

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 5, 2014

To: Hamilton County Drainage Board

Re: Vermillion Drain, The Ridge at Flat Fork, Sec. 1 Arm

Attached is a petition filed by North Connecticut Development Corp., along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Vermillion Drain, The Ridge at Flat Fork, Sec. 1 Arm to be located in Fall Creek Township. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable, will improve the public health, benefit a public highway, and be of public utility and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

12" RCP	919 ft.	27" RCP	189 ft.
15" RCP	876 ft.	30" RCP	119 ft.
18" RCP	553 ft.	6" SSD	7,078 ft.
21" RCP	524 ft.	Open (pond)	742 ft.
24" RCP	1,020 ft.		

The total length of the drain will be 12,020 feet.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines in rear yards. Only the main SSD lines as described below which are located within the easement or right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The portion of the SSD which will be regulated and maintained other than those under curbs are as follows:

SSD under the curbs
Rear yard lots 142, 143, 144

The detention ponds (Pond #4 located in Common Area G, Pond 5 located in Common Area H and Pond 8 located in future Sec. 2 common area) are to be considered part of the regulated drain. The maintenance of the ponds assumed by the Drainage Board shall include the inlet and outlet as part of the regulated drain. The maintenance of the ponds such as sediment removal, and erosion control along the banks, mowing and aquatic vegetation control will be the responsibility of the Homeowners Association. The Board will also retain jurisdiction for ensuring the storage volume for which the pond was designed will be retained, thereby, allowing no fill or easement encroachments.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$65.00 per platted lot, \$10.00 per acre for common areas, with a \$65.00 minimum, and \$10.00 per acre for roadways. With this assessment the total annual assessment for this drain for Section 1 will be \$3,265.00.

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

Agent: Standard Financial Corporation
Date: September 3, 2014
Number: 1132NCD-RFF1
For: Storm Sewers
Amount: \$346,200.00

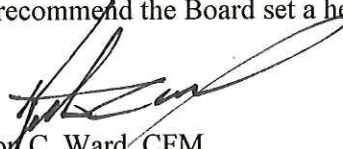
Agent: Standard Financial Corporation
Date: September 3, 2014
Number: 1133NCD-RFF1
For: Erosion Control
Amount: \$114,160.20

Agent: Standard Financial Corporation
Date: September 3, 2014
Number: 1134NCD-RFF1
For: Monumentation
Amount: \$7,272.00

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

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 Ridge at Flat Fork, Sec. 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for January 26, 2015.


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

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

FILED

AUG 20 2014

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

OFFICE OF HAMILTON COUNTY SURVEYOR

In the matter of The Ridge At Flat Fork Subdivision, Section
 The Ridge At Flat Fork Drain Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in The Ridge At Flat Fork - Section 1 , a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

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

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

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

The Petitioner also agrees to the following:

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

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

RECORDED OWNER(S) OF LAND INVOLVED

NORTH CONNECTICUT DEV CORP.

Douglas B. Wagner

Signed

Signed

DOUGLAS B. WAGNER

Printed Name

Printed Name

7-28-14

Date

Date

Signed

Signed

Printed Name

Printed Name

Date

Date

FINDINGS AND ORDER

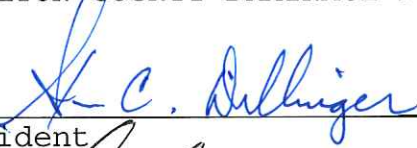
CONCERNING THE MAINTENANCE OF THE

Vermillion Drain, The Ridge at Flat Fork Section 1 Arm

On this 26th day of January, 2015, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Vermillion Drain, The Ridge at Flat Fork Section 1 Arm*.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

Attest: 
Executive Secretary

WEIHE
ENGINEERS

Land Surveying | Civil Engineering
Landscape Architecture

Build with confidence.

August 27, 2014

Hamilton County Surveyor's Office
1 N 8th Street
Noblesville, IN 46060
Phone: (317) 776-8495

FILED

AUG 28 2014

OFFICE OF HAMILTON COUNTY SURVEYOR

Attention: Steve Cash

RE: The Ridge At Flat Fork Section 1

Dear Mr. Cash:

On behalf of the developer, Republic Development, I wish to submit the following Engineer's Estimate for The Ridge At Flat Fork Section One. The estimate is as follows:

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Contract Amount</u>	<u>Performance Bond 120%</u>
Storm Sewer				\$ 288,500.00	\$ 346,200.00
6" SSD Curbs	6850.00	LF	\$ 7.55	\$ 51,717.50	
12" RCP	1,158.00	LF	\$ 24.00	\$ 27,792.00	
15" RCP	876.00	LF	\$ 27.00	\$ 23,652.00	
18" RCP	753.00	LF	\$ 29.97	\$ 22,567.41	
21" RCP	323.00	LF	\$ 34.09	\$ 11,011.07	
24" RCP	864.00	LF	\$ 40.95	\$ 35,380.80	
27" RCP	224.00	LF	\$ 52.50	\$ 11,760.00	
Inlet Type A Neenah R3501-TR/TL	6.00	Each	\$ 1,260.00	\$ 7,560.00	
Curb Inlet Double Castings	5.00	Each	\$ 2,190.00	\$ 10,950.00	
MH w/Solid Lid (12" to 24" Pipe) 48"d	8.00	Each	\$ 1,780.00	\$ 14,240.00	
Inlet Type A w/ Beehive Inlet MH w/Beehive Inlet (12" to 24" Pipe) 48"d	3.00	Each	\$ 968.00	\$ 2,904.00	
MH w/Solid Lid (27" to 66" Pipe) 60"d	5.00	Each	\$ 1,802.00	\$ 9,010.00	
MH w/Solid Lid (27" to 66" Pipe) 60"d	2.00	Each	\$ 3,215.00	\$ 6,430.00	
Curb Inlet, 48"d	7.00	Each	\$ 1,935.00	\$ 13,545.00	
Curb Inlet, 60"d	4.00	Each	\$ 3,512.00	\$ 14,048.00	
Rip Rap Outlet Protection	9.00	Each	\$ 435.00	\$ 3,915.00	
12" Flared End Section w/ Debris Guards	3.00	Each	\$ 1,571.00	\$ 4,713.00	
18" Flared End Section w/ Debris Guard	3.00	Each	\$ 1,710.00	\$ 5,130.00	
21" Flared End Section w/ Debris Guard	1.00	Each	\$ 1,845.47	\$ 1,845.47	
27" Flared End Section w/ Debris Guard	2.00	Each	\$ 2,020.00	\$ 4,040.00	

10505 N. College Ave | Indianapolis, IN 46280 | www.weihe.net | (317) 846-6611 | (800) 452-6408 | Fax: (317) 843-0546

Allan H. Weihe, P.E., L.S., - Founder

The Ridge At Flat Fork Section 1

W130129

August 27, 2014

Page 2 of 2

No. 8 Stone Backfill	325.00	Ton	\$	19.35	\$	6,288.75	
Erosion Control						\$ 95,133.50	\$ 114,160.20
Silt Fence	19,000.00	LF	\$	1.30	\$	24,700.00	
Tree Protection Fence	2,250.00	LF	\$	2.35	\$	5,287.50	
Temporary Construction Entrance	3.00	Each	\$	2,000.00	\$	6,000.00	
Curb Inlet Mats	22.00	Each	\$	40.00	\$	880.00	
Beehive Inlet Protection	7.00	Each	\$	70.00	\$	490.00	
Temporary Seeding	62,920.00	SY	\$	0.30	\$	18,876.00	
Permanent Seeding	31,500	SY	\$	0.40	\$	12,600.00	
Erosion Control Blanket	16,000.00	SY	\$	1.30	\$	20,800.00	
Outlet Protection / rip rap	6.00	Each	\$	500.00	\$	3,000.00	
Concrete Washout Area	1.00	Each	\$	2,500.00	\$	2,500.00	
Monumentation						\$ 6,060.00	\$ 7,272.00
Rebar street control	35.00	Each	\$	35.00	\$	1,225.00	
4x4 concrete monuments	5.00	Each	\$	50.00	\$	250.00	
Property corners	131.00	Each	\$	35.00	\$	4,585.00	

Should you have any questions or comments, please feel free to contact me at 317-846-6611.

Sincerely,



Colin Patterson
Professional Engineer

September 3, 2014

HCDB-2014-00046

Irrevocable Letter of Credit No.: 1132NCD-RFF1

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

To Whom It May Concern:

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

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

For a sum or sums in United States of America Dollars not to exceed the aggregate total of **Three Hundred Forty-Six Thousand Two Hundred and no/100 Dollars (\$346,200.00)** by your draft(s) at sight.

The purpose of this Letter of Credit is for the performance of the installation of **storm sewers in The Ridge at Flat Fork, Section 1.**

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

All drafts must be marked, "Drawn under Standard Financial Corporation Letter of Credit No. 1132NCD-RFF1."

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

This Letter of Credit is effective as of September 3, 2014, and shall expire on September 3, 2015 but such expiration date shall be automatically extended for a period of one year on September 3, 2015, and on each successive expiration date, unless a release is received from the Hamilton County Commissioners, or we notify both the Hamilton County Commissioners and North Connecticut Development Corporation by certified mail, at least ninety (90) days before the current expiration date, that we have decided not to extend this Letter of Credit beyond the

FILED

SEP 05 2014



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,

A handwritten signature in blue ink, appearing to read 'Eric Roof', is written in a cursive style.

Eric Roof, Controller

ER/kh

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

September 3, 2014

HCDB-2014-00047

Irrevocable Letter of Credit No.: 1133NCD-RFF1

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

To Whom It May Concern:

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

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

For a sum or sums in United States of America Dollars not to exceed the aggregate total of **One Hundred Fourteen Thousand One Hundred Sixty and 20/100 Dollars (\$114,160.20)** 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 Ridge at Flat Fork, Section 1.**

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

All drafts must be marked, "Drawn under Standard Financial Corporation Letter of Credit No. 1133NCD-RFF1."

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

This Letter of Credit is effective as of September 3, 2014, and shall expire on September 3, 2015 but such expiration date shall be automatically extended for a period of one year on September 3, 2015, and on each successive expiration date, unless a release is received from the Hamilton County Commissioners, or we notify both the Hamilton County Commissioners and North Connecticut Development Corporation by certified mail, at least ninety (90) days before the current expiration date, that we have decided not to extend this Letter of Credit beyond the

FILED

SEP 05 2014



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,

A handwritten signature in blue ink that reads 'Eric Roof'. The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Eric Roof, Controller

ER/kh

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

September 3, 2014

HCD B-2014-00048
Irrevocable Letter of Credit No.: 1134NCD-RFF1

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

To Whom It May Concern:

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

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

For a sum or sums in United States of America Dollars not to exceed the aggregate total of **Seven Thousand Two Hundred Seventy-Two and no/100 Dollars (\$7,272.00)** by your draft(s) at sight.

The purpose of this Letter of Credit is for the performance of the installation of **monumentation in The Ridge at Flat Fork, Section 1.**

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

All drafts must be marked, "Drawn under Standard Financial Corporation Letter of Credit No. 1134NCD-RFF1."

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

This Letter of Credit is effective as of September 3, 2014, and shall expire on September 3, 2015 but such expiration date shall be automatically extended for a period of one year on September 3, 2015, and on each successive expiration date, unless a release is received from the Hamilton County Commissioners, or we notify both the Hamilton County Commissioners and North Connecticut Development Corporation by certified mail, at least ninety (90) days before the current expiration date, that we have decided not to extend this Letter of Credit beyond the

FILED

SEP 05 2014

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

OFFICE OF HAMILTON COUNTY SURVEYOR



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,

A handwritten signature in blue ink that reads 'Eric Roof'.

Eric Roof, Controller

ER/kh

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

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Vermillion Drain, The Ridge at Flat Fork Section 1 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 Ridge at Flat Fork Section 1 Arm** on **January 26, 2015** at **9:05 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF THE

Vermillion Drain, The Ridge at Flat Fork Section 1 Arm

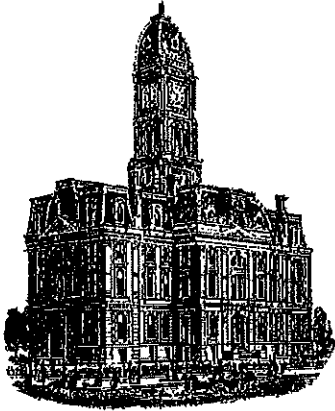
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **January 26, 2015** 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, CEM
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

October 24, 2016

Re: Vermillion – The Ridge at Flat Fork Section 1

Attached are as-built, certificate of completion & compliance, and other information for The Ridge at Flat Fork Section 1. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated November 5, 2015. The report was approved by the Board at the hearing held January 26, 2015. (See Drainage Board Minutes Book 16, Pages 83-85) The changes are as follows: the 12" RCP was lengthened from 919 feet to 923 feet. The 15" RCP was shortened from 876 feet to 875 feet. The 18" RCP was shortened from 553 feet to 440 feet. The 21" RCP was shortened from 524 feet to 519 feet. The 24" RCP was shortened from 1,020 to 1,015 feet. The 27" RCP was lengthened from 189 feet to 197 feet. The 30" RCP was lengthened from 119 feet to 159 feet. The 6" SSD was shortened from 7,078 to 6,977 feet. The open ditch through the ponds was lengthened from 742 feet to 849 feet. The length of the drain due to the changes described above is now **11,954 feet**.

The non-enforcement was approved by the Board at its meeting on January 26, 2015 and recorded under instrument #2016052073.

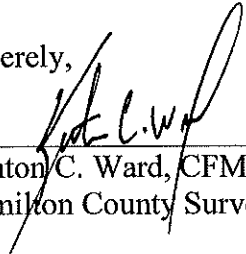
The following sureties were guaranteed by Standard Financial Corporation and released by the Board on its October 24, 2016 meeting.

Bond-LC No: 1132NCD-RFF1
Amount: \$346,200.00
For: Storm Sewers
Issue Date: September 3, 2014

Bond-LC No: 1133NCD-RFF1
Amount: \$114,160.20
For: Erosion Control
Issue Date: September 3, 2014

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

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

CERTIFICATE OF COMPLETION AND COMPLIANCE

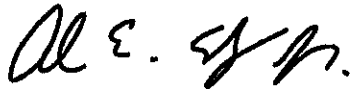
To: Hamilton County Surveyor

Re: The Ridge at Flat Fork - Section 1

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: January 21, 2016

Type or Print Name: Alvin E. Skoog, Jr.

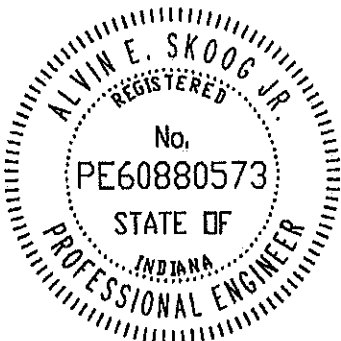
Business Address: Weihe Engineers, Inc. 10505 N. College Ave.

Indianapolis, Indiana 46280

Telephone Number: 317-846-6611

INDIANA REGISTRATION NUMBER

880573



TEMPORARY
POND 8
2 YR. = 849.29
10 YR. = 850.30
100 YR. = 851.83
NP = 848.00
BOTTOM = 849.00
TOB = 854.0

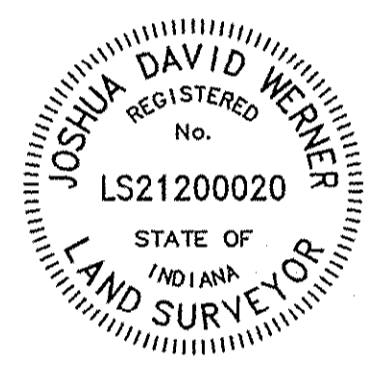
AREA F
24276 S.F.
0.56 AC.

COMMON
AREA E

COMMON
AREA D

RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
01/21/2016

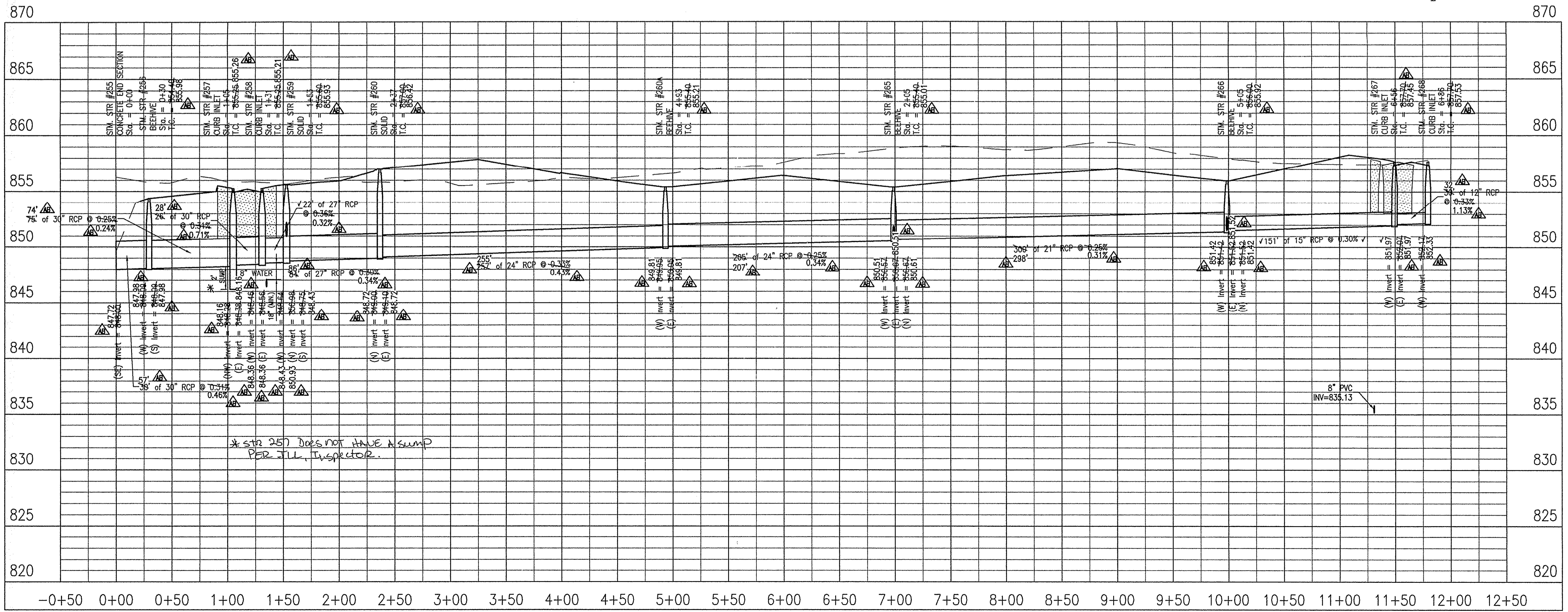
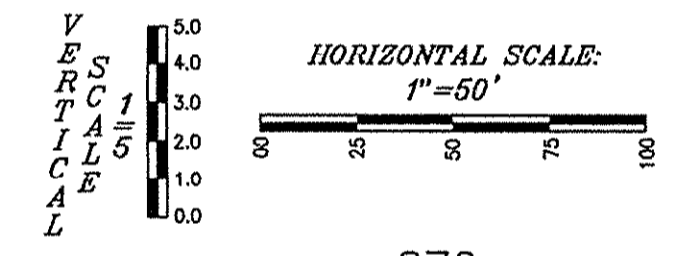
JOSHUA DAVID WERNER, LS21200020



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: 9-2016
Entered By: SIM

NOTE:
GRANULAR BACKFILL REQUIRED WHERE TRENCH OPENING ENCROACHES TO WITHIN 5'-0" OF SIDEWALK OR PAVEMENT.

LEGEND	
---	EXISTING GRADE
---	FINISHED GRADE
█	GRANULAR BACKFILL



* STR 257 DOES NOT HAVE A SUMP PER ILL. INSPECTOR.

10505 N. College Avenue
Indianapolis, Indiana 46280
weihe.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. C600
DWG NAME: AS-BUILT STORM PIP
DESIGNED BY: JMW
DRAWN BY: JES
CHECKED BY: JES
DATE: 09-05-2014

BY: _____
DATE: _____

REVISIONS AND ISSUES



ALLAN H. SKOOG, P.E., L.S. - REGISTERED PROFESSIONAL ENGINEER

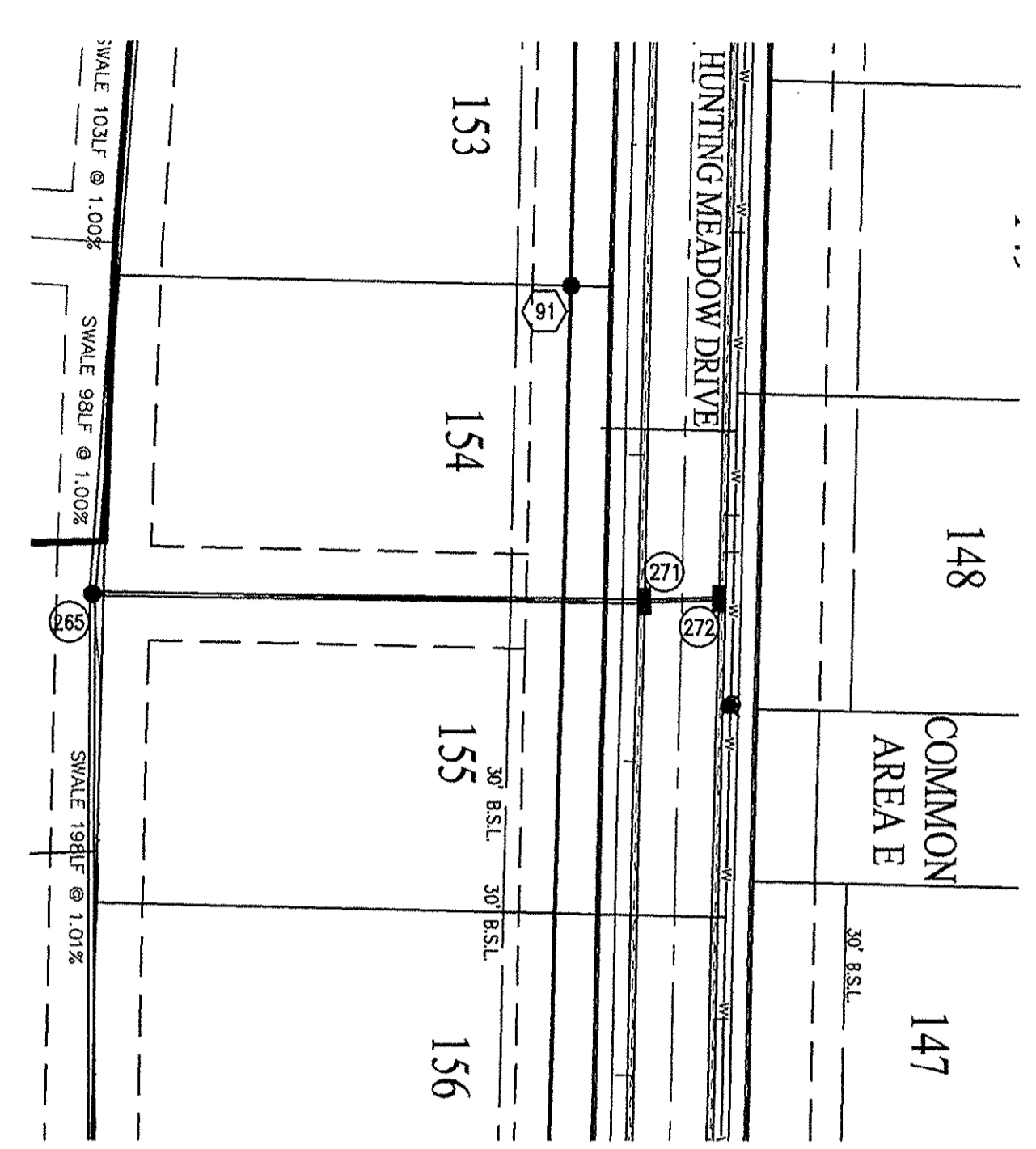
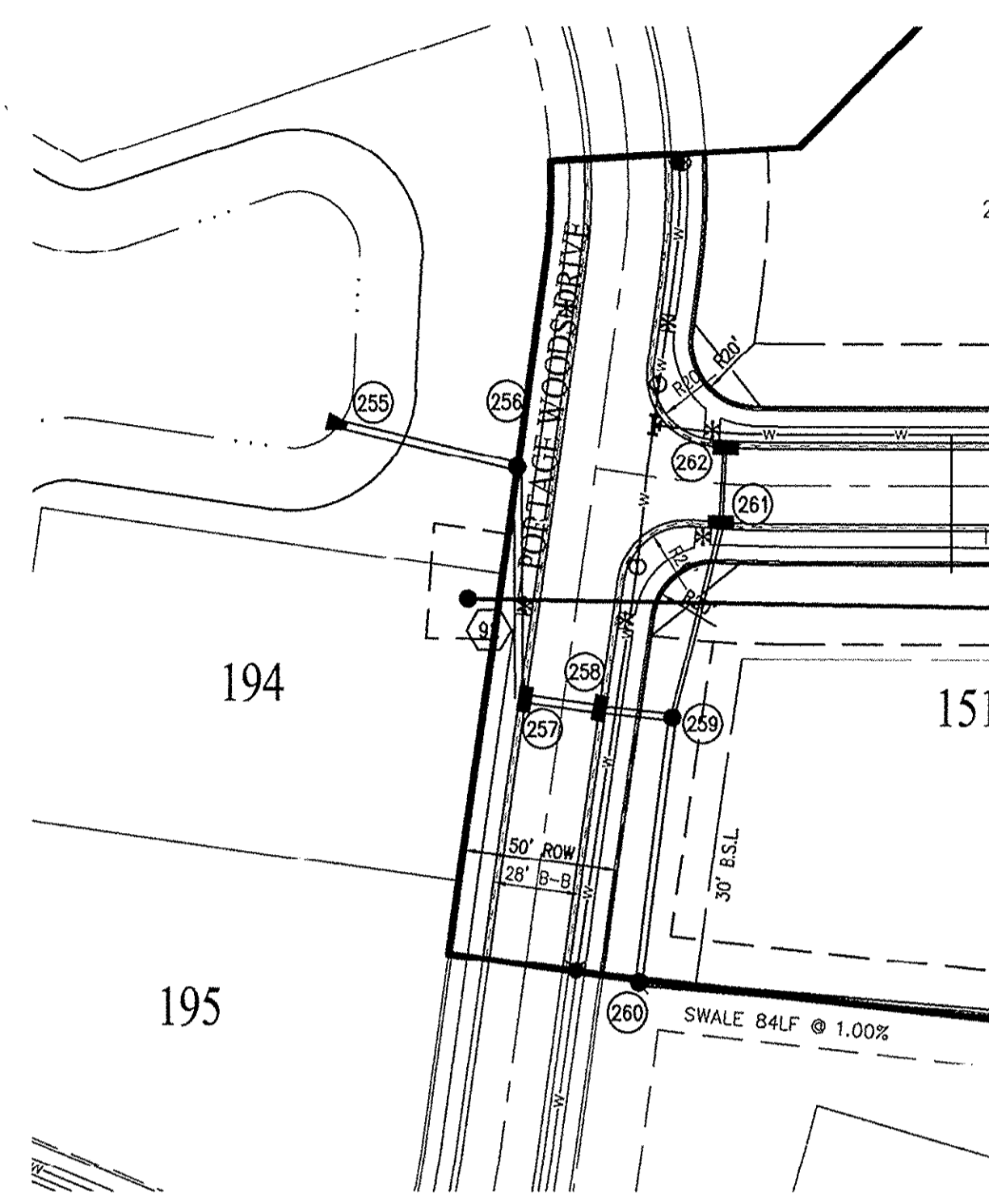
PREPARED FOR:
THE RIDGE AT FLAT FORK SECTION ONE
NORTH CONNECTICUT DEVELOPMENT CORP.
STORM SEWER PLAN & PROFILE
Part of the 0558 (1/4 of Section 15, Township 17 North, Range 6 East, Old Onek Township, Hamilton County, Indiana)

SHEET NO.
C600
PROJECT NO.
W13.0129

RECORD DRAWING FINAL CONSTRUCTION PLANS - 09/05/2014

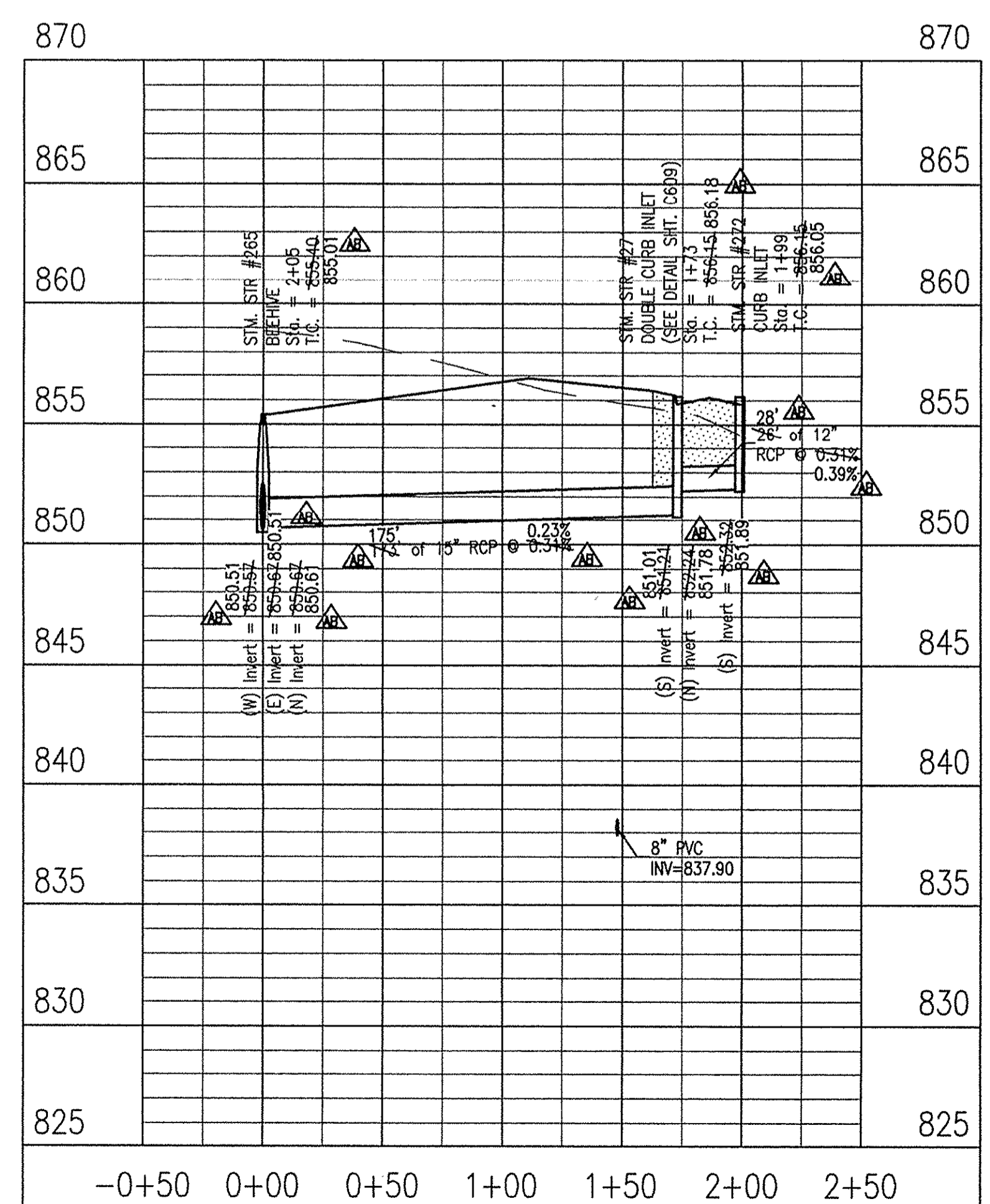
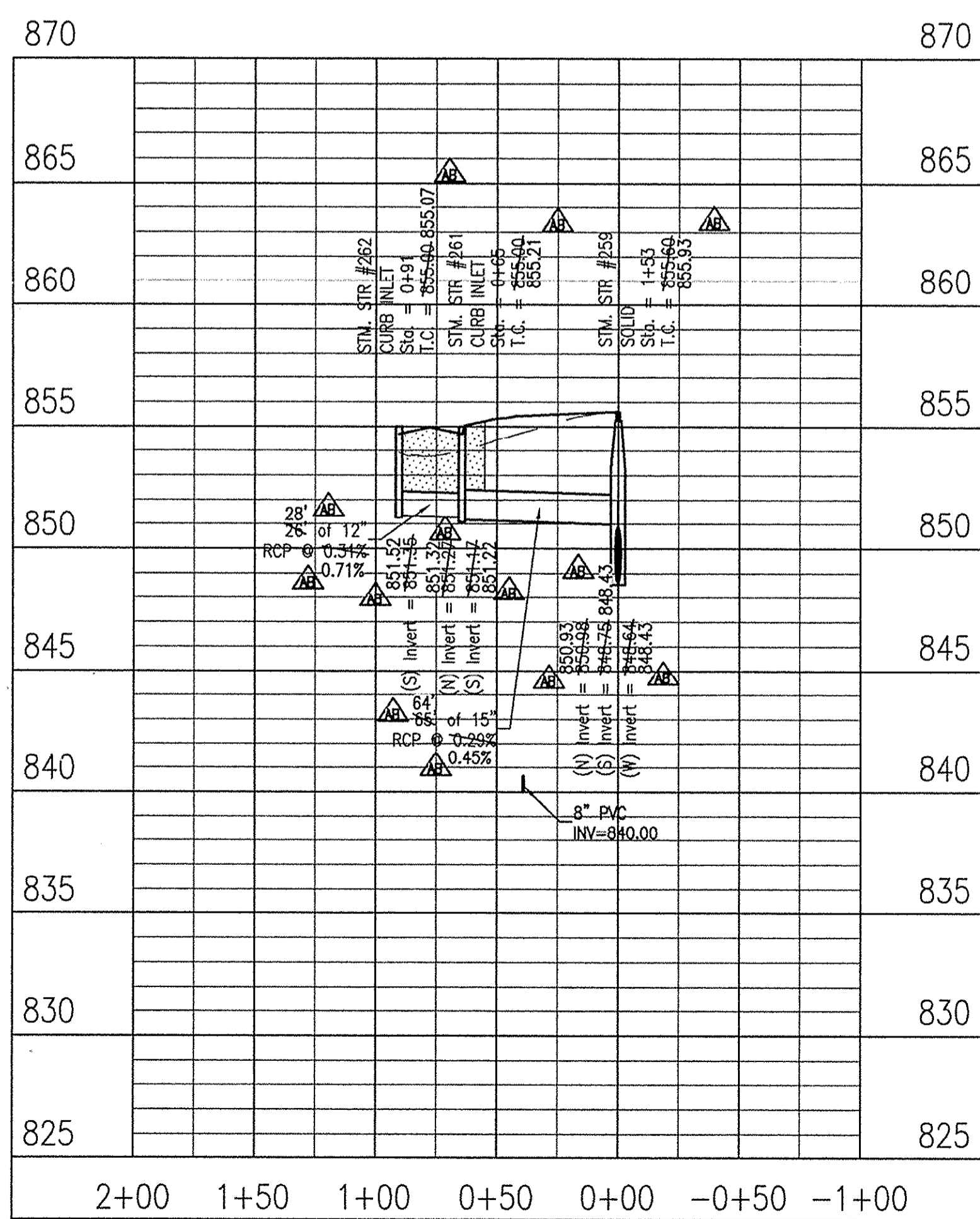
STORM SEWER STRUCTURE DATA TABLE				
STRUCTURE NUMBER	STRUCTURE TYPE	TOP OF CASTING	CASTING TYPE	INVERT
250	CONCRETE END SECTION	N/A	N/A	INV IN = 846.00(E) 847.85
251	MANHOLE	854.60 853.94	NEENAH R-4215-C	INV IN = 849.00(S) 848.94 INV OUT = 846.00(W) 848.86
252	CONCRETE END SECTION	N/A	N/A	INV OUT = 849.00(N) 849.08
255	CONCRETE END SECTION	N/A	N/A	INV IN = 846.00(S) 847.72
257	MANHOLE	855.25 855.26	NEENAH R-3501-TL	INV IN = 846.38(E) 848.16 INV OUT = 846.28(NW) 848.16
258	MANHOLE	855.25 855.21	NEENAH R-3501-TR	INV IN = 846.56(E) 848.36 INV OUT = 846.46(W) 848.36
259	MANHOLE	855.60 855.93	SOLID	INV IN = 856.98(N) 850.93 INV IN = 846.75(S) 848.43 INV OUT = 846.64(W) 848.43
260	MANHOLE	857.00 856.42	SOLID	INV IN = 849.10(E) 848.72 INV OUT = 849.00(N) 848.72
260A	MANHOLE	855.40 855.21	BEEHIVE	INV IN = 850.05(E) 849.81 INV OUT = 849.05(W) 849.81
261	INLET TYPE A	855.00 855.21	NEENAH R-3501-TR	INV IN = 851.27(N) 851.32 INV OUT = 851.12(S) 851.22
262	INLET TYPE A	855.00 855.07	NEENAH R-3501-TL	INV OUT = 851.35(S) 851.52
265	MANHOLE	855.40 855.01	BEEHIVE	INV IN = 856.67(E) 850.51 INV IN = 856.67(N) 850.61 INV OUT = 856.52(W) 850.51
266	MANHOLE	856.00 855.92	BEEHIVE	INV IN = 851.52(E) 851.52 INV IN = 851.52(N) 851.42 INV OUT = 851.42(W) 851.42
267	INLET TYPE A	857.70 857.45	NEENAH R-3501-TR	INV IN = 852.07(E) 851.97 INV OUT = 851.97(W) ✓
268	INLET TYPE A	857.70 857.53	NEENAH R-3501-TL	INV OUT = 852.17(W) 852.33
269	MANHOLE	856.75 856.81	NEENAH R-3501-TR	INV IN = 852.13(N) 851.81 INV OUT = 852.03(S) 851.81
270	MANHOLE	856.75 856.82	NEENAH R-3501-TL	INV OUT = 852.24(S) 852.01
271	DOUBLE BOX STRUCTURE	856.15 856.18	NEENAH R-3501-TL	INV IN = 852.24(N) 851.78 INV OUT = 851.24(S) 851.01
272	DOUBLE BOX STRUCTURE	856.15 856.05	NEENAH R-3501-TR	INV OUT = 852.32(S) 851.89
273	CONCRETE END SECTION	N/A	N/A	INV IN = 849.00(E) 848.81
274	MANHOLE	859.25 859.36	NEENAH R-3501-TR	INV IN = 849.44(E) 849.16 INV OUT = 849.34(W) 849.16
275	MANHOLE	859.25 859.35	NEENAH R-3501-TL	INV IN = 849.72(E) 849.62 INV OUT = 849.62(W) 849.62
276	MANHOLE	856.70 857.07	SOLID	INV IN = 856.85(E) 850.90 INV IN = 850.87(SE) 850.70 INV OUT = 856.75(W) 850.69
277	MANHOLE	856.30 ✓	SOLID	INV IN = 851.41(E) 851.38 INV IN = 851.41(SW) 851.37 INV OUT = 851.31(NW) 851.35
278	MANHOLE	856.00 855.60	SOLID	INV IN = 851.72(SE) 851.67 INV OUT = 851.62(W) 851.67

STORM SEWER STRUCTURE DATA TABLE				
STRUCTURE NUMBER	STRUCTURE TYPE	TOP OF CASTING	CASTING TYPE	INVERT
279	INLET TYPE A	855.60 855.27	BEEHIVE	INV IN = 852.12(NE) 852.14 INV IN = 852.12(SE) 852.10 INV OUT = 852.02(NW) 852.09
280	CONCRETE END SECTION	N/A	N/A	INV IN = 853.38(NE) 853.36
281	INLET TYPE A	857.27 RIM NOT INSTALLED	BEEHIVE	INV IN = 853.62(N) 853.56 INV OUT = 853.42(SW) 853.45
282	MANHOLE	857.90 857.81	NEENAH R-3501-TL	INV IN = 854.42(N) 854.17 INV OUT = 854.32(S) 854.17
283	INLET TYPE A	857.90 ✓	NEENAH R-3501-TR	INV OUT = 854.60(S) 854.52
284	INLET TYPE A	857.15 857.10	NEENAH R-3501-TR	INV IN = 852.98(NE) 852.94 INV OUT = 852.88(SW) 852.90
285	INLET TYPE A	857.00 856.59	NEENAH R-3501-TL	INV OUT = 853.10(SW) 853.06
286	DOUBLE BOX STRUCTURE	856.50 ✓	NEENAH R-3501-TR	INV IN = 852.61(SW) 852.45 INV OUT = 852.51(NE) 852.45
287	DOUBLE BOX STRUCTURE	856.60 856.49	NEENAH R-3501-TL	INV OUT = 852.73(NE) ✓
288	CONCRETE END SECTION	N/A	N/A	INV OUT = 851.00(W) ✓
289	CONCRETE END SECTION	N/A	N/A	INV IN = 852.00(E) 851.95
290	MANHOLE	857.45 857.57	NEENAH R-3501-TL	INV IN = 852.60(E) 852.45 INV OUT = 852.60(W) 852.45
291	MANHOLE	857.45 857.44	NEENAH R-3501-TR	INV IN = 852.79(E) 852.71 INV OUT = 852.69(W) 852.71
292	MANHOLE	857.84 859.10	SOLID	INV IN = 852.95(N) ✓ INV IN = 852.95(SE) 852.86 INV OUT = 852.85(W) 852.81
293	MANHOLE	857.80 857.97	BEEHIVE	INV IN = 853.28(NE) 853.39 INV OUT = 853.12(S) 853.23
294	INLET TYPE A	857.70 857.43	BEEHIVE	INV OUT = 854.60(SW) 854.66
295	DOUBLE BOX STRUCTURE	857.20 857.30	NEENAH R-3501-TL	INV IN = 853.22(SE) 853.08 INV OUT = 853.12(NW) 853.02
296	DOUBLE BOX STRUCTURE	857.20 857.39	NEENAH R-3501-TR	INV OUT = 853.30(NW) 853.21
297	MANHOLE	857.10 856.03	BEEHIVE	INV OUT = 855.10(NW) 853.20
298	CONCRETE END SECTION	N/A	N/A	INV IN = 841.80(NE) 841.96
299	MANHOLE	846.73 848.93	SOLID	INV IN = 844.70(NE) 843.62 INV OUT = 842.70(SW) 842.74
301	CONCRETE END SECTION	849.92 N/A	N/A	INV OUT = 846.00(SW) 847.92

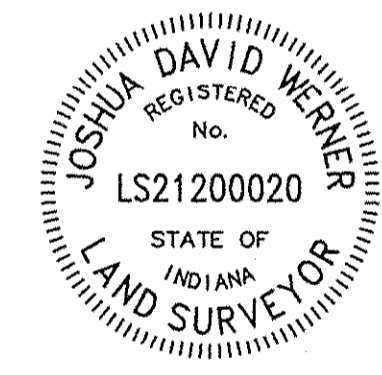


STORM SEWER PIPE DATA TABLE					
DOWNSTREAM STRUCTURE	UPSTREAM STRUCTURE	SIZE	MATERIAL	LENGTH	SLOPE
250	251	24"	RCP	226' 222"	0.46% 0.46%
251	252	24"	RCP	15' 16"	0.90% 0.88%
256	255	30"	RCP	56' 57"	0.34% 0.46%
258	257	30"	RCP	26' 28"	0.34% 0.71%
259	258	27"	RCP	22' ✓	0.36% 0.32%
259	261	15"	RCP	65' 64"	0.29% 0.45%
260	259	27"	RCP	84' 86"	0.36% 0.34%
260A	265	24"	RCP	206' 207"	0.25% 0.34%
260A	260	24"	RCP	257' 255"	0.33% 0.43%
261	262	12"	RCP	26' 28"	0.34% 0.71%
265	271	15"	RCP	173' 175"	0.34% 0.23%
265	266	21"	RCP	360' 298"	0.25% 0.31%
266	269	15"	RCP	170' 169"	0.30% 0.23%
266	267	15"	RCP	151' ✓	0.30% ✓
267	268	12"	RCP	56' 32"	0.33% 1.13%
269	270	12"	RCP	26' 28"	0.34% 0.71%
271	272	12"	RCP	26' 28"	0.34% 0.39%
273	274	27"	RCP	53' 59"	0.64% 0.59%
274	275	27"	RCP	30' ✓	0.66% 1.53%
275	276	24"	RCP	172' 168"	0.60% 0.64%
276	277	24"	RCP	146' 147"	0.30% 0.44%
276	288	21"	RCP	23' 16"	0.65% 0.63%

STORM SEWER PIPE DATA TABLE					
DOWNSTREAM STRUCTURE	UPSTREAM STRUCTURE	SIZE	MATERIAL	LENGTH	SLOPE
277	286	15"	RCP	168' 165"	0.65% ✓
277	278	18"	RCP	74' 78"	0.30% 0.37%
278	279	18"	RCP	145' 116"	0.30% 0.36%
279	297	12"	RCP	192' 191"	1.53% 0.58%
279	284	12"	RCP	163' ✓	0.44% 0.47%
280	281	12"	RCP	9' 11"	0.95% 0.82%
281	282	12"	RCP	126' ✓	0.50% 0.48%
282	283	12"	RCP	26' 24"	0.34% 1.46%
284	285	12"	RCP	38' ✓	0.32% 0.32%
286	287	12"	RCP	26' 25"	0.46% 1.12%
289	290	21"	RCP	174' 176"	0.29% 0.28%
290	291	21"	RCP	56' 29"	0.30% 0.90%
291	292	18"	RCP	24' 29"	0.29% 0.34%
292	293	15"	RCP	95' 96"	0.25% 0.29%
292	295	15"	RCP	54' 55"	0.34% 0.29%
293	294	12"	RCP	294' 202"	0.60% 0.63%
295	296	12"	RCP	27' ✓	0.30% 0.48%
298	299	18"	RCP	96' 95"	1.06% 0.82%
299	300	18"	RCP	140' 111"	2.94% 3.69%



RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 01/21/2016
 JOSHUA DAVID WERNER, LS21200020



AS-BUILT INFORMATION
 BUILT AS PLANNED

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 - 0540 fax

ALLAN H. WEIHE, P.E., L.S. - FOUNDER

PROJECT NO.: W13.0129
 DATE: 09.05.2014

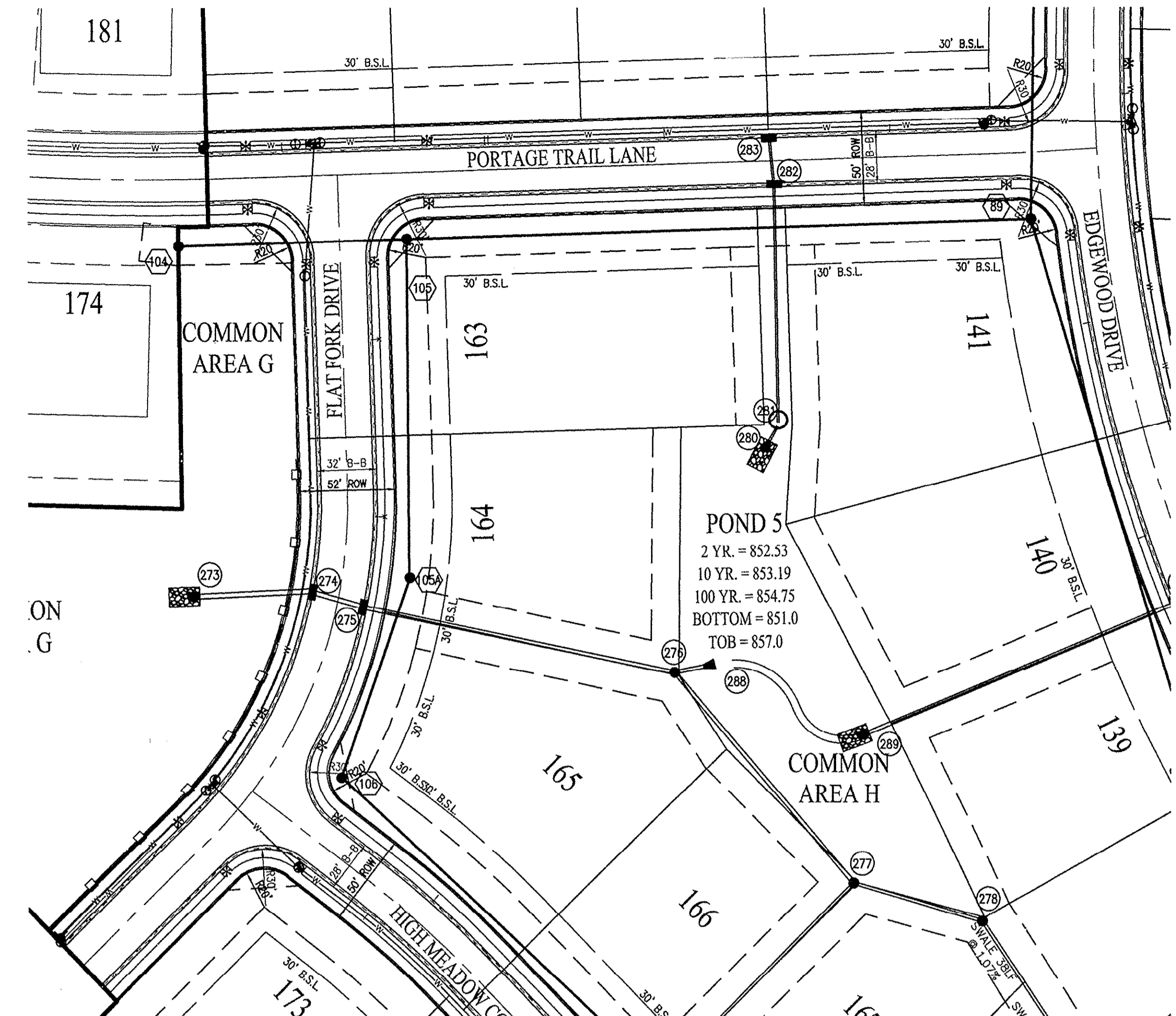
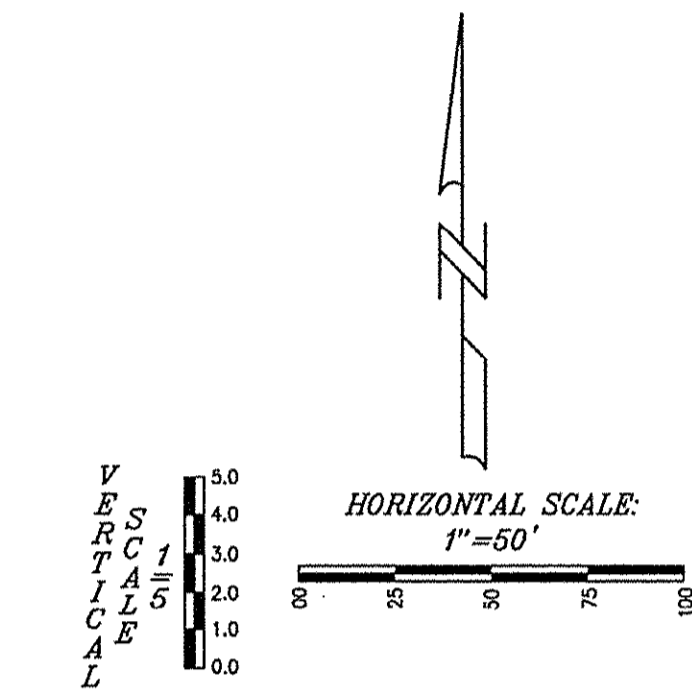
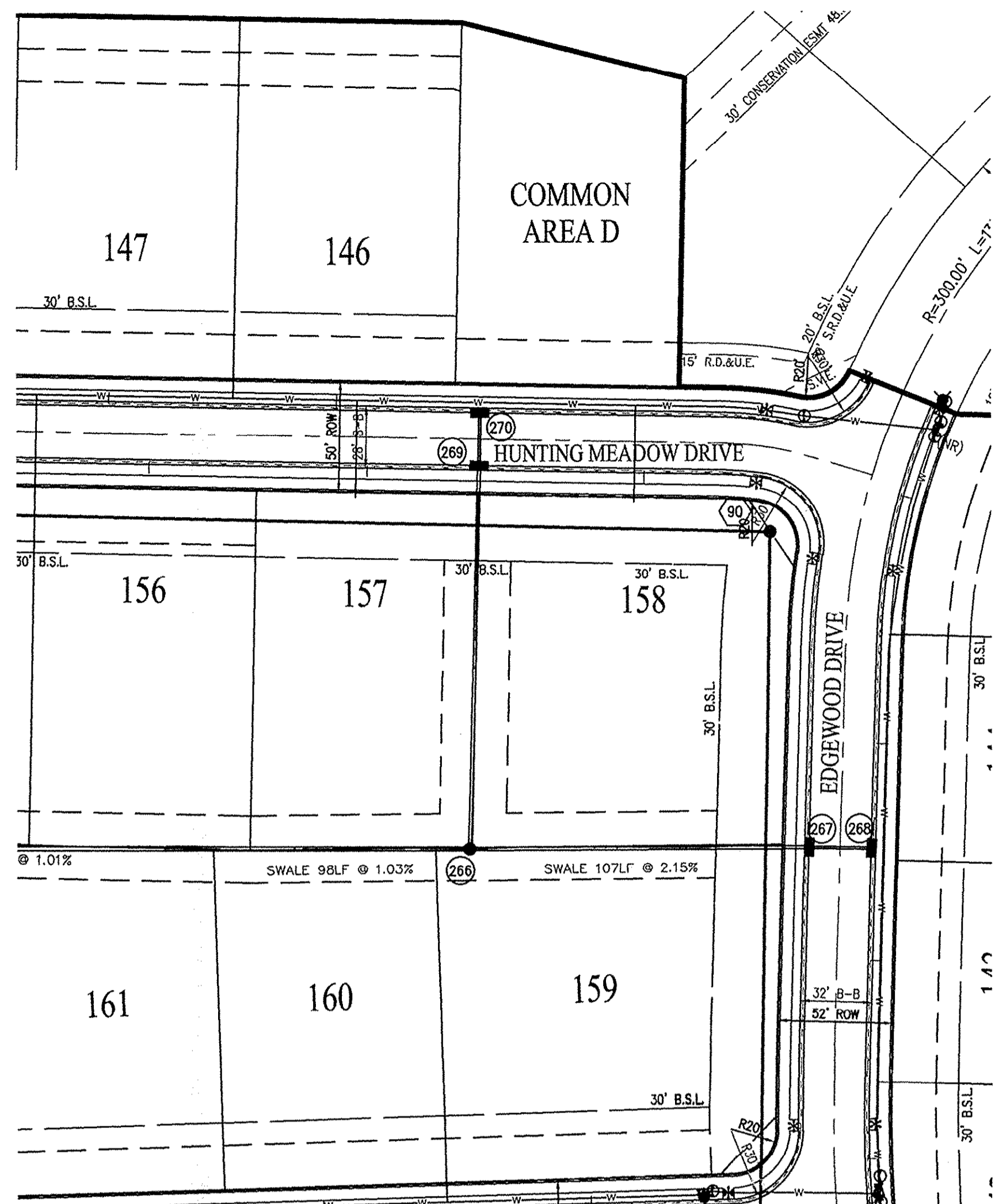
PROBING NO.: W13.0129
 DATE: 08.2008
 AS BUILT: Sum Pp
 DESIGNED BY: RME
 DRAWN BY: RME
 CHECKED BY: RME
 DATE: 09.05.2014

This information was gathered for input to the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: 9-2016
 Entered By: SLM

ALVIN R. SKOOG JR., P.E.
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF INDIANA
 LICENSE NO. PE60860573
 ALVIN R. SKOOG JR., P.E. 880573

PREPARED FOR:
THE RIDGE AT FLAT FORK SECTION ONE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 STORM SEWER PLAN & PROFILE
 Part of the 22.02 (1/4 of Section 16, Township 17 North, Range 6 East, 8th Principal Meridian, Hamilton County, Indiana)

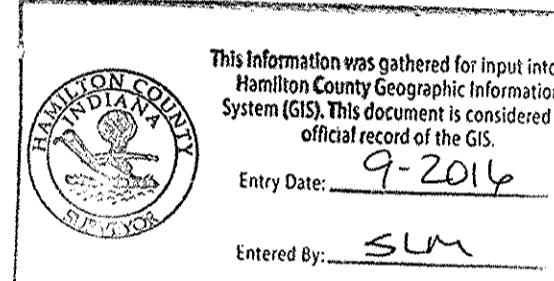
SHEET NO. **C601**
 PROJECT NO. W13.0129



RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 01/21/2016

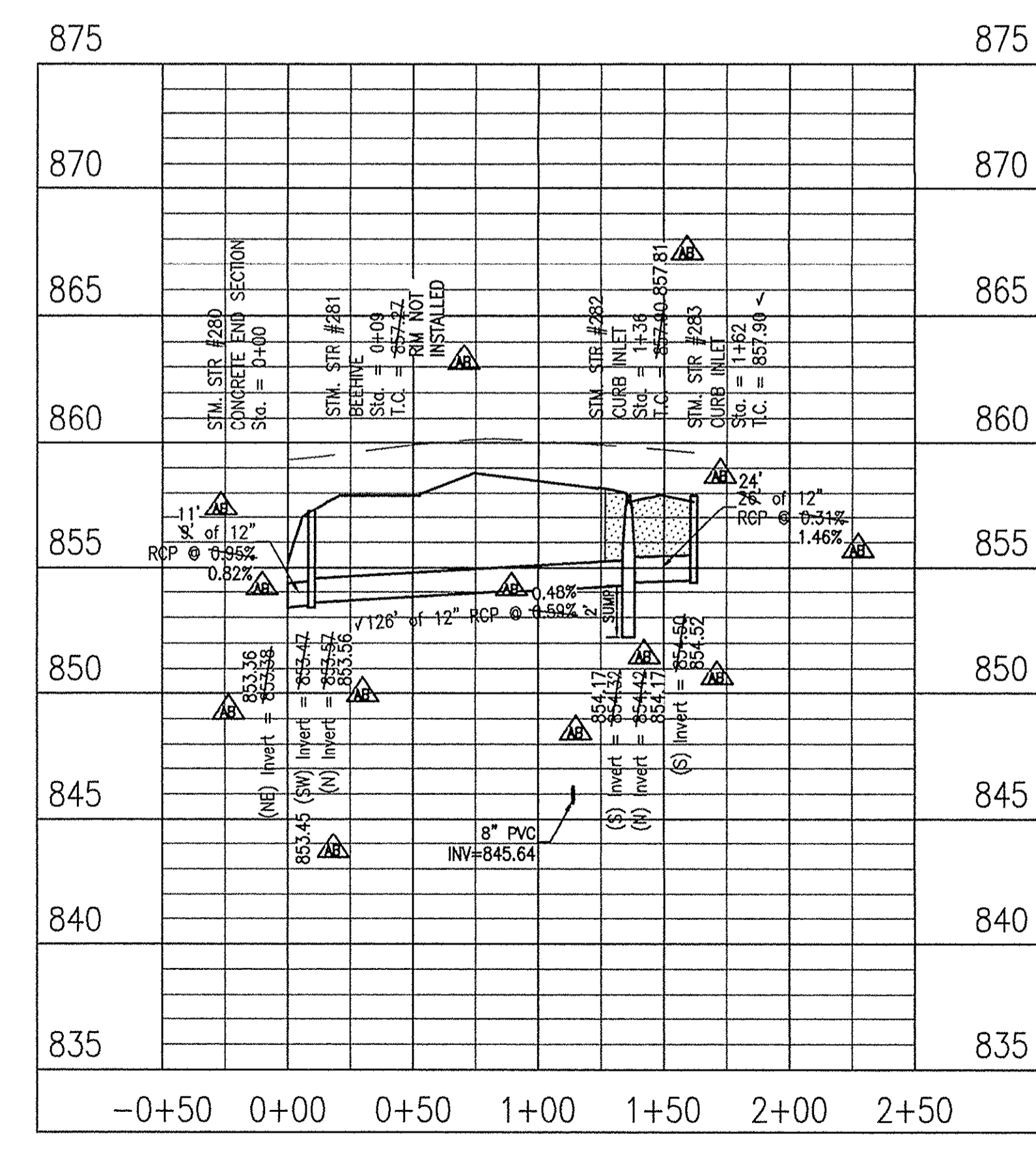
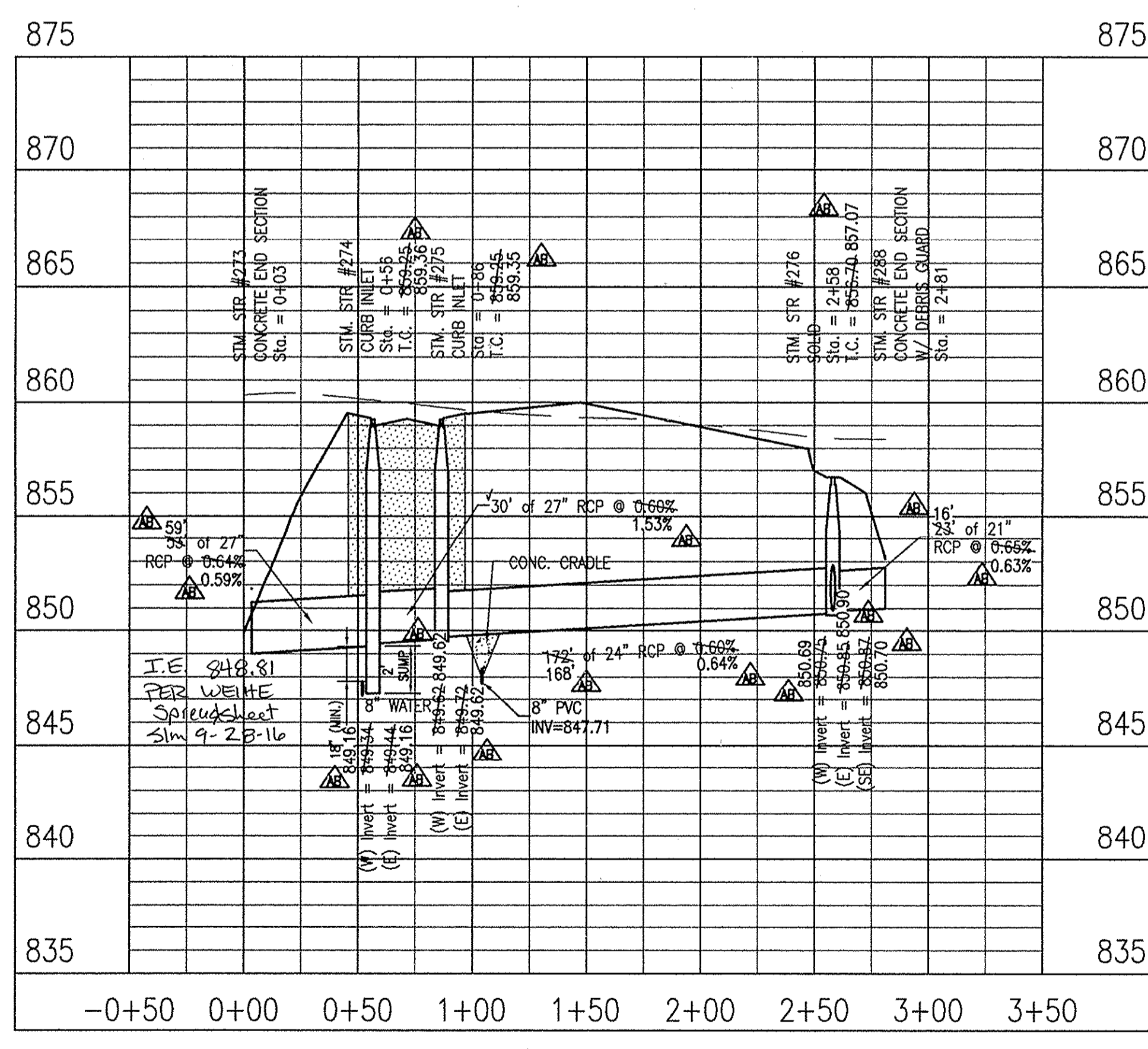
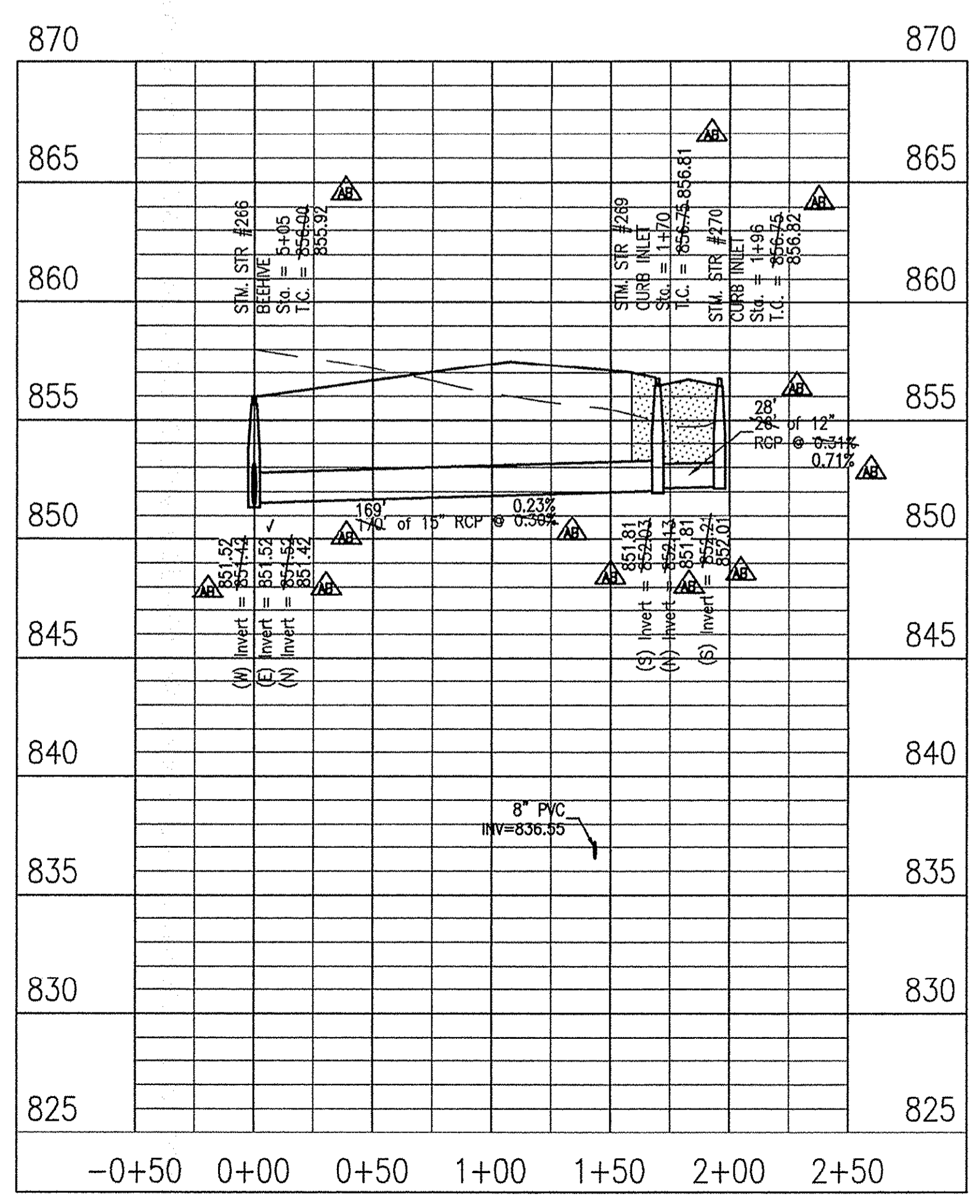
JOSHUA DAVID WERNER, LS21200020

- ▲ AS-BUILT INFORMATION
- ✓ BUILT AS PLANNED



LEGEND

- EXISTING GRADE
- FINISHED GRADE
- ▨ GRANULAR BACKFILL



NOTE (PER 7.09 (D)):
 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 SEWER IS 18" OR LESS.

NOTE:
 GRANULAR BACKFILL REQUIRED WHERE TRENCH OPENING ENCROACHES TO WITHIN 5'-0" OF SIDEWALK OR PAVEMENT.

RECORD DRAWING FINAL CONSTRUCTION PLANS — 09/05/2014

10505 N. College Avenue
 Indianapolis, Indiana 46280
 weihc.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

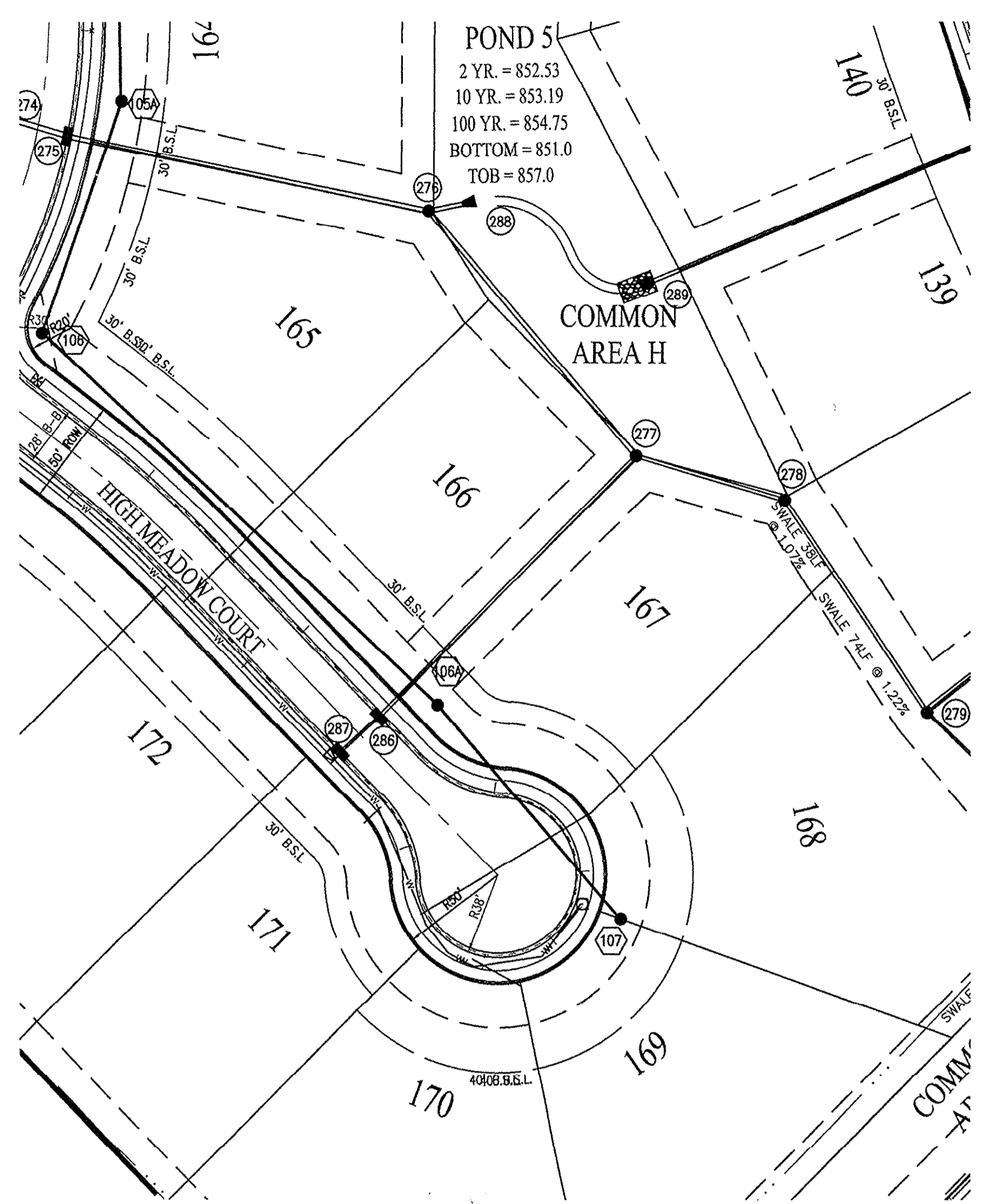
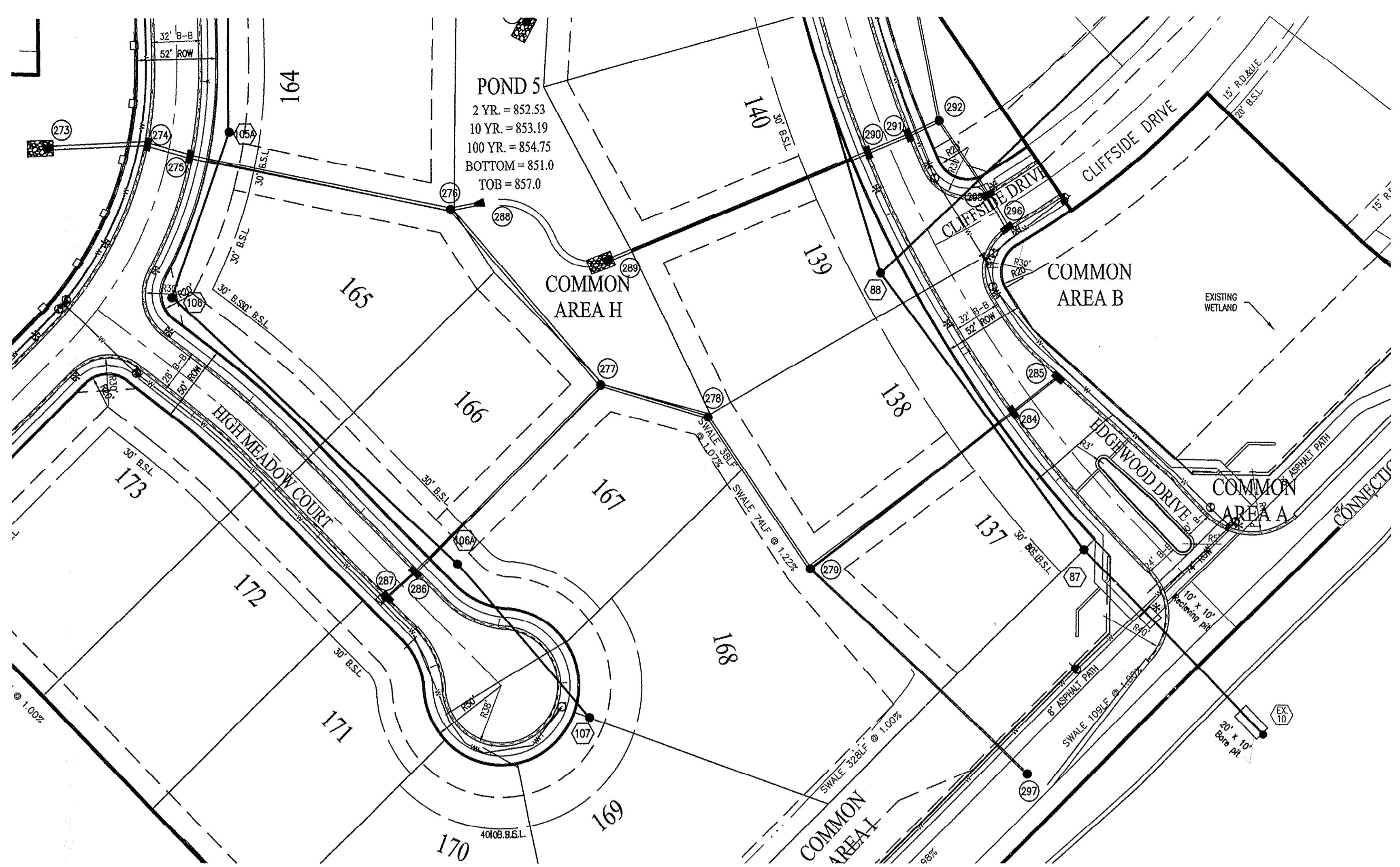
PROJECT NO.: W13.0129
 DATE: 09/05/2014
 DESIGNED BY: RHE
 DRAWN BY: JES
 CHECKED BY: JES



ALYNN R. SKOOG JR., PE 60980573

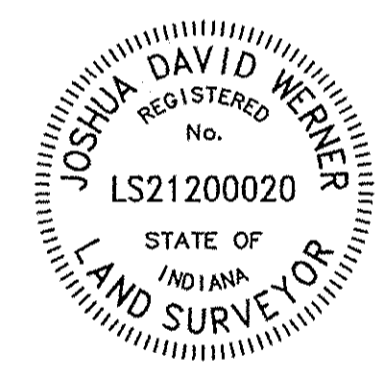
PREPARED FOR:
THE RIDGE AT FLAT FORK SECTION ONE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 STORM SEWER PLAN & PROFILE

SHEET NO.
C602
 PROJECT NO.
 W13.0129

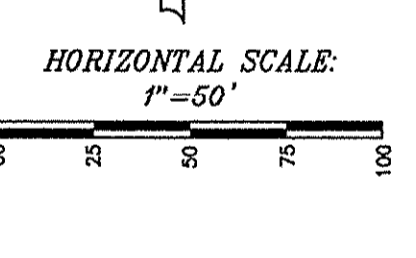


RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 01/21/2016

JOSHUA DAVID WERNER, LS21200020



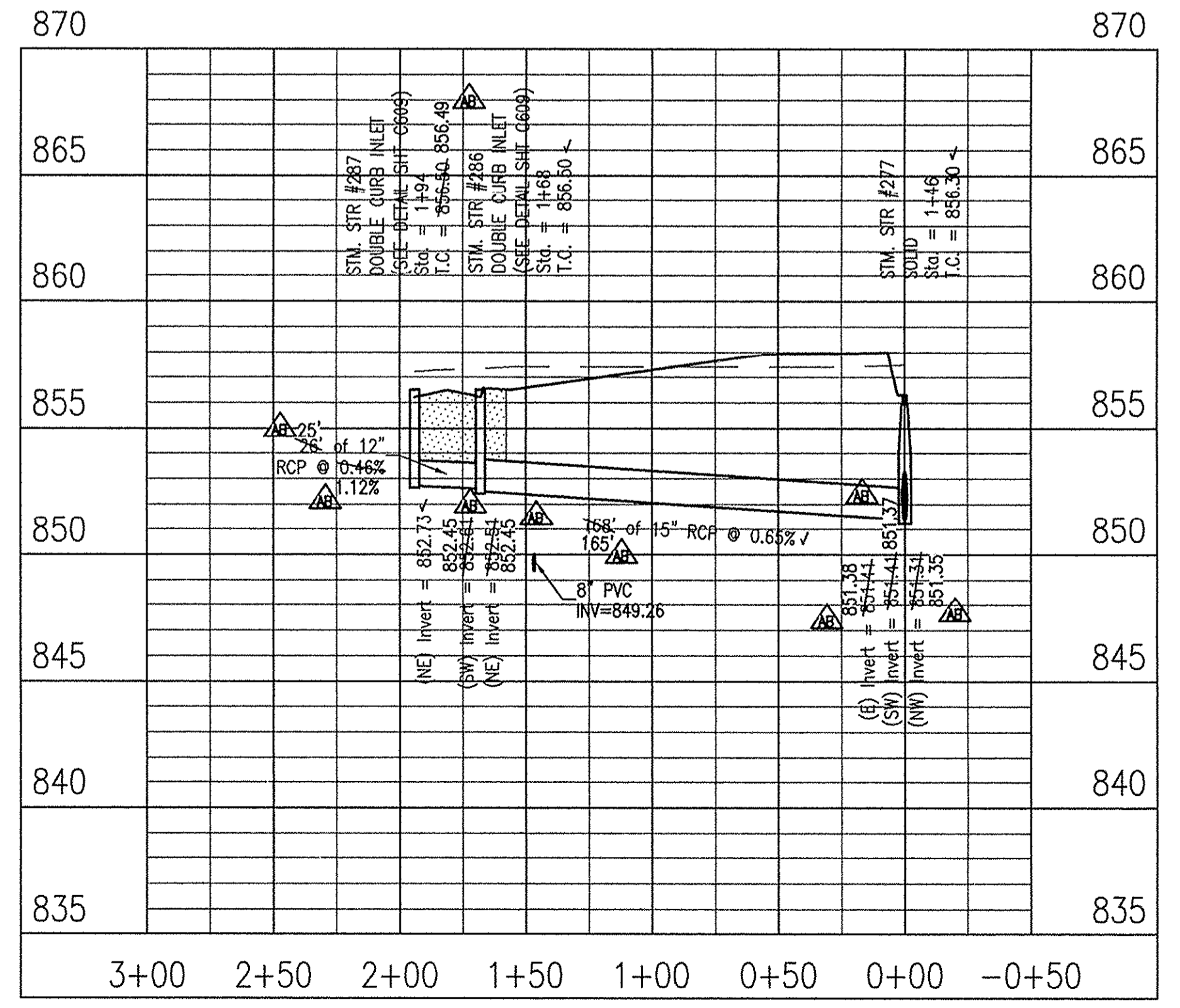
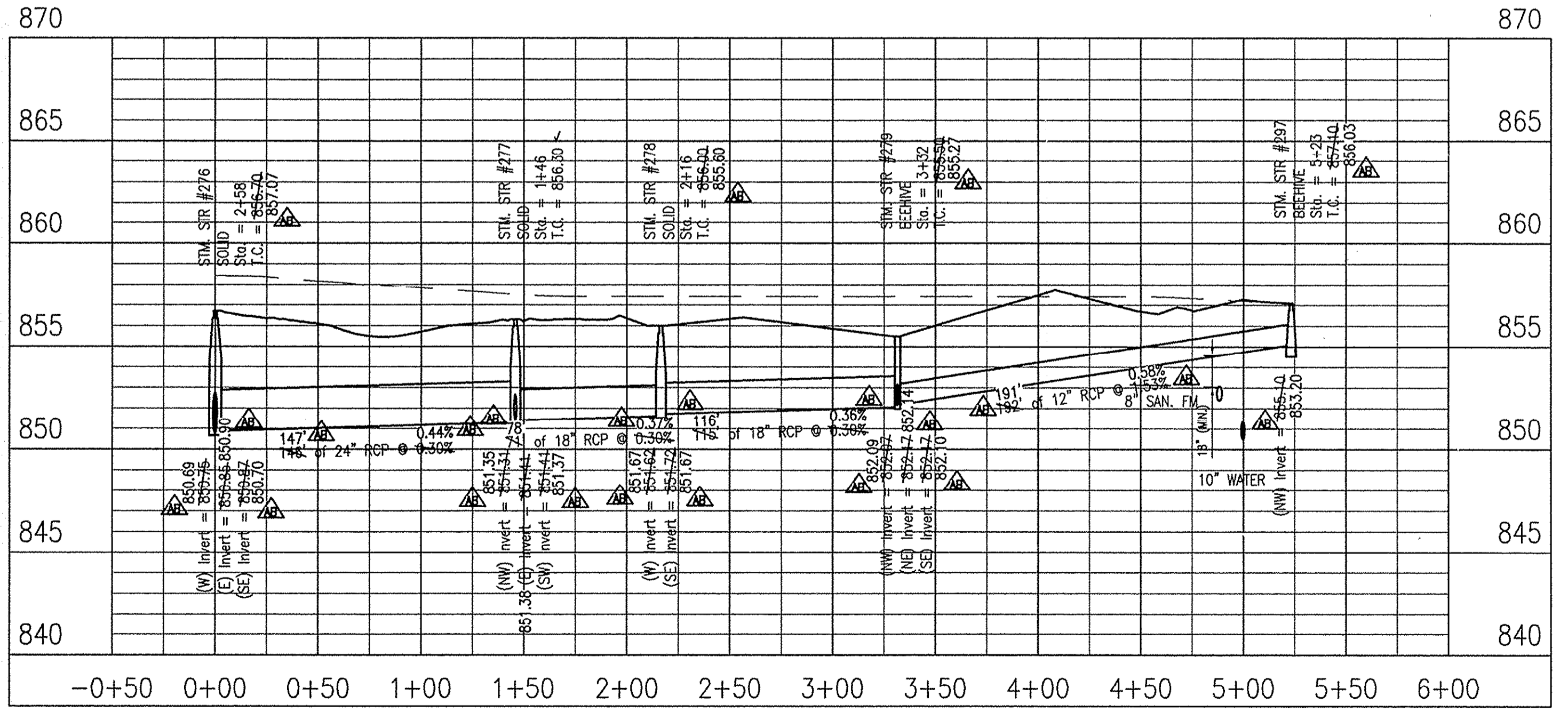
NOTE:
 GRANULAR BACKFILL REQUIRED WHERE TRENCH OPENING
 ENCROACHES TO WITHIN 5'-0" OF SIDEWALK OR PAVEMENT.



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: 9-2016
 Entered By: SLM

LEGEND	
	EXISTING GRADE
	FINISHED GRADE
	GRANULAR BACKFILL

- AS-BUILT INFORMATION
- BUILT AS PLANNED



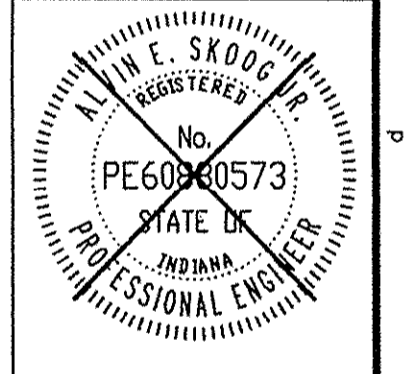
10505 N. College Avenue
 Indianapolis, Indiana 46280
 weithe.net
 317 | 846 - 6611
 800 | 452 - 6408
 317 | 843 - 0546 fax

WEIHE ENGINEERS
 Land Surveying | Civil Engineering
 Landscape Architecture

PROJECT NO.	DATE
W13.0129	09.05.2014

BY: [Signature]
 DATE: [Blank]

REVISIONS AND ISSUES

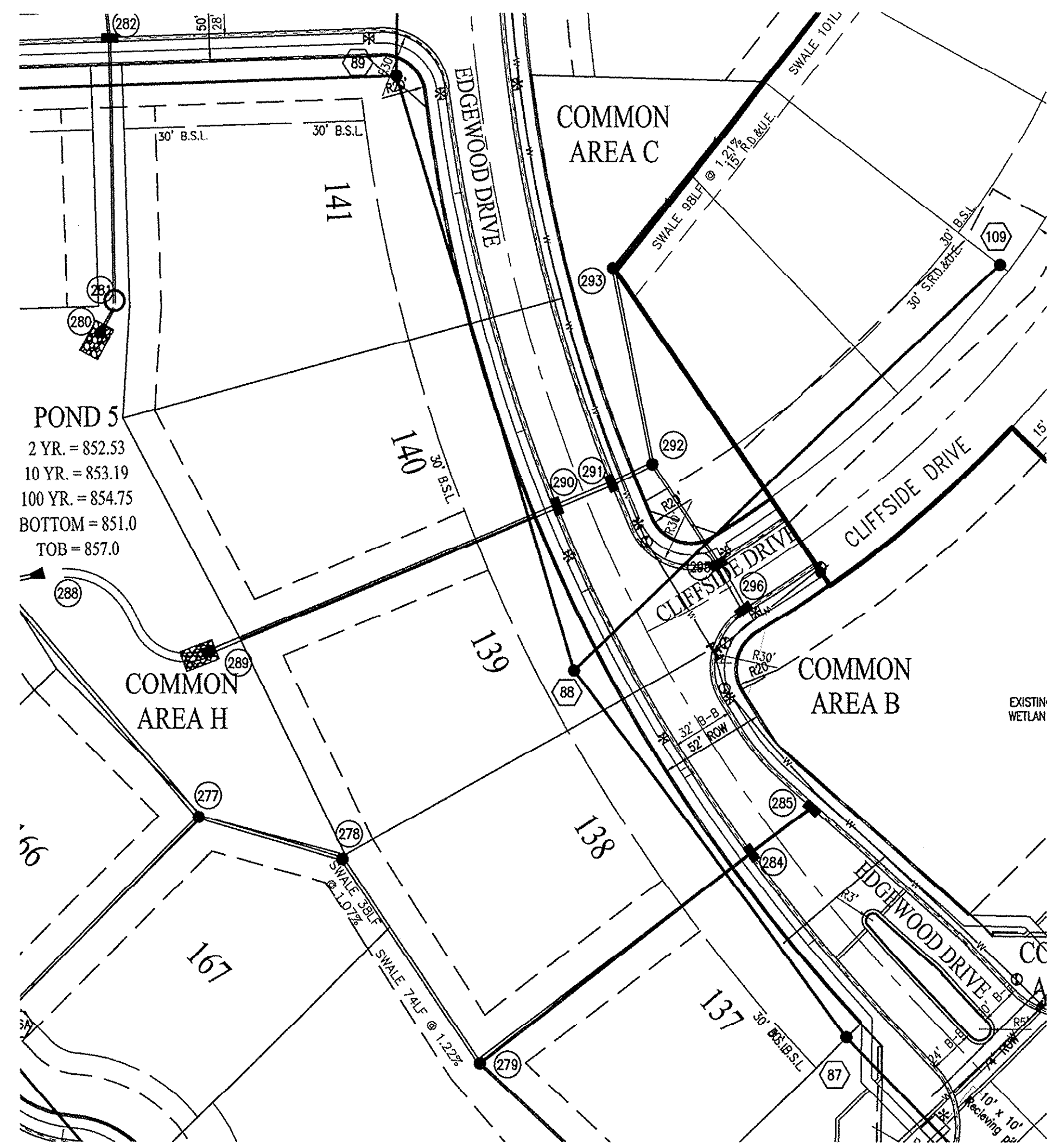
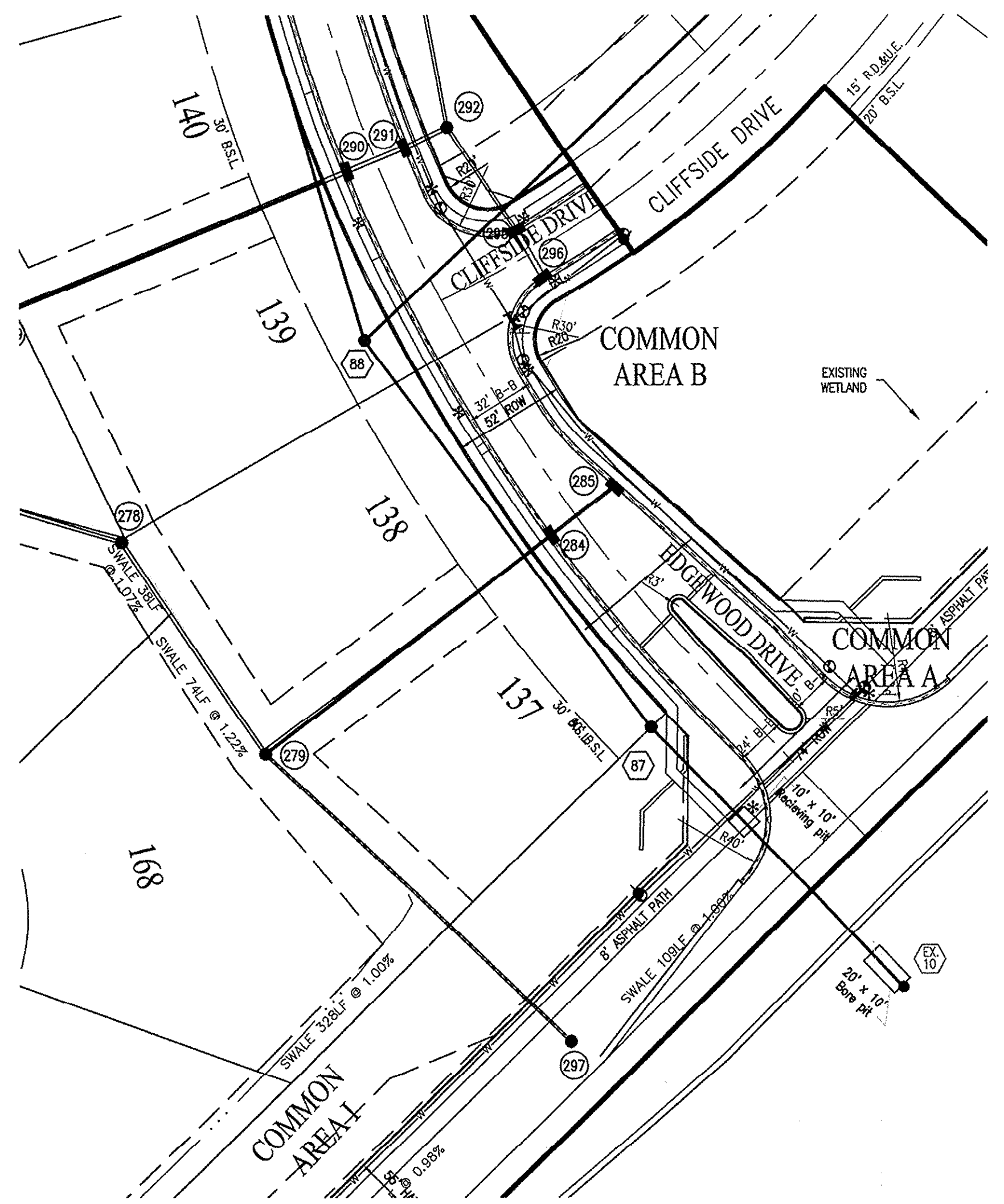


ALVIN R. SKOOG JR., PE 6080573

PREPARED FOR:
THE RIDGE AT FLAT FORK SECTION ONE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 STORM SEWER PLAN & PROFILE
 Part of the SR 55, 1/4 of Section 15, Township 17 North, Range 6 East, Cook County, Hamilton County, Indiana

SHEET NO.
C603
 PROJECT NO.
 W13.0129

Location: H:\2013\W13.0129\Section C11\Engineering\Drawings\Vertical\A6_C603_Storm_Plan.dwg
 User: JAW
 Date: 09/05/2014 11:10:10
 Plotted By: JAW



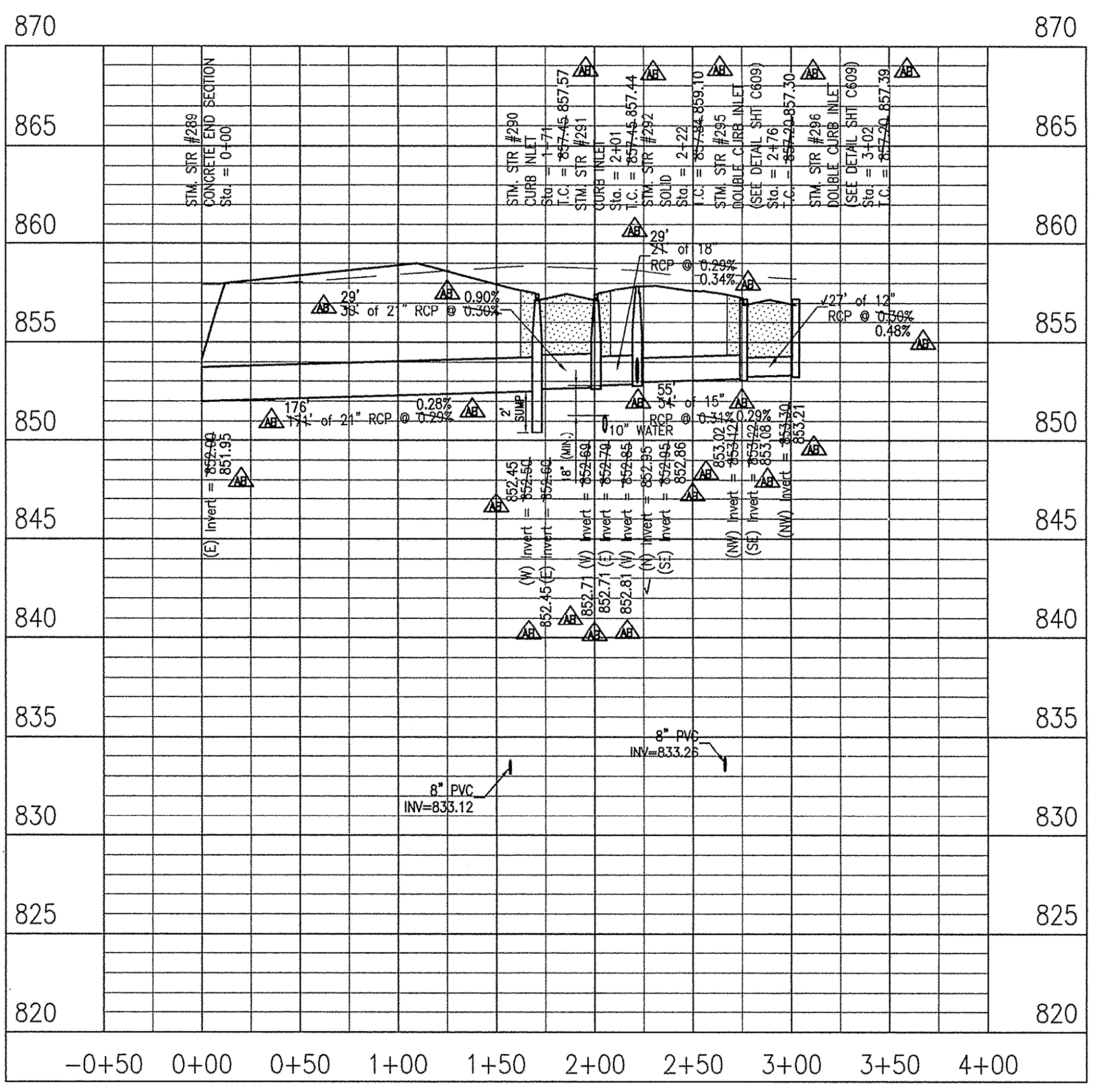
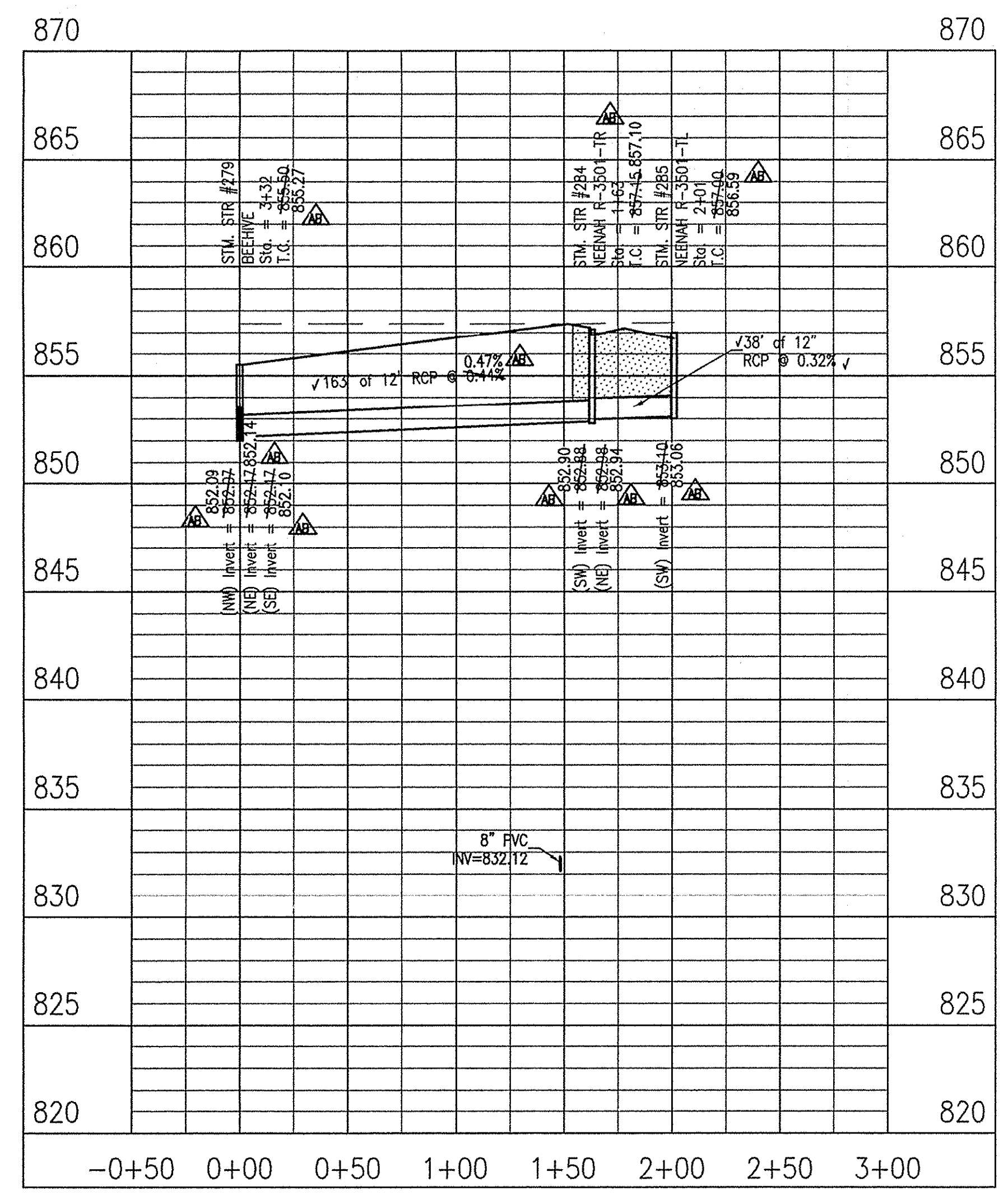
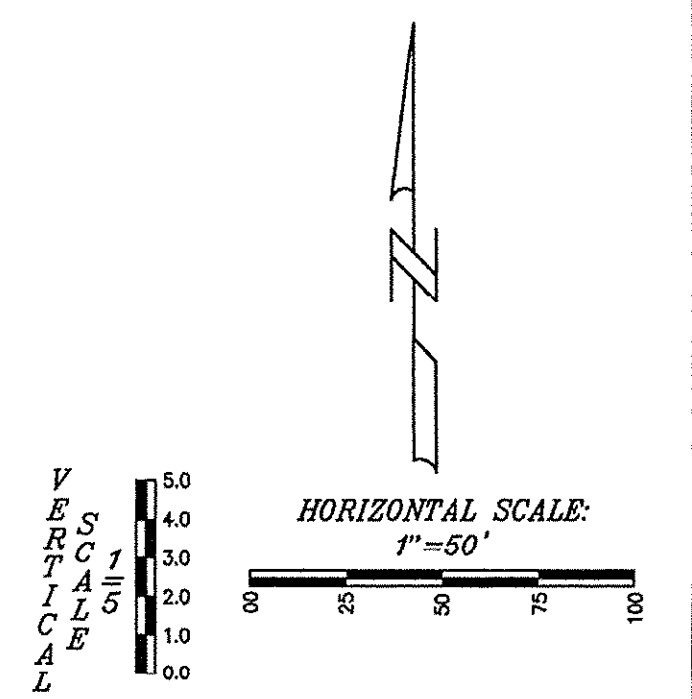
POND 5
 2 YR. = 852.53
 10 YR. = 853.19
 100 YR. = 854.75
 BOTTOM = 851.0
 TOB = 857.0



RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 01/21/2016

JOSHUA DAVID WERNER, LS21200020

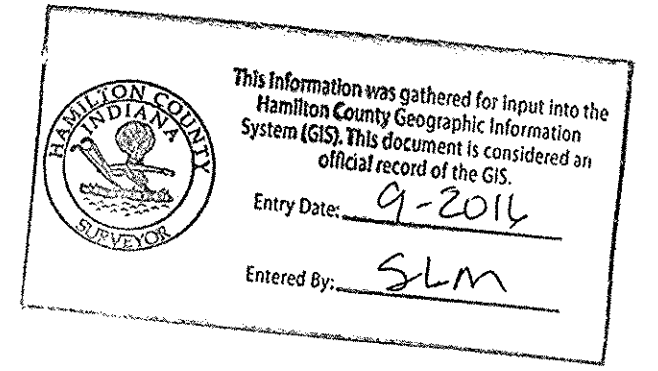
- ▲ AS-BUILT INFORMATION
- ✓ BUILT AS PLANNED



NOTE:
 GRANULAR BACKFILL REQUIRED WHERE TRENCH OPENING ENCRONES TO WITHIN 5'-0" OF SIDEWALK OR PAVEMENT.

LEGEND

	EXISTING GRADE
	FINISHED GRADE
	GRANULAR BACKFILL

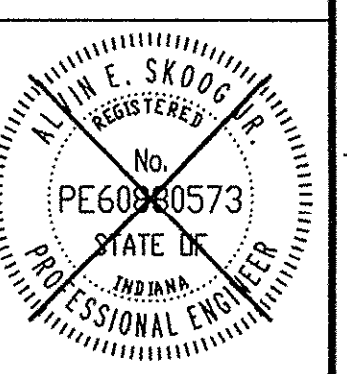


This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: 9-2014
 Entered By: SLM

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

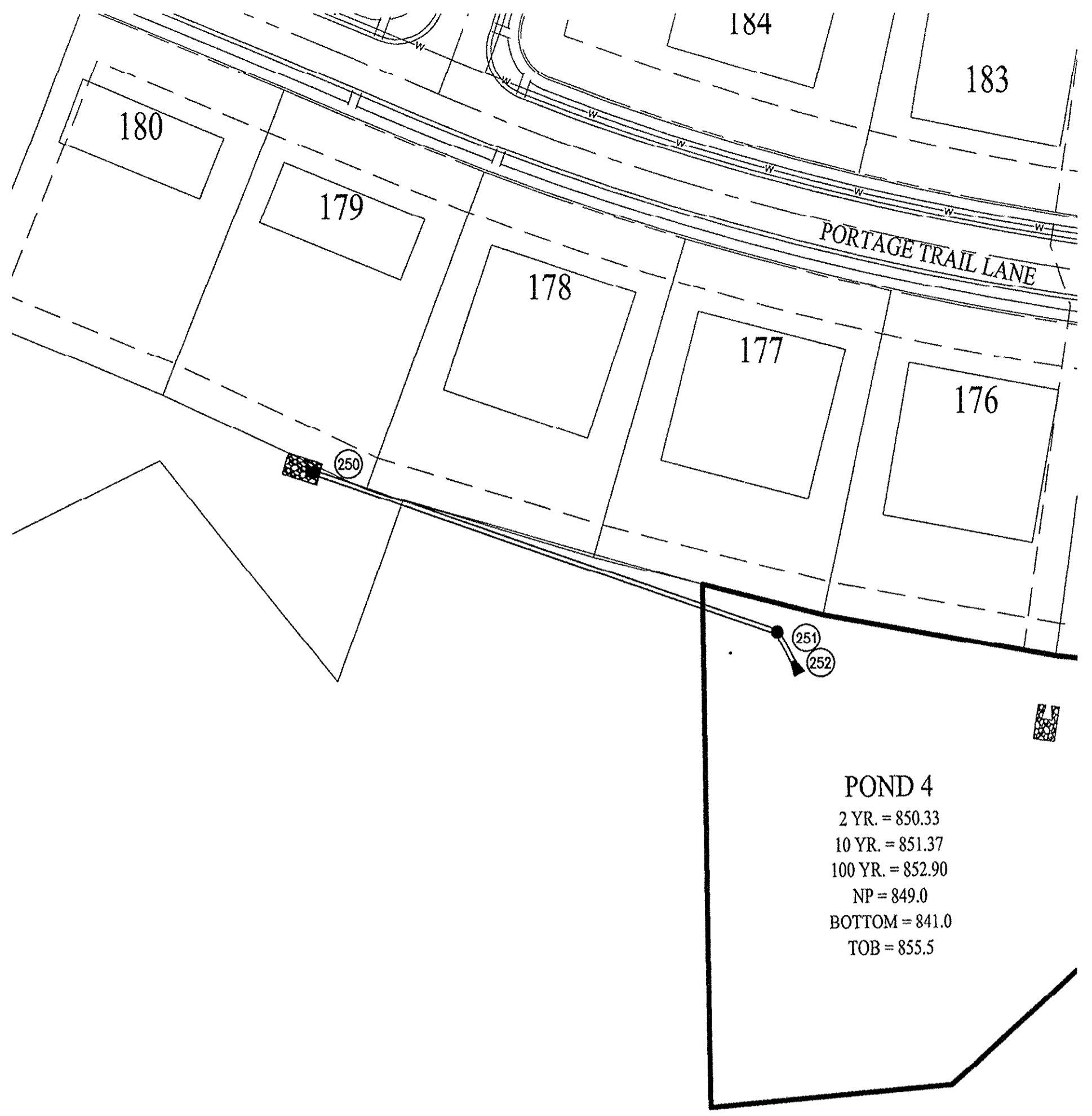
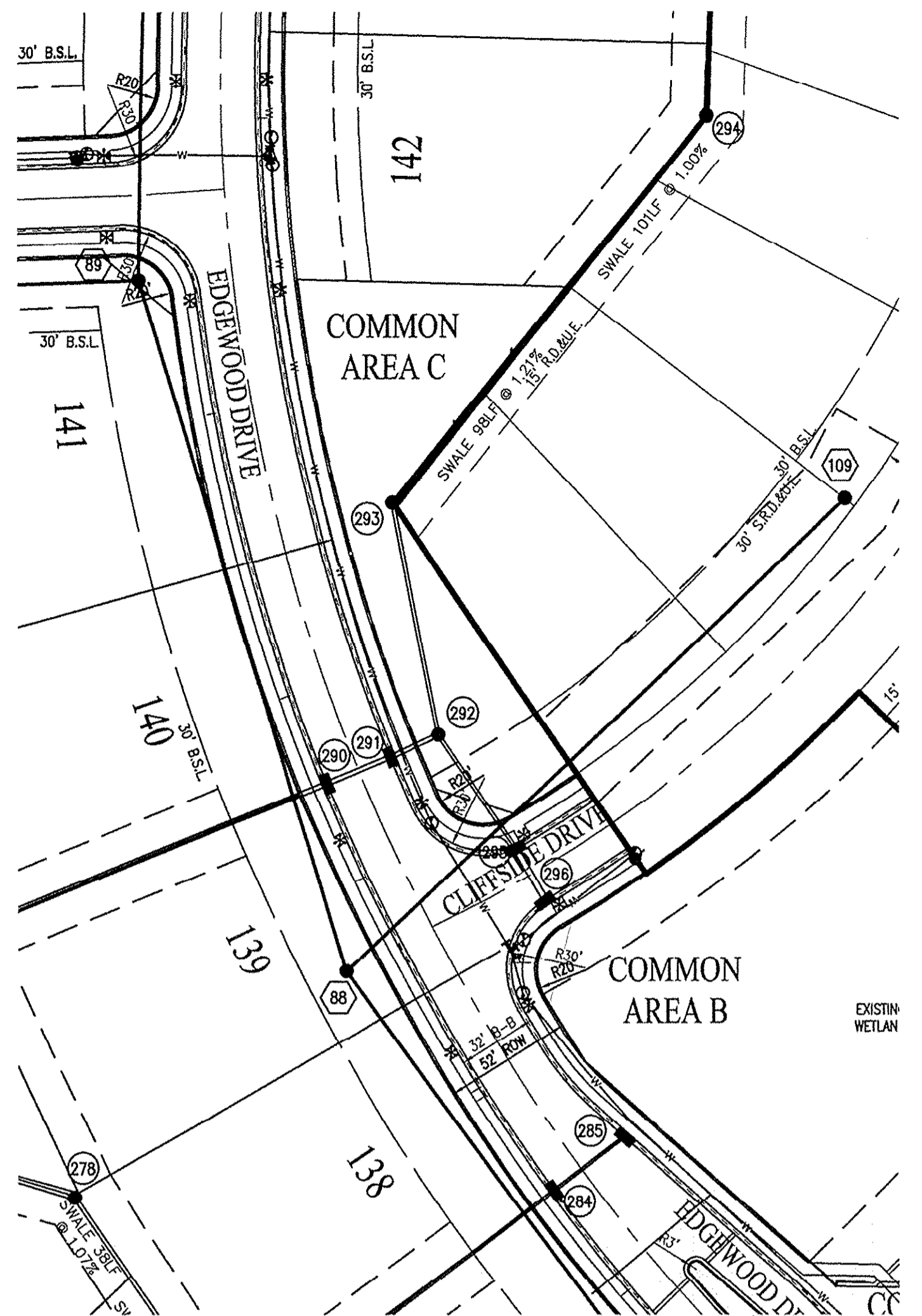
PROJECT NO.	13012
TITLE	AS BUILT STORM PIP
DESIGNED BY	RD
DRAWN BY	RD
CHECKED BY	JES
DATE	09-05-2014



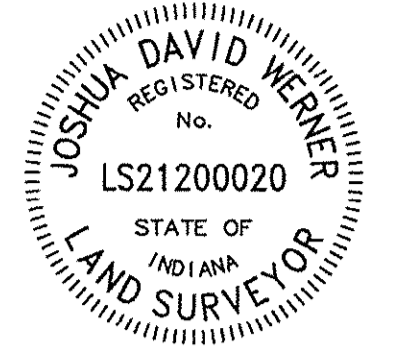
ALVIN F. SKOOG JR., PE 6090573

PREPARED FOR:
THE RIDGE AT FLAT FORK SECTION ONE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 STORM SEWER PLAN & PROFILE
 Part of the SESE #14 of Section 15, Township 17 North, Range 6 East, Bell State Township, Hamilton County, Indiana

SHEET NO.
C604
 PROJECT NO.
 W13.0129



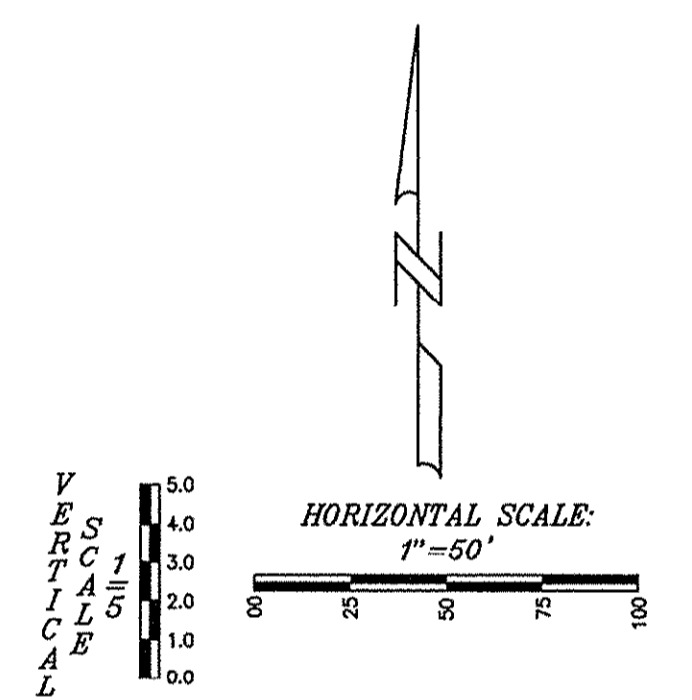
POND 4
 2 YR. = 850.33
 10 YR. = 851.37
 100 YR. = 852.90
 NP = 849.0
 BOTTOM = 841.0
 TOB = 855.5



RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 01/21/2016

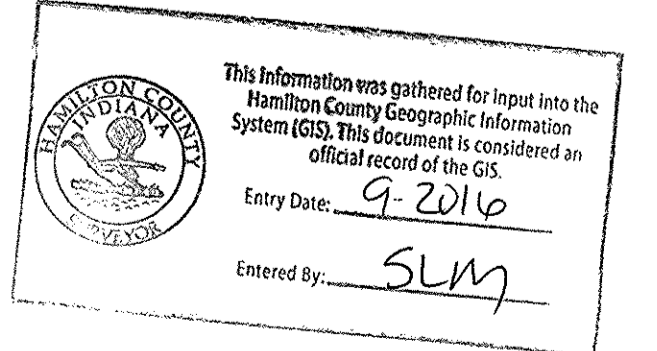
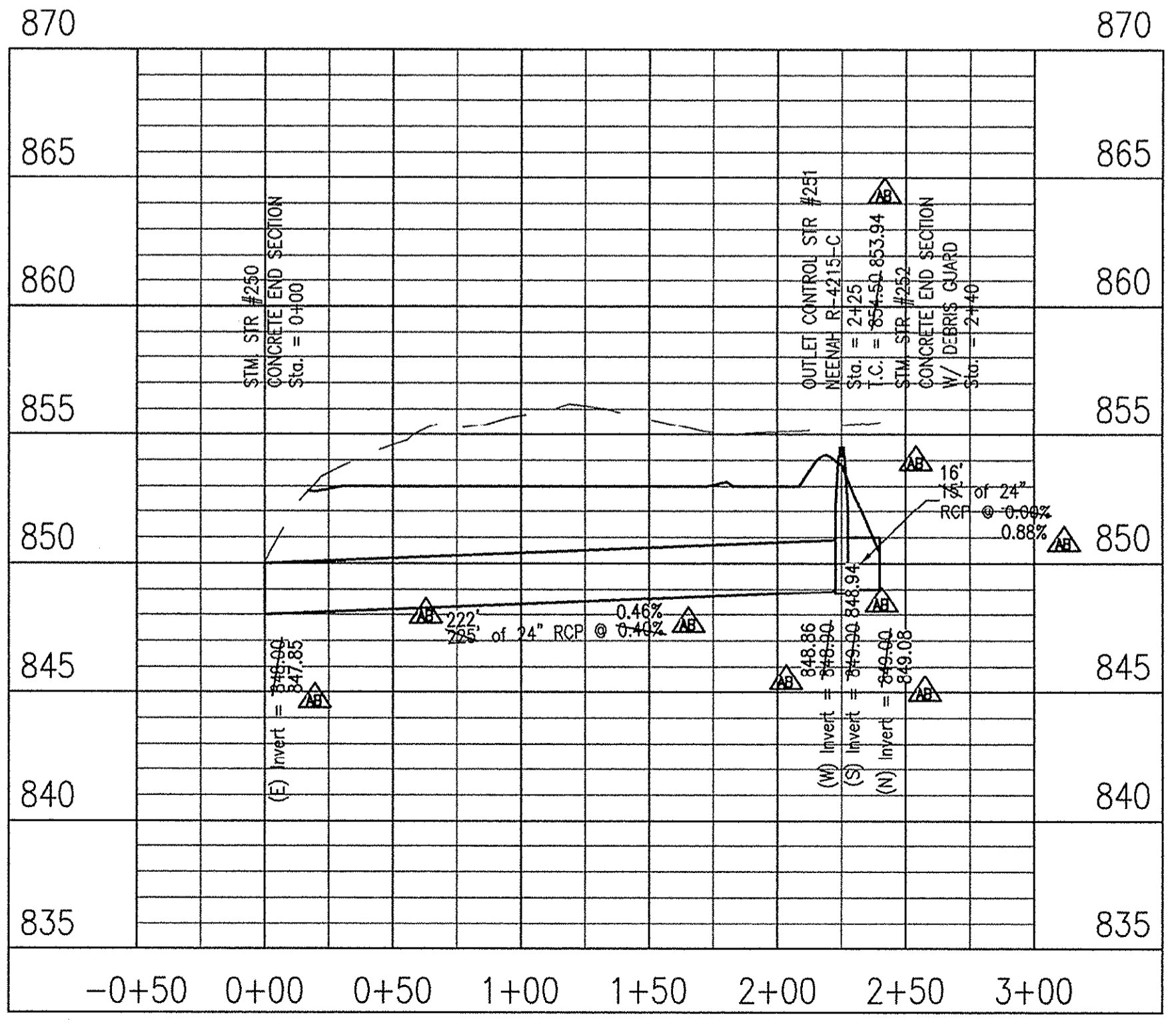
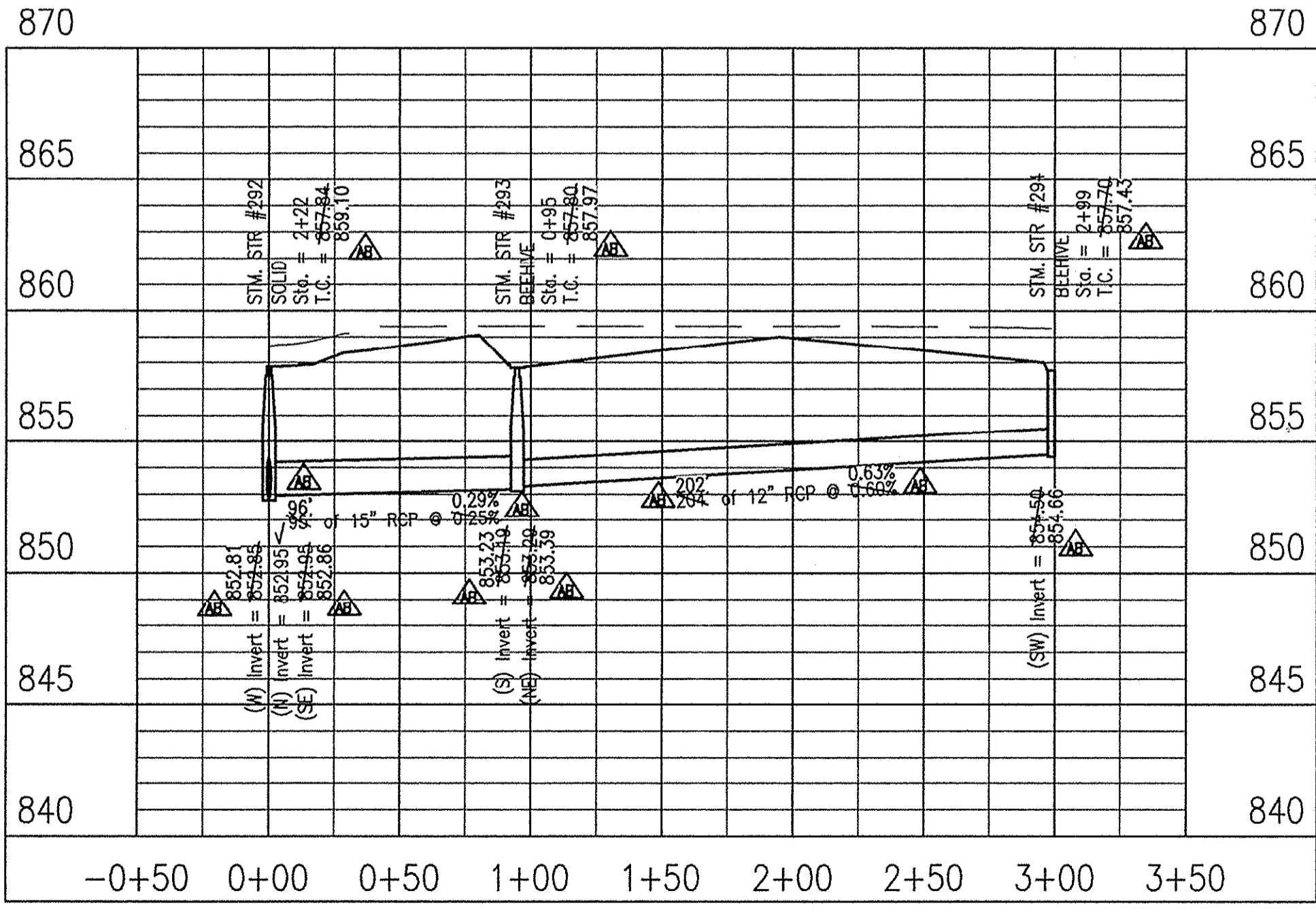
JOSHUA DAVID WERNER, LS21200020

- ▲ AS-BUILT INFORMATION
- ✓ BUILT AS PLANNED



NOTE:
 GRANULAR BACKFILL REQUIRED WHERE TRENCH OPENING ENCRoACHES TO WITHIN 5'-0" OF SIDEWALK OR PAVEMENT.

LEGEND	
	EXISTING GRADE
	FINISHED GRADE
	GRANULAR BACKFILL



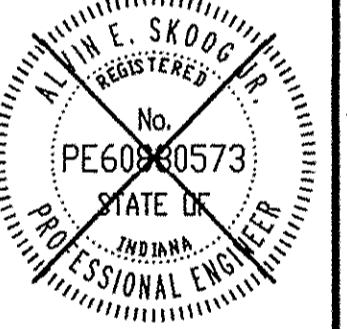
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
 Entry Date: 9-2016
 Entered By: SLM

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.: 1728
 DATE: 04-11-2013
 BY: EEF

REVISIONS AND ISSUES
 REVISIONS PER D.O.L. COMMENTS

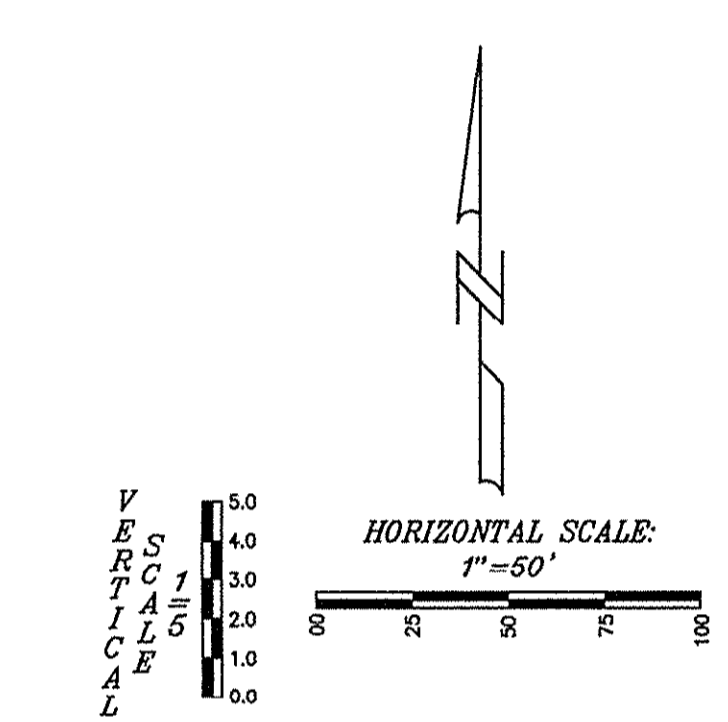
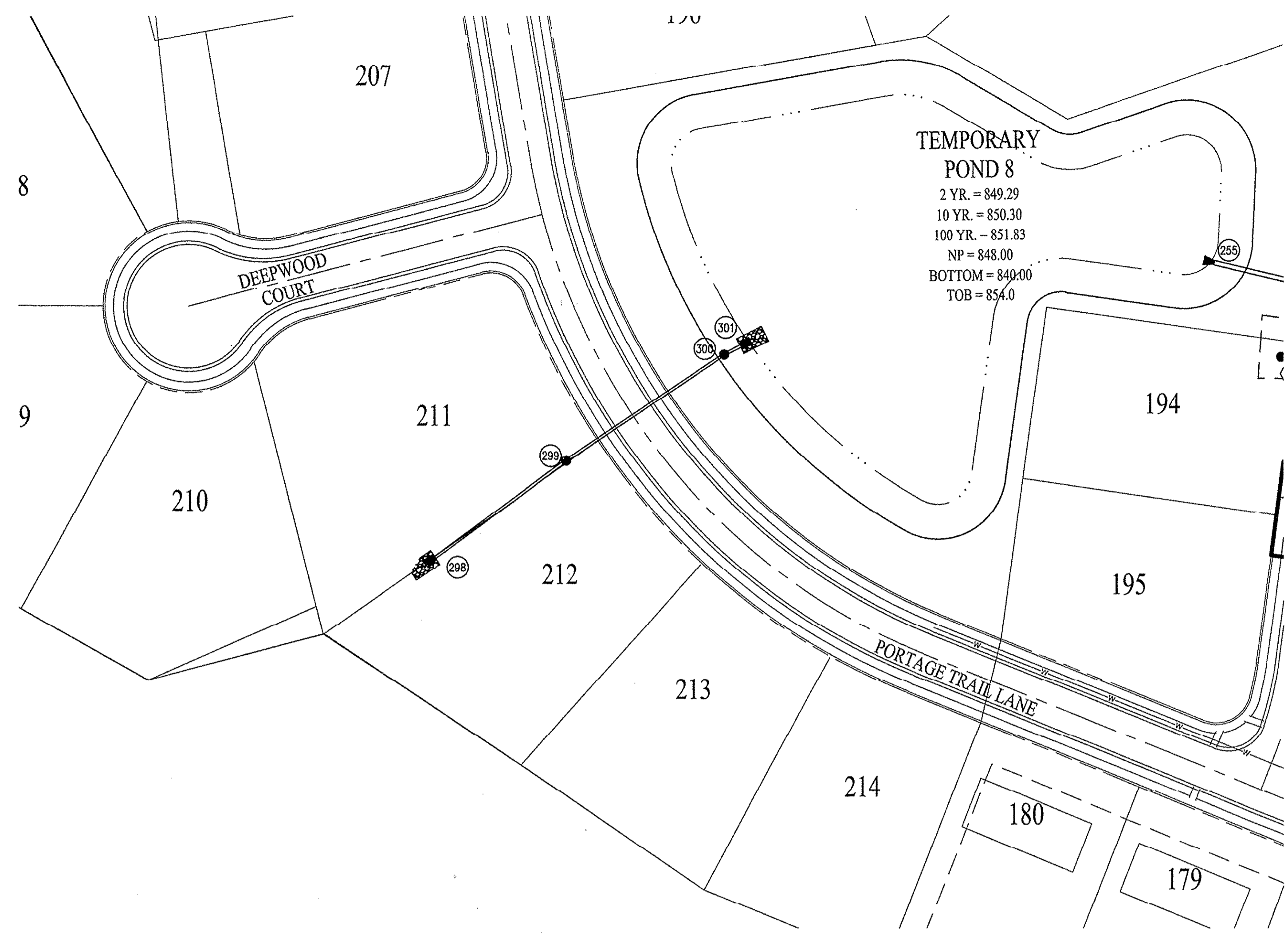


ALVIN E. SKOOG JR., PR. RB00573

PREPARED FOR:
THE RIDGE AT FLAT FORK SECTION ONE
 NORTH CONNECTICUT DEVELOPMENT CORP.
 STORM SEWER PLAN & PROFILE
 Part of the 2012 I/P of Section 16, Township 17 North, Range 6 East, Full Creek Township, Hamilton County, Indiana

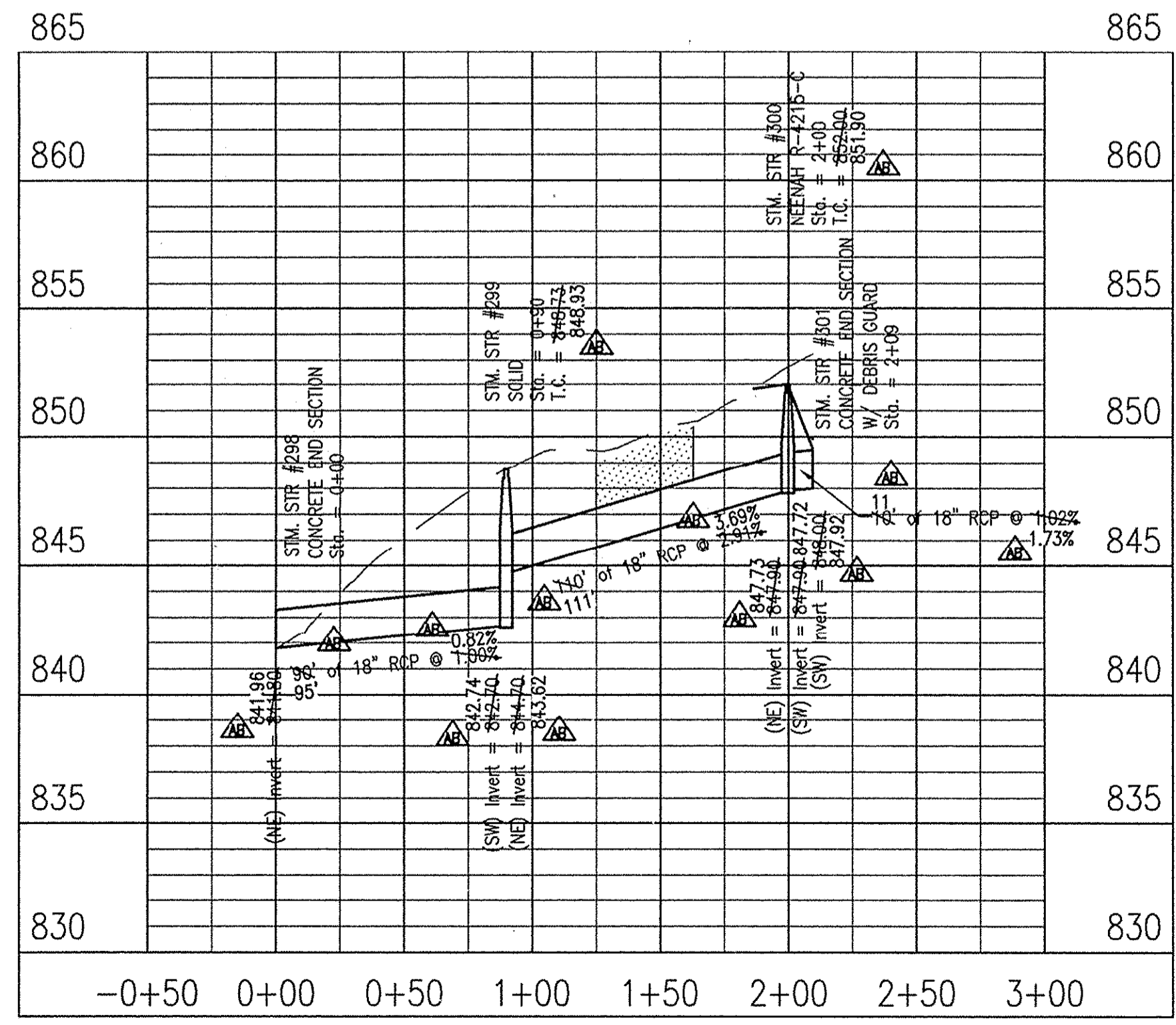
SHEET NO.
C605
 W13.0129

LOCATION: H:\2013\1728\1728\Section 1\1728\Storm Plan.dwg
 DATE: 09/05/2014
 PLOTTED BY: horkup



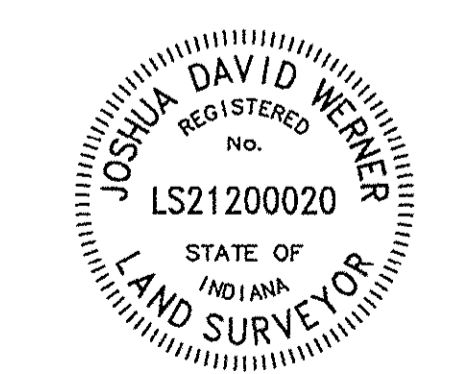
NOTE:
GRANULAR BACKFILL REQUIRED WHERE TRENCH OPENING
ENCROACHES TO WITHIN 5'-0" OF SIDEWALK OR PAVEMENT.

STORM 302



LEGEND	
	EXISTING GRADE
	FINISHED GRADE
	GRANULAR BACKFILL

RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
01/21/2016
Joshua David Werner
JOSHUA DAVID WERNER, LS21200020



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.
Entry Date: 9-2016
Entered By: SLM

- AS-BUILT INFORMATION
- BUILT AS PLANNED

10505 N. College Avenue
Indianapolis, Indiana 46280
weihe.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.	DATE	BY
W13.0129		
FIG NAME:		
AS BUILT Storm PIP		
DESIGNED BY:		
DATE		
DRAWN BY:		
CHECKED BY:		
DATE:		
	09/05/2014	

REVISIONS AND ISSUES

PREPARED FOR:
THE RIDGE AT FLAT FORK SECTION ONE
NORTH CONNECTICUT DEVELOPMENT CORP.
STORM SEWER PLAN & PROFILE
Part of the SESE / 1/4 of Section 15, Township 17 North, Range 6 East, Paul Creek Township, Hamilton County, Indiana

SHEET NO.
C606
PROJECT NO.
W13.0129

Location: H:\GIS\W130129\Section 15\Engineering\Map\Verbs\AS-Built\AS-Built\Storm PIP.dwg
Date/Time: 09/05/2014 11:10:00 AM
Plotted By: hweide

SEE SHEET C701

FUTURE SECTION

FUTURE SECTION

FUTURE SECTION

COMMON AREA A

POND 5
2 YR. = 852.53
10 YR. = 853.19
100 YR. = 854.75
BOTTOM = 851.0
TOB = 857.0

LEGEND

- EW Existing WATER MAIN
- W Proposed WATER MAIN
- Existing Hydrant with Hydrant Valve
- Hydrant with Hydrant Valve
- Valve
- Tees
- Crosses
- Reducer
- Gas Lines
- Telephone Lines
- Electric Lines
- D.I.P. 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

NOTES:

1. 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.
2. WATER TAP FEES WILL BE PAID AT THE TIME OF ACQUIRING THE BUILDING PERMIT.

WATER MAIN NOTES:

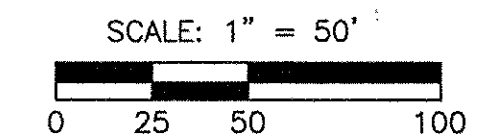
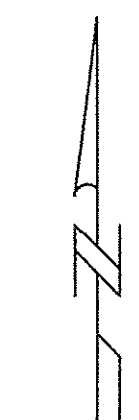
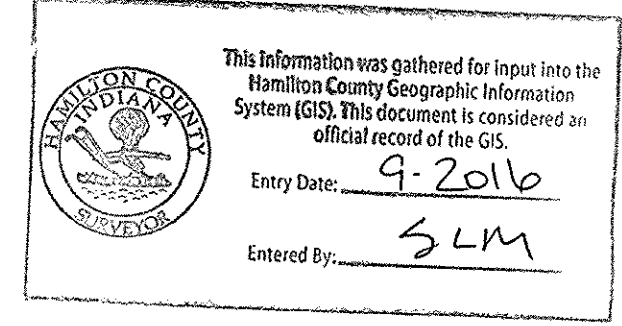
1. ALL FIRE HYDRANTS SHALL BE PAINTED PER FORTVILLE SPECIFICATIONS AND STANDARDS.
2. FIRE HYDRANTS SHALL HAVE 5 INCH STORZ'S CONNECTION (APPROVED BY FISHERS FIRE).
3. IF WATER MAIN IS 12 INCHES OR SMALLER, THEN C900 PIPE CAN BE USED.
4. MAIN SHALL BE BEDDED WITH SAND 6 INCHES UNDER AND 12 INCHES OVER 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 POST-CAP INSTALLED AND HAVE STAINLESS STEEL STEMS.
11. WATER MAIN MUST MEET CURRENT FORTVILLE WATER DETAILS AND SPECIFICATIONS.
12. ALL WATER 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 IN THE FUTURE.
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

RECORD DRAWING

WATER AS-BUILTS
WATER STRUCTURES ONLY
01/21/2016
JOSHUA DAVID WERNER, LS21200020



- AS-BUILT INFORMATION
- BUILT AS PLANNED
- AS-BUILT TEE
- AS-BUILT FIRE HYDRANT
- AS-BUILT WATER VALVE
- AS-BUILT BLOW OFF



RECORD DRAWING FINAL CONSTRUCTION PLANS 09/05/2014

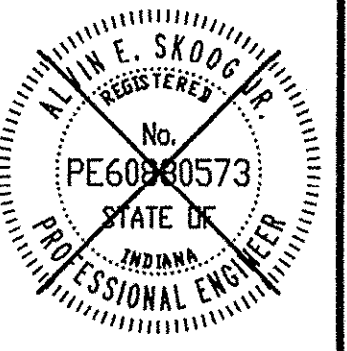
10505 N. College Avenue
Indianapolis, Indiana 46280
weite.net
317 | 846 - 6611
800 | 846 - 6408
317 | 843 - 0546 fax
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture

PROJECT NO.:	W13.0129
DATE:	09/05/2014
DESIGNED BY:	RME
DRAWN BY:	DFL
CHECKED BY:	DFL
DATE:	09/05/2014

REVISIONS AND ISSUES

NO.	DATE	DESCRIPTION



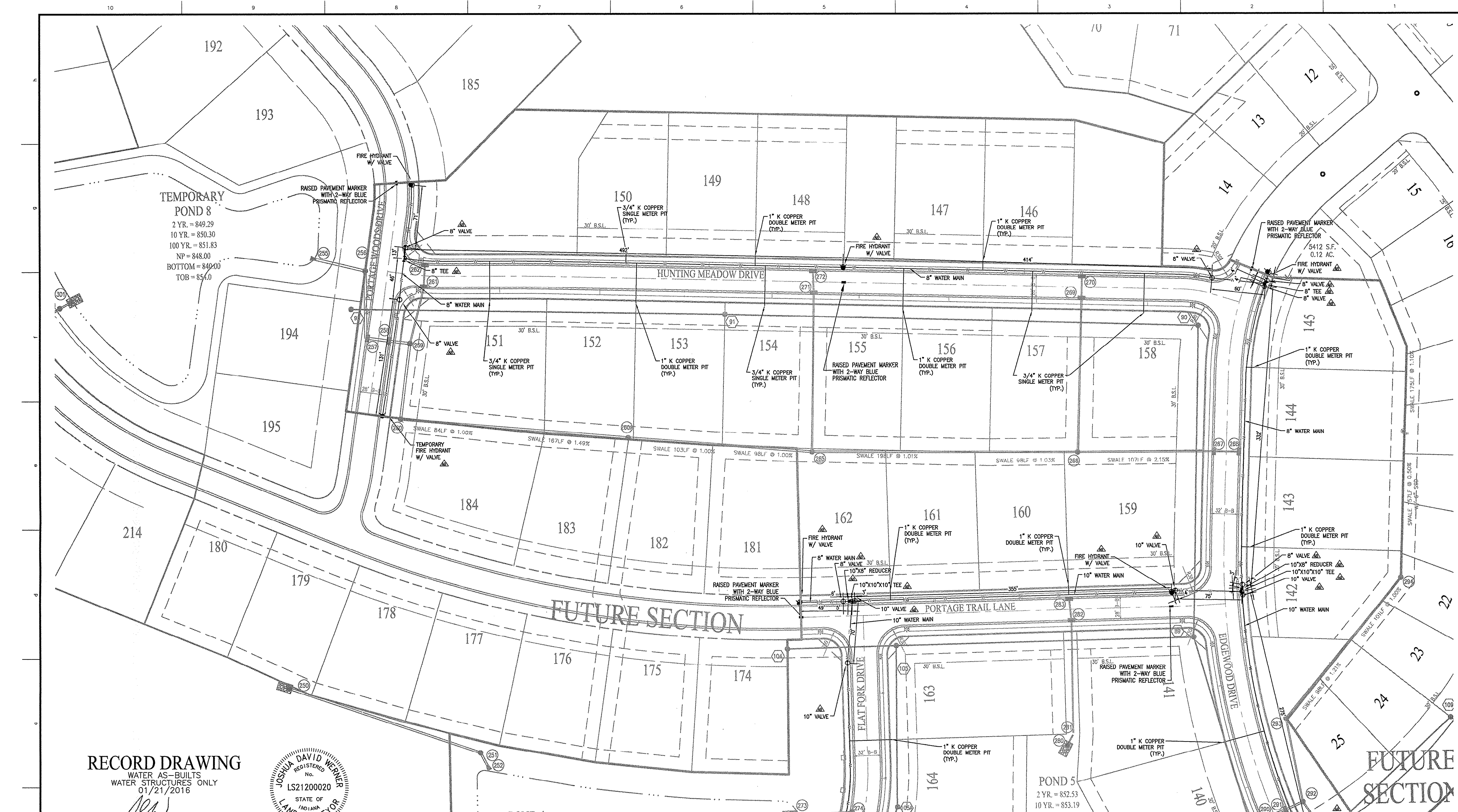
ALVIN R. SKOOG JR., PE 6080573

PREPARED FOR:

THE RIDGE AT FLAT FORK SECTION ONE
NORTH CONNECTICUT DEVELOPMENT CORP.
WATER MAIN PLAN

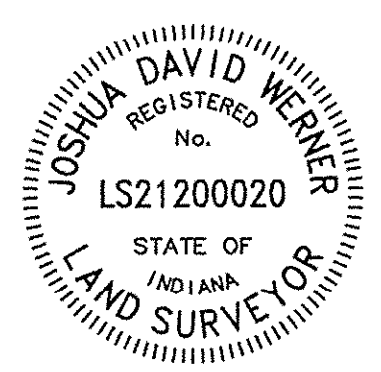
SHEET NO.
C700
PROJECT NO.
W13.0129

LOCATION: W:\2013\W130129\Section C1\Engineering\design\weite\weite\W13_C0700_Water_Main.dwg
DATE: 09/05/2014 11:10:58 AM
PLOTTER: HP DesignJet T1100e
PLOTTER DRIVER: HPGL-ETL



TEMPORARY POND 8
 2 YR. = 849.29
 10 YR. = 850.30
 100 YR. = 851.83
 NP = 848.00
 BOTTOM = 849.00
 TOB = 854.0

RECORD DRAWING
 WATER AS-BUILTS
 WATER STRUCTURES ONLY
 01/21/2016



JOSHUA DAVID WERNER, LS21200020

- AS-BUILT INFORMATION
- BUILT AS PLANNED
- AS-BUILT TEE
- AS-BUILT FIRE HYDRANT
- AS-BUILT WATER VALVE
- AS-BUILT BLOW OFF

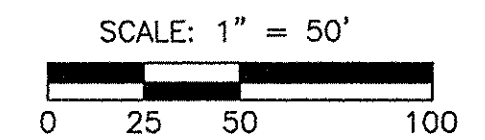
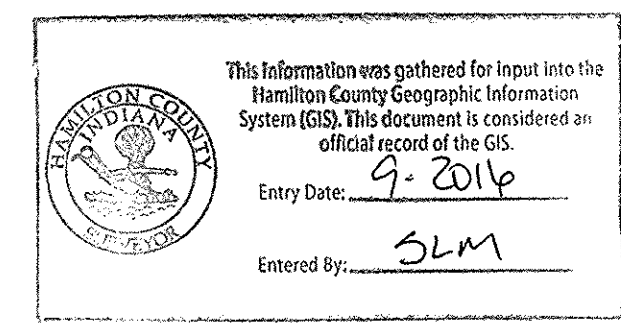
- LEGEND**
- EW Existing WATER MAIN
 - Proposed WATER MAIN
 - Existing Hydrant with Hydrant Valve
 - Hydrant with Hydrant Valve
 - Valve
 - Tee
 - Cross
 - Reducer
 - Gas Lines
 - UT Telephone Lines
 - UE Electric Lines
 - D.I.P. Ductile Iron Pipe
 - Y 1" Type K Copper or Poly w/ double meter pit
 - 1 3/4" Type K Copper or Poly w/ single meter pit
 - Water Lateral As-Built Location

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).
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 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 IN THE FUTURE.
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

NOTES:

1. 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.
2. WATER TAP FEES WILL BE PAID AT THE TIME OF ACQUIRING THE BUILDING PERMIT.



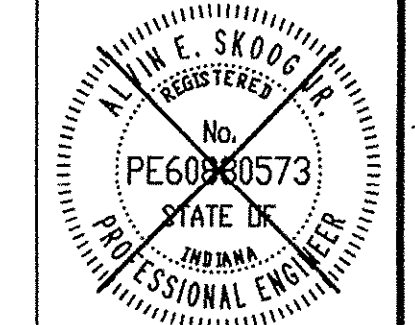
RECORD DRAWING FINAL CONSTRUCTION PLANS — 09/05/2014

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

WEIHE ENGINEERS
 Land Surveying | Civil Engineering
 Landscape Architecture

PROJECT NO.	W13.0129
DWG. NAME	AS BUILT WATER MAIN PLAN
DESIGNED BY	RAE
DRAWN BY	RAE
CHECKED BY	JES
DATE	09-05-2014

REVISIONS AND ISSUES



ALVIN R. SKOOC JR., PE 60980573

PREPARED FOR:
THE RIDGE AT FLAT FORK SECTION ONE
 NORTH CONNECTICUT DEVELOPMENT CORP.
WATER MAIN PLAN
 Part of the 5848' (1/4) Section 15, Township 17 North, Range 6 East, Paul Creek Township, Hamilton County, Indiana

SHEET NO.
C701
 PROJECT NO.
 W13.0129

LOCATION: H:\2013\W130129\Section C1\Engineering\Drawings\Submittal\AS BUILT\AS BUILT\WATER MAIN PLAN.dwg
 DATE PLOTTED: 09/05/2014 10:40am
 PLOTTED BY: hankie