

201

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

August 9, 2021

TO: Hamilton County Drainage Board

RE: Little Eagle Creek, George Coverdale Drain—Atwater

Attached is a petition and plans for the proposed reconstruction of the George Coverdale Drain. The reconstruction is being proposed by Olthoff Homes. The proposal is one part of a three-part plan to reconstruct Alva Osborne, George Coverdale and Stephens & Clark Regulated Drains as a part of the master plan for the Atwater Subdivision. The reconstructions are per plans by HWC Engineering, having Job No. 2019-157-A and dated January 3, 2020.

The new system described in this report will intercept the George Coverdale Drain in the form of a new open ditch running from west to east and entering the reconstructed Alva Osborne Drain at Station 20+45 of the new open ditch as described in my report for the Little Eagle Creek, Alva Osborne Drain – Atwater dated August 6, 2021.

The reconstruction of the George Coverdale Drain shall begin at the northern limits of the subdivision at Station 13+14 per the drain's original 1914 description and at proposed Structure 291 as shown in the plans. The drain then runs south for 19 feet with 42" RCP before outletting into the new open ditch at Structure 290 per the plans which is at Station 12+01 per the profile on Sheet C1.17 of the plans. The bypass swale then runs east for 845 feet before merging with the Alva Osborne Drain at existing Station 85+53 per the Alva Osborne Drain's original description and Station 20+45 per the profile on Sheet C1.18 of the plans.

The reconstructed drain shall consist of the following:

Open Ditch	845 feet
42" RCP	19 feet

The total length of the new reconstructed drain will be 864 feet. The 95 feet of the original drain from Station 13+14 to Station 14+09 is to be removed and vacated. The original drain and associated easement from Station 14+09 to Station 19+76 is to remain until a later phase of development. The 1,024 feet of the George Coverdale Drain between Station 19+76 and Station 30+00 is to be vacated with the development of Atwater Section 1. The proposal will reduce the overall length of regulated drain by 255 feet.

The overall cost of reconstruction will be paid by Olthoff Homes.

The petitioner has provided the Performance Bond as follows:

Storm Sewers

Bonding Company: Lexon Insurance Com
Bond Number: LICX1196190
Bond Date: October 27, 2020
Bond Amount: \$586,964.40

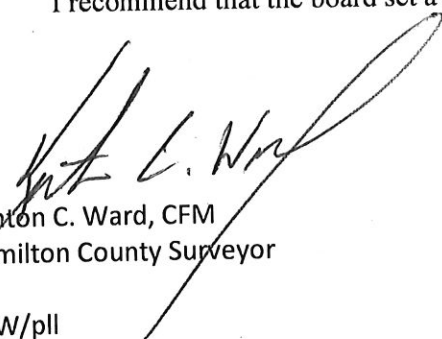
Erosion Control

Bonding Company: Lexon Insurance Com
Bond Number: LICX1196191
Bond Date: October 27, 2020
Bond Amount: \$84,689.00

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request for Atwater Section 1. The non-enforcement is for the altering of the regulated drain easement widths as shown in the above referenced plans and secondary plat designed by Kimley Horn and Associates Inc.

An offsite easement has been granted with the reconstruction of the George Coverdale Drain and is located on the following parcel number 08-05-22-00-00-020.000 owned by Carey & Sons, Inc. Prior to the hearing, the easement grant has been reviewed, approved and recorded as Instrument Number: 2021035342.

I recommend that the board set a hearing for this proposed drain for September 27, 2021



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

FILED

OCT 20 2020

OFFICE OF HAMILTON COUNTY SURVEYOR

IN RE: Olthof Homes; Atwater Section 1)
Hamilton County, Indiana)

PETITION FOR RELOCATION AND RECONSTRUCTION

Ed Recktenwall (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the George Coverdale Drain, and in support of

said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the George Coverdale Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the George Coverdale Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the George Coverdale Drain, without cost to other property owners on the watershed of the George Coverdale Drain.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the George Coverdale Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.



Signed

Ed Recktenwall

Printed

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

FILED

NOV 02 2020

OFFICE OF HAMILTON COUNTY SURVEYOR

IN RE: Atwater Development LLC; Atwater Section 1)
Hamilton County, Indiana)

PETITION FOR RELOCATION AND RECONSTRUCTION

Atwater Development LLC (hereinafter Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the George Coverdale Drain, and in support of

said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the George Coverdale Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the George Coverdale Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the George Coverdale Drain, without cost to other property owners on the watershed of the George Coverdale Drain.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the George Coverdale Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.



Signed



Printed

FINDINGS AND ORDER

CONCERNING THE PARTIAL VACATION OF THE

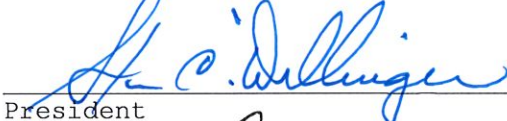
Little Eagle Creek Drain, George Coverdale Arm, Atwater

Station 13+14 to Station 14+09 & Station 19+76 to Station 30+00

On this 27th day of September, 2021, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the Little Eagle Creek Drain, George Coverdale Arm, Atwater (Station 13+14 to Station 14+09 and Station 19+76 to Station 30+00).

Evidence has been heard. Objections were presented and considered. The Board then adopted an order of action. The Board now finds that the costs of continued maintenance to the portion of the above drain exceed the benefits to the real estate benefited by the portion of the drain to be abandoned and issues this order vacating the above section of the Little Eagle Creek Drain, George Coverdale Arm, Atwater (Station 13+14 to Station 14+09 and Station 19+76 to Station 30+00).

HAMILTON COUNTY DRAINAGE BOARD



President



Member



Member

Attest: 

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Little Eagle Creek Drain, George Coverdale Arm, Atwater

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the **Little Eagle Creek Drain, George Coverdale Arm, Atwater** came before the Hamilton County Drainage Board for hearing **on September 27, 2021**, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

Wherefore, it is ORDERED, that the proposed Reconstruction of the **Little Eagle Creek Drain, George Coverdale Arm, Atwater** be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:


HAMILTON COUNTY DRAINAGE BOARD


PRESIDENT


Member


Member

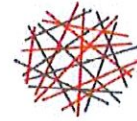
ATTEST:


Executive Secretary

Olthof Homes
 Project: Atwater Section 1
 HWC Project No. 2019-157
 Date: 10/16/2020

FILED

OCT 20 2020



HWC
 ENGINEERING

OFFICE OF HAMILTON COUNTY SURVEYOR
PERFORMANCE BOND - ENGINEERS ESTIMATE

	ITEM NAME:	UNIT	QUANTITY	UNIT COST	AMOUNT
STORM SEWER					
	42" RCP	LF	19	\$ 70.00	\$ 1,330.00
	48" RCP	LF	145	\$ 75.00	\$ 10,875.00
	60" RCP	LF	357	\$ 80.00	\$ 28,560.00
	RENO MATTRESS	CY	590	\$ 300.00	\$ 177,000.00
	MANHOLE, LARGE	EA	5	\$ 4,000.00	\$ 20,000.00
	STANDARD INLET	EA	5	\$ 2,000.00	\$ 10,000.00
	DOUBLE INLET	EA	1	\$ 4,000.00	\$ 4,000.00
	6'X5' BOX CULVERT	LF	94	\$ 1,100.00	\$ 103,400.00
	8'X6' BOX CULVERT	LF	95	\$ 1,400.00	\$ 133,000.00
	REMOVE EXISTING 66"X84" ELLIPTICAL CMP	LF	36	\$ 27.00	\$ 972.00
STORM SEWER SUBTOTAL:					\$ 489,137.00
STORM SEWER PERFORMANCE BOND (120%):					\$ 586,964.40
EROSION CONTROL					
	PERIMETER SILT FENCE	LF	13709	\$ 1.25	\$ 17,136.25
	TEMPORARY SEEDING W/MULCH	SY	8250	\$ 0.25	\$ 2,062.61
	PERMANENT SEEDING W/MULCH	SY	30603	\$ 0.50	\$ 15,301.28
	PERMANENT SEEDING W/BLANKET	SY	22529	\$ 1.25	\$ 28,160.69
	CURB INLET PROTECTION	EA	0	\$ 150.00	\$ -
	YARD INLET PROTECTION	EA	6	\$ 75.00	\$ 450.00
	CONSTRUCTION ENTRANCE	SY	696	\$ 10.00	\$ 6,963.33
	CONCRETE WASHOUT	LS	1	\$ 500.00	\$ 500.00
STORM SEWER SUBTOTAL:					\$ 70,574.16
STORM SEWER PERFORMANCE BOND (120%):					\$ 84,689.00

This Engineer's Estimate is an opinion of probable construction cost made on the basis of Engineer's experience and represent Engineer's judgement as a qualified professional generally familiar with the industry. However, since Engineer has no control over the cost of materials, equipment, labor or market conditions, Engineer cannot guarantee that actual construction cost will not vary from this Engineer's Estimate.

Hope A. Martin

Hope Martin, P.E.
 HWC Engineering



SUBDIVISION BOND

Bond No.: LICX1196190

Principal Amount: \$586,964.40

KNOW ALL MEN BY THESE PRESENTS, that we

Atwater Development, LLC
8051 Wicker Ave., Ste. A, St. John, IN 46373

as **Principal**, and

Lexon Insurance Company
12890 Lebanon Road, Mt. Juliet, TN 37122 a TX

Corporation, as Surety, are held and firmly bound unto

Hamilton County Drainage Board,
1 Hamilton County Square, Suite 188 Noblesville, IN 46060

as **Obligee, in the penal sum of**

Five Hundred Eighty Six Thousand Nine Hundred Sixty Four Dollars and 40/100
(Dollars) (\$ 586,964.40), 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, Atwater Development, LLC has agreed to construct in
Atwater - Section 1 Subdivision, in Noblesville, IN the following
improvements:

Storm Sewer

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 27th day of October, 2020

Atwater Development, LLC
Principal

By: [Signature]

Lexon Insurance Company
Surety

By: [Signature]
James I. Moore Attorney-in-Fact





POWER OF ATTORNEY

KNOW ALL BY THESE PRESENTS, that Endurance Assurance Corporation, a Delaware corporation, Endurance American Insurance Company, a Delaware corporation, Lexon Insurance Company, a Texas corporation, and/or Bond Safeguard Insurance Company, a South Dakota corporation, each, a "Company" and collectively, "Sompo International," do hereby constitute and appoint: **James I. Moore**

as true and lawful Attorney(s)-in-Fact to make, execute, seal, and deliver for, and on its behalf as surety or co-surety; bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking so made, executed and delivered shall obligate the Company for any portion of the penal sum thereof in excess of the sum of Five Million Dollars (\$5,000,000.00).

Surety Bond No.: LICX1196190
Principal: Atwater Development, LLC
Obligee: Hamilton County Drainage Board

Such bonds and undertakings for said purposes, when duly executed by said attorney(s)-in-fact, shall be binding upon the Company as fully and to the same extent as if signed by the President of the Company under its corporate seal attested by its Corporate Secretary.

This appointment is made under and by authority of certain resolutions adopted by the sole shareholder of each Company by unanimous written consent effective the 15th day of June, 2019, a copy of which appears below under the heading entitled "Certificate".

This Power of Attorney is signed and sealed by facsimile under and by authority of the following resolution adopted by the sole shareholder of each Company by unanimous written consent effective the 15th day of June, 2019 and said resolution has not since been revoked, amended or repealed:

RESOLVED, that the signature of an individual named above and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signature or seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, each Company has caused this instrument to be signed by the following officers, and its corporate seal to be affixed this 15th day of June, 2019.

Endurance Assurance Corporation
By: *Richard M. Appel*
Richard Appel; SVP & Senior Counsel



Endurance American Insurance Company
By: *Richard M. Appel*
Richard Appel; SVP & Senior Counsel



Lexon Insurance Company
By: *Richard M. Appel*
Richard Appel; SVP & Senior Counsel



Bond Safeguard Insurance Company
By: *Richard M. Appel*
Richard Appel; SVP & Senior Counsel



ACKNOWLEDGEMENT

On this 15th day of June, 2019, before me, personally came the above signatories known to me, who being duly sworn, did depose and say that he/she is an officer of each of the Companies; and that he executed said instrument on behalf of each Company by authority of his office under the by-laws of each Company.

By: *Amy Taylor*
Amy Taylor, Notary Public - My Commission Expires 5/9/23

CERTIFICATE

I, the undersigned Officer of each Company, DO HEREBY CERTIFY that:

1. That the original power of attorney of which the foregoing is a copy was duly executed on behalf of each Company and has not since been revoked, amended or modified; that the undersigned has compared the foregoing copy thereof with the original power of attorney, and that the same is a true and correct copy of the original power of attorney and of the whole thereof;
2. The following are resolutions which were adopted by the sole shareholder of each Company by unanimous written consent effective June 15, 2019 and said resolutions have not since been revoked, amended or modified:

"RESOLVED, that each of the individuals named below is authorized to make, execute, seal and deliver for and on behalf of the Company any and all bonds, undertakings or obligations in surety or co-surety with others: RICHARD M. APPEL, BRIAN J. BEGGS, CHRISTOPHER DONELAN, SHARON L. SIMS, CHRISTOPHER L. SPARRO, MARIANNE L. WILBERT

; and be it further

RESOLVED, that each of the individuals named above is authorized to appoint attorneys-in-fact for the purpose of making, executing, sealing and delivering bonds, undertakings or obligations in surety or co-surety for and on behalf of the Company."

3. The undersigned further certifies that the above resolutions are true and correct copies of the resolutions as so recorded and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal this 27th day of October, 2020

By: *Daniel S. Lurie*
Daniel S. Lurie, Secretary

NOTICE: U. S. TREASURY DEPARTMENT'S OFFICE OF FOREIGN ASSETS CONTROL (OFAC)

No coverage is provided by this Notice nor can it be construed to replace any provisions of any surety bond or other surety coverage provided. This Notice provides information concerning possible impact on your surety coverage due to directives issued by OFAC. Please read this Notice carefully.

The Office of Foreign Assets Control (OFAC) administers and enforces sanctions policy, based on Presidential declarations of "national emergency". OFAC has identified and listed numerous foreign agents, front organizations, terrorists, terrorist organizations, and narcotics traffickers as "Specially Designated Nationals and Blocked Persons". This list can be located on the United States Treasury's website - <https://www.treasury.gov/resource-center/sanctions/SDN-List>.

In accordance with OFAC regulations, if it is determined that you or any other person or entity claiming the benefits of any coverage has violated U.S. sanctions law or is a Specially Designated National and Blocked Person, as identified by OFAC, any coverage will be considered a blocked or frozen contract and all provisions of any coverage provided are immediately subject to OFAC. When a surety bond or other form of surety coverage is considered to be such a blocked or frozen contract, no payments nor premium refunds may be made without authorization from OFAC. Other limitations on the premiums and payments may also apply.

Any reproductions are void.

Surety Claims Submission: LexonClaimAdministration@aompo-intl.com

Telephone: 615-553-9500 Mailing Address: Sompo International; 12890 Lebanon Road; Mount Juliet, TN 37122-2870

HC DD-2020-01-01

RIDER

To be attached to and form a part of Bond No. LICX1196190

Effective: October 27, 2020

Bond Amount: \$586,964.40

Executed by: Atwater Development, LLC as Principal

and by: Lexon Insurance Company as Surety

in favor of: Hamilton County Drainage Board as Obligee

In consideration of the mutual agreements herein contained, at the request of the Principal, the Surety hereby changes the Obligee name and address to:

Hamilton County Commissioners
1 Hamilton County Square, Noblesville, IN 46060

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective: October 27, 2020

Signed and Sealed: November 18, 2020

Atwater Development, LLC

Principal:

By: [Signature] Principal

Lexon Insurance Company

Surety:

By: [Signature]
James I. Moore, Attorney-in-Fact





KNOW ALL BY THESE PRESENTS, that Endurance Assurance Corporation, a Delaware corporation, Endurance American Insurance Company, a Delaware corporation, Lexon Insurance Company, a Texas corporation, and/or Bond Safeguard Insurance Company, a South Dakota corporation, each, a "Company" and collectively, "Sompo International," do hereby constitute and appoint: James I. Moore, Stephen T. Kazmor, Dawn L. Morgan, Kelly A. Gardner, Jennifer J. McComb, Melissa Schmidt, Tarlese M. Pisciotto, Diane Rubright, Amy Wickett, Martin Moss as true and lawful Attorney(s)-In-Fact to make, execute, seal, and deliver for, and on its behalf as surety or co-surety; bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking so made, executed and delivered shall obligate the Company for any portion of the penal sum thereof in excess of the sum of FIFTEEN MILLION Dollars (\$15,000,000.00).

Such bonds and undertakings for said purposes, when duly executed by said attorney(s)-in-fact, shall be binding upon the Company as fully and to the same extent as if signed by the President of the Company under its corporate seal attested by its Corporate Secretary.

This appointment is made under and by authority of certain resolutions adopted by the sole shareholder of each Company by unanimous written consent effective the 15th day of June, 2019, a copy of which appears below under the heading entitled "Certificate".

This Power of Attorney is signed and sealed by facsimile under and by authority of the following resolution adopted by the sole shareholder of each Company by unanimous written consent effective the 15th day of June, 2019 and said resolution has not since been revoked, amended or repealed:

RESOLVED, that the signature of an individual named above and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signature or seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, each Company has caused this instrument to be signed by the following officers, and its corporate seal to be affixed this 15th day of June, 2019.

Endurance Assurance Corporation.
By: *Richard M Appel*
Richard Appel; SVP & Senior Counsel

Endurance American Insurance Company
By: *Richard M Appel*
Richard Appel; SVP & Senior Counsel

Lexon Insurance Company
By: *Richard M Appel*
Richard Appel; SVP & Senior Counsel

Bond Safeguard Insurance Company
By: *Richard M Appel*
Richard Appel; SVP & Senior Counsel



ACKNOWLEDGEMENT

On this 15th day of June, 2019, before me, personally came the above signatories known to me, who being duly sworn, did depose and say that he/she is an officer of each of the Companies; and that he executed said instrument on behalf of each Company by authority of his office under the by-laws of each Company.

By: *Amy Taylor*
Amy Taylor, Notary Public - My Commission Expires 5/9/23



CERTIFICATE

I, the undersigned Officer of each Company, DO HEREBY CERTIFY that:

1. That the original power of attorney of which the foregoing is a copy was duly executed on behalf of each Company and has not since been revoked, amended or modified; that the undersigned has compared the foregoing copy thereof with the original power of attorney, and that the same is a true and correct copy of the original power of attorney and of the whole thereof;
2. The following are resolutions which were adopted by the sole shareholder of each Company by unanimous written consent effective June 15, 2019 and said resolutions have not since been revoked, amended or modified:

*RESOLVED, that each of the individuals named below is authorized to make, execute, seal and deliver for and on behalf of the Company any and all bonds, undertakings or obligations in surety or co-surety with others: RICHARD M. APPEL, BRIAN J. BEGGS, CHRISTOPHER DONELAN, SHARON L. SIMS, CHRISTOPHER L. SPARRO, MARIANNE L. WILBERT

; and be it further

RESOLVED, that each of the individuals named above is authorized to appoint attorneys-in-fact for the purpose of making, executing, sealing and delivering bonds, undertakings or obligations in surety or co-surety for and on behalf of the Company."

3. The undersigned further certifies that the above resolutions are true and correct copies of the resolutions as so recorded and of the whole thereof.
- IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal this 18th day of November, 20 20.

By: *Daniel S. Larie*
Daniel S. Larie, Secretary

NOTICE: U. S. TREASURY DEPARTMENT'S OFFICE OF FOREIGN ASSETS CONTROL (OFAC)

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Any reproductions are void.

Surety Claims Submission: LexonClaimAdministration@sompo-intl.com

Telephone: 616-553-9500 Mailing Address: Sompo International; 12890 Lebanon Road; Mount Juliet, TN 37122-2070

SUBDIVISION BOND

Bond No.: LICX1196191

Principal Amount: \$84,689.00

KNOW ALL MEN BY THESE PRESENTS, that we

Atwater Development, LLC
8051 Wicker Ave., Ste. A, St. John, IN 46373

as Principal, and

Lexon Insurance Company
12890 Lebanon Road, Mt. Juliet, TN 37122 a TX

Corporation, as Surety, are held and firmly bound unto

Hamilton County Drainage Board,
1 Hamilton County Square, Suite 188 Noblesville, IN 46060

as Obligee, in the penal sum of

Eighty Four Thousand Six Hundred Eighty Nine Dollars and 00/100

(Dollars) (\$ 84,689.00), 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, Atwater Development, LLC has agreed to construct in
Atwater - Section 1 Subdivision, in Noblesville, IN the following
improvements:

Erosion Control

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 27th day of October, 2020

Atwater Development, LLC
Principal

By: [Signature]

Lexon Insurance Company
Surety

By: [Signature]
James I. Moore Attorney-in-Fact





POWER OF ATTORNEY

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as true and lawful Attorney(s)-In-Fact to make, execute, seal, and deliver for, and on its behalf as surety or co-surety; bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking so made, executed and delivered shall obligate the Company for any portion of the penal sum thereof in excess of the sum of Five Million Dollars (\$5,000,000.00).

Surety Bond No.: LICX1196191
Principal: Atwater Development, LLC
Obligee: Hamilton County Drainage Board

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This appointment is made under and by authority of certain resolutions adopted by the sole shareholder of each Company by unanimous written consent effective the 15th day of June, 2019, a copy of which appears below under the heading entitled "Certificate".

This Power of Attorney is signed and sealed by facsimile under and by authority of the following resolution adopted by the sole shareholder of each Company by unanimous written consent effective the 15th day of June, 2019 and said resolution has not since been revoked, amended or repealed:

RESOLVED, that the signature of an individual named above and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signature or seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, each Company has caused this instrument to be signed by the following officers, and its corporate seal to be affixed this 15th day of June, 2019.

Endurance Assurance Corporation
By: *Richard M. Appel*
Richard Appel; SVP & Senior Counsel

Endurance American Insurance Company
By: *Richard M. Appel*
Richard Appel; SVP & Senior Counsel

Lexon Insurance Company
By: *Richard M. Appel*
Richard Appel; SVP & Senior Counsel

Bond Safeguard Insurance Company
By: *Richard M. Appel*
Richard Appel; SVP & Senior Counsel



ACKNOWLEDGEMENT

On this 15th day of June, 2019, before me, personally came the above signatories known to me, who being duly sworn, did depose and say that he/she is an officer of each of the Companies; and that he executed said instrument on behalf of each Company by authority of his office under the by-laws of each Company.

By: *Amy Taylor*
Amy Taylor, Notary Public - My Commission Expires 5/9/23



CERTIFICATE

I, the undersigned Officer of each Company, DO HEREBY CERTIFY that:

1. That the original power of attorney of which the foregoing is a copy was duly executed on behalf of each Company and has not since been revoked, amended or modified; that the undersigned has compared the foregoing copy thereof with the original power of attorney, and that the same is a true and correct copy of the original power of attorney and of the whole thereof;
2. The following are resolutions which were adopted by the sole shareholder of each Company by unanimous written consent effective June 15, 2019 and said resolutions have not since been revoked; amended or modified:

"RESOLVED, that each of the individuals named below is authorized to make, execute, seal and deliver for and on behalf of the Company any and all bonds, undertakings or obligations in surety or co-surety with others: RICHARD M. APPEL, BRIAN J. BEGGS, CHRISTOPHER DONELAN, SHARON L. SIMS, CHRISTOPHER L. SPARRO, MARIANNE L. WILBERT

; and be it further

RESOLVED, that each of the individuals named above is authorized to appoint attorneys-in-fact for the purpose of making, executing, sealing and delivering bonds, undertakings or obligations in surety or co-surety for and on behalf of the Company."

3. The undersigned further certifies that the above resolutions are true and correct copies of the resolutions as so recorded and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal this 27th day of October, 2020.

By: *Daniel S. Lurie*
Daniel S. Lurie, Secretary

NOTICE: U. S. TREASURY DEPARTMENT'S OFFICE OF FOREIGN ASSETS CONTROL (OFAC)

No coverage is provided by this Notice nor can it be construed to replace any provisions of any surety bond or other surety coverage provided. This Notice provides information concerning possible impact on your surety coverage due to directives issued by OFAC. Please read this Notice carefully.

The Office of Foreign Assets Control (OFAC) administers and enforces sanctions policy, based on Presidential declarations of "national emergency". OFAC has identified and listed numerous foreign agents, front organizations, terrorists, terrorist organizations, and narcotics traffickers as "Specially Designated Nationals and Blocked Persons". This list can be located on the United States Treasury's website - <https://www.treasury.gov/resource-center/sanctions/SDN-List>.

In accordance with OFAC regulations, if it is determined that you or any other person or entity claiming the benefits of any coverage has violated U.S. sanctions law or is a Specially Designated National and Blocked Person, as identified by OFAC, any coverage will be considered a blocked or frozen contract and all provisions of any coverage provided are immediately subject to OFAC. When a surety bond or other form of surety coverage is considered to be such a blocked or frozen contract, no payments nor premium refunds may be made without authorization from OFAC. Other limitations on the premiums and payments may also apply.

Any reproductions are void.

Surety Claims Submission: LexonClaimAdministration@sompo-intl.com

Telephone: 615-553-9500 Mailing Address: Sompo International; 12890 Lebanon Road; Mount Juliet, TN 37122-2870

RIDER

To be attached to and form a part of Bond No. LICX1196191

Effective: October 27, 2020

Bond Amount: \$84,689.00

Executed by: Atwater Development, LLC as Principal

and by: Lexon Insurance Company as Surety

in favor of: Hamilton County Drainage Board as Obligee

In consideration of the mutual agreements herein contained, at the request of the Principal, the Surety hereby changes the Obligee name and address to:

Hamilton County Commissioners
1 Hamilton County Square, Noblesville, IN 46060

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective: October 27, 2020

Signed and Sealed: November 18, 2020

Atwater Development, LLC

Principal:

By: [Signature] Principal

Lexon Insurance Company

Surety:

By: [Signature]
James I. Moore, Attorney-in-Fact





KNOW ALL BY THESE PRESENTS, that Endurance Assurance Corporation, a Delaware corporation, Endurance American Insurance Company, a Delaware corporation, Lexion Insurance Company, a Texas corporation, and/or Bond Safeguard Insurance Company, a South Dakota corporation, each, a "Company" and collectively, "Sompo International," do hereby constitute and appoint: James I. Moore, Stephen T. Kazmer, Dawn L. Morgan, Kelly A. Gardner, Jennifer J. McComb, Melissa Schmidt, Tarlese M. Pisciotto, Diane Rubright, Amy Wickett, Martin Moss as true and lawful Attorney(s)-in-Fact to make, execute, seal, and deliver for, and on its behalf as surety or co-surety; bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking so made, executed and delivered shall obligate the Company for any portion of the penal sum thereof in excess of the sum of FIFTEEN MILLION Dollars (\$15,000,000.00).

Such bonds and undertakings for said purposes, when duly executed by said attorney(s)-in-fact, shall be binding upon the Company as fully and to the same extent as if signed by the President of the Company under its corporate seal attested by its Corporate Secretary.

This appointment is made under and by authority of certain resolutions adopted by the sole shareholder of each Company by unanimous written consent effective the 15th day of June, 2019, a copy of which appears below under the heading entitled "Certificate".

This Power of Attorney is signed and sealed by facsimile under and by authority of the following resolution adopted by the sole shareholder of each Company by unanimous written consent effective the 15th day of June, 2019 and said resolution has not since been revoked, amended or repealed:

RESOLVED, that the signature of an individual named above and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signature or seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

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By: Richard Appel, SVP & Senior Counsel



Endurance American Insurance Company
By: Richard Appel, SVP & Senior Counsel



Lexion Insurance Company
By: Richard Appel, SVP & Senior Counsel



Bond Safeguard Insurance Company
By: Richard Appel, SVP & Senior Counsel



ACKNOWLEDGEMENT

On this 15th day of June, 2019, before me, personally came the above signatories known to me, who being duly sworn, did depose and say that he/she is an officer of each of the Companies; and that he executed said instrument on behalf of each Company by authority of his office under the by-laws of each Company.

By: Amy Taylor, Notary Public - My Commission Expires 5/9/23



CERTIFICATE

I, the undersigned Officer of each Company, DO HEREBY CERTIFY that:

- 1. That the original power of attorney of which the foregoing is a copy was duly executed on behalf of each Company and has not since been revoked, amended or modified; that the undersigned has compared the foregoing copy thereof with the original power of attorney, and that the same is a true and correct copy of the original power of attorney and of the whole thereof;
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; and be it further

RESOLVED, that each of the individuals named above is authorized to appoint attorneys-in-fact for the purpose of making, executing, sealing and delivering bonds, undertakings or obligations in surety or co-surety for and on behalf of the Company."

- 3. The undersigned further certifies that the above resolutions are true and correct copies of the resolutions as so recorded and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal this 18th day of November, 2020.

By: Daniel S. Lurie, Secretary

NOTICE: U. S. TREASURY DEPARTMENT'S OFFICE OF FOREIGN ASSETS CONTROL (OFAC)

No coverage is provided by this Notice nor can it be construed to replace any provisions of any surety bond or other surety coverage provided. This Notice provides information concerning possible impact on your surety coverage due to directives issued by OFAC. Please read this Notice carefully.

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Any reproductions are void.

Surety Claims Submission: LexionClaimsAdministration@sompo-intl.com

Telephone: 615-553-9500 Mailing Address: Sompo International; 12090 Lebanon Road; Mount Juliet, TN 37122-2070

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

***Little Eagle Creek Drain,
George Coverdale Arm, Atwater***

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board concerning the reconstruction of the **Little Eagle Creek Drain, George Coverdale Arm, Atwater** on **September 27, 2021** at **9:00 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana. Construction and maintenance reports of the Surveyor and the Schedule of Assessments proposed 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

STATE OF INDIANA)
) SS BEFORE THE HAMILTON
)
COUNTY OF HAMILTON) DRAINAGE BOARD

IN THE MATTER OF **Little Eagle Creek Drain, George Coverdale
Arm, Atwater**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **September 27, 2021** adopted the reconstruction report of the Surveyor and the Amended Schedule of damages and assessments including annual assessment for periodic maintenance, finding that the costs, damages and expense of the proposed improvement would be less than the benefits which will result to the owner of lands benefited thereby.

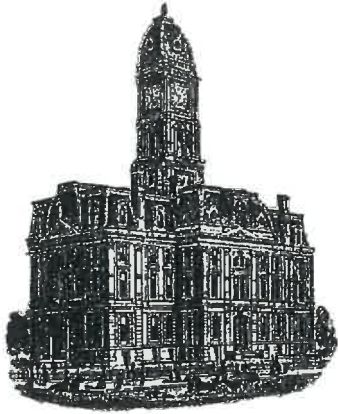
The Board issued an order declaring the proposed improvement established. Such findings and order were marked filed and are available for inspection in the Office of the Hamilton County Surveyor.

If judicial review of the findings and order of the Board is not requested pursuant to Article VIII of the 1965 Indiana Drainage Code as amended within twenty (20) days from the date of publication of this notice, the findings and order shall become conclusive.

HAMILTON COUNTY DRAINAGE BOARD

BY: Steven C. Dillinger
PRESIDENT

ATTEST: Lynette Mosbaugh
SECRETARY



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

August 10, 2022

Re: Little Eagle Creek: George Coverdale Drain – Atwater Relocation

Attached are as built, and other information for Atwater 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 August 9, 2021. The report was approved by the Board at the hearing held September 27, 2021. (See Drainage Board Minutes Book 20, Pages 165-168) The changes are as follows: the 42" RCP was shortened from 19 feet to 15 feet. The length of the drain due to the changes described above is now **860 feet**. The original 14" tile was removed from Station 13+14 to 14+09 and Station 19+76 to Station 30+00.

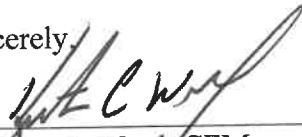
The non-enforcement was approved by the Board at its meeting on September 27, 2021 and recorded under instrument #2022015010.

The following sureties were guaranteed by Lexon Insurance Co. and released by the Board on its August 22, 2022, meeting.

Bond-LC: LICX1196190
Amount: \$586,964.40
For: Storm Sewers & SSD
Issue Date: October 27, 2020

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

Sincerely,

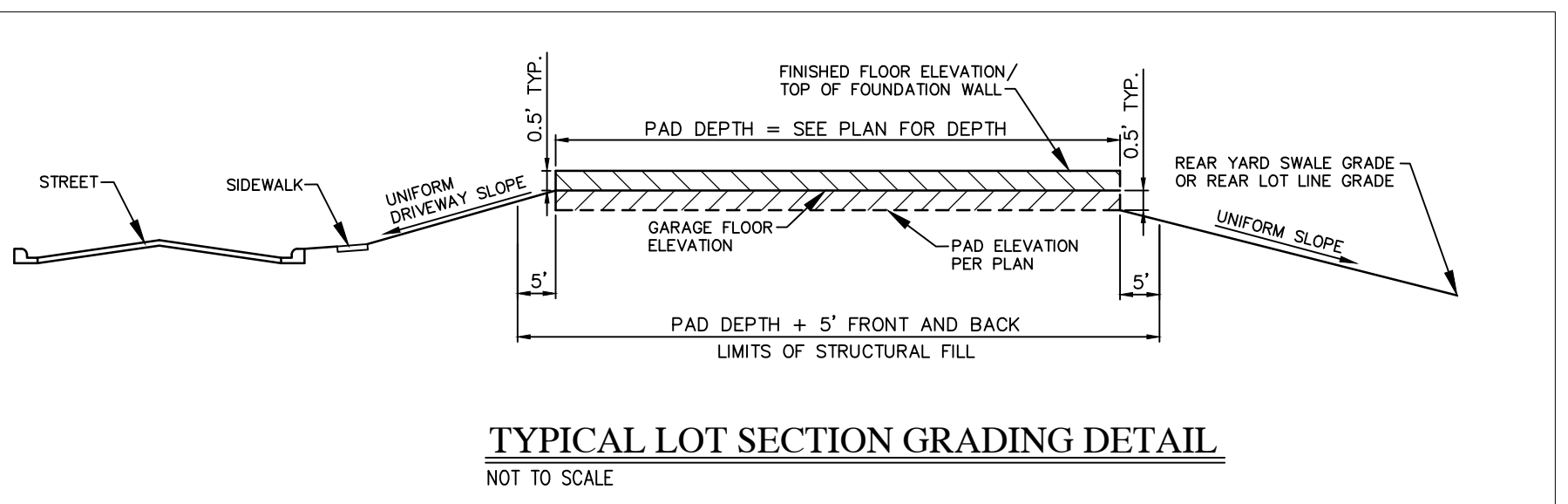
A handwritten signature in black ink, appearing to read 'Kenton C. Ward', written over a horizontal line.

Kenton C. Ward, CFM
Hamilton County Surveyor

OVERALL GENERAL PROJECT NOTES

- NOT ALL GAS, POWER, OR TELEPHONE LINES, WHETHER ABOVE OR BELOW GROUND, HAVE BEEN SHOWN ON THE DRAWINGS. ANY UNDERGROUND INFORMATION SHOWN ON THE DRAWINGS HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONTRACTOR'S BENEFIT. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR PROTECTING ALL UTILITIES IN HIS WORK AREA WHETHER SHOWN OR NOT, AND MUST REALIZE THAT THE ACTUAL LOCATION OF THE UTILITIES MAY BE DIFFERENT FROM THAT SHOWN ON THE DRAWINGS. ALL EXISTING UTILITIES ENCOUNTERED IN THE WORK, WHETHER IN PUBLIC RIGHTS OF WAY OR ON PRIVATE PROPERTY, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN IN SERVICE ANY UTILITIES WHICH CAN BE REMOVED DURING CONSTRUCTION WITHOUT UNDUE INTERRUPTION TO SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE UTILITY. IF MINOR CONFLICTS ARISE, THE CONTRACTOR MAY SHIFT THE PROPOSED LOCATION OF THE INSTALLATION OF THE WORK. BEFORE WORKING WITH OR AROUND UTILITIES, THE APPLICABLE UTILITY COMPANY SHALL BE NOTIFIED BY THE CONTRACTOR.
- SAFETY PROVISIONS FOR THE WORK SHALL BE IN FULL COMPLIANCE WITH ALL APPLICABLE RULES AND REGULATIONS OF THE INDIANA OSHA AND ANY OTHER LOCAL STATE OR FEDERAL AGENCY HAVING JURISDICTION, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. CONTRACTOR SHALL AT MINIMUM, PROVIDE TRAFFIC CONTROL AS REQUIRED TO SAFELY PROTECT THE GENERAL PUBLIC. THE CONTRACTOR'S WORK FORCES AND THE WORK, TRAFFIC CONTROL SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND THE INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, STANDARD DETAILS AND GENERAL INSTRUCTIONS TO FIELD EMPLOYEES. THE REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE OPTION OF THE OWNER AND/OR ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL BARRICADES, FENCES, WARNING SIGNS, FLASHING LIGHTS, TEMPORARY WALKWAYS, AND TRAFFIC CONTROL DURING CONSTRUCTION. CONTRACTOR TO COMPLY WITH ALL OSHA REGULATIONS, REQUIREMENTS, SAFETY MEETING REQUIREMENTS AND AGENCY REQUIREMENTS FOR TRAFFIC CONTROL AND SAFETY PRECAUTIONS. THERE WILL BE NO SEPARATE OR ADDITIONAL PAYMENT FOR THIS WORK.
- WHERE PROPERTY MARKERS, SECTION CORNERS, SURVEY MARKS OR BENCHMARKS, SUCH AS STONES, PIPES, OR OTHER SUCH MONUMENTS ARE ENCOUNTERED AND CONFLICT WITH THE WORK, THE ENGINEER SHALL BE NOTIFIED BEFORE THEY ARE DISTURBED. THE MARKERS SHALL BE PROTECTED AFTER THE OWNER, ENGINEER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR REFERENCED THEIR LOCATIONS.
- ALL MATERIALS DENOTED "SALVAGED" SHALL BE STORED AND PROTECTED AT THE SITE FOR THE OWNER TO COLLECT OR FOR THE CONTRACTOR TO RE-USE AS INDICATED.
- THERE SHALL BE NO CHANGES WITHOUT WRITTEN APPROVAL OF ENGINEER.
- ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
- CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.
- REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD TILE CROSSES PROPOSED PAVED PADS. ALL FIELD TILES INTERCEPTED TO BE PERPETUATED INTO STORM SEWER SYSTEM LATER. THE SUBCONTRACTOR SHALL NOTIFY IN WRITING THE OWNER AND THE ENGINEER IN ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS.
- CONTRACTOR SHALL STAMP THE LETTER "S" IN THE CURB PERPENDICULAR TO THE LATERAL MARKER.
- STRUCTURES RECEIVING SUB-SURFACE DRAIN (SSD) SHALL HAVE BOTH PORTS CORE DRILLED. "T" OR "Y" BLIND CONNECTIONS ARE NOT ALLOWED.
- ALL STORM SEWER CASTINGS SHALL BE LABELED "DUMP NO WASTE-DRAINING TO WATERWAY".
- STRUCTURAL FILL: SHALL BE COMPACTED TO AT LEAST 95% STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698). SHALL BE FREE OF ORGANIC MATERIAL, DEBRIS, DELETERIOUS MATERIALS AND FROZEN SOLIDS.
- THE CITY OF WESTFIELD REQUIRES THAT DEVELOPERS PROVIDE INDOT APPROVED SNOWPLOWABLE RAISED PAVEMENT MARKERS (WITH BLUE REFLECTOR LENS) ADJACENT TO FIRE HYDRANT LOCATIONS. THE MARKERS SHALL BE INSTALLED ON THE CENTERLINE OF THE ROADWAY ONCE THE PAVEMENT SURFACE HAS BEEN PLACED. THE INSTALLATION AND MATERIAL OF THE SNOWPLOWABLE RAISED PAVEMENT MARKERS SHALL COMPLY WITH SECTIONS 800 AND 900 OF THE MOST RECENT REVISION OF THE INDOT SPECIFICATIONS AND STANDARD DRAWINGS. UNDER NO CIRCUMSTANCES SHALL THE TOWN ALLOW INSTALLATION OF A REFLECTOR THAT IS ONLY ATTACHED TO THE PAVEMENT SURFACE USING ADHESIVE.
- ALL ROADS MUST BE BROUGHT BACK TO ORIGINAL OR BETTER CONDITION, INCLUDING BUT NOT LIMITED TO STRIPING, STONE SHOULDERS AND CURBS. REPAIRS (I.e. STRIPING) SHALL COINCIDE WITH THE ADJOINING ROAD.
- ALL COMMON AREA SIDEWALKS OR PATHS ARE TO BE CONSTRUCTED AS PART OF THE SITE INFRASTRUCTURE. INDIVIDUAL LOT SIDEWALKS TO BE CONSTRUCTED AT THE TIME OF HOME CONSTRUCTION.
- ANY EXISTING FIELD/ DRAINAGE TILES DISCOVERED DURING CONSTRUCTION SHALL EITHER BE ROUTED INTO THE NEAREST PROPOSED STORM SEWER STRUCTURE OR CAPPED OFF (AT THE END OF THE TILE) PER LOCAL JURISDICTIONAL STANDARDS.

- NOTE: ALL UTILITY CROSSINGS UNDER PAVEMENT SHALL BE JACK & BORED OR DIRECTIONAL DRILLED, AVOID OPEN CUTS.
- ALL STREET TREES ARE TO MATCH THE CURRENT CITY OF WESTFIELD MASTER TREE LIST.
- STREET TREES SHALL NOT BE WITHIN FOUR (4) FEET OF ANY PAVEMENT.
- THERE SHALL BE NO TREES WITHIN TEN (10) FEET OF ANY STORM SEWER INCLUDING SSD.
- THE DESIGN AND CONSTRUCTION SHALL COMPLY WITH THE CURRENT CITY OF WESTFIELD CONSTRUCTION SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT.
- THE DESIGN AND CONSTRUCTION SHALL COMPLY WITH ALL ADA REQUIREMENTS.



FOR CONTINUATION SEE SHEET C1.2

Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 50' 100' 150'
(IN FEET)

BENCHMARK INFORMATION:

ORIGINATING BENCHMARK:
HAMILTON COUNTY SURVEYOR'S OFFICE VERTICAL CONTROL BENCHMARK "LEE 12", SET IN TOP OF A CONCRETE POST, LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF CASEY ROAD AND 186TH STREET IN WESTFIELD.

PUBLISHED ELEVATION = 910.25 FEET (NAVD 88)
[NORTHING: 175,335; EASTING: 737,077] (HOGCS-HAMILTON ZONE)

TEMPORARY BENCHMARKS HAVE BEEN ESTABLISHED VIA DIFFERENTIAL LEVELING, REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). HORIZONTAL COORDINATES ARE LISTED FOR REFERENCE PURPOSES, REFERENCED TO THE INDIANA GEOSPATIAL COORDINATE SYSTEM (HOGCS "HAMILTON" ZONE).

TBM #1
MAG SPIKE AND CAP 1 FOOT ABOVE GRADE ON THE NORTH SIDE OF POWER POLE "PSI 075 273", LOCATED ALONG THE NORTH SIDE OF WEST 193RD STREET APPROXIMATELY 490 FEET WEST OF THE INTERSECTION WITH CASEY ROAD.
ELEVATION = 921.05 (NAVD88)
[NORTHING: 179,278; EASTING: 736,590] (HOGCS-HAMILTON ZONE)

TBM #3
RAILROAD SPIKE 1.5 FEET ABOVE GRADE ON THE NORTH SIDE OF POWER POLE "PSI 838 8 49", LOCATED ALONG THE SOUTH SIDE OF WEST 193RD STREET APPROXIMATELY 460 FEET EAST OF THE INTERSECTION WITH CASEY ROAD.
ELEVATION = 923.08 (NAVD88)
[NORTHING: 179,259; EASTING: 737,548] (HOGCS-HAMILTON ZONE)

TBM #9
MAG SPIKE AND CAP 1 FOOT ABOVE GRADE ON THE NORTHEAST SIDE OF POWER POLE "PSI 838 8356", LOCATED ALONG THE WEST SIDE OF SIX POINTS ROAD 1,540 FEET NORTH OF THE INTERSECTION WITH WEST 193RD ST. THE POWER POLE IS 77 FEET NORTH OF A LARGE CULVERT CROSSING UNDER SIX POINTS ROAD.
ELEVATION = 925.76 (NAVD88)
[NORTHING: 180,816; EASTING: 738,393] (HOGCS-HAMILTON ZONE)

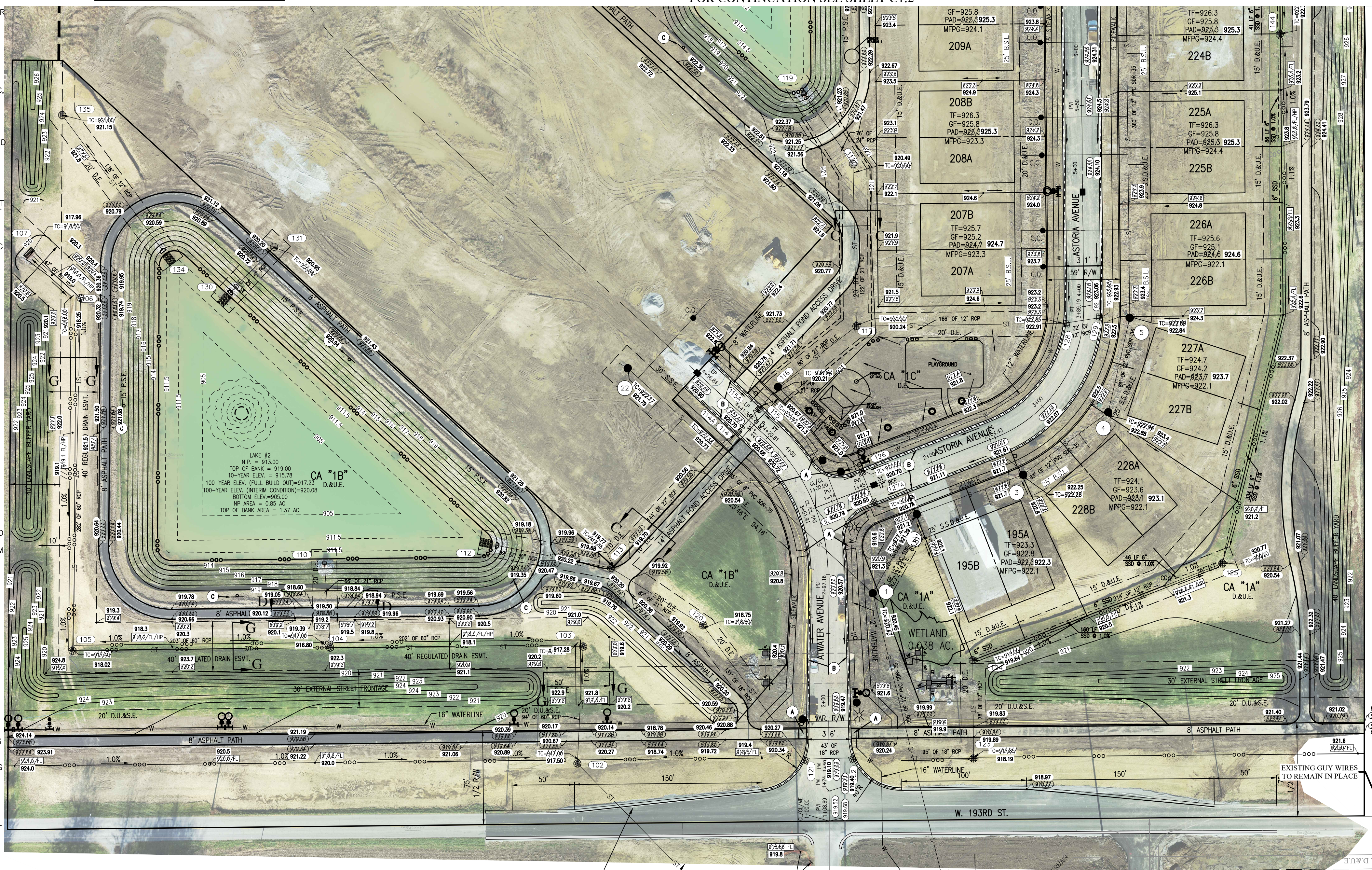
TBM #10
MAG SPIKE AND CAP 1 FOOT ABOVE GRADE IN POWER POLE "ENERGY 838 8326", LOCATED ALONG THE WEST SIDE OF SIX POINTS. THE POWER POLE IS APPROX. 940 FEET SOUTH OF THE DRIVEWAY FOR ADDRESS 20248 SIX POINTS ROAD.
ELEVATION = 931.22 (NAVD88)
[NORTHING: 182,648; EASTING: 738,385] (HOGCS-HAMILTON ZONE)

REVISIONS

DATE	DESCRIPTION	BY
02/25/20	REVISED PER COMMENTS	HM
03/16/20	REVISED TF GRADES	HM
11/25/20	REVISED STORM OUTLET STR. #103-844	KS
11/30/20	REVISED STORM OUTLET STR. #101-844	KS
12/7/20	REVISED STORM OUTLET STR. #102-845	KS
12/14/20	REVISED STORM OUTLET STR. #100-8100	KS
12/20/21	RECORD DRAWINGS	TW

HWC ENGINEERING
INDIANAPOLIS - TERRE HAUTE
LAFAYETTE - MUNCEE - NEW ALBANY
www.hwengineering.com

**ATWATER SECTION 1
CITY OF WESTFIELD, INDIANA
DEVELOPMENT PLAN**



LEGEND:

EXISTING	RIGHT-OF-WAY LINE	PROPOSED
---	EASEMENT LINE	---
---	SETBACK LINE	---
---	CENTERLINE	---
---	SWALE / FLOWLINE	---
---	SUBSURFACE DRAIN	---
---	SANITARY SEWER	S
---	STORM SEWER	ST
---	STORM CULVERT	ST
---	WATER MAIN	W
---	CONTOUR, MAJOR	800
---	CONTOUR, MINOR	799
---	FENCE	---
---	TREE LINE	---
---	OFFSITE GRADING AREA	---
---	SANITARY MANHOLE	---
---	STORM MANHOLE	---
---	STORM INLET	---
---	STORM END SECTION	---
---	FIRE HYDRANT	---
---	CLEAN-OUT	---
---	FLOW ARROW	---
---	SPOT ELEVATION	XXXX
---	PAVEMENT ELEVATION	XXXX
---	ADA HANDICAP RAMP	---
---	2' ROLL CURB	---
---	POND SIGNAGE	---
---	STREET LIGHT	---
---	INDOT APPROVED SNOWPLOWABLE RAISED PAVEMENT MARKERS	---
---	FOUNTAIN	---

ABBREVIATIONS:

BC	- BACK OF CURB	PT	- POINT OF TANGENCY
CL	- CENTERLINE	PVC	- POLYVINYL CHLORIDE PIPE
FG	- FINISHED GRADE	RCP	- REINFORCED CONCRETE PIPE
FL	- FLOW LINE	HP	- HIGH PERFORMANCE PIPE
HP	- HIGH POINT	R/W	- RIGHT-OF-WAY
INV	- INVERT ELEVATION	TB	- TOP OF BANK GRADE
LP	- LOW POINT	TC	- TOP OF CASTING GRADE
ME	- MATCH EXISTING GRADE	PAD	- PAD GRADE
NP	- NORMAL POOL (ELEVATION)	MFG	- MINIMUM FLOOD PROTECTION GRADE
PC	- POINT OF CURVATURE	TF	- TOP OF FOUNDATION
GC	- GARAGE FLOOR	P.S.E.	- PERPETUAL STORM WATER EASEMENT

CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *LUKE A. JAHN*

LUKE A. JAHN
REGISTERED PROFESSIONAL SURVEYOR
No. 20900171
STATE OF INDIANA

HWC ENGINEERING
135 N. PENNSYLVANIA STREET, SUITE 2800
INDIANAPOLIS, INDIANA 46204
(317) 347-3663 FAX (317) 347-3664

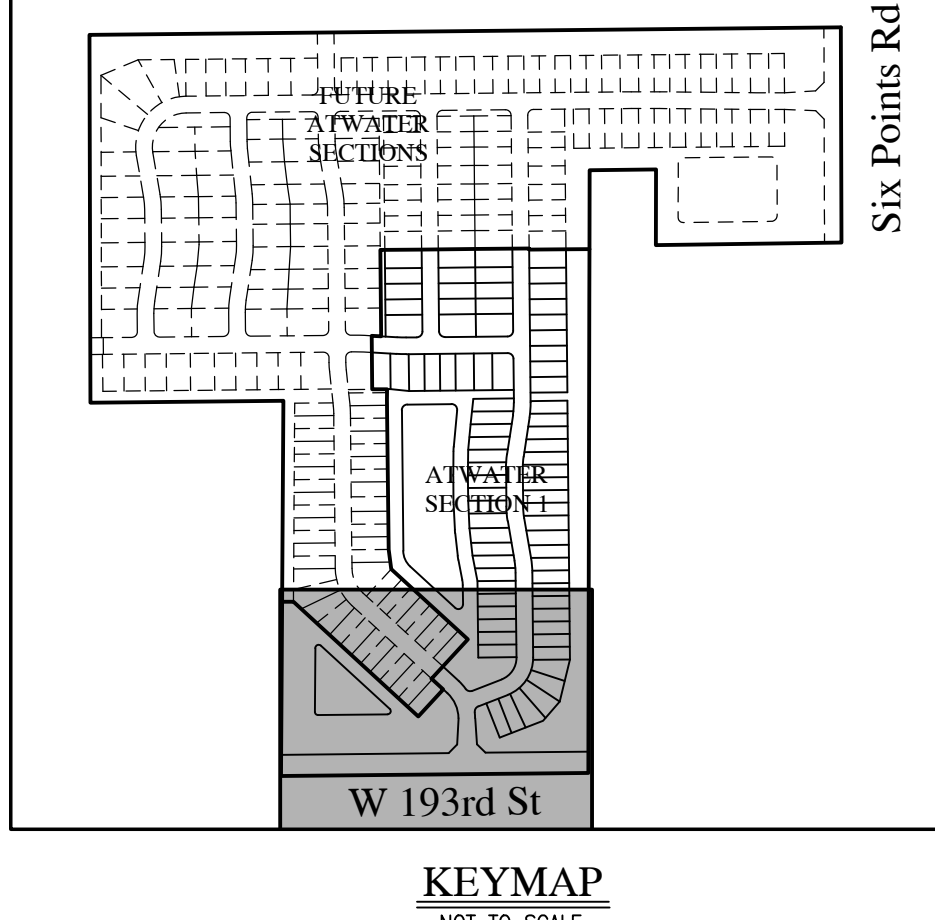
NOTE:
Record drawing certification only for storm sewer, sanitary sewer, sub-surface drainage, and grading.

DATE: 1/5/2022

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: 2022

Entered By: SLM



INDIANAPOLIS - TERRE HAUTE
LAFAYETTE - MUNCEE - NEW ALBANY
www.hwengineering.com

REGISTERED PROFESSIONAL SURVEYOR
No. 20900171
STATE OF INDIANA

INDOT APPROVED SNOWPLOWABLE RAISED PAVEMENT MARKERS

C1.1
DEVELOPMENT PLAN

DRAWN BY: TD/KS/MEC
CHECKED BY: HM
DATE: JANUARY 3, 2020
SCALE: AS SHOWN
SHEET

JOB NUMBER: 2019-157-A

NOTE: ALL UTILITY CROSSINGS UNDER PAVEMENT SHALL BE JACK & BORED OR DIRECTIONAL DRILLED, AVOID OPEN CUTS.

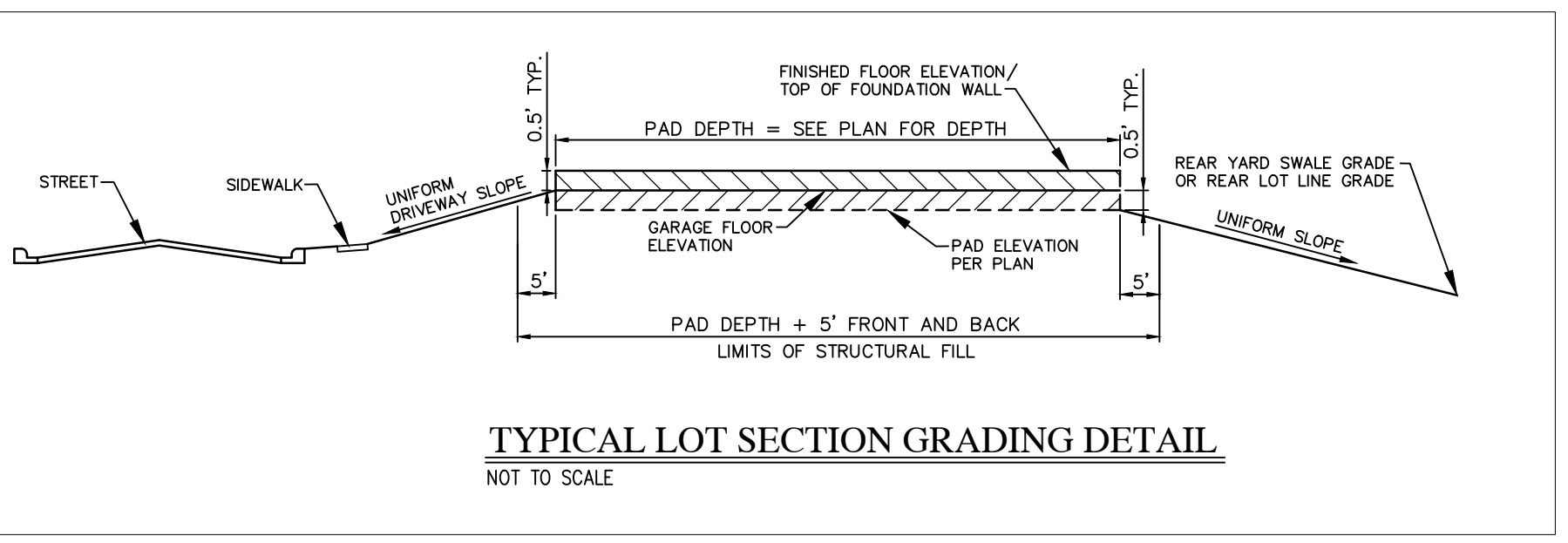
ALL STREET TREES ARE TO MATCH THE CURRENT CITY OF WESTFIELD MASTER TREE LIST.

STREET TREES SHALL NOT BE WITHIN FOUR (4) FEET OF ANY PAVEMENT.

THERE SHALL BE NO TREES WITHIN TEN (10) FEET OF ANY STORM SEWER INCLUDING SSD.

THE DESIGN AND CONSTRUCTION SHALL COMPLY WITH THE CURRENT CITY OF WESTFIELD CONSTRUCTION SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT.

THE DESIGN AND CONSTRUCTION SHALL COMPLY WITH ALL ADA REQUIREMENTS.



GRAPHIC SCALE
0' 50' 100' 150'
(IN FEET)

BENCHMARK INFORMATION:

ORIGINATING BENCHMARK:
HAMILTON COUNTY SURVEYOR'S OFFICE VERTICAL CONTROL BENCHMARK "LEE 12", SET IN TOP OF A CONCRETE POST, LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF CASEY ROAD AND 186TH STREET IN WESTFIELD.

PUBLISHED ELEVATION = 910.25 FEET (NAVD 88)
[NORTHINGS: 179,335; EASTINGS: 737,077] (HCGS-HAMILTON ZONE)

TEMPORARY BENCHMARKS HAVE BEEN ESTABLISHED VIA DIFFERENTIAL LEVELING, REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). HORIZONTAL COORDINATES ARE LISTED FOR REFERENCE PURPOSES, REFERENCED TO THE INDIANA GEOSPATIAL COORDINATE SYSTEM (HCGS) "HAMILTON" ZONE.

BM #2
MAG SPIKE AND CAP 1 FOOT ABOVE GRADE ON THE NORTH SIDE OF POWER POLE "PSI 075 273", LOCATED ALONG THE NORTH SIDE OF WEST 193RD STREET APPROXIMATELY 490 FEET WEST OF THE INTERSECTION WITH CASEY ROAD.
ELEVATION = 921.05 (NAVD88)
[NORTHINGS: 179,278; EASTINGS: 736,590] (HCGS-HAMILTON ZONE)

BM #3
RAILROAD SPIKE 1.5 FEET ABOVE GRADE ON THE NORTH SIDE OF POWER POLE "PSI 838 8 49", LOCATED ALONG THE SOUTH SIDE OF WEST 193RD STREET APPROXIMATELY 460 FEET EAST OF THE INTERSECTION WITH CASEY ROAD.
ELEVATION = 923.08 (NAVD88)
[NORTHINGS: 179,259; EASTINGS: 737,548] (HCGS-HAMILTON ZONE)

BM #9
MAG SPIKE AND CAP 1 FOOT ABOVE GRADE ON THE NORTHEAST SIDE OF POWER POLE "PSI 838 8356", LOCATED ALONG THE WEST SIDE OF SIX POINTS ROAD 1,540 FEET NORTH OF THE INTERSECTION WITH WEST 193RD ST. THE POWER POLE IS 77 FEET NORTH OF A LARGE CULVERT CROSSING UNDER SIX POINTS ROAD.
ELEVATION = 923.26 (NAVD88)
[NORTHINGS: 182,816; EASTINGS: 738,393] (HCGS-HAMILTON ZONE)

BM #10
MAG SPIKE AND CAP 1 FOOT ABOVE GRADE IN POWER POLE "ONERGY 838 8326", LOCATED ALONG THE WEST SIDE OF SIX POINTS. THE POWER POLE IS APPROX. 940 FEET SOUTH OF THE DRIVEWAY FOR ADDRESS 20248 SIX POINTS ROAD.
ELEVATION = 931.22 (NAVD88)
[NORTHINGS: 182,848; EASTINGS: 738,385] (HCGS-HAMILTON ZONE)

REVISIONS		
DATE	DESCRIPTION	BY
02/25/20	REVISED PER COMMENTS	HM
03/16/20	REVISED TF GRADES	HM
12/20/21	RECORD DRAWINGS	TW

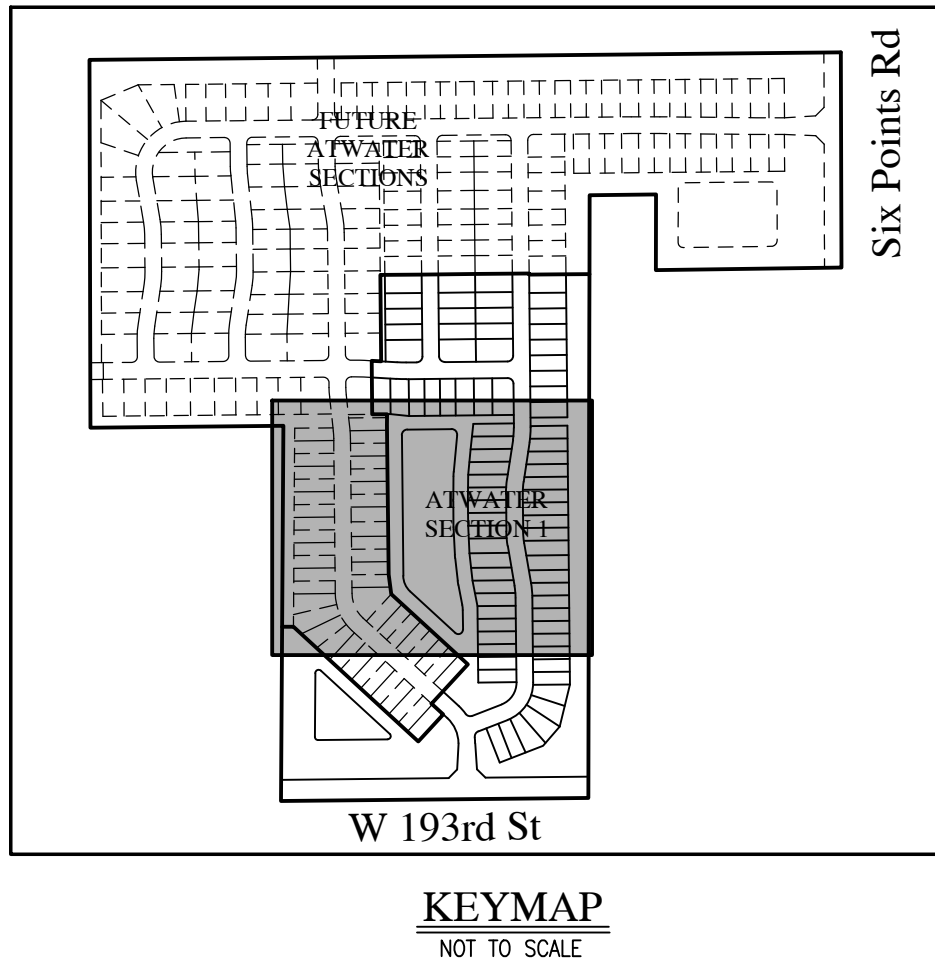
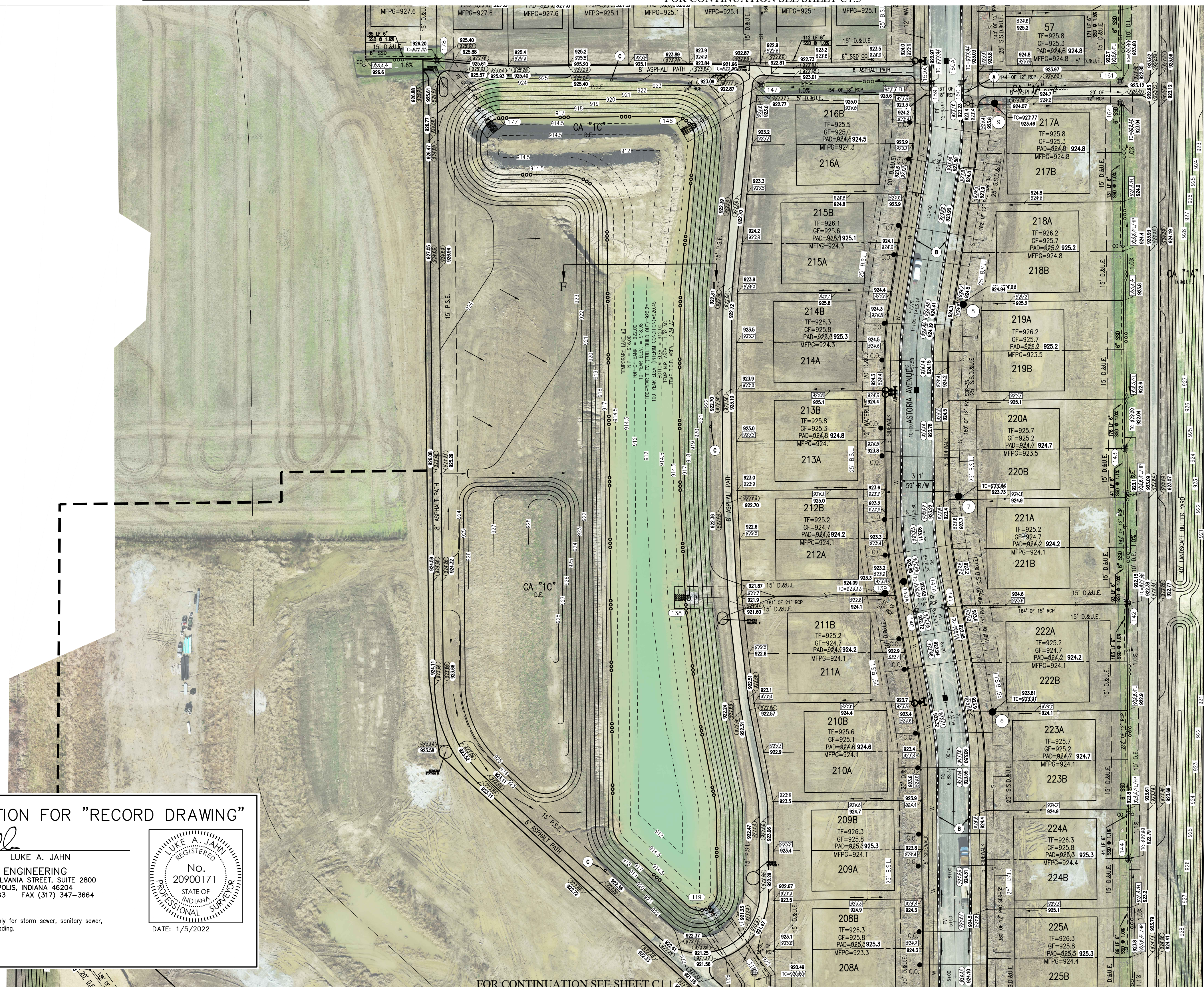
**ATWATER SECTION 1
CITY OF WESTFIELD, INDIANA
DEVELOPMENT PLAN**

LEGEND:

	RIGHT-OF-WAY LINE		EASEMENT LINE
	SETBACK LINE		CENTERLINE
	SWALE / FLOWLINE		SUBSURFACE DRAIN
	SANITARY SEWER		STORM SEWER
	STORM CULVERT		WATER MAIN
	CONTOUR, MAJOR		CONTOUR, MINOR
	FENCE		TREE LINE
	OFFSITE GRADING AREA		SANITARY MANHOLE
	STORM MANHOLE		STORM INLET
	STORM END SECTION		FIRE HYDRANT
	CLEAN-OUT		FLOW ARROW
	SPOT ELEVATION		PAVEMENT ELEVATION
	A.D.A. HANDICAP RAMP		2' ROLL CURB
	POND SIGNAGE		STREET LIGHT
	DOT APPROVED SNOWPLOWABLE		RAISED PAVEMENT MARKERS
	FOUNTAIN		

ABBREVIATIONS:

BC - BACK OF CURB	PT - POINT OF TANGENCY
CL - CENTERLINE	PVC - POLYVINYL CHLORIDE PIPE
FG - FINISHED GRADE	RCP - REINFORCED CONCRETE PIPE
FL - FLOW LINE	HP - HIGH PERFORMANCE PIPE
HP - HIGH POINT	R/W - RIGHT-OF-WAY
INV - INVERT ELEVATION	TB - TOP OF BANK GRADE
LP - LOW POINT	TC - TOP OF CASTING GRADE
ME - MATCH EXISTING GRADE	PAD - PAD GRADE
NP - NORMAL POOL (ELEVATION)	MFGP - MINIMUM FLOOD PROTECTION GRADE
PC - POINT OF CURVATURE	TF - TOP OF FOUNDATION
GF - GARAGE FLOOR	P.S.E. - PERPETUAL STORM WATER EASEMENT



CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *LUKE A. JAHN*

LUKE A. JAHN
REGISTERED PROFESSIONAL SURVEYOR
No. 20900171
STATE OF INDIANA

HWC ENGINEERING
135 N. PENNSYLVANIA STREET, SUITE 2800
INDIANAPOLIS, INDIANA 46204
(317) 347-3663 FAX (317) 347-3664

NOTE:
Record drawing certification only for storm sewer, sanitary sewer, sub-surface drainage, and grading.

DATE: 1/5/2022

REGISTERED PROFESSIONAL SURVEYOR
LUKE A. JAHN
STATE OF INDIANA

DRAWN BY: TD/KS/MEC
CHECKED BY: HM
DATE: JANUARY 3, 2020
SCALE: AS SHOWN
SHEET

JOB NUMBER: 2019-157-A

C1.2
DEVELOPMENT PLAN

© 2020

BENCHMARK INFORMATION:

ORIGINATING BENCHMARK:
HAMILTON COUNTY SURVEYOR'S OFFICE VERTICAL CONTROL BENCHMARK "LEE 12", SET IN TOP OF A CONCRETE POST, LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF CASEY ROAD AND 186TH STREET IN WESTFIELD.

PUBLISHED ELEVATION = 910.25 FEET (NAVD 88)
[NORTHING: 175,335; EASTING: 737,077] (INGCS-HAMILTON ZONE)

TEMPORARY BENCHMARKS HAVE BEEN ESTABLISHED VIA DIFFERENTIAL LEVELING, REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). HORIZONTAL COORDINATES ARE LISTED FOR REFERENCE PURPOSES, REFERENCED TO THE INDIANA GEOSPATIAL COORDINATE SYSTEM (INGCS) "HAMILTON" ZONE.

TBM #2
MAG SPIKE AND CAP 1 FOOT ABOVE GRADE ON THE NORTH SIDE OF POWER POLE "PSI 838 8 273", LOCATED ALONG THE NORTH SIDE OF WEST 193RD STREET APPROXIMATELY 480 FEET WEST OF THE INTERSECTION WITH CASEY ROAD.
ELEVATION = 921.05 (NAVD88)
[NORTHING: 179,278; EASTING: 736,590] (INGCS-HAMILTON ZONE)

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RAILROAD SPIKE 1.5 FEET ABOVE GRADE ON THE NORTH SIDE OF POWER POLE "PSI 838 8 49", LOCATED ALONG THE SOUTH SIDE OF WEST 193RD STREET APPROXIMATELY 460 FEET WEST OF THE INTERSECTION WITH CASEY ROAD.
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[NORTHING: 179,259; EASTING: 737,548] (INGCS-HAMILTON ZONE)

TBM #9
MAG SPIKE AND CAP 1 FOOT ABOVE GRADE ON THE NORTHEAST SIDE OF POWER POLE "PSI 838 8336", LOCATED ALONG THE WEST SIDE OF SIX POINTS ROAD 1,540 FEET NORTH OF THE INTERSECTION WITH WEST 193RD ST. THE POWER POLE IS 77 FEET NORTH OF A LARGE CULVERT CROSSING UNDER SIX POINTS ROAD.
ELEVATION = 925.26 (NAVD88)
[NORTHING: 180,818; EASTING: 738,393] (INGCS-HAMILTON ZONE)

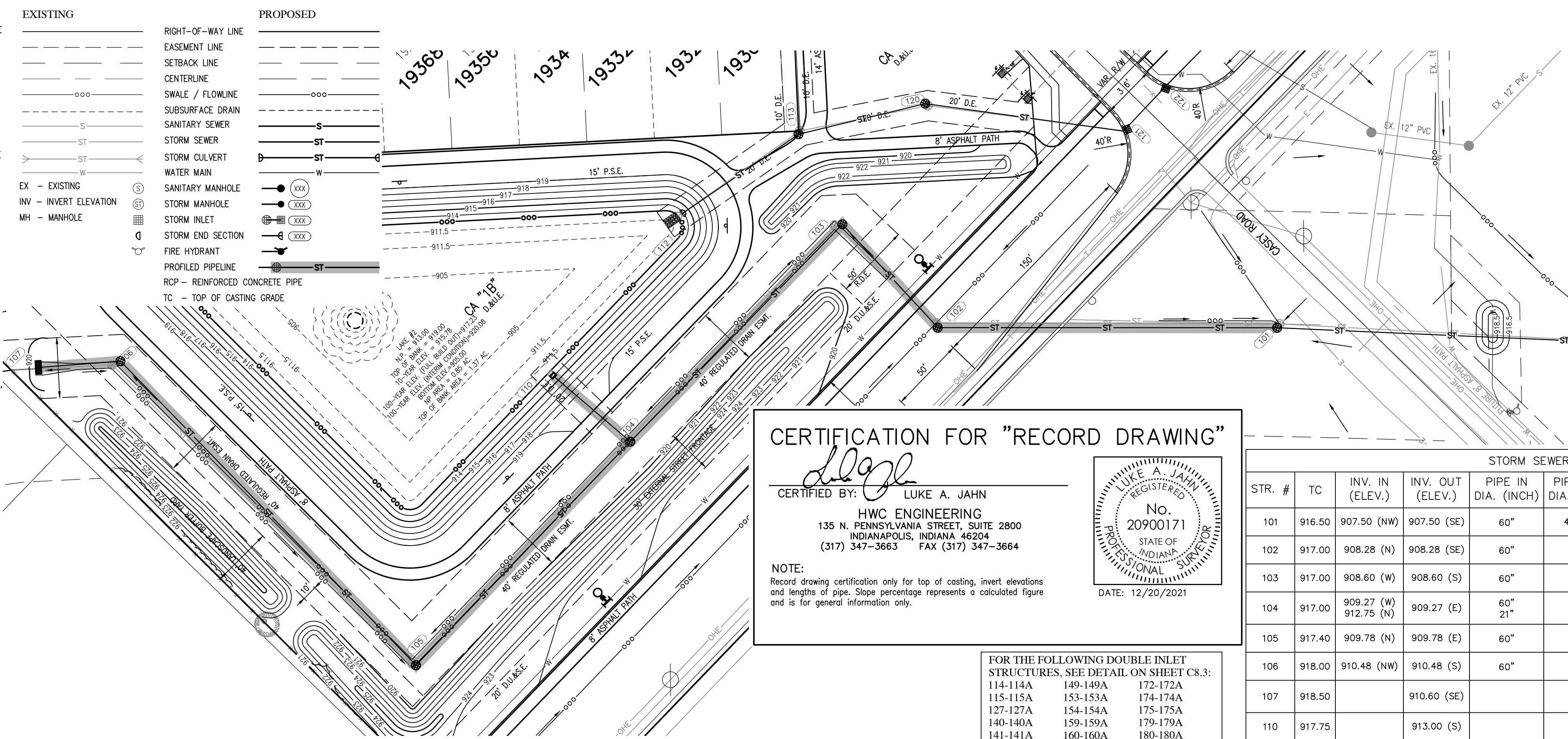
TBM #10
MAG SPIKE AND CAP 1 FOOT ABOVE GRADE IN POWER POLE "CINERGY 838 8326", LOCATED ALONG THE WEST SIDE OF SIX POINTS. THE POWER POLE IS APPROX. 940 FEET SOUTH OF THE DRIVEWAY FOR ADDRESS 20248 SIX POINTS ROAD.
ELEVATION = 931.22 (NAVD88)
[NORTHING: 182,848; EASTING: 738,385] (INGCS-HAMILTON ZONE)

LEGEND:

- | EXISTING | | PROPOSED | |
|----------|-------------------|----------|--------------------------------|
| --- | RIGHT-OF-WAY LINE | --- | EASEMENT LINE |
| --- | SETBACK LINE | --- | CENTERLINE |
| --- | SUBSURFACE DRAIN | --- | SWALE / FLOWLINE |
| --- | SANITARY SEWER | --- | STORM SEWER |
| --- | STORM CULVERT | --- | STORM MANHOLE |
| --- | WATER MAIN | --- | STORM MANHOLE |
| --- | INVERT ELEVATION | --- | STORM INLET |
| --- | MANHOLE | --- | STORM END SECTION |
| --- | | --- | FIRE HYDRANT |
| --- | | --- | PROFILLED PIPELINE |
| --- | | --- | RCP - REINFORCED CONCRETE PIPE |
| --- | | --- | TC - TOP OF CASTING GRADE |

Pipe Table

UPSTREAM TO DOWNSTREAM	PIPE LENGTH (FT)	PIPE DIA. (IN)
102-101	229	60"
103-102	94	60"
104-103	202	60"
105-104	203	60"
106-105	282	60"
107-106	47	60"
110-104	66	21"



CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: LUKE A. JAHN

HWC ENGINEERING
135 N. PENNSYLVANIA STREET, SUITE 2800
INDIANAPOLIS, INDIANA 46204
(317) 347-3663 FAX (317) 347-3664

STATE OF INDIANA
REGISTERED PROFESSIONAL SURVEYOR
No. 20900171
DATE: 12/20/2021

NOTE:
Record drawing certification only for top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

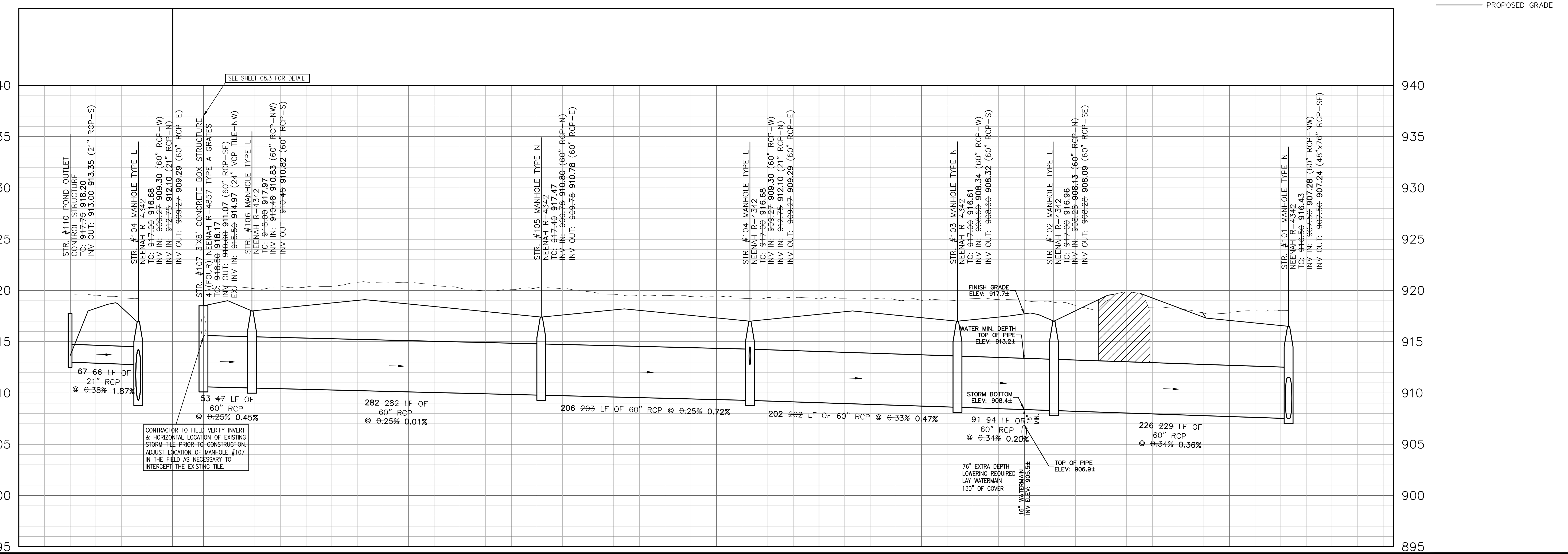
STORM SEWER STRUCTURE DATA TABLE

STR. #	TC	INV. IN (ELEV.)	INV. OUT (ELEV.)	PIPE IN DIA. (INCH)	PIPE OUT DIA. (INCH)	PIPE IN MATERIAL	PIPE OUT MATERIAL	STR. & CASTING TYPE
101	916.50	907.50 (NW)	907.50 (SE)	60"	48"x76"	RCP	RCP	MANHOLE TYPE N NEENAH R-4342
102	917.00	908.28 (N)	908.28 (SE)	60"	60"	RCP	RCP	MANHOLE TYPE L NEENAH R-4342
103	917.00	908.60 (W)	908.60 (S)	60"	60"	RCP	RCP	MANHOLE TYPE N NEENAH R-4342
104	917.00	909.27 (W) 912.75 (N)	909.27 (E)	60" 21"	60"	RCP RCP	RCP	MANHOLE TYPE L NEENAH R-4342
105	917.40	909.78 (N)	909.78 (E)	60"	60"	RCP	RCP	MANHOLE TYPE N NEENAH R-4342
106	918.00	910.48 (NW)	910.48 (S)	60"	60"	RCP	RCP	MANHOLE TYPE L NEENAH R-4342
107	918.50		910.60 (SE)		60"		RCP	3'x8" CONCRETE BOX STRUCTURE 4 (FOUR) NEENAH R-4857 TYPE A GRATES
110	917.75		913.00 (S)		21"		RCP	POND OUTLET CONTROL STRUCTURE

FOR THE FOLLOWING DOUBLE INLET STRUCTURES, SEE DETAIL ON SHEET C8.3:
114-114A 149-149A 172-172A
115-115A 153-153A 174-174A
127-127A 154-154A 175-175A
140-140A 159-159A 179-179A
141-141A 160-160A 180-180A
148-148A 171-171A

STORM PROFILE

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



- GRANULAR BACKFILL
- EXISTING GRADE
- PROPOSED GRADE

REVISIONS

DATE	DESCRIPTION	BY
02/25/20	REVISED PER COMMENTS	HM
11/25/20	REVISED STORM OUTLET STR. #103-#844	KS
11/30/20	REVISED STORM OUTLET STR. #101-#844	KS
12/7/20	REVISED STORM OUTLET STR. #102-#845	KS
12/14/20	REVISED STORM OUTLET STR. #101-#100	KS
11/29/21	RECORD DRAWING	TW

HWC ENGINEERING
INDIANAPOLIS - TERRE HAUTE
LAFAYETTE - MUNICE - NEW ALBANY
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ATWATER SECTION 1
CITY OF WESTFIELD, INDIANA
STORM SEWER PLAN & PROFILE

REGISTERED PROFESSIONAL SURVEYOR
LUKE A. JAHN
STATE OF INDIANA
No. 20900171

DRAWN BY: TD/KS/MEG
CHECKED BY: HM
DATE: JANUARY 3, 2020
SCALE: AS SHOWN
SHEET

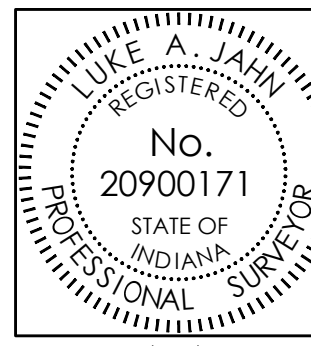
C6.0
STORM SEWER PLAN & PROFILE

EXISTING		PROPOSED	
---	RIGHT-OF-WAY LINE	---	RIGHT-OF-WAY LINE
---	EASEMENT LINE	---	EASEMENT LINE
---	SETBACK LINE	---	SETBACK LINE
---	CENTERLINE	---	CENTERLINE
---	SWALE / FLOWLINE	---	SWALE / FLOWLINE
---	SUBSURFACE DRAIN	---	SUBSURFACE DRAIN
---	SANITARY SEWER	---	SANITARY SEWER
---	STORM SEWER	---	STORM SEWER
---	STORM CULVERT	---	STORM CULVERT
---	WATER MAIN	---	WATER MAIN
---	SANITARY MANHOLE	---	SANITARY MANHOLE
---	STORM MANHOLE	---	STORM MANHOLE
---	STORM INLET	---	STORM INLET
---	STORM END SECTION	---	STORM END SECTION
---	FIRE HYDRANT	---	FIRE HYDRANT
---	PROFILED PIPELINE	---	PROFILED PIPELINE
---	RCP - REINFORCED CONCRETE PIPE	---	RCP - REINFORCED CONCRETE PIPE
---	TC - TOP OF CASTING GRADE	---	TC - TOP OF CASTING GRADE

NOTE:
SEE SHEET C6.0 FOR BENCHMARK
INFORMATION.

CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *[Signature]* LUKE A. JAHN
HWC ENGINEERING
 135 N. PENNSYLVANIA STREET, SUITE 2800
 INDIANAPOLIS, INDIANA 46204
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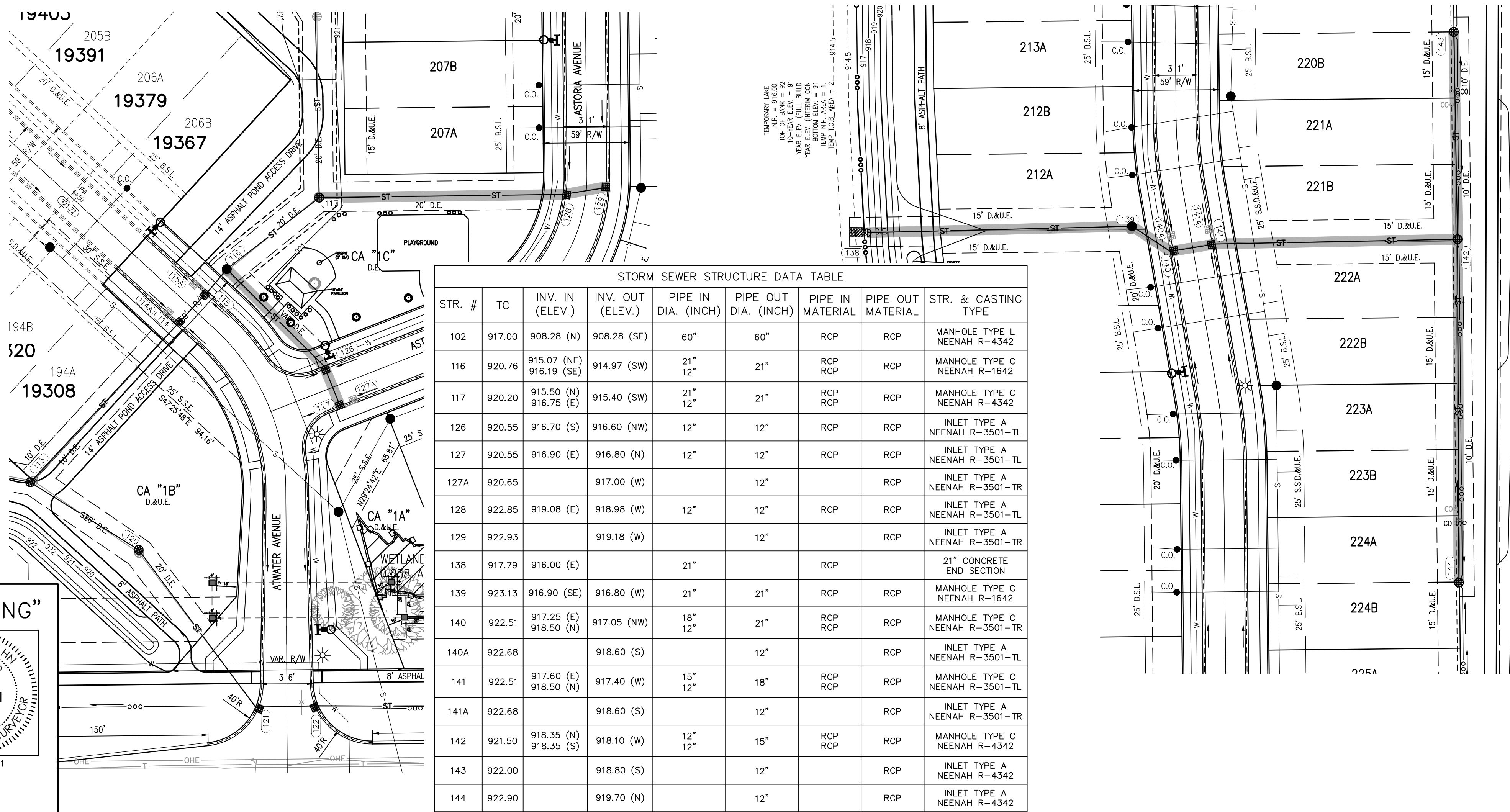
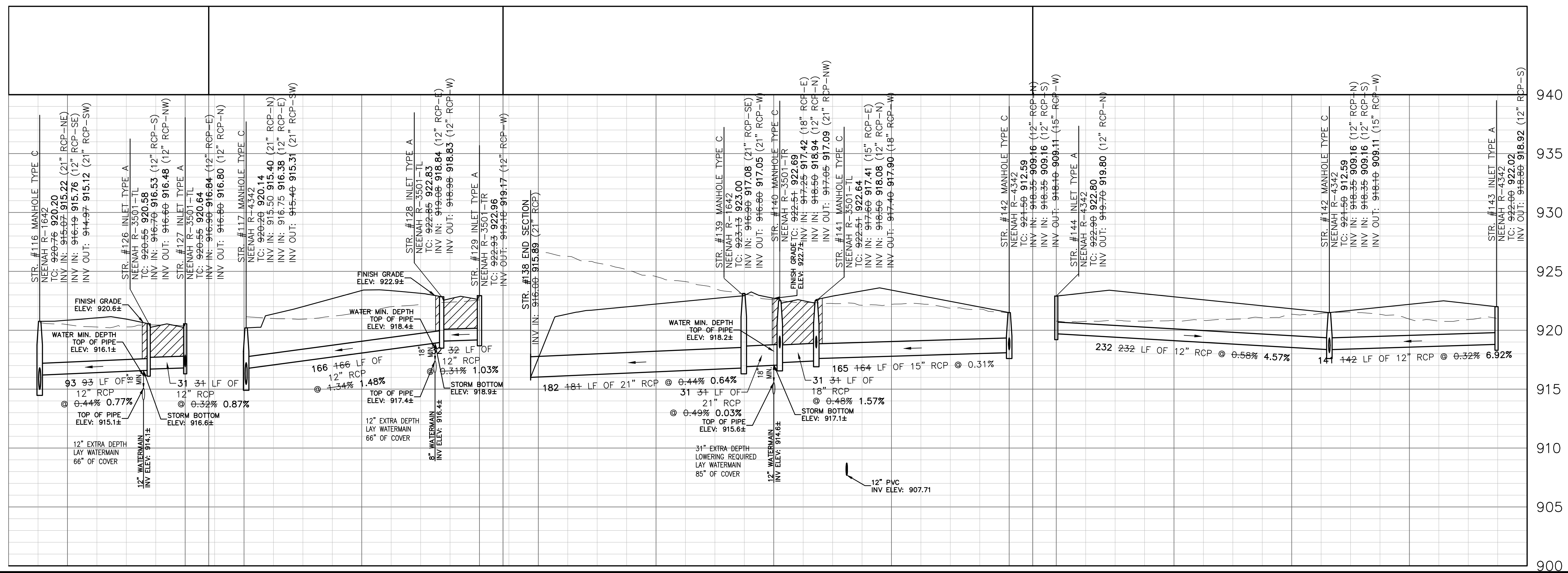


NOTE:
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and lengths of pipe. Slope percentage represents a calculated figure
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DATE: 12/20/2021

STORM PROFILE

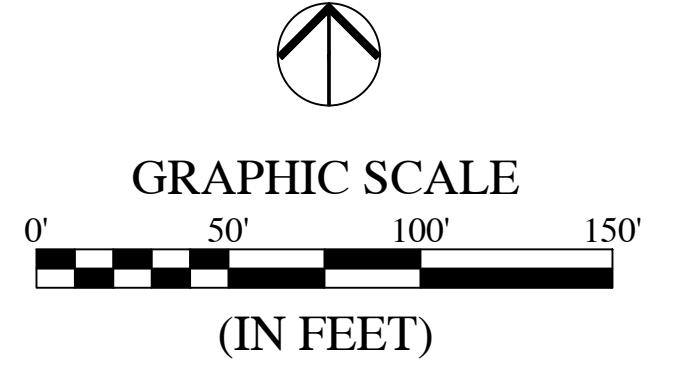
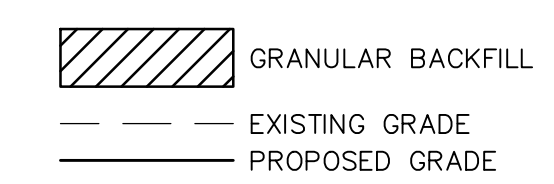
VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 50'



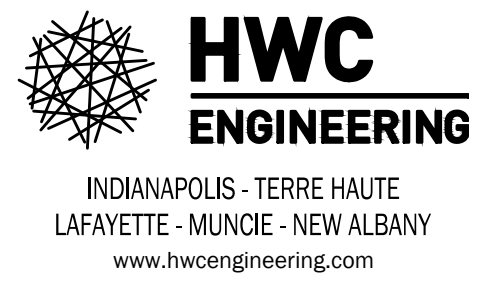
STR. #	TC	INV. IN (ELEV.)	INV. OUT (ELEV.)	PIPE IN DIA. (INCH)	PIPE OUT DIA. (INCH)	PIPE IN MATERIAL	PIPE OUT MATERIAL	STR. & CASTING TYPE
102	917.00	908.28 (N)	908.28 (SE)	60"	60"	RCP	RCP	MANHOLE TYPE L NEENAH R-4342
116	920.76	915.07 (NE)	914.97 (SW)	21"	21"	RCP	RCP	MANHOLE TYPE C NEENAH R-1642
117	920.20	915.50 (N)	915.40 (SW)	21"	21"	RCP	RCP	MANHOLE TYPE C NEENAH R-4342
126	920.55	916.70 (S)	916.60 (NW)	12"	12"	RCP	RCP	INLET TYPE A NEENAH R-3501-TL
127	920.55	916.90 (E)	916.80 (N)	12"	12"	RCP	RCP	INLET TYPE A NEENAH R-3501-TL
127A	920.65	917.00 (W)		12"		RCP		INLET TYPE A NEENAH R-3501-TR
128	922.85	919.08 (E)	918.98 (W)	12"	12"	RCP	RCP	INLET TYPE A NEENAH R-3501-TL
129	922.93	919.18 (W)		12"		RCP		INLET TYPE A NEENAH R-3501-TR
138	917.79	916.00 (E)		21"		RCP		21" CONCRETE END SECTION
139	923.13	916.90 (SE)	916.80 (W)	21"	21"	RCP	RCP	MANHOLE TYPE C NEENAH R-1642
140	922.51	917.25 (E)	917.05 (NW)	18"	21"	RCP	RCP	MANHOLE TYPE C NEENAH R-3501-TR
140A	922.68	918.60 (S)		12"		RCP		INLET TYPE A NEENAH R-3501-TL
141	922.51	917.60 (E)	917.40 (W)	15"	18"	RCP	RCP	MANHOLE TYPE C NEENAH R-3501-TL
141A	922.68	918.60 (S)		12"		RCP		INLET TYPE A NEENAH R-3501-TR
142	921.50	918.35 (N)	918.10 (W)	12"	15"	RCP	RCP	MANHOLE TYPE C NEENAH R-4342
143	922.00	918.80 (S)		12"		RCP		INLET TYPE A NEENAH R-4342
144	922.90	919.70 (N)		12"		RCP		INLET TYPE A NEENAH R-4342

UPSTREAM TO DOWNSTREAM	PIPE LENGTH (FT)	PIPE DIA. (IN)
126-116	93	12"
127-126	31	12"
127A-127	10	12"
128-117	166	12"
129-128	32	12"
139-138	181	21"
140-139	31	21"
140A-140	10	12"
141-140	31	18"
141A-141	10	12"
142-141	164	15"
143-142	142	12"
144-142	232	12"

FOR THE FOLLOWING DOUBLE INLET STRUCTURES, SEE DETAIL ON SHEET C8.3:
 114-114A 149-149A 172-172A
 115-115A 153-153A 174-174A
 127-127A 154-154A 175-175A
 140-140A 159-159A 179-179A
 141-141A 160-160A 180-180A
 148-148A 171-171A



DATE	DESCRIPTION	BY
02/25/20	REVISED PER COMMENTS	HM
11/29/21	RECORD DRAWING	TW



ATWATER SECTION 1
CITY OF WESTFIELD, INDIANA
STORM SEWER PLAN & PROFILE



DRAWN BY: TD/KS/MCG
 CHECKED BY: HM
 DATE: JANUARY 3, 2020
 SCALE: AS SHOWN
 SHEET: C6.2

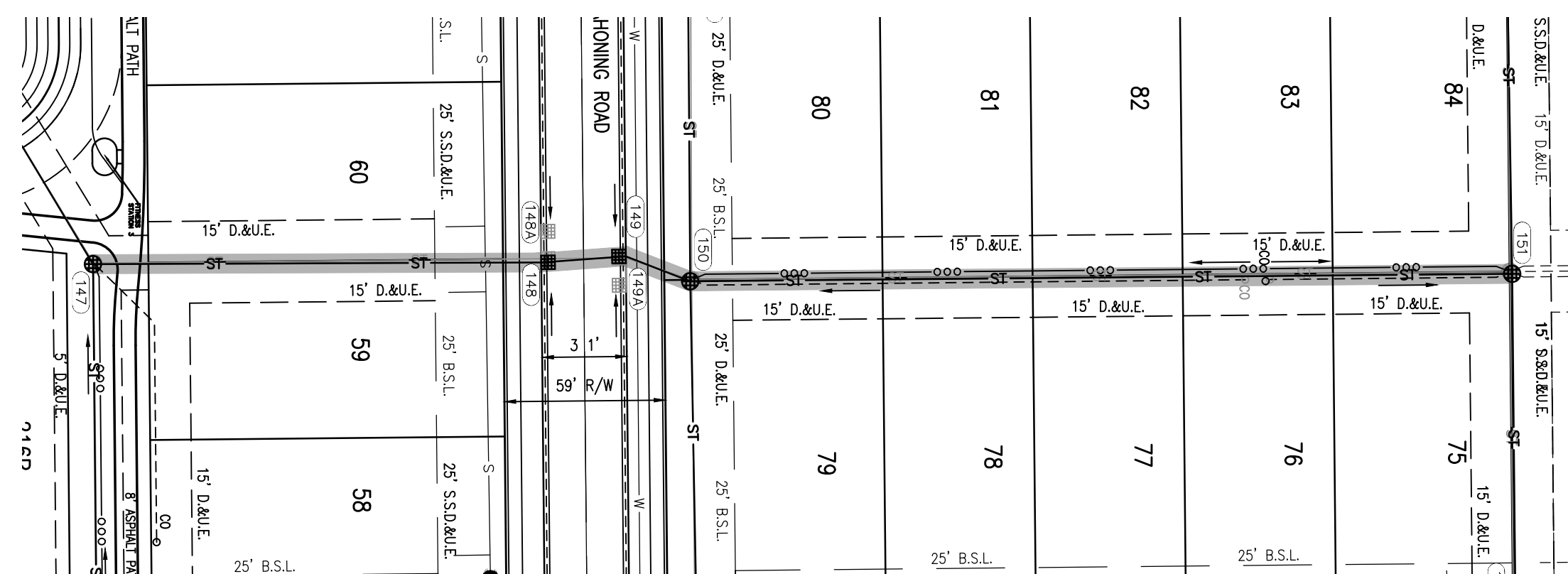
C6.2
 STORM SEWER PLAN & PROFILE

Plot Date: Dec 20, 2021 Plot Time: 3:31pm File Name: W:\Othof Homes\2019-157-A Olthof - Atwater Sec 1\Design\CAD\19157-A Storm Plan - Asbuilt.dwg, Layout: C6.2 By: sdonaldson

EXISTING		PROPOSED	
---	RIGHT-OF-WAY LINE	---	RIGHT-OF-WAY LINE
---	EASEMENT LINE	---	EASEMENT LINE
---	SETBACK LINE	---	SETBACK LINE
---	CENTERLINE	---	CENTERLINE
---	SWALE / FLOWLINE	---	SWALE / FLOWLINE
---	SUBSURFACE DRAIN	---	SUBSURFACE DRAIN
---	SANITARY SEWER	---	SANITARY SEWER
---	STORM SEWER	---	STORM SEWER
---	STORM CULVERT	---	STORM CULVERT
---	WATER MAIN	---	WATER MAIN
---	SANITARY MANHOLE	---	SANITARY MANHOLE
---	STORM MANHOLE	---	STORM MANHOLE
---	STORM INLET	---	STORM INLET
---	STORM END SECTION	---	STORM END SECTION
---	FIRE HYDRANT	---	FIRE HYDRANT
---	PROFILED PIPELINE	---	PROFILED PIPELINE
---	RCP - REINFORCED CONCRETE PIPE	---	RCP - REINFORCED CONCRETE PIPE
---	TC - TOP OF CASTING GRADE	---	TC - TOP OF CASTING GRADE

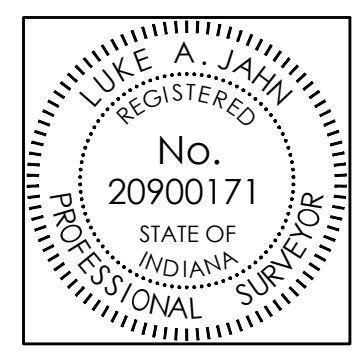
NOTE:
SEE SHEET C6.0 FOR BENCHMARK INFORMATION.

STORM SEWER STRUCTURE DATA TABLE								
STR. #	TC	INV. IN (ELEV.)	INV. OUT (ELEV.)	PIPE IN DIA. (INCH)	PIPE OUT DIA. (INCH)	PIPE IN MATERIAL	PIPE OUT MATERIAL	STR. & CASTING TYPE
146	918.33	916.00 (NE)		24"		RCP		24" CONCRETE END SECTION
147	921.90	916.83 (N) 917.10 (E)	916.70 (SW)	24"	24"	RCP	RCP	MANHOLE TYPE J NEENAH R-4342
148	923.80	917.71 (N) 919.70 (W)	917.51 (S)	21"	24"	RCP	RCP	MANHOLE TYPE C NEENAH R-3501-TR
148A	923.82		919.80 (E)		12"		RCP	INLET TYPE A NEENAH R-3501-TL
149	923.80	918.05 (N) 919.70 (E)	917.95 (S)	21"	21"	RCP	RCP	MANHOLE TYPE C NEENAH R-3501-TR
149A	923.82		919.80 (W)		12"		RCP	INLET TYPE A NEENAH R-3501-TL
150	923.60	918.41 (N) 920.55 (E) 920.42 (W)	918.21 (S)	18"	21"	RCP	RCP	MANHOLE TYPE C NEENAH R-4342
151	925.50	920.14 (E) 921.97 (W)	920.04 (S)	18"	18"	RCP	RCP	MANHOLE TYPE C NEENAH R-4342
159	922.94	917.71 (E) 919.00 (N)	917.61 (W)	18"	18"	RCP	RCP	MANHOLE TYPE C NEENAH R-3501-TR
159A	923.11		919.10 (S)		12"		RCP	INLET TYPE A NEENAH R-3501-TL
160	922.94	918.18 (E) 919.00 (N)	917.78 (W)	12"	18"	RCP	RCP	MANHOLE TYPE C NEENAH R-3501-TL
160A	923.11		919.10 (S)		12"		RCP	INLET TYPE A NEENAH R-3501-TR
161	922.40	919.15 (N) 919.08 (S)	918.98 (W)	12"	12"	RCP	RCP	INLET TYPE A NEENAH R-4342
162	924.35		921.10 (S)		12"		RCP	INLET TYPE A NEENAH R-4342
164	922.40		919.15 (N)		12"		RCP	INLET TYPE A NEENAH R-4342



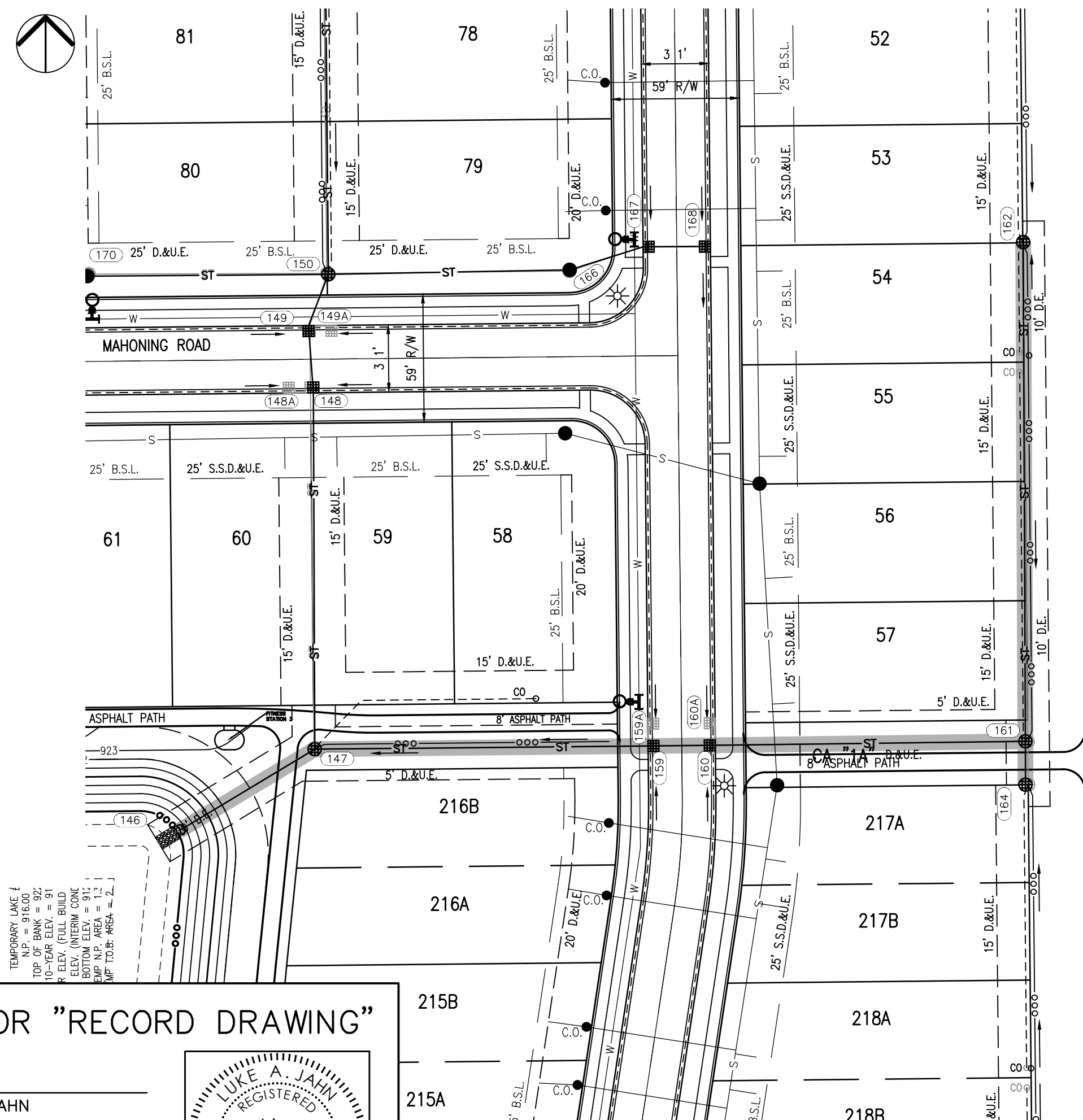
CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: LUKE A. JAHN
 HWC ENGINEERING
 135 N. PENNSYLVANIA STREET, SUITE 2800
 INDIANAPOLIS, INDIANA 46204
 (317) 347-3663 FAX (317) 347-3664



NOTE:
Record drawing certification only for top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

DATE: 12/20/2021



Indiana 811
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 Call 811 or 800-382-5544 Before you Dig!

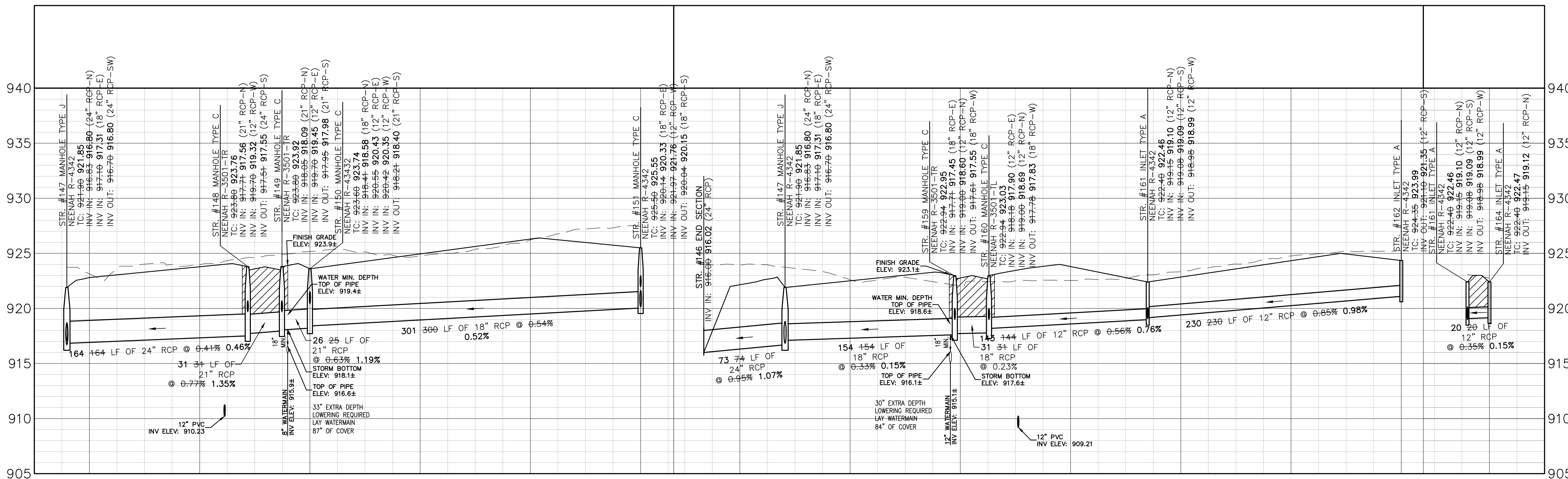
GRAPHIC SCALE
 0' 50' 100' 150'
 (IN FEET)

UPSTREAM TO DOWNSTREAM	PIPE LENGTH (FT)	PIPE DIA. (IN)
147-146	74	24"
148-147	164	24"
148A-148	10	12"
149-148	31	21"
149A-149	10	12"
150-149	25	21"
151-150	300	18"
159-147	154	18"
159A-159	10	12"
160-159	31	18"
160A-160	10	12"
161-160	144	12"
162-161	230	12"
164-161	20	12"

FOR THE FOLLOWING DOUBLE INLET STRUCTURES, SEE DETAIL ON SHEET C8.3:
 114-114A 149-149A 172-172A
 115-115A 153-153A 174-174A
 127-127A 154-154A 175-175A
 140-140A 159-159A 179-179A
 141-141A 160-160A 180-180A
 148-148A 171-171A

STORM PROFILE

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



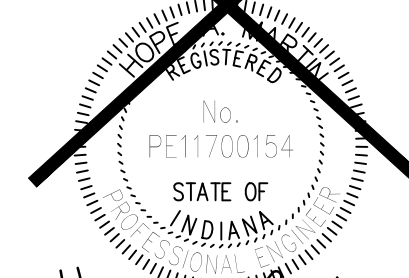
GRANULAR BACKFILL
 EXISTING GRADE
 PROPOSED GRADE

REVISIONS

DATE	DESCRIPTION	BY
02/25/20	REVISED PER COMMENTS	HM
11/29/21	RECORD DRAWING	TW

HWC ENGINEERING
 INDIANAPOLIS - TERRE HAUTE
 LAFAYETTE - MUNICE - NEW ALBANY
 www.hwcengineering.com

ATWATER SECTION 1
 CITY OF WESTFIELD, INDIANA
 STORM SEWER PLAN & PROFILE



DRAWN BY: TD/KS/MEG
 CHECKED BY: HM
 DATE: JANUARY 3, 2020
 SCALE: AS SHOWN
 SHEET

C6.3
 STORM SEWER PLAN & PROFILE

LEGEND:

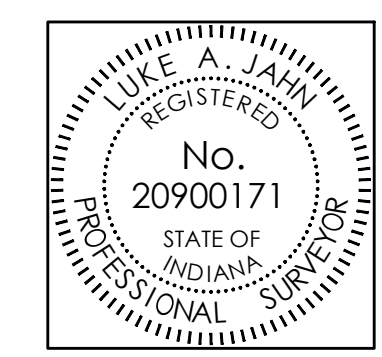
EXISTING	PROPOSED

NOTE: SEE SHEET C6.0 FOR BENCHMARK INFORMATION.

STORM SEWER STRUCTURE DATA TABLE										
STR. #	TC	INV. IN (ELEV.)	INV. OUT (ELEV.)	PIPE IN DIA. (INCH)	PIPE OUT DIA. (INCH)	PIPE IN MATERIAL	PIPE OUT MATERIAL	STR. & CASTING TYPE		
150	923.60	918.41 (N) 920.55 (E) 920.42 (W)	918.21 (S)	18" 12" 12"	21"	RCP RCP RCP	RCP	MANHOLE TYPE C NEENAH R-4342		
166	925.60	921.33 (E)	921.23 (W)	12"	12"	RCP	RCP	MANHOLE TYPE C NEENAH R-1642		
167	925.49	921.64 (E)	921.54 (W)	12"	12"	RCP	RCP	INLET TYPE A NEENAH R-3501-TL		
168	925.49		921.74 (W)		12"		RCP	INLET TYPE A NEENAH R-3501-TR		
170	926.62	921.53 (W)	921.43 (E)	12"	12"	RCP	RCP	MANHOLE TYPE C NEENAH R-1642		
171	925.76	921.96 (W) 921.96 (N)	921.86 (E)	12" 12"	12"	RCP RCP	RCP	INLET TYPE A NEENAH R-3501-TL		
171A	925.92		922.06 (S)		12"		RCP	INLET TYPE A NEENAH R-3501-TR		
172	925.81	922.16 (N)	922.06 (E)	12"	12"	RCP	RCP	INLET TYPE A NEENAH R-3501-TR		
172A	925.92		922.26 (S)		12"		RCP	INLET TYPE A NEENAH R-3501-TL		
177	919.42	916.00 (NW)		36"			RCP	36" CONCRETE END SECTION		
178	925.35	916.31 (N) 918.56 (W)	916.31 (SE)	36" 21"	36"	RCP RCP	RCP	MANHOLE TYPE J NEENAH R-4342		
179	926.29	916.56 (N) 921.90 (W)	916.56 (S)	36" 12"	36"	RCP RCP	RCP	MANHOLE TYPE J NEENAH R-3501-TR		
179A	926.31		922.00 (E)		12"		RCP	INLET TYPE A NEENAH R-3501-TL		
180	926.29	917.11 (NW) 921.90 (W)	916.62 (S)	30" 12"	36"	RCP RCP	RCP	MANHOLE TYPE J NEENAH R-3501-TL		
180A	926.31		922.00 (E)		12"		RCP	INLET TYPE A NEENAH R-3501-TR		
181	926.10	917.70 (N) 917.60 (SE)		30" 30"	30"	RCP RCP	RCP	MANHOLE TYPE J NEENAH R-4342		
182	926.60	919.00 (W)	918.90 (S)	30"	30"	RCP	RCP	MANHOLE TYPE J NEENAH R-4342		

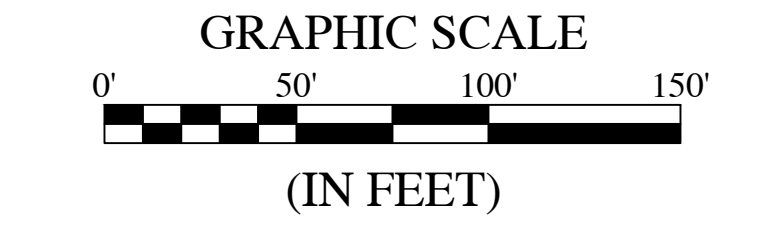
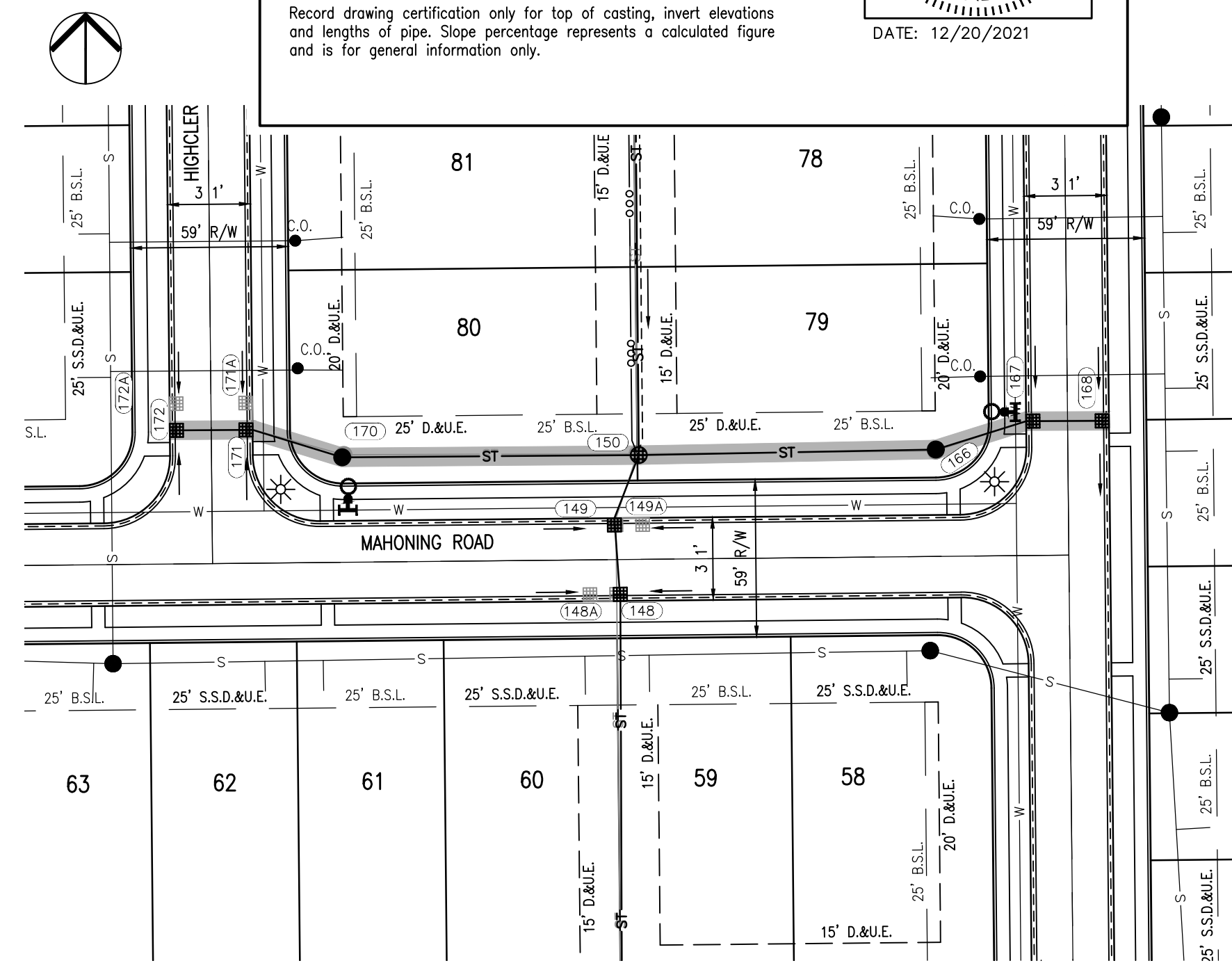
CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY:
 LUKE A. JAHN
 HWC ENGINEERING
 135 N. PENNSYLVANIA STREET, SUITE 2800
 INDIANAPOLIS, INDIANA 46204
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NOTE:
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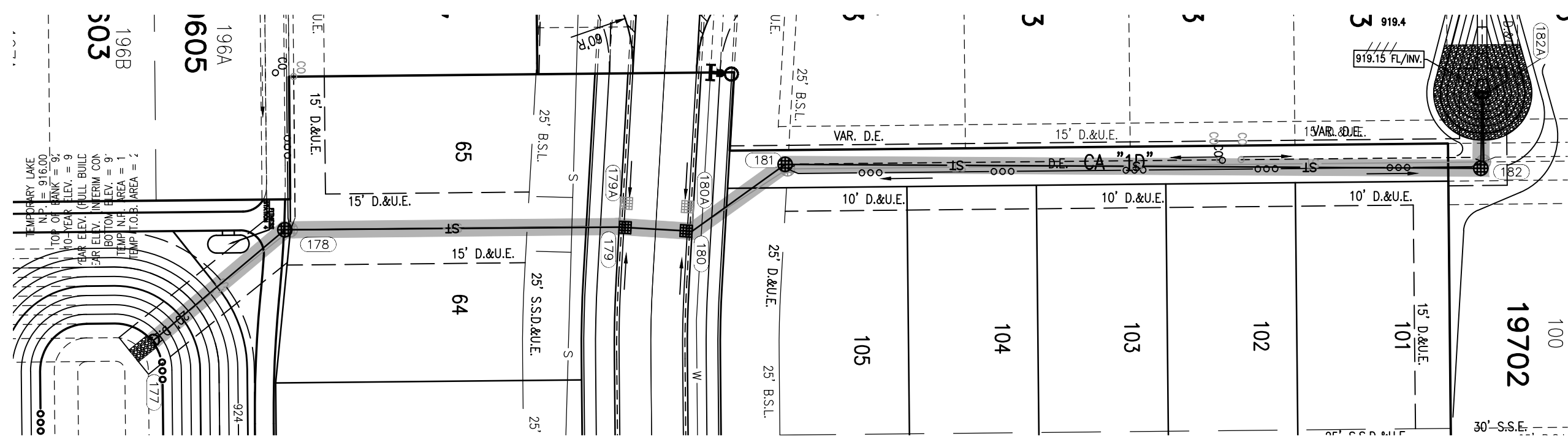
DATE: 12/20/2021



Pipe Table

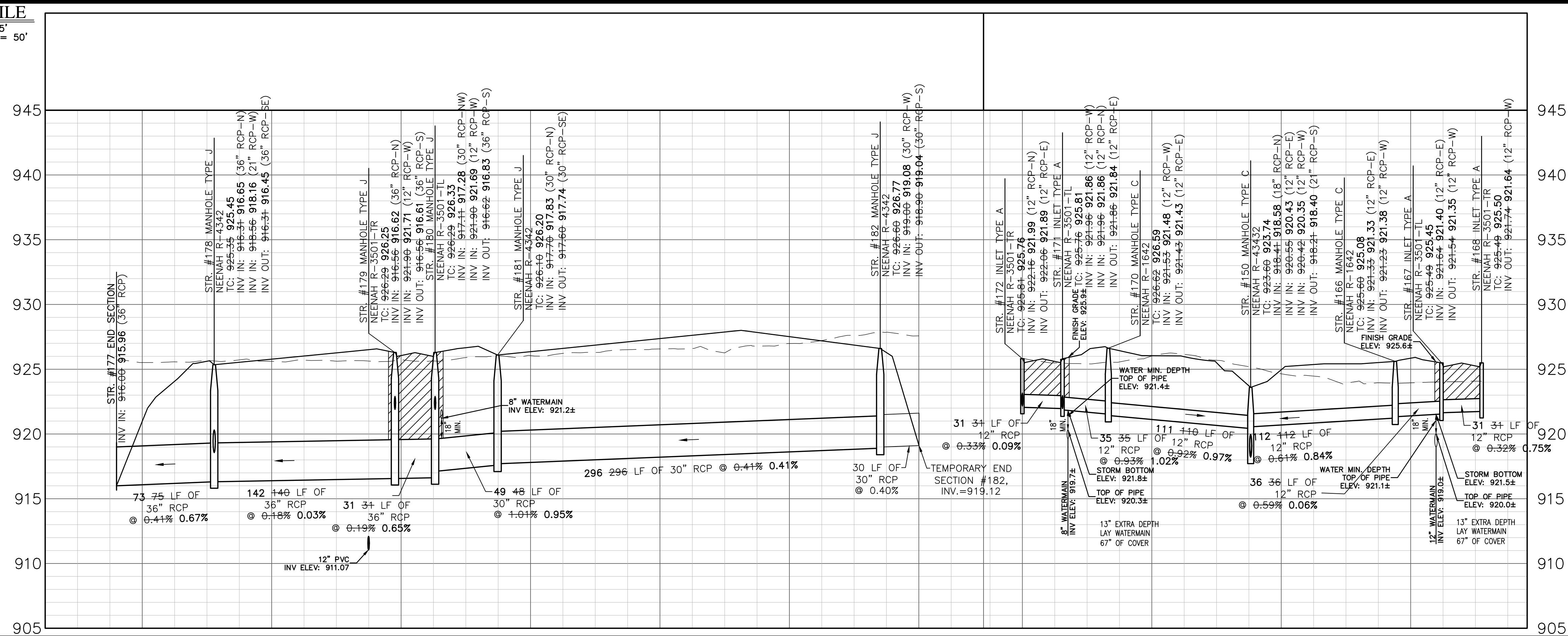
UPSTREAM TO DOWNSTREAM	PIPE LENGTH (FT)	PIPE DIA. (IN)
166-150	112	12"
167-166	36	12"
168-167	31	12"
170-150	110	12"
171-170	35	12"
171A-171	10	12"
172-171	31	12"
172A-172	10	12"
178-177	75	36"
179-P	140	36"
179A-179	10	12"
180-P	31	36"
180A-180	10	12"
181-180	48	30"
182-181	296	30"

FOR THE FOLLOWING DOUBLE INLET STRUCTURES, SEE DETAIL ON SHEET C8.3:
 114-114A 149-149A 172-172A
 115-115A 153-153A 174-174A
 127-127A 154-154A 175-175A
 140-140A 159-159A 179-179A
 141-141A 160-160A 180-180A
 148-148A 171-171A



STORM PROFILE

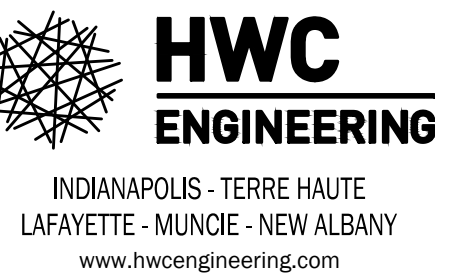
VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 50'



GRANULAR BACKFILL
 EXISTING GRADE
 PROPOSED GRADE

REVISIONS

DATE	DESCRIPTION	BY
02/25/20	REVISED PER COMMENTS	HM
11/29/21	RECORD DRAWING	TW



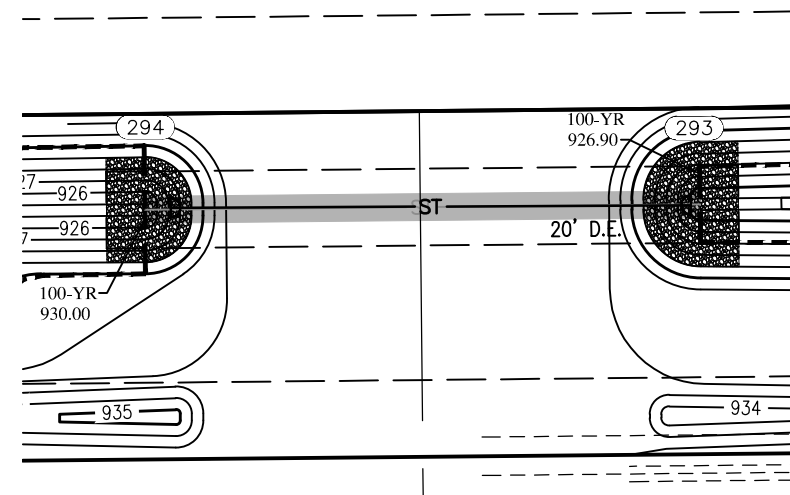
ATWATER SECTION 1
 CITY OF WESTFIELD, INDIANA
 STORM SEWER PLAN & PROFILE



DRAWN BY: TD/KS/MEG
 CHECKED BY: HM
 DATE: JANUARY 3, 2020
 SCALE: AS SHOWN
 SHEET: C6.4
 STORM SEWER PLAN & PROFILE

EXISTING		PROPOSED	
	RIGHT-OF-WAY LINE		EASEMENT LINE
	SETBACK LINE		CENTERLINE
	SWALE / FLOWLINE		SUBSURFACE DRAIN
	SANITARY SEWER		STORM SEWER
	STORM CULVERT		WATER MAIN
	SANITARY MANHOLE		STORM MANHOLE
	STORM INLET		STORM END SECTION
	FIRE HYDRANT		PROFILED PIPELINE
	RCP - REINFORCED CONCRETE PIPE		TC - TOP OF CASTING GRADE

Pipe Table		
UPSTREAM TO DOWNSTREAM	PIPE LENGTH (FT)	PIPE DIA. (IN)
131-130	52	15"
135-134	138	12"
152-151	122	18"
153-152	24	15"
153A-153	10	12"
154-153	31	15"
154A-154	10	12"
155-154	144	12"
156-155	34	12"
174-151	144	12"
174A-174	10	12"
175-174	31	12"
175A-175	10	12"
289-288	26	60"
291-290	19	42"
294-293	145	48"

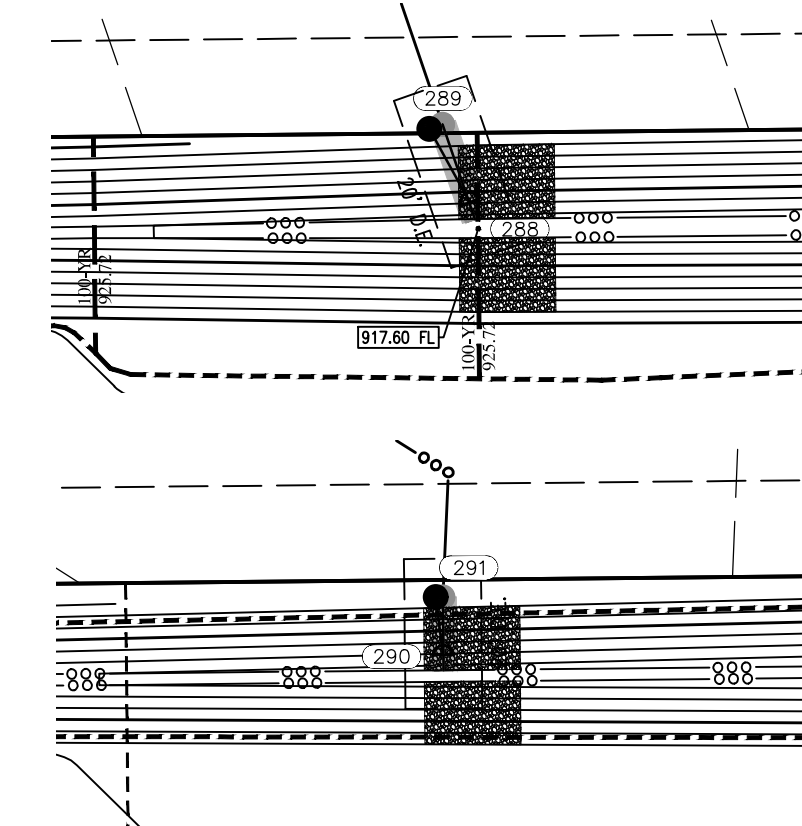
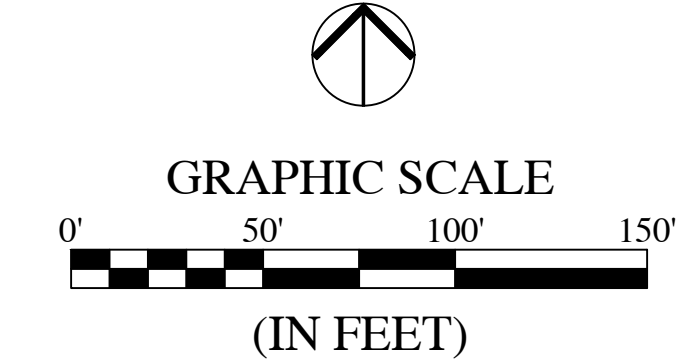


NOTE: SEE SHEET C6.0 FOR BENCHMARK INFORMATION.

STORM SEWER STRUCTURE DATA TABLE									
STR. #	TC	INV. IN (ELEV.)	INV. OUT (ELEV.)	PIPE IN DIA. (INCH)	PIPE OUT DIA. (INCH)	PIPE IN MATERIAL	PIPE OUT MATERIAL	STR. & CASTING TYPE	
130	914.25	913.00 (NE)		15"		RCP		12" CONCRETE END SECTION	
131	920.84	914.35 (NE)	914.15 (SW)	12"	15"	RCP	RCP	INLET TYPE A NEENAH R-4342	
134	914.25	913.00 (NW)		12"		RCP		12" CONCRETE END SECTION	
135	921.00	917.75 (N)	917.65 (SE)	12"	12"	RCP	RCP	INLET TYPE A NEENAH R-4342	
151	925.50	920.14 (E) 921.97 (W)	920.04 (S)	18" 12"	18"	RCP RCP	RCP	MANHOLE TYPE C NEENAH R-4342	
152	926.21	920.56 (E)	920.36 (W)	15"	18"	RCP	RCP	MANHOLE TYPE C NEENAH R-1642	
153	925.70	920.77 (E) 921.70 (S)	920.67 (W)	15" 12"	15"	RCP RCP	RCP	MANHOLE TYPE C NEENAH R-3501-TL	
153A	925.77		921.80 (N)		12"		RCP	INLET TYPE A NEENAH R-3501-TR	
154	925.70	921.04 (E) 921.70 (S)	920.84 (W)	12" 12"	15"	RCP RCP	RCP	MANHOLE TYPE C NEENAH R-3501-TR	
154A	925.77		921.80 (N)		12"		RCP	INLET TYPE A NEENAH R-3501-TL	
155	924.80	921.58 (E)	921.48 (W)	12"	12"	RCP	RCP	INLET TYPE A NEENAH R-4342	
156	925.50		921.69 (W)		12"		RCP	INLET TYPE A NEENAH R-4342	
174	927.37	923.52 (W) 923.52 (S)	923.42 (E)	12" 12"	12"	RCP RCP	RCP	INLET TYPE A NEENAH R-3501-TR	
174A	927.43		923.62 (N)		12"		RCP	INLET TYPE A NEENAH R-3501-TL	
175	927.32	923.72 (S)	923.62 (E)	12"	12"	RCP	RCP	INLET TYPE A NEENAH R-3501-TL	
175A	927.43		923.82 (N)		12"		RCP	INLET TYPE A NEENAH R-3501-TR	
288	919.66	917.60 (N)		60"		RCP		21" CONCRETE END SECTION	
289	925.07		917.70 (S)		60"		RCP	MANHOLE TYPE N NEENAH R-1642	
290	925.56	921.60 (N)		42"		RCP		18" CONCRETE END SECTION	
291	927.78		921.65 (S)		42"		RCP	MANHOLE TYPE K NEENAH R-1642	
293	928.60	924.10 (W)		48"		RCP		48" CONCRETE END SECTION	
294	929.45		924.95 (E)		48"		RCP	48" CONCRETE END SECTION	

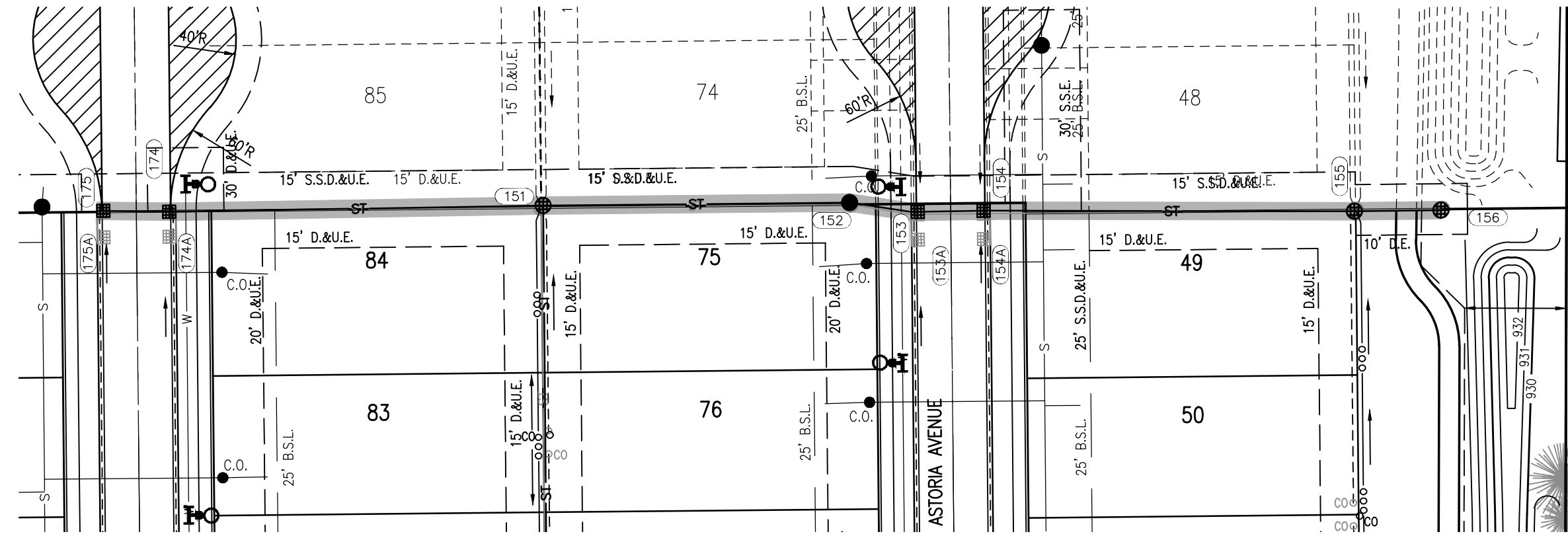
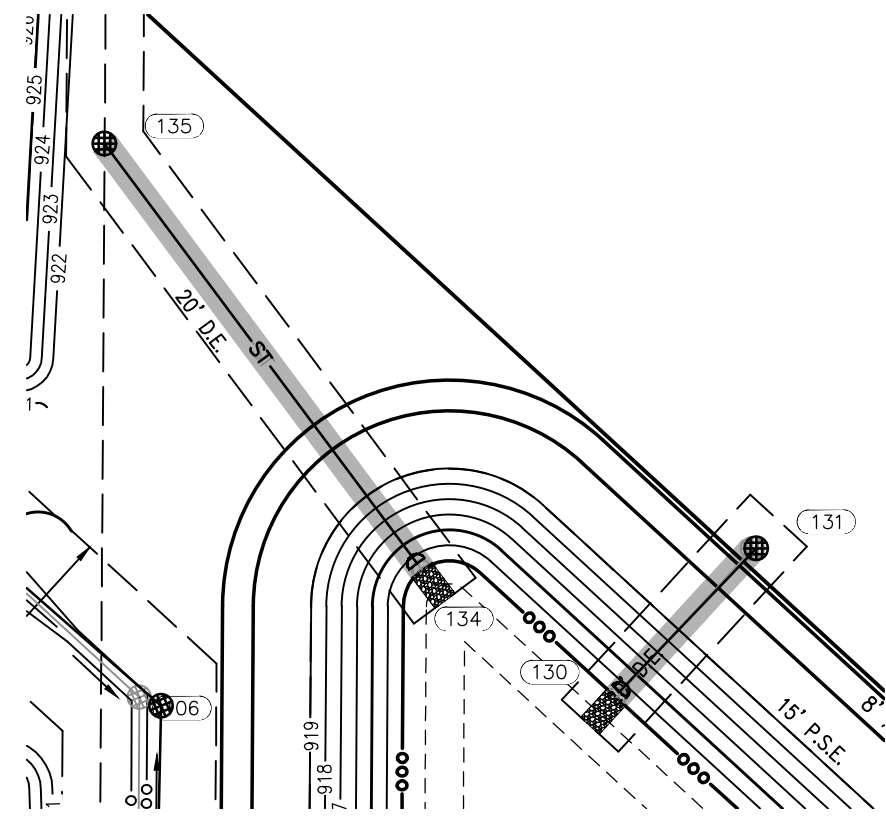


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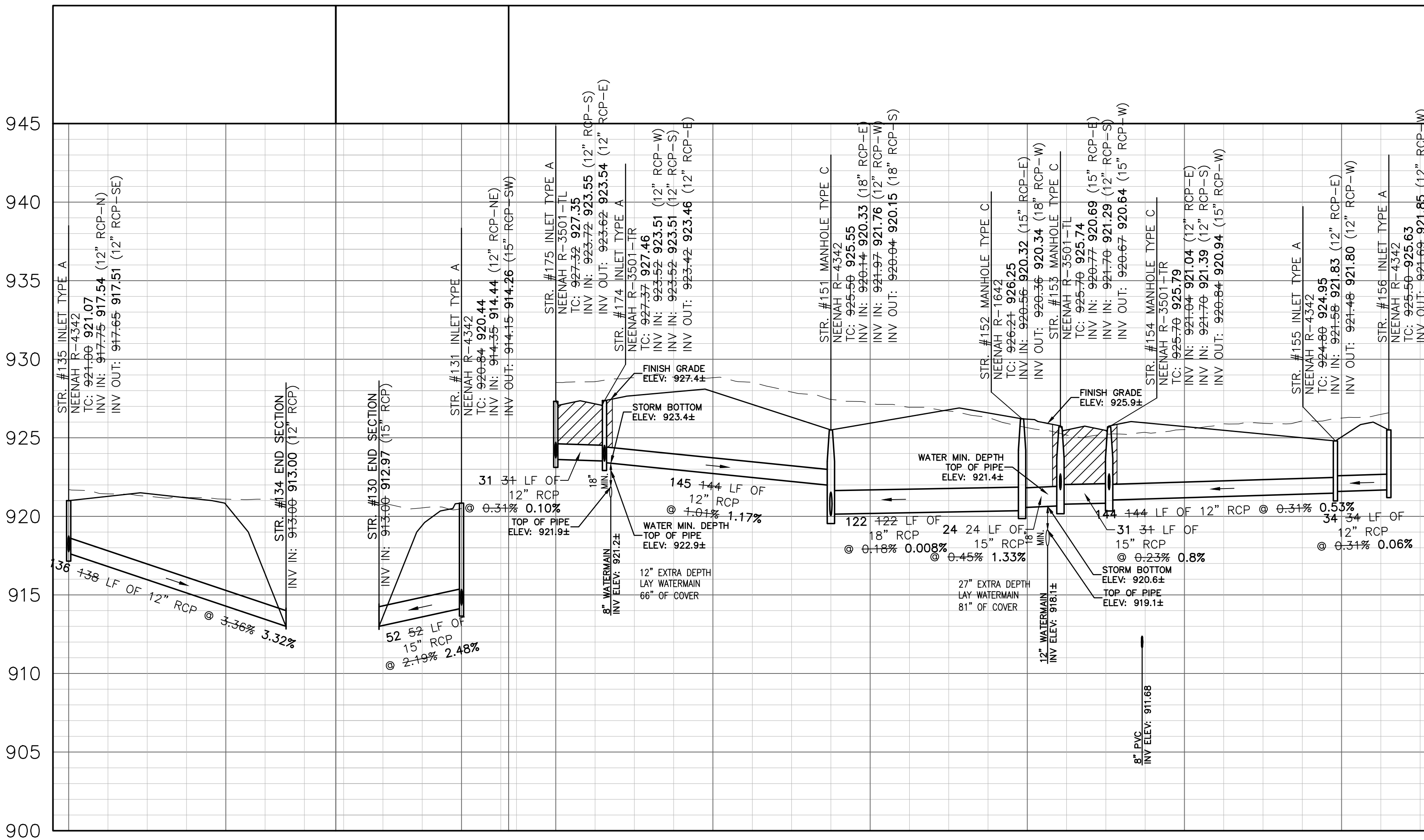
FOR THE FOLLOWING DOUBLE INLET STRUCTURES, SEE DETAIL ON SHEET C8.3:

114-114A	149-149A	172-172A
115-115A	153-153A	174-174A
127-127A	154-154A	175-175A
140-140A	159-159A	179-179A
141-141A	160-160A	180-180A
148-148A	171-171A	



STORM PROFILE

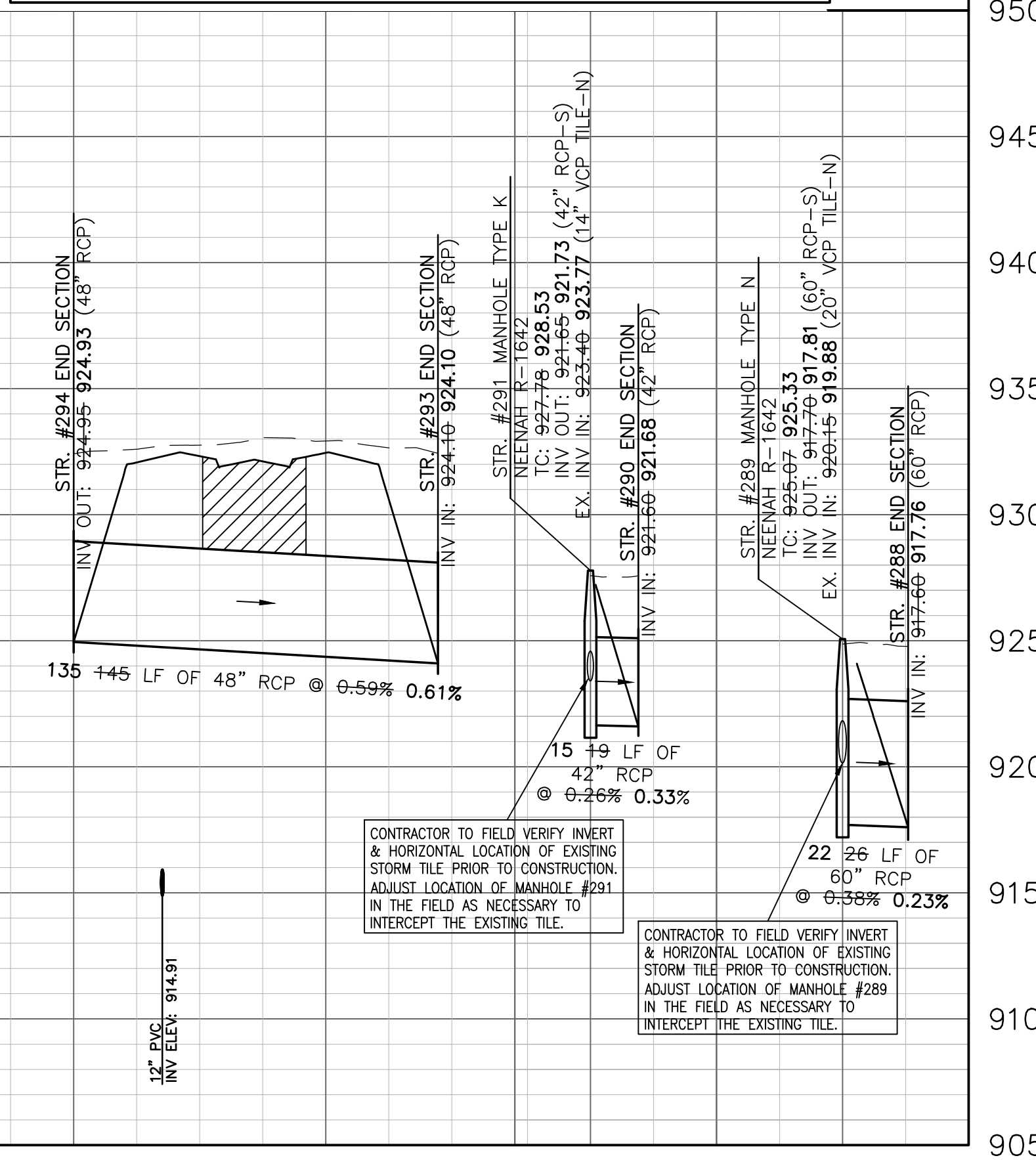
VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *LUKE A. JAHN*
 LUKE A. JAHN
 REGISTERED PROFESSIONAL SURVEYOR
 No. 20900171
 STATE OF INDIANA
 HWC ENGINEERING
 135 N. PENNSYLVANIA STREET, SUITE 2800
 INDIANAPOLIS, INDIANA 46204
 (317) 347-3663 FAX (317) 347-3664
 DATE: 12/20/2021

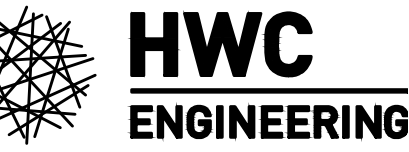
NOTE: Record drawing certification only for top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.



GRANULAR BACKFILL
 EXISTING GRADE
 PROPOSED GRADE

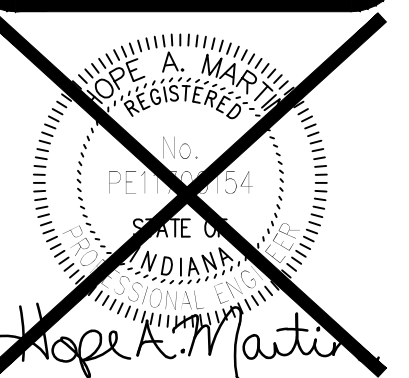
REVISIONS

DATE	DESCRIPTION	BY
02/25/20	REVISED PER COMMENTS	HM
11/29/21	RECORD DRAWING	TW



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 www.hwcengineering.com

**ATWATER SECTION 1
 CITY OF WESTFIELD, INDIANA
 STORM SEWER PLAN & PROFILE**



DRAWN BY: TD/KS/MCG
 CHECKED BY: HM
 DATE: JANUARY 3, 2020
 SCALE: AS SHOWN
 SHEET

C6.5
 STORM SEWER PLAN & PROFILE