanie Clark</p> | <p><b>Ninestar Connect (Power)</b><br/>2243 East Main Street<br/>Greenfield, IN 46140<br/>317-323-2087<br/>Attn: John Splatter</p> <p><b>Fortville Water</b><br/>714 E. Broadway St.<br/>Fortville, IN 46040<br/>317-485-4044<br/>Attn: Joe Renner</p> <p><b>Triad Associates</b><br/>5835 Lawton Loop East Drive<br/>Indianapolis, IN 46216<br/>317-377-5230<br/>Attn: Dick Mosier</p> <p><b>Hamilton County Surveyor</b><br/>One Hamilton County Square, Suite 188<br/>Noblesville, Indiana 46060<br/>317-776-8495<br/>Attn: Steve Cash</p> <p><b>Ninestar Connect</b><br/>P.O. Box 108<br/>Maxwell, IN 46154<br/>317-323-2078<br/>Attn: George Pilinski</p> | <p><b>Comcast</b><br/>5330 E. 65th Street<br/>Indianapolis, IN 46220<br/>317-774-3384<br/>Attn: Matt Stringer</p> <p><b>A1&amp;T</b><br/>5858 N. College Avenue<br/>Indianapolis, IN 46220<br/>317-252-4267<br/>Attn: Brian Peters</p> <p><b>Hamilton County Highway Department</b><br/>1700 S. 10th Street<br/>Noblesville, IN 46060<br/>317-773-7770<br/>Attn: David Lucas</p> <p><b>Embara / Century Link</b><br/>50 North Jackson Street<br/>Franklin, IN 46131<br/>317-736-4863<br/>Attn: Dave Meyers</p> |
|---|--|--|



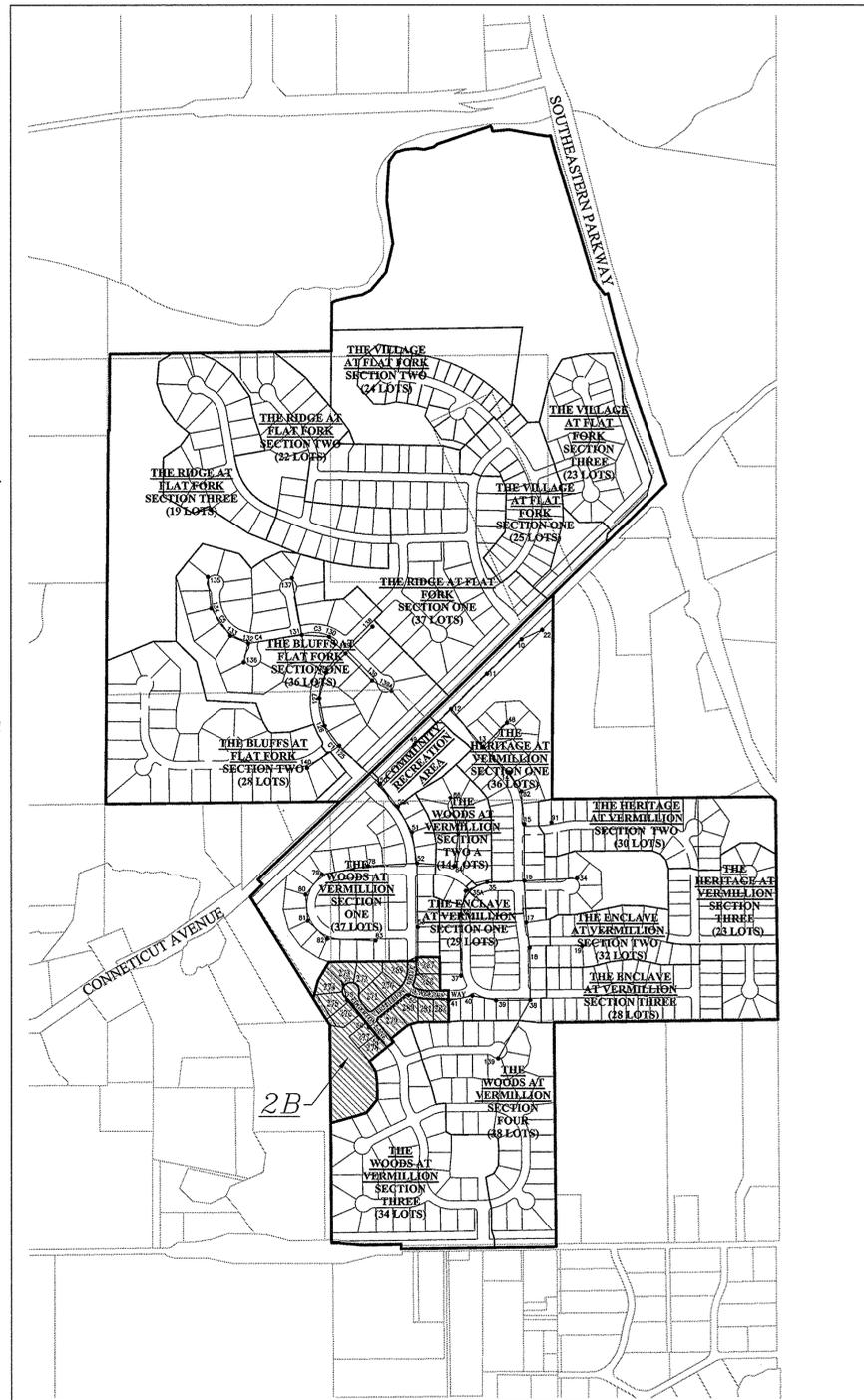
**PLANS PREPARED FOR**  
**REPUBLIC DEVELOPMENT**  
NORTH CONNECTICUT DEVELOPMENT CORP.  
13578 EAST 131st STREET, SUITE 200  
FISHERS, IN 46037  
TELEPHONE: 317-770-1818  
CONTACT PERSON: DOUG WAGNER

**PLANS PREPARED BY**  
**WEIHE ENGINEERS, INC.**  
10505 N. COLLEGE AVE.  
INDIANAPOLIS, IN 46280  
(317) 846-6611  
CONTACT PERSON: ALVIN (RUSTY) SKOOG

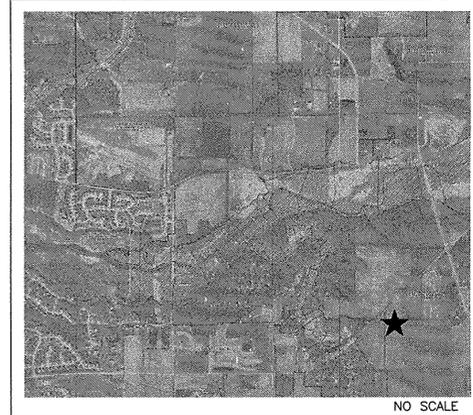
### BENCHMARK INFORMATION

- SOURCE BENCHMARK**  
HSE 29  
HSE DISC IN CONCRETE SET 5' SOUTH OF THE SOUTH BACK OF CURB ALONG 101ST ST., 1800'+/- EAST OF CYNTHIANNE RD., 33' WEST OF THE FIRST DRIVE WEST OF THE BRIDGE OVER FLATFORK CREEK.  
N=1707462.37  
E=268743.89  
EL=855.00 (NAVD 88)
- TBM 1**  
RAILROAD SPIKE SET IN THE SOUTHWEST SIDE OF A 20" TREE LOCATED ON THE SOUTHEAST SIDE OF CONNECTICUT AVENUE, APPROXIMATELY 1,104'+/- SOUTHWEST OF THE INTERSECTION OF CONNECTICUT AVENUE WITH GREENFIELD AVE.  
N=1711251  
E=271743  
EL=858.88 (NAVD 88)
- TBM 2**  
RAILROAD SPIKE SET IN THE WEST SIDE OF A UTILITY POLE LOCATED APPROXIMATELY 784' SOUTH OF THE NORTHEAST CORNER OF THE NORTHEAST QUARTER OF SECTION 8-117N-REE.  
N=1709400  
E=273165  
EL=864.60 (NAVD 88)
- TBM 3**  
MAG NAIL SET IN THE NORTH SIDE OF A UTILITY POLE LOCATED ON THE SOUTH SIDE OF 101ST STREET, APPROXIMATELY 1,097'+/- EAST OF THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SECTION 8-117N-REE.  
N=1707470  
E=271220  
EL=863.33 (NAVD 88)

LATITUDE: 39°56'40" N, LONGITUDE: 85°52'17" W



SITE MAP



F.E.M.A. F.I.R.M.

## SHEET INDEX

SHEET NO.	DESCRIPTION
C001	TITLE SHEET
C100	EXISTING CONDITIONS / DEMOLITION PLAN
C200	STORMWATER POLLUTION PREVENTION PLAN PHASE 1
C201	STORMWATER POLLUTION PREVENTION PLAN PHASE 2
C202-C203	STORMWATER POLLUTION PREVENTION DETAILS & SPECS.
C300	DEVELOPMENT PLAN
C301	POND LIMITS/FLOOD ROUTE PLAN
C400-C401	STREET PLAN & PROFILE/INTERSECTION DETAILS
C402	TRAFFIC CONTROL/SIGNAGE/STREET LIGHT/SUMP PLAN
C403-C406	STREET DETAILS
C500	SANITARY SEWER PLAN & PROFILE
C501-C502	SANITARY SEWER DETAILS & SPECIFICATIONS
C600-C601	STORM SEWER PLAN & PROFILE
C604	STORM SEWER DETAILS
C700	WATER MAIN PLAN
C701-C703	WATER MAIN DETAILS/SPECIFICATIONS
L100	LANDSCAPE PLANS - STREET TREES

RECORD DRAWING  
08/08/2017

JOSEPH TRTAN, LS21500003



## SITE DATA

STREET LENGTHS:

SECTION 2B	
EDGERTON LANE	395.67 L.F.±
NEWBERRY WAY	259.43 L.F.±
VERMILLION DRIVE	448.17 L.F.±
TOTAL	1,103.27 L.F.±

NOTE: DESIGN SPEED FOR ALL INTERIOR ROADS SHALL BE 25 MPH.

SITE AREA:

SITE	2B = 10.01 AC.±
LOTS	2B = 16

### ERRORS AND OMISSIONS STATEMENT

DESIGN PROFESSIONAL CERTIFYING PLANS FOR THE PROJECT ACKNOWLEDGES THEIR PROFESSIONAL RESPONSIBILITY FOR ENSURING THAT ALL WORK IS CORRECT, ACCURATE AND COMPLIES WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS AND ORDINANCES. IF SUCH AN ERROR/OMISSION IS FOUND, THE DESIGN PROFESSIONAL ACCEPTS FULL RESPONSIBILITY AND SHALL DETERMINE A SOLUTION THAT COMPLIES WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS AND ORDINANCES. IF SUCH AN ERROR OF OMISSION IS FOUND, THE DEVELOPER IS NOT RELIEVED OF COMPLYING WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS AND ORDINANCES.

NOTE: THE HAMILTON COUNTY SURVEYOR OFFICE, HAMILTON COUNTY HIGHWAY DEPARTMENT, HSE UTILITIES, AND FORTVILLE WATER STANDARDS SHALL BE INCORPORATED BY REFERENCE INTO THESE PLANS.



**FILED**  
Within Indiana Call  
811 or 800-382-5544  
24 Hours a Day, 7 Days a Week  
AUG 31 2017  
PER INDIANA STATE LAW IC 8-1-26,  
IT IS AGAINST THE LAW TO EXCAVATE  
WITHOUT NOTIFYING THE UNDERGROUND  
LOCATION SERVICE TWO (2) WORKING  
DAYS BEFORE COMMENCING WORK.

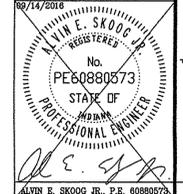
10505 N. College Avenue  
Indianapolis, Indiana 46280  
weihe.net  
317 | 846 - 6611  
800 | 452 - 6408  
317 | 843 - 0546 fax  
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

**WEIHE ENGINEERS**  
Land Surveying | Civil Engineering  
Landscape Architecture

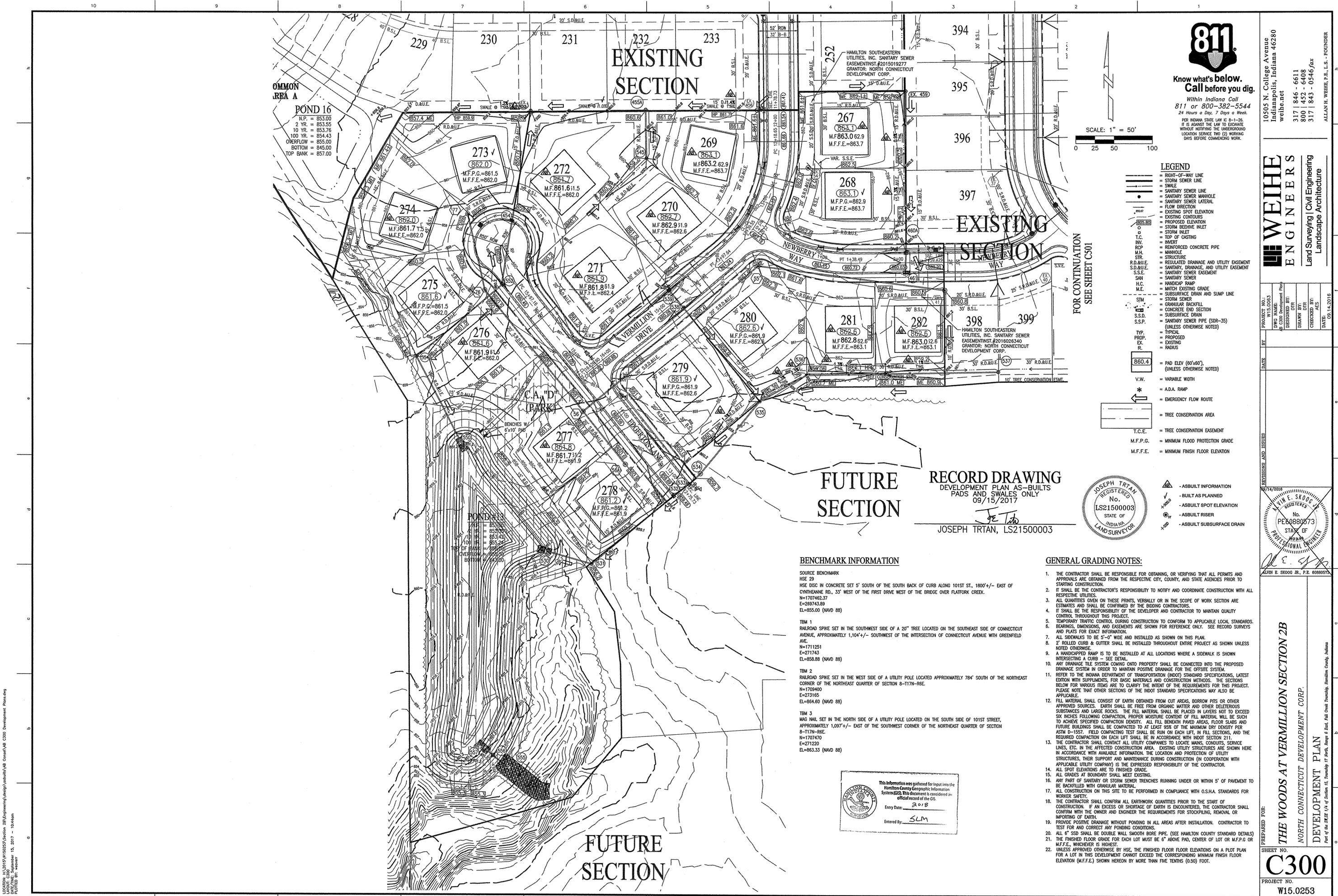
PROJECT NO. W15.0253  
DWG NAME: AS CON'T THIS SHEET  
DESIGNED BY: JTR  
DRAWN BY: JTR  
CHECKED BY: AES  
DATE: 08-14-2016

DATE

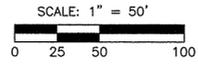
REVISIONS AND ISSUES



PREPARED FOR:  
**THE WOODS AT VERMILLION SECTION 2B**  
 NORTH CONNECTICUT DEVELOPMENT CORP.  
 TITLE SHEET  
 SHEET NO.  
**C001**  
 PROJECT NO.  
 W15.0253



**Know what's below. Call before you dig.**  
 Within Indiana Call  
 811 or 800-382-5544  
 24 Hours a Day, 7 Days a Week  
 PER INDIANA STATE LAW IC 8-1-26,  
 IT IS AGAINST THE LAW TO EXCAVATE  
 WITHOUT NOTIFYING THE UNDERGROUND  
 LOCATION SERVICE TWO (2) WORKING  
 DAYS BEFORE COMMENCING WORK.



**LEGEND**

[Symbol]	RIGHT-OF-WAY LINE
[Symbol]	STORM SEWER LINE
[Symbol]	SWALE
[Symbol]	SANITARY SEWER LINE
[Symbol]	SANITARY SEWER MANHOLE
[Symbol]	SANITARY SEWER LATERAL
[Symbol]	FLOW DIRECTION
[Symbol]	EXISTING SPOT ELEVATION
[Symbol]	EXISTING CONTOURS
[Symbol]	PROPOSED ELEVATION
[Symbol]	STORM BEHIND INLET
[Symbol]	STORM INLET
[Symbol]	TOP OF CASTING
[Symbol]	INVERT
[Symbol]	INV. RCP
[Symbol]	MANHOLE
[Symbol]	STRUCTURE
[Symbol]	REGULATED DRAINAGE AND UTILITY EASEMENT
[Symbol]	SANITARY, DRAINAGE, AND UTILITY EASEMENT
[Symbol]	S.S.E.
[Symbol]	SANITARY SEWER EASEMENT
[Symbol]	SANITARY SEWER
[Symbol]	HANDICAP RAMP
[Symbol]	M.C.E.
[Symbol]	SUBSURFACE DRAIN AND SUMP LINE
[Symbol]	STIM
[Symbol]	STORM SEWER
[Symbol]	GRANULAR BACKFILL
[Symbol]	CONCRETE END SECTION
[Symbol]	SUBSURFACE DRAIN
[Symbol]	S.S.P.
[Symbol]	SANITARY SEWER PIPE (SDR-35)
[Symbol]	(UNLESS OTHERWISE NOTED)
[Symbol]	TYP.
[Symbol]	PROPOSED
[Symbol]	EXISTING
[Symbol]	RADIUS
[Symbol]	PAD ELEV (60'x60') (UNLESS OTHERWISE NOTED)
[Symbol]	V.V.
[Symbol]	VARIABLE WIDTH
[Symbol]	A.D.A. RAMP
[Symbol]	EMERGENCY FLOW ROUTE
[Symbol]	TREE CONSERVATION AREA
[Symbol]	T.C.E.
[Symbol]	TREE CONSERVATION EASEMENT
[Symbol]	M.F.P.G.
[Symbol]	MINIMUM FLOOD PROTECTION GRADE
[Symbol]	M.F.F.E.
[Symbol]	MINIMUM FINISH FLOOR ELEVATION
[Symbol]	AS-BUILT INFORMATION
[Symbol]	BUILT AS PLANNED
[Symbol]	AS-BUILT SPOT ELEVATION
[Symbol]	AS-BUILT RISER
[Symbol]	AS-BUILT SUBSURFACE DRAIN

FOR CONTINUATION  
SEE SHEET C301

**RECORD DRAWING**  
 DEVELOPMENT PLAN AS-BUILTS  
 PADS AND SWALES ONLY  
 09/15/2017  
 JOSEPH TRTAN, LS21500003

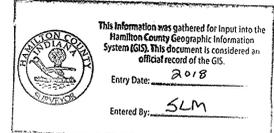


**BENCHMARK INFORMATION**

- SOURCE BENCHMARK  
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 HSE DISC IN CONCRETE SET 5' SOUTH OF THE SOUTH BACK OF CURB ALONG 101ST ST., 1800' +/- EAST OF CYNTHIANNE RD., 33' WEST OF THE FIRST DRIVE WEST OF THE BRIDGE OVER PLATFOUR CREEK.  
 N=1707462.37  
 E=289743.89  
 EL=855.00 (NAVD 88)
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 RAILROAD SPIKE SET IN THE SOUTHWEST SIDE OF A 20" TREE LOCATED ON THE SOUTHEAST SIDE OF CONNECTICUT AVENUE, APPROXIMATELY 1,104' +/- SOUTHWEST OF THE INTERSECTION OF CONNECTICUT AVENUE WITH GREENFIELD AVE.  
 N=1711251  
 E=271743  
 EL=858.88 (NAVD 88)
- TM 2  
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 N=1709400  
 E=273165  
 EL=864.60 (NAVD 88)
- TM 3  
 MAG NAIL SET IN THE NORTH SIDE OF A UTILITY POLE LOCATED ON THE SOUTH SIDE OF 101ST STREET, APPROXIMATELY 1,097' +/- EAST OF THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SECTION 8-117N-86E.  
 N=1707470  
 E=271220  
 EL=863.33 (NAVD 88)

**GENERAL GRADING NOTES:**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
- ALL QUANTITIES GIVEN ON THESE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS, BEARINGS, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS AND PLATS FOR EXACT INFORMATION.
- ALL SIDEWALKS TO BE 5'-0" WIDE AND INSTALLED AS SHOWN ON THIS PLAN.
- 2" ROLLED CURB & GUTTER SHALL BE INSTALLED THROUGHOUT ENTIRE PROJECT AS SHOWN UNLESS NOTED OTHERWISE.
- A HANDICAPPED RAMP IS TO BE INSTALLED AT ALL LOCATIONS WHERE A SIDEWALK IS SHOWN INTERSECTING A CURB - SEE DETAIL.
- ANY DRAINAGE TILE SYSTEM COMING ONTO PROPERTY SHALL BE CONNECTED INTO THE PROPOSED DRAINAGE SYSTEM IN ORDER TO MAINTAIN POSITIVE DRAINAGE FOR THE OFFSITE SYSTEM.
- REFER TO THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) STANDARD SPECIFICATIONS, LATEST EDITION WITH SUPPLEMENTS, FOR BASIC MATERIALS AND CONSTRUCTION METHODS. THE SECTIONS BELOW FOR VARIOUS ITEMS ARE TO CLARIFY THE INTENT OF THE REQUIREMENTS FOR THIS PROJECT. PLEASE NOTE THAT OTHER SECTIONS OF THE INDOT STANDARD SPECIFICATIONS MAY ALSO BE APPLICABLE.
- FILL MATERIAL SHALL CONSIST OF EARTH OBTAINED FROM CUT AREAS, BORROW PITS OR OTHER APPROVED SOURCES. EARTH SHALL BE FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES AND LARGE ROCKS. THE FILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX INCHES FOLLOWING PROPER COMPACTION. PROPER MOISTURE CONTENT OF FILL MATERIAL WILL BE SUCH TO ACHIEVE SPECIFIED COMPACTION DENSITY. ALL FILL BEHIND PAVED AREAS, FLOOR SLABS AND FUTURE BUILDINGS SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY PER ASTM D-1557. FIELD COMPACTION TEST SHALL BE RUN ON EACH LIFT, IN FILL SECTIONS, AND THE REQUIRED COMPACTION ON EACH LIFT SHALL BE IN ACCORDANCE WITH INDOT SECTION 211.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES, ETC. IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY COMPANY) IS THE EXPRESSED RESPONSIBILITY OF THE CONTRACTOR.
- ALL SPOT ELEVATIONS ARE TO FINISHED GRADE.
- ALL GRADES AT BOUNDARY SHALL MEET EXISTING.
- ANY PART OF SANITARY OR STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVEMENT TO BE BACKFILLED WITH GRANULAR MATERIAL.
- ALL CONSTRUCTION ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH O.S.H.A. STANDARDS FOR WORKER SAFETY.
- THE CONTRACTOR SHALL CONFIRM ALL EARTHWORK QUANTITIES PRIOR TO THE START OF CONSTRUCTION. IF AN EXCESS OR SHORTAGE OF EARTH IS ENDORSEMENTED, THE CONTRACTOR SHALL CONFIRM WITH THE OWNER AND ENGINEER THE REQUIREMENTS FOR STOCKPILING, REMOVAL OR IMPORTING OF EARTH.
- PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS AFTER INSTALLATION. CONTRACTOR TO TEST FOR AND CORRECT ANY PONDING CONDITIONS.
- ALL 6" SSD SHALL BE DOUBLE WALL SMOOTH BORE PIPE. (SEE HAMILTON COUNTY STANDARD DETAILS)
- THE FINISHED FLOOR GRADE FOR EACH LOT MUST BE 6" ABOVE PAD, CENTER OF LOT OR M.F.P.G OR M.F.F.E. WHICHEVER IS HIGHEST.
- UNLESS APPROVED OTHERWISE BY HSE, THE FINISHED FLOOR FLOOR ELEVATIONS ON A PLOT PLAN FOR A LOT IN THIS DEVELOPMENT CANNOT EXCEED THE CORRESPONDING MINIMUM FINISH FLOOR ELEVATION (M.F.F.E.) SHOWN HEREON BY MORE THAN FIVE TENTHS (0.50) FOOT.



**WEIHE ENGINEERS**  
 Land Surveying | Civil Engineering  
 Landscape Architecture

10505 N. College Avenue  
 Indianapolis, Indiana 46280  
 weihe.net  
 317 846 - 6611  
 800 1 452 - 6408  
 317 843 - 0546 fax  
 ALLAN H. WEIHE, P.E., L.S. - FOUNDER

PROJECT NO. W15.0253  
 SHEET NO. C300

THE WOODS AT VERMILLION SECTION 2B  
 NORTH CONNECTICUT DEVELOPMENT CORP.  
 DEVELOPMENT PLAN  
 Part of the 87.82 +/- Acres of Section 15, Township 17 North, Range 6 East, Field Creek Township, Hamilton County, Indiana

PREPARED FOR:  
 NORTH CONNECTICUT DEVELOPMENT CORP.

DESIGNED BY: JET  
 DRAWN BY: JET  
 CHECKED BY: JET  
 DATE: 09/14/2016

DATE: 09/14/2016

LOCATION: I:\2015\W150253\Section 2B\Engineering\Design\subarea\A\8\_C300\_Development\_Plans.dwg  
 DATE/TIME: September 15, 2017 - 10:44am  
 PLOTTED BY: jmetzger

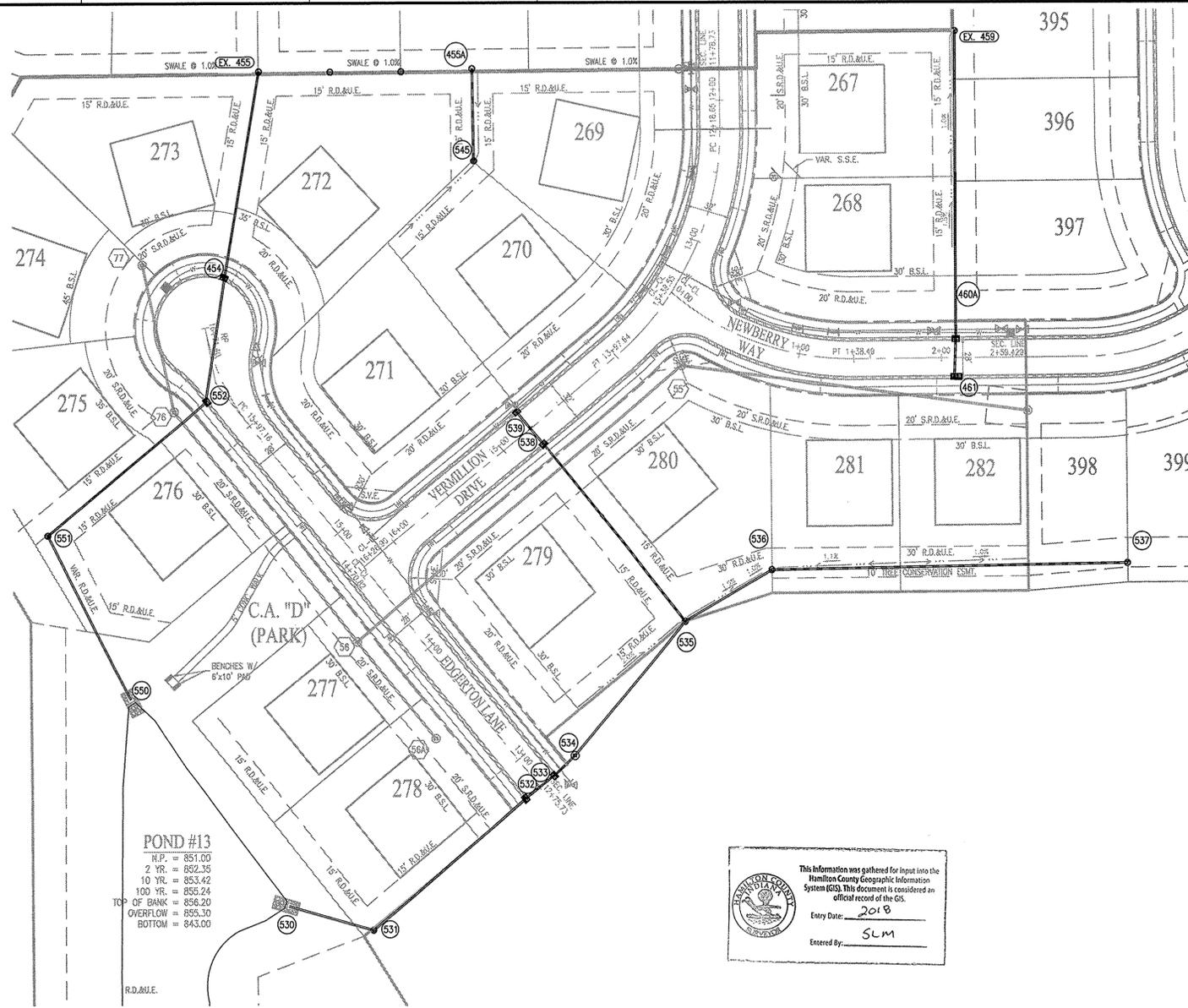
**RECORD DRAWING**

STORM SEWER AS-BUILTS  
STORM SEWER STRUCTURES ONLY  
08/08/2017

JOSEPH TRTAN, LS21500003

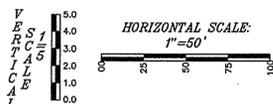


▲ - AS-BUILT INFORMATION  
✓ - BUILT AS PLANNED



**POND #13**  
N.P. = 851.00  
2 YR. = 852.35  
10 YR. = 853.42  
100 YR. = 855.24  
TOP OF BANK = 856.20  
OVERFLOW = 855.30  
BOTTOM = 843.00

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



**NOTES:**

- EXCEPT FOR FORCE MAINS, CONTRACTOR TO INSTALL CONCRETE CRADLES WHEN THE VERTICAL SEPARATION (AS MEASURED FROM THE EXTERIOR OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES AND STORM SEWERS IS 18" OR LESS.
- GRANULAR BACKFILL REQUIRED WHERE TRENCH OPENING ENCLOSEMENTS TO WITHIN 5'-0" OF PAVEMENT.

**BENCHMARK INFORMATION**

**SOURCE BENCHMARK**  
ISE 29  
ISE DISC IN CONCRETE SET 5' SOUTH OF THE SOUTH BACK OF CURB ALONG 101ST ST., 1800'+/- EAST OF CYNTHIANNE RD., 33' WEST OF THE FIRST DRIVE WEST OF THE BRIDGE OVER FLOPKR CREEK.  
N=1707462.37  
E=289743.89  
EL=855.00 (NAVD 88)

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E=271745  
EL=858.88 (NAVD 88)

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N=1709400  
E=273165  
EL=864.60 (NAVD 88)

**BM 3**  
MAG NAIL SET IN THE NORTH SIDE OF A UTILITY

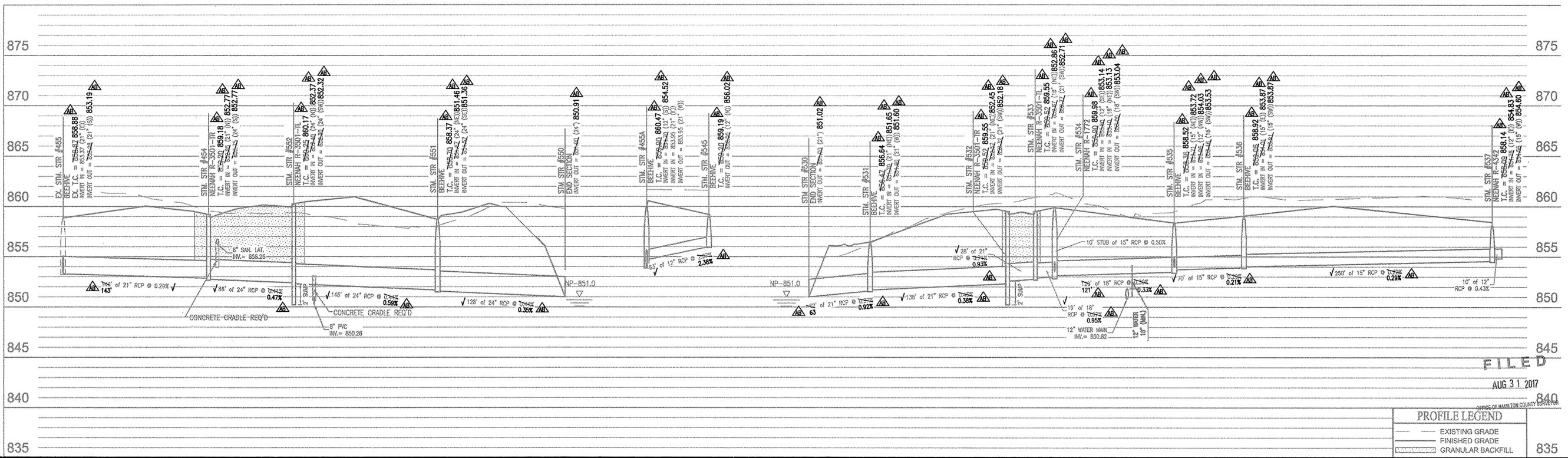
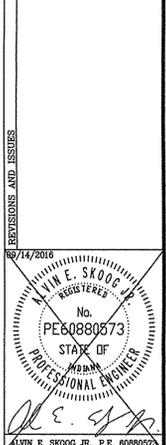


Within Indiana Call  
811 or 800-382-5544  
24 Hours a Day, 7 Days a Week.  
PER INDIANA STATE LAW IC 8-1-28, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

**811**  
10505 N. College Avenue  
Indianapolis, Indiana 46280  
weihre.net  
317 | 846 - 6611  
800 | 452 - 6408  
317 | 843 - 0546 fax  
ALLAN R. WEIHER, P.E., L.S. - FOUNDER

**WEIHER ENGINEERS**  
Land Surveying | Civil Engineering  
Landscape Architecture

PROJECT NO.:	W15.0253
DWG. NO.:	SS-2018-001
DESIGNED BY:	DTM
DRAWN BY:	DTM
CHECKED BY:	ALS
DATE:	08.14.2018



**PROFILE LEGEND**

(Solid line)	EXISTING GRADE
(Dashed line)	FINISHED GRADE
(Hatched area)	GRANULAR BACKFILL

FILED  
AUG 31 2017  
OFFICE OF HAMILTON COUNTY SURVEYOR

PREPARED FOR:  
**THE WOODS AT VERMILLION SECTION 2B**  
NORTH CONNECTICUT DEVELOPMENT CORP.  
STORM SEWER PLAN AND PROFILES  
Part of the SS28 1/4 of Section 16, Township 17 North, Range 2 East, East Town Township, Hamilton County, Indiana.

SHEET NO. **C600**  
PROJECT NO. **W15.0253**

LOCATION: K:\2015\W150253\Section 2B\Engineering\Drawings\SS-2018-001 Storm Sewer Plan.dwg  
 DRAWN BY: DTM  
 CHECKED BY: ALS  
 PLOTTED BY: pml  
 DATE: 08/14/2018 10:17:33 AM



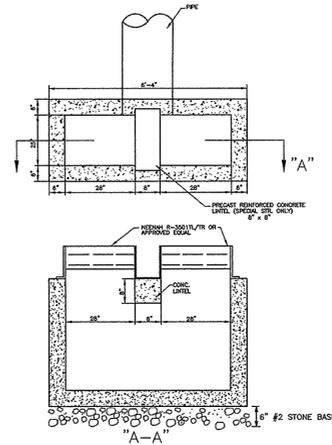
**RECORD DRAWING**

STORM SEWER AS-BUILTS  
STORM SEWER STRUCTURES ONLY  
08/04/2017

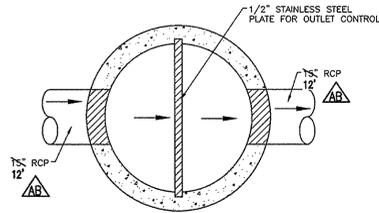
JOSEPH TRTAN, LS21500003



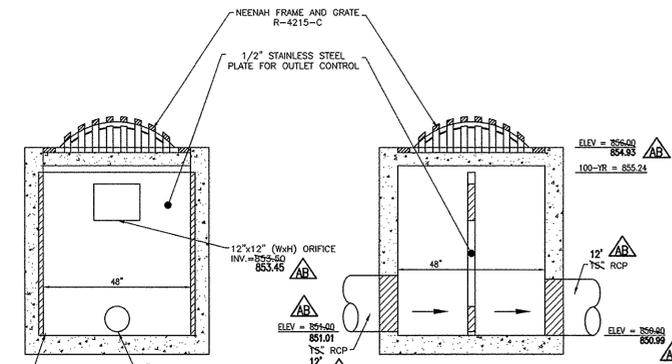
- ▲ - AS-BUILT INFORMATION
- ✓ - BUILT AS PLANNED



**DOUBLE CURB INLET STRUCTURE DETAIL**  
(NO SCALE)

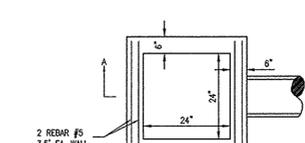


**RESTRICTOR PLATE INSTALLATION DETAIL  
OUTLET SPECIAL STRUCTURE POND "13"**  
(NO SCALE)

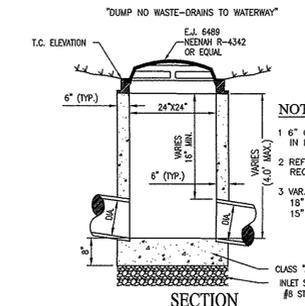


POND DESIGNATION	100%R ELEV.	SPILLWAY ELEV.	SPILLWAY WIDTH
"13"	855.24	855.30	25'

**EMERGENCY SPILLWAY TYPICAL SECTION "A-A"**  
(NO SCALE)

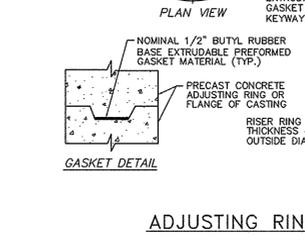
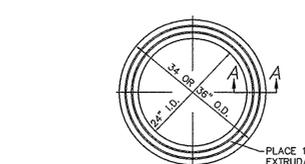


- NOTES:**
- 1 6" CONCRETE PRECAST OR POURED IN PLACE.
  - 2 REFER TO BEDDING DETAIL AS REQUIRED
  - 3 VAR. PIPE SIZE  
18" MAX STRAIGHT CONNECTIONS  
15" MAX SKEW/CORNER CONNECTIONS



- NOTES:**
- 1 6" CONCRETE PRECAST OR POURED IN PLACE.
  - 2 REFER TO BEDDING DETAIL AS REQUIRED
  - 3 VAR. PIPE SIZE  
18" MAX STRAIGHT CONNECTIONS  
15" MAX SKEW/CORNER CONNECTIONS

**BEEHIVE INLET TYPE "A" (MODIFIED)**  
PIPE SIZES 15" TO 18" (NO SCALE)



**ADJUSTING RING DETAIL**  
(NO SCALE)

OFFICE OF THE HAMILTON COUNTY SURVEYOR  
BANK ARMORMENT AT OUTLET PIPE  
IN OPEN CHANNELS

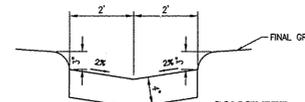
(DRAWING NOT TO SCALE)

HAMILTON COUNTY SURVEYOR'S OFFICE

REVISED: 1 JAN 2000

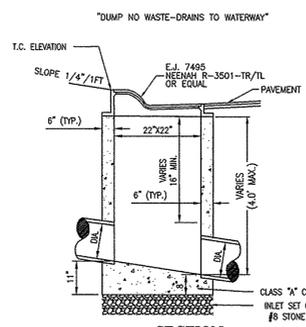
APPROVED: *Kenton C. Ward* DATE: 4 JAN 2000

STANDARD PLAN 0-4



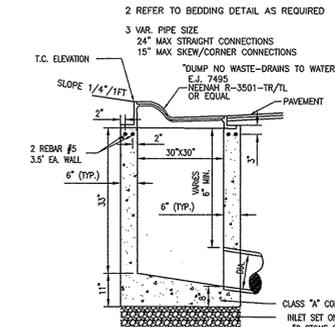
**PAVED SWALE INVERT**  
(NO SCALE)

- NOTES:**
- 1 6" CONCRETE PRECAST OR POURED IN PLACE.
  - 2 REFER TO BEDDING DETAIL AS REQUIRED
  - 3 VAR. PIPE SIZE  
15" MAX STRAIGHT CONNECTIONS  
12" MAX SKEW/CORNER CONNECTIONS

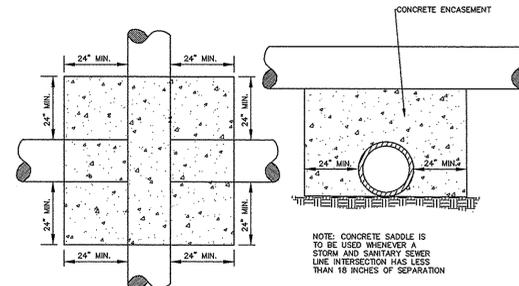


**CURB INLET TYPE "A"**  
PIPE SIZES 12" TO 15" (NO SCALE)

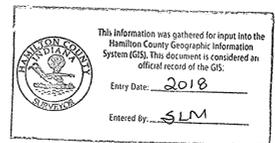
- NOTES:**
- 1 6" CONCRETE PRECAST OR POURED IN PLACE.
  - 2 REFER TO BEDDING DETAIL AS REQUIRED
  - 3 VAR. PIPE SIZE  
15" MAX STRAIGHT CONNECTIONS  
15" MAX SKEW/CORNER CONNECTIONS



**CURB INLET TYPE "E"**  
(NO SCALE)



**CONCRETE SADDLE BETWEEN STORM AND SEWER PIPES**  
(NO SCALE)



**FILED**  
AUG 31 2017  
OFFICE OF HAMILTON COUNTY SURVEYOR

10505 N. College Avenue  
Indianapolis, Indiana 46280  
weihne.net  
317 | 846 - 6611  
800 | 452 - 6408  
317 | 843 - 0546 fax  
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

**WEIHE ENGINEERS**  
Land Surveying | Civil Engineering  
Landscape Architecture

PROJECT NO.: W15.0253  
DWG NAME: AS BUILT Storm Details  
DESIGNED BY: DJR  
DRAWN BY: DJR  
CHECKED BY: AES  
DATE: 08/14/2016

REVISIONS AND ISSUES

08/14/2016  
ALVIN E. SKOOG JR., P.E. #0880573  
PROFESSIONAL ENGINEER

PREPARED FOR:  
**THE WOODS AT VERMILLION SECTION 2B**  
NORTH CONNECTICUT DEVELOPMENT CORP.  
STORM SEWER DETAILS  
Part of the SWSB (1/4 of Section 15, Township 17 North, Range 6 East, 9th Dist. Creek Township, Hamilton County, Indiana)

SHEET NO.  
**C604**  
PROJECT NO.  
W15.0253

LOCATION: W150253 Section 2B Engineering/design/vertical/AS BUILT Storm Details  
 DATE/TIME: August 08, 2017 - 8:37am  
 PLOT/DWG: 01 - 10am