



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

January 30, 2017

To: Hamilton County Drainage Board

Re: Vermillion Drain, The Enclave at Vermillion, Sec. 1 Arm

Attached is a petition filed by North Connecticut Development Corporation (Republic Development), along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Vermillion Drain, The Enclave at Vermillion, Sec. 1 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. As per the plans by Weihe Engineers, Project No. W15.0302, the drain will consist of the following:

12" RCP	461 ft.	27" RCP	64 ft.
15" RCP	503 ft.	30" RCP	120 ft.
18" RCP	155 ft.	6" SSD	3,424 ft.
24" RCP	366 ft.		- ,

The total length of the drain will be 5,098 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.

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 1 will be \$2,010.00.

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: June 6, 2016 Number: 1218ENC1 For: Storm Sewers Amount: \$165,855.00 HCDB-2016-00016

Agent: Standard Financial Corporation

Date: June 6, 2016 Number: 1219ENC1 For: Erosion Control Amount: \$30,972.46 HCDB-2016-00014

Agent: Standard Financial Corporation

Date: June 6, 2016 Number: 1220ENC1 For: Monumentation Amount: \$4,284.00 HCDB-2016-00015

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 plats for The Enclave at Vermillion, Sec. 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for March 27, 2017.

Kenton C. Ward, EFM Hamilton County Surveyor

CW/stc

(Revised 06/08/04)

STATE OF INDIANA)
COUNTY OF HAMILTON)

F | L E D

TO: HAMILTON COUNTY DRAINAGE BOARD

% Hamilton County Surveyor
One Hamilton County Square, Suite 188
Noblesville, IN. 46060-2230

OFFICE OF HAMILTON COUNTY SURVEYOR

In the matter of	The Heritage at Vermillion	Subdivision, Section
3	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 Heritage @ Vermillion - Sec. 3 ___, 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.

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	
North Connectice + Dev. Corp.	
North Connectice + Dev. Corp. Coughes & Wagner, Sv. VP Signed	Signed
Douglas B. Wagner	
Printed Name	Printed Name
Date 8, 2016	Date
Signed	Signed
Printed Name	Printed Name
Date	Date

Adobe PDF Filiable Form

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Vermillion Drain,
The Enclave at Vermillion Section 1 Arm

On this 27th day of March, 2017, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the Vermillion Drain, The Enclave at Vermillion 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

Member

Member

Executive Secretary

Attest



ENGINEER'S ESTIMATE OF PROBABLE COST

Land Surveying | Civil Engineering

Project: The Enclave at Vermillion - Section 1

Date: 5/31/2016

STORM SI	EWER	S		ı	O		H-ti Delaa	ı	Cross Briss
Structures		Standard manholes		+	Quantity 13	\$	Unit Price 1,720.00	\$	Gross Price 22,360.00
ou actores		Standard Inlet		+	8	\$	1,720.00	\$	13,760.00
		Casting Neenah R-3501 (curb inlet)		+	10	\$	395.00	\$	3,950.00
		Casting Neenah R-4342 (beehive inlet)			10	\$	250.00	\$	2,500.00
	ĺ	Casting Neenah R-1772 (Solid lid)		_	10	\$	400.00	\$	4,000.00
	:	Tons of stone backfill (#8)			370	\$	16.00	\$	5,920.00
	-	Tons of granular backfill (sand)		+	320	\$	11.00	\$	3,520,00
		Lot connections (4" underdrain)			29	\$	110.00	\$	3,190.00
	1	Linear feet of underdrain (6")		+-	3,355	\$	7.50	\$	25,162,50
		Entour foot of distriction (c.)				<u></u>	- 100	L <u>·</u>	
Programment of the		Measurement	Size		Material		Unit Price	_	Gross Price
Pipe	471	Linear feet of	12"		RCP	\$	22.00	\$	10,382.00
	508	Linear feet of	15"		RCP	\$	26.00	\$	13,208.00
	165	Linear feet of	18"		RCP	\$	28.00	\$	4,620.00
	366	Linear feet of	24"		RCP	\$	42.00	\$	15,372.00
	64	Linear feet of	27		RCP	\$	52.00	\$	3,328.0
	120	Linear feet of	30		RCP	\$	58.00	\$	6,960.00
					STORM	SEV	ÆR TOTAL:	\$	138,212.50
EROSION	CONT	ROL							
				1	Quantity		Unit Price	ı	Gross Price
Seeding		Acres of temp, seed & mulch			5	\$	1,100.00	\$	5,500.00
	į	Square yards of permanent seed and straw mulch		_	28.852	\$	0.34	\$	9,809.6
	à	Square yards of erosion control blanket w/ permar		+	1,174	\$	1.05	\$	1,232.70
	i	Construction Entrance	iciti occa)	+	1	\$	2,000.00	\$	2,000.00
Other		Linear feet of silt fencing		+	5,240	\$	0.95	\$	4,978.00
Julei	1	Curb Inlet Protection - Coir mats			14	\$	80.00	\$	1,120.00
Misc.	i.	Silt Fence Inlet Protection (Open Area)			13	\$	90.00	\$	1,170.00
	1	one and motor discount (open mos)					ROL TOTAL	<u> </u>	25,810.38
MONUMEI	TAT	ON			·				
MONOME	TIME	ON		1	Quantity		Unit Price	l	Gross Price
Misc.	£.	Rebar Street Control		_	11	\$	35.00	\$	385.00
iviiac.	4	Property Corners			91	\$	35.00	\$	3,185.00
ante a a residenta a propieta de la composición de la composición de la composición de la composición de la co		rioperly comers			.,		TION TOTAL	<u> </u>	3,670.00
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SUMMARY	1					P	erformance		Maintenance
					Total		Guarantee	l	Guarantee
					Α		= A X 120%	┢	C = B X 20%
	Storm	Sewers		\$	138,212.50	\$	165,855.00	\$	33,171.00
		on Control		\$	25,810.38	\$	30,972,46	ŝ	6,194.49
		mentation		\$	3,570,00	\$	4,284.00	\$	856.80
				\$	167,592.88	\$		Ś	40,222.29
COMMEN.	TS:								
Bond Estima	te Prep	ared by:			and the state of t	nui E	SKOOG		
		Printed Name: Alvin E. (Rusty) Skoog	ı, Jr.			EO	No.		
		Title: Sr. Project Manager			Wallen J.	8	80573		

MASSIONAL EN

31-May-16

Date:

JUN - 6 2016

June 6, 2016

HCDB - 2016-00016

OFFICE OF HAMILTON COUNTY SURVEYOR

Irrevocable Letter of Credit No.: 1218ENC1

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-Five Thousand Eight Hundred Fifty-Five and 00/100 Dollars (\$165,855.00) by your draft(s) at sight.

The purpose of this Letter of Credit is for the performance of the installation of storm sewers in Enclave at Vermillion, Section 1.

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. 1218ENC1".

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 June 6, 2016 and shall expire on June 6, 2017, but such expiration date shall be automatically extended for a period of one year on June 6, 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. 131st Street, Suite 200, Fishers, IN 46037.

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.



JUN - 6 2016

June 6, 2016

HCDB-2016-00014 OFFICE OF HAMILTON COUNTY SURVEYOR

Irrevocable Letter of Credit No.: 1219ENC1

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 <u>Thirty Thousand Nine Hundred Seventy-Two and 46/100 Dollars (\$30,972.46)</u> by your draft(s) at sight.

The purpose of this Letter of Credit is for the performance of the installation of erosion control in Enclave at Vermillion, Section 1.

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.

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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. 131st Street, Suite 200, Fishers, IN 46037.

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.



JUN - 6 2016

June 6, 2016 HCDB-2016-00015

OFFICE OF HAMILTON COUNTY SURVEYOR

Irrevocable Letter of Credit No.: 1220ENC1

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 <u>Four Thousand Two Hundred Eighty-Four and 00/100 Dollars (\$4,284.00)</u> by your draft(s) at sight.

The purpose of this Letter of Credit is for the performance of the installation of monumentation in Enclave at Vermillion, Section 1.

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This Letter of Credit is effective as of June 6, 2016 and shall expire on June 6, 2017, but such expiration date shall be automatically extended for a period of one year on June 6, 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



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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 Enclave at Vermillion Section 1 Arm

NOTICE

То	Whom	It	Мау	Concern	and:	

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the Vermillion Drain, The Enclave at Vermillion Section 1 Arm on March 27, 2017 at 9:00 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 Enclave at Vermillion Section 1 Arm

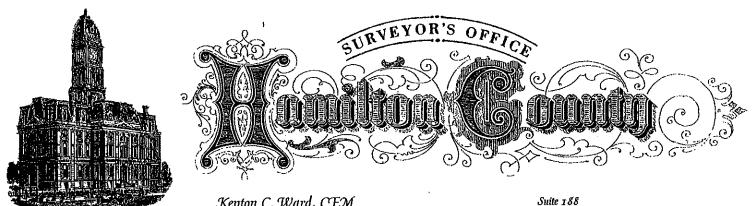
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on March 27, 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

July 14, 2017

Re: Vermillion Drain: The Enclave at Vermillion Sec. 1

Attached are as-built, certificate of completion & compliance, and other information for The Enclave at Vermillion 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 January 30, 2017. The report was approved by the Board at the hearing held March 27, 2017. (See Drainage Board Minutes Book 17, Pages 309-310) The changes are as follows: the 12" RCP was lengthened from 461 feet to 473 feet. The 15" RCP was shortened from 508 feet to 507 feet. The 18" RCP was lengthened from 155 feet to 156 feet. The 27" RCP was lengthened from 64 feet to 66 feet. The 30" RCP was shortened from 120 feet to 117 feet. The 6" SSD was shortened from 3,424 feet to 3,369 feet. The length of the drain due to the changes described above is now **5,054 feet**.

The non-enforcement was approved by the Board at its meeting on March 27, 2017 and recorded under instrument #2017013788.

The following sureties were guaranteed by Standard Financial Corporation and released by the Board on its July 10, 2017 meeting.

Bond-LC No: 1218ENC1 Amount: \$165,855.00 For: Storm Sewers & SSD Issue Date: June 6, 2016 I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely.

Kentøn C. Ward, Ø

Hamilton County Surveyor

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: ENCLAVE AT VERMILLION SECTION !

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: 1 17/2017
Type or Print Name: JOSEPH TRTAN
Business Address: 10505 N. COLLEGE AVENUE
INDIANAPOLIS, IN 46280
Telephone Number: 317 - 846 - 611

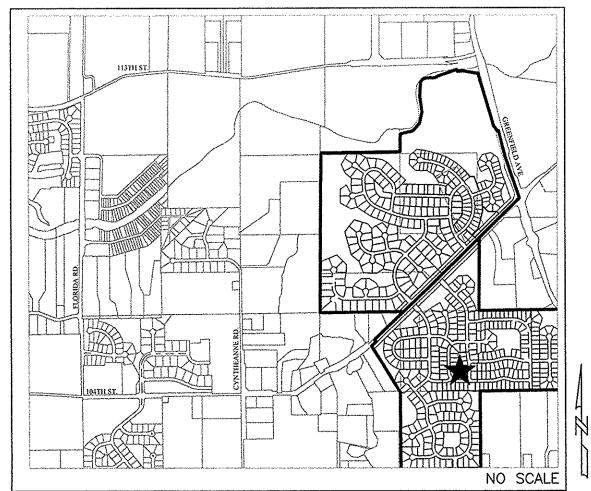


INDIANA REGISTRATION NUMBER

LS 2150003

FILE D
JAN 18 2017

OFFICE OF HYWIFTON COUNTY SURVEYOR



AREA LOCATION MAP

4) ALL QUANTITIES GIVEN ON THESE PRINTS ARE ESTIMATES AND SHALL BE CONFIRMED BY THE

5) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL

ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED T

11) 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.

12) 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/OR 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 OF COMPLYING WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS AND ORDINANCES.

13) ALL WATER MAIN, HYDRANTS, AND WATER VALVES SHALL BE INSPECTED AND SHALL COMPLY WITH BACKFILL, BEDDING, AND THRUST BLOCK REQUIREMENTS PER INDIANA AMERICAN WATER COMPANY DETAIL SHEETS.

14) THE DESIGN AND CONSTRUCTION SHALL COMPLY WITH ALL ADA REQUIREMENTS, SHALL BE PROWAG COMPLIANT AND MEET ALL CURRENT INDOT STANDARD SPECIFICATIONS.

15) 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.

714 E. Broadway St.

Fortville, IN 46040

317-485-4044

Attn: Joe Renner

Triad Associates

317-377-5230

317-776-8495

Comcast

Attn: Steve Cash

5330 E. 65th Street

Attn: Dick Mosier

Indianapolis, IN 46216

Hamilton County Surveyor

Noblesville, Indiana 46060

One Hamilton County Square, Suite 188

5835 Lawton Loop East Drive

OPERATING AUTHORITIES:

Fishers Department of Community Development One Municipal Drive Fishers, IN 46038 317-595-3120

Attn: Adam Zaklikowski

A&F Engineering, INC. 8365 Keystone Crossing, Suite 201 Indianapolis, IN 46240 317-202-0864 Attn: Steve Fehribach

SAMCO/ HSE Utilities 11901 Lakeside Drive Fishers, IN 46038 317-577-1150 Attn: Thomas Kallio

Ninestar Connect (Power) 2243 East Main Street Greenfield, IN 46140 317-323-2087 Attn: John Splatter

16000 Allisonville Road Noblesville, IN 46061 317-776-5532

Indianapolis, IN 46220 317-774-3384 Attn: Matt Stringer Ninestar Connect P.O. Box 108 Maxwell, IN 46154 317-323-2078

Embarq/ Century Link 50 North Jackson Street Franklin, IN 46131 317-736-4863

Attn: Dave Meyers

Hamilton County Highway Department 1700 S. 10th Street Noblesville, IN 46060 317-773-7770

Attn: David Lucas

POLE LOCATED ON THE SOUTH SIDE OF 101ST SECTION 8-T17N-R6E. E=271220 EL=863.33 (NAVD 88)

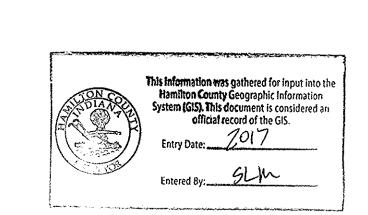
EL=858.88 (NAVD 88)

EL=864.60 (NAVD 88)

RECORD DRAWING CONSTRUCTION DRAWINGS

THE ENCLAVE AT VERMILLION SECTION ONE

FALL CREEK TOWNSHIP, FISHERS, IN 46040



PLANS PREPARED FOR

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

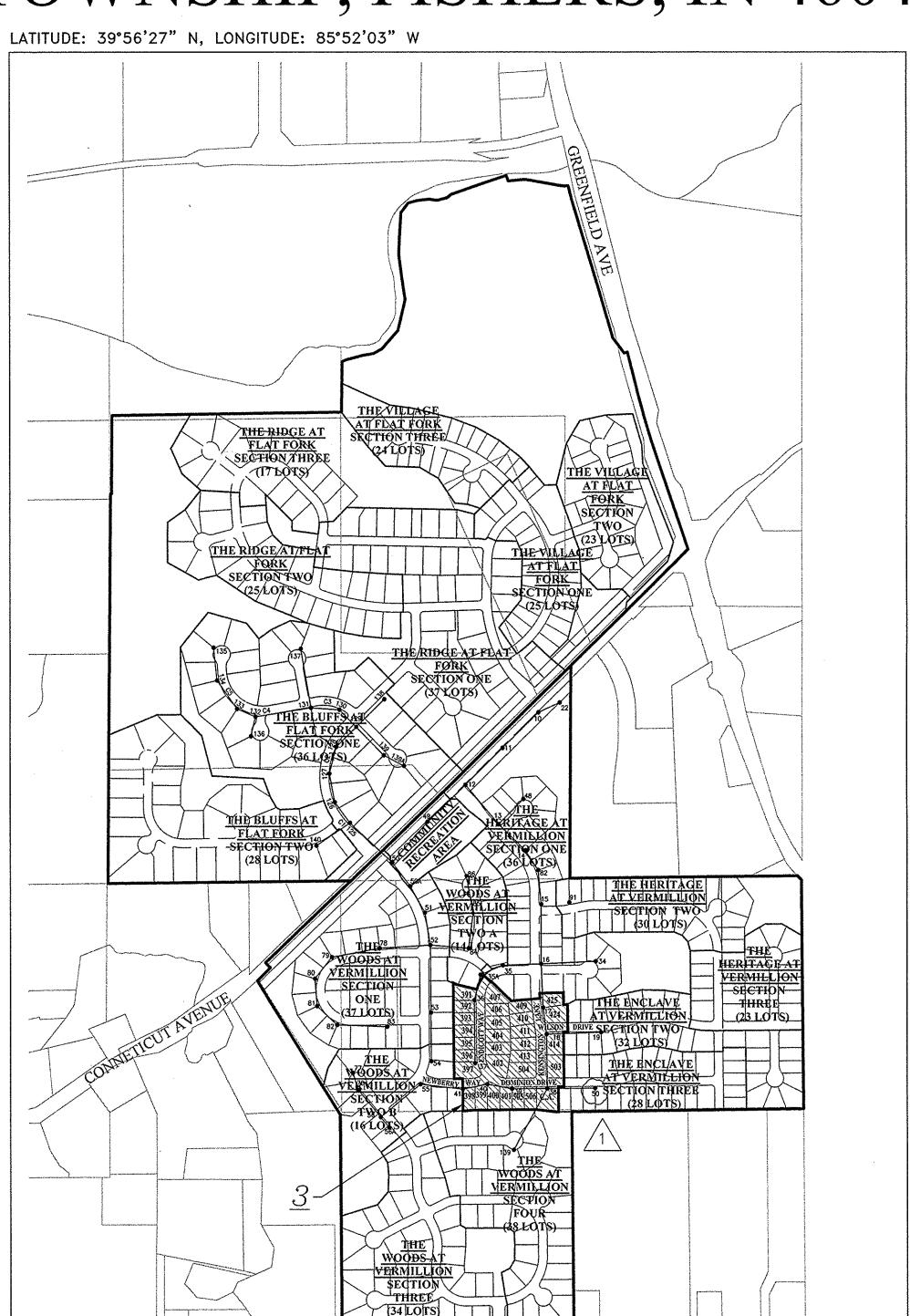
SOURCE BENCHMARK HSE DISC IN CONCRETE SET 5' SOUTH OF THE SOUTH BACK OF CURB ALONG 101ST ST., 1800'+/-

EAST OF CYNTHEANNE RD., 33' WEST OF THE FIRST DRIVE WEST OF THE BRIDGE OVER FLATFORK CREEK. E=269743.89 EL=855.00 (NAVD 88)

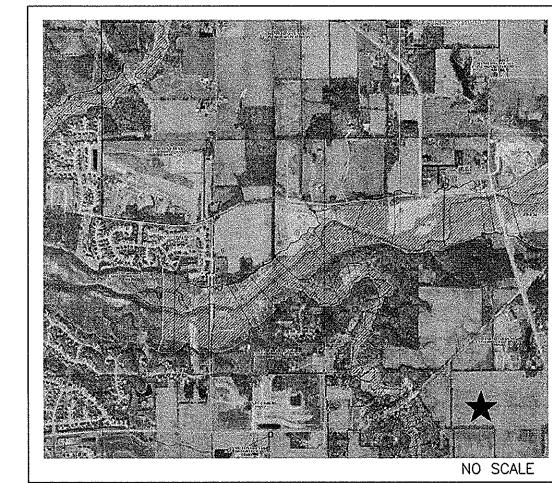
RAILROAD SPIKE SET IN THE SOUTHWEST SIDE OF A 20" TREE LOCATED ON THE SOUTHEAST SIDE OF CONNECTICUT AVENUE, APPROXIMATELY 1,104'+/-SOUTHWEST OF THE INTERSECTION OF CONNECTICUT AVENUE WITH GREENFIELD AVE.

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-T17N-R6E. N=1709400 E=273165

MAG NAIL SET IN THE NORTH SIDE OF A UTILITY STREET, APPROXIMATELY 1,097'+/- EAST OF THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF



SITE MAP



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

SHEET INDEX

SHEET NO.	DESCRIPTION
CO01	TITLE SHEET
	EXISTING CONDITIONS / DEMOLITION PLAN
	STORMWATER POLLUTION PREVENTION PLAN PHASE 1
	STORMWATER POLLUTION PREVENTION PLAN PHASE 2
C202-C203	STORMWATER POLLUTION PREVENTION DETAILS & SPECS.
C300	DEVELOPMENT PLAN
	- POND LIMITS/FLOOD ROUTE PLAN-
C400-C401	STREET PLAN & PROFILE
	INTERSECTION DETAILS
	TRAFFIC CONTROL/SIGNAGE/STREET LIGHT/SUMP PLAN
C404-C407	STREET DETAILS
C500-C502	SANITARY SEWER PLAN & PROFILE
C503-C504	SANITARY SEWER DETAILS & SPECIFICATIONS
C600-C601	STORM SEWER PLAN & PROFILE
C602-C603	STORM SEWER DETAILS
C700	WATER MAIN PLAN
C701-C703	WATER MAIN DETAILS/SPECIFICATIONS
-L100L101	LANDSCAPE PLANS - STREET TREES

SITE DATA

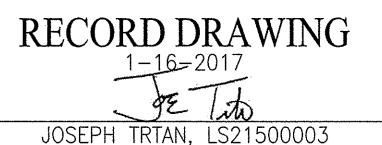
STREET LENGTHS: DOMINION DRIVE

438.81 L.F.± 563.03 L.F.± ENDICOTT WAY 478.36 L.F.± KENSINGTON LANE NEWBERRY WAY 161.72 L.F.± WILSON DRIVE TOTAL

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

SITE AREA:

9.520 AC.± LOTS



No. ★ LS21500003 → STATE OF

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



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.

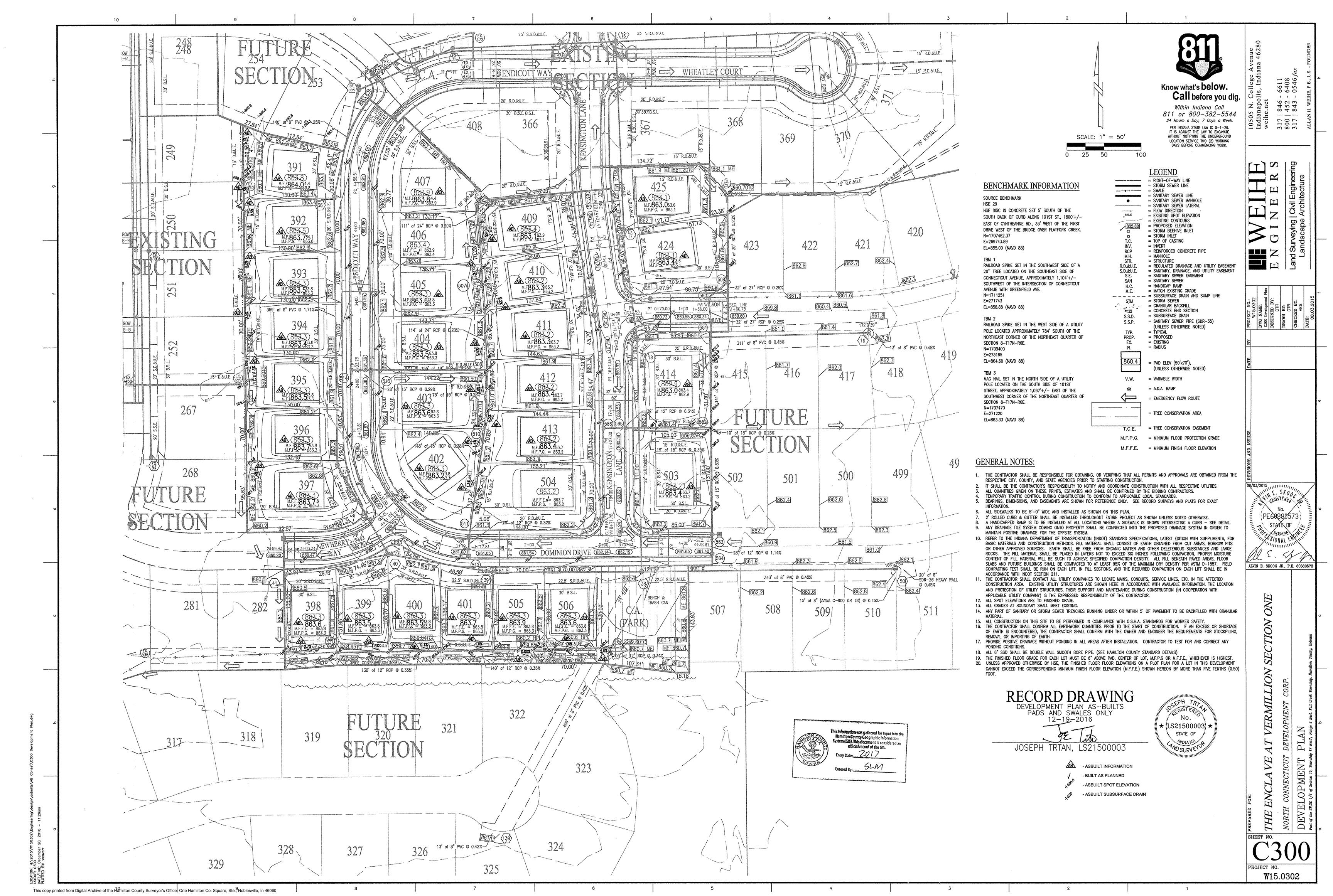
WINE SKOOG

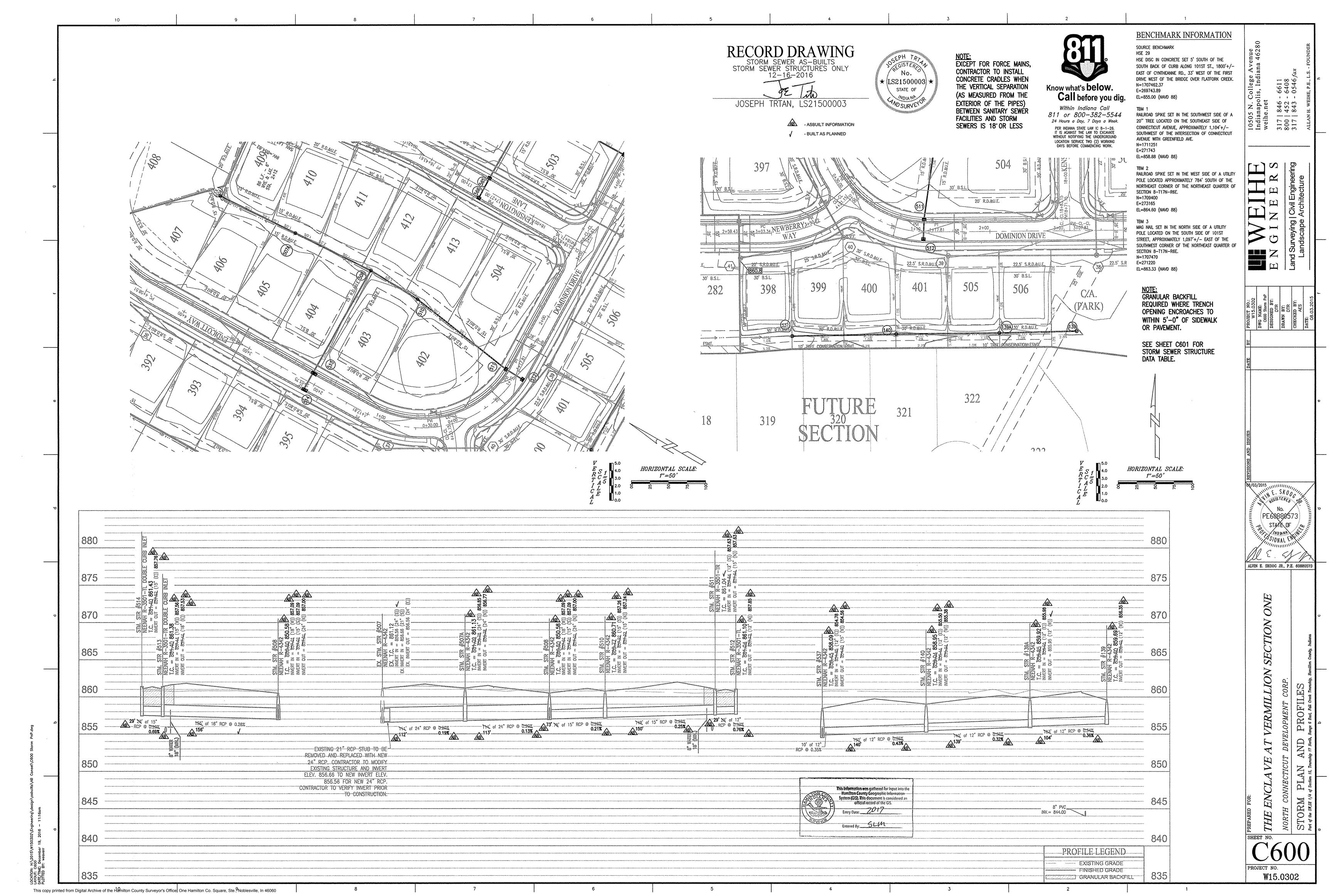
STONAL ENERS

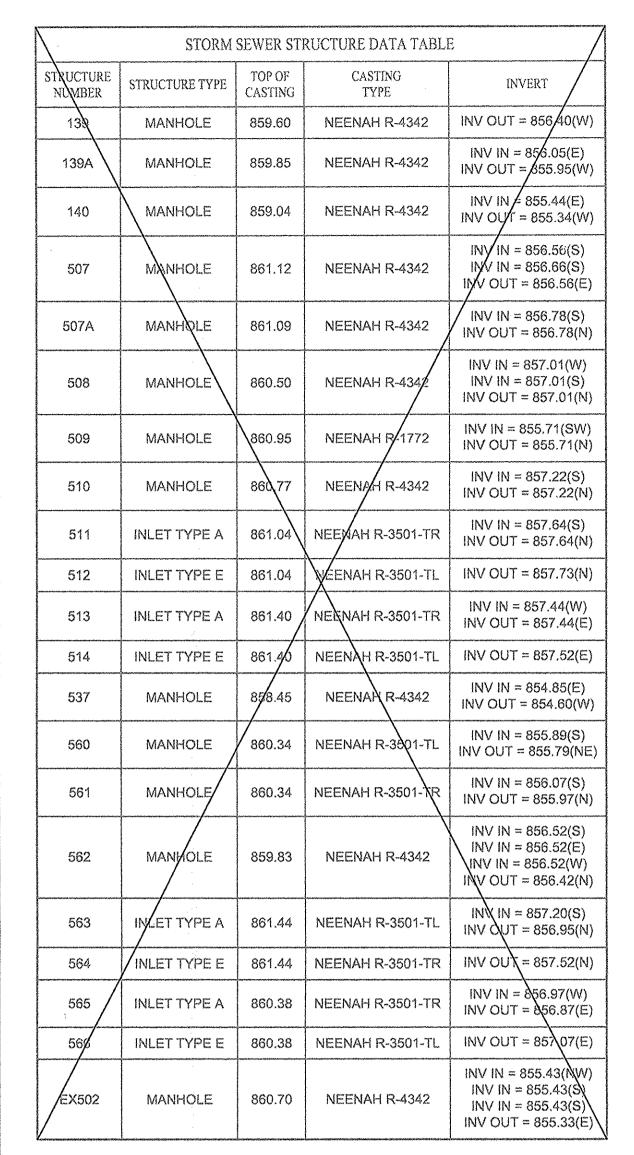
ALVIN E. SKOOG JR., P.E. 60880

W15.0302

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







	STORM SEW	ER PIPI	E DATA TAB	LE	
DOWNSTREAM STRACTURE	UPSTREAM STRUCTURE	SIZE	MATERIAL	LENGTH	SZOPE
138	562	18"	RCP	10'	0.26%
139	139A	12"	RCP	103	0.34%
139A	140	12"	RCP	140'	0.36%
140	178	12"	RCP	130'	0.35%
178	337	12"	RCP	10'	0.35%
507A	50	24"	RC/P	111'	0.20%
508	507A	24"	RCP	114'	0.20%
508	513	18"	RCP	155'	0.28%
509	EX502	30,7	RCP	120'	0.23%
510	508	15"	RCP	75'	0.28%
511	510	15"	RCP	148'	0.28%
512	511	12"	RKP	28'	0.32%
514	5/13	15"	RCP	28'	0.29%
560	509	27"	RCP	32'	0.25%
561	560	27"	RCP	32'	0.25%
562	561	24"	RCP	147'	0.25%
563/	564	12"	RCP	28'	1.14%
563	562	15"	RCP	142'	0.30%
565	562	15"	RCP	115'	0.30%
566	565	12"	RCP	32'	0.31%

★ [LS21500003] ★ STATE OF

NDIANA ON SURVEY

835



BENCHMARK INFORMATION

SOURCE BENCHMARK HSE 29

Know what's below.

Call before you dig.

Within Indiana Call

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.

HSE DISC IN CONCRETE SET 5' SOUTH OF THE SOUTH BACK OF CURB ALONG 101ST ST., 1800'+/-EAST OF CYNTHEANNE RD., 33' WEST OF THE FIRST DRIVE WEST OF THE BRIDGE OVER FLATFORK CREEK. N=1707462.37 E=269743.89 EL=855.00 (NAVD 88)

846 452 843

317 800 317

LININ E. SKOOG

PE60880573 STATE OF

STATE STATE

ALVIN E. SKOOG JR., P.E. 60880

PROFILES

STORM Part of the SW,SE 1/4

SHEET NO.

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)

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-T17N-R6E. N=1709400 E=273165

EL=864.60 (NAVD 88)

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-T17N-R6E. N=1707470 E=271220

OF SIDEWALK OR PAVEMENT.

NOTE: GRANULAR BACKFILL REQUIRED WHERE TRENCH OPENING ENCROACHES TO WITHIN 5'-0"

EL=863.33 (NAVD 88)

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

HORIZONTAL SCALE: 1"=50' AB AB AB STM. STR #562

NEENAH R-4342

T.C. = 855-83 860.01 | Structure | S EX. STM.

EX. T.C.

INVERT IN

INVERT IN

EX. INVERT ELSE P దద 860 742' of 15" RCP @ 0.33% 780' of 30" RCP @ 0.23% RCP © 0.25% 0.16% AB 34' 35' of 27" / RCP ◎ 0.25% 0.74% AR EXISTING 27" RCP STUB TO BE EX. 12" WATER MAIN TOP OF PIPE= 853.5±-REMOVED AND REPLACED WITH NEW 30" RCP. CONTRACTOR TO USE THE EXISTING INVERT ELEV. 855,43 FOR NEW 30" RCP. CONTRACTOR TO VERIFY INVERT PRIOR TO CONSTRUCTION. ___8" PVC ____NV.= 842.54 This information was gathered for input into the Hamilton County Geographic Information System (GIS): This document is considered as

official record of the C'S

Entry Date 2017

Entered By: SLM

RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
12-16-2016

JOSEPH TRTAN, LS21500003

AB - ASBUILT INFORMATION √ - BUILT AS PLANNED

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835 W15.0302

PROFILE LEGEND

EXISTING GRADE -- FINISHED GRADE

GRANULAR BACKFILL

