



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

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

August 16, 2022

To: Hamilton County Drainage Board

Re: Vermillion Drain, The Enclave at Vermillion, Section 6 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. 6 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. W170032-6, the drain will consist of the following:

12" RCP	591 ft.
15" RCP	147 ft.
6" SSD	1,545 ft.

The total length of the drain will be 2,283 feet.

The new drain involves the following structures: Ex 819, 164, 160, 159, 158, Ex. 154, 145, 144, and 143.

Existing Pond 17 length is listed in the report for the Enclave at Vermillion, Sec. 4. See Sec. 4 report for more information.

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 sub-surface drains within the street right-of-way are being included due to the streets within the subdivision being under the jurisdiction of the Hamilton County Highway. As such there will not be street trees within the right-of-way but will be behind the sidewalk on the individual lots per Hamilton County Highway Department requirements. This complies with the Hamilton County Drainage Board's discussion of July 19, 2018 regarding street trees. (See Hamilton County Drainage Board Minutes Book 18, pages 204 to 206).

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 6 will be \$1,949.20.

The detention pond (pond #17) is to be considered part of the regulated drain. This is consistent with the ponds in other Vermillion sections. The maintenance of the pond shall include the inlets and outlet as part of the regulated drain. The maintenance of the pond 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.

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: July 26, 2021
Number: 1438ENC6
For: Storm Sewers
Amount: \$97,748.10
HCDB-2021-00025

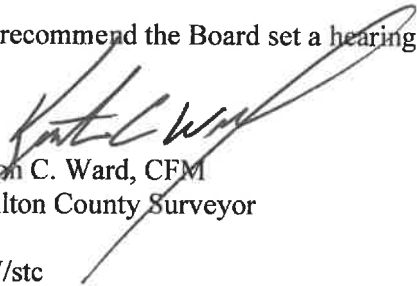
Agent: Standard Financial Corporation
Date: July 26, 2021
Number: 1439ENC6
For: Erosion Control
Amount: \$37,484.04
HCDB-2021-00026

Agent: Standard Financial Corporation
Date: July 26, 2021
Number: 1440ENC6
For: Monumentation
Amount: \$3,468.00
HCDB-2021-00027

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. 6 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for September 26, 2022.



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/stc

(Revised 06/08/04)

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

FILED

JAN 22 2021

OFFICE OF HAMILTON COUNTY SURVEYOR

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

In the matter of Enclave @ Vermillion Subdivision, Section
Six 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 Enclave at Vermillion, Section Six, 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 CD, INC

Douglas B. Wagner
Signed

Signed

Douglas B. Wagner, Sr. V.P.
Printed Name

Printed Name

JAN. 15, 2021
Date

Date

Signed

Signed

Printed Name

Printed Name

Date

Date

FINDINGS AND ORDER

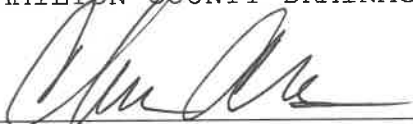
CONCERNING THE MAINTENANCE OF THE

Vermillion Drain, The Enclave at Vermillion Section 6 Arm

On this **26th day of September, 2022**, 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 6 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.

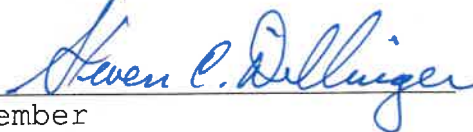
HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

Attest:


Executive Secretary



ENGINEER'S ESTIMATE OF PROBABLE COST

Project: Enclave At Vermillion Sec 6
W170032-6

Date: 4/23/2021
Updated: 7/6/2021

STORM SEWERS

		Quantity	Unit Price	Gross Price		
Structures	Small Beehive Inlet	2	\$ 2,315.00	\$ 4,630.00		
	Large Curb Inlet	5	\$ 3,600.00	\$ 18,000.00		
	12" End Section	1	\$ 1,950.00	\$ 1,950.00		
	6" Subsurface Drain - Streets	1637	\$ 11.75	\$ 19,234.75		
	Lot Leads	28	\$ 172.00	\$ 4,816.00		
	Granular Backfill	150	\$ 21.00	\$ 3,150.00		
	Stone Bedding	197	\$ 26.00	\$ 5,122.00		
	Riprap	10	\$ 57.00	\$ 570.00		
	Qty	Measurement	Size	Material	Unit Price	Gross Price
Pipe	592	Linear feet of	12"	RCP	\$ 32.00	\$ 18,944.00
	144	Linear feet of	15"	RCP	\$ 35.00	\$ 5,040.00
STORM SEWER TOTAL:						\$ 81,456.75

x 1.20
97,748.10

EROSION CONTROL

		Quantity	Unit Price	Gross Price
Seeding	Curb Inlet Basket	11	\$ 206.00	\$ 2,266.00
	Beehive Protection	26	\$ 113.00	\$ 2,938.00
	Silt Fence	8,730	\$ 1.36	\$ 11,872.80
	Seed & Straw behind Curb	7,645	\$ 0.34	\$ 2,599.30
	EC Blanket w/ Perm Seed - Swales	4,655	\$ 1.10	\$ 5,120.50
	Permanent Seeding	4,655	\$ 0.42	\$ 1,955.10
	Temporary Seed w/ Mulch	4	\$ 1,150.00	\$ 4,485.00
	Concrete Washout	1	\$ 500.00	\$ 500.00
	EROSION CONTROL TOTAL			

x 1.20
37,484.04

MONUMENTATION

		Quantity	Unit Price	Gross Price
Misc.	Rebar Street Control	6	\$ 50.00	\$ 300.00
	4x4 Concrete Monuments	0	\$ 75.00	-
	Property Corners	74	\$ 35.00	\$ 2,590.00
MONUMENTATION TOTAL				\$ 2,890.00

x 1.20
3,468.00

SUMMARY

	Total	Performance Guarantee	Maintenance Guarantee
	A	B = A X 120%	C = A X 20%
Storm Sewers	\$ 81,456.75	\$ 97,748.10	\$ 16,291.35
Erosion Control	\$ 31,236.70	\$ 37,484.04	\$ 6,247.34
Monumentation	\$ 2,890.00	\$ 3,468.00	\$ 578.00
	\$ 115,583.45	\$ 138,700.14	\$ 23,116.69

Bond Estimate Prepared by:

Signature: Jim Pence

Printed Name: Jim Pence
Title: Project Manager
Date: 4/23/2021
Updated 7/6/2021



FILE COPY

July 26, 2021

Irrevocable Letter of Credit No.: 1438ENC6

**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 CD, Inc.
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 **Ninety-Seven Thousand Seven Hundred Forty-Eight and 10/100 Dollars (\$97,748.10)** by your draft(s) at sight.

The purpose of this Letter of Credit is for the performance of the installation of storm sewers in The Enclave at Vermillion, Section 6.

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 CD, Inc. 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. 1438ENC6".

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 July 26, 2021 and shall expire on July 26, 2022, but such expiration date shall be automatically extended for a period of one year on July 26, 2022, 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 CD, Inc. 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,

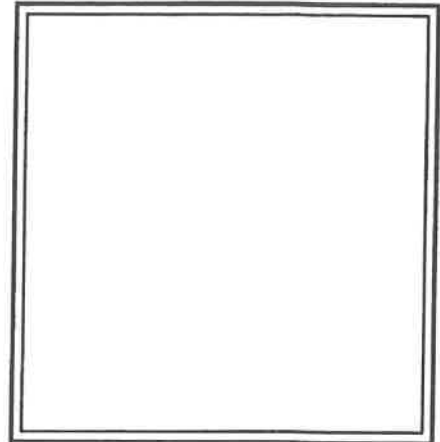
STANDARD FINANCIAL CORPORATION

A handwritten signature in blue ink, 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.

13578 E. 131st Street, Suite 200 • Fishers, Indiana 46037
Phone: 317-773-8353 • www.standardfincorp.com



FILE COPY

July 26, 2021

Irrevocable Letter of Credit No.: 1439ENC6

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 CD, Inc.
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 **Thirty-Seven Thousand Four Hundred Eighty-Four and 04/100 Dollars (\$37,484.04)** 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 Enclave at Vermillion, Section 6.

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 CD, Inc. 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. 1439ENC6".

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."

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Phone: 317-773-8353 • www.standardfincorp.com



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,

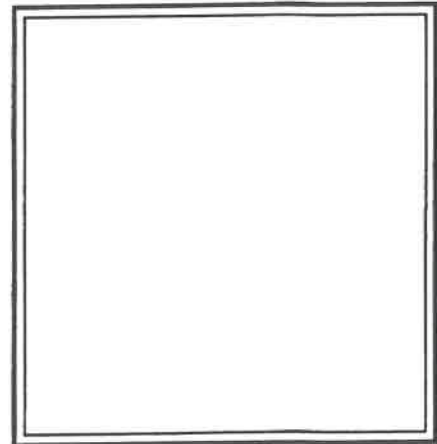
STANDARD FINANCIAL CORPORATION

A handwritten signature in blue ink, 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.



FILE COPY

July 26, 2021

Irrevocable Letter of Credit No.: 1440ENC6

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 CD, Inc.
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 **Three Thousand Four Hundred Sixty-Eight and 00/100 Dollars (\$3,468.00)** by your draft(s) at sight.

The purpose of this Letter of Credit is for the performance of the installation of monumentation in The Enclave at Vermillion, Section 6.

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 CD, Inc. 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. 1440ENC6".

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 July 26, 2021 and shall expire on July 26, 2022, but such expiration date shall be automatically extended for a period of one year on July 26, 2022, 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 CD, Inc. 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

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Phone: 317-773-8353 • www.standardfincorp.com



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,

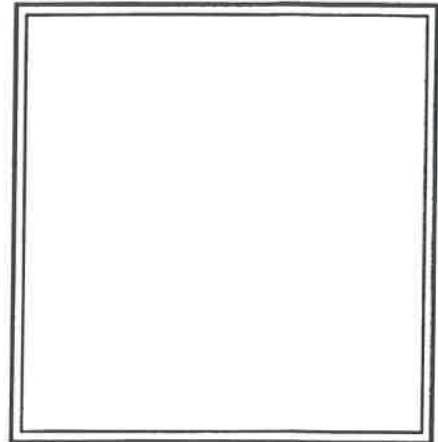
STANDARD FINANCIAL CORPORATION

A handwritten signature in blue ink, 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.

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Vermillion Drain
The Enclave at Vermillion Section 6 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 Enclave at Vermillion Section 6 Arm** on **September 26, 2022** 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 6 Arm**

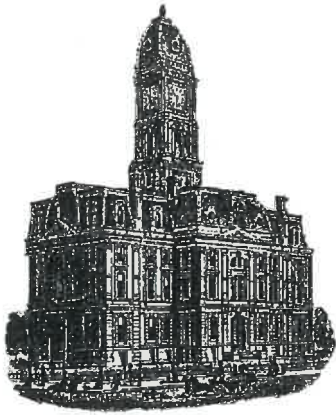
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **September 26, 2022** 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

October 11, 2022

Re: Vermillion Drain: Enclave at Vermillion Section 6

Attached are as-built, certificate of completion & compliance, and other information for the Enclave at Vermillion Section 6. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated August 16, 2022. The report was approved by the Board at the hearing held September 26, 2022. The changes are as follows: the 12" RCP was shortened from 591 feet to 589 feet. The 15" RCP was shortened from 147 feet to 146 feet. The 6" SSD was shortened from 1,545 feet to 1,449 feet. The length of the drain due to the changes described above is now **2184 feet**. It should be noted that the pipe between structures 166 to 165 is regulated drain. It was originally listed in the initial report footage but omitted the structures listings.

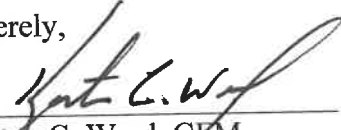
The non-enforcement was approved by the Board at its meeting on September 26, 2022, and recorded under instrument #2022047362.

The following sureties were guaranteed by Standard Financial Corporation and released by the Board on its July 26, 2021, meeting.

Bond-LC No: 1438ENC6
Amount: \$97,748.10
For: Storm Sewers & SSD
Issue Date: July 26, 2021

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

Sincerely,

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

Kenton C. Ward, CFM
Hamilton County Surveyor


CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Enclave at Vermillion Section 6 As-builts

I hereby certify that:

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

Signature:  Date: 2/14/2022

Type or Print Name: Andrew D. Baxter Jr.

Business Address: 10505 North College Ave.

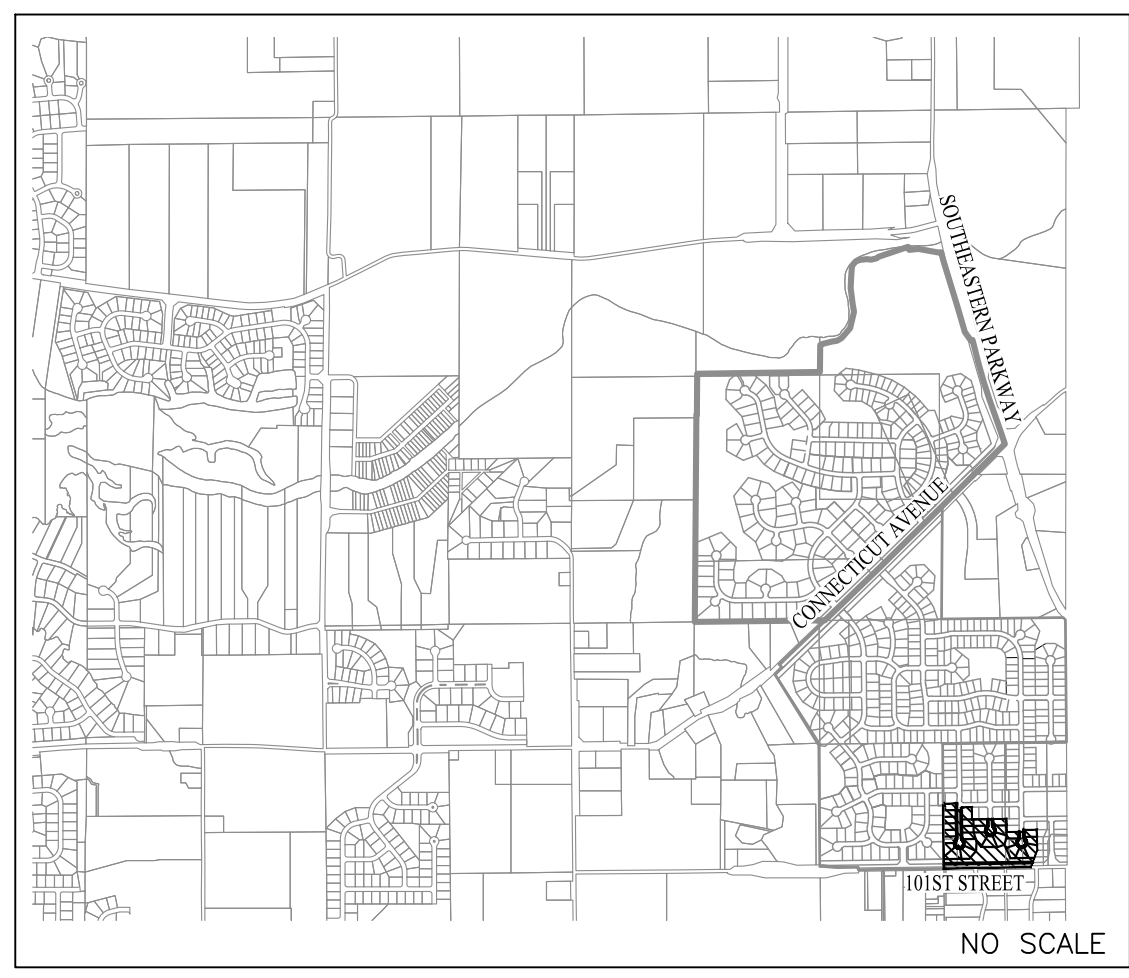
Indianapolis, IN 46280

Telephone Number: 317-846-6611



INDIANA REGISTRATION NUMBER

20400029



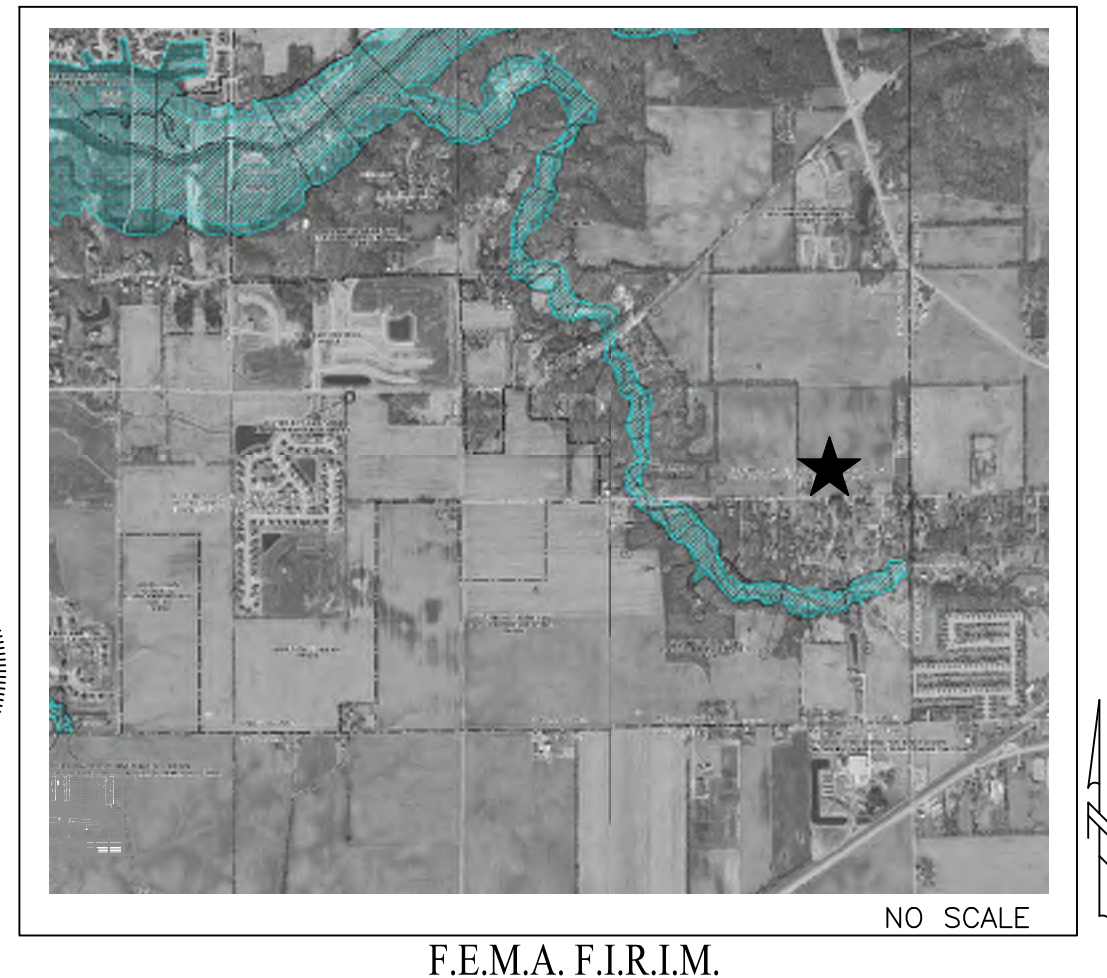
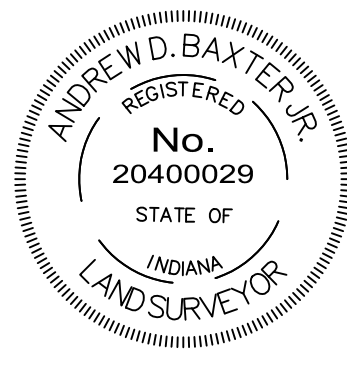
AREA LOCATION MAP

RECORD DRAWINGS

THE ENCLAVE AT VERMILLION

SECTION SIX

RECORD DRAWING
2/11/2022
ANDREW D. BAXTER JR., L.S. 20400029



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

FALL CREEK TOWNSHIP, FORTVILLE, IN 46040

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 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) TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
- 7) THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT.
- 8) ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.
- 9) 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 #1805700259G AND 1805700278G, NOVEMBER 19, 2014.
- 10) BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
- 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 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 TOWN OF FORTVILLE UTILITY STREET STANDARDS.
- 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.

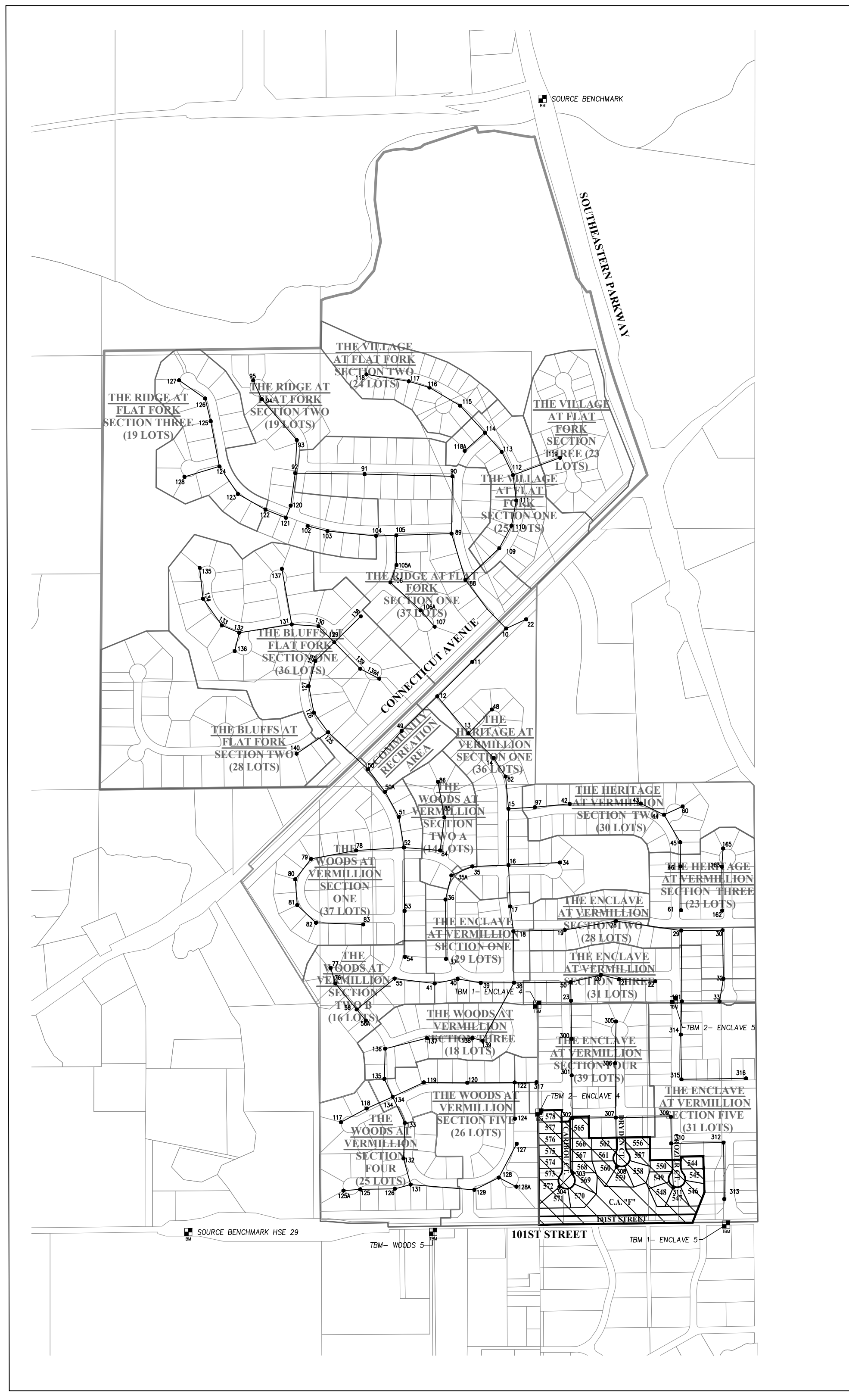
BENCHMARK INFORMATION

- SOURCE BENCHMARK**
HCBR 285 - HAMILTON COUNTY GEODETIC CONTROL DISK SET IN NORTH END OF EAST CONCRETE HANDRAIL ON THE ATLANTA AVENUE (SOUTHEASTERN PARKWAY OR SR 238) BRIDGE OVER FALL CREEK.
EL=809.14 (NAVD 88)
- HSE 29**
HSE DISC IN CONCRETE IS 5' SOUTH OF THE SOUTH BACK OF CURB ALONG 101ST. 1800'+- EAST OF CYNTHIANE 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)
- TBM 1 - ENCLAVE 4**
TOP 1/4-INCH STEEL PIN MARKING THE NORTHWEST CORNER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 17 NORTH, RANGE 6 EAST. ONE QUARTER MILE NORTH OF THE CENTER OF 101ST STREET AND ONE QUARTER MILE WEST OF THE HAMILTON COUNTY-HANCOCK COUNTY LINE.
EL= 861.77 (NAVD 88)
- TBM 2 - ENCLAVE 4**
BENCH TIE SET IN EAST SIDE OF 6"X6" CORNER POST, 6.4 FEET NORTH AND 11.3 FEET WEST OF THE SOUTHEAST CORNER OF LOT #217 ENCLAVE AT VERMILLION, SECTION 4.
ELEV.= 865.50 NAVD 88
- TBM - WOODS 5**
A BENCH SPIKE ON THE NORTH SIDE OF A UTILITY POLE ON THE SOUTH SIDE OF 101ST STREET, APPROXIMATELY 134' +/- SOUTH AND 61' +/- WEST OF THE SOUTHWEST CORNER OF LOT 307 IN THE WOODS AT VERMILLION - SECTION FOUR
N=1708404.38
E=270984.89
EL=864.02(NAVD 88)
- TBM 1 - ENCLAVE 5**
"MAG" NAIL SET ON NORTH SIDE POWER POLE 15 FEET SOUTH OF THE CENTER OF 101ST STREET AND 26 FEET WEST OF THE CENTER OF SHULL FARM DRIVE.
ELEV.= 865.55 NAVD 88
- TBM 2 - ENCLAVE 5**
"MAG" NAIL SET IN TOP OF CURB, 14 FEET WEST OF THE CENTER OF HAMBURG DRIVE AND 15.7 FEET NORTH OF THE NORTH LINE OF LOT 618.
ELEV.= 862.50 NAVD 88

NOTE:
THE ABOVE BENCHMARKS ARE LABELED AND MARKED ON THE SITE MAP (RIGHT).

OPERATING AUTHORITIES:

FISHERS DEPARTMENT OF COMMUNITY DEVELOPMENT ONE MUNICIPAL DRIVE FISHERS, IN 46038 317-595-3126 ATTN: MEGAN SCHAEFER	FORTVILLE WATER 714 E. BROADWAY ST. FORTVILLE, IN 46040 317-485-4044 ATTN: JOE RENNER	HAMILTON COUNTY HIGHWAY DEPARTMENT 1700 S. 10TH STREET NOBLESVILLE, IN 46060 317-773-7770 ATTN: DAVID LUCAS
SAMCO/ HSE UTILITIES 11901 LAKESIDE DRIVE FISHERS, IN 46038 317-577-1150 ATTN: THOMAS KALLIO	NINESTAR CONNECT (TELEPHONE) P.O. BOX 108 MAXWELL, IN 46154 317-323-2078 ATTN: GEORGE PLUSINKI	TRIAD ASSOCIATES (CONSULTANT TO THE TOWN OF FORTVILLE) 5835 LAWTON LOOP EAST DRIVE INDIANAPOLIS, IN 46216 317-377-5230 ATTN: DICK MOSIER
NINESTAR CONNECT (POWER) 2243 EAST MAIN STREET GREENFIELD, IN 46140 317-323-2087 ATTN: JOHN SPLATTER	EMBARQ/ CENTURY LINK 50 NORTH JACKSON STREET FRANKLIN, IN 46131 317-736-4863 ATTN: DAVID MEYERS	HAMILTON COUNTY SURVEYOR ONE HAMILTON COUNTY SQUARE, SUITE 188 NOBLESVILLE, INDIANA 46060 317-776-8495 ATTN: STEVE CASH
VECTREN 16000 ALLISONVILLE ROAD NOBLESVILLE, IN 46061 317-776-8532 ATTN: JOANIE CLARK	COMCAST 5330 E. 65TH STREET INDIANAPOLIS, IN 46220 317-774-3384 ATTN: MATT STRINGER	



SHEET INDEX

SHEET NO.	DESCRIPTION
C001	TITLE SHEET
C100	EXISTING CONDITIONS / DEMOLITION PLAN
C200	STORMWATER POLLUTION PREVENTION PLAN PHASE 1
C202	STORMWATER POLLUTION PREVENTION PLAN PHASE 2
C203-C204	STORMWATER POLLUTION PREVENTION DETAILS & SPECS.
C300	DEVELOPMENT PLAN
C301	EMERGENCY FLOOD ROUTING PLAN
C400	STREET PLAN & PROFILE
C401	INTERSECTION/ENTRANCE DETAILS
C402-C405	STREET DETAILS & SPECIFICATIONS
C406	TRAFFIC CONTROL/SIGNAGE/STREET LIGHT/SUMP PLAN
C500-C501	SANITARY SEWER PLAN & PROFILE
C502-C507	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
L100	LANDSCAPE PLAN
L101-L102	LANDSCAPE NOTES AND DETAILS

LEGAL DESCRIPTION

PART OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 17 NORTH, RANGE 6 EAST OF THE SECOND PRINCIPAL MERIDIAN, HAMILTON COUNTY, INDIANA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE SOUTHEAST QUARTER OF SAID NORTHEAST QUARTER, SAID POINT BEING ON THE NORTHWEST CORNER OF THE ENCLAVE AT VERMILLION, SECTION 4, THE PLAT OF WHICH IS RECORDED IN PLAT CABINET 6, SLIDE 14, AS INSTRUMENT NO. 2020079189 IN THE OFFICE OF THE RECORDER OF HAMILTON COUNTY, INDIANA, THENCE SOUTH 00 DEGREES 27 MINUTES 41 SECONDS EAST 659.38 FEET ALONG THE WEST LINE OF SAID SOUTH HALF QUARTER SECTION TO THE POINT OF BEGINNING, SAID POINT BEING ON THE SOUTH LINE OF SAID SUBDIVISION, THE NEXT TEN (10) COURSES ARE ALONG THE SOUTHERLY LINE OF SAID SUBDIVISION, THENCE (1) NORTH 89 DEGREES 51 MINUTES 41 SECONDS EAST 18.29 FEET; THENCE (2) NORTH 00 DEGREES 29 MINUTES 47 SECONDS WEST 19.41 FEET; THENCE (3) NORTH 89 DEGREES 11 MINUTES 28 SECONDS EAST 126.55 FEET; THENCE (4) SOUTH 03 DEGREES 48 MINUTES 47 SECONDS WEST 39.81 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE EASTERLY HAVING A RADIUS OF 175.00 FEET, THE RADIUS POINT OF SAID CURVE BEARS SOUTH 89 DEGREES 19 MINUTES 13 SECONDS EAST FROM SAID POINT, THENCE (5) SOUTHERLY ALONG SAID CURVE 14.01 FEET TO THE POINT OF TANGENCY WHICH BEARS SOUTH 89 DEGREES 11 MINUTES 28 SECONDS WEST FROM THE RADIUS POINT; THENCE (6) SOUTH 00 DEGREES 48 MINUTES 22.30 FEET; THENCE (7) NORTH 89 DEGREES 11 MINUTES 28 SECONDS EAST 50.00 FEET; THENCE NORTH 00 DEGREES 48 MINUTES 32 SECONDS WEST 9.00 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF 20.00 FEET, THENCE (8) SOUTHERLY ALONG SAID CURVE 31.42 FEET TO THE POINT OF TANGENCY WHICH BEARS SOUTH 00 DEGREES 48 MINUTES 32 SECONDS WEST FROM THE RADIUS POINT; THENCE (9) NORTH 89 DEGREES 11 MINUTES 28 SECONDS EAST 94.12 FEET; THENCE SOUTH 00 DEGREES 48 MINUTES 32 SECONDS EAST 130.00 FEET; THENCE (10) NORTH 89 DEGREES 11 MINUTES 28 SECONDS EAST 367.37 FEET TO A POINT ON THE WEST LINE OF THE ENCLAVE AT VERMILLION, SECTION 5, THE PLAT OF WHICH IS RECORDED IN PLAT CABINET 6, SLIDE 14, AS INSTRUMENT NO. 2020079189 IN THE OFFICE OF THE RECORDER OF HAMILTON COUNTY, INDIANA, THE NEXT EIGHT (8) COURSES ARE ALONG THE WESTERLY AND SOUTHERLY LINE OF SAID SUBDIVISION, THENCE (1) SOUTH 00 DEGREES 48 MINUTES 32 SECONDS WEST 19.94 FEET; THENCE (2) NORTH 89 DEGREES 11 MINUTES 28 SECONDS EAST 135.37 FEET; THENCE (3) NORTH 00 DEGREES 48 MINUTES 32 SECONDS WEST 19.94 FEET; THENCE (4) NORTH 89 DEGREES 11 MINUTES 28 SECONDS EAST 136.88 FEET; THENCE (5) SOUTH 00 DEGREES 48 MINUTES 32 SECONDS EAST 75.00 FEET; THENCE (6) NORTH 89 DEGREES 11 MINUTES 28 SECONDS EAST 3.00 FEET; THENCE (7) SOUTH 00 DEGREES 48 MINUTES 32 SECONDS EAST 145.00 FEET; THENCE (8) SOUTH 21 DEGREES 35 MINUTES 47 SECONDS WEST 194.70 FEET TO THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SAID NORTHEAST QUARTER SECTION, THENCE SOUTH 89 DEGREES 11 MINUTES 28 SECONDS WEST ALONG SAID SOUTH LINE 928.07 FEET TO THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF SAID NORTHEAST QUARTER SECTION; THENCE NORTH 00 DEGREES 27 MINUTES 41 SECONDS WEST ALONG THE WEST LINE THEREOF 671.88 FEET TO THE POINT OF BEGINNING, CONTAINING 11.81 ACRES, MORE OR LESS.

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
dwagner@republicdev.com

STREET DATA

STREET LENGTHS:	
CROZIER COURT	115.06 L.F.±
DRYDEN COURT	125.06 L.F.±
CARIBOU COURT	356.06 L.F.±
TOTAL	596.18 L.F.±

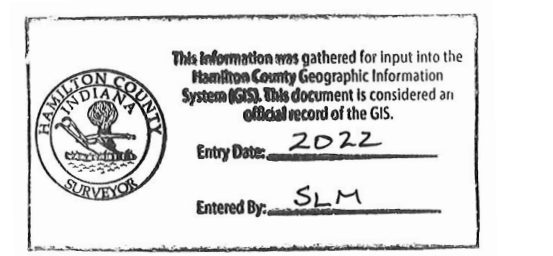
NOTE: DESIGN SPEED FOR ALL INTERIOR ROADS SHALL BE 25 MPH.

SITE AREA:

SITE LOTS	11.81 AC.±
	28

PLANS PREPARED BY

WEIHE ENGINEERS, INC.
10505 N. COLLEGE AVE.
INDIANAPOLIS, IN 46280
(317) 846-6611
CONTACT PERSON: JIM PENCE
pence@weihe.net



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

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weihe.net
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800 | 452 - 6408
317 | 843 - 0546 fax

WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture

PROJECT NO.:	W170032-6
DWG. NAME:	AS CON. THE SHEET
DESIGNED BY:	JP
DRAWN BY:	JP
CHECKED BY:	JP
DATE:	02/01/2022

REVISIONS AND ISSUES

DATE	BY	REVISION
03/03/2022	SJS	REVISED PER AGENCY AND TAC COMMENTS
04/07/2022	JP	REVISED PER HSE COMMENTS
06/08/2022	JP	REVISED PER HSE COMMENTS
12/16/2021	JP	AS-BUILTS

DIANE A. SHARRER, P.E. 890256

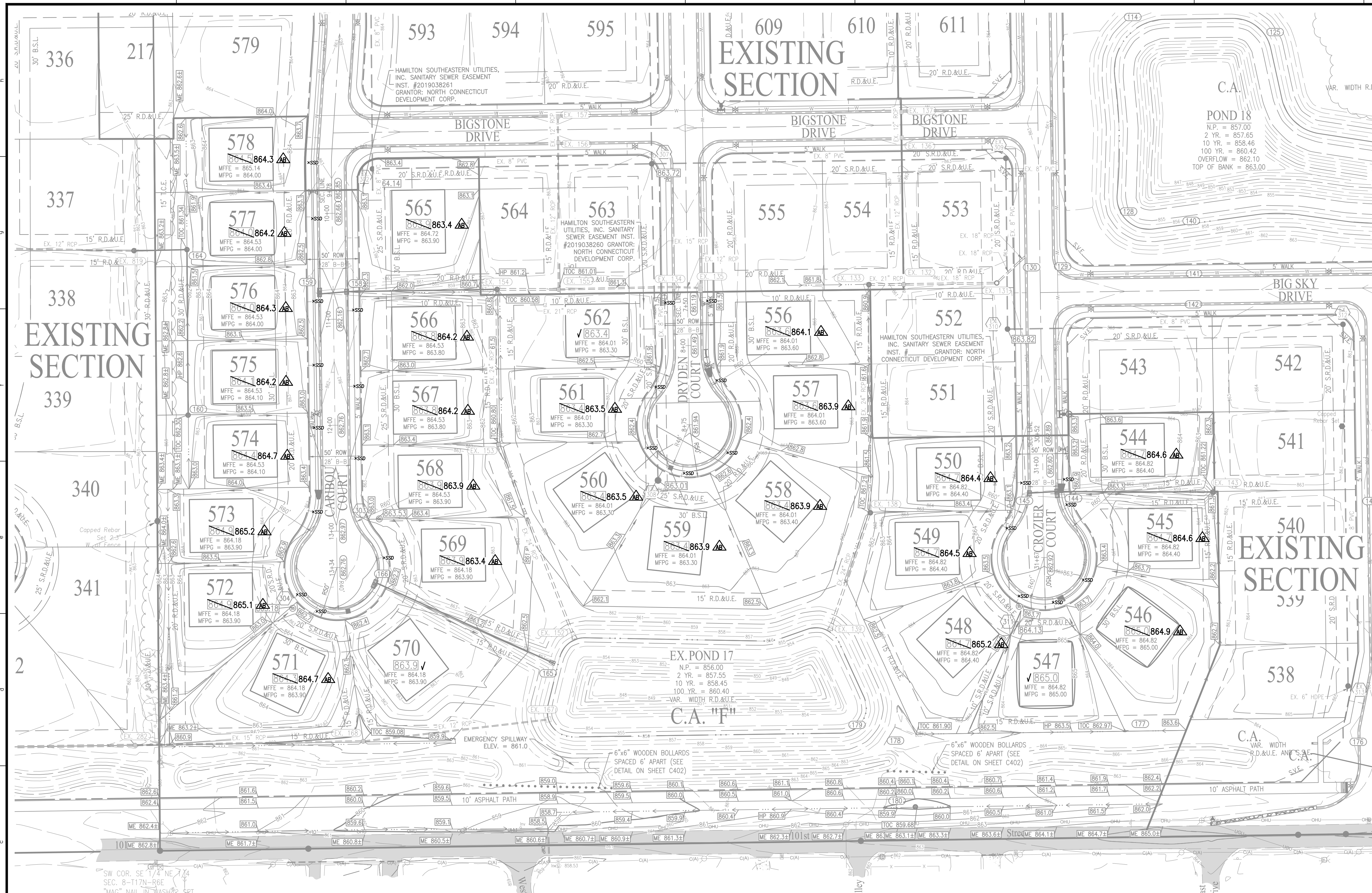
PREPARED FOR:
THE ENCLAVE AT VERMILLION
SECTION SIX
NORTH CONNECTICUT DEVELOPMENT CORP.

TITLE SHEET

SHEET NO.
C001

PROJECT NO.
W170032-6

LOCATION: W:\2017\W170032\Section 6\Engineering\Setup\Submittal\AS_Constr_V6_C001 Title Sheet.dwg
DATE/TIME: February 12, 2022 - 8:13am
PLOTTED BY: Jmmj

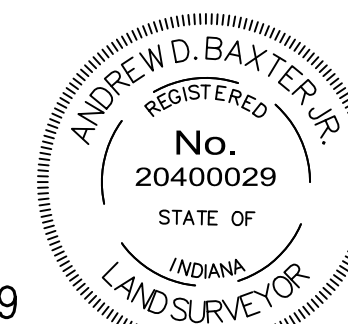


LEGEND

- FO FIBER OPTIC
- SAN SANITARY SEWER, MANHOLE
- SM STORM SEWER, HEADWALL
- CI CURB INLET, MANHOLE
- RI ROUND INLET, SQUARE INLET
- GV GAS, VALVE
- WF WATER, FIRE HYDRANT, WELL, METER, VALVE
- UE UNDERGROUND ELECTRIC
- PT PEDESTAL, TRANSFORMER
- OHU OVERHEAD UTILITY, GUY WIRE, POLE, PEDESTAL
- BF BOARD FENCE
- FF FARM FENCE
- FL FLOW LINE
- IL INDEX CONTOUR
- IC INTERMEDIATE CONTOUR
- TL TREE LINE
- GE GROUND ELEVATION
- CB CONIFEROUS BUSH
- DC DECIDUOUS BUSH
- DT DECIDUOUS TREE
- PS POST
- MB MAIL BOX
- BL BOLLARD
- TM TEMPORARY BENCH MARK
- TC TOP OF CASTING
- INV INVERT
- RCP REINFORCED CONC. PIPE
- CMC CORRUGATED METAL PIPE
- PVC POLY VINYL CHLORIDE
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- M.H. MANHOLE
- STR. STRUCTURE
- H.W. HEADWALL
- EX. EXISTING
- ROW RIGHT-OF-WAY
- B-B BACK OF CURB
- APPROX. APPROXIMATE
- ELEV. ELEVATION
- CONC. CONCRETE
- LP LOW POINT
- HP HIGH POINT
- ME MATCH EXISTING
- TP TYPICAL
- LAT. LATERAL
- BSL BUILDING SETBACK LINE
- SSD SUB-SURFACE DRAIN
- AC ACRE
- SF SQUARE FEET
- R. RADIUS
- VAR. VARIABLE WIDTH
- RDE REGULATED DRAINAGE EASEMENT
- MFFE MINIMUM FINISH FLOOR ELEVATION
- MFCP MINIMUM FLOOD PROTECTION GRADE
- SSD SANITARY STR. LABEL
- SSD STORM STR. LABEL
- FD FLOW DIRECTION
- ROW RIGHT-OF-WAY
- ADA ADA RAMP
- SSD STORM SEWER, CONC. END SECTION, CURB INLET, YARD
- INLET, MANHOLE
- SW SWALE
- SSD 6" SSD (UNLESS DENOTED OTHERWISE)
- SAN SANITARY SEWER, MANHOLE, LATERAL
- AERATOR

- AS-BUILT INFORMATION
 - BUILT AS PLANNED
 - AS-BUILT SPOT ELEVATION
 - AS-BUILT SUBSURFACE DRAIN
 DATE OF LAST FIELDWORK: 12/20/2021

RECORD DRAWING
 DEVELOPMENT PLAN AS-BUILTS
 PADS AND SWALES ONLY
 2/11/2022
 ANDREW D. BAXTER JR., L.S. 20400029

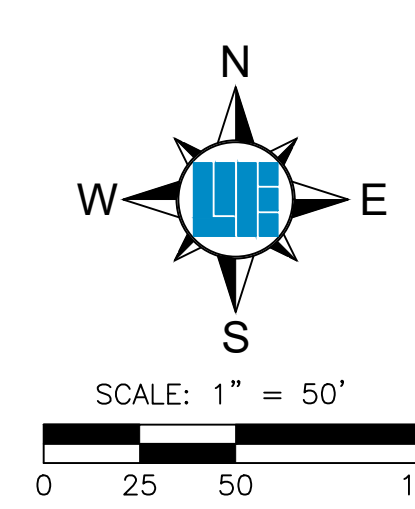


GENERAL NOTES:

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 CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
3. ALL QUANTITIES GIVEN ON THESE PRINTS, ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
4. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
5. BEARINGS, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS AND PLATS FOR EXACT INFORMATION.
6. ALL SIDEWALKS TO BE 5'-0" WIDE AND INSTALLED AS SHOWN ON THIS PLAN.
7. ROLLED CURB & GUTTER SHALL BE INSTALLED THROUGHOUT ENTIRE PROJECT AS SHOWN UNLESS NOTED OTHERWISE.
8. A HANDICAPPED RAMP IS TO BE INSTALLED AT ALL LOCATIONS WHERE A SIDEWALK IS SHOWN INTERSECTING A CURB - SEE DETAIL.
9. 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.
10. REFER TO THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) STANDARD SPECIFICATIONS, LATEST EDITION WITH SUPPLIMENTS, FOR BASIC MATERIALS AND CONSTRUCTION METHODS. 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 COMPACTION, PROPER MOISTURE CONTENT OF FILL MATERIAL WILL BE SUCH TO ACHIEVE SPECIFIED COMPACTION DENSITY. ALL FILL BENEATH 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.
11. 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.
12. ALL SPOT ELEVATIONS ARE TO FINISHED GRADE.
13. ALL GRADES AT BOUNDARY SHALL MEET EXISTING.
14. ANY PART OF SANITARY OR STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVEMENT TO BE BACKFILLED WITH GRANULAR MATERIAL.
15. ALL CONSTRUCTION ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH O.S.H.A. STANDARDS FOR WORKER SAFETY.
16. THE CONTRACTOR SHALL CONFIRM ALL EARTHWORK QUANTITIES PRIOR TO THE START OF CONSTRUCTION. IF AN EXCESS OR SHORTAGE OF EARTH IS ENCOUNTERED, THE CONTRACTOR SHALL CONFIRM WITH THE OWNER AND ENGINEER THE REQUIREMENTS FOR STOCKPILES, REMOVAL OR IMPORTING OF EARTH.
17. PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS AFTER INSTALLATION. CONTRACTOR TO TEST FOR AND CORRECT ANY PONDING CONDITIONS.
18. ALL 6" SSD SHALL BE DOUBLE WALL SMOOTH BORE PIPE. (SEE HAMILTON COUNTY STANDARD DETAILS)
19. THE FINISHED FLOOR ELEVATION FOR EACH LOT MUST BE AT LEAST 6" ABOVE THE PA ELEVATION.
20. FINISHED FLOOR ELEVATION (FFE)

PRODUCT FEE
 SLAB ON GRADE 0.7-PAD ELEVATION
 BASEMENT 1.8-PAD ELEVATION
 *PAD ELEVATION PER LOT SHOWN ON DEVELOPMENT PLAN

UNLESS APPROVED OTHERWISE BY HSE, THE PAD ELEVATION ON A PLOT PLAN FOR A LOT IN THIS DEVELOPMENT CANNOT EXCEED THE CORRESPONDING PAD ELEVATION ESTABLISHED HEREON BY MORE THAN FIVE TENTHS (0.50) FOOT.



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 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.: W170032-6
 DATE: 03/03/2022
 BY: SCS
 DATE: 04/01/2021
 DATE: 06/08/2021
 DATE: 09/08/2021
 DATE: 12/16/2021
 DATE: 02/01/2021

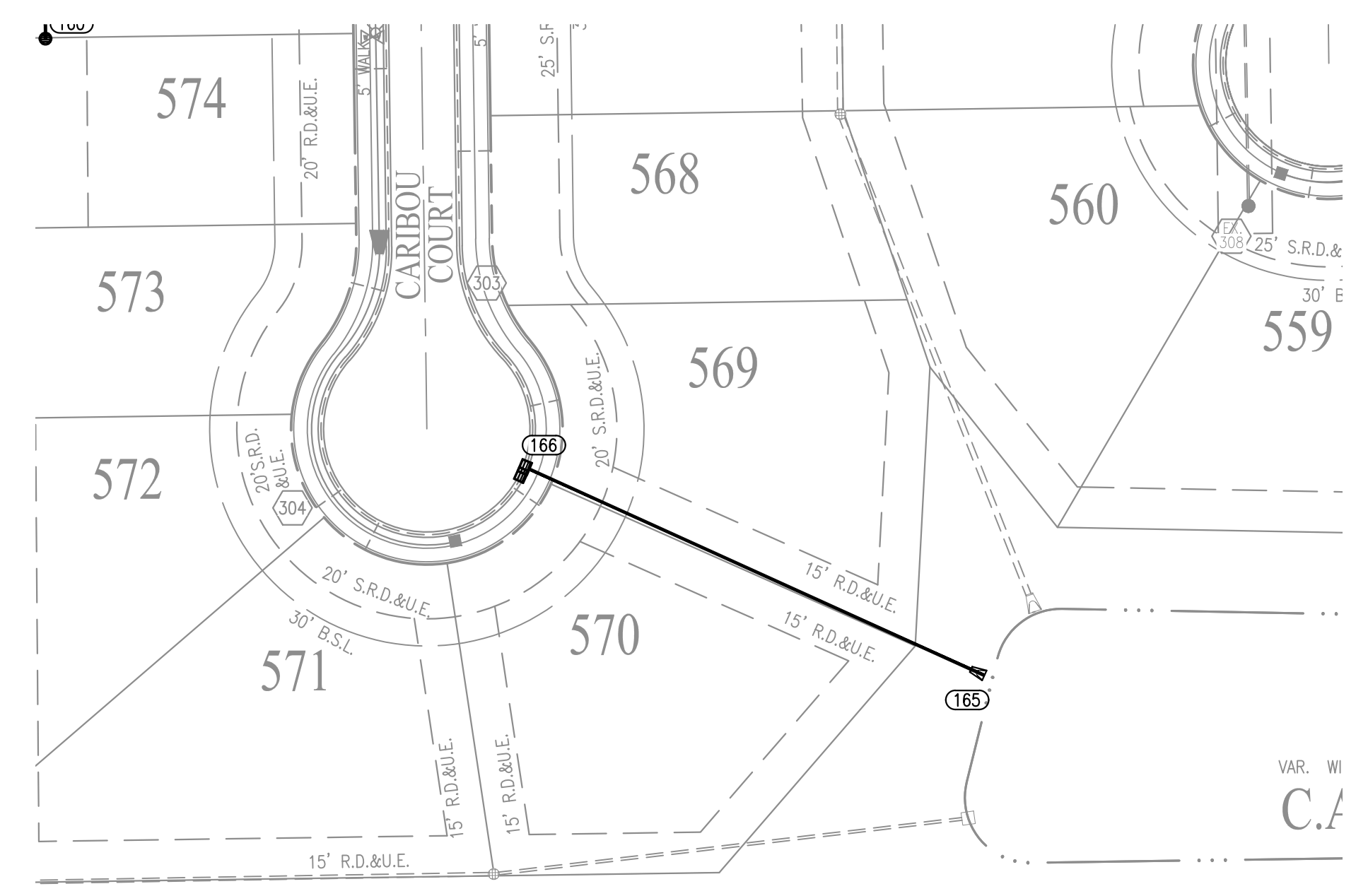
REVISIONS AND ISSUES:
 REVISED PER AGENCY AND TAC COMMENTS
 REVISED PER HSE COMMENTS
 REVISED PER HSE COMMENTS
 AS-BUILTS

DUANE A. SHARRER P.E. #90256
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF INDIANA

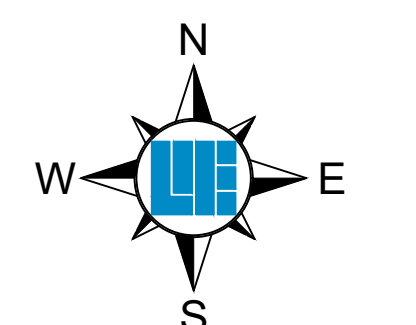
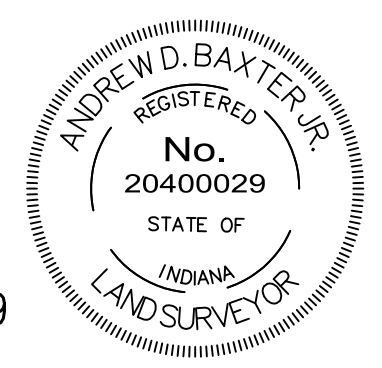
PREPARED FOR:
THE ENCLAVE AT VERMILLION
SECTION SIX
 NORTH CONNECTICUT DEVELOPMENT CORP.
 DEVELOPMENT PLAN
 Part of the 28.82 ± A.C. of Station 8, Township 17 North, Range 6 East, Full Creek Township, Hamilton County, Indiana
 SHEET NO. **C300**
 PROJECT NO. **W170032-6**

LOCATION: H:\2017\W170032\Section 6\Engineering\Mapa\subarea\Map C300 Development Plan.dwg
 DATE/TIME: February 12, 2022 - 8:14am
 PLOTTED BY: Inmng

LOCATION: H:\2017\W170032\Section 6\Engineering\Design\Submittals\AS-Built\AS-Built\AS-Built.dwg
 DATE/TIME: February 12, 2022 - 8:14am
 PLOTTED BY: hnmjg

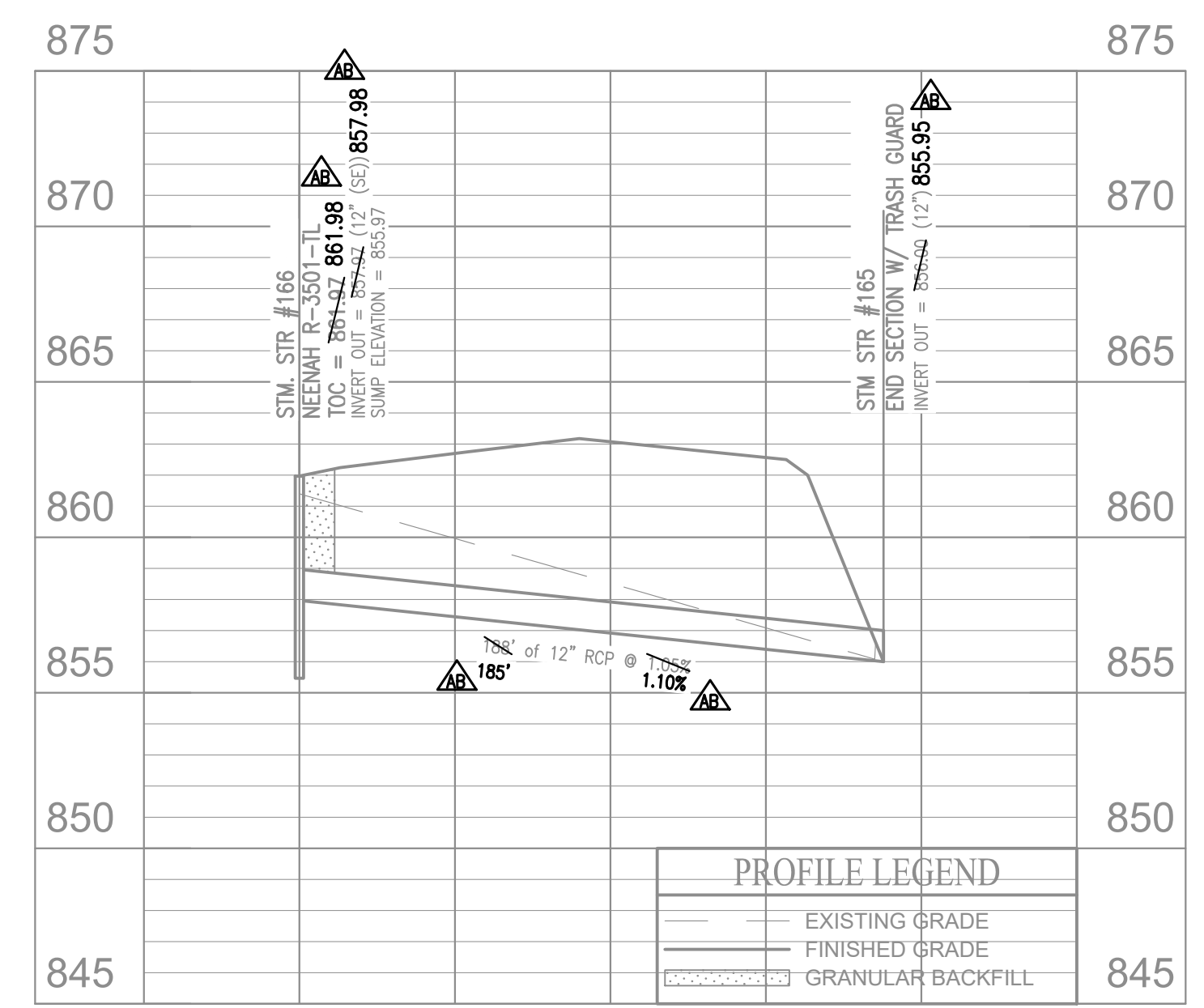


RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 2/11/2022
 ANDREW D. BAXTER JR., L.S. 20400029



AS-BUILT INFORMATION
 BUILT AS PLANNED
 DATE OF LAST FIELDWORK: 1/14/2022
 PIPE LENGTHS ARE CALCULATED FROM CENTER OF CASTING OR BACK OF CURB, TO CENTER OF CASTING TO BACK OF CURB.

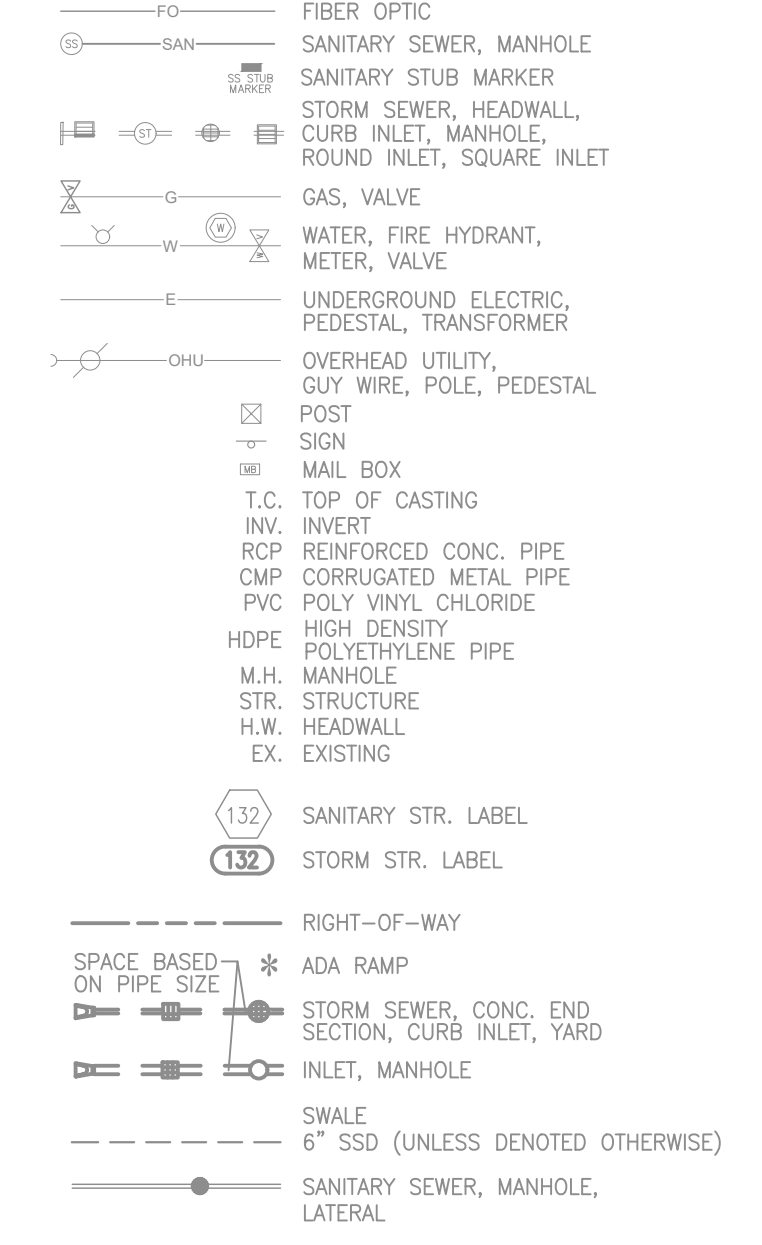
VERTICAL SCALE: 1"=5'
 HORIZONTAL SCALE: 1"=50'



STORM SEWER NOTES

- THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND STORMWATER POLLUTION PREVENTION PLAN.
- REFER TO THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) STANDARD SPECIFICATIONS, LATEST EDITION, 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.
- THE CONTRACTOR SHALL CONTACT APPLICABLE STATE UNDERGROUND LOCATION SERVICE AT LEAST 72 HOURS PRIOR TO ANY WORK AND SHALL CONTACT THE OWNER AND/OR ENGINEER SHOULD UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- THE PLANS SHOW THE LOCATION OF ALL KNOWN UTILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION ACCORDING TO INFORMATION PROVIDED BY THE VARIOUS UTILITY COMPANIES, PREVIOUS CONSTRUCTION PLANS AND AS EVIDENCED BY OBSERVATION OF ABOVE GROUND CONDITIONS BY THE SURVEYOR. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES, ETC. WITHIN THE CONSTRUCTION LIMITS. 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.
- THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITIES AND VERIFY ANY AND ALL FEES ASSOCIATED WITH THE INSTALLATION OF ALL UTILITIES.
- ALL CONSTRUCTION ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH O.S.H.A. STANDARDS FOR WORKER SAFETY.
- ANY PART OF STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVEMENT TO BE BACKFILLED WITH GRANULAR MATERIAL.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION, SIZE, AND ELEVATION OF EXISTING UTILITIES, STRUCTURES, PIPES, PAVEMENTS, ETC. AS RELATED TO THEIR WORK. NOTIFY ENGINEER OF ANY CONFLICT AND/OR DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS.
- CLEARANCE BETWEEN STORM / SANITARY SEWER SYSTEMS AND DOMESTIC/FIRE LINE SERVICE, SHALL MAINTAIN 10' HORIZONTAL AND 18" VERTICAL.
- CONTRACTOR TO INSTALL CONCRETE CRADLES AT PIPE CROSSING WHEN THE VERTICAL SEPARATION (AS MEASURED FROM THE EXTERIOR OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES AND STORM SEWERS IS 18" OR LESS.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO ITS CONDITION PRIOR TO CONSTRUCTION.
- WHEN PERFORMING EXCAVATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.
- COMPACTED "B" BORROW BACK FILL REQUIRED OVER ALL UTILITIES IN PAVED AREAS.
- ALL UTILITY STRUCTURES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE TRAFFIC BEARING RING AND COVERS.
- COORDINATE LOCATIONS AND CONNECTIONS OF BUILDING STORM LINES WITH PLUMBING DRAWINGS.
- FOLLOW ALL LOCAL AND STATE CODES IN REFERENCE TO STORM SEWER INSTALLATION.
- ALL EXISTING MANHOLE AND CATCH BASIN GRATES SHALL BE ADJUSTED TO NEW FINISH GRADE ELEVATIONS.
- EXISTING PIPES WITHIN CONSTRUCTION LIMITS ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
- ALL STORM PIPE CONNECTIONS AT STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- ALL STORM SEWER STRUCTURES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE TRAFFIC BEARING RING AND COVERS RATED FOR H20 LOADING.
- ALL STORM SEWER STRUCTURES SHALL HAVE A SMOOTH UNIFORM Poured MORTAR CHANNEL FROM INVERT IN TO INVERT OUT.
- NEW PIPES AND STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS PRIOR TO FINAL TURNOVER TO THE OWNER.
- IF HDPE PIPE IS SPECIFIED USE DUAL WALLED, HANCOR HQ, ADS N-12 PIPE OR APPROVED EQUAL.
- ALL FITTINGS AND ACCESSORIES INCLUDING BUT NOT LIMITED TO END CAPS, CLEANOUTS, REDUCERS, ETC., SHALL BE HDPE MATERIAL; IF SPECIFIED, COMPARABLE WITH STORAGE PIPES.
- PROVIDE BACKFILL WITH A MINIMUM OF 4" BEDDING MATERIAL OF #6 AGGREGATE COMPACTED IN 8" LIFTS TO 95% MAXIMUM DRY DENSITY.
- VERIFY EXISTING STORM INVERT ELEVATIONS PRIOR TO STARTING NEW STORM SEWER CONNECTION.

LEGEND



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.

BENCHMARK INFORMATION

SOURCE BENCHMARK
 HCBR 285 - HAMILTON COUNTY GEODETIC CONTROL DISK SET IN NORTH END OF EAST CONCRETE HANDRAIL ON THE ATLANTA AVENUE (SOUTHEASTERN PARKWAY OR SR 238) BRIDGE OVER FALL CREEK.
 EL=809.14 (NAVD 88)

HSE 29
 HSE DISC IN CONCRETE IS 5' SOUTH OF THE SOUTH BACK OF CURB ALONG 101ST STREET, APPROXIMATELY 134'-4" SOUTH AND 61'-4" WEST OF THE SOUTH WEST CORNER OF LOT 307 IN THE WOODS AT VERMILLION - SECTION FOUR
 N=1707462.37
 E=269743.89
 EL=855.00 (NAVD 88)

TBM 1 - ENCLAVE 4
 TOP 3/4-INCH STEEL PIN MARKING THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 17 NORTH, RANGE 6 EAST, ONE QUARTER MILE NORTH OF THE CENTER OF 101ST STREET AND ONE QUARTER MILE WEST OF THE HAMILTON COUNTY-HANCOCK COUNTY LINE.
 EL= 861.77 (NAVD 88)

TBM 2 - ENCLAVE 4
 BENCH TIE SET IN EAST SIDE OF 6"X6" CORNER POST, 6.4 FEET NORTH AND 11.3 FEET WEST OF THE SOUTHEAST CORNER OF LOT #217 ENCLAVE AT VERMILLION, SECTION 4.
 ELEV = 865.90 NAVD 88

TBM - WOODS 5
 A BENCH SPIKE ON THE NORTH SIDE OF A UTILITY POLE ON THE SOUTH SIDE OF 101ST STREET, APPROXIMATELY 134'-4" SOUTH AND 61'-4" WEST OF THE SOUTH WEST CORNER OF LOT 307 IN THE WOODS AT VERMILLION - SECTION FOUR
 N=1708404.38
 E=270984.89
 EL=864.02(NAVD 88)

TBM 1 - ENCLAVE 5
 "MAG" NAIL SET ON NORTH SIDE POWER POLE 15 FEET SOUTH OF THE CENTER OF 101ST STREET AND 26 FEET WEST OF THE CENTER OF SHULL FARM DRIVE.
 ELEV. = 865.35 NAVD 88

TBM 2 - ENCLAVE 5
 "MAG" NAIL SET IN THE TOP OF CURB, 14 FEET WEST OF THE CENTER OF HAMBURG DRIVE AND 15.7 FEET NORTH OF THE NORTH LINE OF LOT 618.
 ELEV. = 862.50 NAVD 88



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WEIHE ENGINEERS
 Land Surveying | Civil Engineering
 Landscape Architecture

PROJECT NO.: W170032-6
 DWG. NAME: AS-BUILT Storm Sewer
 DESIGNER: J.P.
 DRAWN BY: J.P.
 CHECKED BY: J.P.
 DATE: 02/01/2022

REVISIONS AND ISSUES

NO.	DATE	DESCRIPTION
1	02/01/2022	ISSUED FOR RECORD

DUANE A. SHARRER, P.E. 890256
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF INDIANA

PREPARED FOR:
THE ENCLAVE AT VERMILLION SECTION SIX
 NORTH CONNECTICUT DEVELOPMENT CORP.
 STORM SEWER PLAN AND PROFILE
 Part of the SR 82 1/4 of Section 8, Township 17 North, Range 6 East, Full Creek Township, Hamilton County, Indiana

SHEET NO.
C601
 PROJECT NO.
 W170032-6

