

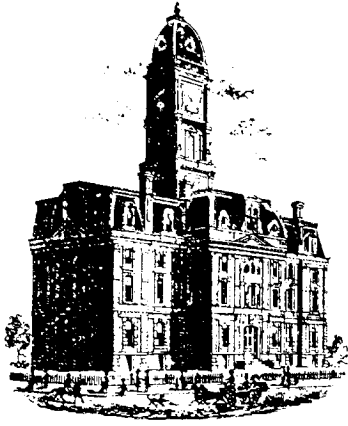
**Drain:** Long Branch Drain

**Improvement-Arm:** The Sanctuary at 116<sup>th</sup> Street Section 2 Arm

**Date Approved:** January 28, 2008

### Drain Input Checklist

- Create Regulated Drain Record in Posse \_\_\_\_\_
  - Drain Type
  - Outlet (Tab)
  - Outlet Attached
  - Location
  - Twp
  - Certification
  - Drain Number
  
- Enter Improvement Arm in Posse January 29, 2008  
(Construction Amount = Storm Drains, Erosion Control, Sub-surface drain & Earthwork)
  
- Scan Documents \_\_\_\_\_
  - Surveyor's Report
  - Engineer's Estimate
  - Bonds
  - Findings and Order
  - Petition
  
- Create Posse Inspection Job \_\_\_\_\_
  
- Enter into Watershed Summary Spreadsheet \_\_\_\_\_
  
- Check for Vacation of Drain & Map Changes \_\_\_\_\_
  
- Check Drainage Easement Classification \_\_\_\_\_
  
- Sum drain length & Validate in GIS \_\_\_\_\_
  
- Enter New Watershed Length into Posse \_\_\_\_\_
  
- Create Boundary of Improvement in GIS \_\_\_\_\_



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 30, 2007

TO: Hamilton County Drainage Board

RE: Long Branch Drain, The Sanctuary at 116<sup>th</sup> Street Section 2 Arm.

Attached is a petition filed by Platinum Properties, LLC along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for The Sanctuary at 116<sup>th</sup> Street Section 2 Arm, Long Branch Drain to be located in Clay 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:

6" SSD	5,656 ft.	18" RCP	189 ft.	30" RCP	836 ft.
12" RCP	588 ft.	21" RCP	665 ft.		
15" RCP	246 ft.	24" RCP	619 ft.		

The total length of the drain will be 8,799 feet.

The retention pond (existing lake) located in Common Area Block "L" is to be considered part of the regulated drain. Pond maintenance shall include the inlet, outlet, sediment removal and erosion control along the banks as part of the regulated drain. The maintenance of the pond (existing lake) such as 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 (existing lake) was designed will be retained, thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines between lots or in rear yards. Only the main SSD lines, which are located within the easement and/or right of ways, 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 other than those under curbs are as follows:

140 feet along the rear property line of Lot 75, ending at Structure 2731 and 172 feet from the rear property line of Lot 72, ending at Structure 2724.

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 \$10.00 per acre for common areas and platted lots, \$10.00 per acre for roadways, with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$3,368.80.

The petitioner has submitted surety for the proposed drain at this time. The sureties which are in the form of a Performance Bond are as follows:

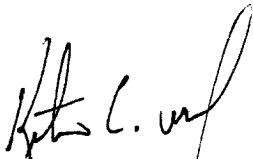
Agent: Bond Safeguard Insurance Company  
Date: September 4, 2007  
Number: 5029330  
For: Storm Sewers  
Amount: \$167,760.00

Agent: Bond Safeguard Insurance Company  
Date: September 4, 2007  
Number: 5029329  
For: Sub Surface Drains  
Amount: \$50,977.20

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 is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for The Sanctuary at 116<sup>th</sup> Street, Section 2A and 2B as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for January 28, 2008.



Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA     )  
  )  
COUNTY OF HAMILTON )

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

In the matter of           The Sanctuary at 116th Street           Subdivision, Section  
          Two   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 Sanctuary at 116th Street          , 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

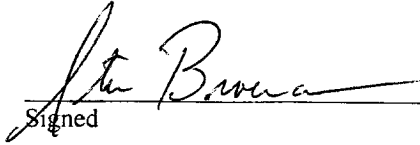
Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

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**

  
Signed

Steve Broermann  
Printed Name

9-18-07  
Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

STATE OF INDIANA        )  
  )  
COUNTY OF HAMILTON )

TO: HAMILTON COUNTY DRAINAGE BOARD

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

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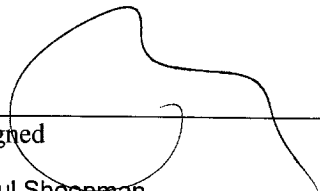
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The Petitioner further requests that the Drain be classified as an Urban Drain as per IC 36-9-27-69(d).

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

  
\_\_\_\_\_  
Signed  
Paul Shoopman  
\_\_\_\_\_  
Printed Name  
7-24-08  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Signed  
\_\_\_\_\_  
Printed Name  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Signed  
\_\_\_\_\_  
Printed Name  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Signed  
\_\_\_\_\_  
Printed Name  
\_\_\_\_\_  
Date

(Revised 06/08/04)

**FILED**

**JUL 11 2017**

OFFICE OF HAMILTON COUNTY SURVEYOR

STATE OF INDIANA       )  
  )  
COUNTY OF HAMILTON )

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

In the matter of                   The Sanctuary at 116th Street                   Subdivision, Section  
  2B   Drain Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in The Sanctuary at 116th Street Sec 2B, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

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

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

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

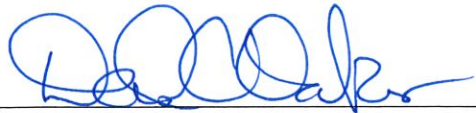
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The Petitioner further requests that the Drain be classified as an Urban Drain as per IC 36-9-27-69(d).

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



Signed

Sanctuary Project I,LLC/David Oakes Mgr

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

Signed

Printed Name

Date

July 27, 2017

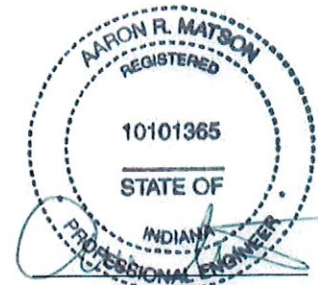
Greg Hoyes  
 Hamilton County Surveyor's Office  
 1 North 8<sup>th</sup> Street #188  
 Noblesville, IN 46060

RE: The Sanctuary at 116<sup>th</sup> Street Section 2B  
 Hamilton County Estimate

<b>Project: # 4431</b>
Project: <b>Sanctuary Section 2B</b>
<b>Hamilton County Surveyor's Office Bond</b>
Date: 6/6/2017

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>STORM SEWER</b>					
	6" SSD Swales	521	LF	\$13.25	\$6,903.25
	6" SSD Curbs	4439	LF	\$10.00	\$44,390.00
	SSD Risers	2	EA		\$0.00
	12" RCP	102	LF	\$25.90	\$2,641.80
	18" RCP	54	LF	\$38.70	\$2,089.80
	24" RCP	139	LF	\$50.80	\$7,061.20
	Curb Inlet - Double Castings	3	EA	\$4,100.00	\$12,300.00
	Connect to Ex. Structure	1	EA	\$2,400.00	\$2,400.00
<b>MISCELLANEOUS</b>					
	5/8" Rebar for property corners	33	EA	\$39.75	\$1,311.75
	5/8" Rebar with aluminum caps for street control	3	EA	\$79.50	\$238.50
	4x4 Concrete Monuments, subdivision property corners	2	EA	\$318.00	\$636.00
				<b>Project Cost:</b>	<b>\$79,972.30</b>

Bond will be provided for incomplete items prior to recording the final plat.



Aaron R. Matson, P.E.

7/27/17

Sanctuary at 116th Street Breakdown by Section

Line Item	Section 1	Section 2A	Section 3	Section 4A	Total
Sanitary Sewers	\$169,425	\$17,727	\$184,841	\$26,336	\$398,330
Sanitary Laterals	\$45,869	\$17,954	\$27,960	\$30,000	\$121,782
Storm Sewers	\$177,322	\$4,178	\$147,037	\$70,927	\$399,464
Sub-surface Drains	\$42,011	\$5,145	\$33,321	\$10,957	\$91,435
Water Mains	\$148,237	\$19,194	\$77,641	\$38,991	\$284,063
Water Laterals	\$30,716	\$2,548	\$18,614	\$8,802	\$60,681
Preliminary Erosion Control	\$3,803	\$0	\$4,077	\$0	\$7,880
Lake Liner	\$1,854	\$0	\$5,098	\$0	\$6,952
Strip Topsoil	\$12,684	\$778	\$10,250	\$9,114	\$32,826
Mass Earthwork	\$70,879	\$8,553	\$52,531	\$39,743	\$171,706
Finish Grading	\$62,411	\$5,871	\$36,341	\$14,625	\$119,247
<b>Total</b>	<b>\$765,210</b>	<b>\$81,949</b>	<b>\$597,710</b>	<b>\$249,496</b>	<b>\$1,694,366</b>

8/28/2007

I:\AWARDED JOBS\2007 JOBS\0734 - Sanctuary At 116th Street\Sanctuary Bid Breakdown

5:16 PM

STORM SEWERS UNITS COSTS			
Sanctuary 1,2A,3,4A			
Depth	Quantity *	Unit Cost	Total Cost
12" Pipe (LF)	1950	\$16.25	\$31,688
12" End Sect. (EA)	3	\$800.00	\$2,400
12" Trash G. (EA)		\$0.00	\$0
15" Pipe (LF)	1628	\$18.00	\$29,304
15" End Sect. (EA)	6	\$850.00	\$5,100
15" Trash G. (EA)		\$0.00	\$0
18" Pipe (LF)	635	\$20.00	\$12,700
18" End Sect. (EA)	3	\$900.00	\$2,700
18" Trash G. (EA)		\$0.00	\$0
21" Pipe (LF)	446	\$22.50	\$10,035
21" End Sect. (EA)	2	\$950.00	\$1,900
21" Trash G. (EA)		\$0.00	\$0
24" Pipe (LF)	1213	\$27.00	\$32,751
24" End Sect. (EA)	2	\$1,050.00	\$2,100
24" Trash G. (EA)		\$0.00	\$0
27" Pipe (LF)	0	\$0.00	\$0
27" End Sect. (EA)	0	\$0.00	\$0
27" Trash G. (EA)		\$0.00	\$0
30" Pipe (LF)	526	\$38.00	\$19,988
30" End Sect. (EA)	1	\$1,200.00	\$1,200
30" Trash G. (EA)		\$0.00	\$0
33" Pipe (LF)	0	\$0.00	\$0
33" End Sect. (EA)	0	\$0.00	\$0
33" Trash G. (EA)		\$0.00	\$0
36" Pipe (LF)	664	\$45.00	\$29,880
36" End Sect. (EA)	1	\$1,600.00	\$1,600
36" Trash G. (EA)		\$0.00	\$0
42" Pipe (LF)	227	\$50.00	\$11,350
42" End Sect. (EA)	1	\$1,894.00	\$1,894
42" Trash G. (EA)		\$0.00	\$0
48" Pipe (LF)	0	\$0.00	\$0
48" End Sect. (EA)	0	\$0.00	\$0
48" Trash G. (EA)		\$0.00	\$0
Inlets (EA)	25	\$1,450.00	\$36,250
Std.			
Manhole (EA)	33	\$1,629.00	\$53,757
Large			
Manhole (EA)	18	\$2,400.00	\$43,200
Double Inlet			
Manhole (EA)	0	\$0.00	\$0
Connect to			
Existing Structure	0	\$0.00	\$0
Sand Backfill & Bedding	4125	\$8.50	\$35,063
Open Road			
Cut	2	\$15,000.00	\$30,000
# 8 Stone (TN)	136	\$15.00	\$2,040
Rip Rap (TN)	95	\$27.00	\$2,565
<b>TOTAL</b>		>	\$399,464

Valenti Held Contractor/Developer, Inc.

SUBSURFACE DRAIN UNIT COSTS			
Sanctuary 1,2A,3,4A			
	Quantity *	Unit Cost	Total Cost
4" SSD Under Curb	LF 0	\$0.00	\$0
6" SW SSD Under Curb	LF 0	\$0.00	\$0
6" SW SSD Rear Yard Swale	LF 0	\$0.00	\$0
6" HW SSD Under Curb	LF 16384	\$5.20	\$85,197
6" HW SSD Alleys	LF 381	\$5.75	\$2,191
Custom Subsurface Drain	LF 0	\$0.00	\$0
Riser Assembly	EA 0	\$0.00	\$0
Lot Laterals	EA 96	\$42.16	\$4,047
<b>TOTAL</b>			> \$91,435

Valenti Held Contractor/Developer, Inc.

PIPE MAINS UNIT COSTS			
Sanctuary 1,2A,3,4A			
Depth	Quantity *	Unit Cost	Total Cost
3" Main (LF)	0	\$0.00	\$0
3" Gate Valve(EA)		\$0.00	\$0
3" Blow-Off(EA)		\$0.00	\$0
6" Main (LF)	2127	\$19.00	\$40,413
6" Gate Valve(EA)	17	\$975.00	\$16,575
6" Blow-Off(EA)		\$0.00	\$0
8" Main (LF)	6003	\$23.50	\$141,071
8" Gate Valve(EA)	10	\$1,125.00	\$11,250
8" Blow-Off(EA)		\$0.00	\$0
10" Main (LF)	0	\$0.00	\$0
10" Gate Valve(EA)	0	\$0.00	\$0
10" Blow-Off(EA)		\$0.00	\$0
12" Main (LF)	0	\$0.00	\$0
12" Gate Valve(EA)	0	\$0.00	\$0
12" Blow-Off(EA)		\$0.00	\$0
16" Main (LF)	0	\$0.00	\$0
16" Gate Valve(EA)	0	\$0.00	\$0
16" Blow-Off(EA)		\$0.00	\$0
20" Main (LF)		\$0.00	\$0
20" Gate Valve(EA)		\$0.00	\$0
20" Blow-Off(EA)		\$0.00	\$0
Fire Hydrants (EA)	14	\$2,200.00	\$30,800
Hydrant Lateral	0	\$0.00	\$0
FH Aux Valves (EA)		\$0.00	\$0
Connect to Existing Stub	0	\$0.00	\$0
Tap Existing Main	2	\$4,577.00	\$9,154
Air Release Valves (EA)	0	\$0.00	\$0
Sand Backfill (TN)	3990	\$8.50	\$33,915
Stone Backfill (TN)	59	\$15.00	\$885
??" DIRECTIONAL BORE	0		\$0
De-Chlorination	8130	\$0.00	\$0
Other			\$0
<b>TOTAL</b>			> \$284,063

Valenti Held Contractor/Developer, Inc.

5:29 PM

Sanctuary @ 116th St 1,2A,3,4A Current

7/24/2007



HCDB-2007-00050

**SUBDIVISION BOND**

Bond No.: 5029328

Principal Amount: \$11,610.00

KNOW ALL MEN BY THESE PRESENTS, that we Platinum Properties, 9757 Westpoint Dr., Suite 600, Indianapolis, IN 46256 as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Ave., Bldg. A - Suite 300, Lombard, IL 60148 an Illinois Corporation, as Surety, are held and firmly bound unto Hamilton County Board of Commissioners, One Hamilton County Square, Noblesville, IN 46060, as Obligee, in the penal sum of Eleven Thousand Six Hundred Ten and No/100 (Dollars) (\$11,610.00), lawful money of the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Platinum Properties has agreed to construct in Sanctuary at 116<sup>th</sup> Street, Section 2, in Hamilton County, IN the following improvements:

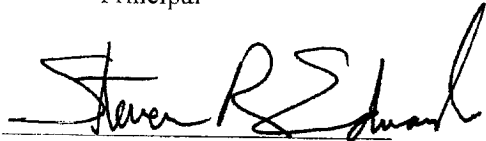
Monumentation

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall construct, or have constructed, the improvements herein described, and shall save the Obligee harmless from any loss, cost or damage by reason of its failure to complete said work, then this obligation shall be null and void, otherwise to remain in full force and effect, and the Surety, upon receipt of a resolution of the Obligee indicating that the improvements have not been installed or completed, will complete the improvements or pay to the Obligee such amount up to the Principal amount of this bond which will allow the Obligee to complete the improvements.


Upon approval by the Obligee, this instrument may be proportionately reduced as the public improvements are completed.

Signed, sealed and dated, this 4th day of September, 2007

Platinum Properties  
Principal

By: 

Bond Safeguard Insurance Company  
Surety

By:   
Heather A. Beck, Attorney-in-Fact



POWER OF ATTORNEY AO 52925  
**Bond Safeguard** INSURANCE COMPANY

KNOW ALL MEN BY THESE PRESENTS, that **BOND SAFEGUARD INSURANCE COMPANY**, an Illinois Corporation with its principal office in Lombard, Illinois, does hereby constitute and appoint: James I. Moore, Irene Diaz, Bonnie Kruse, Stephen T. Kazmer, Dawn L. Morgan, Peggy Faust, Kelly A. Jacobs, Elaine Marcus, Jennifer J. McComb, Melissa Schmidt, Joel E. Speckman, Heather A. Beck, Tariese M. Pisciotto \*\*\*\*\* its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surely, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **BOND SAFEGUARD INSURANCE COMPANY** on the 7th day of November, 2001 as follows:

Resolved, that the President of the Company is hereby authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed \$1,000,000.00, One Million Dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Vice President, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **BOND SAFEGUARD INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate seal to be affixed this 7<sup>th</sup> day of November, 2001.



**BOND SAFEGUARD INSURANCE COMPANY**

BY *David E. Campbell*  
David E. Campbell  
President

**ACKNOWLEDGEMENT**

On this 7th day of November, 2001, before me, personally came David E. Campbell to me known, who being duly sworn, did depose and say that he is the President of **BOND SAFEGUARD INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.

**"OFFICIAL SEAL"**  
**MAUREEN K. AYE**  
Notary Public, State of Illinois  
My Commission Expires 09/21/09

*Maureen K. Aye*  
Maureen K. Aye  
Notary Public

**CERTIFICATE**

I, the undersigned, Secretary of **BOND SAFEGUARD INSURANCE COMPANY**, An Illinois Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the foregoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Sealed at Lombard, Illinois this 4th Day of September, 20 07



*Donald D. Buchanan*  
Donald D. Buchanan  
Secretary

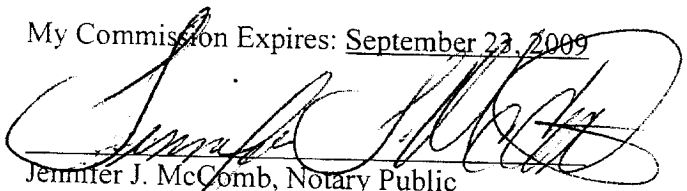


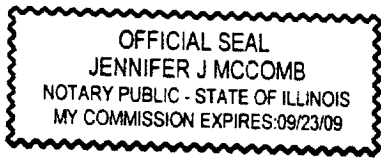
State of: ILLINOIS  
County of: DuPage

On September 4, 2007, before me, Jennifer J. McComb, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Heather A. Beck, known to me to be Attorney-in-Fact for Bond Safeguard Insurance Company the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument on behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires: September 23, 2009

  
Jennifer J. McComb, Notary Public







HCDB-2007-00051

**SUBDIVISION BOND**

Bond No.: 5029329

Principal Amount: \$50,977.20

KNOW ALL MEN BY THESE PRESENTS, that we Platinum Properties, 9757 Westpoint Dr., Suite 600, Indianapolis, IN 46256 as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Ave., Bldg. A – Suite 300, Lombard, IL 60148 an Illinois Corporation, as Surety, are held and firmly bound unto Hamilton County Board of Commissioners, One Hamilton County Square, Noblesville, IN 46060, as Obligee, in the penal sum of Fifty Thousand Nine Hundred Seventy Seven and 20/100 (Dollars) (\$50,977.20), lawful money of the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Platinum Properties has agreed to construct in Sanctuary at 116<sup>th</sup> Street, Section 2, in Hamilton County, IN the following improvements:

Sub Surface Drains


NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall construct, or have constructed, the improvements herein described, and shall save the Obligee harmless from any loss, cost or damage by reason of its failure to complete said work, then this obligation shall be null and void, otherwise to remain in full force and effect, and the Surety, upon receipt of a resolution of the Obligee indicating that the improvements have not been installed or completed, will complete the improvements or pay to the Obligee such amount up to the Principal amount of this bond which will allow the Obligee to complete the improvements.

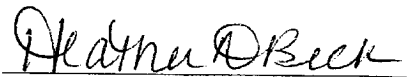
Upon approval by the Obligee, this instrument may be proportionately reduced as the public improvements are completed.

Signed, sealed and dated, this 4th day of September, 2007

Platinum Properties  
Principal

Bond Safeguard Insurance Company  
Surety

By: 

By:   
Heather A. Beck, Attorney-in-Fact



POWER OF ATTORNEY AO 52926

# Bond Safeguard INSURANCE COMPANY

KNOW ALL MEN BY THESE PRESENTS, that **BOND SAFEGUARD INSURANCE COMPANY**, an Illinois Corporation with its principal office in Lombard, Illinois, does hereby constitute and appoint: James I. Moore, Irene Diaz, Bonnie Kruse, Stephen T. Kazmer, Dawn L. Morgan, Peggy Faust, Kelly A. Jacobs, Elaine Marcus, Jennifer J. McComb, Melissa Schmidt, Joel E. Speckman, Heather A. Beck, Tariese M. Pisciotto \*\*\*\*\* its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surely, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **BOND SAFEGUARD INSURANCE COMPANY** on the 7th day of November, 2001 as follows:

Resolved, that the President of the Company is hereby authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed \$1,000,000.00, One Million Dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Vice President, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **BOND SAFEGUARD INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate seal to be affixed this 7<sup>th</sup> day of November, 2001.



**BOND SAFEGUARD INSURANCE COMPANY**

BY   
David E. Campbell  
President

**ACKNOWLEDGEMENT**

On this 7th day of November, 2001, before me, personally came David E. Campbell to me known, who being duly sworn, did depose and say that he is the President of **BOND SAFEGUARD INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.

"OFFICIAL SEAL"  
**MAUREEN K. AYE**  
Notary Public, State of Illinois  
My Commission Expires 09/21/09

Maureen K. Aye  
Notary Public

**CERTIFICATE**

I, the undersigned, Secretary of **BOND SAFEGUARD INSURANCE COMPANY**, An Illinois Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the foregoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Sealed at Lombard, Illinois this 4th Day of September, 20 07



Donald D. Buchanan  
Secretary

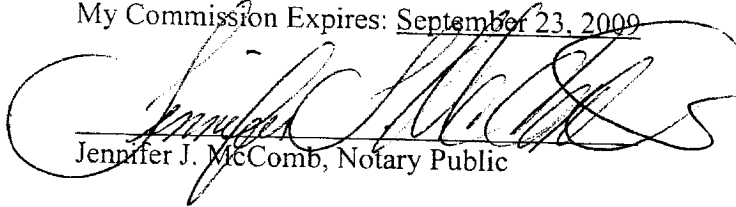


State of: ILLINOIS  
County of: DuPage

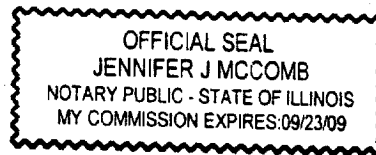
On September 4, 2007, before me, Jennifer J. McComb, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Heather A. Beck, known to me to be Attorney-in-Fact for Bond Safeguard Insurance Company the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument on behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires: September 23, 2009



Jennifer J. McComb, Notary Public





HCDB-2007-06052 SUBDIVISION BOND

Bond No.: 5029330

Principal Amount: \$167,760.00

KNOW ALL MEN BY THESE PRESENTS, that we Platinum Properties, 9757 Westpoint Dr., Suite 600, Indianapolis, IN 46256 as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Ave., Bldg. A - Suite 300, Lombard, IL 60148 an Illinois Corporation, as Surety, are held and firmly bound unto Hamilton County Board of Commissioners, One Hamilton County Square, Noblesville, IN 46060, as Obligee, in the penal sum of One Hundred Sixty Seven Thousand Seven Hundred Sixty and No/100 (Dollars) (\$167,760.00), lawful money of the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Platinum Properties has agreed to construct in Sanctuary at 116<sup>th</sup> Street, Section 2, in Hamilton County, IN the following improvements:

Storm Sewers

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall construct, or have constructed, the improvements herein described, and shall save the Obligee harmless from any loss, cost or damage by reason of its failure to complete said work, then this obligation shall be null and void, otherwise to remain in full force and effect, and the Surety, upon receipt of a resolution of the Obligee indicating that the improvements have not been installed or completed, will complete the improvements or pay to the Obligee such amount up to the Principal amount of this bond which will allow the Obligee to complete the improvements.

Upon approval by the Obligee, this instrument may be proportionately reduced as the public improvements are completed.

Signed, sealed and dated, this 4th day of September, 2007

Platinum Properties  
Principal

By: Steven R. [Signature]

Bond Safeguard Insurance Company  
Surety

By: Heather A. Beck [Signature]  
Heather A. Beck, Attorney-in-Fact



POWER OF ATTORNEY  
**Bond Safeguard** INSURANCE COMPANY

AO 52927

KNOW ALL MEN BY THESE PRESENTS, that **BOND SAFEGUARD INSURANCE COMPANY**, an Illinois Corporation with its principal office in Lombard, Illinois, does hereby constitute and appoint: James I. Moore, Irene Diaz, Bonnie Kruse, Stephen T. Kazmcr, Dawn L. Morgan, Peggy Faust, Kelly A. Jacobs, Elaine Marcus, Jennifer J. McComb, Melissa Schmidt, Joel E. Speckman, Heather A. Beck, Tariese M. Pisciotto \*\*\*\*\* its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surely, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **BOND SAFEGUARD INSURANCE COMPANY** on the 7th day of November, 2001 as follows:

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Resolved, that the signature of the President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Vice President, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **BOND SAFEGUARD INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate seal to be affixed this 7<sup>th</sup> day of November, 2001.



**BOND SAFEGUARD INSURANCE COMPANY**  
BY *David E. Campbell*  
David E. Campbell  
President

**ACKNOWLEDGEMENT**

On this 7th day of November, 2001, before me, personally came David E. Campbell to me known, who being duly sworn, did depose and say that he is the President of **BOND SAFEGUARD INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.

**"OFFICIAL SEAL"**  
**MAUREEN K. AYE**  
Notary Public, State of Illinois  
My Commission Expires 09/21/09

*Maureen K. Aye*  
Maureen K. Aye  
Notary Public

**CERTIFICATE**

I, the undersigned, Secretary of **BOND SAFEGUARD INSURANCE COMPANY**, An Illinois Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the foregoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Sealed at Lombard, Illinois this 4<sup>th</sup> Day of September, 2007



*Donald D. Buchanan*  
Donald D. Buchanan  
Secretary



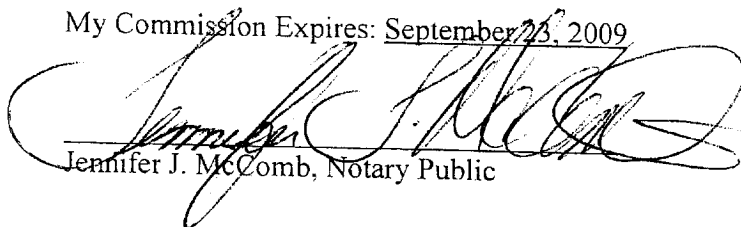
State of: ILLINOIS

County of: DuPage

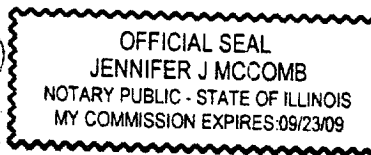
On September 4, 2007, before me, Jennifer J. McComb, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Heather A. Beck, known to me to be Attorney-in-Fact for Bond Safeguard Insurance Company the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument on behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires: September 23, 2009



Jennifer J. McComb, Notary Public



FINDINGS AND ORDER


CONCERNING THE MAINTENANCE OF THE

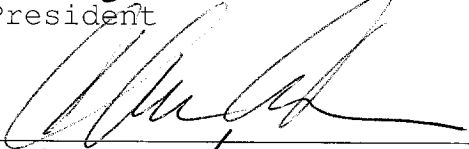
Long Branch Drain, The Sanctuary at 116<sup>th</sup> Street Section 2 Arm

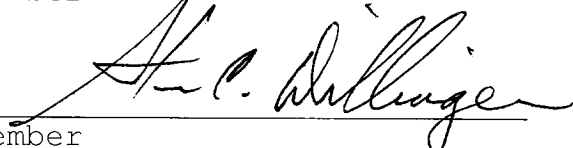
On this **28th day of January 2008**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **Long Branch Drain, The Sanctuary at 116<sup>th</sup> Street Section 2 Arm**.

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: 

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Sanctuary at 116th Street - Section 1, 2A, 4A.  
Storm As-builts  
4455 W. 121st Street, Carmel IN

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: *J E Shields Jr* Date: 8/5/09

Type or Print Name: James E. Shields Jr.

Business Address: 10505 N. College Ave.

Indianapolis, IN 46280

Telephone Number: 317-846-6611



INDIANA REGISTRATION NUMBER

PE 10201333





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*

**To: Hamilton County Drainage Board**

**January 29, 2010**

**Re: Long Branch Drain: Sanctuary at 116<sup>th</sup> Street Section 2A**

Attached are as-builts, certificate of completion & compliance, and other information for Sanctuary at 116<sup>th</sup> Street Section 2A. 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 30, 2007. The report was approved by the Board at the hearing held January 28, 2008. (See Drainage Board Minutes Book 11, Pages 18-23)

The changes are as follows:

The drain is now being built in two phases due to current economic conditions. So the final reports for this drain will be written in two parts as well. This report is for section 2A. The drain installed for this section consisted of 575 feet of 6" SSD and 106 feet of 15" RCP. The length of the drain due to the changes described above is now **681 feet**.

The non-enforcement was approved by the Board at its meeting on January 28, 2008 and recorded under instrument # 2009034279.

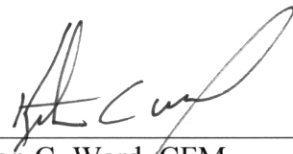
The following sureties were guaranteed by Bond Safeguard Insurance Company and released by the Board on its August 10, 2009 meeting.

**Bond-LC No:** 5029330  
**Insured For:** Storm Sewers  
**Amount:** \$167,760.00  
**Issue Date:** September 4, 2007

**Bond-LC No:** 5029329  
**Insured For:** SSD  
**Amount:** \$50,997.20  
**Issue Date:** September 4, 2007

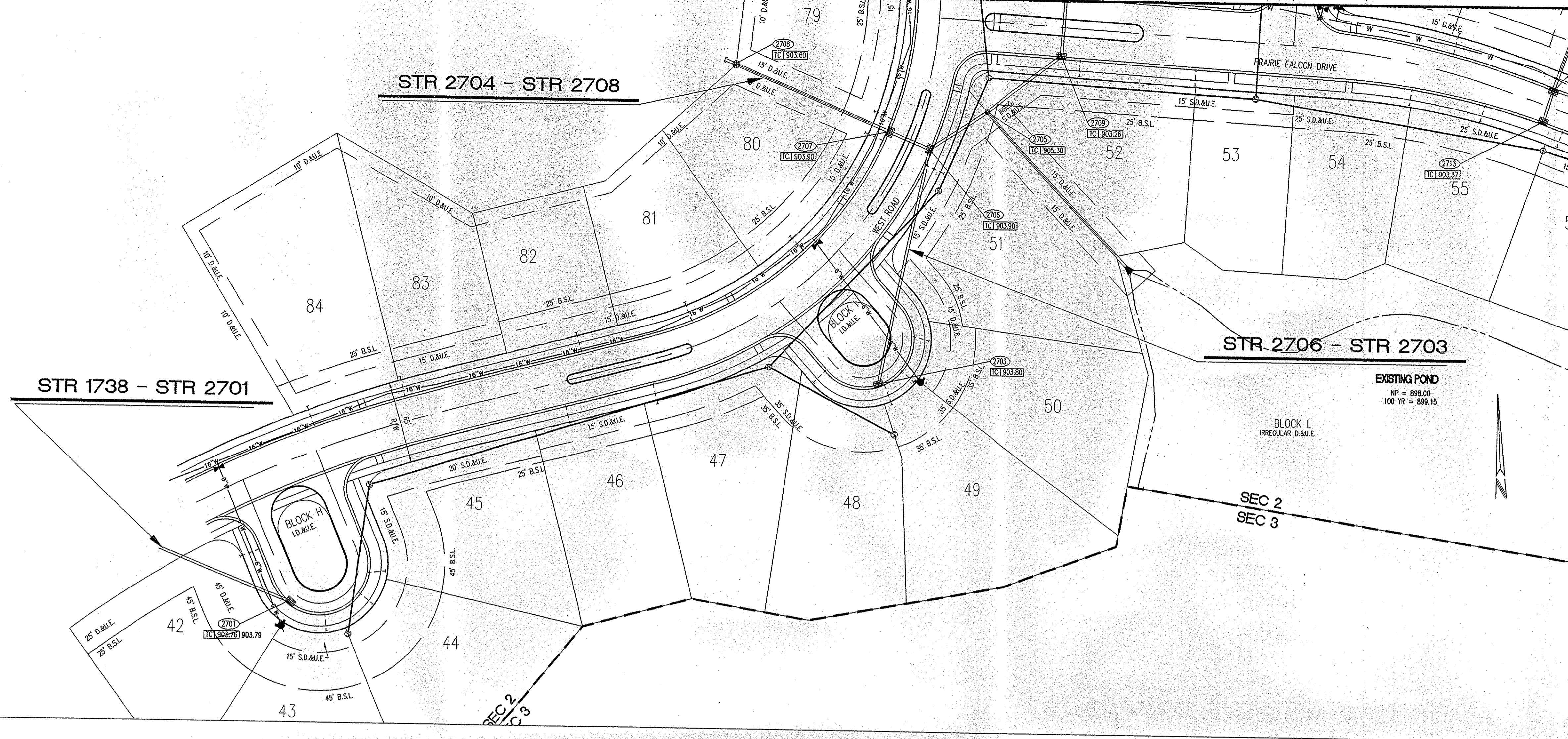
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

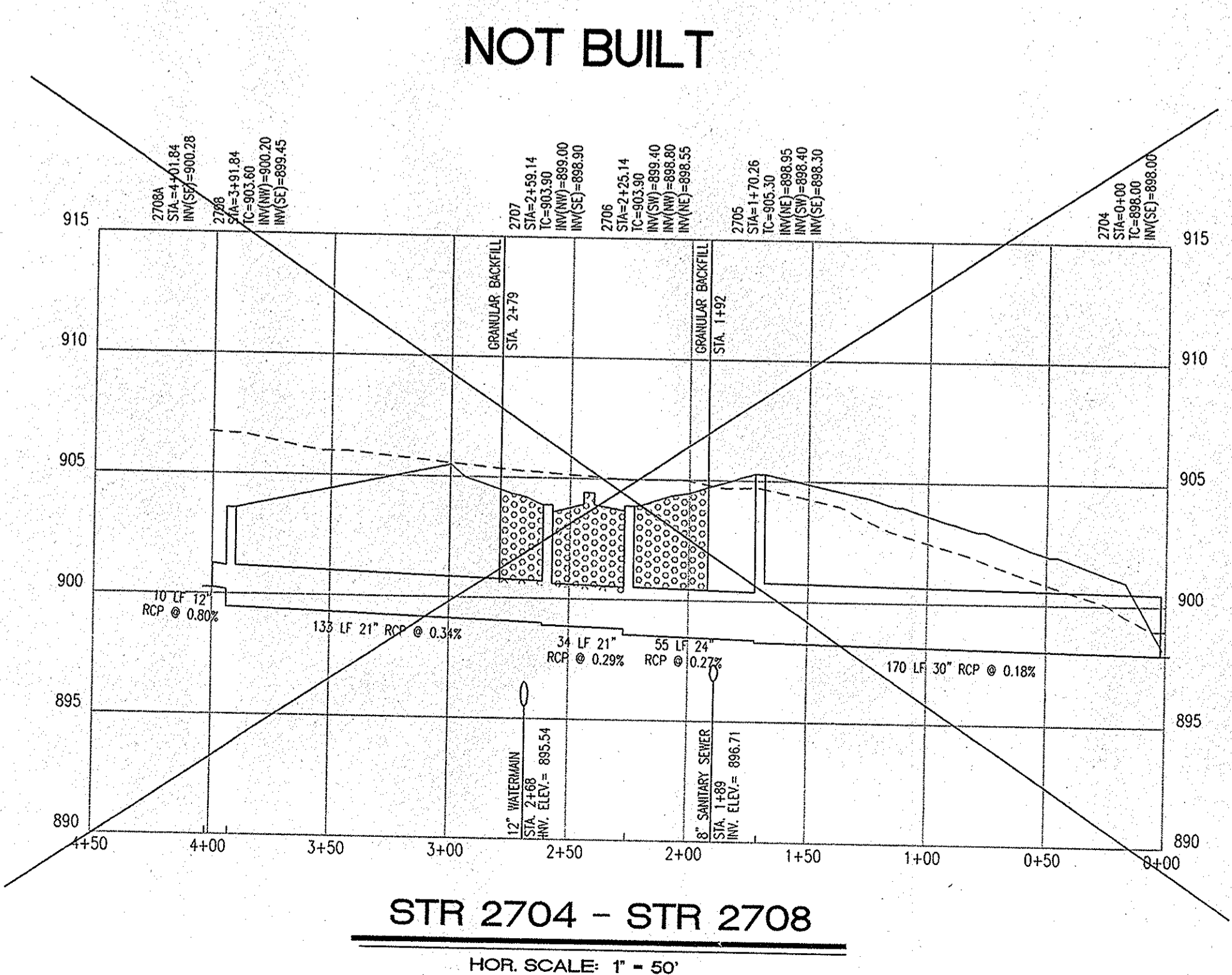
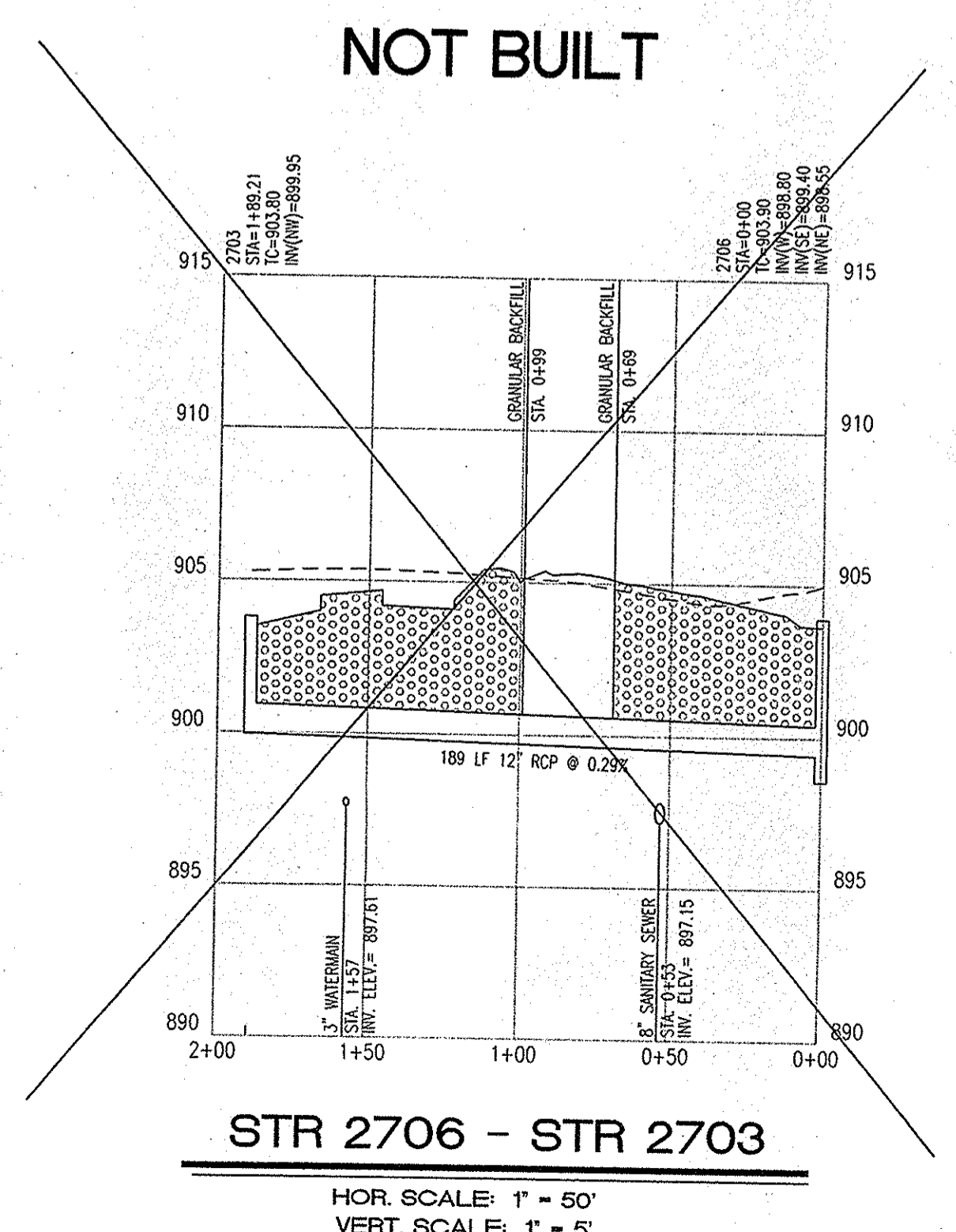
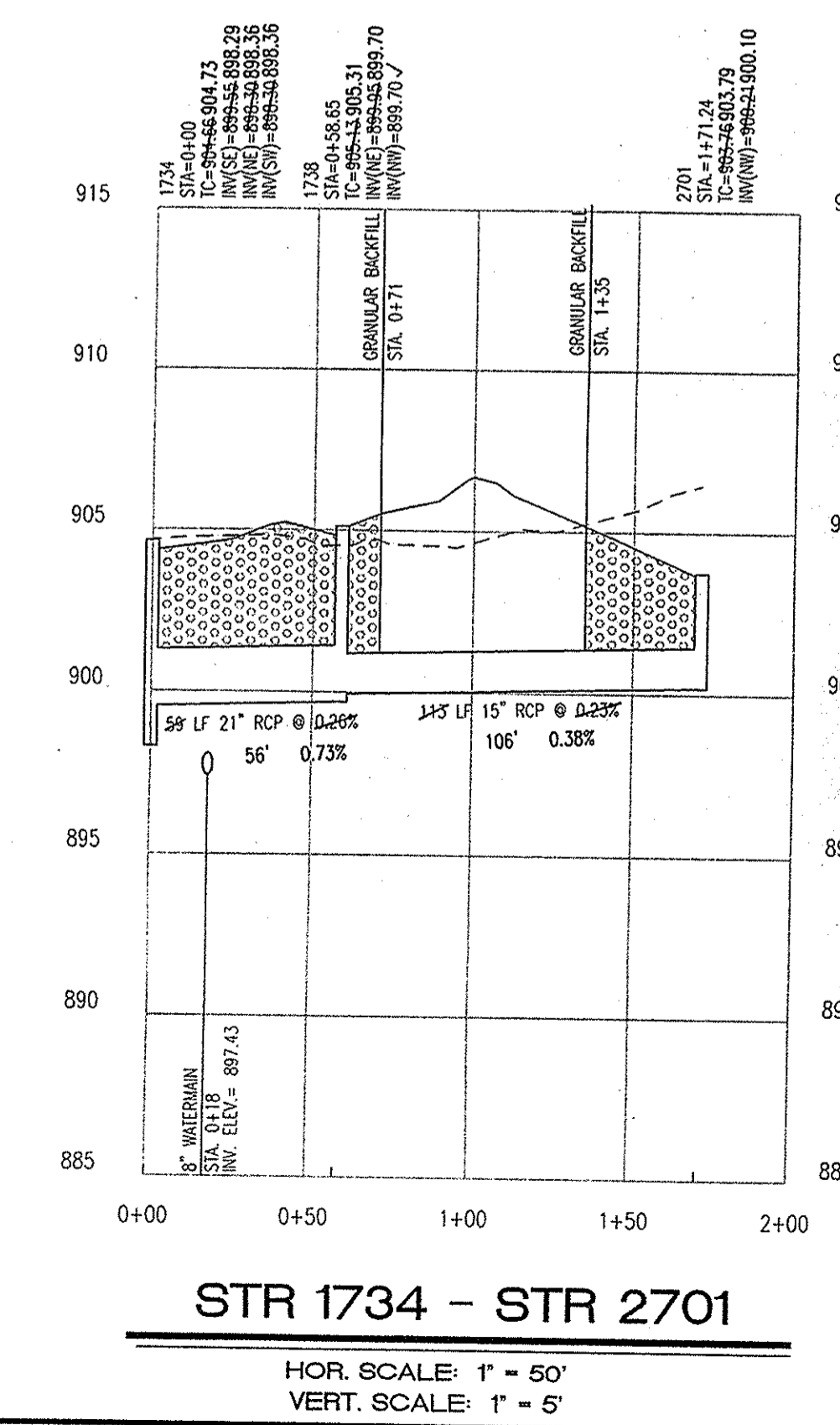
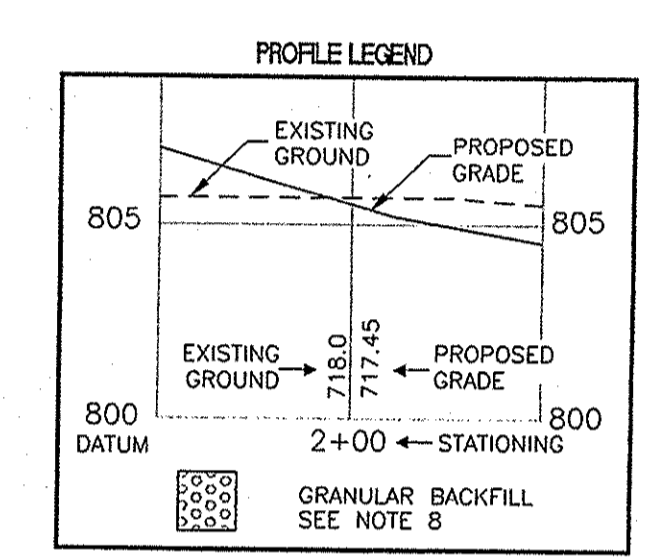
A handwritten signature in black ink, appearing to read 'Kenton C. Ward', written over a horizontal line.

Kenton C. Ward, CFM  
Hamilton County Surveyor

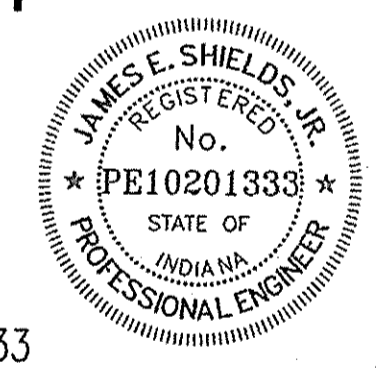
KCW/slm



- STORM SEWER PLAN AND PROFILE NOTES:**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS: FINAL RULE 29 CFR PART 1926, SUBPART "I" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
  - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
  - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.
  - ALL STRUCTURES (IE- MANHOLES, INLETS) SHALL HAVE FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCHWALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
  - FIELD ADJUSTMENTS OF TOP OF CASTING (T.C.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE. AT NO COST TO THE OWNER.
  - STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
  - STORM PIPE INVERTS AT OUTLET STRUCTURES (IE- END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
  - FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
  - SEE SECTION 02720 FOR STORM SEWERAGE SPECIFICATIONS A) IN THE PROJECT MANUAL OR B) ON SHEET C907
  - PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.
  - THE CONNECTION OF THE PROPOSED STORM SEWER TO AN EXISTING BRICK STRUCTURE MUST BE DONE ACCORDING TO THE FOLLOWING CONDITIONS:  
 A) REBARRETE AND COAT THE ENTIRE INTERIOR OF THE MANHOLE WITH NON-SHRINK GROUT.  
 B) AT THE POINT OF CONNECTION OF THE PROPOSED PIPE, PLACE A THREE FOOT (3') DIAMETER BY A MINIMUM SIX INCH (6") THICK, 4,000 PSI CONCRETE COLLAR WITH #4x10 GAUGE WIRE MESH OVER THE EXTERIOR OF THE MANHOLE.  
 C) ONCE THE CORE HAS BEEN MADE, INSTALL A RUBBER BOOT.
  - TOP OF CASTING (TC) TO SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER A STRUCTURE. WHEN A STRUCTURE IS NOT A CURB INLET, TC SHALL INDICATE TOP OF CURB WHEN STRUCTURE IS A CURB INLET.
  - SHOULD THE INTEGRITY OF THE MANHOLE BE COMPROMISED, THE ENTIRE STRUCTURE MUST BE REPLACED WITH A STANDARD MANHOLE STRUCTURE IN ACCORDANCE WITH THE INDIANAPOLIS SANITARY SEWER DISTRICT STANDARDS, MAY 1989, AND ITS ADDENDUMS.
  - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.



**SECTION 2A ONLY**  
**RECORD DRAWING**  
 STORM SEWER AS-BUILTS  
 STORM SEWER STRUCTURES ONLY  
 1/1/2008  
 JAMES E. SHIELDS, JR. P.E. 10201333



This information was gathered by input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.  
 Entry Date: Jan 2010  
 Entered By: SLM

Revision	Date	Description
1	7/17/06	ELC COMMENT CHANGES
2	7/19/06	HAMILTON COUNTY SURVEYOR'S OFFICE COMMENT CHANGES
3	8/2/06	CITY OF CARMEL WATER UTILITIES COMMENT CHANGES
4	11/2/08	STORM AS-BUILTS SUBMITTED TO CARMEL, INC.

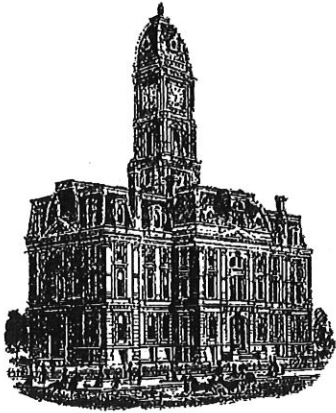
7172 GRAHAM ROAD  
 INDIANAPOLIS, INDIANA 46250  
 (317) 842-6777 FAX (317) 841-4798  
 E-Mail: crpe@crpe.biz



**STORM SEWER PLAN AND PROFILE**  
**SANCTUARY AT 116th St. - SECTION 2**  
**INDIANA LAND DEVELOPMENT CORPORATION**  
 8170 ZIONSVILLE RD.  
 INDIANAPOLIS, IN 46268

CERTIFIED BY:	Drawn By: P. KLOOTEN
	Checked By: M. HANSEL
	Quality Assurance: T. SCHELLBERGER
	Scale: 1" = 50'
	Sheet: C701
	Date: 05-08-06
	Project Number: 050372-20000

KLW



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*

**To: Hamilton County Drainage Board**

**September 23, 2020**

**Re: Long Branch Drain –Sanctuary at 116<sup>th</sup> Street Sec. 2B Arm**

Attached are as-builts and other information for Sanctuary at 116<sup>th</sup> Street Sec 2B Arm. 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 30, 2007. The report was approved by the Board at the hearing held January 28, 2008. (See Drainage Board Minutes Book 11, Pages 20-21) The changes are as follows: the 12" RCP was shortened from 588 feet to 102 feet. The 15" RCP was not installed. The 18" RCP was shortened from 189 feet to 54 feet. The 21" RCP was not installed. The 24" RCP was shortened from 619 feet to 321 feet. The 30" RCP was shortened from 836 feet to 612 feet. Added to this section was a run of 220 feet of 36" RCP and 115 feet of 42" RCP. The 6" SSD was shortened from 5656 feet to 2588 feet. The length of the drain due to the changes described above is now **4012** feet.

The non-enforcement was approved by the Board at its meeting on August 28, 2017 and recorded under instrument #2018053339.

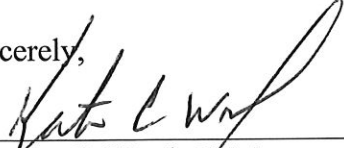
The following sureties were guaranteed by Bond Safeguard Insurance Company and released by the Board on its August 10, 2009 meeting.

Bond-LC No: 5029930  
Amount: \$167,760.00  
For: Storm Sewers  
Issue Date: September 4, 2007

Bond-LC No: 5029329  
Amount: \$50,977.20  
For: SSD  
Issue Date: September 4, 2007

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

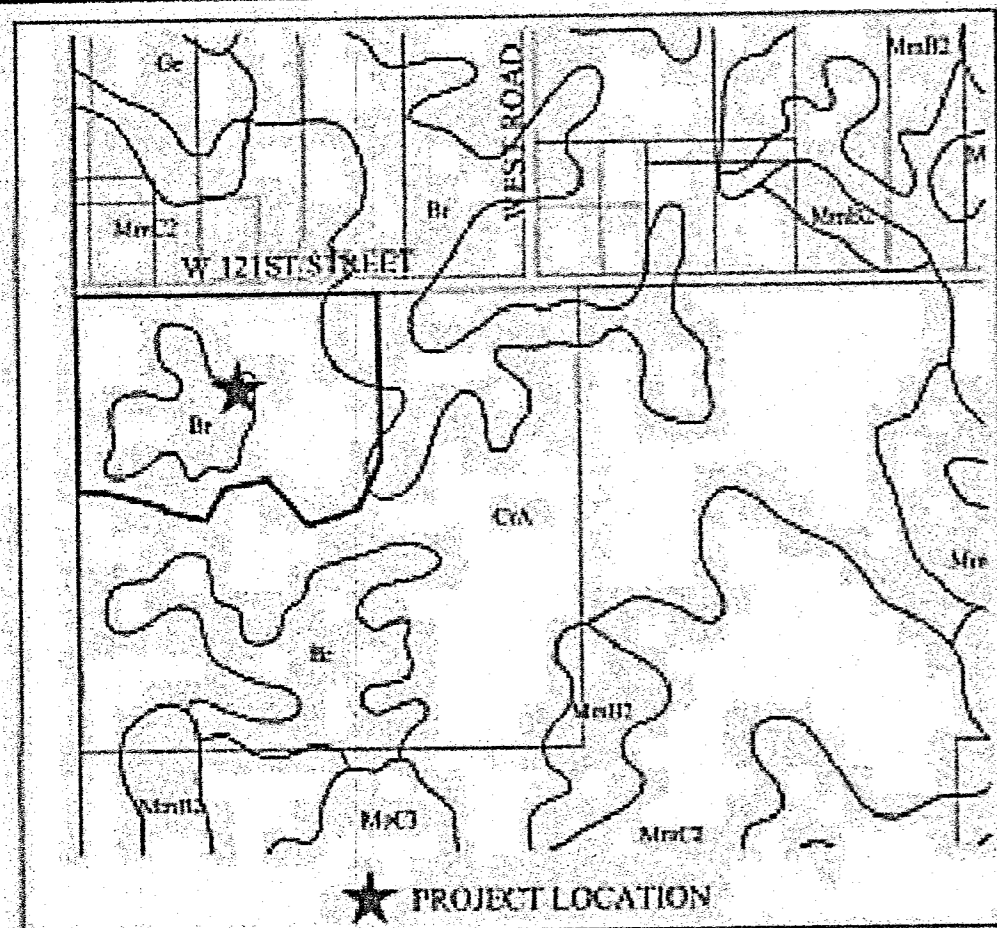
Sincerely,



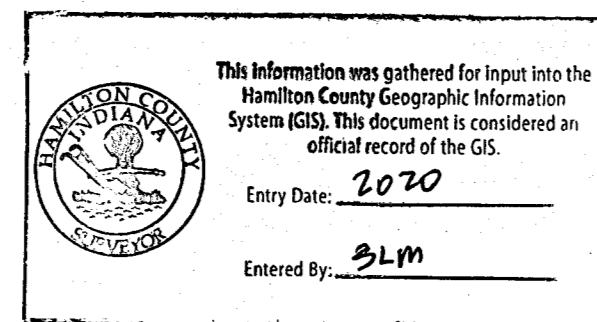
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Kerton C. Ward, CFM  
Hamilton County Surveyor

# CONSTRUCTION PLANS RECORD DRAWING FOR SANCTUARY AT 116TH STREET SECTION TWO B CITY OF CARMEL 4455 W. 121st STREET HAMILTON COUNTY, INDIANA SECTION 31, TOWN 18, RANGE 3



SOILS MAP



### OPERATING AUTHORITIES

CITY OF CARMEL ONE CIVIC SQUARE CARMEL, IN 46032 ASSISTANT PLANNER: ANGIE CONN 317-571-2417 DEPT. OF ENGINEERING: JEREMY KASHMAN 317-571-2441	HAMILTON COUNTY SURVEYOR'S OFFICE ONE HAMILTON SQUARE, SUITE 188 HAMILTON COUNTY JUDICIAL CENTER NOBLESVILLE, INDIANA 46060 GREG HOYES 317-776-8495	CARMEL CITY UTILITIES 760 3RD AVENUE S.W. CARMEL, INDIANA 46032 JOHN DUFFY 317-571-2443
CITY OF CARMEL FIRE DEPARTMENT TWO CIVIC SQUARE CARMEL, INDIANA 46032 CHRIS ELLISON 317-571-2600	BRIGHTHOUSE NETWORKS 3030 ROOSEVELT AVE. INDIANAPOLIS, IN 46218 JASON KIRKMAN 317-632-9077 EXT.291	VECTREN ENERGY P.O. BOX 1700 NOBLESVILLE, IN 46061-1700 JOANIE CLARK 317-776-5532
CLAY TOWNSHIP REGIONAL WASTE DISTRICT 10701 N. COLLEGE AVENUE, SUITE A INDIANAPOLIS, IN 46280-1098 RYAN HARTMAN 317-844-9200	DUKE ENERGY 16475 SOUTHPARK DRIVE WESTFIELD, INDIANA 46074 SHIRELY HUNTER 317-896-6711	

### 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, VERBALLY OR IN THE SCOPE OF WORK SECTION 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.
- IN ADDITION, EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
- THE ENGINEER AND/OR OWNER DOES NOT CLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
- ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER THAT ALL LANDSCAPE REQUIREMENTS ARE MET AND CONFORM TO APPLICABLE LOCAL STANDARDS.
- 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 #18057C0205F, DATED FEBRUARY 19, 2003. THEREFORE THERE ARE NO 100 YR. FLOODPLAINS, FLOODWAY FRINGES, OR FLOODWAYS ON THIS SITE.
- BEARINGS, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
- THIS SITE DOES NOT CONTAIN ANY WETLANDS AS SHOWN ON THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE, CARMEL, INDIANA, NATIONAL WETLANDS INVENTORY MAP DATED 1990.
- DAMAGE TO THE EXISTING RIGHT-OF-WAY SHALL BE RESTORED/REPAIRED TO THE SATISFACTION OF THE CITY AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS ENCOURAGED TO INSPECT THE RIGHT-OF-WAY WITH THE CITY PRIOR TO THE START OF CONSTRUCTION TO DOCUMENT THE EXISTING CONDITION OF THE RIGHT-OF-WAY.
- NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.

### LEGAL DESCRIPTION

### RECORD DRAWING

12-20-2018

JOSEPH TRTAN, LS21500003

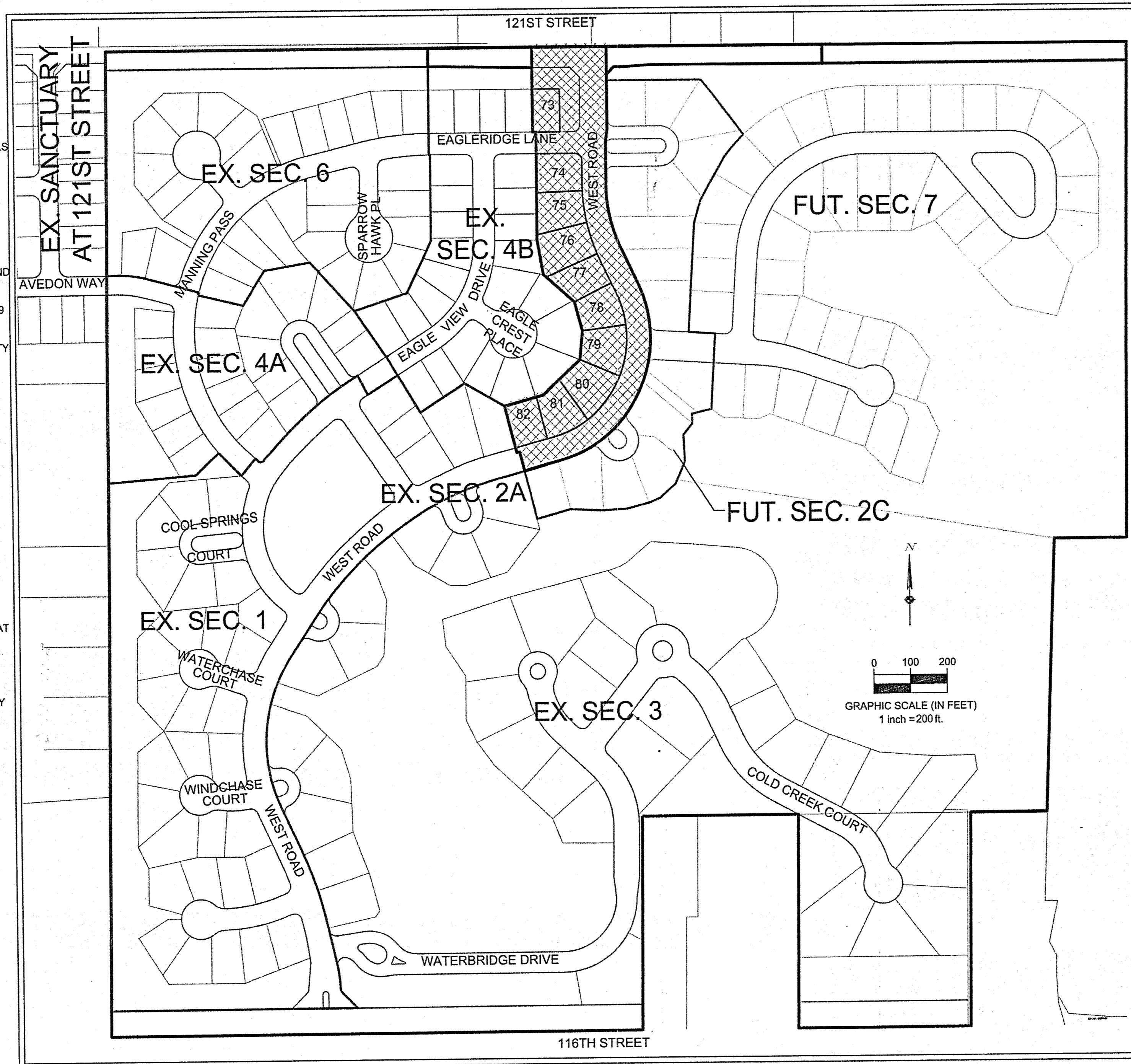


**WEIHE ENGINEERS**

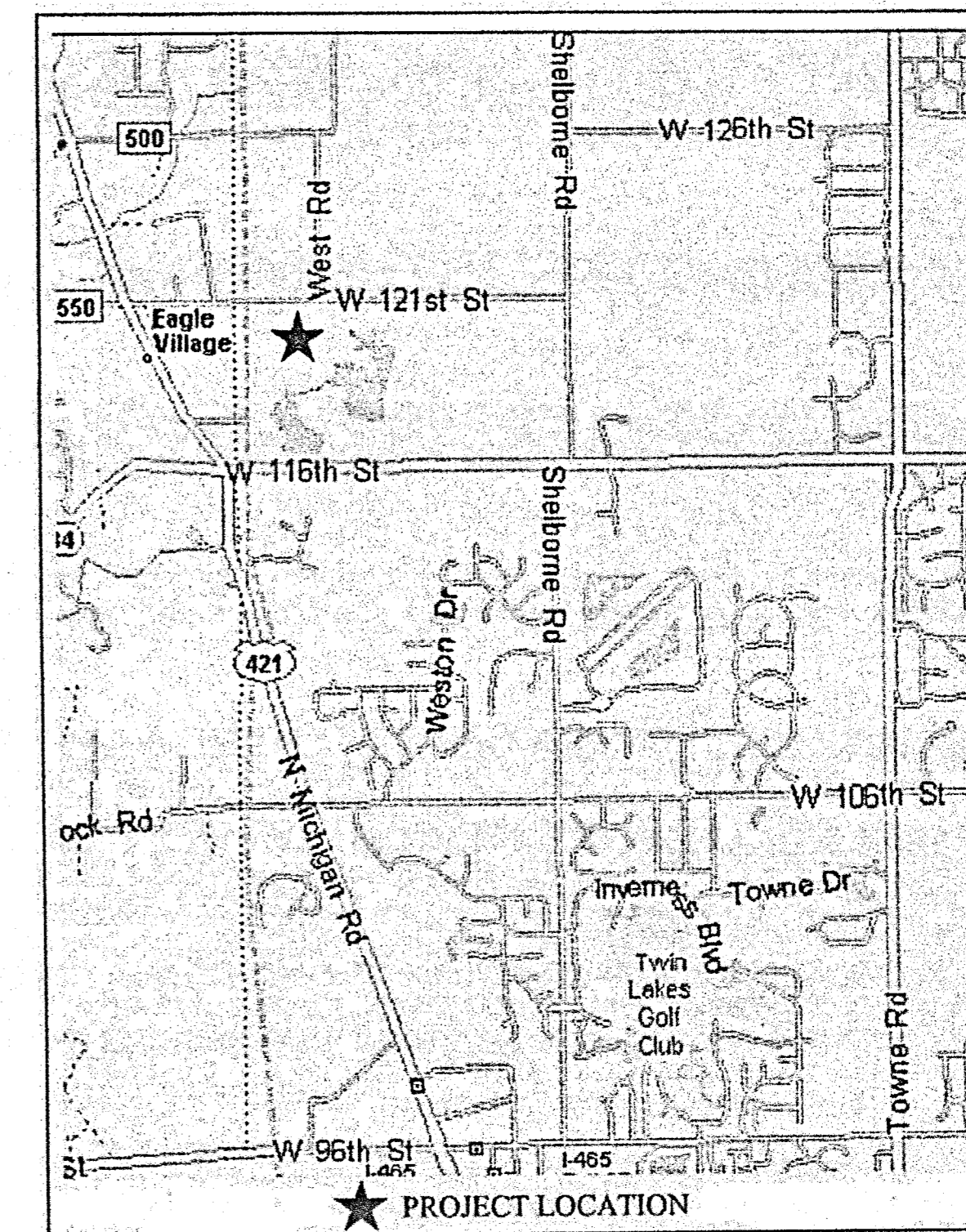
Land Surveying | Civil Engineering  
Landscape Architecture

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



SITE MAP



VICINITY MAP

### INDEX OF SHEETS

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### DESIGN DATA ZONING AND SETBACK

TOTAL ACREAGE: 5.80 AC  
DISTURBED AREA: 7.08  
NUMBER OF LOTS: 10  
DENSITY: 1.39 LOTS/AC

STREET LENGTH:  
WEST ROAD: 1,300 LF  
EAGLERIDGE LANE: 167 LF  
PRAIRIE FALCON DRIVE: 33 LF

TOTAL LENGTH: 1,490  
SPEED LIMIT: 25 MPG

### BUILDING SETBACK LINE REQUIREMENTS PER ZONING

ZONING: S-1/RESIDENCE-ROSO III WITH WAIVERS

- FRONT YARD:
- DWELLING WITH ATTACHED FRONT LOADING GARAGE: TWENTY (20) FEET FOR DWELLING; TWENTY-FIVE (25) FEET FOR GARAGE (UNLESS OTHERWISE NOTED ON PLAT)
  - DWELLING WITH ATTACHED, SIDE-LOADING GARAGE: FIFTEEN (15) FEET FOR DWELLING; TWENTY-FIVE (25) FEET FOR GARAGE (UNLESS OTHERWISE NOTED ON PLAT)
  - DWELLING WITH ATTACHED, REAR-LOADING, OR DETACHED, ALLEY ACCESS GARAGE: TEN (10) FEET FOR DWELLING. (UNLESS OTHERWISE NOTED ON PLAT)

SIDE YARD: ZERO (0) FEET\*  
REAR YARD: ZERO (0) FEET\*

MINIMUM BUILDING SEPARATION: SIX (6) FEET\*

NOTE: SIDE/REAR SETBACKS AND MINIMUM BUILDING SEPARATION SHALL BE INCREASED BY ONE (1) FOOT FOR EACH ADDITIONAL (1) FOOT A STRUCTURE IS RAISED ABOVE THE TWENTY-FIVE (25) FOOT HEIGHT STANDARD-WITH NO STRUCTURE EXCEEDING THIRTY-FIVE (35) FEET IN HEIGHT.

### BENCHMARK INFORMATION

BM BOO 54 - A DNR DISK IS LOCATED 1.0 MILE NORTHEAST OF ZIONSVILLE; 0.2 MILES EAST ALONG WEST 121ST STREET FROM ITS JUNCTION WITH STATE ROAD 421, AT THE INTERSECTION OF DAUGHERTY DRIVE AND WEST 121ST STREET, IN THE NORTHEAST 1/4 OF THE INTERSECTION, AT THE ENTRANCE TO THE EAGLE VILLAGE SUBDIVISION; SET IN THE TOP OF A CONCRETE POST, LEVEL WITH THE GROUND; A DEPARTMENT OF NATURAL RESOURCES BRASS CONTROL STATION TABLET, STAMPED "BOO 54 1989". ELEV.: 900.76 FEET (1988 DATUM)

HORIZONTAL DATUM: NAD 83 INDIANA STATE PLANE COORDINATE SYSTEM, EAST ZONE

### OWNER/DEVELOPER

SANCTUARY PROJECT 1, LLC  
8534 YANKEE STREET  
DAYTON, OH 45458  
PH: (937) 435-8584  
EMAIL: OAKES@CESOINC.COM  
CONTACT: DAVID C. OAKES

### ENGINEER

CESO, INC.  
8534 YANKEE STREET  
DAYTON, OH 45458  
PH: (937) 435-8584  
EMAIL: MATSON@CESOINC.COM  
CONTACT: AARON MATSON

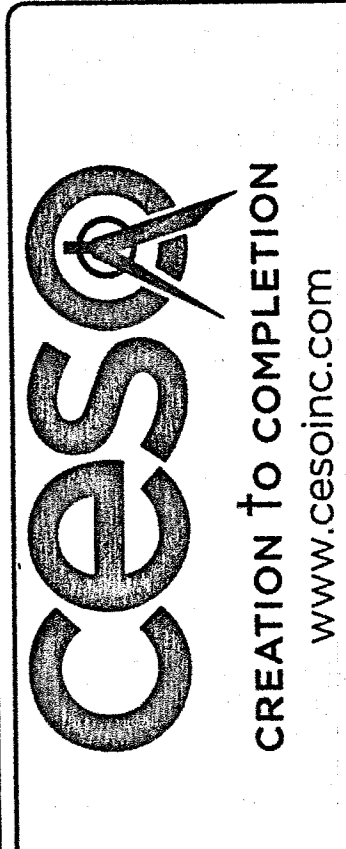
REVISIONS	NO.	DATE	DESCRIPTION

SANCTUARY AT 116TH STREET  
SECTION TWO B

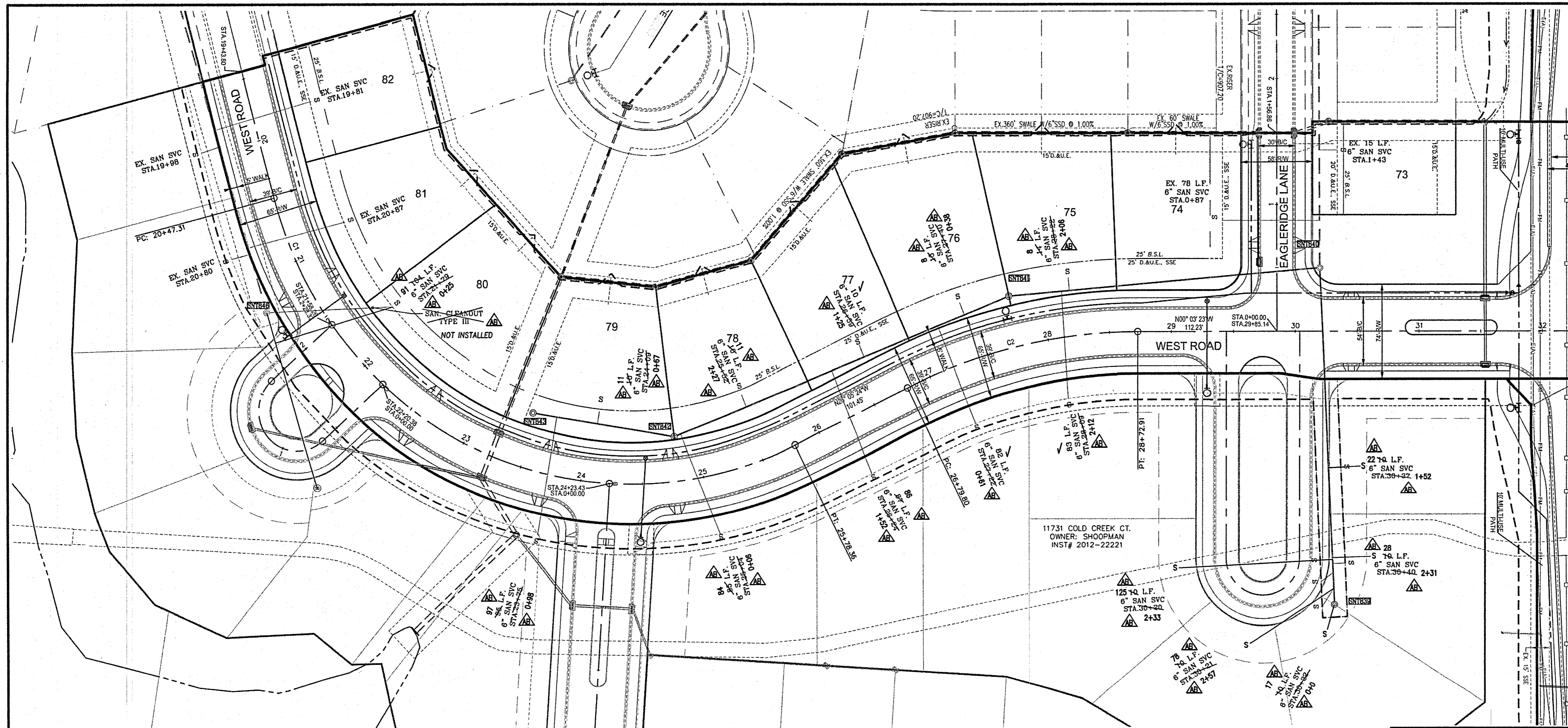
TITLE SHEET

INDIANA

CITY OF CARMEL



ISSUE:	
REVIEW:	
DATE:	MARCH 29, 2017
JOB NO.:	4431
DESIGN:	JEE
DRAWN:	JEE
CHECKED:	TJV
SHEET NO.:	1



**CITY OF CARMEL COVER AND BACKFILL POLICY; 9-8-06**  
**WATER AND SEWER UNDER PAVEMENT, SIDEWALK, PAVED AREAS AND WITHIN RIGHT-OF-WAY**

**BEDDING, HAUNCHING, INITIAL BACKFILL**  
 BEDDING, HAUNCHING AND INITIAL BACKFILL REQUIREMENTS AND COMPACTION FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS SHALL BE IN ACCORDANCE WITH THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION.

**FINAL BACKFILL**  
 FINAL BACKFILL FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS UNDER AND WITHIN 5-FEET OF PAVEMENT OR SIDEWALK OR OTHER PAVED AREAS AND FOR ALL INSTALLATIONS WITHIN CITY RIGHT-OF-WAY SHALL BE B-BORROW FOR STRUCTURE BACKFILL MEETING THE MATERIAL REQUIREMENTS OF THE INDOT. THE MATERIAL SHALL BE APPROVED BY THE CITY OF CARMEL DEPARTMENT OF ENGINEERING AT TIME OF INSTALLATION. FINAL BACKFILL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY FOR THE ENTIRE DEPTH OF THE MATERIAL PLACED. THE BACKFILL FOR THE TOP 6-INCHES OF THE EXCAVATION BELOW THE START OF THE AGGREGATE SUB-BASE OF THE PAVEMENT SHALL BE NO. 53 STONE MEETING THE MATERIAL REQUIREMENT OF THE INDOT AND SHALL BE COMPACTED TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT BACKFILL REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

**MINIMUM COVER FOR PIPE CROSSINGS WITHIN CITY RIGHT-OF-WAY**  
 FOR INSTALLATION OF STORM MAINS, WATER MAINS, SANITARY MAINS, WATER SERVICE LATERALS, SANITARY SERVICE LATERALS UNDER CITY STREETS REGARDLESS OF JURISDICTION OF THE UTILITY, THE MINIMUM COVER FROM THE TOP OF THE INSTALLED PAVEMENT TO THE TOP OF THE INSTALLED PIPE SHALL BE THE PAVEMENT SECTION THICKNESS (ALL BITUMINOUS AND AGGREGATE MATERIAL ABOVE THE SUBGRADE) PLUS 1'-0", BUT UNDER NO CIRCUMSTANCES SHALL THE COVER ALONG ANY PART OF THE PIPE FROM THE FINAL PAVEMENT ELEVATION TO THE TOP OF THE PIPE BE LESS THAN 2.5-FEET. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT COVER REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

**COVER HEIGHTS FOR REINFORCED CONCRETE PIPE STORM SEWER THAT ARE LESS THAN THOSE REQUIRED WILL BE EVALUATED ON A CASE BY CASE CONDITION AND APPROVED ONLY WITH WRITTEN PERMISSION BY THE CITY ENGINEER.**

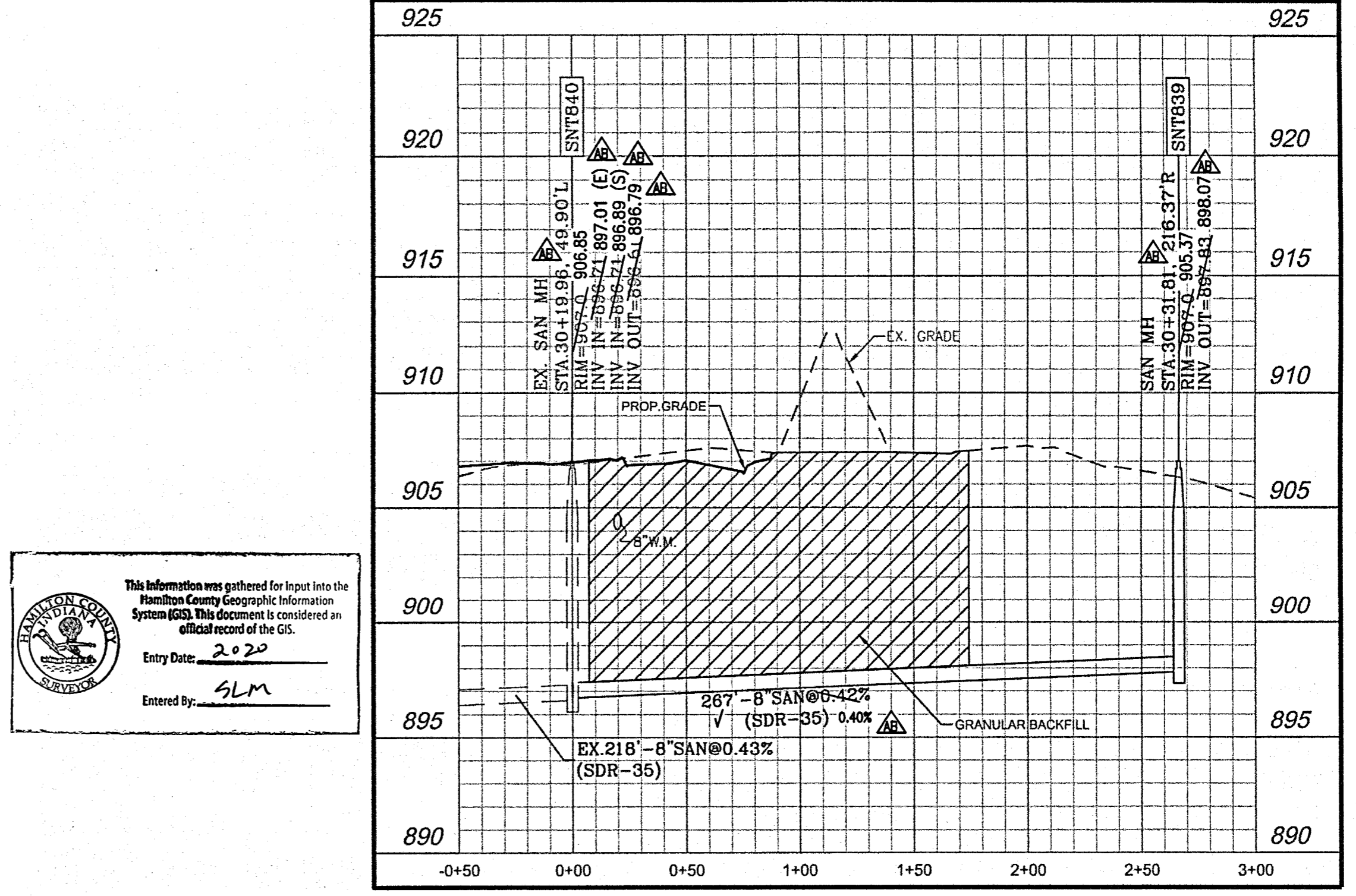
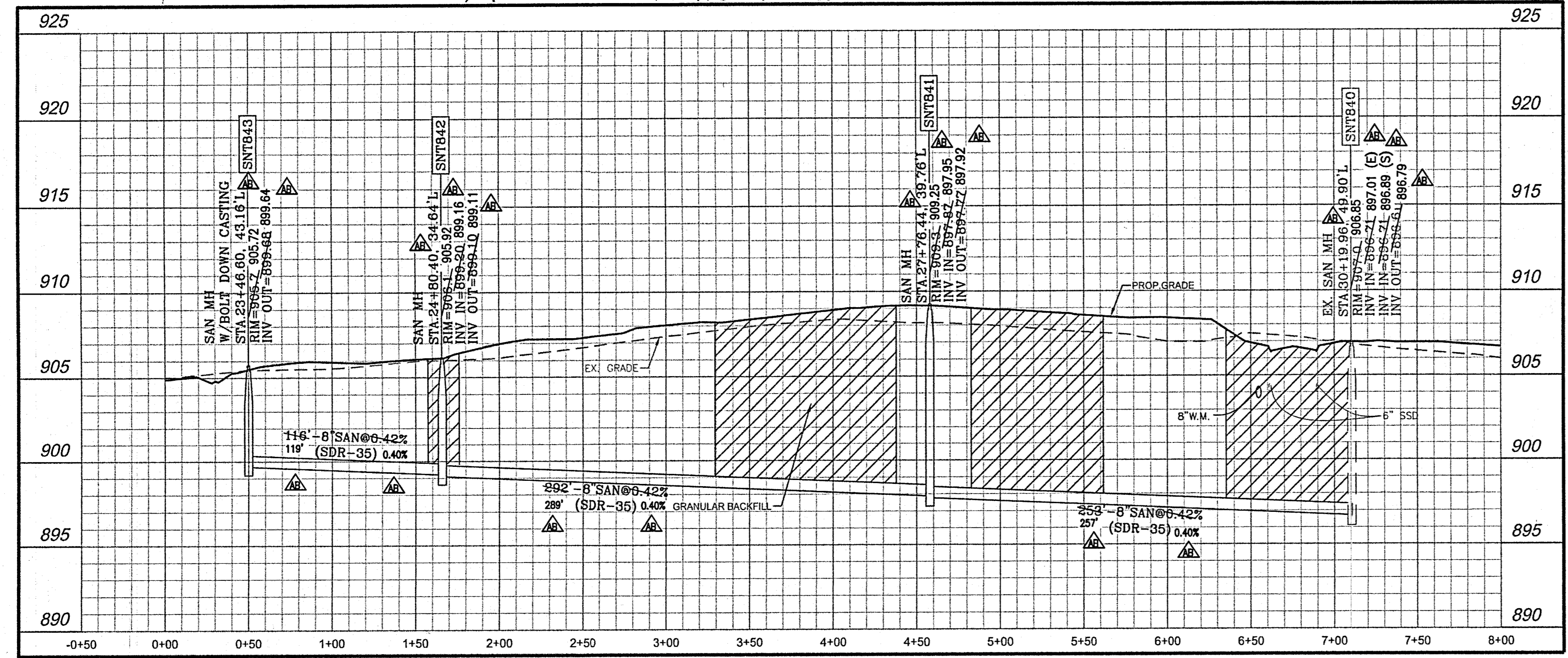
PER STATE RULE 327 IAC 3-6-9, SANITARY SEWERS SHALL NOT BE LOCATED WITHIN TEN (10) FEET OF ANY EXISTING OR PROPOSED WATER MAINS, WHEN MEASURED HORIZONTALLY FROM THE OUTSIDE EDGE OF THE SANITARY SEWER TO THE OUTSIDE EDGE OF ANY EXISTING AND PROPOSED WATER MAINS.

NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.

REVISIONS	NO.	DATE	DESCRIPTION

**SANCTUARY AT 16TH STREET**  
**SECTION TWO B**  
**SANITARY PLAN AND PROFILE**

INDIANA  
 CITY OF CARMEL



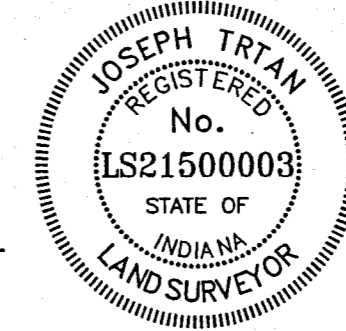
**SANITARY SEWER PLAN AND PROFILE NOTES:**

- 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.
- IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISH.
- ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
- FIELD ADJUSTMENTS OF TOP OF CASTING (T/C) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE AT NO COST TO THE OWNER.
- THE CONTRACTOR WILL BE REQUIRED TO PROVIDE AS-BUILT DRAWINGS TO THE ACCEPTING AGENCY TO CERTIFY THE ELEVATION AND SLOPE OF SANITARY SEWERS. SEWERS INSTALLED AT A GRADE LESS THAN REQUIRED BY THE AGENCY WILL NOT BE ACCEPTED. THE CONTRACTOR SHALL PROVIDE FOR PERIODIC AS-BUILT CHECKS ON THE SEWER DURING CONSTRUCTION TO ASSURE THAT DESIGN GRADE IS BEING MAINTAINED.
- CONTRACTOR SHALL VERIFY LOCATION & INVERT ELEVATIONS OF EXISTING SANITARY SEWER PRIOR TO START OF CONSTRUCTION.
- ALL SANITARY MANHOLE CASTINGS SHALL BE: NEEHAW R-1642A OR ENGINEERED EQUAL WITH CONCEALED PICK HOLES.
- FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN FIVE (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
- SEE SHEETS 18 - 20 FOR SANITARY SEWER SPECIFICATIONS AND DETAILS.
- ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- ALL MANHOLE TO PIPE CONNECTIONS, INCLUDING LATERALS, SHALL BE A-LOCK, DURA SEAL OR APPROVED EQUAL. PRESS-SCAL, KOR-N-SEAL, AND OTHER FLEXIBLE BOOTS SHALL NOT BE USED IN MANHOLES WITH INVERTS DEEPER THAN 14 FEET.
- CLEAN OUTS ALONG SANITARY LATERALS SHALL BE AT A DISTANCE NO GREATER THAN 100 FEET APART.
- ALL SANITARY SEWER MANHOLE TOP OF CASTINGS SHALL BE A MIN OF 3" ABOVE GRADE IN NON PAVED AREAS.
- ALL LATERALS SHALL BE INSTALLED WITH A "TRACER WIRE" ON THE TOP OF THE PIPE THE ENTIRE LENGTH FROM THE SEWER LINE TO THE CLEANOUT.
- THERE ARE NO PUBLIC WATER SYSTEM DRINKING WATER WELLS WITHIN 200 FEET OF THE PROPOSED SANITARY.
- THERE ARE NO PRIVATE WATER WELLS WITHIN 50 FEET OF THE PROPOSED SANITARY SEWER.

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: 2-20-20  
 Entered by: SLM

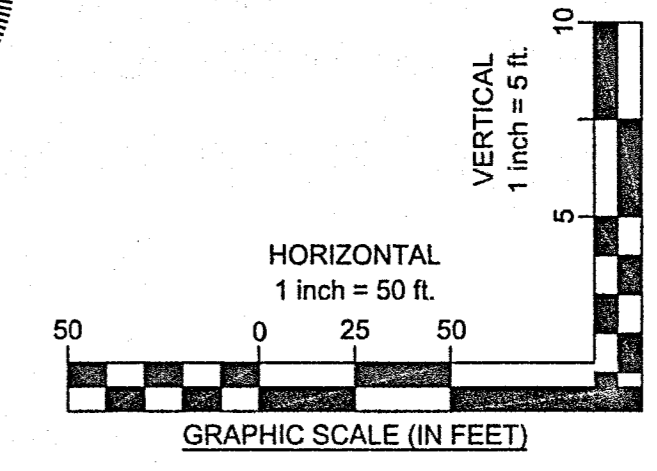
**RECORD DRAWING**  
 SANITARY SEWER AS-BUILTS  
 SANITARY SEWER STRUCTURES ONLY  
 12-20-2018

JOSEPH TRTAN, LS21500003



**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



ISSUE REVIEW	DATE:
	MARCH 29, 2017
JOB NO.:	4431
DESIGN:	JEE
DRAWN:	JEE
CHECKED:	TJV
SHEET NO.	17

RECORD DRAWING

STORM SEWER STRUCTURES ONLY  
12-20-2018

JOSEPH TRIAN, LS21500003

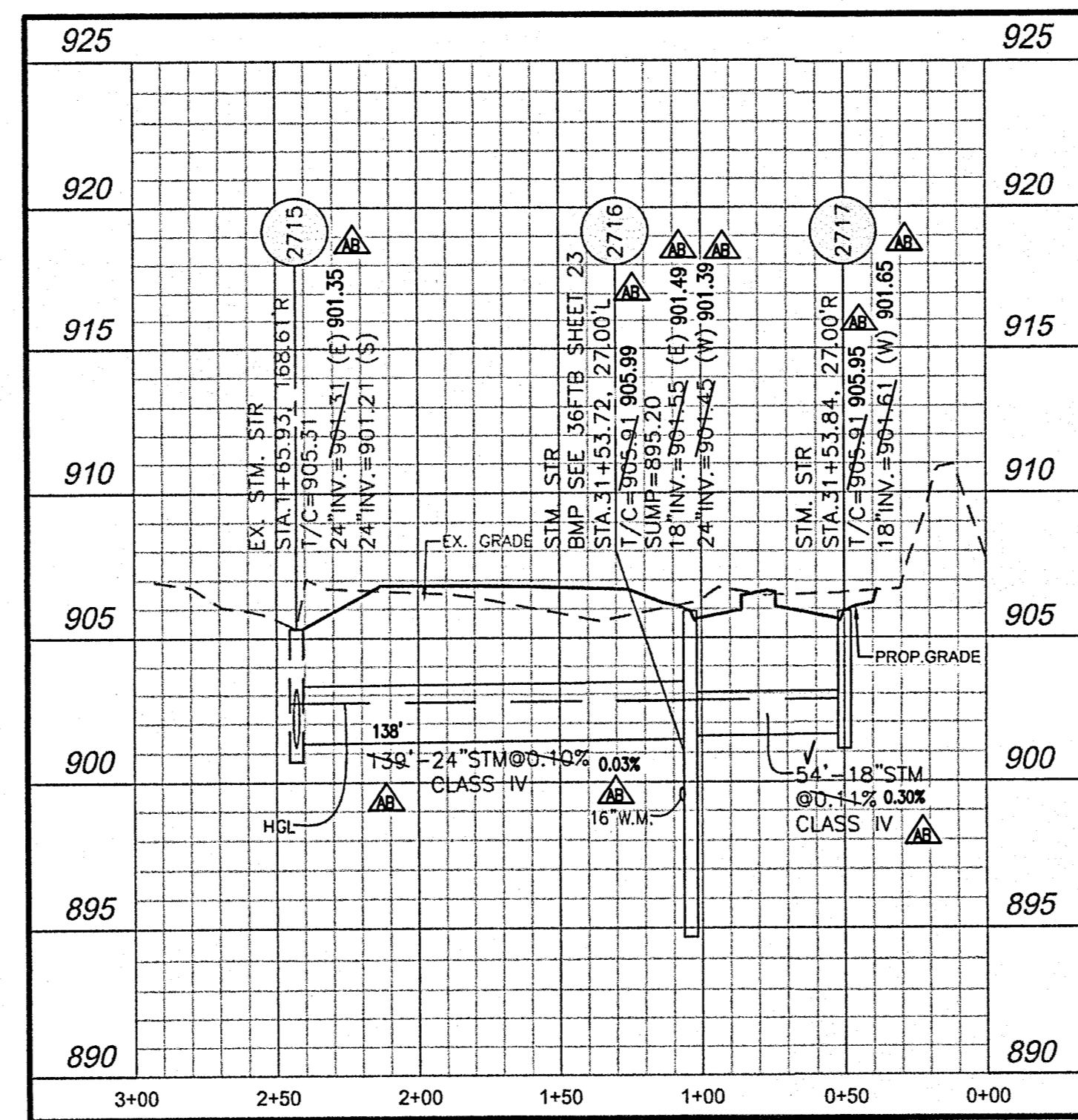
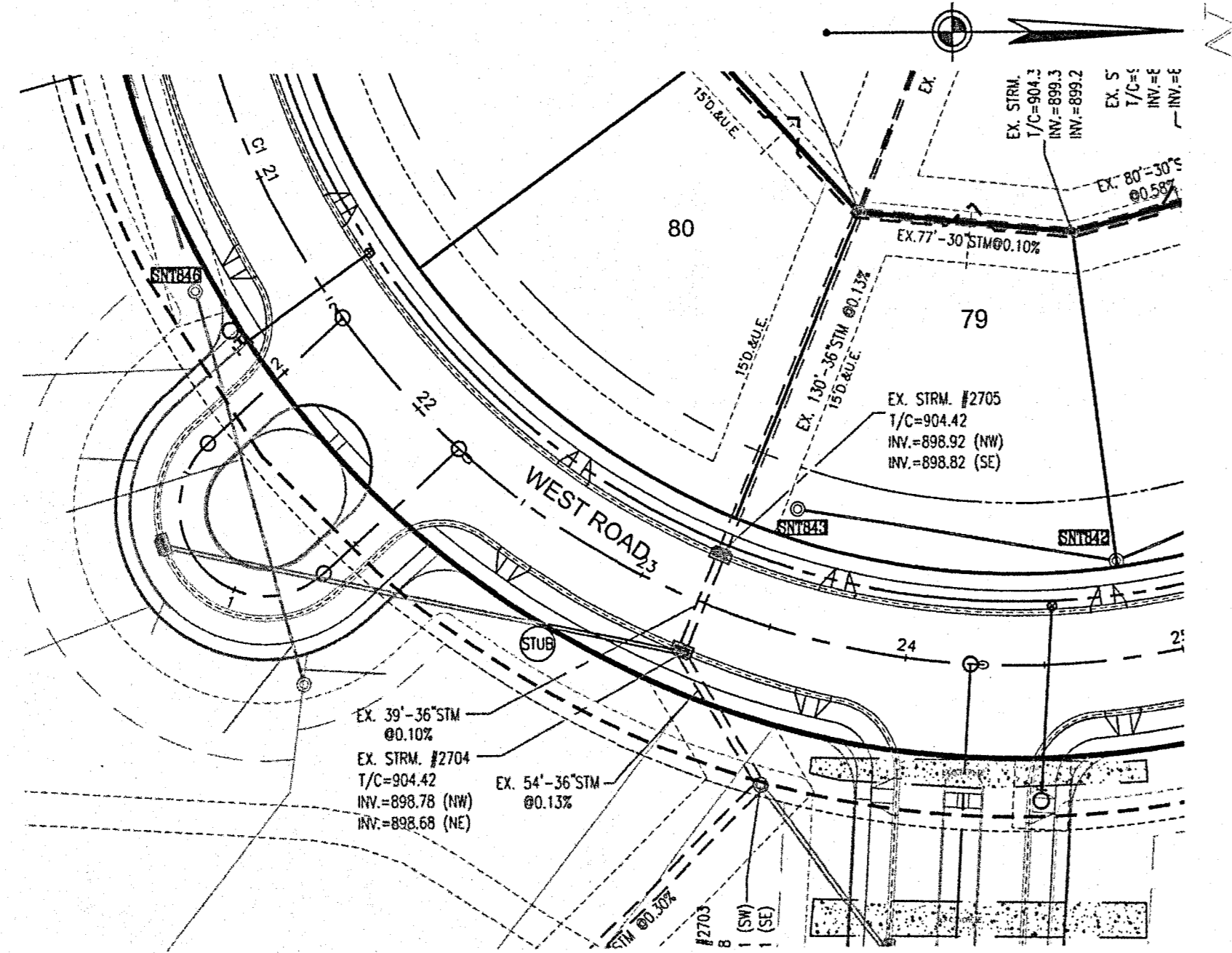
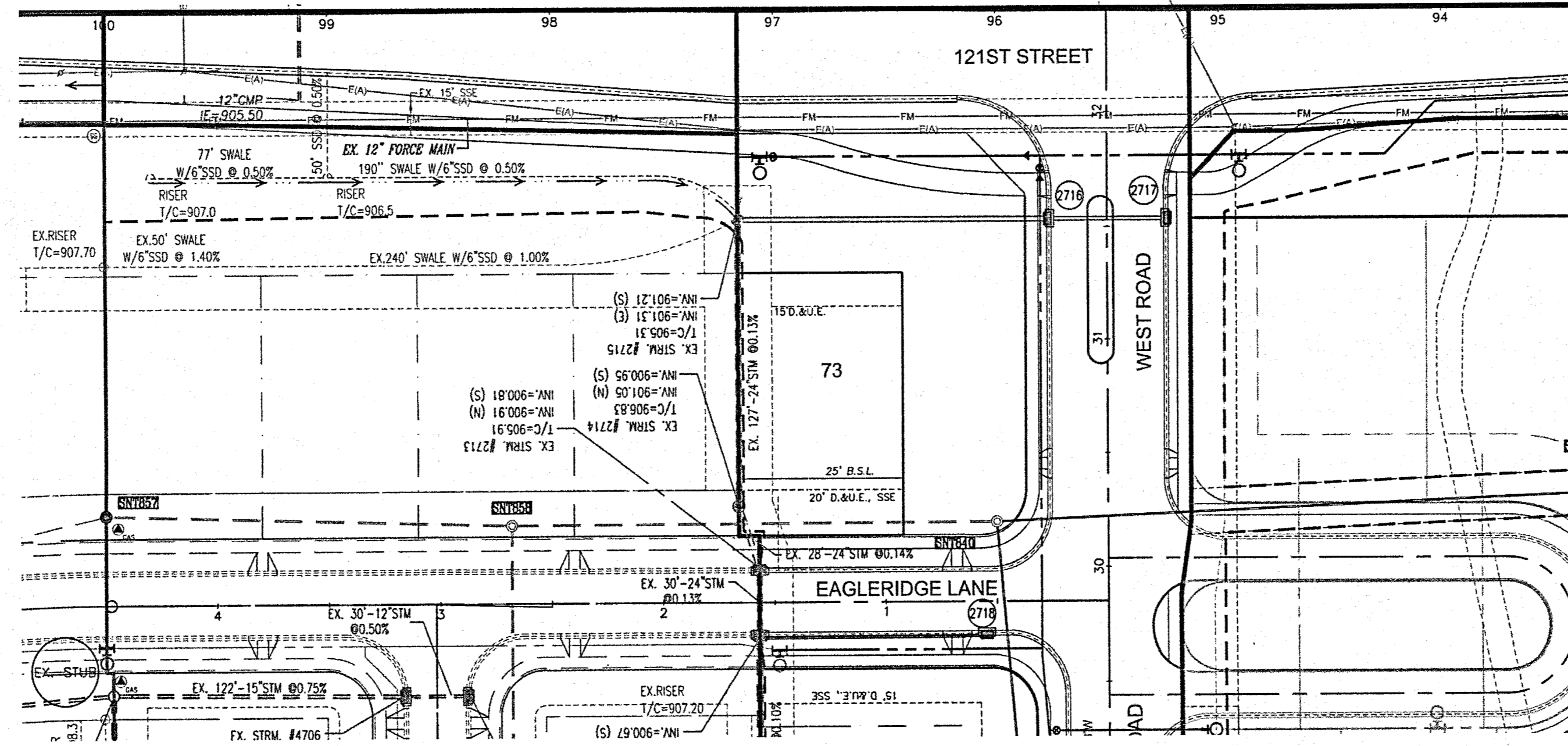


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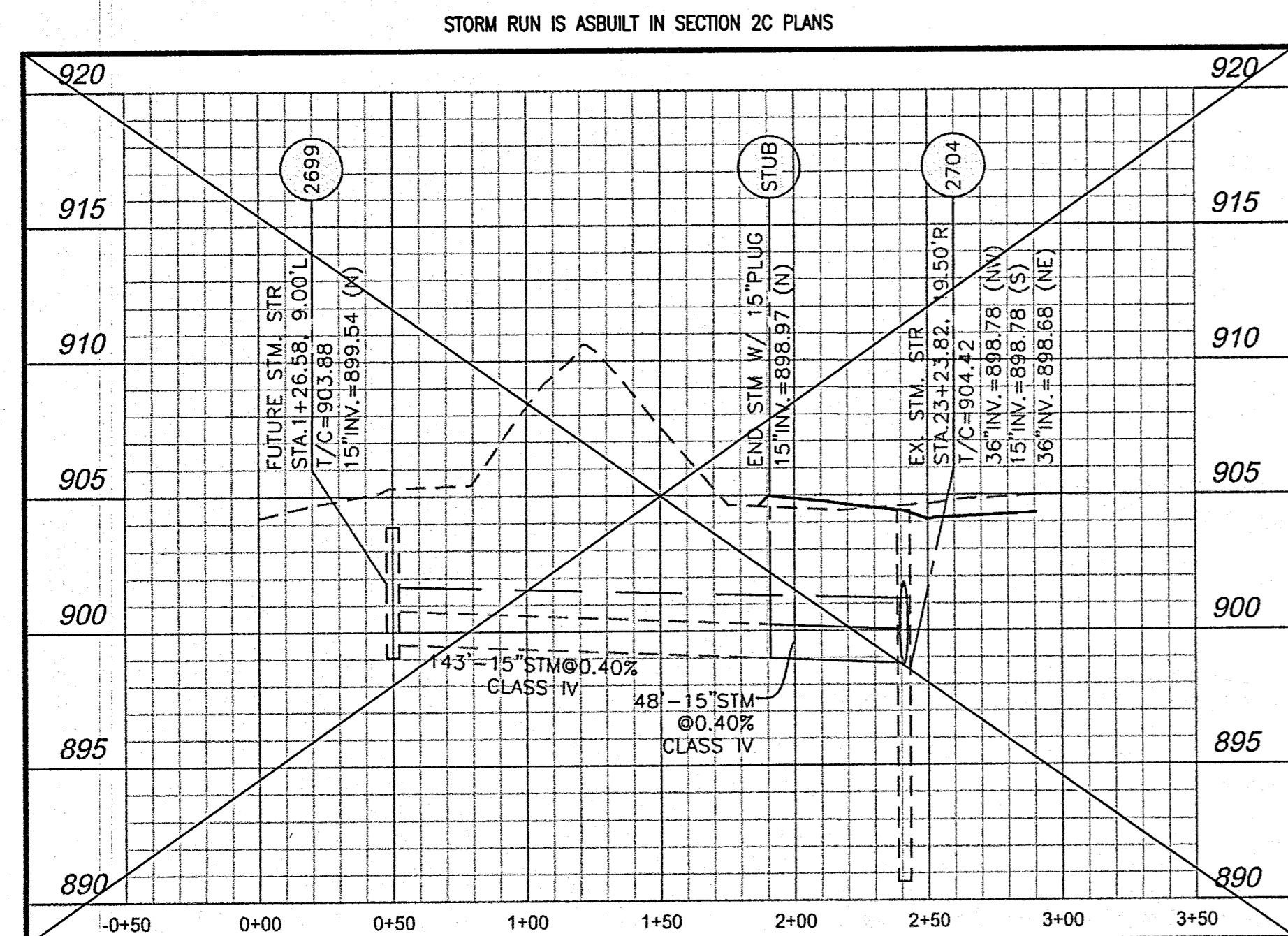
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800 | 452 - 6408  
317 | 843 - 0546 fax  
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

- ▲ AS-BUILT INFORMATION
- ✓ BUILT AS PLANNED

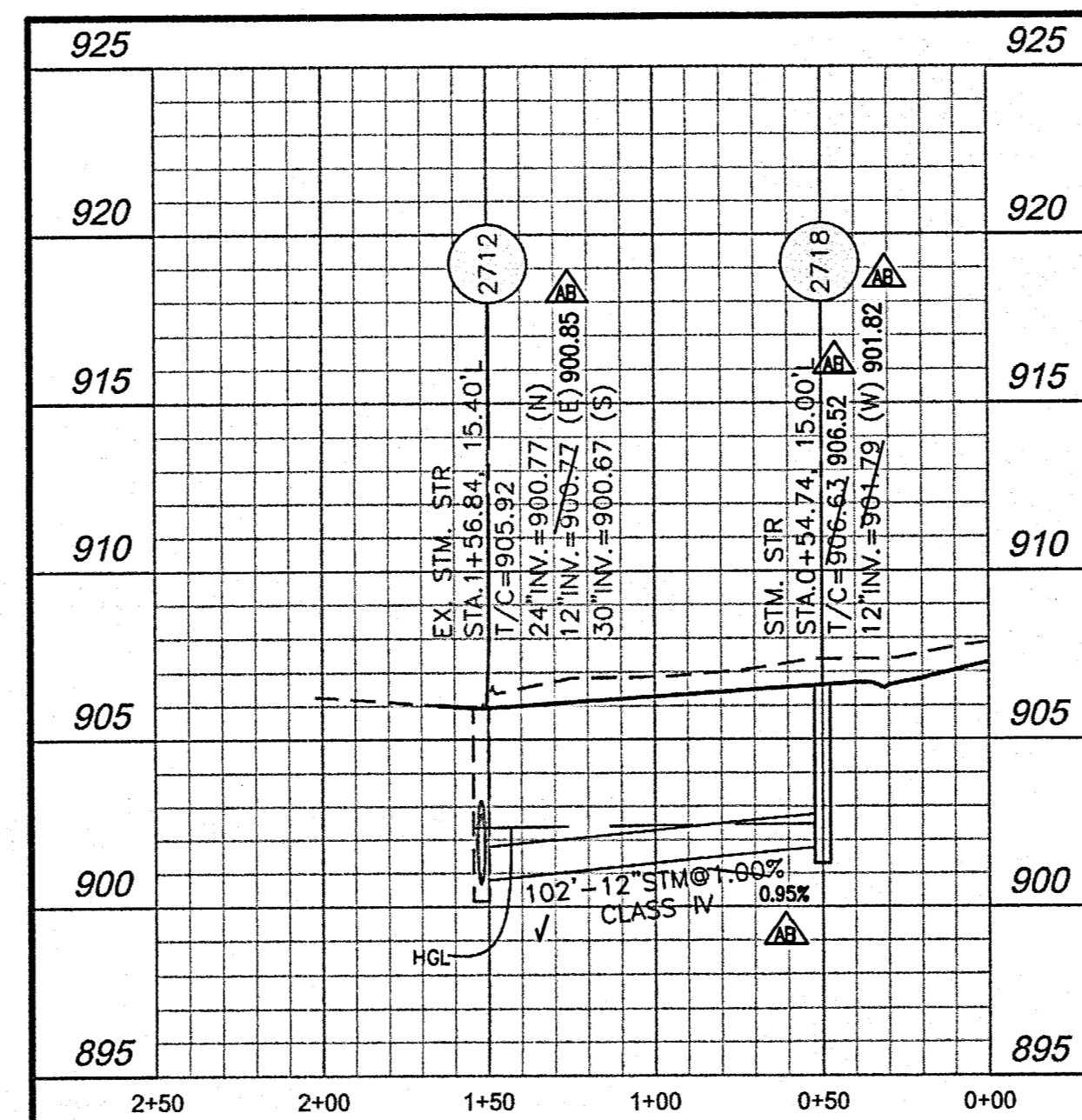
DATE OF LAST FIELDWORK: 11/7/2018



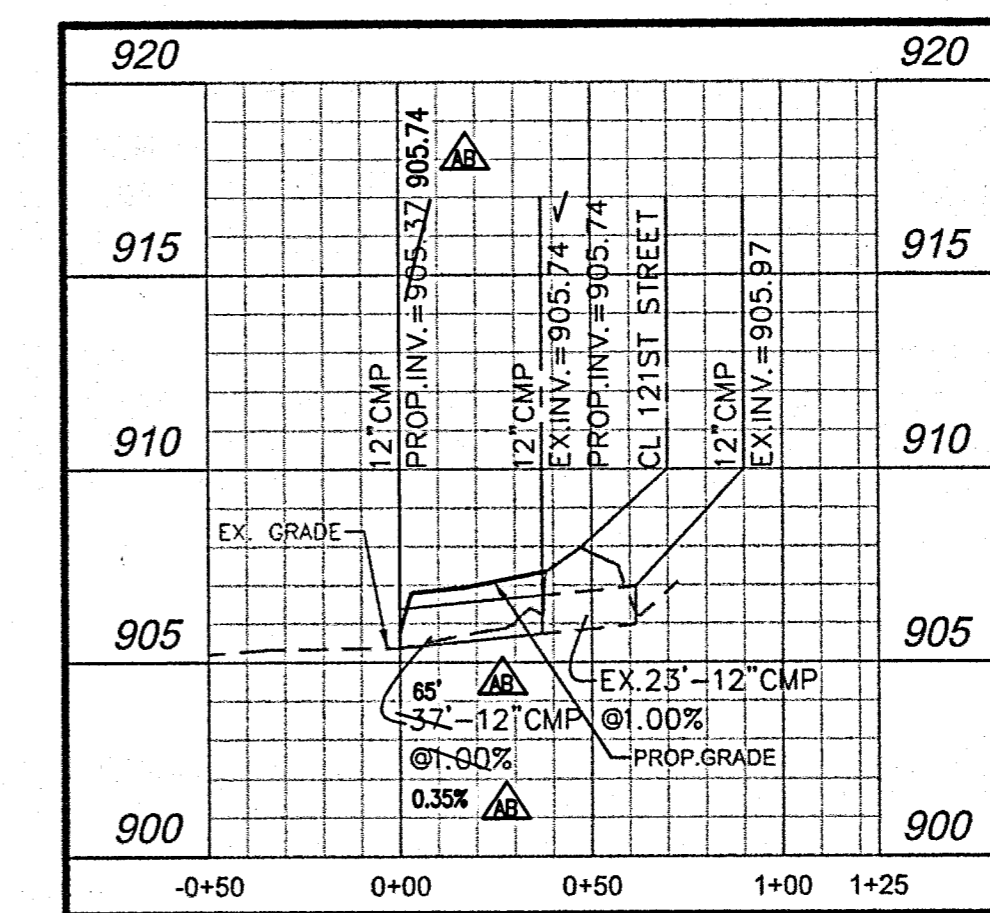
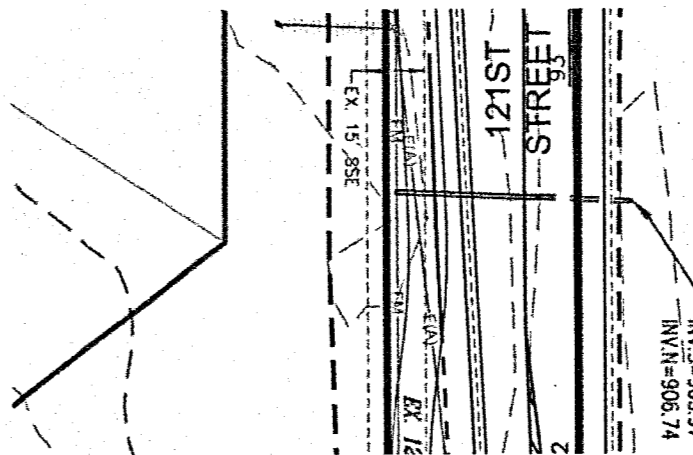
STORM SEWER 2717-2715



STORM SEWER 2699 - 2704



STORM SEWER 2718-2712



121ST STREET CULVERT

CITY OF CARMEL COVER AND BACKFILL POLICY; 9-8-06

WATER AND SEWER UNDER PAVEMENT, SIDEWALK, PAVED AREAS AND WITHIN RIGHT-OF-WAY

BEDDING, HAUNCHING, INITIAL BACKFILL

BEDDING, HAUNCHING AND INITIAL BACKFILL REQUIREMENTS AND COMPACTION FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS SHALL BE IN ACCORDANCE WITH THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION.

FINAL BACKFILL

FINAL BACKFILL FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS UNDER AND WITHIN 5-FOOT OF PAVEMENT OR SIDEWALK OR OTHER PAVED AREAS AND FOR ALL INSTALLATIONS WITHIN CITY RIGHT-OF-WAY SHALL BE B-BORROW FOR STRUCTURE BACKFILL MEETING THE MATERIAL REQUIREMENTS OF THE INDOT. THE MATERIAL SHALL BE APPROVED BY THE CITY OF CARMEL DEPARTMENT OF ENGINEERING AT TIME OF INSTALLATION. FINAL BACKFILL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY FOR THE ENTIRE DEPTH OF THE MATERIAL PLACED. THE BACKFILL FOR THE TOP 6-INCHES OF THE EXCAVATION BELOW THE START OF THE AGGREGATE SUB-BASE OF THE PAVEMENT SHALL BE NO. 53 STONE MEETING THE MATERIAL REQUIREMENT OF THE INDOT AND SHALL BE COMPACTED TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT BACKFILL REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

MINIMUM COVER FOR PIPE CROSSINGS WITHIN CITY RIGHT-OF-WAY

FOR INSTALLATION OF STORM MAINS, WATER MAINS, SANITARY MAINS, WATER SERVICE LATERALS, SANITARY SERVICE LATERALS UNDER CITY STREETS REGARDLESS OF JURISDICTION OF THE UTILITY, THE MINIMUM COVER FROM THE TOP OF THE INSTALLED PAVEMENT TO THE TOP OF THE INSTALLED PIPE SHALL BE THE PAVEMENT SECTION THICKNESS (ALL BITUMINOUS AND AGGREGATE MATERIAL ABOVE THE SUBGRADE) PLUS 1'-0", BUT UNDER NO CIRCUMSTANCES SHALL THE COVER ALONG ANY PART OF THE PIPE FROM THE FINAL PAVEMENT ELEVATION TO THE TOP OF THE PIPE BE LESS THAN 2.5 FEET. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT COVER REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

COVER HEIGHTS FOR REINFORCED CONCRETE PIPE STORM SEWER THAT ARE LESS THAN THOSE REQUIRED WILL BE EVALUATED ON A CASE BY CASE CONDITION AND APPROVED ONLY WITH WRITTEN PERMISSION BY THE CITY ENGINEER.

THE STORM SEWER SYSTEM SHALL BE CONSTRUCTED PER DESIGN SPECIFIED AND AS APPROVED BY THE CITY OF CARMEL ON THE FINAL APPROVED CONSTRUCTION PLANS. DEVIATIONS FROM THE APPROVED DESIGN SHALL ONLY BE PERMITTED DUE TO SPECIAL CIRCUMSTANCES OR DIFFICULTY DURING CONSTRUCTION AND WILL REQUIRE PRIOR FIELD APPROVAL FROM A DESIGNATED REPRESENTATIVE OF THE CITY OF CARMEL IN ADDITION TO SUPPLEMENTAL APPROVAL BY THE DESIGN ENGINEER. AN EXPLANATION OF ANY SUCH DEVIATION SHALL BE INCLUDED AS A REQUIREMENT ON AS-BUILT-RECORD DRAWINGS SUBMITTED FOR RELEASE OF PERFORMANCE GUARANTEES. APPROVED DESIGN SLOPES IDENTIFIED AS GENERATING VELOCITIES OF 2.5 FPS OR LESS OR 10 FPS OR GREATER (AT FULL FLOW CAPACITY) SHALL REQUIRE AS-BUILT CERTIFICATION AT THE TIME OF CONSTRUCTION, PRIOR TO BACKFILLING THE PIPE. THE CONTRACTOR IS INSTRUCTED TO AS-BUILT EACH SECTION OF STORM PIPE AS IT IS BEING INSTALLED TO ENSURE COMPLIANCE WITH DESIGN PLANS AND AS APPROVED BY THE CITY OF CARMEL.

STORM SEWER PLAN AND PROFILE NOTES:

FULL DEPTH GRANULAR BACKFILL SHALL BE PER DETAIL 10-28 ON SHEET 23. REFER TO DETAIL 10-28, SHEET 23 FOR TRENCHING, BACKFILL AND COVER REQUIREMENTS. PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND DOES NOT INCLUDE END SECTIONS.

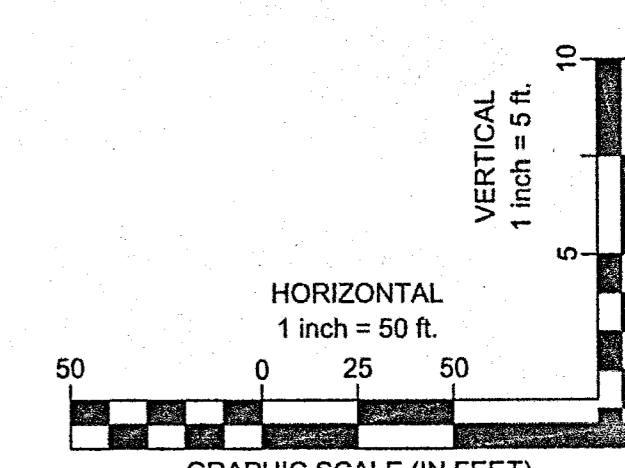
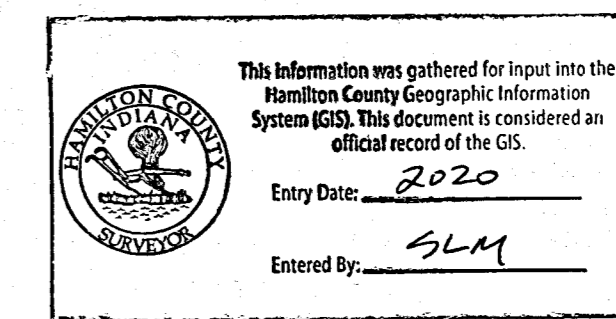
THERE SHALL BE NO FRAMES, CASTINGS, OR VALVE BOX EXTENSIONS IN THE STREET PAVEMENT, CURBS, SIDEWALKS, OR ASPHALT PATH FOR ANY UTILITY INSTALLATIONS IN THE RIGHT-OF-WAY WITH THE EXCEPTION OF CURB INLET CASTINGS.

BENCHMARK INFORMATION

BM 800 54 - A DNR DISK IS LOCATED 1.0 MILE NORTHEAST OF ZIONSVILLE; 0.2 MILES EAST ALONG WEST 121ST STREET FROM ITS JUNCTION WITH STATE ROAD 421, AT THE INTERSECTION OF DAUGHERTY DRIVE AND WEST 121ST STREET, IN THE NORTHEAST 1/4 OF THE INTERSECTION, AT THE ENTRANCE TO THE EAGLE VILLAGE SUBDIVISION; SET IN THE TOP OF A CONCRETE POST, LEVEL WITH THE GROUND; A DEPARTMENT OF NATURAL RESOURCES BRASS CONTROL STATION TABLET, STAMPED '800 54 1989'. ELEV.: 900.76 FEET (1988 DATUM)

HORIZONTAL DATUM: NAD 83 INDIANA STATE PLANE COORDINATE SYSTEM, EAST ZONE

NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.



REVISIONS	NO.	DATE	DESCRIPTION

SANCTUARY AT 116TH STREET  
SECTION TWO B  
STORM SEWER PLAN AND PROFILE

**CESA**  
CREATION TO COMPLETION  
WWW.CESAINC.COM  
Engineering • Architecture • Survey • Construction Mgmt • Environmental

ISSUE: REVIEW  
DATE: MARCH 29, 2017  
JOB NO.: 4431  
DESIGN: JEE  
DRAWN: JEE  
CHECKED: TJV  
SHEET NO. 21



CITY OF CARMEL COVER AND BACKFILL POLICY; 9-8-06

WATER AND SEWER UNDER PAVEMENT, SIDEWALK, PAVED AREAS AND WITHIN RIGHT-OF-WAY

BEDDING, HAUNCHING, INITIAL BACKFILL

BEDDING, HAUNCHING AND INITIAL BACKFILL REQUIREMENTS AND COMPACTION FOR WATER MAINS, SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS SHALL BE IN ACCORDANCE WITH THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION.

FINAL BACKFILL

FINAL BACKFILL FOR WATER MAINS, WATER SERVICE LATERALS, SANITARY MAINS AND SANITARY SERVICE LATERALS UNDER AND WITHIN 5-FEET OF PAVEMENT OR SIDEWALK OR OTHER PAVED AREAS AND FOR ALL INSTALLATIONS WITHIN CITY RIGHT-OF-WAY SHALL BE B-BORROW FOR STRUCTURE BACKFILL MEETING THE MATERIAL REQUIREMENTS OF THE INDOT. THE MATERIAL SHALL BE APPROVED BY THE CITY OF CARMEL DEPARTMENT OF ENGINEERING AT TIME OF INSTALLATION. FINAL BACKFILL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY FOR THE ENTIRE DEPTH OF THE MATERIAL PLACED. THE BACKFILL FOR THE TOP 6-INCHES OF THE EXCAVATION BELOW THE START OF THE AGGREGATE SUB-BASE OF THE PAVEMENT SHALL BE NO.53 STONE MEETING THE MATERIAL REQUIREMENT OF THE INDOT AND SHALL BE COMPACTED TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT BACKFILL REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

MINIMUM COVER FOR PIPE CROSSINGS WITHIN CITY RIGHT-OF-WAY

FOR INSTALLATION OF STORM MAINS, WATER MAINS, SANITARY MAINS, WATER SERVICE LATERALS, SANITARY SERVICE LATERALS UNDER CITY STREETS REGARDLESS OF JURISDICTION OF THE UTILITY, THE MINIMUM COVER FROM THE TOP OF THE INSTALLED PAVEMENT TO THE TOP OF THE INSTALLED PIPE SHALL BE THE PAVEMENT SECTION THICKNESS (ALL BITUMINOUS AND AGGREGATE MATERIAL ABOVE THE SUBGRADE) PLUS 1'-0", BUT UNDER NO CIRCUMSTANCES SHALL THE COVER ALONG ANY PART OF THE PIPE FROM THE FINAL PAVEMENT ELEVATION TO THE TOP OF THE PIPE BE LESS THAN 2.5-FEET. IF THE STANDARD PRACTICE OF THE UTILITY THAT HAS JURISDICTION OVER THE INSTALLATION HAS A MORE STRINGENT COVER REQUIREMENT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

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STORM SEWER PLAN AND PROFILE NOTES:

FULL DEPTH GRANULAR BACKFILL SHALL BE PER DETAIL 10-28 ON SHEET 23. REFER TO DETAIL 10-28, SHEET 23 FOR TRENCHING, BACKFILL AND COVER REQUIREMENTS. PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND DOES NOT INCLUDED END SECTIONS.

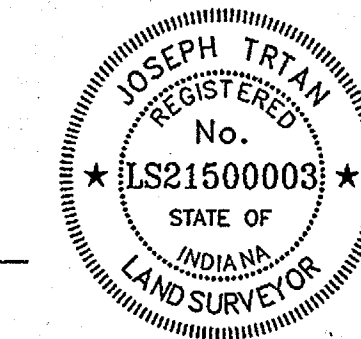
THERE SHALL BE NO FRAMES, CASTINGS, OR VALVE BOX EXTENSIONS IN THE STREET PAVEMENT, CURBS, SIDEWALKS, OR ASPHALT PATH FOR ANY UTILITY INSTALLATIONS IN THE RIGHT-OF-WAY WITH THE EXCEPTION OF CURB INLET CASTINGS.

NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.

RECORD DRAWING

STORM SEWER AS-BUILTS  
STORM SEWER STRUCTURES ONLY  
2-3-2017

JOSEPH TRTAN, LS21500003

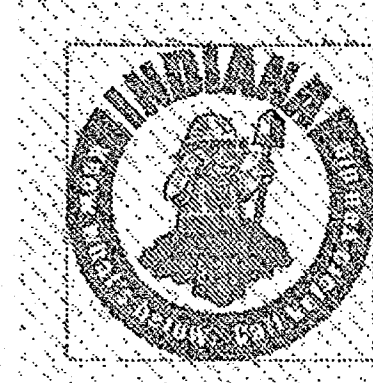
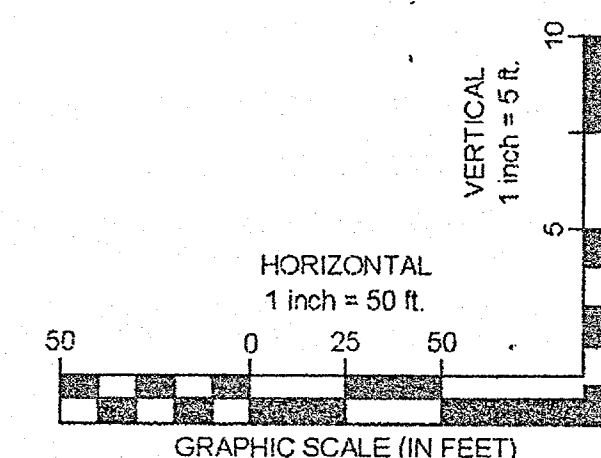
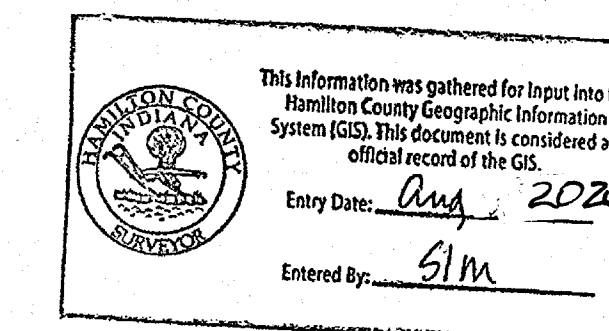


- ▲ - ASBUILT INFORMATION
- ✓ - BUILT AS PLANNED

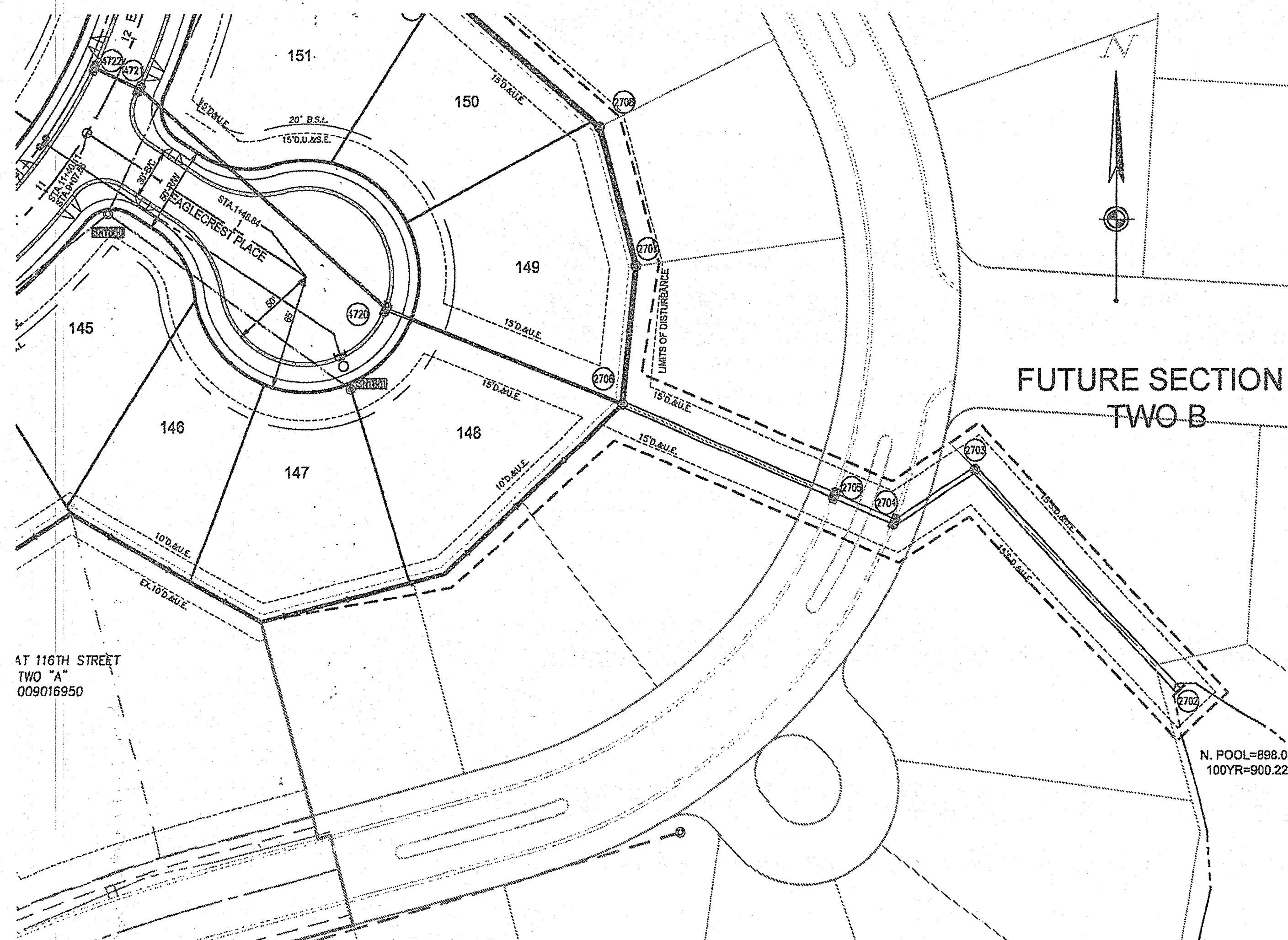
BENCHMARK INFORMATION

BM BOO 54 - A DNR DISK IS LOCATED 1.0 MILE NORTHEAST OF ZIONSVILLE; 0.2 MILES EAST ALONG WEST 121ST STREET FROM ITS JUNCTION WITH STATE ROAD 421, AT THE INTERSECTION OF DAUGHERTY DRIVE AND WEST 121ST STREET, IN THE NORTHEAST 1/4 OF THE INTERSECTION, AT THE ENTRANCE TO THE EAGLE VILLAGE SUBDIVISION, SET IN THE TOP OF A CONCRETE POST, LEVEL WITH THE GROUND; A DEPARTMENT OF NATURAL RESOURCES BRASS CONTROL STATION TABLET, STAMPED "BOO 54 1989". ELEV.: 900.76 FEET (1988 DATUM)

HORIZONTAL DATUM: NAD 83 INDIANA STATE PLANE COORDINATE SYSTEM, EAST ZONE

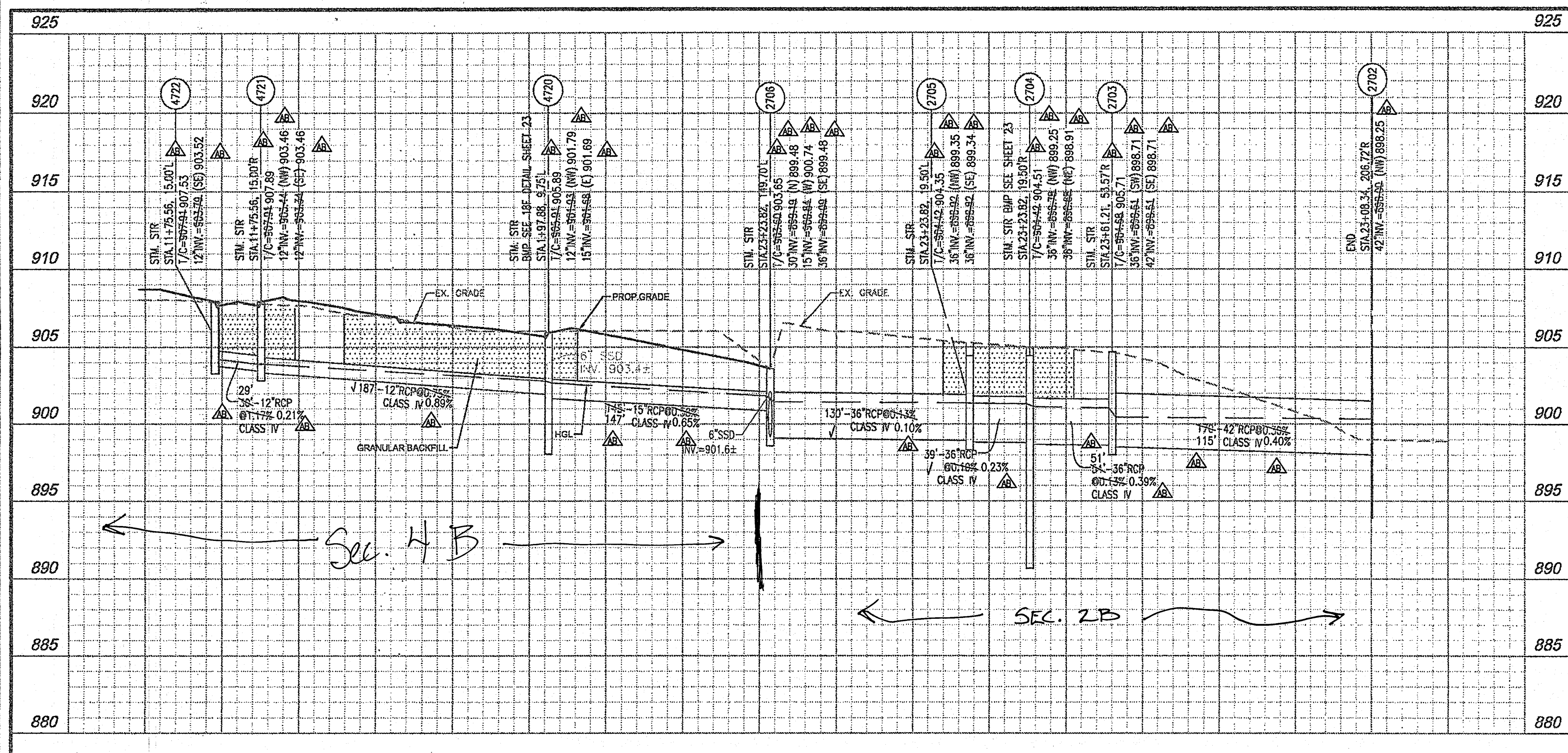


ISSUE: CONSTRUCTION  
DATE: OCTOBER 2014  
JOB NO.: 4431  
DESIGN: JEE  
DRAWN: JEE  
CHECKED: TJV  
SHEET NO. 20



AT 116TH STREET  
TWO "A"  
009016950

N. POOL=698.00  
100YR=900.22



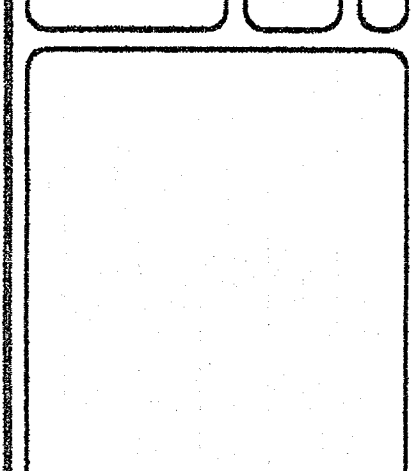
STORM SEWER 4722 - 2702

GRANULAR BACKFILL

REVISIONS NO.	DATE	DESCRIPTION

APPROVAL PENDING  
NOT FOR CONSTRUCTION

SANCTUARY AT 116TH STREET  
SECTION FOUR B - Sec. 2B  
STORM SEWER PLAN AND PROFILE  
INDIANA  
CITY OF CARMEL



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