

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

November 13, 2020

To: Hamilton County Drainage Board

Re: Vermillion Drain, The Enclave at Vermillion, Sec. 5 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. 5 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. W170032-5, the drain will consist of the following:

12" RCP	781 ft.
15" RCP	302 ft.
18" RCP	307 ft.
21" RCP	358 ft.
24" RCP	79 ft.
6" SSD	877 ft.
Open drain	4,918 ft.

The total length of the drain will be 7,622 feet.

The open drain length listed above includes the following: The straight-line length through Pond 18 between Str. 125 and Str. 114; Str.194 and Str. 114; Str. 140 and Str. 114; and Str. 128 and Str 114.

Existing Pond 19 length is listed in the report for the Enclave at Vermillion, Sec. 4, which is also proposed at this time. 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 4 will be \$2,438.40.

The detention ponds (pond #18 & 19) are 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: October 28, 2020
Number: 1404ENC5
For: Storm Sewers
Amount: \$179,348.4
HCDB-2020-00023

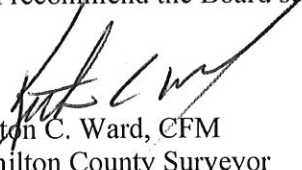
Agent: Standard Financial Corporation
Date: October 28, 2020
Number: 1405ENC5
For: Erosion Control
Amount: \$59,637.54
HCDB-2020-00024

Agent: Standard Financial Corporation
Date: October 28, 2020
Number: 1406ENC5
For: Monumentation
Amount: \$4,368.00
HCDB-2020-00025

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

I recommend the Board set a hearing for this proposed drain for December 14, 2020.



Kenton C. Ward, CFM
Hamilton County Surveyor
KCW/stc

(Revised 06/08/04)

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

FILED

MAY 06 2020

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
Five _____ 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 5 _____, 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

Douglas B. Wagner, Sr. Vice President

Printed Name

May 1, 2020

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Vermillion Drain, The Enclave at Vermillion Section 5 Arm

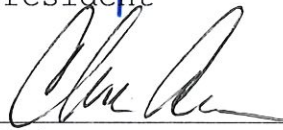
On this 14th day of December, 2020, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Vermillion Drain, The Enclave at Vermillion Section 5 Arm.**

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

FILED

JUL 07 2020



ENGINEER'S ESTIMATE OF PROBABLE COST

Project: The Enclave at Vermillion Section 5
WI70032

OFFICE OF HAMILTON COUNTY SURVEYOR
Date: 7/1/2020

STORM SEWERS

	Quantity	Unit Price	Gross Price
Structures			
Manholes	11	\$ 2,050.00	\$ 22,550.00
Standard Inlet	7	\$ 1,505.00	\$ 10,535.00
Double Curb Inlet	1	\$ 2,260.00	\$ 2,260.00
Castling Neenah R-3501 (curb inlet)	15	\$ 395.00	\$ 5,925.00
Castling Neenah R-1772 (Solid Lid)	1	\$ 400.00	\$ 400.00
Castling Neenah R-4342 (Beehive)	5	\$ 400.00	\$ 2,000.00
Tons of stone Backfill (#53)	345	\$ 13.50	\$ 4,657.50
Tons of Rip Rap	39	\$ 45.00	\$ 1,755.00
Lot connections (6" underdrain)	31	\$ 125.00	\$ 3,875.00
Linear feet of underdrain (6")	4,820	\$ 9.00	\$ 43,380.00

Qty	Measurement	Size	Material	Unit Price	Gross Price
Pipe					
781	Linear feet of	12"	RCP	\$ 22.00	\$ 17,182.00
302	Linear feet of	15"	RCP	\$ 26.00	\$ 7,852.00
307	Linear feet of	18"	RCP	\$ 28.00	\$ 8,596.00
358	Linear feet of	21"	RCP	\$ 34.00	\$ 12,172.00
79	Linear feet of	24"	RCP	\$ -	\$ -
0	Linear feet of	27"	RCP	\$ -	\$ -
0	Linear feet of	30"	RCP	\$ -	\$ -
1827	Televise Storm		LF	\$ 2.50	\$ 4,567.50
2	End Sections of	12"	RCP	\$ -	\$ -
2	End Sections of	15"	RCP	\$ -	\$ -
1	End Sections of	18"	RCP	\$ -	\$ -
1	End Sections of	21"	RCP	\$ 1,750.00	\$ 1,750.00
1	End Sections of	24"	RCP	\$ -	\$ -
0	End Sections of	30"	RCP	\$ -	\$ -

STORM SEWER TOTAL: \$ 149,457.00

EROSION CONTROL

	Quantity	Unit Price	Gross Price
Seeding			
Acres of temp. seed & mulch	13.00	\$ 1,100.00	\$ 14,300.00
Square yards of permanent seed and straw mulch	26,875	\$ 0.36	\$ 9,675.00
Square yards of erosion control blanket w/ permanent seed)	7,925	\$ 1.05	\$ 8,321.25
Other			
Construction Entrance	1	\$ 3,300.00	\$ 3,300.00
Linear feet of silt fencing	7,314	\$ 1.05	\$ 7,679.70
Inlet Protection	21	\$ 90.00	\$ 1,890.00
Curb Inlet Protection	24	\$ 168.00	\$ 4,032.00
Misc.			
Concrete Washout	1	\$ 500.00	\$ 500.00
Silt Fence Inlet Protection (Open Area)	0	\$ -	\$ -

EROSION CONTROL TOTAL \$ 49,697.95

MONUMENTATION

	Quantity	Unit Price	Gross Price
Misc.			
Rebar Street Control	9	\$ 50.00	\$ 450.00
4x4 Concrete Monuments	1	\$ 75.00	\$ 75.00
Property Corners	89	\$ 35.00	\$ 3,115.00

EROSION CONTROL TOTAL \$ 3,640.00

SUMMARY

	Total	Performance	Maintenance
		Guarantee	Guarantee
	A	B = A X 120%	C = B X 20%
Storm Sewers	\$ 149,457.00	\$ 179,348.40	\$ 35,869.68
Erosion Control	\$ 49,697.95	\$ 59,637.54	\$ 11,927.51
Monumentation	\$ 3,640.00	\$ 4,368.00	\$ 873.60
	\$ 202,794.95	\$ 243,353.94	\$ 48,670.79

COMMENTS:

Bond Estimate Prepared by: _____
 Signature: *Jim Pence*
 Printed Name: Jim Pence
 Title: Project Manager
 Date: 2-Jul-20

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

***Vermillion Drain,
The Enclave at Vermillion Section 5 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 5 Arm** on **December 14, 2020** at **12:00 P.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 5 Arm**

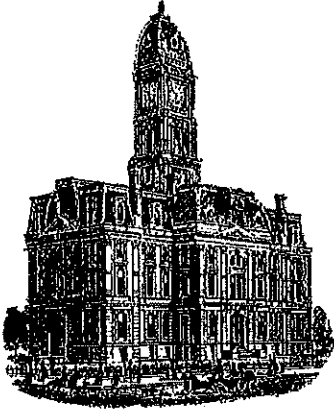
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **December 14, 2020** 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

September 17, 2021

Re: Vermillion Drain: The Enclave at Vermillion Sec. 5

Attached are as-built, certificate of completion & compliance, and other information for Enclave at Vermillion Sec. 5. 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 November 13, 2020. The report was approved by the Board at the hearing held December 14, 2020. (See Drainage Board Minutes Book 19, Pages 435-437) The changes are as follows: the open ditch was lengthened from 877 feet to 944 feet. This is due to the open ditch from structure 106 to 936 being included in this final report and removed from the Enclave at Vermillion Section 4 final report. The 12" RCP was shortened from 781 feet to 774 feet. The 15" RCP was shortened from 302 feet to 300 feet. The 18" RCP was unchanged at 307 feet. The 21" RCP was shortened from 358 feet to 357 feet. The 24" RCP was lengthened from 79 feet to 86 feet. The 6" SSD was shortened from 4,918 feet to 4,820 feet. The length of the drain due to the changes described above is now **7,588 feet**.

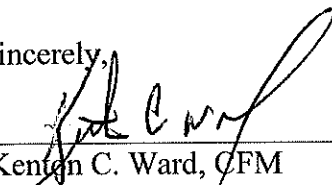
The non-enforcement was approved by the Board at its meeting on December 14, 2020 and recorded under instrument #2021060076.

The following sureties were guaranteed by Standard Financial Corp. and released by the Board on its September 13, 2021 meeting.

Bond-LC No: 1404ENC5
Amount: \$179,348.40
For: Storm Sewers
Issue Date: October 28, 2020

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: Enclave at Vermillion Section 5

FILED

AUG 12 2021

OFFICE OF HAMILTON COUNTY SURVEYOR

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.

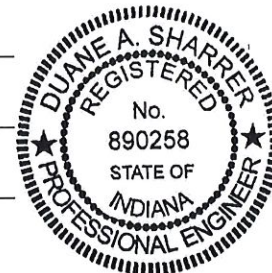
Signature:  Date: 7/20/2021

Type or Print Name: Duane A. Sharrer

Business Address: 10505 N. College Ave.

Indianapolis, IN 46280

Telephone Number: 317-846-6611



INDIANA REGISTRATION NUMBER

890258

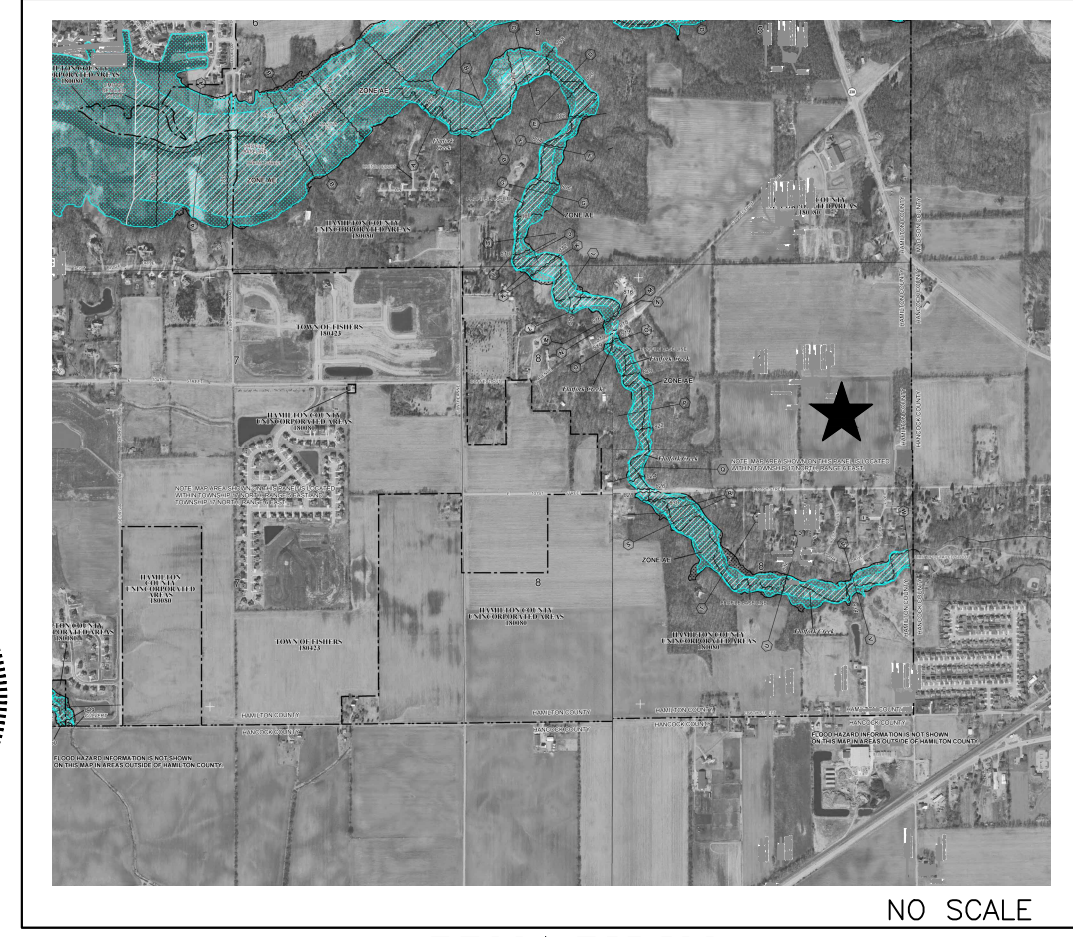
RECORD CONSTRUCTION DRAWINGS

THE ENCLAVE AT VERMILLION

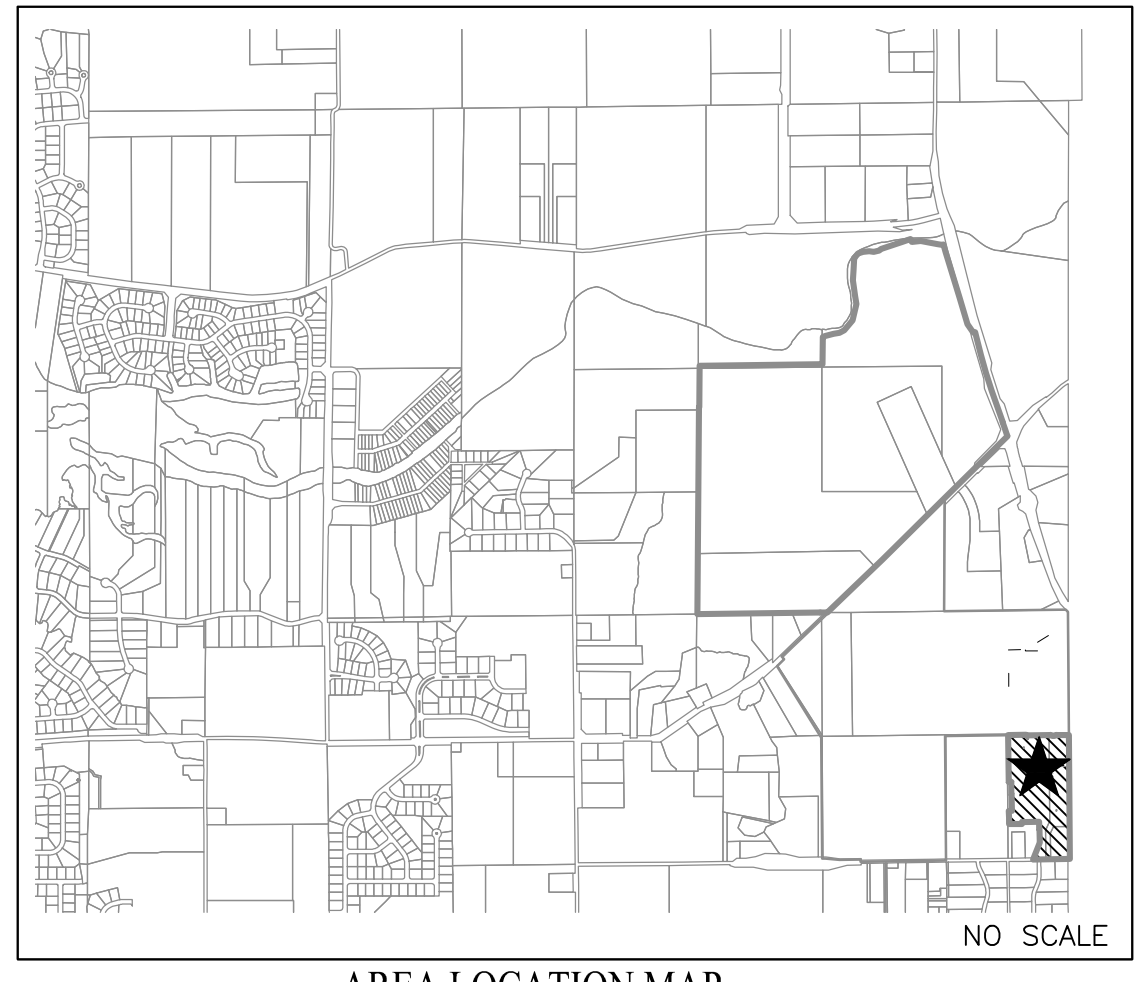
SECTION FIVE

RECORD DRAWING

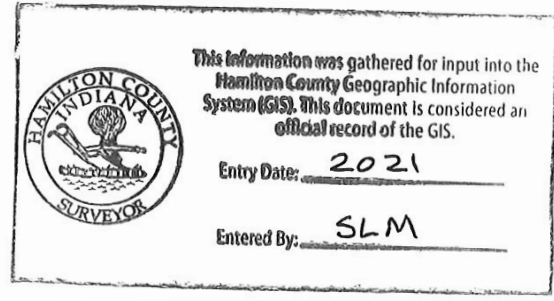
7/12/2021
DUANE A. SHARRER P.E. 890258



F.E.M.A. F.I.R.I.M. NO SCALE



AREA LOCATION MAP NO SCALE



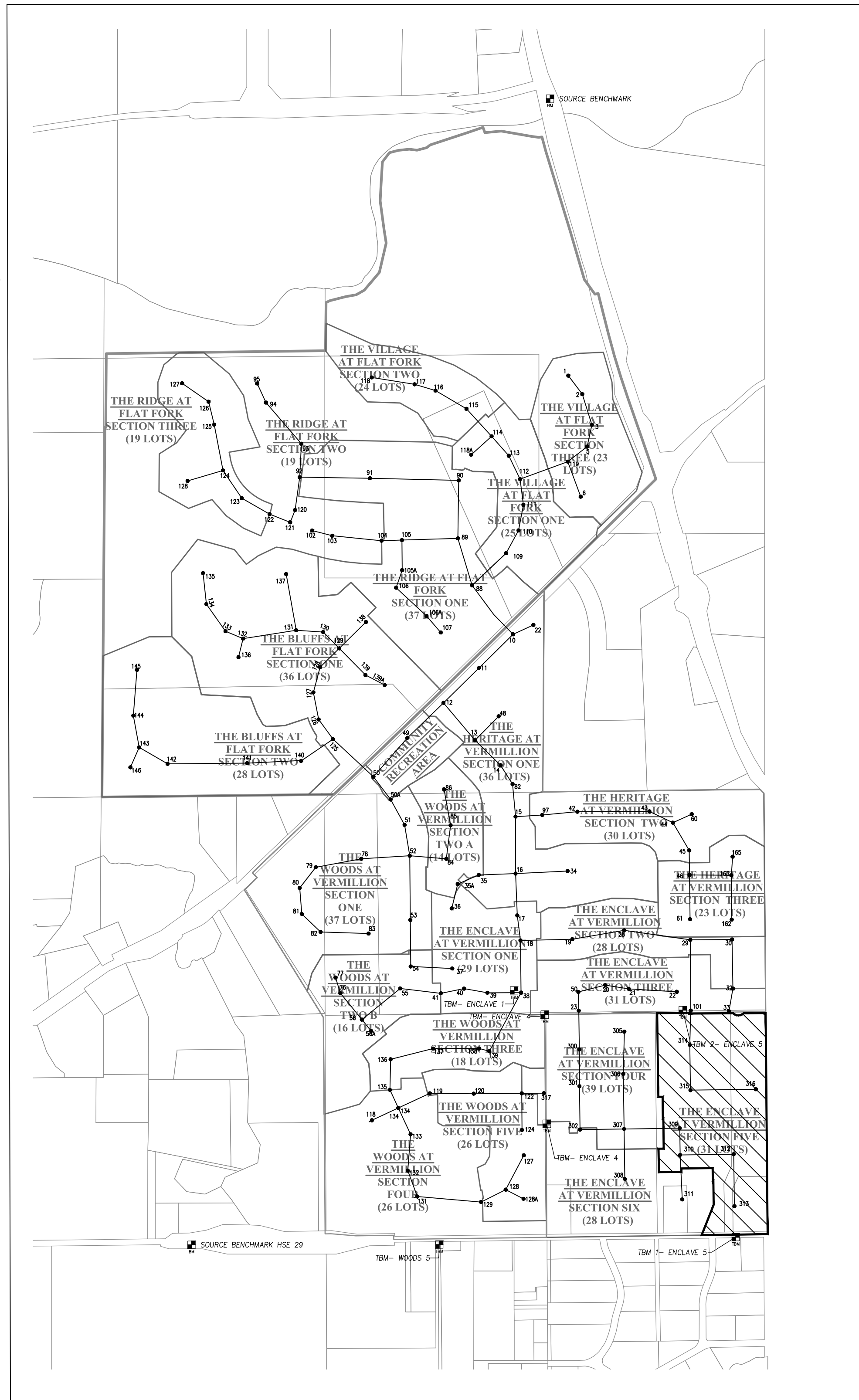
FALL CREEK TOWNSHIP, FORTVILLE, IN 46040

GENERAL 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 CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
- ALL QUANTITIES GIVEN ON THESE PRINTS ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
- 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.
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
- THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT.
- ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.
- 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.
- BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
- 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.
- 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/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.
- 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.
- THE DESIGN AND CONSTRUCTION SHALL COMPLY WITH ALL ADA REQUIREMENTS. SHALL BE PROWAG COMPLIANT AND MEET ALL CURRENT INDOT STANDARD SPECIFICATIONS.
- 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 FLATFORK CREEK.
E.L.=809.14 (NAVD 88)
- HSE 29**
HSE DISC IN CONCRETE IS 5' SOUTH OF THE SOUTH BACK OF CURB ALONG 101ST. 1800 +/- EAST OF CYNTHIANNE RD., 33 WEST OF THE FIRST DRIVE WEST OF THE BRIDGE OVER FLATFORK CREEK.
N=1707462.37
E=269743.89
E.L.=855.00 (NAVD 88)
- TBM - ENCLAVE 4**
TOP 3/4-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.
E.L.= 861.77 (NAVD 88)
- TBM - ENCLAVE 1**
MAG NAIL SET IN THE WALK AT THE SOUTH SIDE OF DOMINION DRIVE AND KENSINGTON LANE, APPROXIMATELY 23' +/- SOUTH OF THE CENTERLINE OF DOMINION DRIVE AND 6' +/- WEST OF THE CENTERLINE OF KENSINGTON LANE IN THE ENCLAVE AT VERMILLION - SECTION ONE
N=1708982.08
E=271671.65
E.L.=862.36 (NAVD 88)
- TBM - 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' +/- SOUTH AND 61' +/- WEST OF THE SOUTHWEST CORNER OF LOT 307 IN THE WOODS AT VERMILLION - SECTION FOUR
N=1708404.38
E=270984.89
E.L.=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



SHEET NO.	DESCRIPTION
C001	TITLE SHEET
C100-C101	EXISTING CONDITIONS / DEMOLITION PLAN
C200-C201	STORMWATER POLLUTION PREVENTION PLAN PHASE 1
C202-C203	STORMWATER POLLUTION PREVENTION PLAN PHASE 2
C204-C205	STORMWATER POLLUTION PREVENTION DETAILS & SPECS.
C300-C301	DEVELOPMENT PLAN
C302-C303	PONDING LIMITS/FLOOD ROUTING PLAN
C400-C402	STREET PLAN & PROFILE
C403-C405	INTERSECTION/ENTRANCE DETAILS
C406-C409	STREET DETAILS & SPECIFICATIONS
C410-C411	TRAFFIC CONTROL/SIGNAGE/STREET LIGHT/SUMP PLAN
C412	MAINTENANCE OF TRAFFIC PLAN
C500-C501	SANITARY SEWER PLAN & PROFILE
C502-C504	SANITARY SEWER DETAILS & SPECIFICATIONS
C600-C602	STORM SEWER PLAN & PROFILE
C603-C604	STORM SEWER DETAILS
C700-C701	WATER MAIN PLAN
C702-C704	WATER MAIN DETAILS/SPECIFICATIONS
L100-L101	LANDSCAPE PLAN
L102	LANDSCAPE ENLARGEMENTS
L103	OFF-SITE LANDSCAPE PLAN
L104-L105	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 SOUTH LINE OF THE ENCLAVE AT VERMILLION, SECTION 3, THE PLAT OF WHICH IS RECORDED IN PLAT CABINET 5, SLIDE 1011, AS INSTRUMENT NO. 2019037660, THE NEXT FIVE COURSES ARE ALONG SAID SOUTH LINE (BASIS OF BEARING); THENCE (1) NORTH 89 DEGREES 15 MINUTES 00 SECONDS EAST 365.11 FEET; (2) NORTH 84 DEGREES 39 MINUTES 32 SECONDS EAST 47.88 FEET; (3) NORTH 89 DEGREES 11 MINUTES 26 SECONDS EAST 168.31 FEET; (4) SOUTH 87 DEGREES 38 MINUTES 48 SECONDS EAST 73.67 FEET; (5) NORTH 89 DEGREES 15 MINUTES 00 SECONDS EAST 18.16 FEET TO THE POINT OF BEGINNING, THENCE CONTINUING NORTH 89 DEGREES 15 MINUTES 00 SECONDS EAST 191.87 FEET; THENCE SOUTH 00 DEGREES 30 MINUTES 47 SECONDS EAST 5.57 FEET; THENCE NORTH 89 DEGREES 28 MINUTES 52 SECONDS EAST 260.20 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE NORTH, HAVING A RADIUS OF 50.00 FEET, THE RADIUS POINT OF SAID CURVE BEARS NORTH 41 DEGREES 38 MINUTES 41 SECONDS EAST; THENCE SOUTHEASTERLY AND NORTHEASTERLY ALONG SAID CURVE 72.52 FEET TO A POINT THAT BEARS SOUTH 41 DEGREES 29 MINUTES 43 SECONDS EAST FROM THE RADIUS POINT; THENCE NORTH 89 DEGREES 29 MINUTES 44 SECONDS EAST 130.20 FEET TO THE EAST LINE OF SAID QUARTER SECTION; THENCE ALONG SAID EAST LINE SOUTH 00 DEGREES 30 MINUTES 15 SECONDS EAST 19.94 FEET; THENCE SOUTH 89 DEGREES 11 MINUTES 28 SECONDS WEST 111 MINUTES 28 SECONDS WEST 394.21 FEET; THENCE NORTH 21 DEGREES 35 MINUTES 47 SECONDS EAST 194.70 FEET; THENCE NORTH 00 DEGREES 48 MINUTES 32 SECONDS WEST 145.00 FEET; THENCE SOUTH 89 DEGREES 11 MINUTES 28 SECONDS WEST 3.00 FEET; THENCE NORTH 00 DEGREES 48 MINUTES 32 SECONDS WEST 75.00 FEET; THENCE SOUTH 89 DEGREES 11 MINUTES 28 SECONDS WEST 186.60 FEET; THENCE SOUTH 00 DEGREES 48 MINUTES 32 SECONDS EAST 19.94 FEET; THENCE SOUTH 89 DEGREES 11 MINUTES 28 SECONDS WEST 135.37 FEET; THENCE NORTH 00 DEGREES 48 MINUTES 32 SECONDS WEST 180.00 FEET; THENCE SOUTH 89 DEGREES 11 MINUTES 28 SECONDS WEST 2.50 FEET; THENCE NORTH 00 DEGREES 48 MINUTES 32 SECONDS WEST 130.00 FEET; THENCE SOUTH 89 DEGREES 11 MINUTES 28 SECONDS WEST 25.50 FEET; THENCE NORTH 00 DEGREES 48 MINUTES 32 SECONDS WEST 500.46 FEET TO THE PLACE OF BEGINNING, CONTAINING 16.70 ACRES, MORE OR LESS.

STREET DATA

STREET LENGTHS:	
BOWESMONT DRIVE	489.09 L.F.±
HAMBURG DRIVE	930.56 L.F.±
BIGSTONE DRIVE	128.87 L.F.±
BIG SKY DRIVE	487.41 L.F.±
SHULL FARM DRIVE	515.00 L.F.±
TOTAL	2550.93 L.F.±
NOTE: DESIGN SPEED FOR ALL INTERIOR ROADS SHALL BE 25 MPH.	
SITE AREA:	
SITE LOTS	16.70 AC.±
	31

PLANS PREPARED FOR



NORTH CONNECTICUT DEVELOPMENT CORP.
13578 EAST 131ST STREET, SUITE 200
FISHERS, IN 46037
TELEPHONE: 317-770-1818
CONTACT PERSON: DOUG WAGNER
dwagner@republicdev.com

PLANS PREPARED BY

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

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 PLISINKI | 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
317-776-5532
ATTN: JOANIE CLARK | COMCAST
5330 E. 65TH STREET
INDIANAPOLIS, IN 46220
317-774-3384
ATTN: MATT STRINGER | |

WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture

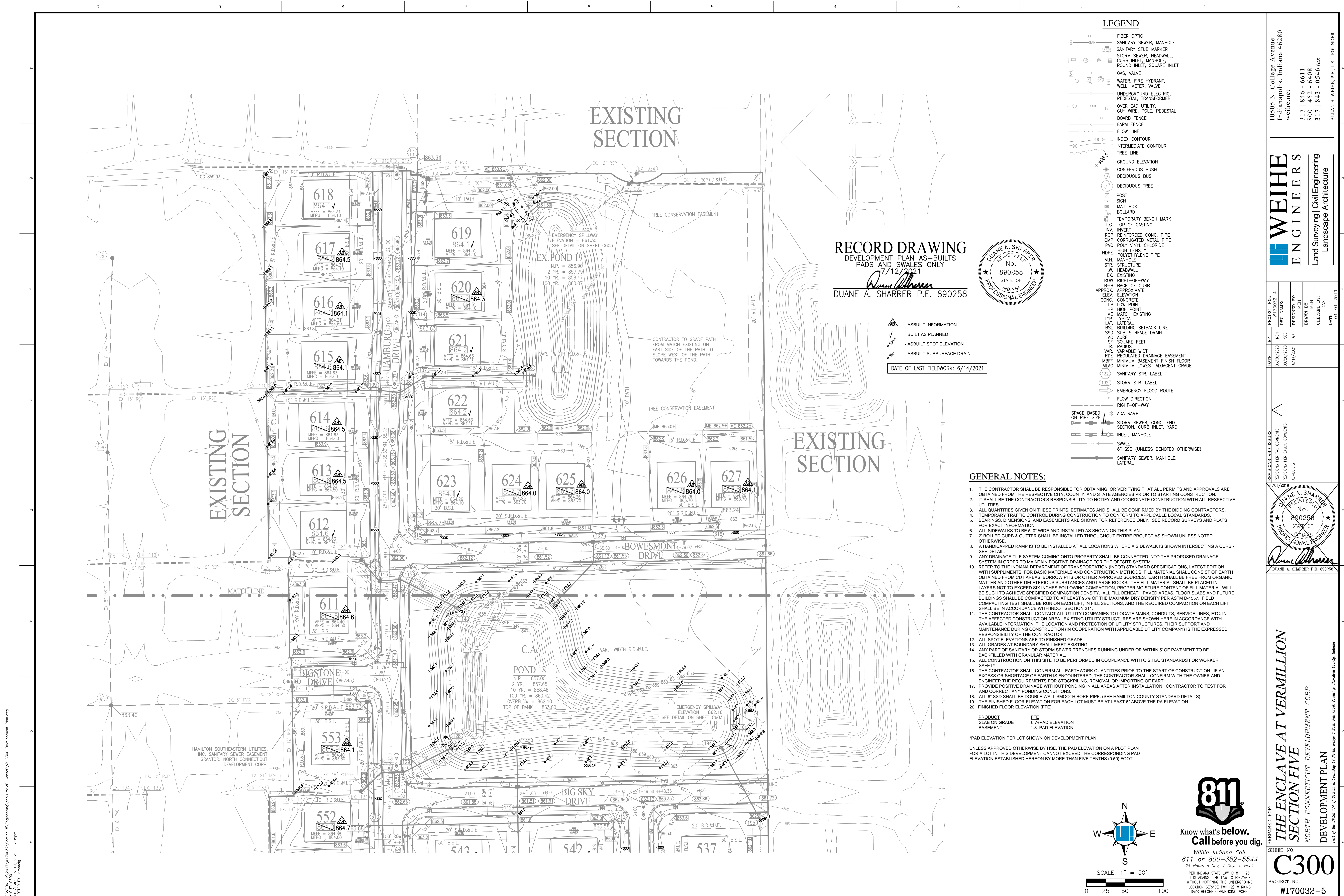
10505 N. College Avenue
Indianapolis, Indiana 46280
weihe.net
317 | 846 - 6611
800 | 452 - 6408
317 | 843 - 0546 /fax
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

DATE:	06/09/2020	BY:	WJ
PROJECT NO.:	W170032-4	REV:	04
DWG. NAME:	SECTION FIVE	DESIGNED BY:	WJ
DESIGNED BY:	WJ	DRAWN BY:	WJ
CHECKED BY:	WJ	DATE:	06/14/2021

DUANE A. SHARRER P.E. 890258

PREPARED FOR:
THE ENCLAVE AT VERMILLION
SECTION FIVE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 TITLE SHEET
Part of the SR 35E 1/4 of Section 8, Township 17 North, Range 6 East, Fall Creek Township, Hamilton County, Indiana

SHEET NO.
C001
 PROJECT NO.
W170032-5



LEGEND

- FIBER OPTIC
- SANITARY SEWER, MANHOLE
- SANITARY STUB MARKER
- STORM SEWER, HEADWALL, CURB INLET, MANHOLE, ROUND INLET, SQUARE INLET
- GAS, VALVE
- WATER, FIRE HYDRANT, WELL, METER, VALVE
- UNDERGROUND ELECTRIC, PEDESTAL, TRANSFORMER
- OVERHEAD UTILITY, GUY WIRE, POLE, PEDESTAL
- BOARD FENCE
- FARM FENCE
- FLOW LINE
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- TREE LINE
- GROUND ELEVATION
- CONIFEROUS BUSH
- DECIDUOUS BUSH
- DECIDUOUS TREE
- POST
- SIGN
- MAIL BOX
- BOLLARD
- TEMPORARY BENCH MARK
- T.C. TOP OF CASTING
- INV. INVERT
- RCP REINFORCED CONC. PIPE
- CMP CORRUGATED METAL PIPE
- PVC POLY VINYL CHLORIDE
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- M.H. MANHOLE
- STR. STRUCTURE
- H.W. HEADWALL
- EX. EXISTING ROW
- R.O.W. RIGHT-OF-WAY
- B-B BACK OF CURB
- APPROX. APPROXIMATE ELEV. ELEVATION
- CONC. CONCRETE
- LP LOW POINT
- HP HIGH POINT
- ME MATCH EXISTING
- TYP. TYPICAL
- LAT. LATERAL
- BSL BUILDING SETBACK LINE
- SSO SUB-SURFACE DRAIN
- AC ACRE
- SF SQUARE FEET
- R. RADIUS
- VAR. VARIABLE WIDTH
- RDE REGULATED DRAINAGE EASEMENT
- MBEF MINIMUM BASEMENT FINISH FLOOR
- MLAG MINIMUM LOWEST ADJACENT GRADE
- SANITARY STR. LABEL
- STORM STR. LABEL
- EMERGENCY FLOOD ROUTE
- FLOW DIRECTION
- RIGHT-OF-WAY
- ADA RAMP
- STORM SEWER, CONC. END SECTION, CURB INLET, YARD INLET, MANHOLE
- SWALE
-
- SANITARY SEWER, MANHOLE, LATERAL

RECORD DRAWING
 DEVELOPMENT PLAN AS-BUILTS
 PADS AND SWALES ONLY
 7/12/2021
 Duane A. Sharrer
 DUANE A. SHARRER P.E. 890258



- AS-BUILT INFORMATION
 - AS-BUILT AS PLANNED
 - AS-BUILT SPOT ELEVATION
 - AS-BUILT SUBSURFACE DRAIN
- DATE OF LAST FIELDWORK: 6/14/2021

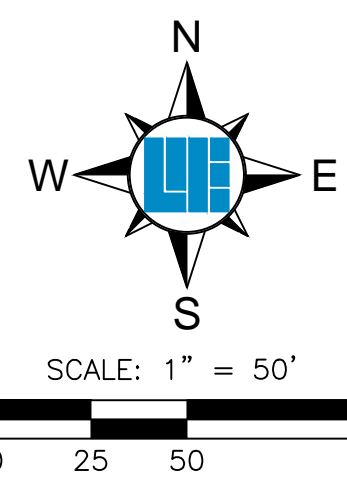
GENERAL NOTES:

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 SUPPLEMENTS, 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 STOCKPILING, 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 FFE
 SLAB ON GRADE 0.75' 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.



811
 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.

10505 N. College Avenue
 Indianapolis, Indiana 46280
 weithe.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.	W170032-4
DWG. NAME	AS-B
DESIGNED BY	AS
DRAWN BY	AS
CHECKED BY	DAS
DATE	05-01-2019

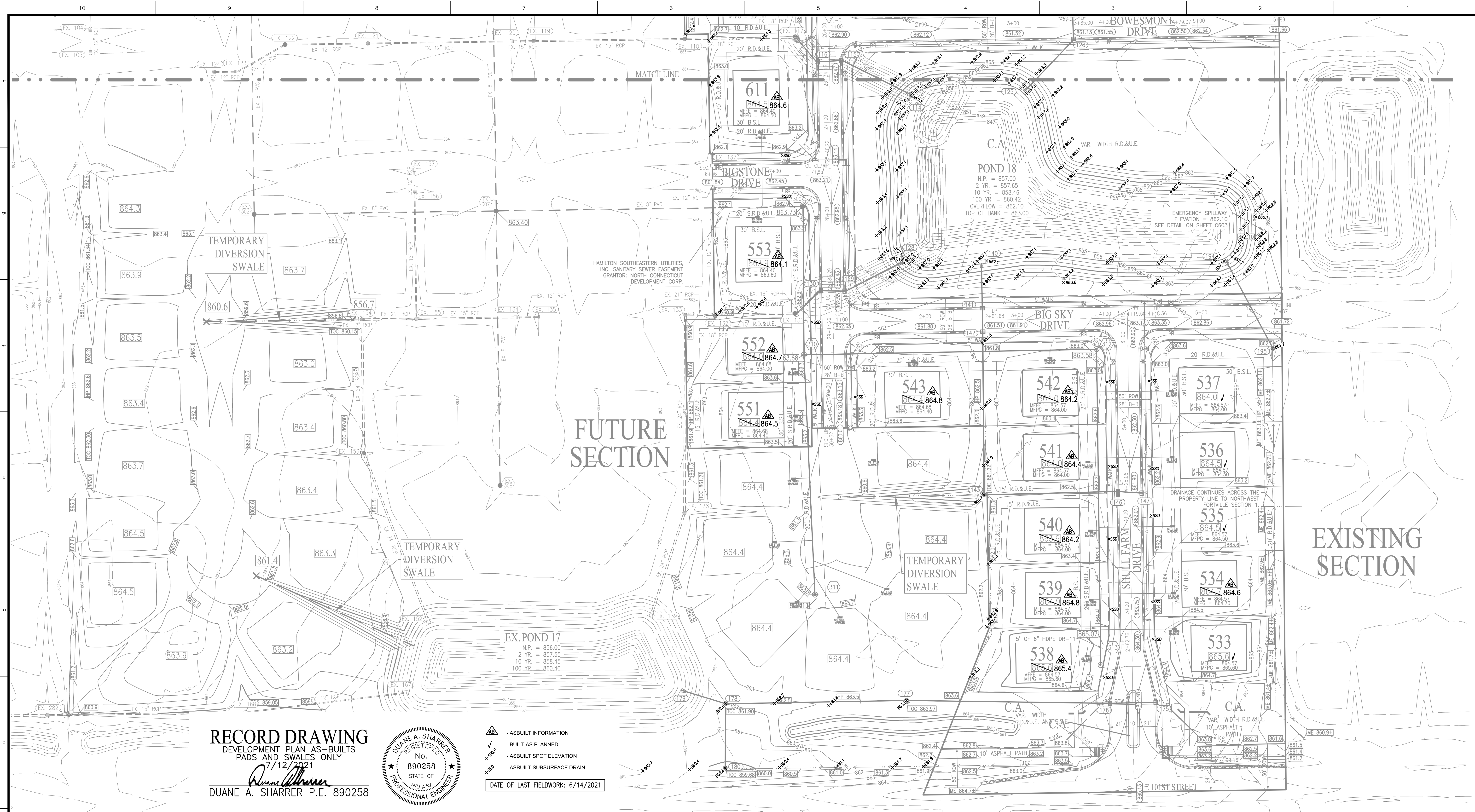
DUANE A. SHARRER
 No. 890258
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

PREPARED FOR:
THE ENCLAVE AT VERMILLION
SECTION FIVE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 DEVELOPMENT PLAN
 Part of the 58.55 1/4 of Section 8, Township 17 North, Range 6 East, Paul Creek Township, Hamilton County, Indiana

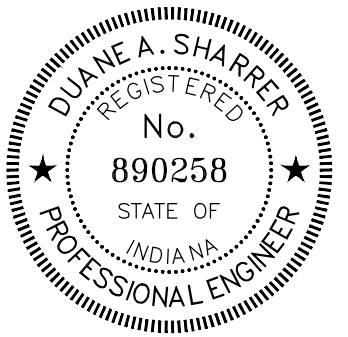
SHEET NO.
C300

PROJECT NO.
 W170032-5

LOCATION: H:\2017\W170032\Section 5\Engineering\sublots\AB\Consent\AB C300 Development Plan.dwg
 DATE PLOTTED: July 19, 2021
 PLOTTED BY: Vermye



RECORD DRAWING
 DEVELOPMENT PLAN AS-BUILTS
 PADS AND SWALES ONLY
 7/12/2021
Duane A. Sharrer
 DUANE A. SHARRER P.E. 890258



- AS-BUILT INFORMATION
 - BUILT AS PLANNED
 - AS-BUILT SPOT ELEVATION
 - AS-BUILT SUBSURFACE DRAIN
- DATE OF LAST FIELDWORK: 6/14/2021

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 CONTRACTORS.
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. 2" 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 SUPPLEMENTS, 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 IN ACCORDANCE TO AT LEAST 99% 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 STOCKPIPING, 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)

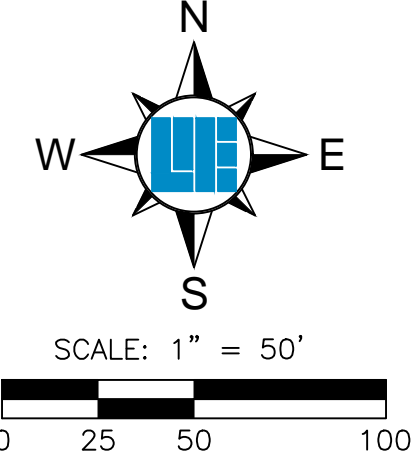
PRODUCT	FFE
SLAB ON GRADE	0.7" PAD ELEVATION
BASEMENT	1.8" PAD ELEVATION

*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.

LEGEND

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> FIBER OPTIC SANITARY SEWER, MANHOLE SANITARY STUB MARKER STORM SEWER, HEADWALL CURB INLET, MANHOLE ROUND INLET, SQUARE INLET GAS, VALVE WATER, FIRE HYDRANT, WELL, METER, VALVE UNDERGROUND ELECTRIC, PEDESTAL, TRANSFORMER OVERHEAD UTILITY, GUY WIRE, POLE, PEDESTAL BOARD FENCE FARM FENCE FLOW LINE RIGHT-OF-WAY INDEX CONTOUR INTERMEDIATE CONTOUR TREE LINE GROUND ELEVATION CONFEDEROUS BUSH DECIDUOUS BUSH | <ul style="list-style-type: none"> DECIDUOUS TREE POST, SIGN MAIL BOX BOLLARD T.C. TEMPORARY BENCH MARK INV. INVERT RCP REINFORCED CONC. PIPE CMP 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 LOW POINT HP HIGH POINT ME MATCH EXISTING TYP. TYPICAL LAT. LATERAL BSL BUILDING SETBACK LINE | <ul style="list-style-type: none"> SSD SUB-SURFACE DRAIN SQ. SQUARE FEET R. RADIUS VAR. VARIABLE WIDTH RDE REGULATED DRAINAGE EASEMENT MBFF MINIMUM BASEMENT FINISH FLOOR MLAG MINIMUM LOWEST ADJACENT GRADE (132) SANITARY STR. LABEL (132) STORM STR. LABEL EMERGENCY FLOOD ROUTE FLOW DIRECTION RIGHT-OF-WAY ADA RAMP STORM SEWER, CONC. END SECTION, CURB INLET, YARD INLET, MANHOLE 6" SSD (UNLESS DENOTED OTHERWISE) SANITARY SEWER, MANHOLE, LATERAL AERATOR |
|---|--|---|



811
 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.

10505 N. College Avenue
 Indianapolis, Indiana 46280
 weithe.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

DATE	BY	PROJECT NO.	REV
06/09/2020	ME	W170032-4	1
08/20/2020	SES	DWG NAME:	2
06/14/2021	OK	DESIGNED BY:	3
		DRAWN BY:	4
		CHECKED BY:	5
		DATE:	6

REVISIONS AND ISSUES

REVISIONS PER TAG COMMENTS	DATE
REVISIONS PER SMC COMMENTS	06/10/2021

DIANE A. SHARRER
 No. 890258
 STATE OF INDIANA
 PROFESSIONAL ENGINEER
Duane A. Sharrer
 DUANE A. SHARRER P.E. 890258

PREPARED FOR:
THE ENCLAVE AT VERMILLION
SECTION FIVE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 DEVELOPMENT PLAN/MASS GRADING
 Part of the S.F. 58 (1/4 of Section 8, Township 17 North, Range 6 East, Pad Creek Township, Hamilton County, Indiana)

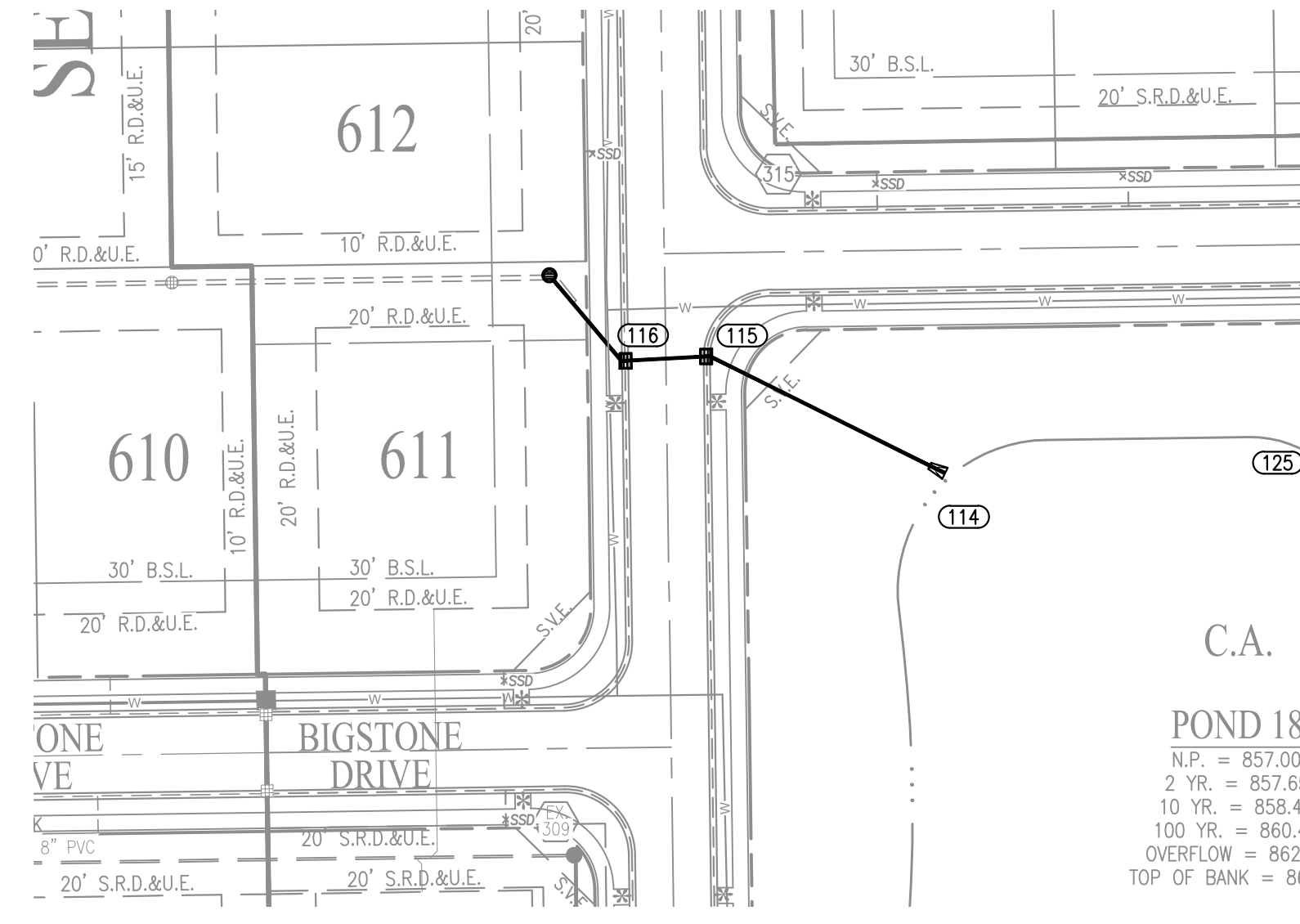
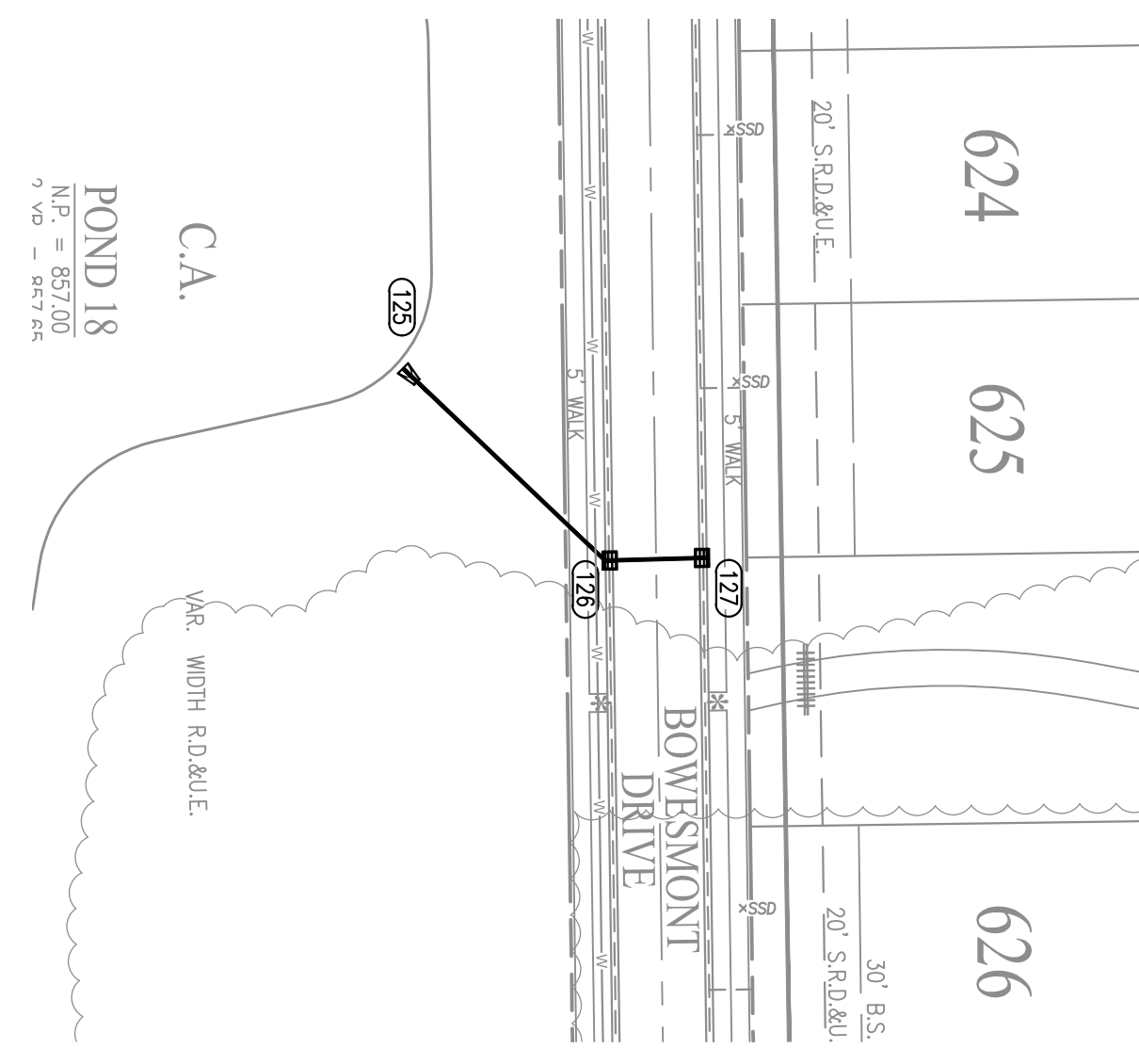
SHEET NO.
C301

PROJECT NO.
 W170032-5

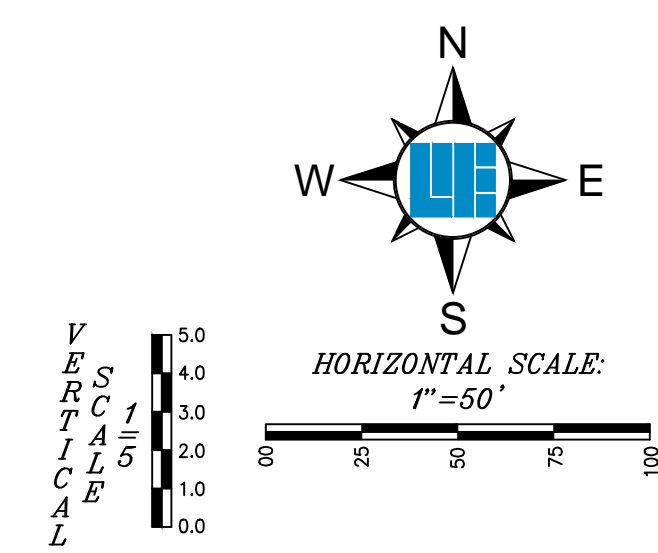
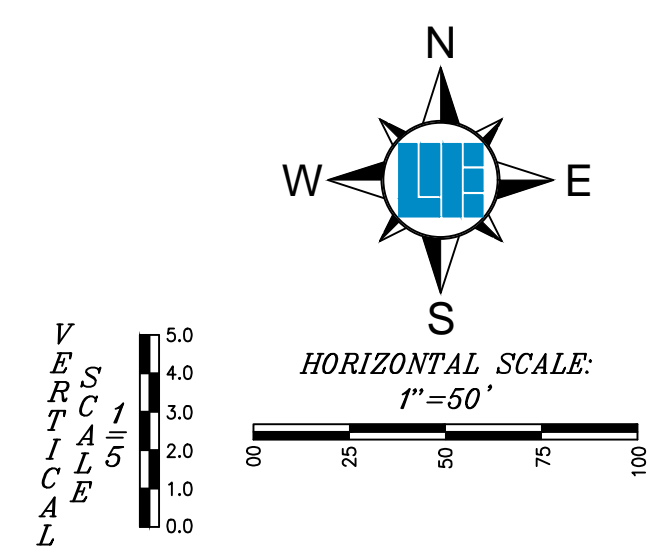
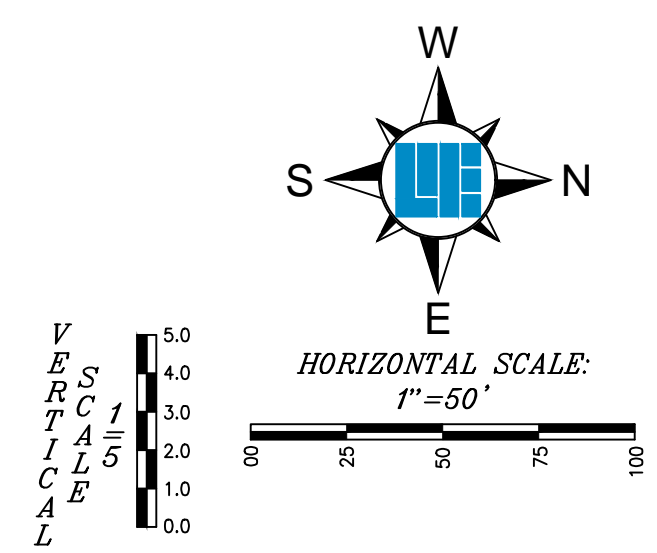
LOCATION: H:\2017\W170032\Section 5\Engineering\submittals\AB Consent\AB C300 Development Plan.dwg
 DATE: 7/12/2021 10:51 AM
 PLOTTED BY: Verming

LEGEND

- FO FIBER OPTIC
- SAN SANITARY SEWER, MANHOLE
- SM SANITARY STUB MARKER
- SSD STORM SEWER, HEADWALL, CURB INLET, MANHOLE, ROUND INLET, SQUARE INLET
- C GAS, VALVE
- WATER, FIRE HYDRANT, WELL, METER, VALVE
- UNDERGROUND ELECTRIC, PEDESTAL, TRANSFORMER
- OHU OVERHEAD UTILITY, GUY WIRE, POLE, PEDESTAL
- BF BOARD FENCE
- POST
- MAIL BOX
- BOLLARD
- TEMPORARY BENCH MARK
- T.C. TOP OF CASTING
- INV. INVERT
- RCP REINFORCED CONC. PIPE
- CMP 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
- CONC. CONCRETE
- LP LOW POINT
- HP HIGH POINT
- ME MATCH EXISTING
- TYP. TYPICAL
- LAT. LATERAL
- BSL BUILDING SETBACK LINE
- SSD SUB-SURFACE DRAIN
- AC ACRE
- SF SQUARE FEET
- R. RADIUS
- VAR. VARIABLE WIDTH
- ROE REGULATED DRAINAGE EASEMENT
- MBF MINIMUM BASEMENT FINISH FLOOR
- MLAG MINIMUM LOWEST ADJACENT GRADE
- SANITARY STR. LABEL
- 132 STORM STR. LABEL
- RIGHT-OF-WAY
- SPACE BASED ON PIPE SIZE
- ADA RAMP
- STORM SEWER, CONC. END SECTION, CURB INLET, YARD INLET, MANHOLE
- SWALE
- 6" SSD (UNLESS DENOTED OTHERWISE)
- SANITARY SEWER, MANHOLE, LATERAL

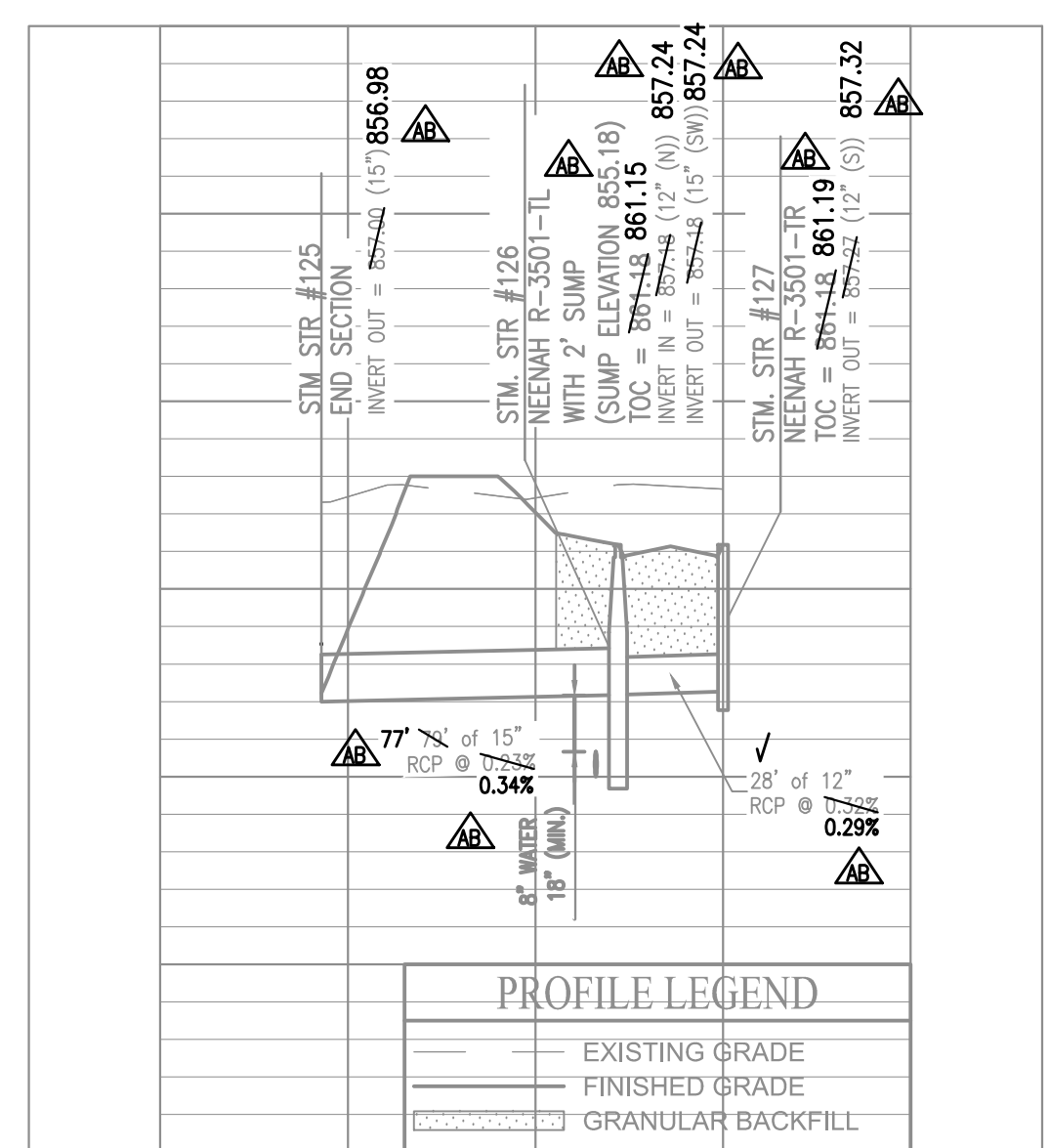


RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 7/12/2021
 Duane A. Sharrer
 DUANE A. SHARRER P.E. 890258

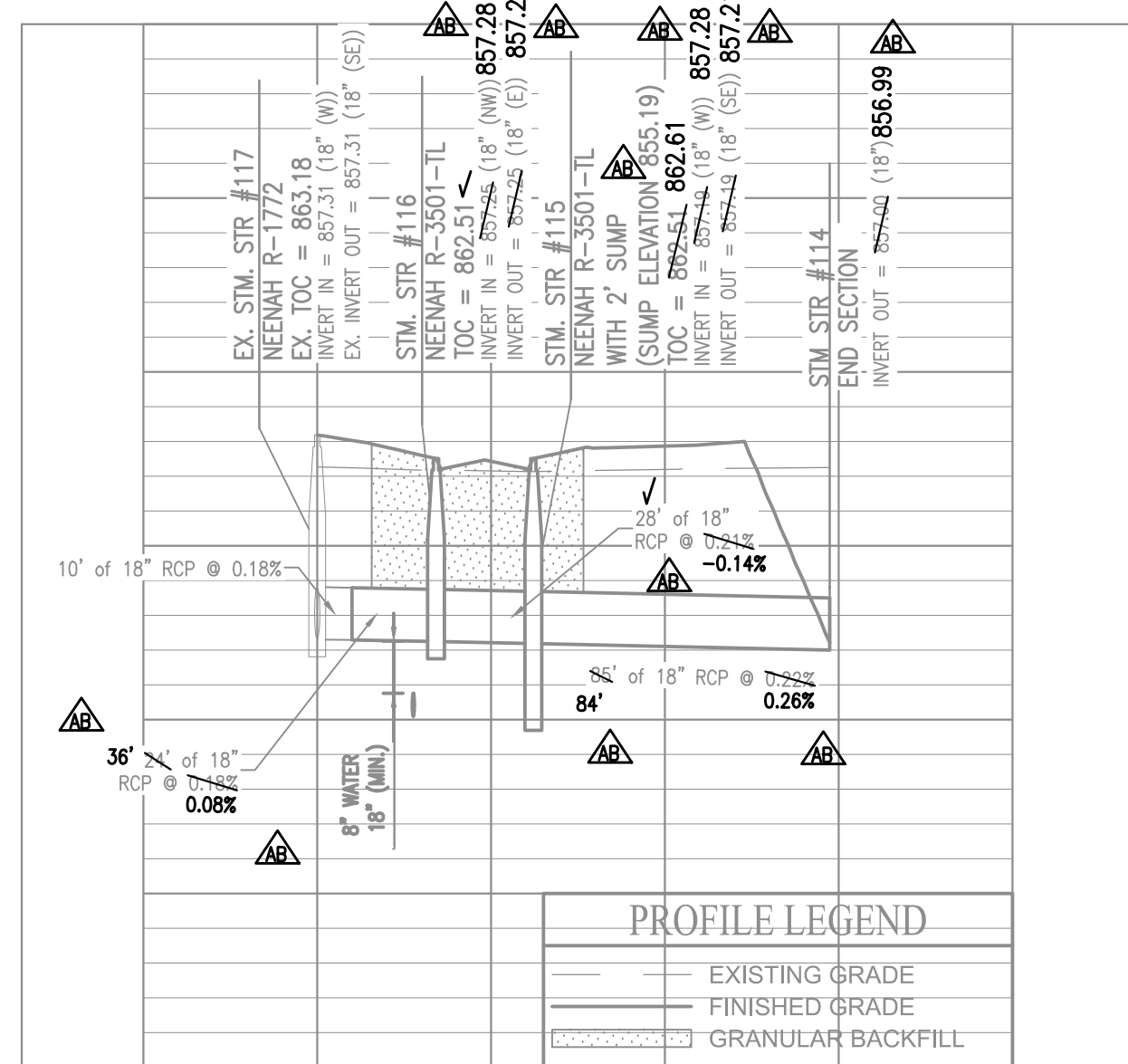


AS-BUILT INFORMATION
 BUILT AS PLANNED
 DATE OF LAST FIELDWORK: 6/14/2021

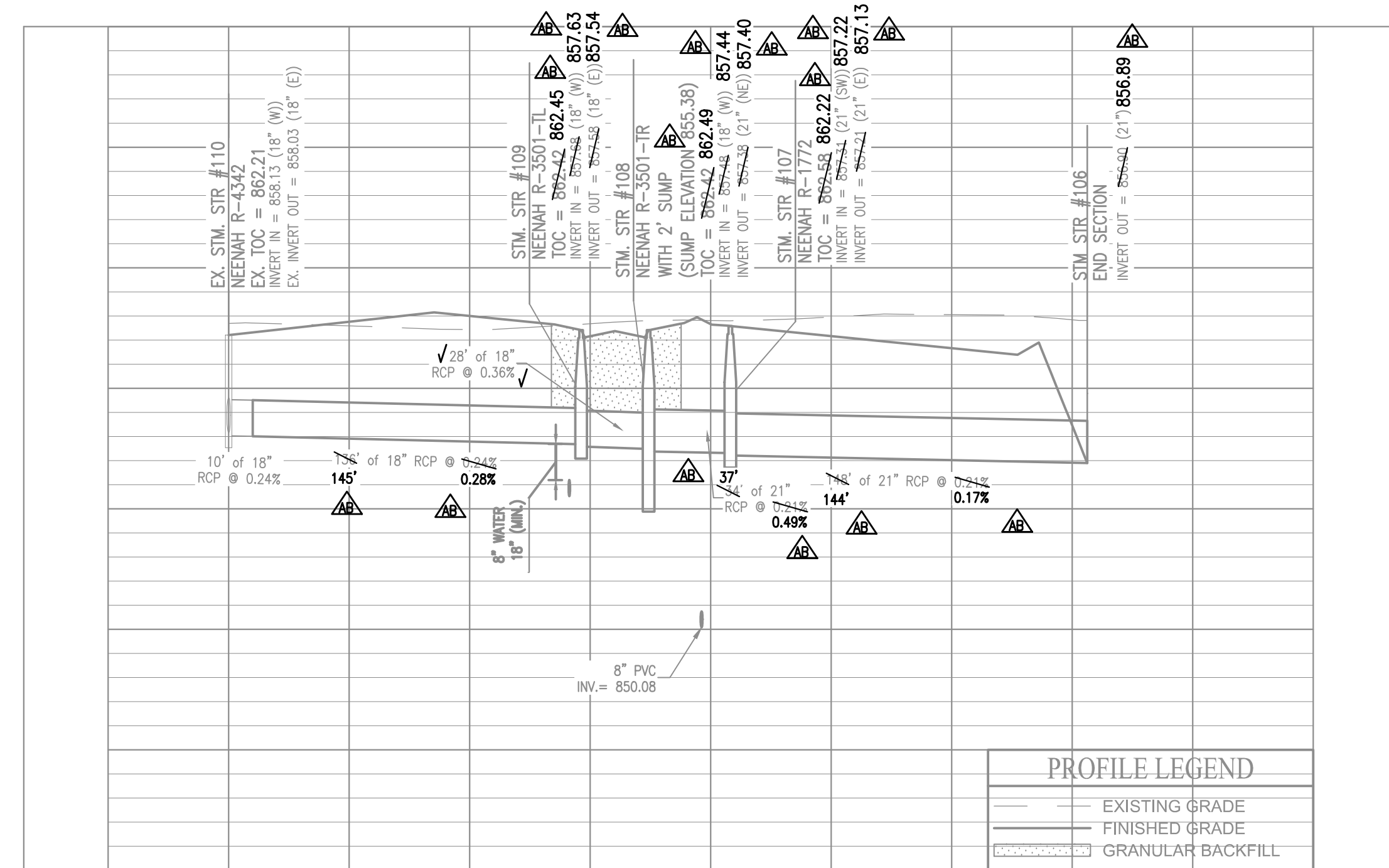
NOTES:
 1. EXCEPT FOR FORCE MAINS, CONTRACTOR TO INSTALL CONCRETE GRABLES WHEN THE VERTICAL SEPARATION (AS MEASURED FROM THE EXTERIOR OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES AND STORM SEWERS IS 18" OR LESS.



PROFILE LEGEND
 EXISTING GRADE
 FINISHED GRADE
 GRANULAR BACKFILL



PROFILE LEGEND
 EXISTING GRADE
 FINISHED GRADE
 GRANULAR BACKFILL



PROFILE LEGEND
 EXISTING GRADE
 FINISHED GRADE
 GRANULAR BACKFILL



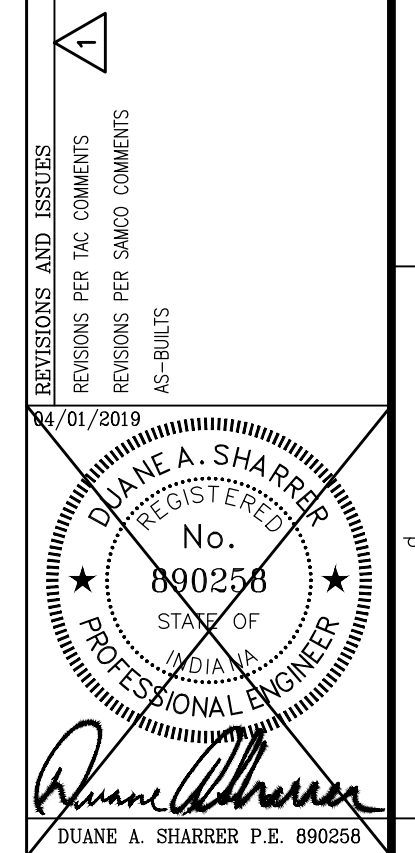
Know what's below.
 Call before you dig.

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.

10505 N. College Avenue
 Indianapolis, Indiana 46280
 weithe.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.	W170032-4
DWG. NAME	SECTION FIVE
DESIGNED BY	AS
DRAWN BY	AS
CHECKED BY	AS
DATE	06/14/2021

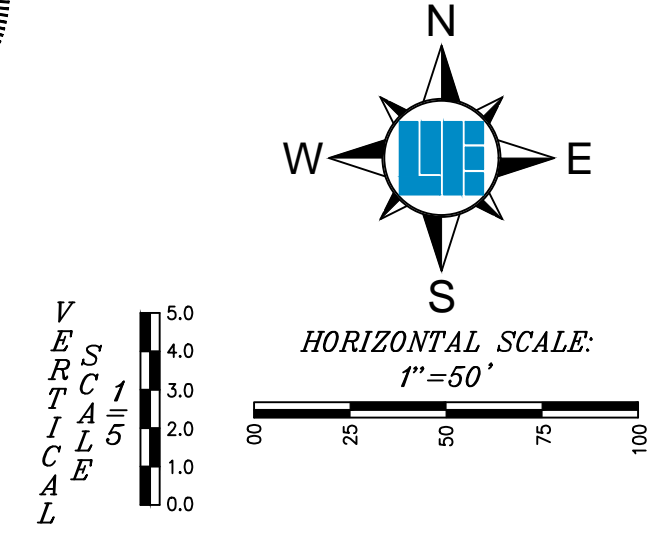
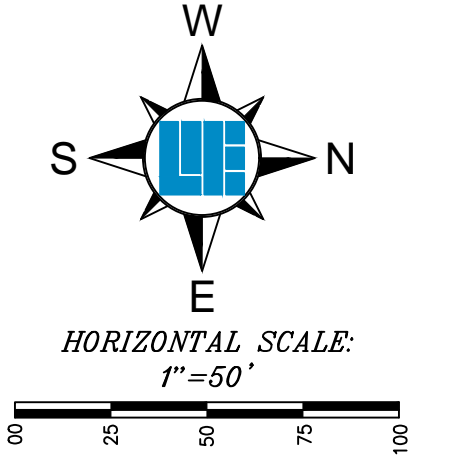
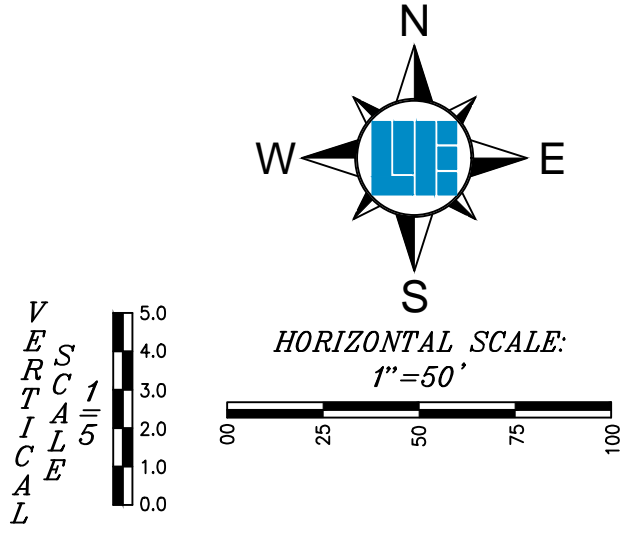
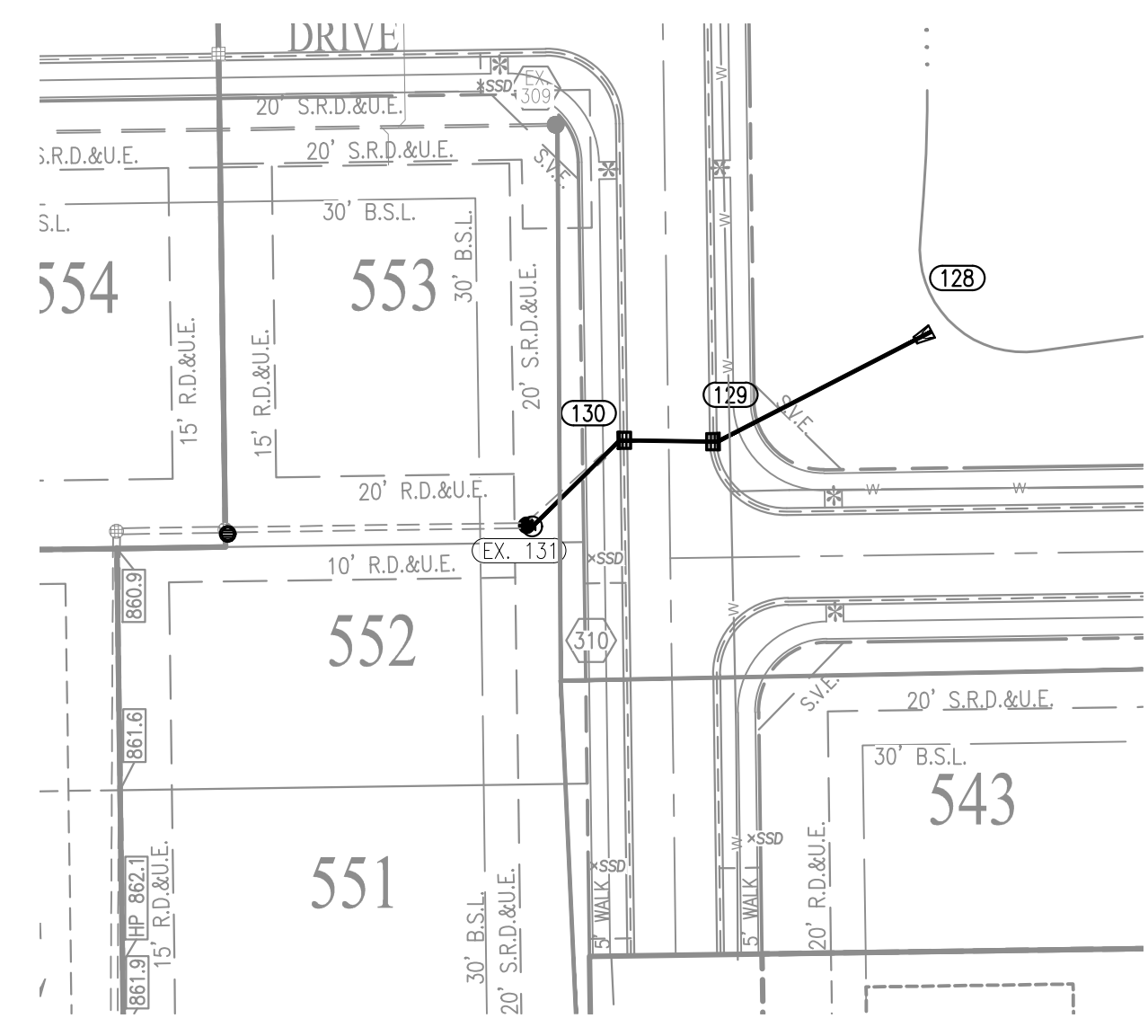
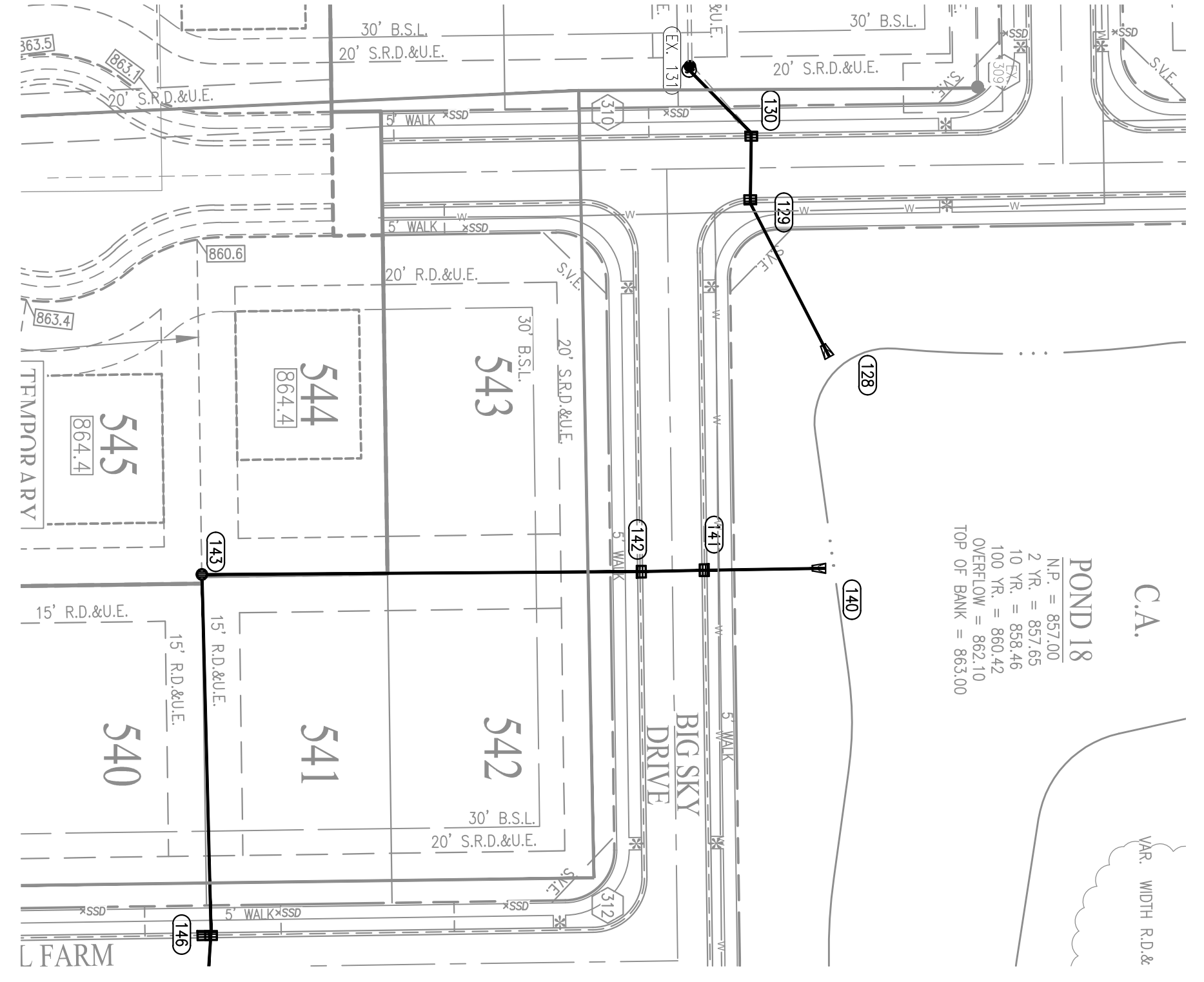
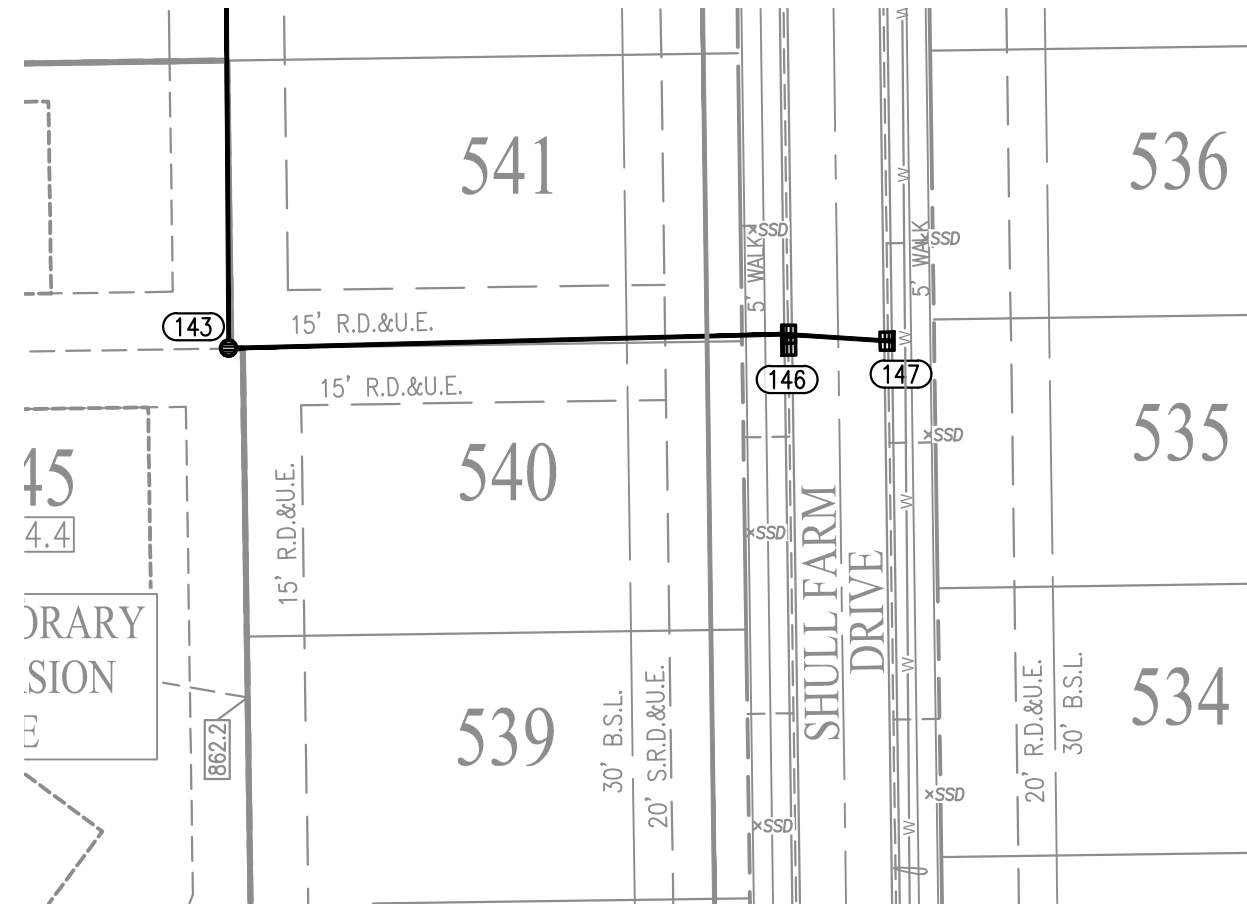


PREPARED FOR:
THE ENCLAVE AT VERMILLION
SECTION FIVE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 STORM SEWER PLAN & PROFILE
 Part of the S.W.S.E. 1/4 of Section 8, Township 17 North, Range 6 East, Pad. Creek Township, Hamilton County, Indiana

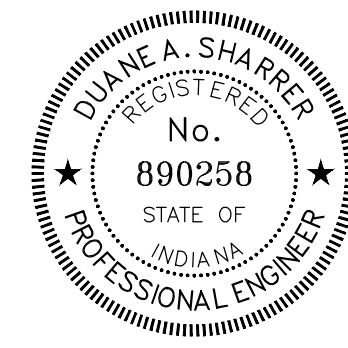
SHEET NO.
C600
 PROJECT NO.
 W170032-5

LEGEND

- FO FIBER OPTIC
- SAN SANITARY SEWER, MANHOLE
- SM SANITARY STUB MARKER
- SSW STORM SEWER, HEADWALL
- RI ROUND INLET, MANHOLE
- RI ROUND INLET, SQUARE INLET
- GV GAS VALVE
- WF WATER, FIRE HYDRANT, WELL, METER, VALVE
- UE UNDERGROUND ELECTRIC, PEDESTAL, TRANSFORMER
- OHU OVERHEAD UTILITY, GUY WIRE, POLE, PEDESTAL
- BF BOARD FENCE
- FF FARM FENCE
- POST POST
- SB SIGN
- MB MAIL BOX
- BOLLARD BOLLARD
- TEMPORARY BENCH MARK TOP OF CASTING
- INV. INVERT
- RCP REINFORCED CONC. PIPE
- CMF 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
- TYP. TYPICAL
- LAT. LATERAL
- B.S.L. BUILDING SETBACK LINE
- SSD SUB-SURFACE DRAIN
- ACR ACRE
- SF SQUARE FEET
- R. RADIUS
- VAR. VARIABLE WIDTH
- RDE REGULATED DRAINAGE EASEMENT
- MBF MINIMUM BASEMENT FINISH FLOOR
- MLG MINIMUM LOWEST ADJACENT GRADE
- STR. STR. LABEL
- 132 STORM STR. LABEL
- RIGHT-OF-WAY
- ADA RAMP
- STORM SEWER, CONC. END SECTION, CURB INLET, YARD INLET, MANHOLE
- SWALE
- 6" SSD (UNLESS DENOTED OTHERWISE)
- SANITARY SEWER, MANHOLE, LATERAL



RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 7/12/2021
 Duane A. Sharrer
 DUANE A. SHARRER P.E. 890258

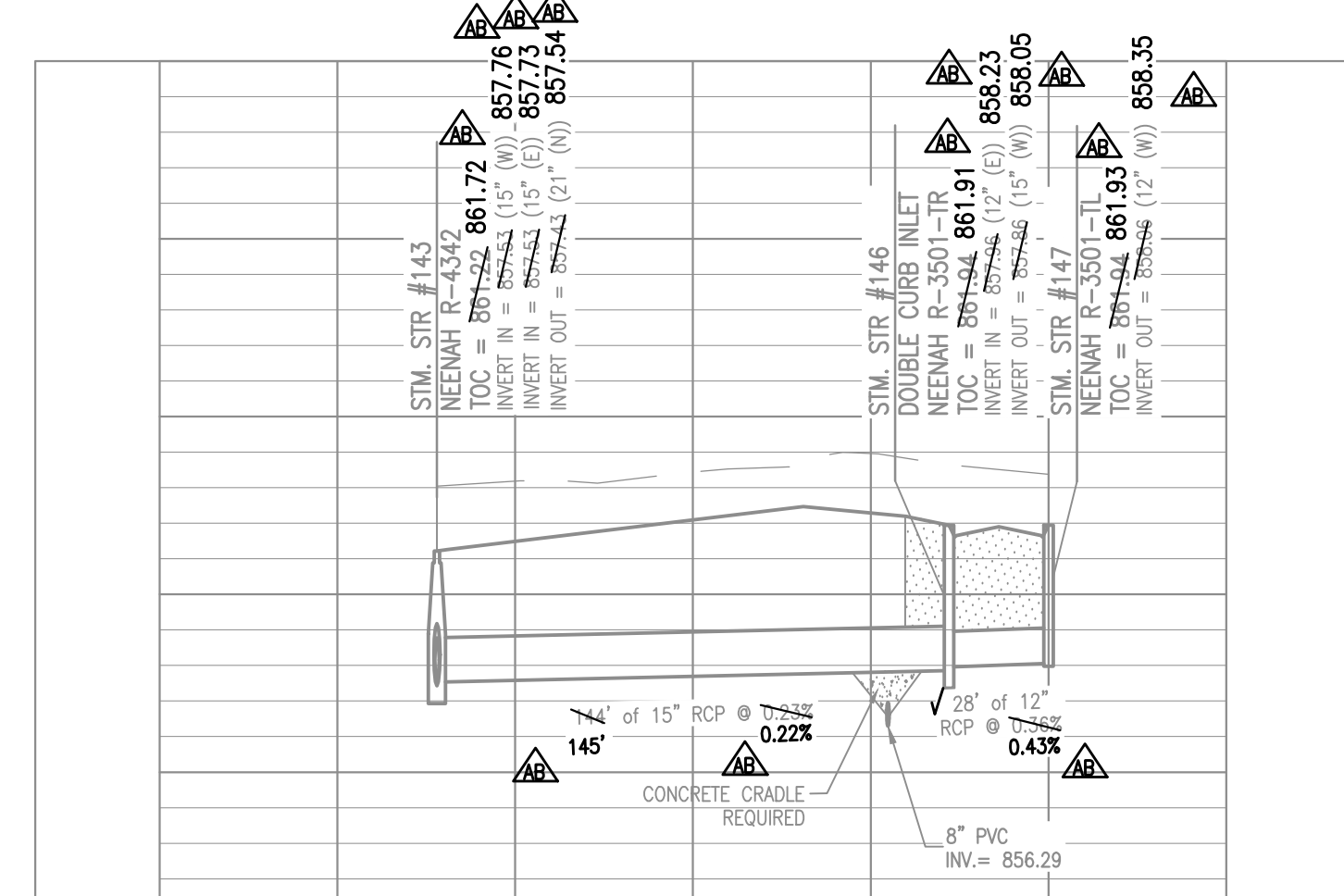


- ASBUILT INFORMATION
- BUILT AS PLANNED
- DATE OF LAST FIELDWORK: 6/14/2021

NOTES:

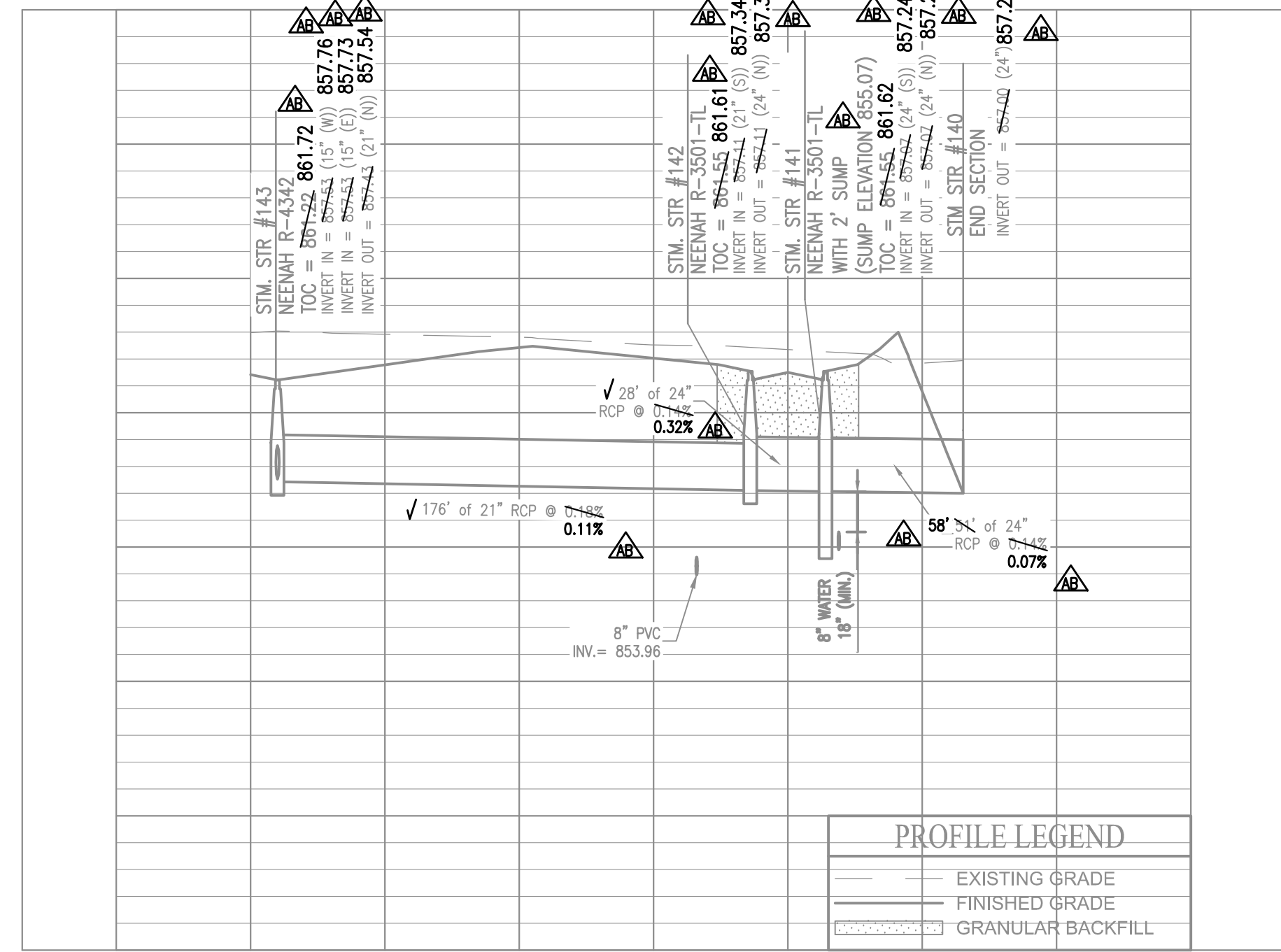
- EXCEPT FOR FORCE MAINS, CONTRACTOR TO INSTALL CONCRETE CRACKLES WHEN THE VERTICAL SEPARATION (AS MEASURED FROM THE EXTERIOR OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES AND STORM SEWERS IS 18" OR LESS.

STORM 147



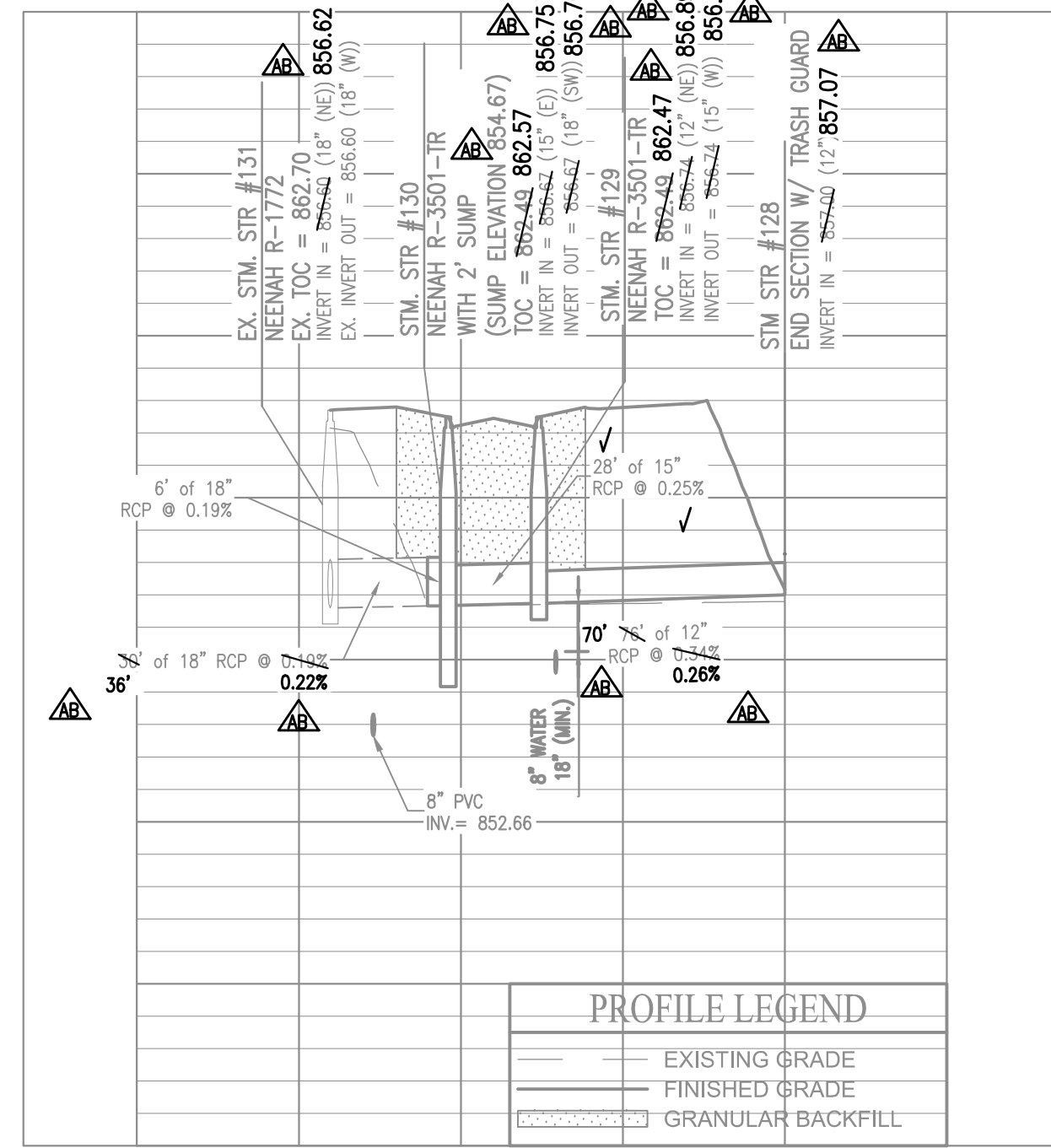
PROFILE LEGEND

	EXISTING GRADE
	FINISHED GRADE
	GRANULAR BACKFILL



PROFILE LEGEND

	EXISTING GRADE
	FINISHED GRADE
	GRANULAR BACKFILL



PROFILE LEGEND

	EXISTING GRADE
	FINISHED GRADE
	GRANULAR BACKFILL



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.

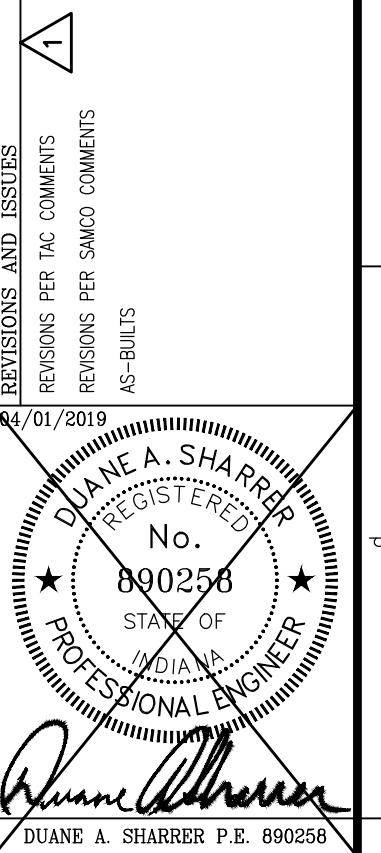
PREPARED FOR:
THE ENCLAVE AT VERMILLION
SECTION FIVE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 STORM SEWER PLAN & PROFILE
 Part of the SR 58 1/4 of Sections 8, Township 17 North, Range 6 East, Paul, Crank Township, Hamilton County, Indiana

SHEET NO.
C601
 PROJECT NO.
 W170032-5

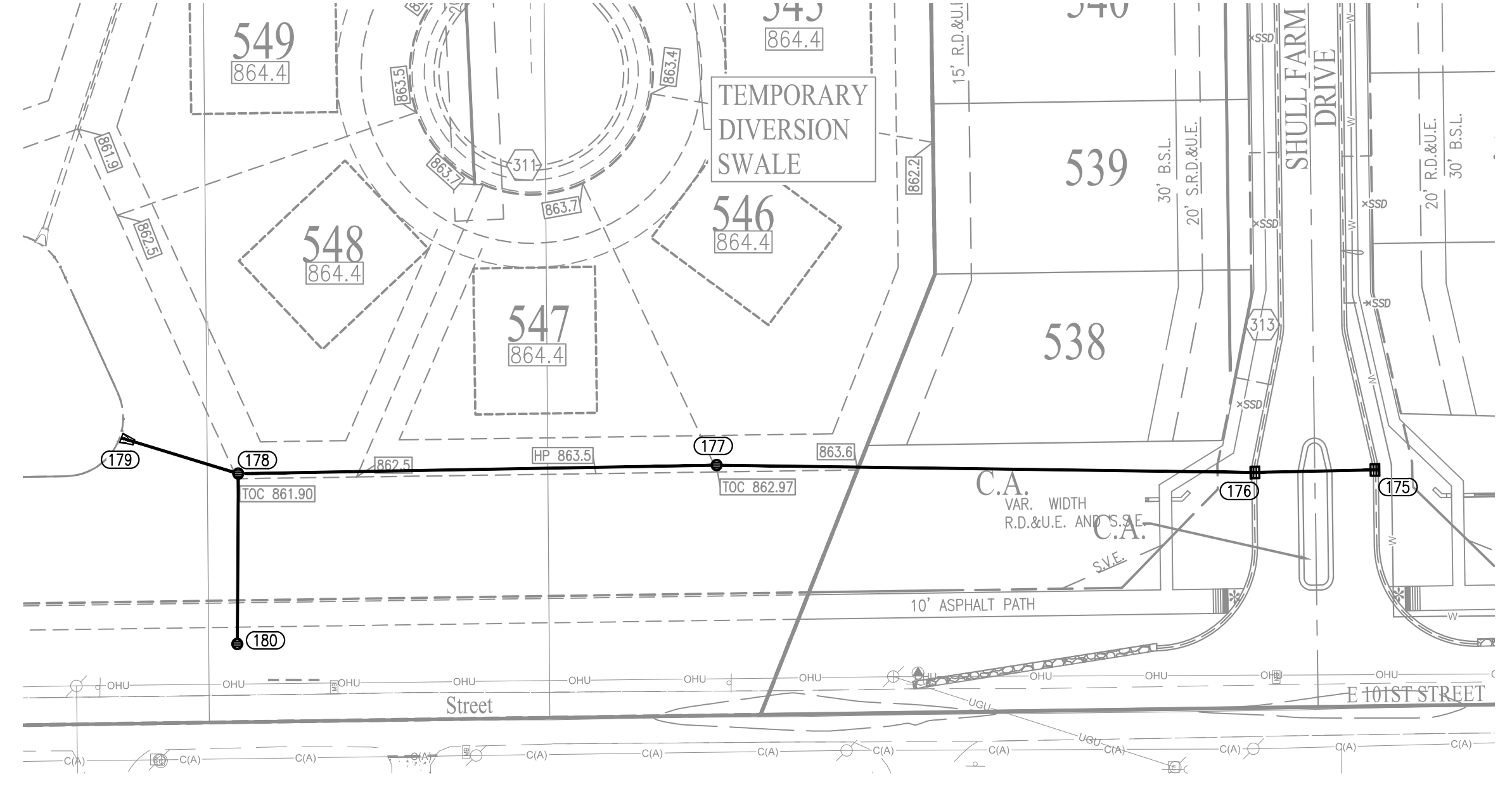
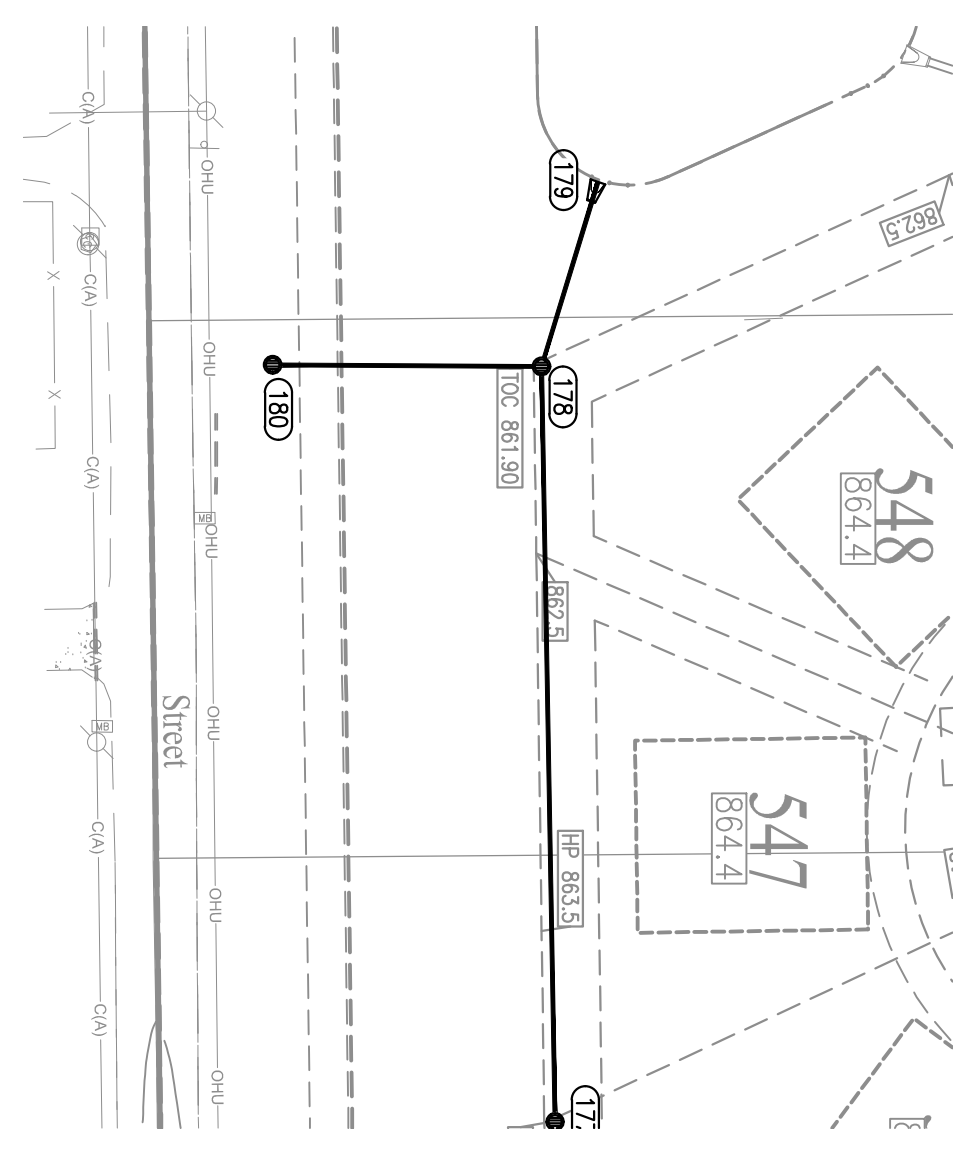
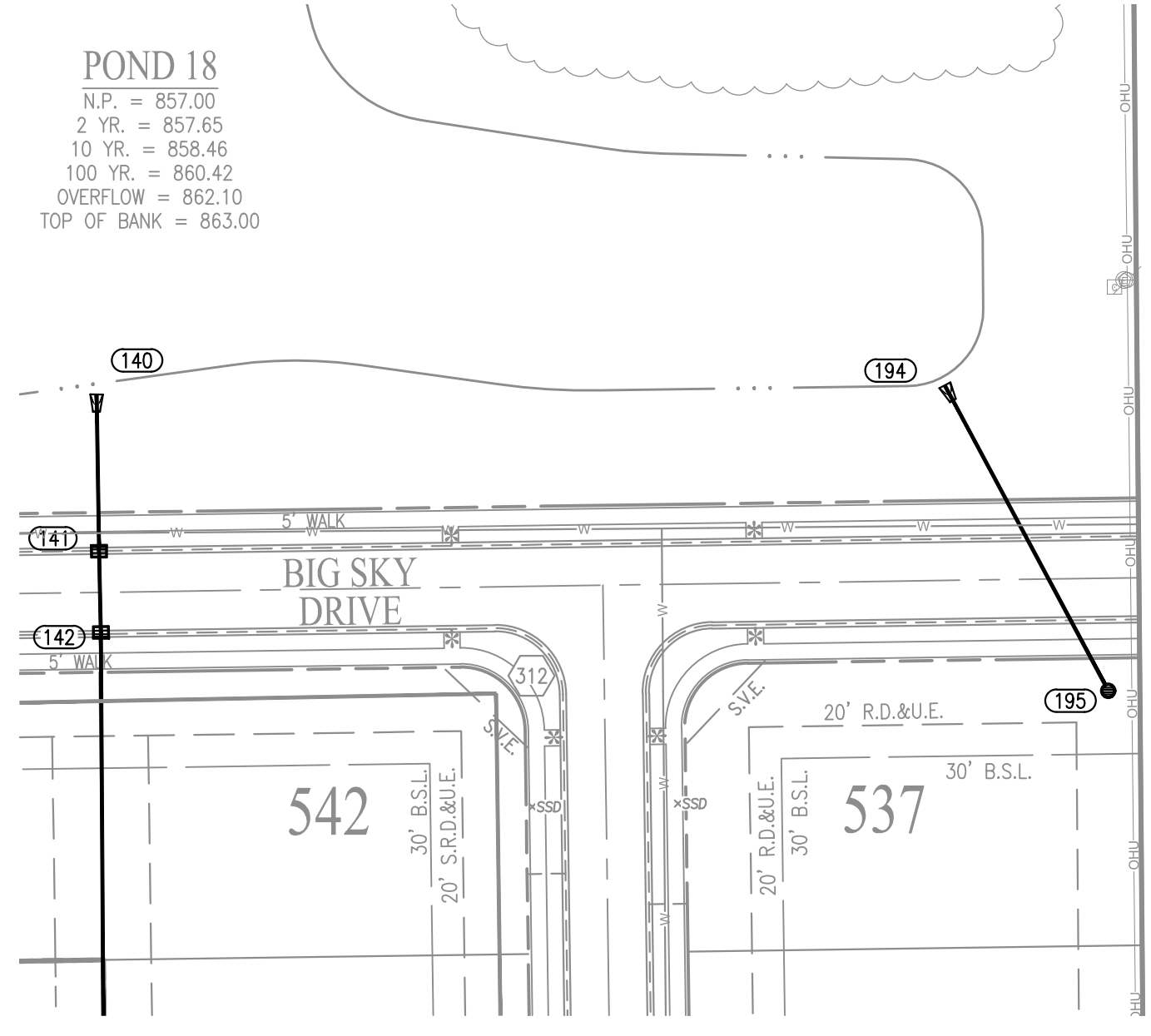
10505 N. College Avenue
 Indianapolis, Indiana 46280
 weithe.net
 317 | 846 - 6611
 800 | 452 - 6408
 317 | 843 - 0546/fax
 ALLAN H. WEIHE, P.E., L.S. - FOUNDER

WEIHE ENGINEERS
 Land Surveying | Civil Engineering
 Landscape Architecture

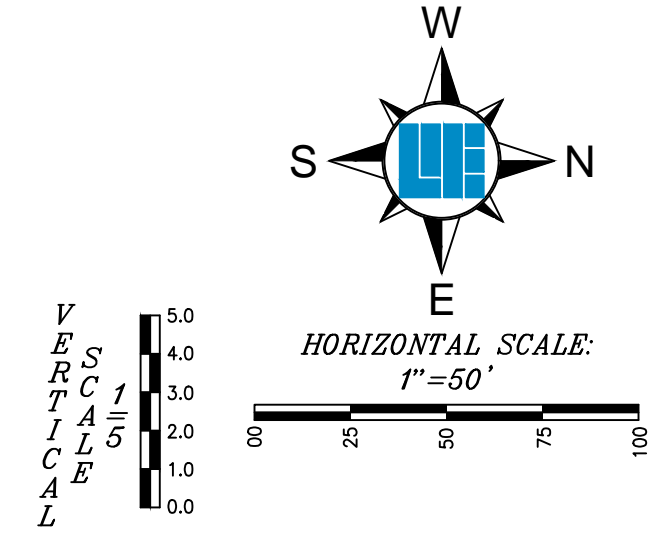
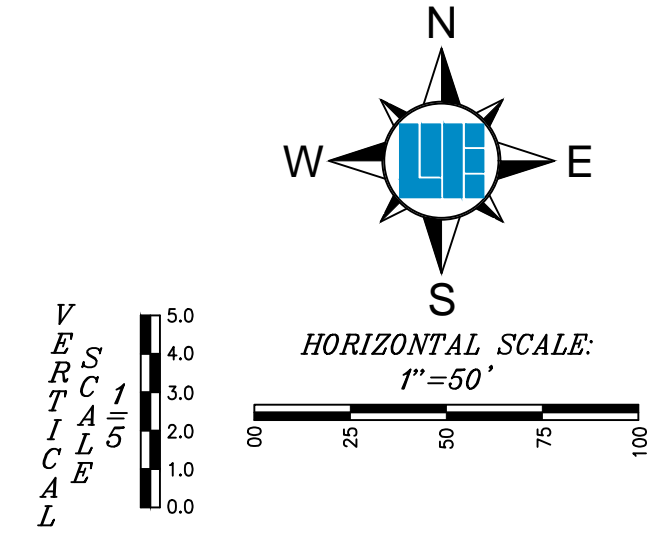
DATE	BY	PROJECT NO.	NO.
06/09/2020	MS	W170032-4	4
08/20/2020	SS		
06/14/2021	OK		
DESIGNED BY:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
MS	SS	MS	DAS
DATE:	DATE:	DATE:	DATE:
06/14/2021	06/14/2021	06/14/2021	06/14/2021



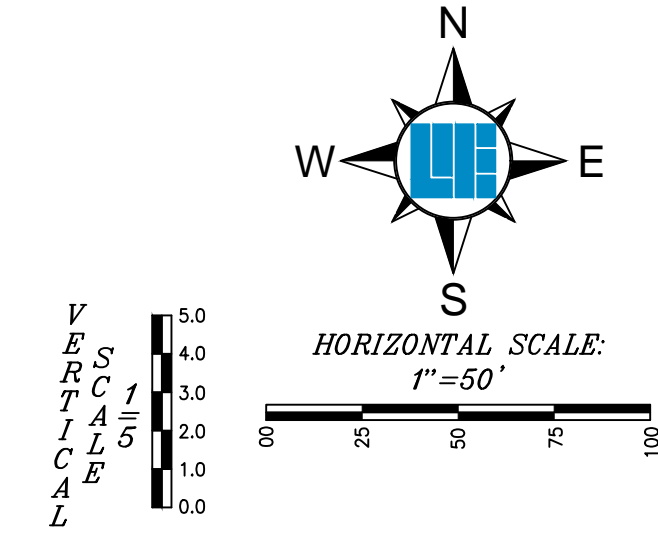
POND 18
 N.P. = 857.00
 2 YR. = 857.65
 10 YR. = 858.46
 100 YR. = 860.42
 OVERFLOW = 862.10
 TOP OF BANK = 863.00



- LEGEND**
- FO FIBER OPTIC
 - SAN SANITARY SEWER, MANHOLE
 - SM SANITARY STUB MARKER
 - SSW STORM SEWER, HEADWALL
 - RI ROUND INLET, MANHOLE
 - SI SQUARE INLET
 - GV GAS VALVE
 - WF WATER, FIRE HYDRANT, WELL, METER, VALVE
 - UE UNDERGROUND ELECTRIC, PEDESTAL, TRANSFORMER
 - OHU OVERHEAD UTILITY, GUY WIRE, POLE, PEDESTAL
 - BF BOARD FENCE
 - FF FARM FENCE
 - P POST
 - SB SIGN
 - MB MAIL BOX
 - B BOLLARD
 - TM TEMPORARY BENCH MARK
 - TC TOP OF CASTING
 - INV INVERT
 - RCP REINFORCED CONC. PIPE
 - OMP 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
 - TYP. TYPICAL
 - LAT. LATERAL
 - B.S.L. BUILDING SETBACK LINE
 - SSD SUB-SURFACE DRAIN
 - AC ACRE
 - SF SQUARE FEET
 - R. RADIUS
 - VAR. VARIABLE WIDTH
 - RDE REGULATED DRAINAGE EASEMENT
 - MEFT MINIMUM EASEMENT FINISH FLOOR
 - MLAG MINIMUM LOWEST ADJACENT GRADE
 - SSW SANITARY STR. LABEL
 - 132 STORM STR. LABEL
 - RIGHT-OF-WAY
 - ADA RAMP
 - STORM SEWER, CONC. END SECTION, CURB INLET, YARD INLET, MANHOLE
 - SWALE
 - 6" SSD (UNLESS DENOTED OTHERWISE)
 - SANITARY SEWER, MANHOLE, LATERAL



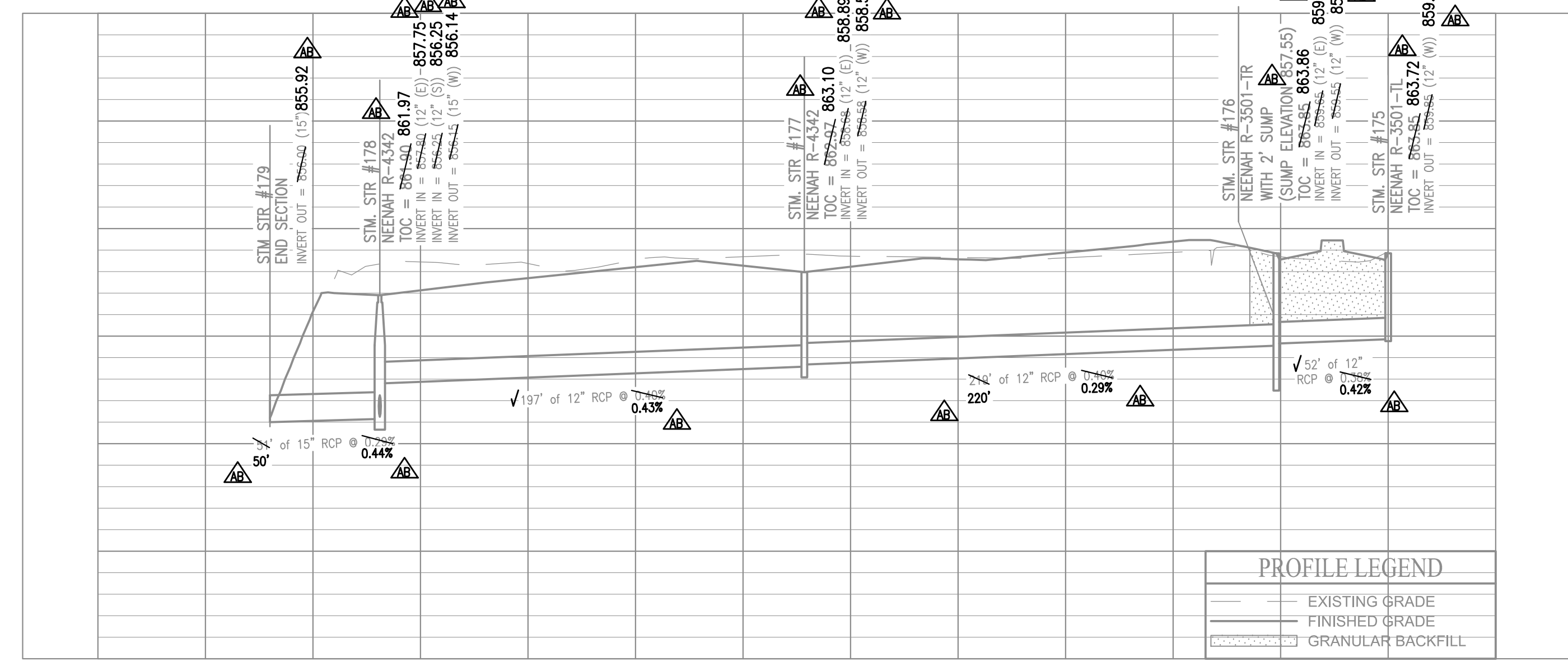
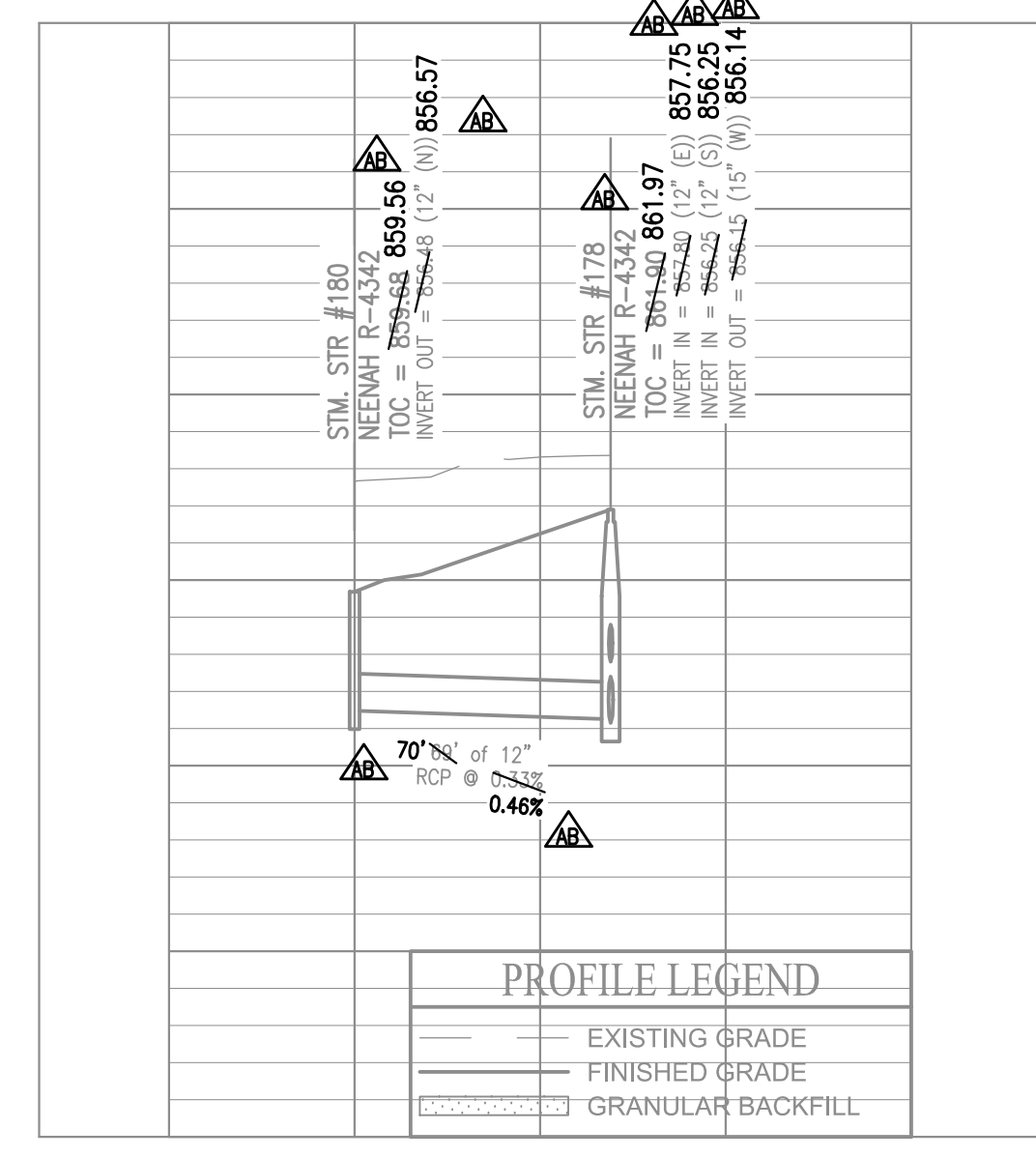
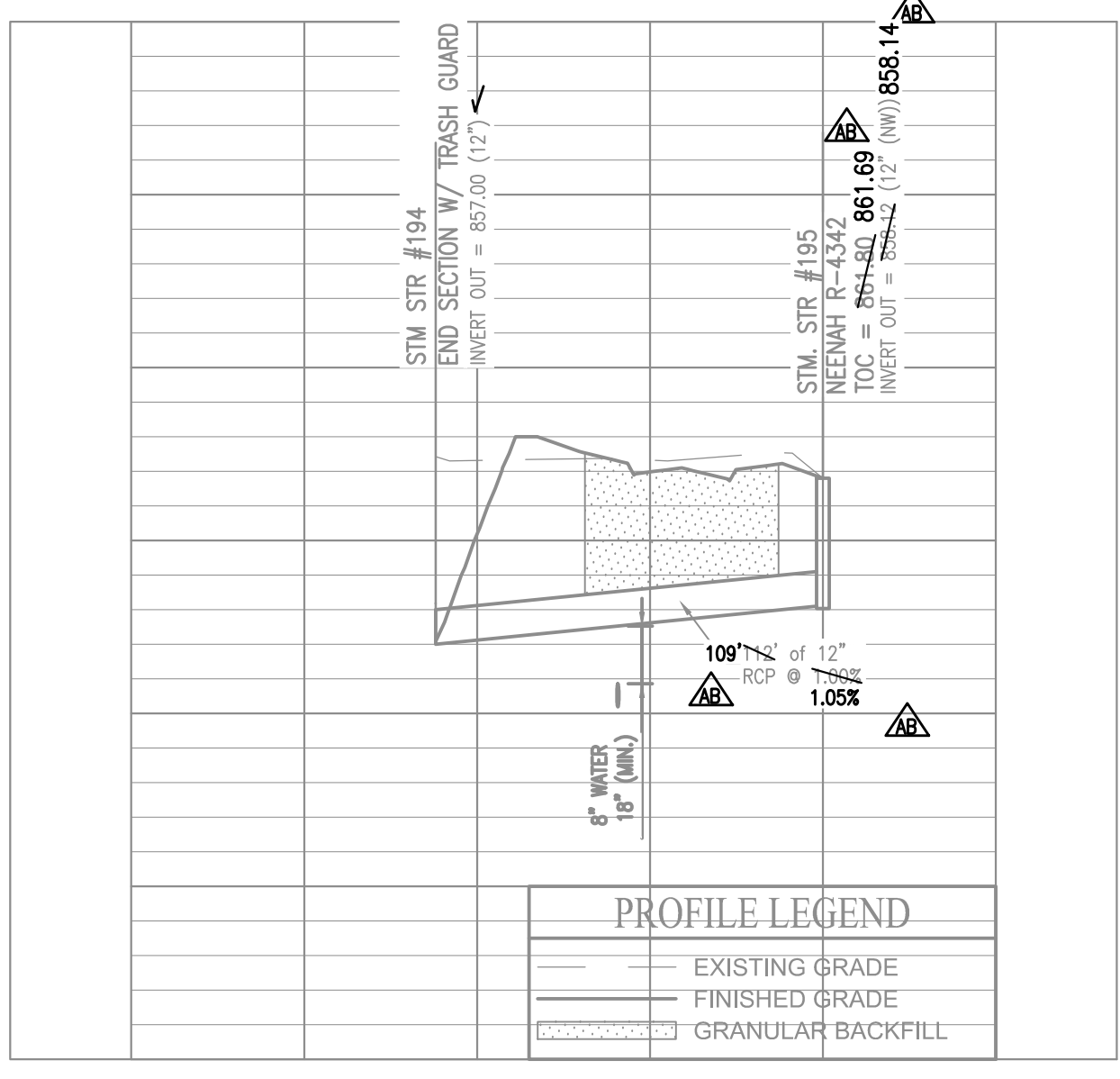
RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 7/12/2021
 Duane A. Sharrer
 DUANE A. SHARRER P.E. 890258



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.

- △ - AS-BUILT INFORMATION
 - ✓ - BUILT AS PLANNED
- DATE OF LAST FIELDWORK: 6/14/2021



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.

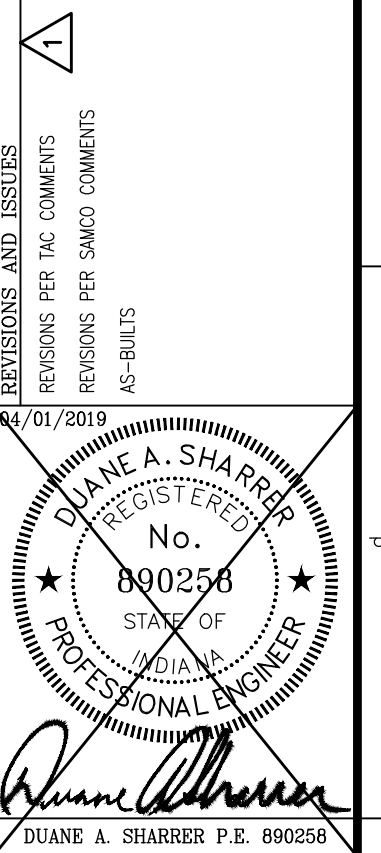
PREPARED FOR:
THE ENCLAVE AT VERMILLION
SECTION FIVE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 STORM SEWER PLAN & PROFILE
 Part of the S.W. 1/4 of Section 8, Township 17 North, Range 6 East, Pad. Creek Township, Hamilton County, Indiana

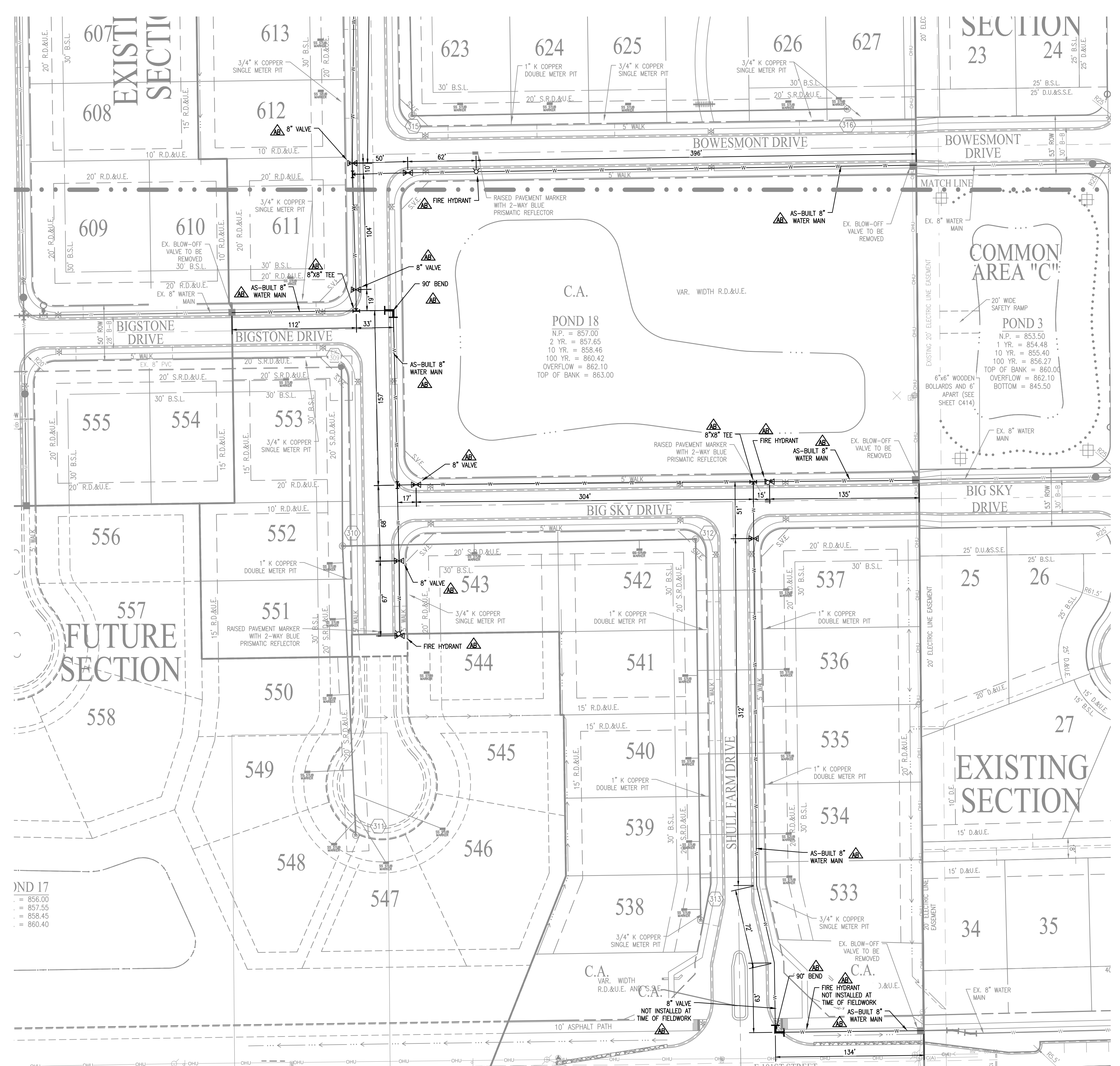
SHEET NO.
C602
 PROJECT NO.
 W170032-5

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

WEIHE ENGINEERS
 Land Surveying | Civil Engineering
 Landscape Architecture

PROJECT NO.	W170032-4
DWG. NAME	SS
DESIGNED BY	AS
DRAWN BY	AM
CHECKED BY	DAS
DATE	04-01-2019





LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING HYDRANT WITH HYDRANT VALVE
- HYDRANT WITH HYDRANT VALVE
- VALVE
- TEE
- CROSS
- REDUCER
- DUCTILE IRON PIPE
- 1" TYPE K COPPER OR POLY W/ DOUBLE METER PIT
- 3/4" TYPE K COPPER OR POLY W/ SINGLE METER PIT
- WATER LATERAL AS-BUILT LOCATION

LEGEND

- FIBER OPTIC
- SANITARY SEWER, MANHOLE
- SANITARY STUB MARKER
- STORM SEWER, HEADWALL, CURB INLET, MANHOLE, ROUND INLET, SQUARE INLET
- GAS, VALVE
- POST
- WATER, FIRE HYDRANT, WELL, METER, VALVE
- UNDERGROUND ELECTRIC, PEDESTAL, TRANSFORMER
- OVERHEAD UTILITY, GUY WIRE, POLE, PEDESTAL
- BOARD FENCE
- FARM FENCE
- MAIL BOX
- MAIL BOLLARD
- TEMPORARY BENCH MARK
- T.C. TOP OF CASTING
- INV. INVERT
- RCP REINFORCED CONC. PIPE
- CMP 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
- TY TYPICAL
- LAT. LATERAL
- BSL BUILDING SETBACK LINE
- SSD SUB-SURFACE DRAIN
- AC ACRE
- SF SQUARE FEET
- R. RADIUS
- VAR. VARIABLE WIDTH
- ROE REGULATED DRAINAGE EASEMENT
- MBF MINIMUM BASEMENT FINISH FLOOR
- MLAG MINIMUM LOWEST ADJACENT GRADE
- (132) SANITARY STR. LABEL
- (132) STORM STR. LABEL
- RIGHT-OF-WAY
- ADA RAMP
- SPACE BASED ON PIPE SIZE
- STORM SEWER, CONC. END SECTION, CURB INLET, YARD INLET, MANHOLE
- SWALE
- 6" SSD (UNLESS DENOTED OTHERWISE)
- SANITARY SEWER, MANHOLE, LATERAL

- WATER MAIN NOTES:**
1. ALL FIRE HYDRANTS SHALL BE PAINTED PER FORTVILLE SPECIFICATIONS AND STANDARDS.
 2. FIRE HYDRANTS SHALL HAVE 5 INCH STORZ'S CONNECTION (APPROVED BY FISHERS FIRE DEPARTMENT).
 3. IF WATER MAIN IS 12 INCHES OR SMALLER, THEN C900 PIPE CAN BE USED.
 4. MAIN SHALL BE BEDDED WITH SAND 6 INCHES UNDER AND 12 INCHES OVER THE PIPE WITH MARKING TAPE INSTALLED 2 FEET ABOVE THE WATER MAIN.
 5. NUMBER TEN (#10) GAUGE LOCATING WIRE SHALL BE TAPED TO THE TOP OF THE MAIN AND PULLED THROUGH ALL VALVE BOXES (TO THE SURFACE) FOR LOCATING PURPOSES.
 6. IF DUCTILE PIPE IS USED, THE MAIN MUST BE POLY WRAPPED.
 7. CONTRACTOR MUST PROVIDE REDLINE 'AS-BUILT' MARK-UPS TO ENGINEER OR ALL BENDS AND TEES MUST BE LOCATED WITH 2X4 BOARD PAINTED BLUE.
 8. ALL PROPOSED ROAD CROSSINGS MUST BE FULLY BACKFILLED WITH A GRANULAR BACKFILL MATERIAL.
 9. ALL TEMPORARY FIRE HYDRANTS TO BE INSTALLED WITH VALVES.
 10. ALL VALVES MUST HAVE POSI-CAP INSTALLED AND HAVE STAINLESS STEEL STEMS.
 11. WATER MAIN MUST MEET CURRENT FORTVILLE WATER DETAILS AND SPECIFICATIONS.
 12. ALL WATER MAIN JOINTS TO BE RESTRAINED PER FORTVILLE WATER STANDARDS.
 13. WATER SERVICE LATERALS AND WATER METER PITS ARE SHOWN FOR LOCATION. ONLY WATER SERVICE LATERALS AND WATER METER PITS WILL BE INSTALLED BY THE HOME BUILDERS AT THE TIME OF THE HOUSE CONSTRUCTION.
 14. NO WATER VALVES ARE TO BE PLACED WITHIN THE LIMITS OF THE STREET.
 15. CONTRACTOR TO SUPPLY SHOP DRAWINGS TO THE TOWN OF FORTVILLE PRIOR TO CONSTRUCTION.
 16. INSTALLATION OF INDOT APPROVED SNOWPLOWABLE RAISED PAVEMENT MARKERS SHALL COMPLY WITH SECTIONS 800 & 900 OF THE MOST RECENT REVISION OF THE INDOT SPECIFICATIONS AND STANDARD DRAWINGS. UNDER NO CIRCUMSTANCE SHALL A REFLECTOR BE ATTACHED TO THE PAVEMENT SURFACE USING ONLY ADHESIVE.
 17. ALL WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 10'-0" OF SEPARATION BETWEEN THE MAIN AND SEWER STRUCTURES AND A MINIMUM OF 10'-0" OF SEPARATION BETWEEN WATER, SANITARY AND STORM PIPES.
 18. WATER TAP FEES WILL BE PAID AT THE TIME OF ACQUIRING THE BUILDING PERMIT.
 19. HYDRAULIC TESTING TO BE DONE TO ENSURE THE FIRE HYDRANTS ARE AT 1000 GPM.

NOTE: WATER METERS TO BE INSTALLED DURING HOUSE CONSTRUCTION

NOTE: NO REDLINE WATER MARKUPS WERE PROVIDED BY THE CONTRACTOR.

▲ AS-BUILT INFORMATION
 ✓ BUILT AS PLANNED
 T AS-BUILT TEE
 90° AS-BUILT 90° BEND
 H AS-BUILT FIRE HYDRANT
 V AS-BUILT WATER VALVE

RECORD DRAWING
 WATER AS-BUILTS
 WATER STRUCTURES ONLY
 7/12/2021

DUANE A. SHARRER P.E. 890258

DATE OF LAST FIELDWORK: 6/14/2021



811
 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.

SCALE: 1" = 50'

0 25 50 100

10505 N. College Avenue
 Indianapolis, Indiana 46280
 weithe.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.: W170032-4
 DWG. NAME: SCS
 DESIGNED BY: SCS
 DRAWN BY: MEN
 CHECKED BY: DAS
 DATE: 04-01-2019

REVISIONS AND ISSUES:
 REVISIONS PER TAG COMMENTS
 REVISIONS PER SMC COMMENTS
 AS-BUILTS

DIANE A. SHARRER
 REGISTERED PROFESSIONAL ENGINEER
 No. 890258
 STATE OF INDIANA

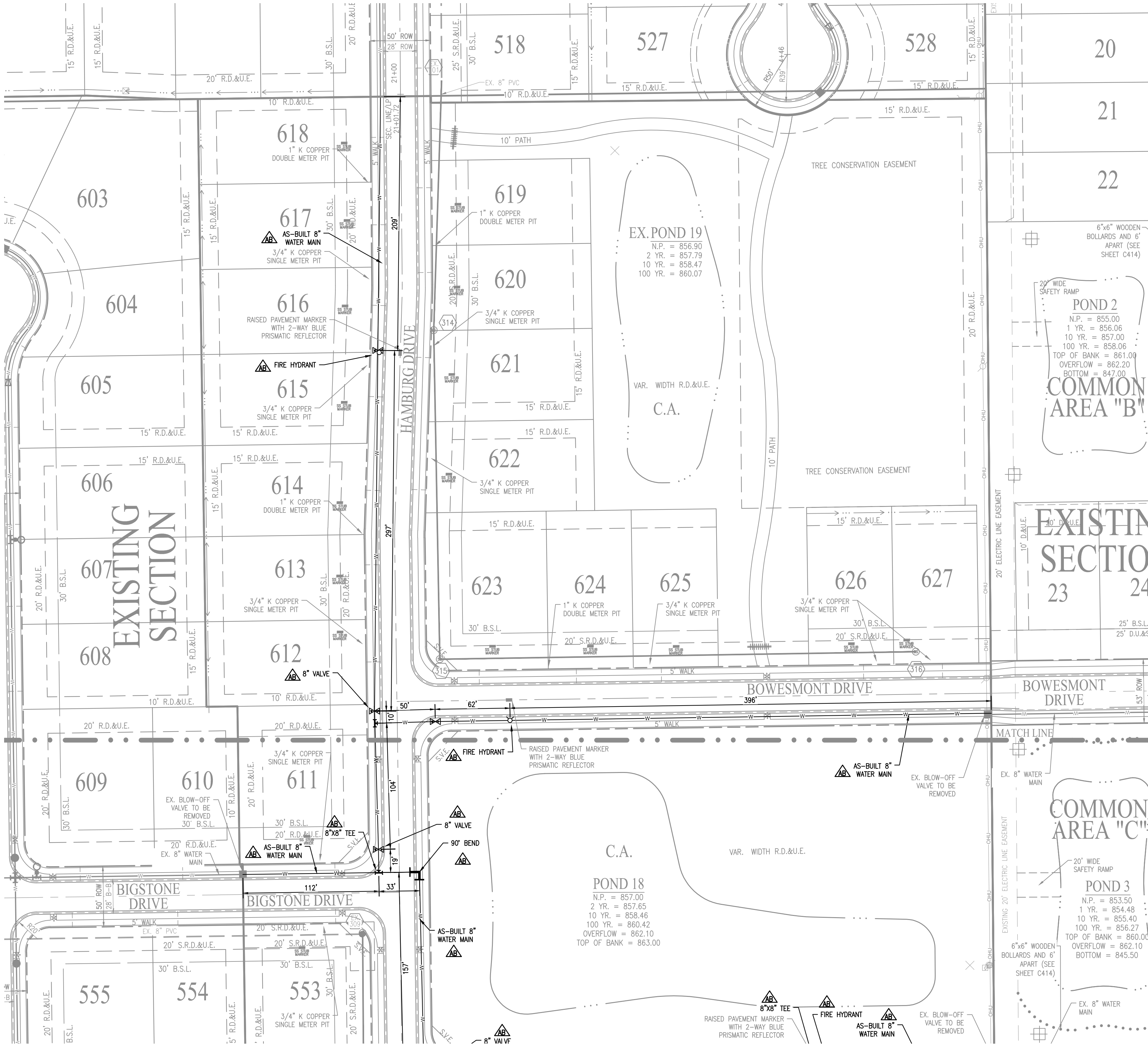
THE ENCLAVE AT VERMILLION
 SECTION FIVE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 WATER MAIN PLAN

PREPARED FOR:
 THE ENCLAVE AT VERMILLION
 SECTION FIVE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 WATER MAIN PLAN

Part of the S.F. 58 (1/4 of Section 8, Township 17 North, Range 6 East, Paul Creek Township, Hamilton County, Indiana)

SHEET NO. **C700**
 PROJECT NO. W170032-5

LOCATION: H:\2017\W170032\Section 5\Engineering\submittals\AS-Built\AS-Built\W170032-5.dwg
 DATE PLOTTED: 07/18/2021 10:29am
 PLOTTED BY: Kerming



LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING HYDRANT WITH HYDRANT VALVE
- HYDRANT WITH HYDRANT VALVE
- VALVE
- TEE
- CROSS
- REDUCER
- DUCTILE IRON PIPE
- 1" TYPE K COPPER OR POLY W/ DOUBLE METER PIT
- 3/4" TYPE K COPPER OR POLY W/ SINGLE METER PIT
- WATER LATERAL AS-BUILT LOCATION

LEGEND

- FIBER OPTIC
- SANITARY SEWER, MANHOLE
- SANITARY STUB MARKER
- STORM SEWER, HEADWALL, CURB INLET, MANHOLE, ROUND INLET, SQUARE INLET
- GAS, VALVE
- WATER, FIRE HYDRANT, WELL, METER, VALVE
- POST
- UNDERGROUND ELECTRIC, PEDESTAL, TRANSFORMER
- OVERHEAD UTILITY, GUY WIRE, POLE, PEDESTAL
- BOARD FENCE
- FARM FENCE
- MAIL BOX
- BOLLARD
- TEMPORARY BENCH MARK
- T.C. TOP OF CASTING
- INV. INVERT
- RCP REINFORCED CONC. PIPE
- CMP 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
- TYR TYPICAL
- LAT. LATERAL
- B.S.L. BUILDING SETBACK LINE
- SSD SUB-SURFACE DRAIN
- AC ACRE
- SF SQUARE FEET
- R. RADIUS
- VAR. VARIABLE WIDTH
- ROE REGULATED DRAINAGE EASEMENT
- MEET MINIMUM BASEMENT FINISH FLOOR
- MLAG MINIMUM LOWEST ADJACENT GRADE
- (132) SANITARY STR. LABEL
- (132) STORM STR. LABEL
- RIGHT-OF-WAY
- SPACE BASED ON PIPE SIZE
- ADA RAMP
- STORM SEWER, CONC. END SECTION, CURB INLET, YARD INLET, MANHOLE
- SWALE
- 6" SSD (UNLESS DENOTED OTHERWISE)
- SANITARY SEWER, MANHOLE, LATERAL

RECORD DRAWING
 WATER AS-BUILTS
 WATER STRUCTURES ONLY
 7/12/2021

Duane A. Sharrer
 DUANE A. SHARRER P.E. 890258



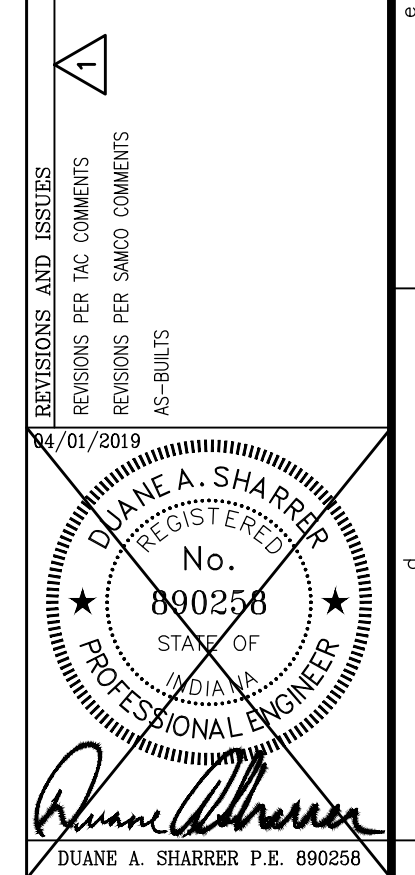
- NOTE: WATER METERS TO BE INSTALLED DURING CONSTRUCTION OF HOUSES.
- NOTE: NO REDLINE WATER MARKUPS WERE PROVIDED BY THE CONTRACTOR.
- AS-BUILT INFORMATION
 - BUILT AS PLANNED
 - AS-BUILT TEE
 - AS-BUILT 90° BEND
 - AS-BUILT FIRE HYDRANT
 - AS-BUILT WATER VALVE
- DATE OF LAST FIELDWORK: 6/14/2021

- WATER MAIN NOTES:**
- ALL FIRE HYDRANTS SHALL BE PAINTED PER FORTVILLE SPECIFICATIONS AND STANDARDS.
 - FIRE HYDRANTS SHALL HAVE 5 INCH STORZ'S CONNECTION (APPROVED BY FISHERS FIRE DEPARTMENT).
 - IF WATER MAIN IS 12 INCHES OR SMALLER, THEN C900 PIPE CAN BE USED.
 - MAIN SHALL BE BEDDED WITH SAND 6 INCHES UNDER AND 12 INCHES OVER THE PIPE WITH MARKING TAPE INSTALLED 2 FEET ABOVE THE WATER MAIN.
 - NUMBER TEN (#10) GAUGE LOCATING WIRE SHALL BE TAPED TO THE TOP OF THE MAIN AND PULLED THROUGH ALL VALVE BOXES (TO THE SURFACE) FOR LOCATING PURPOSES.
 - IF DUCTILE PIPE IS USED, THE MAIN MUST BE POLY WRAPPED.
 - CONTRACTOR MUST PROVIDE REDLINE 'AS-BUILT' MARK-UPS TO ENGINEER OR ALL BENDS AND TEES MUST BE LOCATED WITH 2X4 BOARD PAINTED BLUE.
 - ALL PROPOSED ROAD CROSSINGS MUST BE FULLY BACKFILLED WITH A GRANULAR BACKFILL MATERIAL.
 - ALL TEMPORARY FIRE HYDRANTS TO BE INSTALLED WITH VALVES.
 - ALL VALVES MUST HAVE POSI-CAP INSTALLED AND HAVE STAINLESS STEEL STEMS.
 - WATER MAIN MUST MEET CURRENT FORTVILLE WATER DETAILS AND SPECIFICATIONS.
 - WATER MAIN JOINTS TO BE RESTRAINED PER FORTVILLE WATER STANDARDS.
 - WATER SERVICE LATERALS AND WATER METER PITS ARE SHOWN FOR LOCATION ONLY. WATER SERVICE LATERALS AND WATER METER PITS WILL BE INSTALLED BY THE HOME BUILDERS AT THE TIME OF THE HOUSE CONSTRUCTION.
 - NO WATER VALVES ARE TO BE PLACED WITHIN THE LIMITS OF THE STREET.
 - CONTRACTOR TO SUPPLY SHOP DRAWINGS TO THE TOWN OF FORTVILLE PRIOR TO CONSTRUCTION.
 - INSTALLATION OF INDOT APPROVED SNOWPLOWABLE RAISED PAVEMENT MARKERS SHALL COMPLY WITH SECTIONS 800 & 900 OF THE MOST RECENT REVISION OF THE INDOT SPECIFICATIONS AND STANDARD DRAWINGS. UNDER NO CIRCUMSTANCE SHALL A REFLECTOR BE ATTACHED TO THE PAVEMENT SURFACE USING ONLY ADHESIVE.
 - ALL WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 10'-0" OF SEPARATION BETWEEN THE MAIN AND SEWER STRUCTURES AND A MINIMUM OF 10'-0" OF SEPARATION BETWEEN WATER, SANITARY AND STORM PIPES.
 - WATER TAP FEES WILL BE PAID AT THE TIME OF ACQUIRING THE BUILDING PERMIT.
 - HYDRAULIC TESTING TO BE DONE TO ENSURE THE FIRE HYDRANTS ARE AT 1000 GPM.

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

WEIHE ENGINEERS
 Land Surveying | Civil Engineering
 Landscape Architecture

PROJECT NO.:	W170032-4
DATE:	06/09/2020
BY:	MS
DESIGNED BY:	MS
DRAWN BY:	MS
CHECKED BY:	DAS
DATE:	06/14/2021



THE ENCLAVE AT VERMILLION
 SECTION FIVE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 WATER MAIN PLAN

811
 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.

SCALE: 1" = 50'

0 25 50 100