

162

SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, CFM
Surveyor of Hamilton County
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Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

February 1, 2019

TO: Hamilton County Drainage Board

RE: Benton Hinesley Regulated Drain Grass Waterway

Attached are the plans, schedule of assessments and drainage shed map for the Benton Hinesley Grass Waterway project. This project is identified as Project No. 6 of the 2013 Symons and Krause Watershed Hydraulic Study approved by the Board at the October 8, 2012 meeting of the Drainage Board (See Hamilton County Drainage Board Minutes Book 14, Pages 326-332). The project is a continuation of the South Drive Arm project approved by the Board at the June 22, 2015 meeting of the Drainage Board (See Hamilton County Drainage Board Minutes Book 16, Pages 228-235).

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 attached plans were prepared for the Hamilton County Drainage Board by Banning Engineering. Benton Hinesley Grass Waterway plans are dated May 8th, 2017, Project Number 11194BH.

This project includes the construction of a new, lower grass waterway between 246th Street and the existing rock chute at the Marion-Adams Arm just west of Lamong Road. This will be an improved outlet for the Sheridan High School detention facility and will reduce the frequency and severity of flooding in the Curry and Puzey subdivision by providing an emergency overflow route.

The Benton Hinesley Watershed covers 607.13-acres and 68-lots in the northwest portion of Hamilton County. The north-central portion of Sheridan is located in this watershed. It is located in portion of Sections 29, 30, 31, and 32 of Township 20 North, Range 3 East, in Adams Township.

History

The drain now known as Benton Hinesley was originally petitioned by Joseph Furnas and established as the West Cicero Ditch in 1877 through the Commissioner's Court (See Commissioner's Record, pages 206-207). This drain began at the section line between Sections 28 and 29, Township 20

North, Range 3 East and ran to a point 20 rods North of the South line of the Northwest $\frac{1}{4}$ of Section 23, Township 20 North, Range 3 East at an old mill dam.

In 1892, George Symonds petitioned the Circuit Court for the drain as it exists today. On March 12, 1921 Benton Hinesley petitioned for a reconstruction of Arm #4 of the George Symonds Drain. The petition was filed with the Hamilton County Circuit Court as Case Number 19361. In 1923, the Benton Hinesley Regulated Drain Tile was installed.

The Reviewer's Report of January 27, 1923 stated the lengths of the Benton Hinesley Drain as follows:

The Main Tile of Benton Hinesley Regulated Drain [being Arm #4 of the George Symonds Drain] begins 830 feet South and 15 feet West of the NW corner of E $\frac{1}{2}$ of the NW $\frac{1}{4}$ of Section 32, Township 20 N, R 3 E. The tile has a total length of 5,464-feet. The drain consists of 1050-feet of 10-inch tile, 765-feet of 14-inch tile, 1638-feet of 18-inch tile, and 2011-feet of 22-inch tile. The drain terminates in the Main Symonds Drain, 31 rods east and 70 rods north of the SW corner of Section 28, same township and range.

Arm #1 drain tile begins at a point 468-feet north and 15-feet west of the SW corner, of E $\frac{1}{2}$ of the SW $\frac{1}{4}$ of Section 29, Township 20 North, Range 3 East. This Arm #1 tile has a total distance of 1600-feet and consists entirely of 10-inch tile. The drain tile terminates in the main ditch at Stake 18+15 at a point 50-feet east and 26-feet north of the NW corner of the NE $\frac{1}{4}$ of Section 32, Township 20 North, Range 3 East.

Arm #2, being a part of Arm #5, or Hannibal Underwood Arm, of the George Symonds Drain, begins at the point of separation of two rows of tile now in said Arm #5. Then running in a southeasterly direction, a total distance of 880-feet and terminating at STA: 34+53 on Arm #4 of the George Symonds Drain. Arm #2 consists of 16-inch tile its entire length.

Arm #3 begins 200-feet west and 20-feet south of the NE corner of the W $\frac{1}{2}$ of the E $\frac{1}{2}$ of NE $\frac{1}{4}$ of Section 32, Township 20 North, Range 3 East. Then ran a total distance of 395-feet, terminating at STA: 41+57 of Arm #4 of the George Symonds Drain. The Arm consists of 10-inch tile in its entirety.

The Drain was requested for classification at the Drainage Board meeting of July 1, 1968 (see Hamilton County Drainage Board Minutes Book 1, page 30).

A request for hearing to place the Drain on maintenance was made at the Drainage Board meeting of February 1, 1971. The Drain was listed as consisting of 8,339-feet of tile at this meeting (see Hamilton County Drainage Board Minutes Book 1, page 65).

The Drain was placed on maintenance at hearing during the May 3, 1971 meeting of the Drainage Board (see Hamilton County Drainage Board Minutes Book 1, page 69)

In 1977, an arm to the Benton Hinesley Drain was added to accommodate physical education fields and a small detention pond for the Marion-Adams School Corporation (See Hamilton County Drainage Board Minutes Book 1, page 239).

The Marion-Adams Arm to the Benton Hinesley Drain was constructed in 1995. The Marion-Adams Arm includes both open drain and tile. The Marion-Adams School Board petitioned the Drainage Board in a petition dated May 10, 1993 to expand the 1977 detention facility for the proposed Sheridan High School. A Surveyors Report dated May 14, 1993 and presented to the Drainage Board at the meeting of June 28, 1993 indicates that 2,210-feet of 24" RCP will be installed south of 246th Street; that 550-feet of the existing grass waterway north of 246th Street will be realigned with the project and that 700-feet of 6-inch SSD to drain the grass waterway will be installed and that a structure will be installed at Station 23+65 of the main drain; that 960-feet of grass waterway will be constructed west of Lamong Road and that a 6-inch SSD will be installed on each side of this grass waterway; and clarifies that the existing grass waterway between main ditch stations 18+15 and 34+53 (across the Ringer Farm parcel and to the start of Arm 2) is part of the Hinesley drain. (See Hamilton County Drainage Board Minutes Book 3, page 134). For the purposes of this report, the grass waterway portions of the Marion-Adams Arm will be identified separately as the Ringer Farms Grass Waterway and Cline Property Grass Waterway.

In 1996, a portion of the Benton Hinesley Drain was relocated to remove a part of the drain that ran under the residential structure located on parcel 01-01-32-01-04-012.000. The tile was collapsed and inoperable. The project was approved at hearing at the July 22, 1996 meeting of the Drainage Board. (see Hamilton County Drainage Board Minutes Book 4, pages 267-268). Mr. Burton paid the cost of the drain relocation. The project was certified as complete during the meeting on July 28, 1997 (See Hamilton County Drainage Board Minutes Book 4, Page 403)

The Sheridan Elementary School Arm was constructed in 2008 to serve as a drainage outlet for the detention facility for the new Sheridan Elementary School located north of 246th Street on the east side of Hinesley Road. A Surveyor's Report dated April 21, 2008 was presented to the Drainage Board at the meeting of June 23, 2008 and the project was approved at hearing at this meeting. (see Hamilton County Drainage Board Minutes Book 11, pages 217-219). A Surveyor's Report dated April 11, 2012 and presented to the Drainage Board on June 11, 2012 states that an inspection of the drainage facilities for this section had been made and found to be complete and acceptable. This report also indicates that Main Ditch between Stations 48+96 and 54+64 was removed with this project (See Hamilton County Drainage Board Minutes Book 14, pages 183-184).

At the meeting of the Drainage Board on November 28, 2011, the Board awarded a professional services contract to Banning Engineering for the William Krause and George Symonds Hydraulic Study (See Hamilton County Drainage Board Minutes Book 14, page 45).

At the meeting of the Drainage Board on October 8, 2012, the findings of the William Krause and George Symonds Hydraulic Study were presented to the Board. (See Hamilton County Drainage Board Minutes Book 14, page 326-332).

In 2012, the Cline Property Grass Waterway of the Marion-Adams Arm was dipped.

In 2014, the crossing of Lamong Road was reconstructed.

The South Drive Arm starts on the west side of Hinesley Road and drains east along the south side of South Drive. The Board of Commissioners of Hamilton County petitioned the Hamilton County Drainage Board for an extension of the Benton Hinesley Drain on September 12, 2012 (see Hamilton County Drainage Board Minutes Book 14, page 280). Banning Engineering was hired by the Drainage

Board on March 24, 2014 to determine alternatives to reduce flooding and prepare construction plans for the project (See Hamilton County Drainage Board Minutes Book 15, Page 371). A Surveyor's Report dated February 25, 2015 was presented to the Drainage Board and approved on June 22, 2015. The project was approved at hearing during this meeting (See Hamilton County Drainage Board Minutes Book 16, Pages 228-235). Bid opening for the reconstruction was on October 26, 2015 (See Hamilton County Drainage Board Minutes Book 16, Page 332). The construction contract was awarded to Morphe Construction on November 8, 2015 in the amount of \$210,887.00 (See Hamilton County Drainage Board Minutes Book 16, Page 345). The inspector's final report dated November 18, 2016 was presented to the Drainage Board at the December 21, 2016 meeting of the Drainage Board. (See Hamilton County Drainage Board Minutes Book 17, Pages 239-241). This project removed the segment of the Main Ditch between Stations 12+45 and 12+92. The Main Ditch upstream of Station 12+45 now outlets to the South Drive Arm.

A Professional Services contract for the design and development of construction plans for the Grass Waterway for a fixed fee amount of \$13,275.00 was awarded to Banning Engineering on February 17, 2015 (See Hamilton County Drainage Board Minutes Book 16, Page 101).

The design process identified that four easements were needed on two parcels to complete the project. On July 25, 2016, the Board approved a supplemental service to the existing professional services contract with Banning Engineering in the amount of \$4,500.00 to develop the easement exhibits needed to secure these easements. The extension of services was approved (See Hamilton County Drainage Board Minutes Book 17, Page 52).

The Drainage Board approved the Surveyor contracting for appraisals for the easements on March 27, 2017 (see Hamilton County Drainage Board Minutes Book 17, page 320).

The Drainage Board approved the Surveyor making offers for the acquisitions on June 26, 2017 (See Hamilton County Drainage Board Minutes Book 17, page 397).

The Cline easement was secured August 14, 2017 (See Hamilton County Drainage Board Minutes Book 17, page 427).

The Ringer Farms easement was secured on February 12, 2018 (See Hamilton County Drainage Board Minutes Book 18, page 47).

Existing Conditions

The December 2017 report by Banning Engineering states that the lack of an adequate overflow from the Sheridan High School detention facility places residents within the Curry and Puzey subdivision at risk from flooding from the detention facility.

A Surveyor's Report dated February 25, 2015 explains the school's detention pond slowly releases water through a culvert under 246th Street and north along the Benton Hinesley Regulated Open Drain (See Hamilton County Drainage Board Minutes Book 16, Page 229).

The current information from the Hamilton County GIS indicates the following lengths of the Benton Hinesley Drain:

Arm	Total Length (feet)
Main Ditch	7,679
Burton Relocation	134
Marion-Adams Arm	3,199.57
Sheridan Elementary School Arm	4,576
South Drive Arm	1,704
<i>Total</i>	<i>17,292.57</i>

Reconstuction Project

Currently upland flows from areas upstream of the school detention and the Curry and Puzey Subdivision flow into and through these areas. The reconstruction proposed provides 2,786-feet of grass waterway; 1,834-feet of 8-inch SSD with a breather at the upstream end of the SSD; mulched seeding of the grass waterway; 811-lf of 20-foot wide Filter Strip (approximately 0.45-acres); general seeding of disturbed areas; 0.40-acres of tree clearing; 32-feet of rock chute (23-feet of which is being modified with the project); 1 farm crossing; and miscellaneous work within the 246th Street right-of-way to improve the capacity of the existing culvert under 246th Street. The project will benefit the detention basin at the Sheridan High School by lowering 100-year elevations by 0.9 feet. 10-year elevations for the detention basin will be lowered by 1.5-feet. This will greatly reduce the frequency and severity of flooding within the Curry and Puzey Subdivision and High School detention by providing an emergency routing for the 100 year storm and storm events exceeding that event. Additionally, erosion and sediment accumulation will be improved with installation of the grassed waterway and filter strips.

The Main Ditch, Arm 1, Arm 2 and Arm 3 and the Sheridan Elementary School Arm are not affected by this project. The 6" SSD installed with the Marion-Adams Arm in 1995, the Main Ditch, and the Sheridan Elementary School Arm are not affected by this project. The proposed project overlaps the Ringer Farms Grass Waterway of the Marion-Adams Arm and runs parallel with the Cline Property Grass Waterway of the Marion-Adams Arm.

For purposes of this report, the primary reference for the new arm is the stationing of the construction drawings. Where possible, cross references to the existing Drain or Arms is made. For purposes of this report, it is assumed that Station 0+00 of the Sheridan Elementary School Arm, the Ringer Farms Grass Waterway of the Marion-Adams Arm, and the Cline Property Grass Waterway of the Marion-Adams Arm is at the downstream end of these Arms.

For reference, the following has been approximately established: Project Station 1+36 is also Station 48+96 of the Main Ditch (present end of the Main Ditch); Station 4+55 of the Sheridan Elementary School Arm; and Station 1+25 of the Cline Property Grass Waterway of the Marion-Adams Arm.

The slope of the grass waterway was the primary design constraint due to the culvert under 246th Street and the flowline elevations of the Cline Property Grass Waterway of the Marion-Adams Arm being fixed elevations. The proposed slope of the waterway is 0.26%. A portion of the proposed grass waterway shall be parabolic in shape. The parabolic shape was proposed to limit the overall top width of the grass waterway. The depth for the parabola shape is consistent through the project at 1.5-feet. Above the parabola shape, the waterway is sloped back to existing grade at a maximum slope of 4:1. The waterway averages approximately 3 feet in depth. The top width of the grass waterway varies in width between 20-feet and 30-feet.

Flowrates for the 10-year critical duration storm event were calculated using the overall hydrologic and hydraulic analysis for the George Symonds Watershed Study. The proposed conditions for project 6 were used. Flow rates vary from 66 cfs to 101 cfs. Depths of flow were estimated to be 2.4 feet for the 10-year storm and were calculated using standard Indiana NRCS grassed waterway design spreadsheets. Velocities within the waterway are estimated to be 2.1 fps for the 10-year storm.

Grass Waterway

The proposed grass waterway begins at project Station 9+17 (being approximately Station 8+89 of the Cline Property Grass Waterway of the Marion-Adams) as a 30-foot wide top grass waterway at the limit of the modifications to the existing rock chute on the Cline property. The grass waterway then runs to the west, (crossing Arm 3 at approximately Station 12+14) upstream to approximately Station 13+50 where it turns to the north. It continues north to approximately Station 17+50 where it turns to the northwest. The waterway continues northwest to approximately Station 21+50 at the property line between the Ringer Farm and Cline properties. This also generally the area where the Sheridan Elementary School Arm discharges to Arm 2 and Arm 2 discharges to the Main Ditch (approximately Station 34+53 of the Main Ditch). The waterway then continues west (parallel to and south of the Main Ditch and the Sheridan Elementary School Arm) to approximately Station 22+05 where the 30-foot wide top grass waterway begins to transition to a 20-foot wide top grass waterway. The transition occurs between Stations 22+05 and 22+25. At Station 22+25, the grass waterway continues west as a 20-foot wide top grass waetrway to Station 28+50 where it starts to turn to the southwest. A farm crossing, for purposes of access to the agricultural is proposed between Stations 29+85 and 30+25. The crossing consists of 40-LF of 71"x47" CMP Arch Pipe. The drain then continues to the southwest to Station 34+50 where the drain turns to the south. The drain then continues south to Station 37+03 to the invert of the CMP Pipe Arch under 246th Street and the end of the project. This points is also Station 5+62.60 of the Ringer Farms Grass Waterway of the Marion-Adams Arm; thereby reconstructing the entire Ringer Farms Grass Waterway of the Marion-Adams Arm.

An area of eroded soil between project Stations 21+25 and 22+00 shall be repaired and stabalized as the grass waterway is constructed.

Soil excavated to establish the proposed grass waterway shall be spread within the limits of the regulated drain easement and such that the flow of storm water runoff along the ground surface is not prevented from entering the grass waterway.

Any existing private drainage tiles encountered during the Work shall be connected to the existing Drain or discharged to the proposed grass waterway (depending on the depth of the private tile).

SSD

1,834-feet of eight (8") inch sub-surface tile is proposed between project Stations 1+18 and 19+88. The length of SSD is shorter than the distance between the Stations due to deflections in the project alignment at the rock chute. This tile parallels the Cline Property Grass Waterway of the Marion-Adams Arm between Stations 1+13 and 8+04. This sub-surface tile will serve to help dry the grassed waterway bottom between flow events. Additionally, this tile can be utilized for subsurface drainage of adjacent agricultural fields. A breather is proposed at the upstream end of this tile at Station 19+88.

Filter Strip

A 20-foot wide filter strip, 811-feet in length, with associated markers, is proposed along the north/west bank of the existing Marion-Adams Arm just west of Lamong Road. The filter strip shall be parallel with the existing open ditch and the project alignment between Station 1+09 (Station 0+94 of the Marion-Adams Arm) and Station 8+34 (Station 8+34 of the Marion-Adams Arm). The filter strip will not be installed across the limits of the existing rock chute. The filter strip will then be installed off the project alignment, but along the existing Marion-Adams Arm between Station 8+76 (Station 8+60 of the Marion-Adams Arm) and Station 9+57 (Station 9+31 of the Marion-Adams Arm; being the end of the open ditch segment of this Arm). The filter strip comprises a total of approximately 0.45-acres.

Tree Clearing

Approximately 0.40-acres of tree clearing for the proposed grass waterway shall occur between Stations 19+25 and 20+15.

Rock Chute

The existing rock chute between Project Stations 8+85 and 9+17 (approximately) will be altered by the project but will remain and become part of the regulated drain. The portion of the existing rock chute between Project Stations 8+94 and 9+17 will need to be lowered to the grade of the proposed grass waterway. The end of the rock chute work is also the end of the work associated with the new grass waterway. The end of the grass waterway work is approximately Station 8+69 of the Marion-Adams Arm.

These improvements will become part of the regulated drain.

Easements

All work shall occur within existing regulated drain easement. Additional regulated drain easement necessary for the project has been secured across the following parcels:

1. Parcel # 01-01-29-00-00-011.00; Ringer Farms Inc.; recorded as Instrument No.: 2018007415.
2. Parcel # 01-01-29-00-00-009.00; Jean Cline Farms, LLC; recorded as Instrument No.: 2017044181.

The Surveyor is of the opinion that these easements are adequate for future maintenance of this arm of the Benton Hinesley Drain.

Changes to the Drain

The following changes are proposed to the Drain as part of this project:

1. Remove the entire length (562.60-feet) of the Marion-Adams Arm grass waterway on the Ringer Farms property.
2. Add 2,786-feet of Grass Waterway
3. Add 1,834-feet of 8" SSD
4. Add one (1) breather
5. Add 811-feet of 20-foot wide filter Strip on the west bank of the Marion-Adams Arm. The filter strip shall be established on the Jean Cline Farms, LLC Property; Parcel 01-01-29-00-00-009.000.
6. Add 32-feet of rock chute.

Permits

There are no permits required for this project.

Project Cost

The estimated total cost of the project is as follows:

Item	Description	Unit	Quantity	Unit Price	Amount
1	30' top width grassed waterway	LFT	1,288	\$ 18.00	\$ 23,184.00
2	20' top width grassed waterway	LFT	1,478	\$ 18.00	\$ 26,604.00
3	20' transition from 20' to 30' grassed waterway	LFT	20	\$ 18.00	\$ 360.00
4	8" HDPE Perf. SSD w/Backfill	LFT	1,834	\$ 15.00	\$ 27,510.00
5	Breather	Each	1	\$ 750.00	\$ 750.00
6	Grassed Waterway Seeding & Mulching	Acre	1.75	\$ 7,500.00	\$ 13,125.00
7	Filter Strip Seeding & Mulching	Acre	0.45	\$ 10,000.00	\$ 4,500.00
8	Spoils Seeding	LS	1	\$ 12,500.00	\$ 12,500.00
9	Tree Clearing	Acre	0.4	\$ 10,000.00	\$ 4,000.00
10	Reshape Riprap Outlet	LS	1	\$ 5,000.00	\$ 5,000.00
11	40-foot Arch Pipe	FT	40	\$ 300.00	\$ 12,000.00
12	Driveway Crossing (stone & riprap)	LS	1	\$ 10,000.00	\$ 10,000.00
13	Modifications within 246th Street ROW	LS	1	\$ 10,000.00	\$ 10,000.00
Construction Subtotal					\$ 143,533.00
15% Contingencies					\$ 21,529.95
Construction Total					\$ 165,062.95
Survey and Design					\$ 13,275.00
Construction Staking					\$ 6,000.00
As-Built Drawings					\$ 5,500.00
Appraisals					\$ 2,900.00
Easement Descriptions (Banning Engineering)					\$ 4,500.00
Easement Acquisition; Jean Cline Farms, LLC					\$ 24,800.00
Easement Acquisition; Ringer Farms, Inc.					\$ 1,625.00
Grand Total					\$ 223,662.95

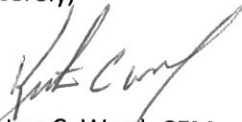
Parcels benefitted by this Drain are currently assessed for the Benton Hinesley Drain. No changes in the current maintenance assessment shall be required.

The total cost of the project, \$223,662.95, will be spread out to the entire drainage shed. The drainage shed for this reconstruction project is 607.13 acres and 68 lots. I have reviewed the benefitted drainage shed and upon considering each parcel individually, I believe each parcel within the drainage shed will have equal benefits based on land use as provided by the drain. Therefore, I recommend each tract be assessed on the same basis equally by land use. I also believe that no damages will result to landowners by reconstruction of this drain. I recommend the following reconstruction assessment be set:

- 1) Residential & Agricultural areas \$270.10 per acre with \$270.10 minimum.
- 2) Commercial, Institutional & Roads \$540.20 per acre with \$540.20 minimum.

I recommend that the Board set a hearing for this proposal for March 25, 2019

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor's Office

KCW/pll

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Benton Hinesley Drain, Grass Waterway

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the **Benton Hinesley Drain, Grass Waterway** came before the Hamilton County Drainage Board for hearing **on March 25, 2019**, 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 **Benton Hinesley Drain, Grass Waterway** 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

March 18, 2019

To: Hamilton County Drainage Board
One Hamilton County Square, Ste. 188
Noblesville, IN 46060-2230

RE: Benton Hinesley Regulated Drain Grass Waterway proposed improvement

As one of the assessed landowners of this project and on behalf of all of the assessed property owners, I request that the board approve a repayment plan of the assessment of up to 7 years at the lowest fixed interest rate possible. This will provide assessed landowners the option of spreading the payment over a reasonable number of years versus a one time payment that may cause some financial burden.

Thank you for the consideration,

Jim Durr

01-01-29-00-00-017.000
01-01-31-00-00-021.003
01-01-32-00-00-001.000



Objection to Charges as Notified by Hamilton County Drainage Board

Landowner: Jason Resciniti

Address: 3618 W Lafayette Rd. Sheridan, IN 46069



This objection is submitted in relation to the parcels as numbered:

- 01-01-31-00-00-022.000
- 01-01-31-02-04-001.000

For the special assessment on the Benton, Hinesely Drain as of February 22, 2019

This objection is submitted in Accordance with Indiana Code 36-9-27-52. It is submitted on the grounds that "the objector is the owner of land assessed as benefited, and the benefits assessed against his land are excessive." This objection seeks to note multiple purposes for this objection.

1. As is shown by the attached documents, upon purchase of this property, I (the land owner) was made aware of a charge held against this property by Hamilton county for a separate drain in prior years. Upon discussion with the Hamilton county surveyor's office, it is noted that the previous drain (the Symonds, George Drain) is fed by the new drain in question. It is excessive to pay for two separate drains, as one of the drains does not directly benefit my property in any way. My request is that the charge for either one of these two drains be released, as I do not exist in the Symonds, George watershed.
2. At the time of the notice, I held two parcels of Land at the same address. Charges have been incurred for both separate parcels. Since discussion with the County surveyor's office, I have submitted the appropriate paperwork (attached) to have both parcels combined. The request is that at minimum, any new balance would reflect the single parcel as it now stands.

Any questions or attempt to contact can be made at

- Cell phone: 908-399-8032
- Email - Jresciniti@atthrive.com

A handwritten signature in black ink that reads "Jason Resciniti". The signature is written in a cursive, flowing style.

OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD
 February 22, 2019

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **Benton Hinesley Regulated Drain Grass Waterway**.

Resciniti, Jason
 3618 W Lafayette Rd
 Sheridan, IN 46069

Under the Indiana Drainage Code, all land which drains directly, or indirectly, may be assessed for either maintenance cost or reconstruction cost within the drain. In making the calculation for each parcel, the Drainage Board must calculate the percentage of the cost attributable to each parcel of land benefitted. The Drainage Board has received a reconstruction report and schedule of assessments which affects your land. The purpose of the reconstruction project is to perform work which will substantially improve the drainage for the entire watershed served by the drain.

You are hereby notified that the reconstruction report of the County Surveyor and the schedule of assessments made by the Drainage Board have been filed and are available for public inspection in the office of the County Surveyor. The chart below contains your proposed assessment and your percentage of the total reconstruction assessment.

The reconstruction report of the Surveyor and schedule of damages and benefits as determined by the Drainage Board for the proposed improvement known as the **Benton Hinesley Regulated Drain Grass Waterway** have been filed and are available for inspection in the office of the County Surveyor. The schedule of assessments shows the following lands in your name are affected as follows. This assessment is not a charge for services associated with regulating the quality of storm water within your city or town.

Description of Land	Acres Benefited	Damages	Reconst. Assmt.	% of Total	Maint. Assmt.
01-01-31-00-00-022.000 Residential/Ag	3.10	Zero	\$837.32	0.37%	*
S31 T20 R3 3.10Ac					

* No change in current maintenance assessment rates.

The hearing on the Surveyor's reconstruction report and on the schedules of damages and assessments are set for hearing at **9:00 A.M. on March 25, 2019** in the Commissioner's Court. The law provides that objections must be written and filed not less than 5 days before the date of the hearing. Objections may be for causes as specified by law and which are available at the Surveyor's Office. Written evidence in support of objections may be filed. The failure to file objections constitutes a waiver of your right to thereafter object, either before the Board or in court on such causes, to any final action of the Board. On or before the day of the hearing before the Board, the Surveyor shall and any owner of affected lands may cause written evidence to be filed in support of or in rebuttal to any filed objections.

HAMILTON COUNTY DRAINAGE BOARD
 One Hamilton County Square, Ste. 188
 Noblesville, IN 46060-2230

For a copy of the Surveyor's Report to the Drainage Board and a copy of the map, if applicable, please go to www.hamiltoncounty.in.gov/drainageboardnotices.

OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD
 February 22, 2019

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the Benton Hinesley Regulated Drain Grass Waterway.

Resciniti, Jason
 3618 W Lafayette Rd
 Sheridan, IN 46069

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Description of Land	Acres Benefited	Damages	Reconst. Assmt.	% of Total	Maint. Assmt.
01-01-31-02-04-001.000 Residential/Ag	0.25	Zero	\$270.10	0.12%	*
* No change in current maintenance assessment rates.					

The hearing on the Surveyor's reconstruction report and on the schedules of damages and assessments are set for hearing at **9:00 A.M. on March 25, 2019** in the Commissioner's Court. The law provides that objections must be written and filed not less than 5 days before the date of the hearing. Objections may be for causes as specified by law and which are available at the Surveyor's Office. Written evidence in support of objections may be filed. The failure to file objections constitutes a waiver of your right to thereafter object, either before the Board or in court on such causes, to any final action of the Board. On or before the day of the hearing before the Board, the Surveyor shall and any owner of affected lands may cause written evidence to be filed in support of or in rebuttal to any filed objections.

HAMILTON COUNTY DRAINAGE BOARD
 One Hamilton County Square, Ste. 188
 Noblesville, IN 46060-2230

For a copy of the Surveyor's Report to the Drainage Board and a copy of the map, if applicable, please go to www.hamiltoncounty.in.gov/drainageboardnotices.

3618 Lafayette Rd W
Parcel #: 01-01-31-00-00-022.000
State #: 29-01-31-000-022.000-001



Taxes & Payments

Special Assessments as of March 15, 2018

This accounting includes maintenance drain assessments, delinquent sewage liens, and weed liens for 2017 paid 2018 as of March 15, 2018. If your property benefits from a reconstruction drain, reconstruction drain assessments are included on the current year report.

- For newer information on Drainage Assessments, contact the County Surveyor's Office.
- For newer information on Weed Liens and Delinquent Sewage Liens, contact the appropriate Utility.
- For newer information on Barrett Liens or Ineligible Homestead Taxes Added, contact the County Auditor's Office.
- For newer information on Payments, contact the County Treasurer's Office, or click the Payment Details tab (above).

Drain Assessments

This section is updated annually.

Special Assessment Name	Spring Assessment	Delinquent Tax & Penalties	Fall Assessment	Total Due*
M283-Symonds, George (5283)	\$12.50	\$0.00	\$12.50	\$25.00
M041-Benton-Hinesley (541)	\$15.00	\$0.00	\$0.00	\$15.00

Notes

* The Total Due is included in the Tax Statement.

Disclaimer: This program allows you to view and print certain public records. Each section reflects information as of a specific date; so the information provided in different sections or reports may not match. All information has been derived from public records that are constantly undergoing change and is not warranted for content or accuracy. It may not reflect the current information pertaining to the property of interest.

3618 Lafayette Rd W
Parcel #: 01-01-31-02-04-001.000
State #: 29-01-31-204-001.000-001



Taxes & Payments

Special Assessments as of March 15, 2018

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For newer information on Drainage Assessments, contact the County Surveyor's Office.
For newer information on Weed Liens and Delinquent Sewage Liens, contact the appropriate Utility.
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HAMILTON COUNTY
REAL PROPERTY DEPARTMENT

REQUEST TO COMBINE

• PARCELS FOR TAX PURPOSES •

NOTE: ALL DELINQUENT PROPERTY TAXES MUST BE PAID. THE PARCELS MUST BE CONTIGUOUS. TITLE TO THE PARCELS MUST HAVE BEEN OBTAINED ON THE SAME DEED AND THEREFORE BE HELD IN EXACTLY THE SAME NAME. THE PARCELS CANNOT CROSS SECTION BOUNDARIES. ALL PARCELS MUST BE IN THE SAME TAXING UNIT. TO COMBINE PARCELS DESCRIBED BY METES AND BOUNDS, THE PROPERTY TO BE COMBINED MUST BE DESCRIBED WITH A PERIMETER DESCRIPTION AS ONE PARCEL AND RECORDED BY DEED.

FILED

NAME(S) AS APPEARS ON DEED:

MAR 15 2019

Jason Resciniti

Robin M. Mills
AUDITOR HAMILTON COUNTY

PARCEL NUMBERS: 01-01-31-00-00-022.000

01-01-31-02-04-001.000

THIS REQUEST IS MADE PURSUANT AND SUBJECT TO THE POLICY FOR COMBINING PARCELS FOR TAX PURPOSES WHICH HAS BEEN RECEIVED BY ME.

SIGNATURE OF ONE OWNER:

Jason Resciniti

PRINTED NAME:

Jason Resciniti

DATE:

3-15-2019

ADDRESS:

3618 W Lafayette Rd
Sheridan

PHONE NUMBER:

908-399-8032

PLEASE CHECK THE FOLLOWING:

ARE THERE DELINQUENT TAXES DUE?

Y N

ARE BOTH (ALL) PARCELS DESCRIBED ON THE SAME DEED?

Y N

IF YES, PLEASE GIVE RECORDED DOCUMENT NUMBER:

2017061534

FOR STAFF USE ONLY

EMPLOYEE INITIALS: _____

CHECKED TAXES: _____

33 N. NINTH ST.
NOBLESVILLE, IN 46060



VOICE: 317-776-9624

PLATS@HAMILTONCOUNTY.IN.GOV

2017061534 DEED \$25.00
12/15/2017 10:10:52AM 3 PGS
Jennifer Hayden
Hamilton County Recorder IN
Recorded as Presented



DULY ENTERED FOR TAXATION
Subject to final acceptance of transfer
15th day of December 2017 - JKT
Robin M. Miles Auditor of Hamilton County
Parcel # 01-01-31-00-00-022.000
Parcel # 01-01-31-02-04-001.000

nkc

Tax ID Number(s):
01-01-31-00-00-022.000 29-01-31-000-022.000-001
01-01-31-02-04-001.000 29-01-31-204-001.000-001

PERSONAL REPRESENTATIVES DEED

THIS INDENTURE WITNESSETH

That **Cheryl Dennison**, Personal Representative of the Unsupervised Estate of **Bryce Leon Pickett**, Hamilton Probate Court, Estate No. 29D01-1501-EU-0058

CONVEYS TO

Jason Resciniti, for Ten Dollars and other valuable consideration the receipt whereof is hereby acknowledged, the following described REAL ESTATE in Hamilton County, in the State of Indiana, to-wit:

SEE ATTACHED EXHIBIT "A"

Grantor swears under oath that the decedent was formerly known as **Bryce L. Pickett** on a prior deed.

The grantor warrants under oath that **Betty Jo Pickett**, died 2-8-1997 in Hamilton County, IN.

Subject to Real Estate taxes now due and payable and thereafter.

Subject to covenants, restrictions and easements of record.

IN WITNESS WHEREOF, The said **Cheryl Dennison**, Personal Representative of the Unsupervised Estate of **Bryce Leon Pickett**, Hamilton Probate Court, Estate No. 29D01-1501-EU-0058, has executed this Deed this 14 day of Dec 2017.

Cheryl Dennison
Cheryl Dennison, Personal Representative

State of Indiana, County of Hamilton ss:

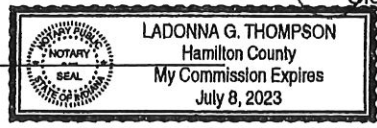
Before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named **Cheryl Dennison** who acknowledged the execution of the foregoing Deed and who, having been duly sworn, stated that the representations therein contained are true.

WITNESS, my hand and Seal this 14 day of Dec 2017.

My Commission Expires: _____

Ladonna G. Thompson
Signature of Notary Public

Printed Name of Notary Public



Notary Public County and State of Residence

This instrument was prepared by:
Andrew R. Drake, Attorney-at-Law
11711 N. Pennsylvania St., Suite 110, Carmel, IN 46032

Property Address:
3618 West Lafayette Road
Sheridan, IN 46069

Grantee's Address and Mail Tax Statements To:
3618 W. Lafayette Road
Sheridan, IN 46069

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law. Andrew R. Drake

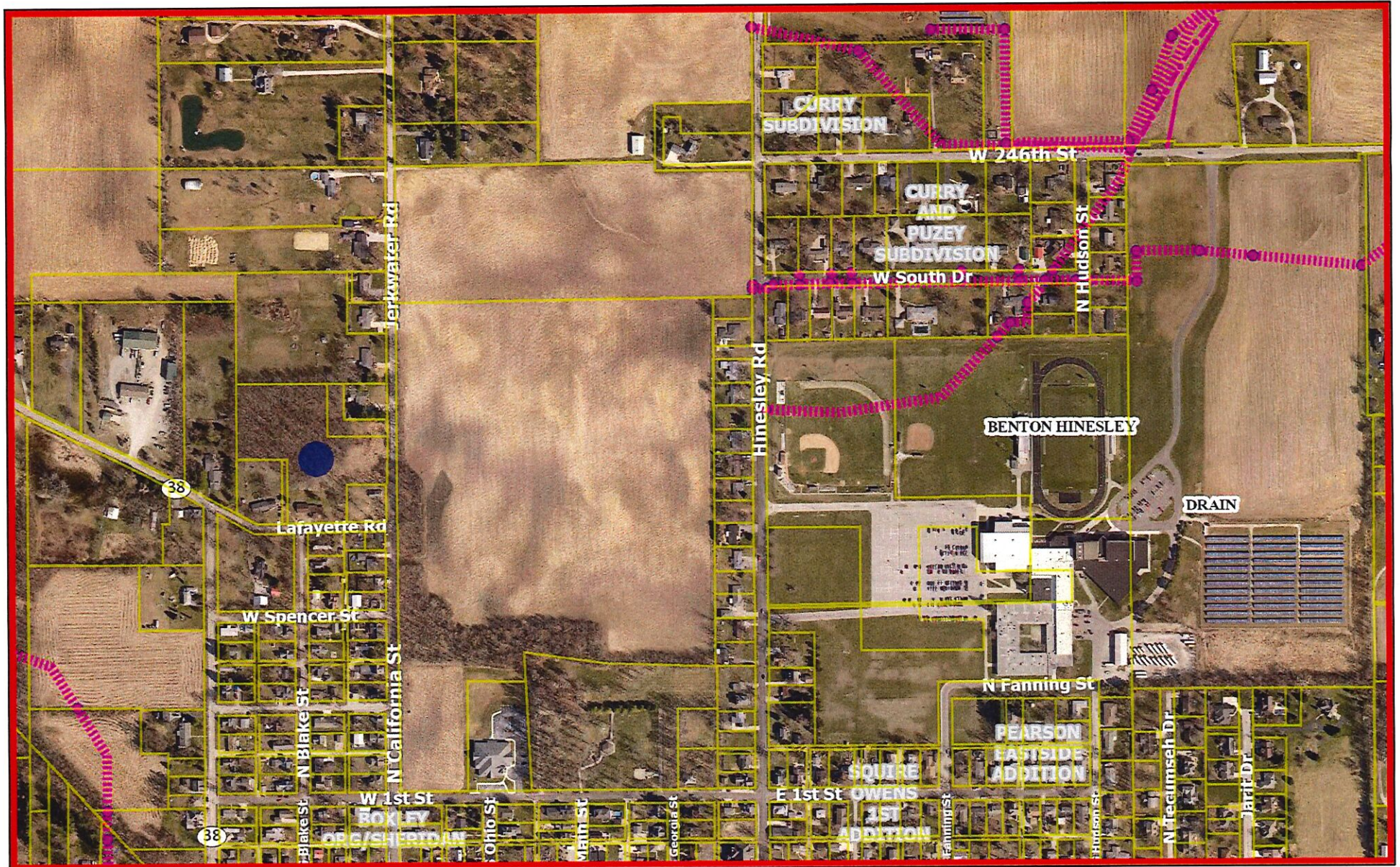
EXHIBIT A

PART OF THE NORTHEAST QUARTER OF SECTION 31, TOWNSHIP 20 NORTH, RANGE 3 EAST LOCATED IN ADAMS TOWNSHIP, HAMILTON COUNTY, INDIANA BEING DESCRIBED AS FOLLOWS:

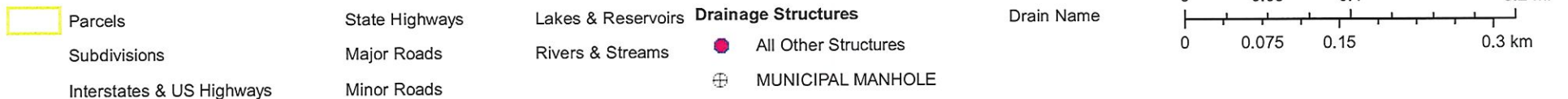
COMMENCING AT THE NORTHEAST CORNER OF THE NORTHEAST QUARTER OF SECTION 31, TOWNSHIP 20 NORTH, RANGE 3 EAST; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST (ASSUMED BEARING) 786.3 FEET; THENCE SOUTH 89 DEGREES 53 MINUTES 00 SECONDS WEST 230.00 FEET TO THE POINT OF BEGINNING;

THENCE SOUTH 89 DEGREES 53 MINUTES 00 SECONDS WEST 331.00 FEET; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 275.27 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 30 SECONDS EAST 195.00 FEET; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 249.00 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 30 SECONDS EAST 60.75 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 24.75 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 30 SECONDS EAST 148.50 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 132.00 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 30 SECONDS EAST 156.75 FEET TO THE EAST LINE OF SAID QUARTER SECTION; THENCE ON SAID EAST LINE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 176.78 FEET; THENCE SOUTH 89 DEGREES 53 MINUTES 00 SECONDS WEST 230.00 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 190.00 FEET TO THE POINT OF BEGINNING. CONTAINING 3.98 ACRES, MORE OR LESS.

Benton Hinesley Grass Waterway, Rescinit Objection



March 20, 2019



BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Benton Hinesley Drain, Grass Waterway

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 **Benton Hinesley Drain, Grass Waterway** on **March 25, 2019** 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 **Benton Hinesley Drain, Grass Waterway**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **March 25, 2019** 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: Christine Altman
PRESIDENT

ATTEST: Lynette Mosbaugh
SECRETARY

OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD
 February 22, 2019

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **Benton Hinesley Regulated Drain Grass Waterway**.

FILED

APR 03 2019

Inman, Clarice Marjorie, Steven A Millikan, Terry B Mi
 24170 HINESLEY RD
 Sheridan, IN 46069

OFFICE OF HAMILTON COUNTY SURVEYOR

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Description of Land	Acres Benefitted	Damages	Reconst. Assmt.	% of Total	Maint. Assmt.
01-01-32-01-01-015.000 Residential/Ag					
S32 T20 R3 Pioneer Village Lot 1	1 Lot	Zero	\$270.10	0.12%	*
* No change in current maintenance assessment rates.					

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HAMILTON COUNTY DRAINAGE BOARD
 One Hamilton County Square, Ste. 188
 Noblesville, IN 46060-2230

For a copy of the Surveyor's Report to the Drainage Board and a copy of the map, if applicable, please go to www.hamiltoncounty.in.gov/drainageboardnotices.

OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD
 February 22, 2019

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **Benton Hinesley Regulated Drain Grass Waterway**.

FILED

APR 03 2019

Inman, Clarice Marjorie, Steven A Millikan, Terry B Mi
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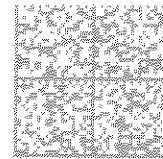
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AFTER FIVE DAYS RETURN TO
HAMILTON COUNTY DRAINAGE BOARD
 SUITE 188
 ONE HAMILTON COUNTY SQUARE
 NORTHERN CROSSING
 NORTHERN CROSSING, INDIANA 46060-2230

TEMP RET SERV REQ

PRESORTED FIRST CLASS



U.S. POSTAGE PITNEY BOWES
 ZIP 46241 \$ 000.38³
 02 4W
 0000362312 FEB 22 2019

RECEIVED

APR 03 2019

OFFICE OF THE
 CLERK OF COURTS
 HAMILTON COUNTY INDIANA

NIXIE 46206 03/24/2019

RETURN TO SENDER
 NOT DELIVERABLE AS ADDRESSED
 UNABLE TO FORWARD
 SORT IN MANUAL ONLY NO AUTOMATION
 BC: 5699899999

24 26/02 LRDPN58 46069
 5699899999

OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD

February 22, 2019 April 3, 2019

Notice of Hearing on Reconstruction & Schedule of Assessments and Damages on the **Benton Hinesley Regulated Drain Grass Waterway.**

Ownership change 3/25/19

Millikan, Terry B
Attn: Bradley J. Millikan
9284 W 500 S
Kempton, IN 46049

~~Inman, Clarice Marjorie, Steven A Millikan, Terry B Mi~~
24170 HINESLEY RD
Sheridan, IN 46069

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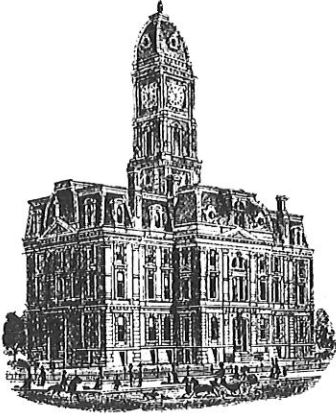
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HAMILTON COUNTY DRAINAGE BOARD
One Hamilton County Square, Ste. 188
Noblesville, IN 46060-2230

For a copy of the Surveyor's Report to the Drainage Board and a copy of the map, if applicable, please go to www.hamiltoncounty.in.gov/drainageboardnotices.



1204

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

March 12, 2020

RE: Benton Hinesley Grass Waterway - Final Report

This is the inspector's final report on Benton Hinesley Grass Waterway located in Section 29 of Township 20 North Range 3 East in Adams Township, Hamilton County, Indiana.

The Surveyor's Report for the Benton Hinesley Grass Waterway construction dated February 1, 2019 was presented to the Drainage Board and approved on March 25, 2019 (Hamilton County Drainage Board Minutes Book (Book) 18, Pages 389 - 397). The engineer's estimate was \$165,062.95. The bid was awarded to Van Horn Construction in the amount of \$132,990.34 on May 28, 2019 (Book 18 Page 430).

The Benton Hinesley Grass Waterway construction consisted of constructing 2,786 feet of grassed waterway, 1,717 feet of 8-inch perforated tile, one 40-foot arch pipe crossing, two 6-inch outlets, six 8-inch outlets, clearing of 0.2 acres of tree removal, one breather, 811 feet of filter strip on the west side of the Marion Adams Arm of the Banton Hinesley waterway. With the construction was the removal of two rows of existing 6-inch SSD on the Marion Adams Arm of the Benton Hinesley Drain.

There were two revisions to the design that were made by the engineer during construction. The first revision was to change the cross section of the ditch from a parabellum cross section to a trapezoidal cross section. This change was due to the constructability of the parabellum cross section. The second design change was to raise the flowline of the open ditch at station 13+50. This was needed due to a conflict with the 10-inch tile of Arm 3 to the Benton Hinesley Drain. The slope of the open ditch was flattened to 0.15% until the grade converged with the designed grade at station 19+75.

There were 7 change orders on this project for additional work or field revisions on the project as allowed by IC 36-9-27-80.5. Those change orders are as follows:

Change Order #1 was for dredging downstream of the original project area, riprap and 7 tile connections. Total cost of Change Order #1 was \$3,239.62 approved by the Board on August 12, 2019 (Book 18, Pages 555-556).

Change Order #1

19.94 tons riprap @ \$48.00 -----	\$957.12
2.5-yard excavator 7.5 hours @ \$195.00 -----	\$1,462.50
4" tile connection 1 @ \$100.00 -----	\$100.00
6" tile connections 6 @ \$120.00 -----	\$720.00
Cost by Van Horn Excavating of Change Order # 1 -----	\$3,239.62

Change Order #2 was for additional dredging of the open ditch downstream of the grass waterway project, additional rip rap and erosion control blanket needed for the for transition at the grade change needed for in field changes and for the repair of a 10-inch private tile encountered during the construction of the grass waterway. Total cost of Change Order #2 was \$8,296.66 approved by the Board on August 26, 2019 (Book 18, Page 575).

Change Order #2

101 tons riprap @ \$48.00 -----	\$4,865.16
5 hours 2.5 yd excavator @ \$161.00 -----	\$805.00
5 hours 1.5 yd excavator @ \$146.00 -----	\$730.00
5 hours skid steer @ \$76.00 -----	\$380.00
Labor 15 hours @ \$28.00 -----	\$420.00
Operator 15 hours @ \$34.00 -----	\$510.00
Erosion Control Blanket 165 sq. yds. @ \$1.50 -----	\$247.50
Tile repair – 80lb bag concrete 1 @ \$8.00 -----	\$8.00
Labor 4 hours @ \$28.00 -----	\$112.00
1 hour 1.5 yd excavator @ \$146.00 -----	\$146.00
Operator 1 hours @ \$34.00 -----	\$34.00
10" HDPE 4 ft @ \$12.00 -----	\$48.00
Cost by Van Horn Excavating of Change Order # 2 -----	\$8,296.66

Change Order #3 was for additional work at the transition at the grade change needed for in field change during the construction of the grass waterway. Total cost of Change Order #3 was \$2,670.00 approved by the Board on September 9, 2019 (Book 18, Page 580).

Change Order #3

7.5 hours 1.5 yd excavator @ \$146.00 -----	\$1,095.00
7.5 hours bulldozer @ \$86.00 -----	\$645.00
5 hours skid steer @ \$76.00 -----	\$228.00
18 hours Operator @ \$34.00 -----	\$612.00
Labor 4 hours @ \$28.00 -----	\$112.00
Cost by Van Horn Excavating of Change Order # 3 -----	\$2,670.00

Change Order #4 was for replacement of the existing clay tile with HDPE pipe where it crosses under the new grass waterway. Total cost of Change Order #4 was \$2,441.70 approved by the Board on September 23, 2019 (Book 19, Pages 20-21).

Change Order #4

30 feet 24" HDPE @ \$25.29 -----	\$758.70
----------------------------------	----------

5 hours Excavator@ \$146.00 -----	\$730.00
2 Bobcat @ \$76.00 -----	\$152.00
7 hours Operator @ \$34.00 -----	\$238.00
15 hours labor @ \$28.00 -----	\$420.00
3 tons #8 stone @ \$29.00 -----	\$87.00
400 sq. feet straw mat @ \$0.10 -----	\$40.00
Concrete mix 2 bags @ \$8.00 -----	\$16.00
Cost by Van Horn Excavating of Change Order #4 -----	\$2,441.70

Change Order #5 is for repair of holes along the existing tile. These small holes were encountered during the construction of the grass waterway. This change order also includes work done by Fluid Waste Services to remove tree roots in the existing tile. The tree roots were discovered during the construction of the grass waterway. Total cost of Change Order #5 was \$3,535.50 approved by the Board on October 14, 2019 (Book 19, Pages 33).

Change Order #5

8 hours Excavator@ \$146.00 -----	\$1,168.00
8 hours Operator @ \$34.00 -----	\$272.00
16 hours labor @ \$28.00 -----	\$448.00
Cost by Van Horn Excavating of Change Order #5 -----	\$1,888.00

8.5 hours Jet/Vac Services @ \$175.00 -----	\$1,487.50
18" Root Cut tools/blades \$160.00 -----	\$160.00
Cost by Fluid Waste Services of Change Order #5 -----	\$1,647.50

Total Cost Change Order #5 -----	\$3,535.50
----------------------------------	------------

Change Order #6 is for private tile outlets which were been encountered and for erosion control blanket installed at surface water notches cut in spoil banks. Total cost of Change Order #6 was \$2,674.72 approved by the Board on November 25, 2019 (Book 19, Pages 69-70).

Change Order #6

366 Yds Erosion Control Blanket @ \$1.50 -----	\$549.00
8" SDR35 - 42 ft@ \$10.90 -----	\$457.80
6" SDR35 - 14 ft@ \$8.90 -----	\$124.00
6" HDPE - 10 ft@ \$8.00 -----	\$80.00
6" HDPE - 1 Tee@ \$52.00 -----	\$52.00
8" Animal Guard 3@ \$21.95 -----	\$65.85
6" Animal Guard 1@ \$17.47 -----	\$17.47
6 Hours Mini Excavator @ \$76.00 -----	\$456.00
2 Hours Bobcat @ \$76.00 -----	\$152.00
8 hours Operator @ \$34.00 -----	\$272.00
16 hours labor @ \$28.00 -----	\$448.00
Cost by Van Horn Excavating of Change Order #6 -----	\$2,674.72

Change Order #7 is for private tile outlets which have been encountered, for erosion control blanket installed at surface water notches cut in spoil banks, to delete 260 feet of 6' SSD and delete 0.20 acres of clearing which was not needed. Total cost of Change Order #7 was \$4,164.78 approved by the Board on December 9, 2019 (Book 19, Pages 78-79).

Change Order #7

Delete 260 Feet of 8" HDPE @ \$12.50 -----	-\$3,250.00
Delete 0.2 Acres Tree Clearing @ \$11,250 per acre -----	-\$2,250.00
6" SDR35 - 14 ft@ \$8.90 -----	\$124.00
8" SDR35 - 42 ft@ \$10.90 -----	\$457.80
6" HDPE - 6 ft@ \$8.00 -----	\$48.00
Concrete - 1 Bag@ \$8.00 -----	\$8.00
6" Animal Guard 1@ \$17.47 -----	\$17.47
8" Animal Guard 3@ \$21.95 -----	\$65.85
3 Hours Mini Excavator @ \$76.00 -----	\$228.00
3 hours Operator @ \$34.00 -----	\$102.00
3 hours labor @ \$28.00 -----	\$84.00
<u>Erosion Control Blanket 133 Yards @ \$1.50 -----</u>	<u>\$199.50</u>
Cost by Van Horn Excavating of Change Order #7 -----	-\$4,164.78

Van Horn Excavating final costs for the reconstruction are as follows:

Contractor's Bid -----	\$132,990.34
Change Order #1 Total -----	\$3,239.62
Change Order #2 Total -----	\$8,296.66
Change Order #3 Total -----	\$2,670.00
Change Order #4 Total -----	\$2,441.70
Change Order #5 Total (Van Horn) -----	\$1,888.00
Change Order #6 Total -----	\$2,674.72
<u>Change Order #7 Total -----</u>	<u>-\$4,164.78</u>
Reconstruction Cost by Van Horn Excavating -----	\$150,036.26

Total Reconstruction Cost

Van Horn Excavating -----	\$150,036.26
Fluid Waste Services -----	\$1,647.50
Banning Engineering -----	\$23,525.00
<u>Easement Acquisition -----</u>	<u>\$33,825.00</u>
Total Reconstruction Cost -----	\$209,033.76

Amount Approved by the Board -----	\$223,662.95
<u>Total Reconstruction Cost -----</u>	<u>\$209,033.76</u>
Difference -----	\$14,629.19

At the March 25, 2019 hearing the reconstruction rates were estimated at \$270.10 per acre and minimum for Residential/Ag properties and \$540.20 per acre and minimum for Commercial properties & roads. This was based on a cost estimate of \$223,667.36. The final cost was \$209,033.76. At the January 27th, 2020 Drainage Board meeting the Board certified the reduced assessments to \$252.75 per acre and minimum for Residential/Ag properties and \$505.50 per acre and minimum for Commercial properties & roads. The revised certified assessment roll will create a total collection of \$209,040.94.

Partial Pay Requests for this project submitted and paid as allowed in IC 36-9-27-81 are as follows:

	Date Requested	Date Paid	Billed	Retained	Paid
Pay Request #1	08/13/19	08/27/19	\$27,139.62	\$4,070.94	\$23,068.68
Pay Request #2	08/18/19	09/10/19	\$21,820.66	\$3,273.10	\$18,547.56

Pay Request #3	09/03/19	09/24/19	\$2,670.00	\$400.50	\$2,269.50
Pay Request #4	09/16/19	10/15/19	\$28,266.70	\$4,240.00	\$24,026.69
Pay Request #5	10/07/19	10/29/19	\$24,792.00	\$3,718.80	\$21,073.20
Pay Request #6	10/21/19	11/13/19	\$19,477.22	\$2,921.58	\$16,555.64
Pay Request #7	11/04/19	11/26/19	\$8,980.00	\$1,347.00	\$7,633.00
Pay Request #8	11/18/19	12/10/19	\$11,064.85	\$1,659.73	\$9,405.12
Pay Request #9	12/02/19	12/20/19	\$5,825.22	\$873.78	\$4,951.44
Retainage	12/02/19	03/10/20			\$22,505.43
Van Horn Excavating Totals:			\$150,036.26		\$150,036.26

Statement of All Incurred Expenses Paid signed by the contractor as required in IC 36-9-27-82(b) was received on December 2, 2019 notifying the Board that all expenses incurred for labor and materials have been paid in full. The as-builts indicated that their work was completed and acceptable.

The engineering design, plans, construction staking and as-built (record) drawings were prepared by Banning Engineering. The as-built drawings are attached.

As of February 13, 2020, I hereby attest to and agree that the reconstruction was installed according to the specified plans and change orders and have approved such work under IC 36-9-27-82(a). All inspections have been completed. Final inspection was on November 26, 2019.

I recommend the Board approve the reconstruction as complete and acceptable.

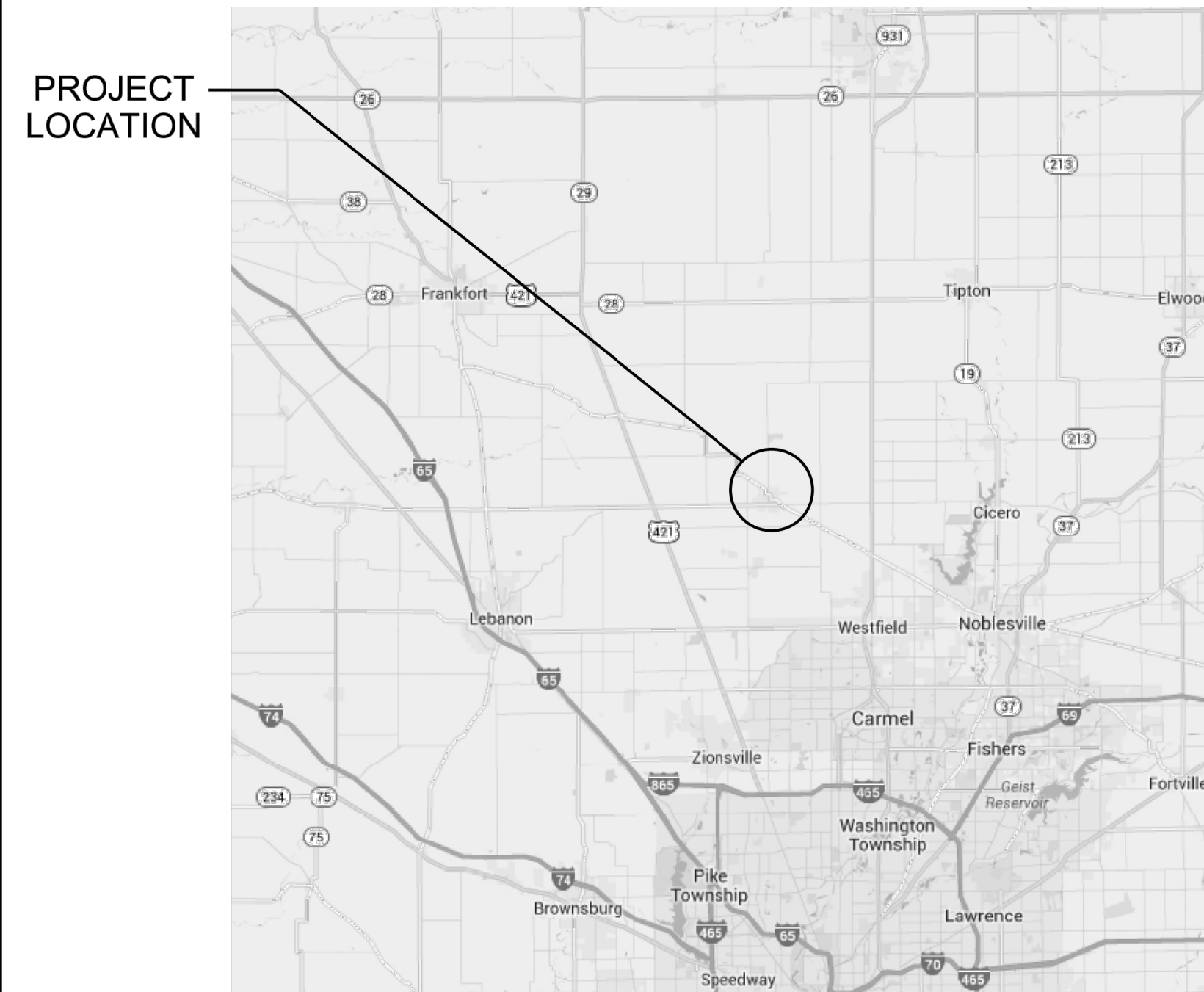
Respectfully,



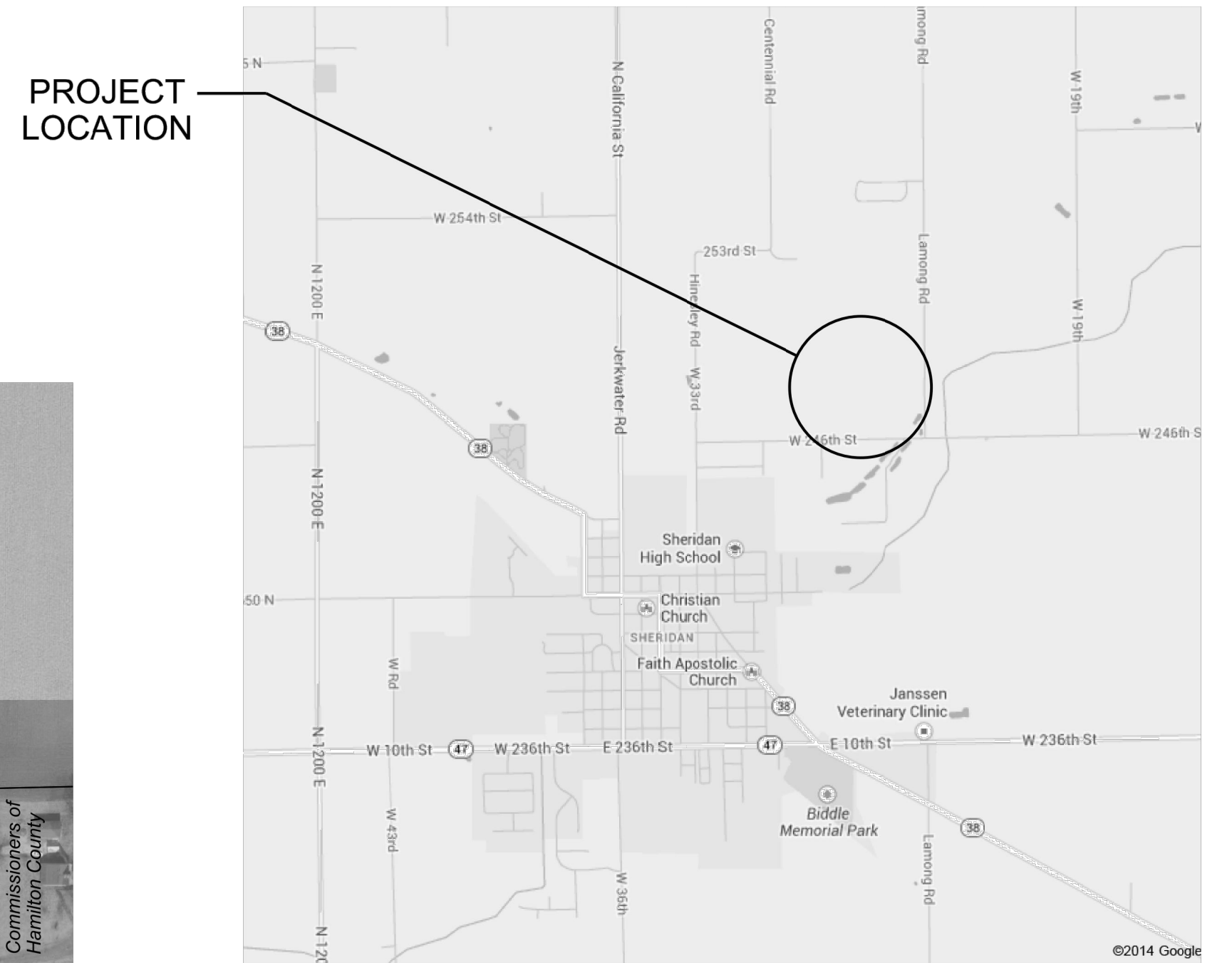
Andrew Conover
Inspector

BENTON HINESLEY - GRASSED WATERWAY

SE 1/4, SEC. 29-T20N-R3E, ADAMS TOWNSHIP, HAMILTON COUNTY, INDIANA



VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

PLANS PREPARED FOR:
HAMILTON COUNTY DRAINAGE BOARD
1 HAMILTON COUNTY SQUARE, SUITE 188
NOBLESVILLE, IN 46060
PHONE: 317-776-9626
FAX: 317-776-9628
CONTACT: KENTON WARD



SITE MAP
1"=200'

OPERATING AUTHORITIES

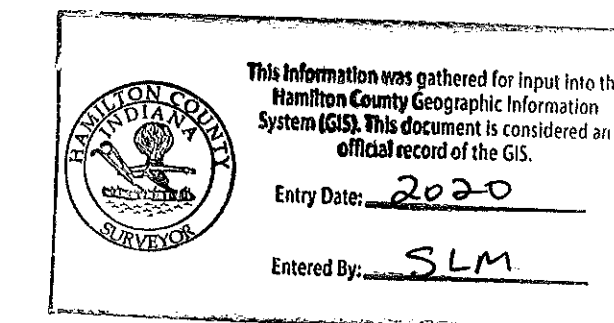
GAS Vectren 16000 Allisonville Road Noblesville, IN 46061 317-776-5534	STORM Hamilton County Square Suite 188 Noblesville, IN 46060 317-776-8495	WATER Sheridan Waterworks 506 S Main Street Sheridan, IN 46069 317-758-5326
ELECTRIC Duke Energy 390 N Main Street Martinsville, IN 46151 765-349-4012	STREET Sheridan Street Department 507 E 2nd Street Sheridan, IN 46069 317-758-1323	SANITARY Sheridan Wastewater Treatment Plant 801 E 2nd Street Sheridan, IN 46069 317-758-5293
TELEPHONE AT & T - Distribution 5858 N College Avenue Indianapolis, IN 46220 317-252-4007	SCHOOL DISTRICT Sheridan Community Schools 24795 N Hinesley Road Sheridan, IN 46069 317-758-4172	FIRE DEPARTMENT 508 S Main Street Sheridan, IN 46069 Sheridan Fire Department 317-758-4561
HIGHWAY DEPARTMENT Hamilton County Highway Department 1700 S 10th Street Noblesville, IN 46060 317-773-7770		

PLANS PREPARED BY:
BANNING ENGINEERING
853 COLUMBIA ROAD, SUITE #101
PLAINFIELD, IN 46168
BUS: (317) 707-3700, FAX: (317) 707-3800
E-MAIL: Banning@BanningEngineering.com
WEB: www.BanningEngineering.com
CONTACT: JOSEPH L. MILLER

Certificate of Survey

I hereby state that the record information provided herein is true and correct to the best of my knowledge and belief and was collected under my supervision with the field data completed on January 23, 2020. The record information pertains to the location and elevation of the storm sewer structures. The elevations on top of casting of the structures and their accompanying pipe inverts are accurate to within 0.05 feet and were gathered using a total station applying standard radial surveying techniques. The record locations of the subsurface drain laterals were located as marked by those responsible for construction of said sewer and are subject to the accuracy of the markings provided.

(Signature)
Joseph L. Miller
Registered Professional Engineer - PE10403481
State of Indiana



CERTIFIED BY: _____

SHEET INDEX	
SHEET NO	DESCRIPTION
C100	TITLE SHEET
C101	OVERALL PLAN
C102 - C108	PLAN AND PROFILES
C201 - C204	CROSS SECTIONS

REVISIONS		
NUMBER	DESCRIPTION	DATE
	ADDED PRIVATE CROSSING	12-05-17
	ADDED WETLANDS	07-08-19

RECORD DRAWING

Date: 05-08-17
Project No: 11194BH
Sheet No: C100



EXISTING		PROPOSED	
—ST—	STORM SEWER	—SD—	SUB-SURFACE DRAIN TILE
—OH—	OVERHEAD UTILITIES	[Hatched Box]	FILTER STRIP
—LFO—	FIBER OPTIC	(10' / 20')	CROSS SECTION NUMBER OR DETAIL NUMBER
—G—	GAS LINE	(Circle with X)	SHEET FOUND
—W—	WATER MAIN		
—T—T—T—	GUARD RAIL		
—	FLOW LINE		
—X—	FENCE LINE		
—	FIELD TILE		
(Circle with M)	STORM MANHOLE		
(Circle with I)	STORM INLET		
(Circle with F)	FIRE HYDRANT		
(Circle with V)	WATER VALVE		
(Circle with M)	WATER METER		
(Circle with W)	WELL		
(Circle with L)	LIGHT POLE		
(Circle with U)	UTILITY POLE		
(Circle with G)	GUY WIRE		
(Circle with S)	SIGN		
(Circle with T)	TREE		
(Circle with MB)	MAIL BOX		
(Circle with TB)	TELEPHONE BOX		
(Circle with LD)	LEGAL DRAIN LOCATION		

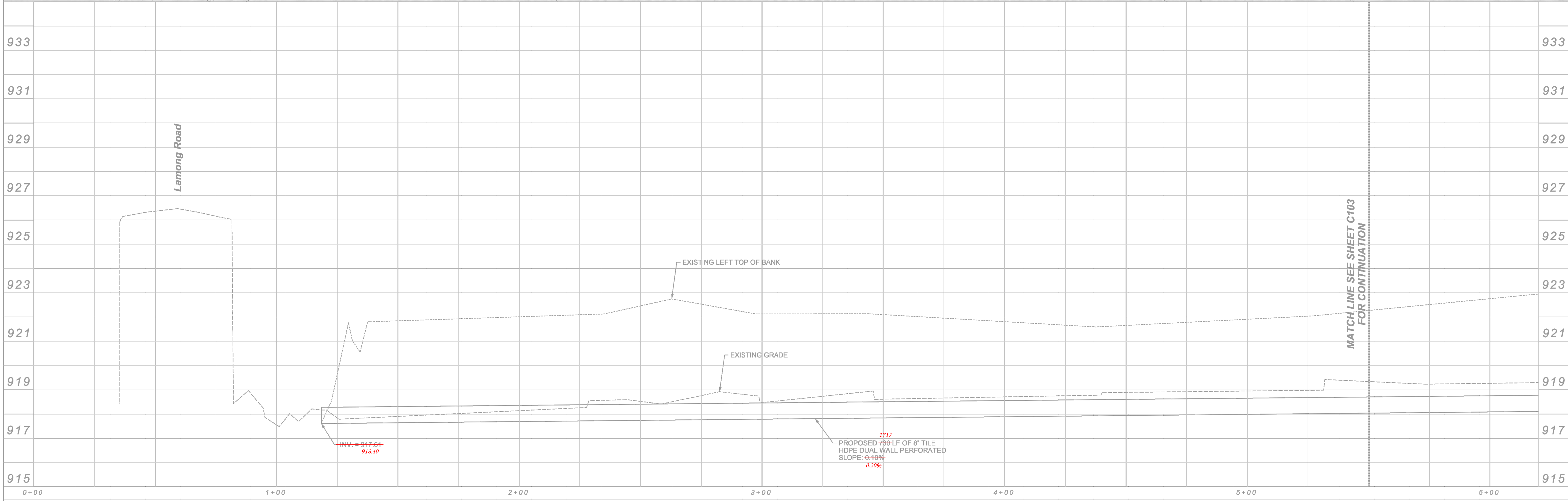


Date	Revisions
12-05-17	ADDED PRIVATE CROSSING
07-08-19	ADDED WETLANDS

Designed: JIM
 Drawn: SJH
 Checked:
 Scale: AS SHOWN
 Date: 05-08-17

PLAN & PROFILE STA 0+00 - 5+50.00
BENTON HINSLEY - GRASSED WATERWAY
ADAMS TOWNSHIP
HAMILTON COUNTY, INDIANA

RECORD DRAWING



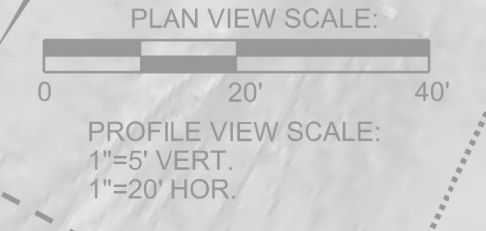
JOSEPH L. MILLER
 REGISTERED PROFESSIONAL ENGINEER
 No. PE10403481
 STATE OF INDIANA

BANNING ENGINEERING
 853 COLUMBIA ROAD, SUITE #101
 PLAINFIELD, IN 46168
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 WEB: www.BanningEngineering.com

Project No: 11194BH
 Sheet No: **C102**

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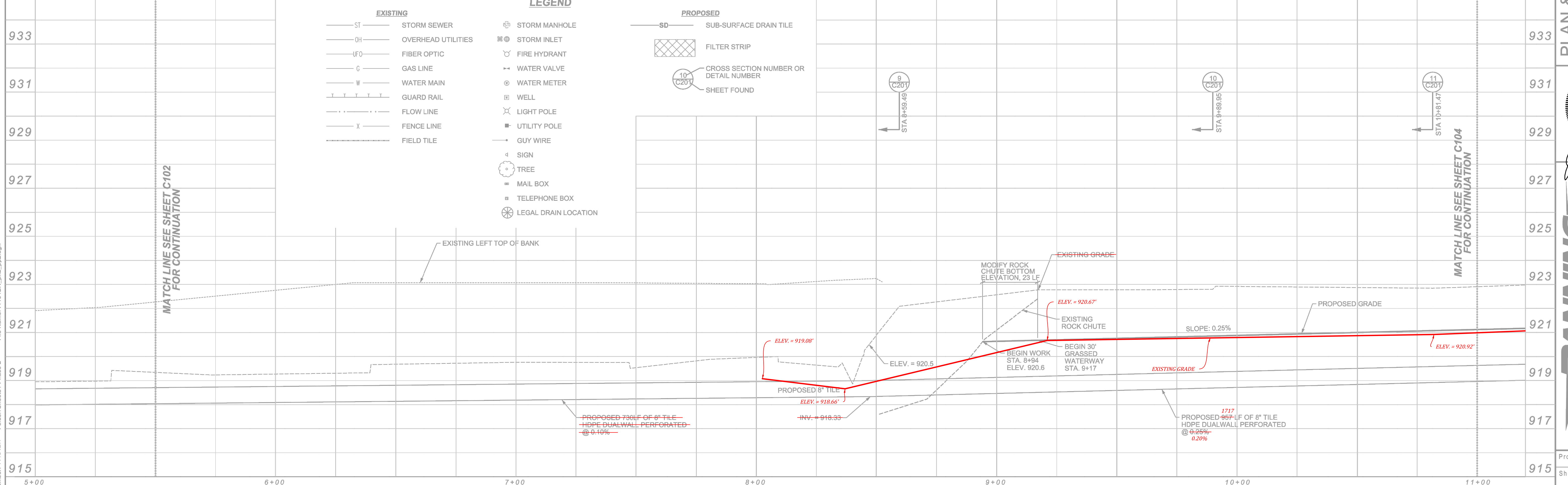
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Date	Revisions
12-05-17	ADDED PRIVATE CROSSING
07-08-19	ADDED WETLANDS

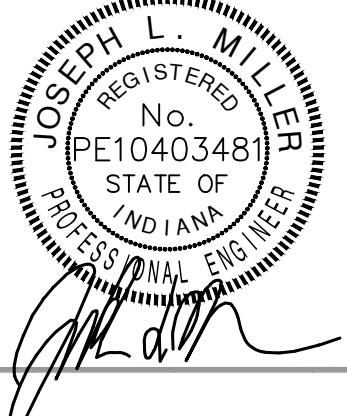
Sym.	Designed:	Drawn:	Checked:	Scale:	Date:
	JM	SJH		AS SHOWN	05-08-17

PLAN & PROFILE STA 5+50 - 11+00
BENTON HINSLEY - GRASSED WATERWAY
ADAMS TOWNSHIP
HAMILTON COUNTY, INDIANA



LEGEND

EXISTING		PROPOSED	
— ST —	STORM SEWER	— SD —	SUB-SURFACE DRAIN TILE
— OH —	OVERHEAD UTILITIES	[Hatched Box]	FILTER STRIP
— UF —	FIBER OPTIC	(C201)	CROSS SECTION NUMBER OR DETAIL NUMBER
— G —	GAS LINE	(X)	SHEET FOUND
— W —	WATER MAIN	⊕	STORM MANHOLE
— T —	GUARD RAIL	⊕	STORM INLET
— F —	FLOW LINE	⊕	FIRE HYDRANT
— X —	FENCE LINE	⊕	WATER VALVE
—	FIELD TILE	⊕	WATER METER
		⊕	WELL
		⊕	LIGHT POLE
		⊕	UTILITY POLE
		⊕	GUY WIRE
		⊕	SIGN
		⊕	TREE
		⊕	MAIL BOX
		⊕	TELEPHONE BOX
		⊕	LEGAL DRAIN LOCATION

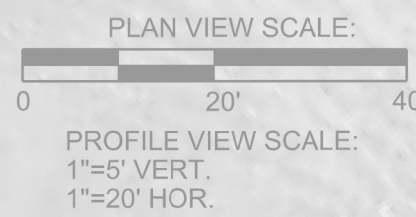


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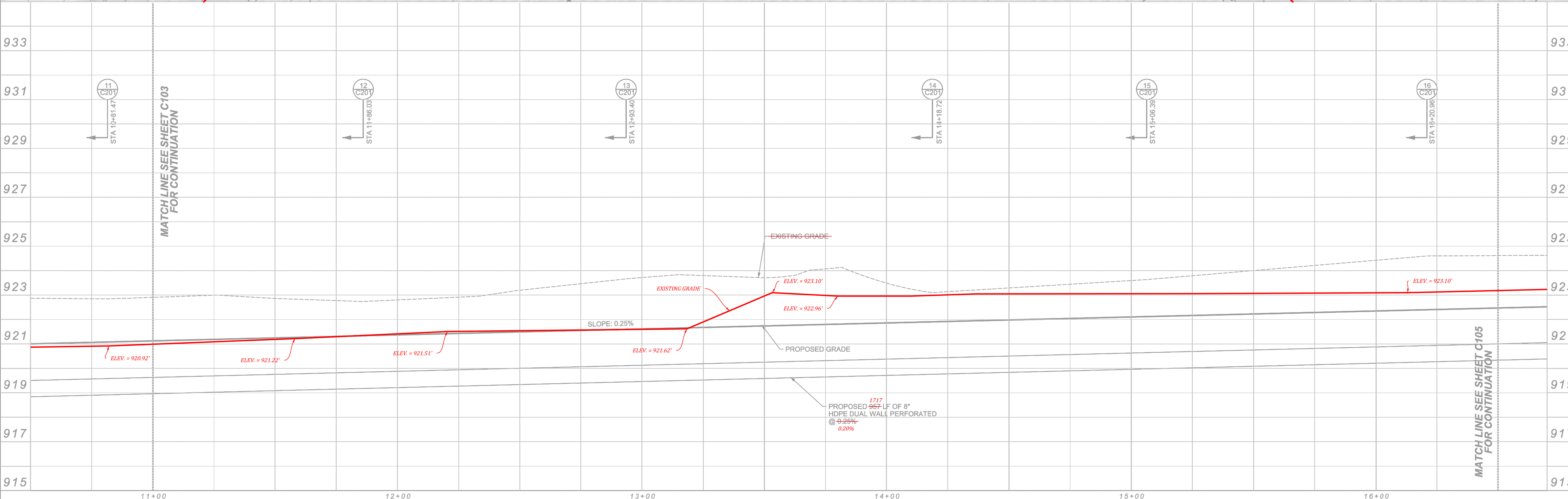
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 Sheet No: C103

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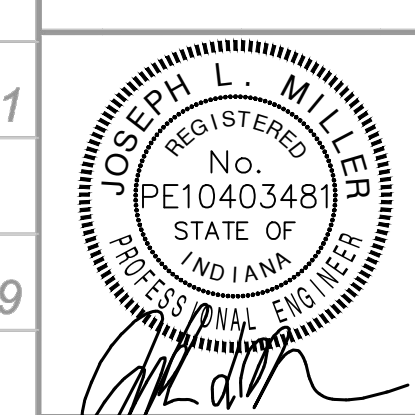
EXISTING		PROPOSED	
ST	STORM SEWER	SD	SUB-SURFACE DRAIN TILE
OH	OVERHEAD UTILITIES	[Cross-hatched]	FILTER STRIP
UFO	FIBER OPTIC	(10 C207)	CROSS SECTION NUMBER OR DETAIL NUMBER
G	GAS LINE	(10 C207)	SHEET FOUND
W	WATER MAIN		
[Dashed line]	GUARD RAIL		
[Dotted line]	FLOW LINE		
X	FENCE LINE		
[Dashed line]	FIELD TILE		
(M)	STORM MANHOLE		
(I)	STORM INLET		
(F)	FIRE HYDRANT		
(V)	WATER VALVE		
(M)	WATER METER		
(W)	WELL		
(L)	LIGHT POLE		
(U)	UTILITY POLE		
(G)	GUY WIRE		
(S)	SIGN		
(T)	TREE		
(M)	MAIL BOX		
(T)	TELEPHONE BOX		
(L)	LEGAL DRAIN LOCATION		



Date	Revisions
12-05-17	ADDED PRIVATE CROSSING
07-08-19	ADDED WETLANDS

Designed: JIM
 Drawn: SJH
 Checked:
 Scale: AS SHOWN
 Date: 05-08-17

PLAN & PROFILE STA 11+00 - 16+50
BENTON HINSLEY - GRASSED WATERWAY
ADAMS TOWNSHIP
HAMILTON COUNTY, INDIANA



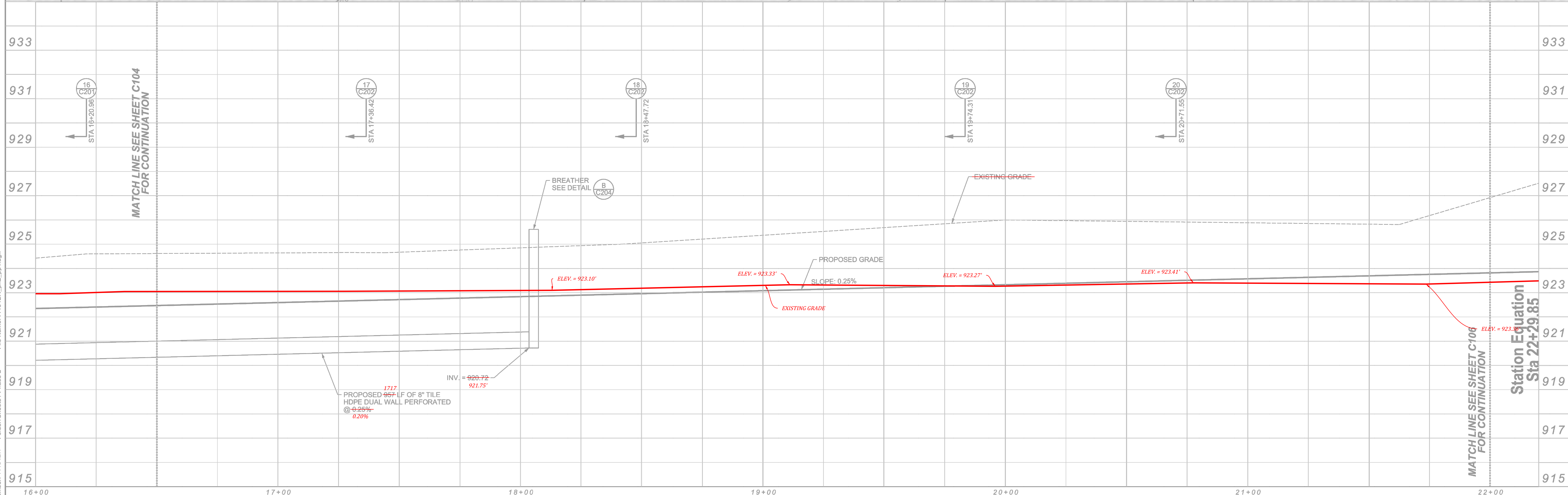
BANNING ENGINEERING
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 WEB: www.BanningEngineering.com

Project No:	11194BH
Sheet No:	C104

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 Folder: Sheets / Phase 2

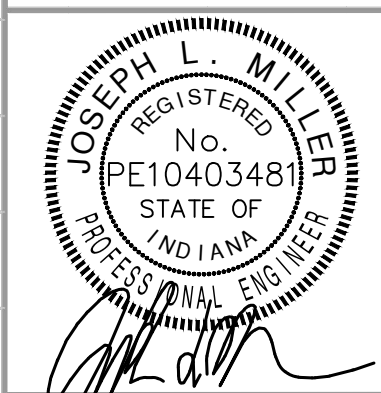


RECORD DRAWING



Date	12-05-17
Revisions	ADDED PRIVATE CROSSING ADDED WETLANDS
Sym.	
Designed:	JM
Drawn:	SJH
Checked:	
Scale:	AS SHOWN
Date:	05-08-17

PLAN & PROFILE STA 16+50 - 22+00
 BENTON HINSLEY - GRASSED WATERWAY
 ADAMS TOWNSHIP
 HAMILTON COUNTY, INDIANA

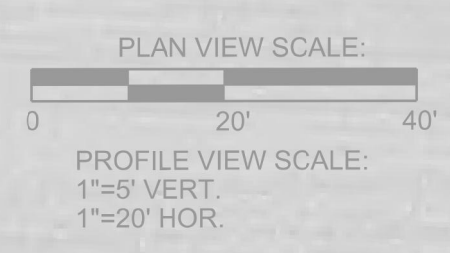
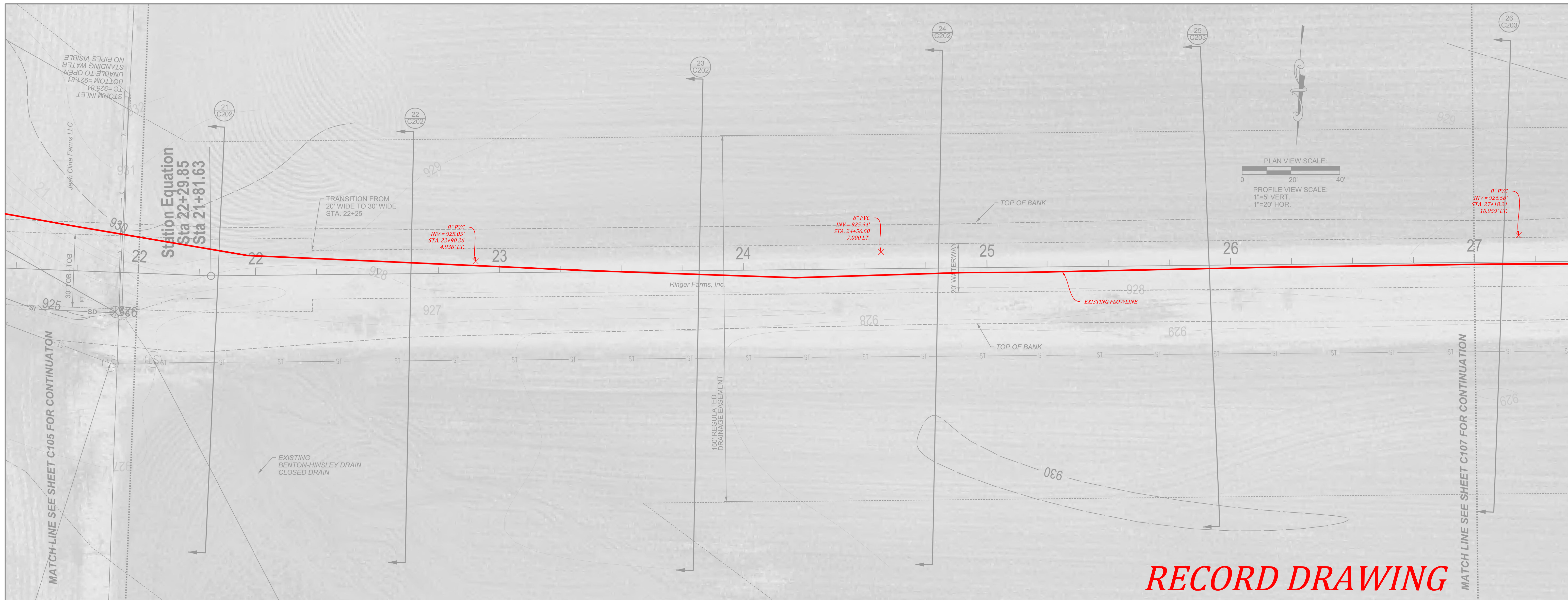


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 WEB: www.BanningEngineering.com

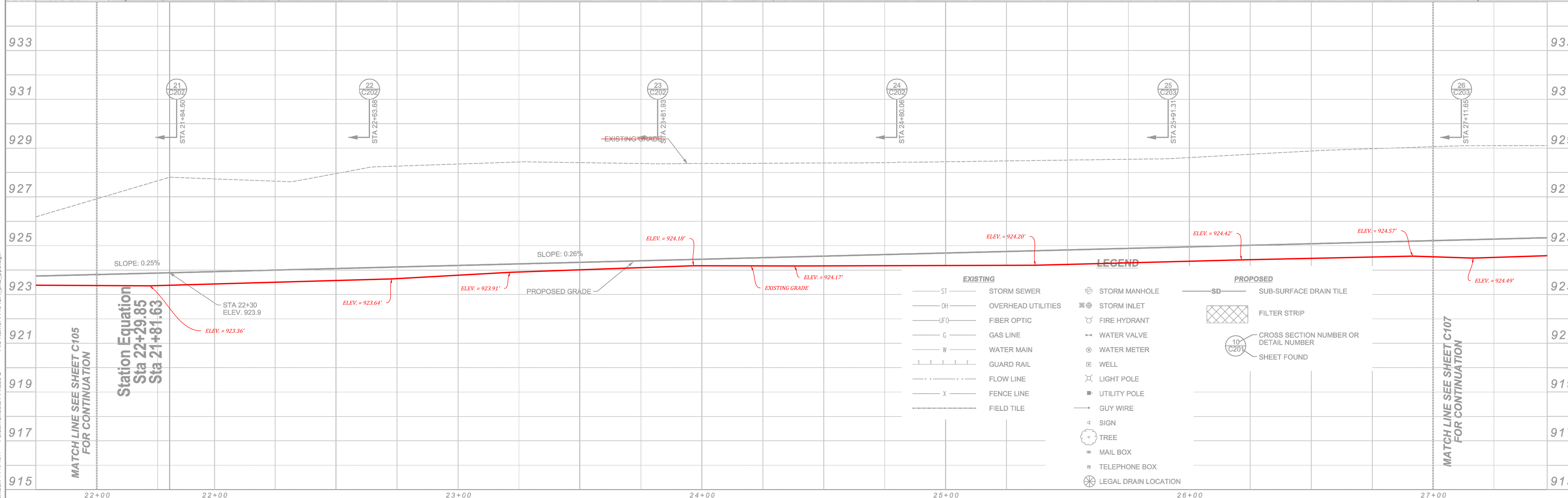
Project No: 11194BH
 Sheet No:

C105

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 Project Number: 11194BH
 Folder: Sheets / Phase 2
 File Name: 11194BH_002.dwg



RECORD DRAWING



EXISTING		PROPOSED	
ST	STORM SEWER	SD	SUB-SURFACE DRAIN TILE
OH	OVERHEAD UTILITIES	[Cross-hatched]	FILTER STRIP
FO	FIBER OPTIC	[Circle with '10']	CROSS SECTION NUMBER OR DETAIL NUMBER
G	GAS LINE	[Circle with '10']	SHEET FOUND
W	WATER MAIN		
[T-T-T-T]	GUARD RAIL		
[Dotted]	FLOW LINE		
X	FENCE LINE		
[Dashed]	FIELD TILE		
[Circle with 'M']	STORM MANHOLE		
[Circle with 'F']	FIRE HYDRANT		
[Circle with 'V']	WATER VALVE		
[Circle with 'M']	WATER METER		
[Circle]	WELL		
[Circle with 'L']	LIGHT POLE		
[Circle with 'U']	UTILITY POLE		
[Circle with 'G']	GUY WIRE		
[Circle with 'S']	SIGN		
[Circle with 'T']	TREE		
[Circle with 'M']	MAIL BOX		
[Circle with 'T']	TELEPHONE BOX		
[Circle with 'X']	LEGAL DRAIN LOCATION		

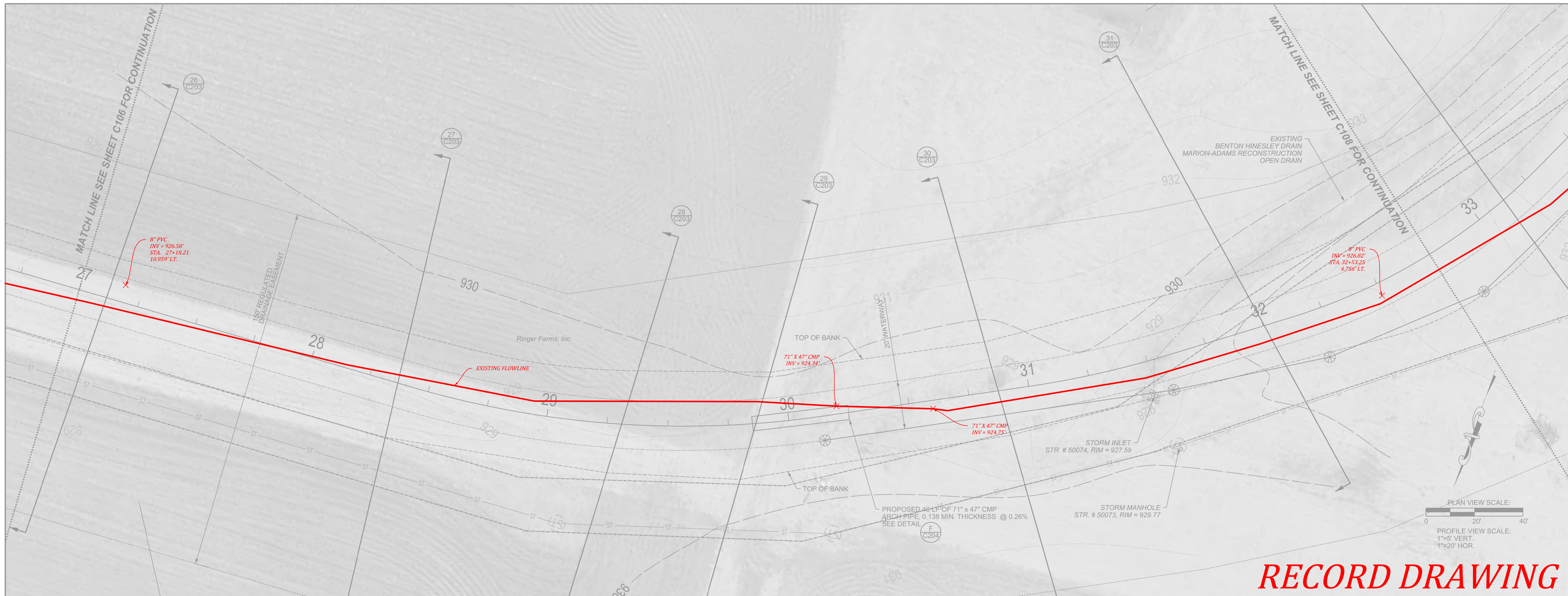
Date	12-05-17
Revisions	ADDED PRIVATE CROSSING ADDED WETLANDS
Sym.	
Designed:	JM
Drawn:	SJH
Checked:	
Scale:	AS SHOWN
Date:	05-08-17

PLAN & PROFILE STA 22+00 - 27+50
BENTON HINSLEY - GRASSED WATERWAY
ADAMS TOWNSHIP
HAMILTON COUNTY, INDIANA

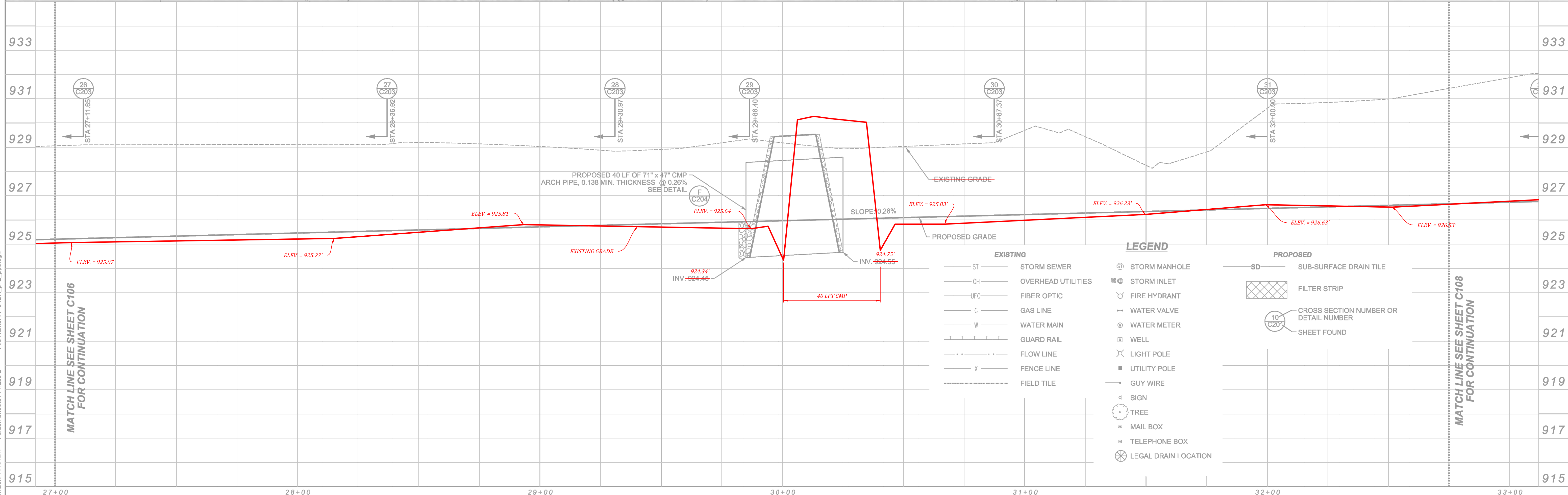
JOSEPH L. MILLER
 REGISTERED PROFESSIONAL ENGINEER
 No. PE10403481
 STATE OF INDIANA

BANNING ENGINEERING
 853 COLUMBIA ROAD, SUITE #101
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Project No: 11194BH
 Sheet No: C106



RECORD DRAWING

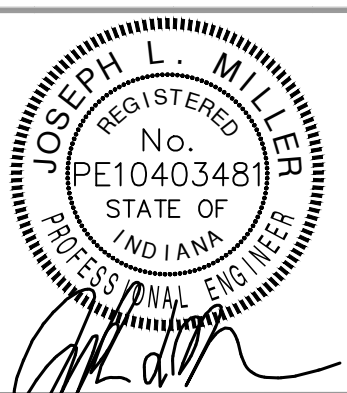


EXISTING		LEGEND	
ST	STORM SEWER	SM	STORM MANHOLE
OH	OVERHEAD UTILITIES	SI	STORM INLET
UFO	FIBER OPTIC	FH	FIRE HYDRANT
G	GAS LINE	WV	WATER VALVE
W	WATER MAIN	WM	WATER METER
	GUARD RAIL	W	WELL
---	FLOW LINE	LP	LIGHT POLE
X	FENCE LINE	UP	UTILITY POLE
---	FIELD TILE	S	SIGN
		T	TREE
		M	MAIL BOX
		TE	TELEPHONE BOX
		LD	LEGAL DRAIN LOCATION

PROPOSED	
SD	SUB-SURFACE DRAIN TILE
[Cross-hatched box]	FILTER STRIP
[Circle with number]	CROSS SECTION NUMBER OR DETAIL NUMBER
[Circle with 'F']	SHEET FOUND

Revisions	Date
ADDED PRIVATE CROSSING	12-05-17
ADDED WETLANDS	07-08-19

PLAN & PROFILE STA 27+50 - 33+00
 BENTON HINSLEY - GRASSED WATERWAY
 ADAMS TOWNSHIP
 HAMILTON COUNTY, INDIANA



BANNING ENGINEERING
 853 COLUMBIA ROAD, SUITE #101
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 WEB: www.BanningEngineering.com

Project No: 11194BH
 Sheet No:

C107

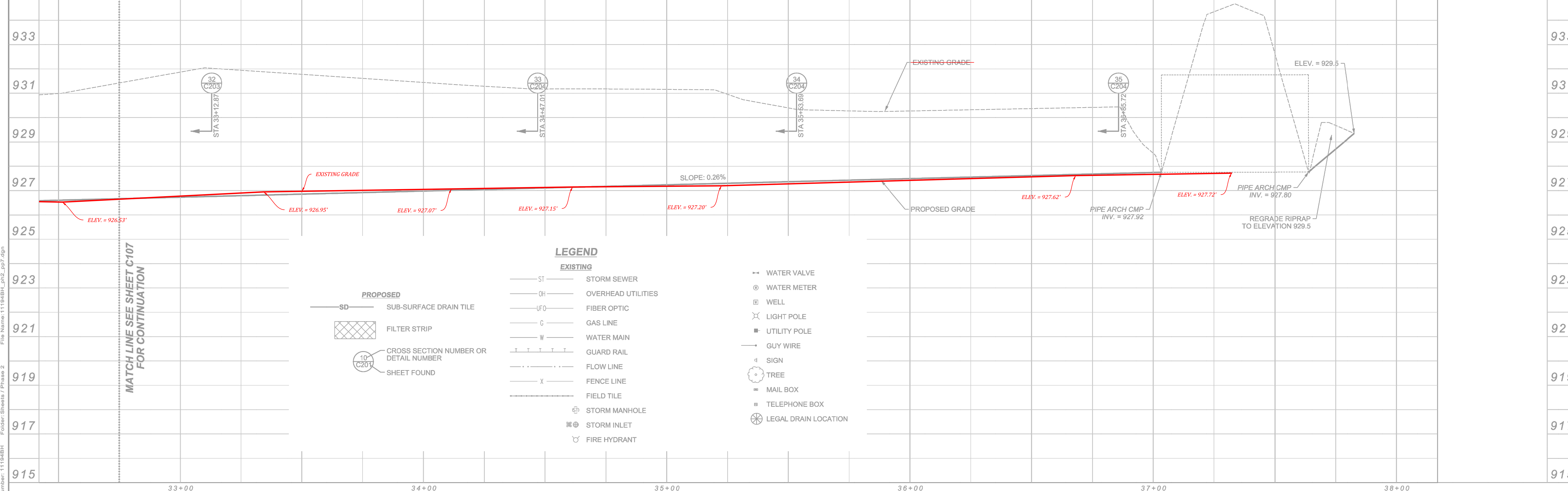
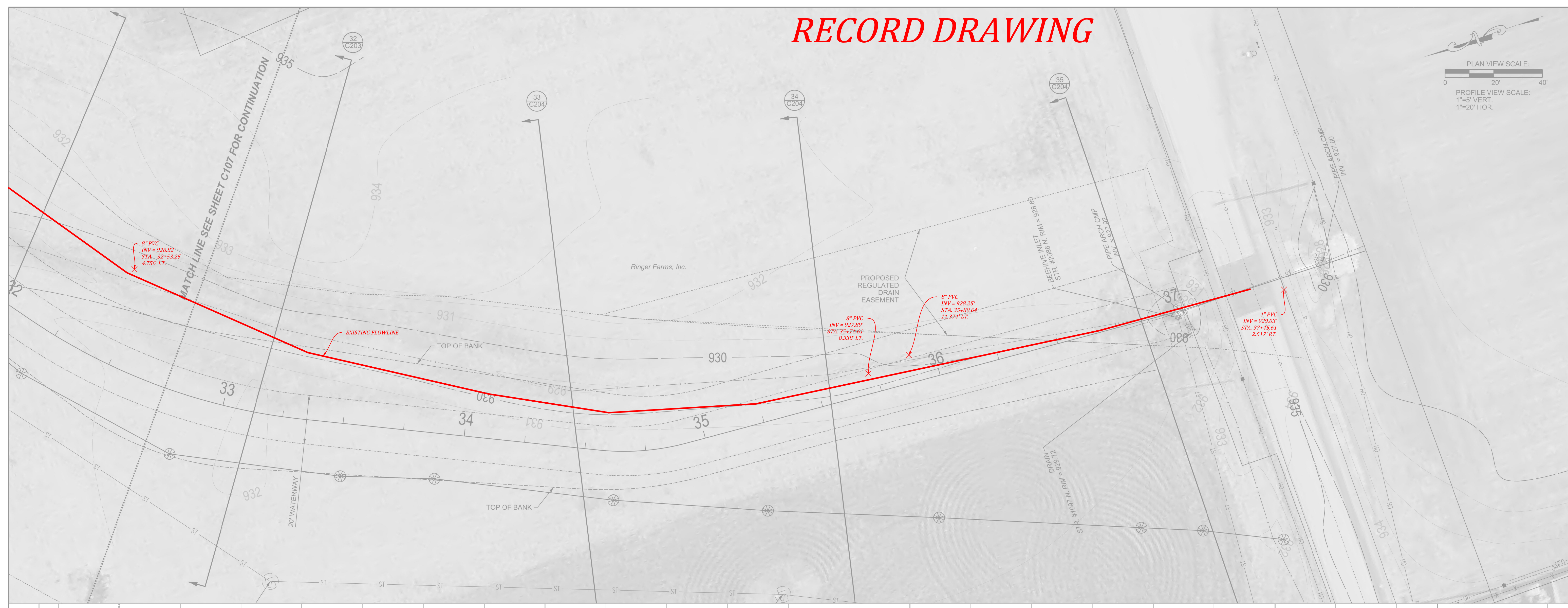
07/08/2019

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Folder: Sheets / Phase 2

File Name: 11194BH_002.dwg

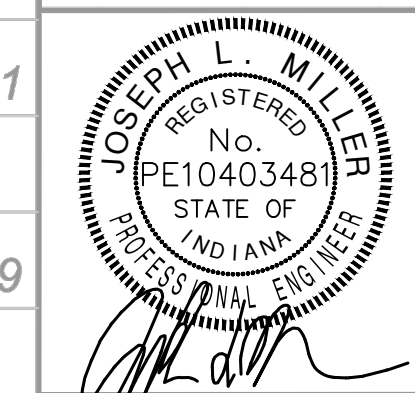
RECORD DRAWING



PROPOSED		EXISTING	
SD	SUB-SURFACE DRAIN TILE	ST	STORM SEWER
[Hatched Box]	FILTER STRIP	OH	OVERHEAD UTILITIES
[Circle with 10]	CROSS SECTION NUMBER OR DETAIL NUMBER	FO	FIBER OPTIC
[Circle with C201]	SHEET FOUND	G	GAS LINE
		W	WATER MAIN
		[Dashed Line]	GUARD RAIL
		[Dotted Line]	FLOW LINE
		X	FENCE LINE
		[Dashed Line]	FIELD TILE
		[Circle with M]	STORM MANHOLE
		[Circle with I]	STORM INLET
		[Circle with F]	FIRE HYDRANT
		[Circle with V]	WATER VALVE
		[Circle with M]	WATER METER
		[Circle]	WELL
		[Circle with X]	LIGHT POLE
		[Square]	UTILITY POLE
		[Line]	GUY WIRE
		[Circle]	SIGN
		[Circle]	TREE
		[Square]	MAIL BOX
		[Square]	TELEPHONE BOX
		[Circle]	LEGAL DRAIN LOCATION

Date	12-05-17
Revisions	ADDED PRIVATE CROSSING ADDED WETLANDS
Sym.	
Designed:	JM
Drawn:	SJH
Checked:	
Scale:	AS SHOWN
Date:	05-08-17

PLAN & PROFILE STA 33+00 - 38+54.28
BENTON HINSLEY - GRASSED WATERWAY
ADAMS TOWNSHIP
HAMILTON COUNTY, INDIANA

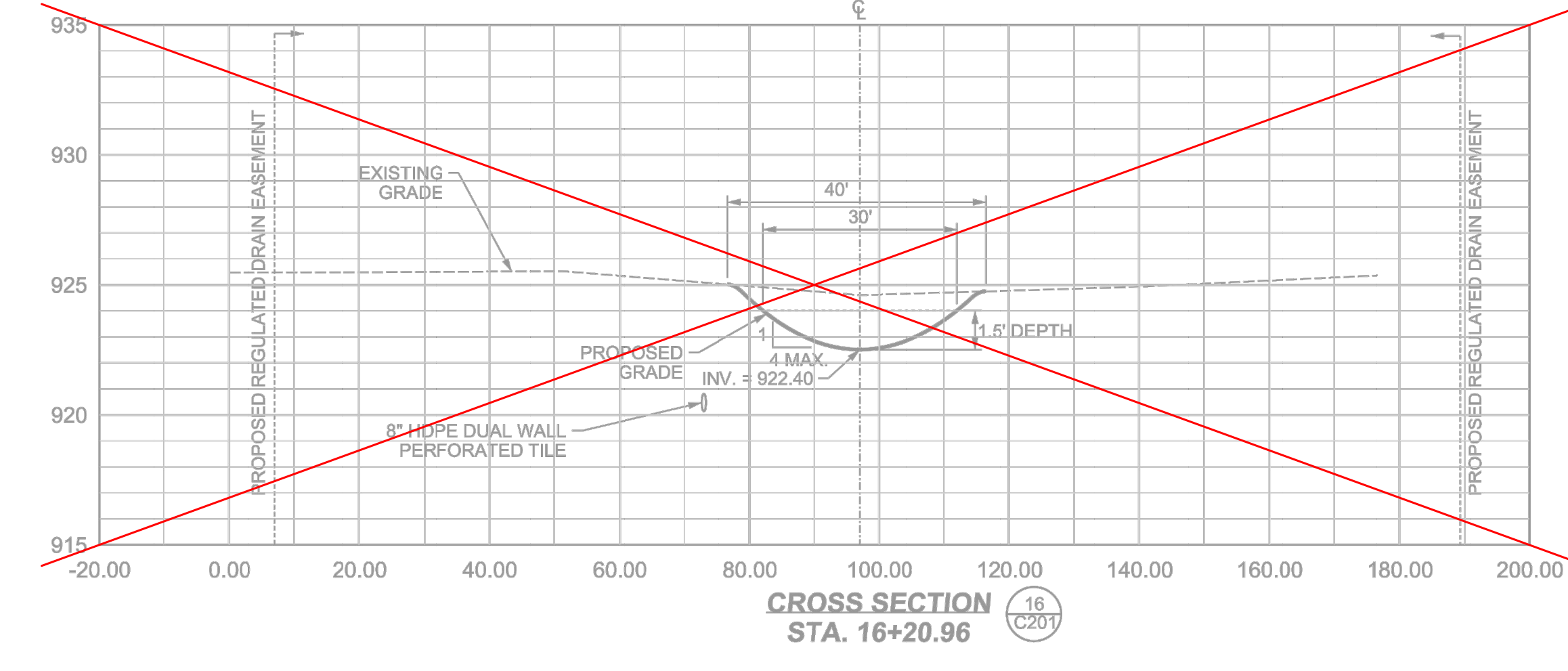
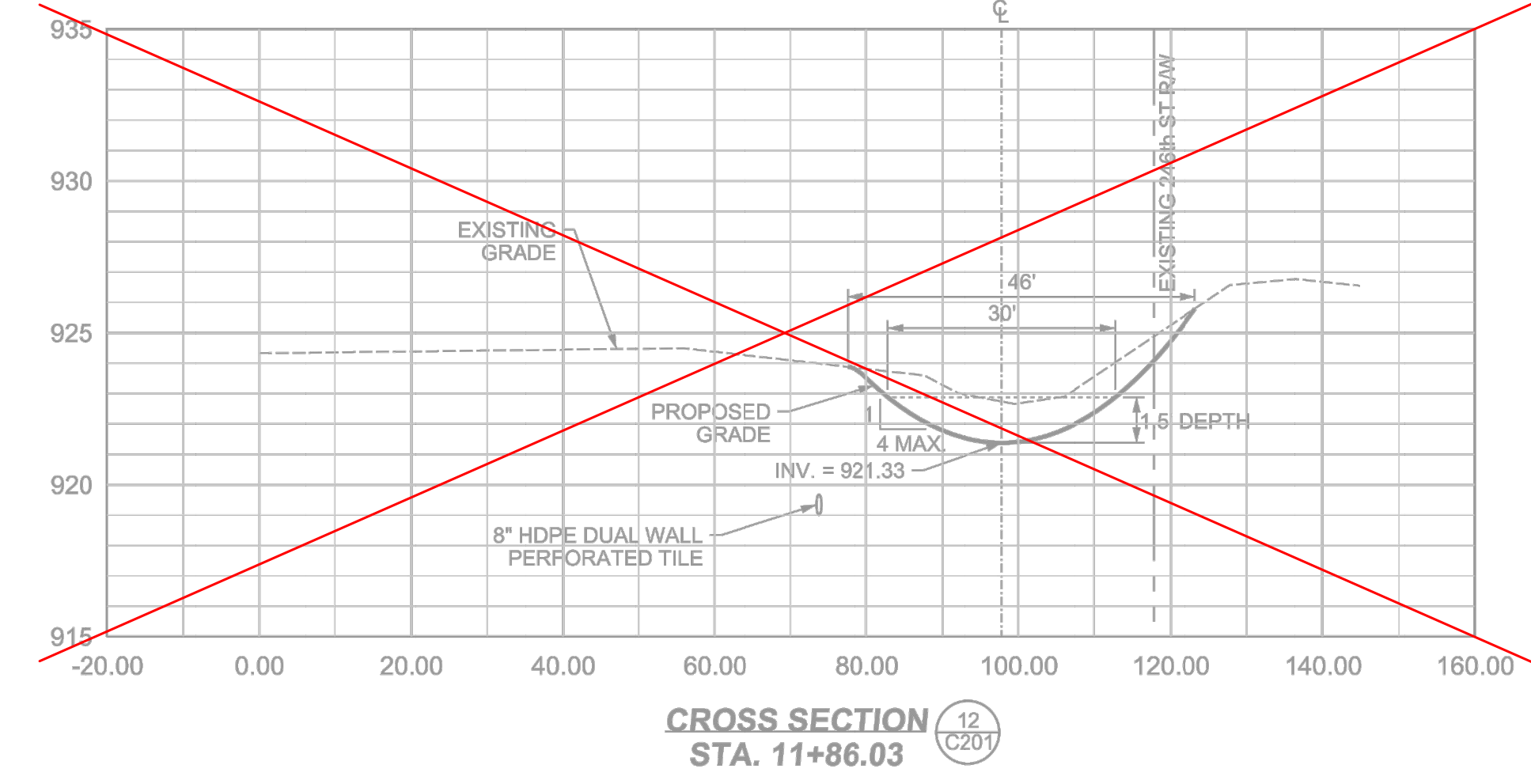
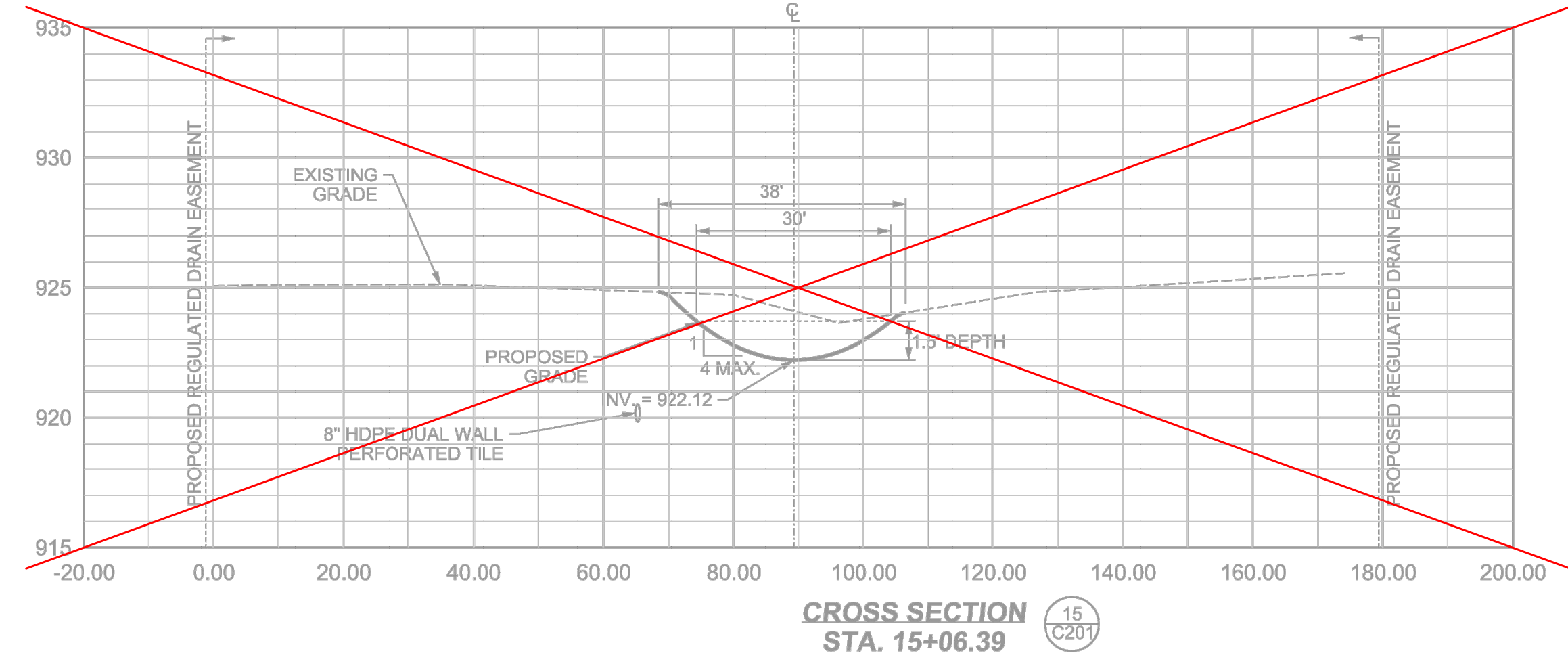
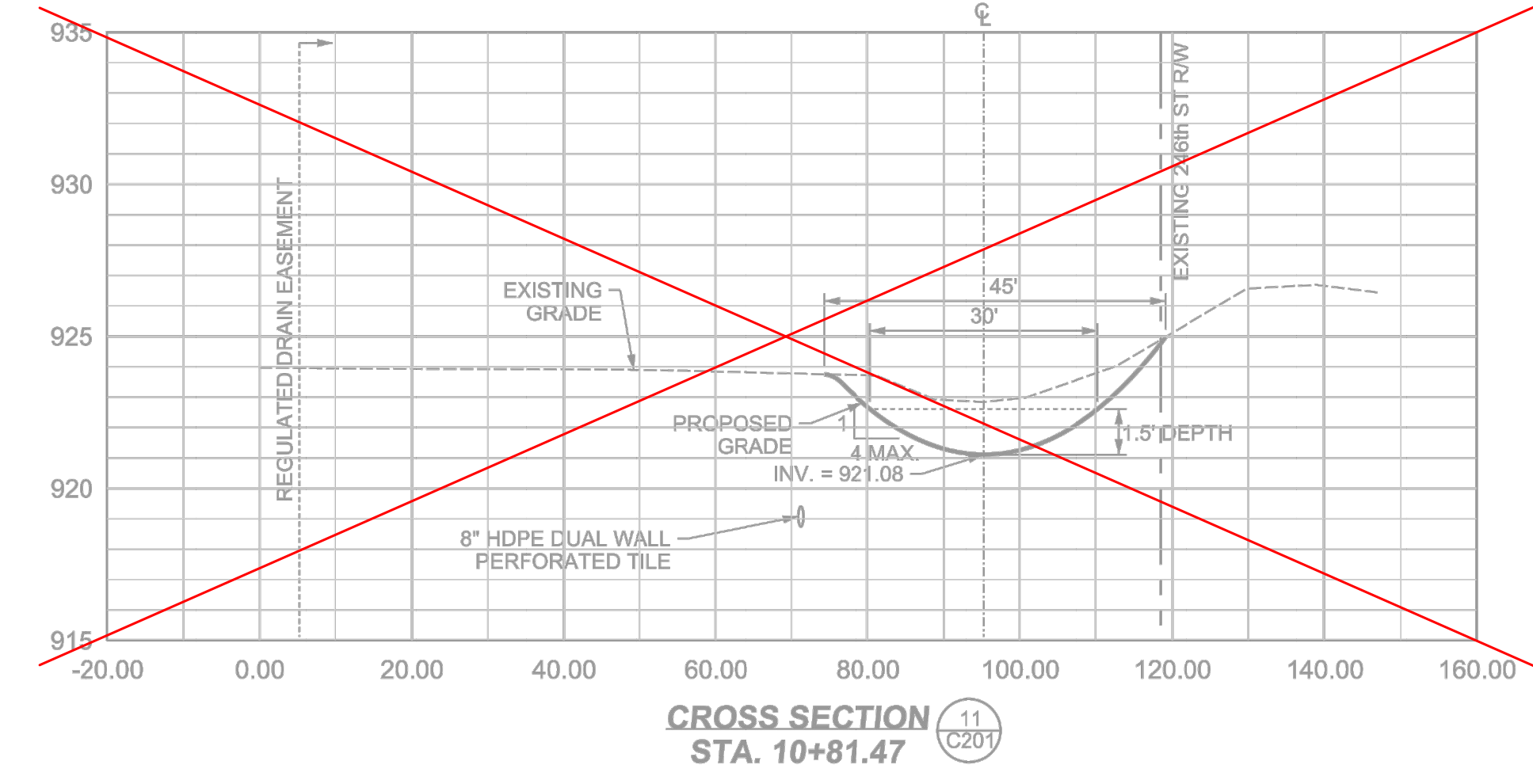
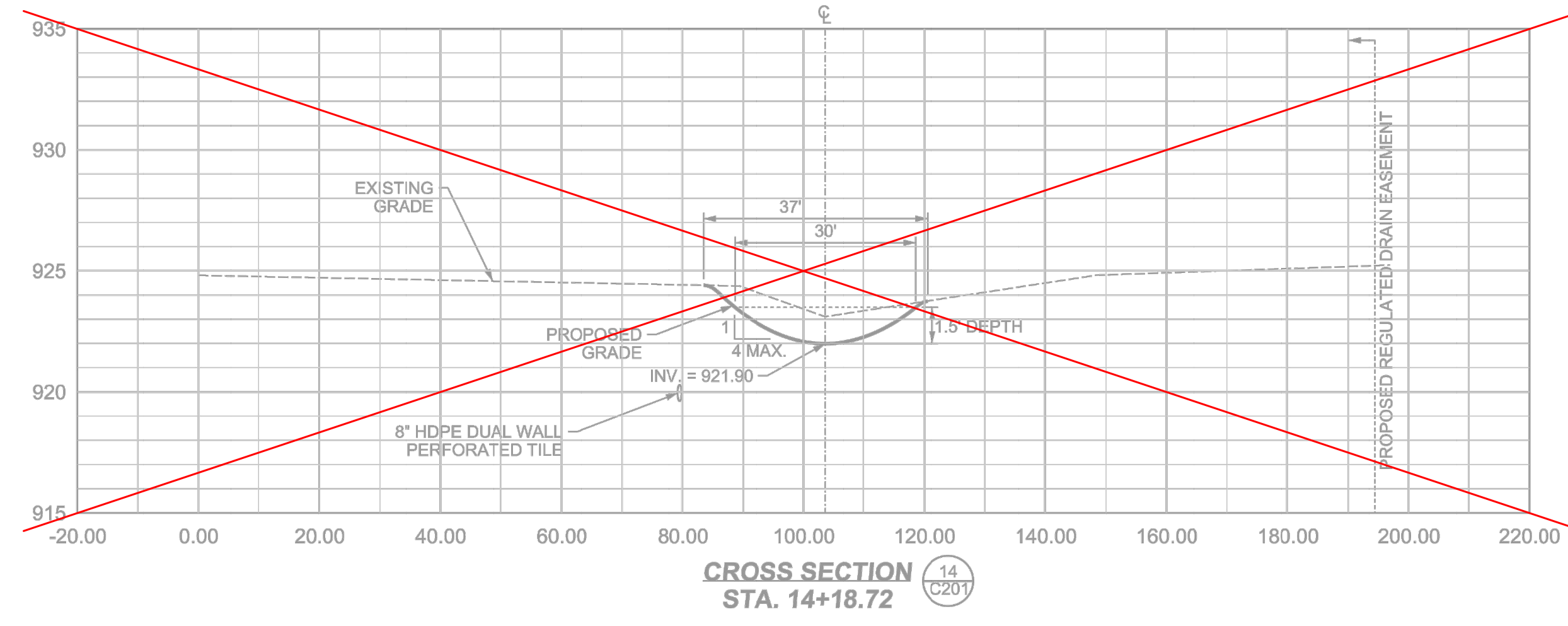
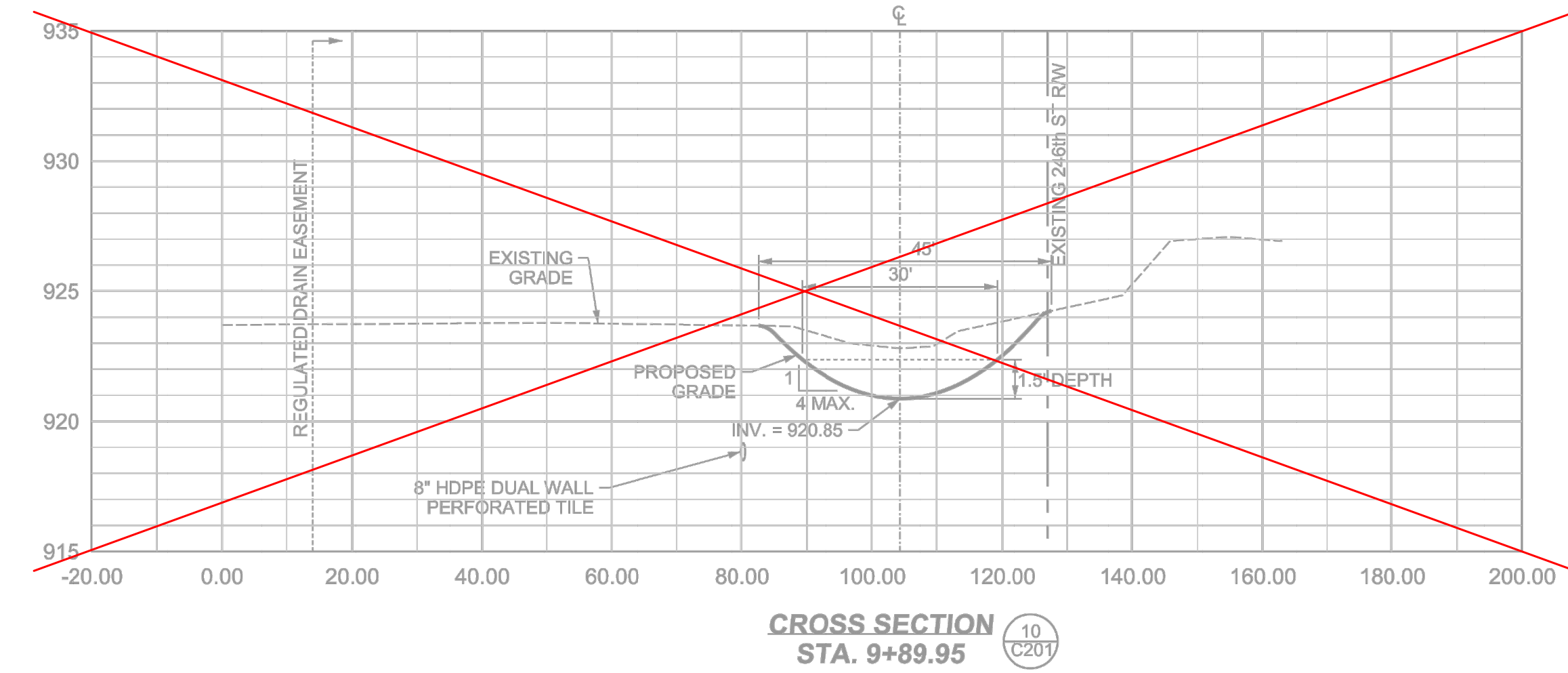
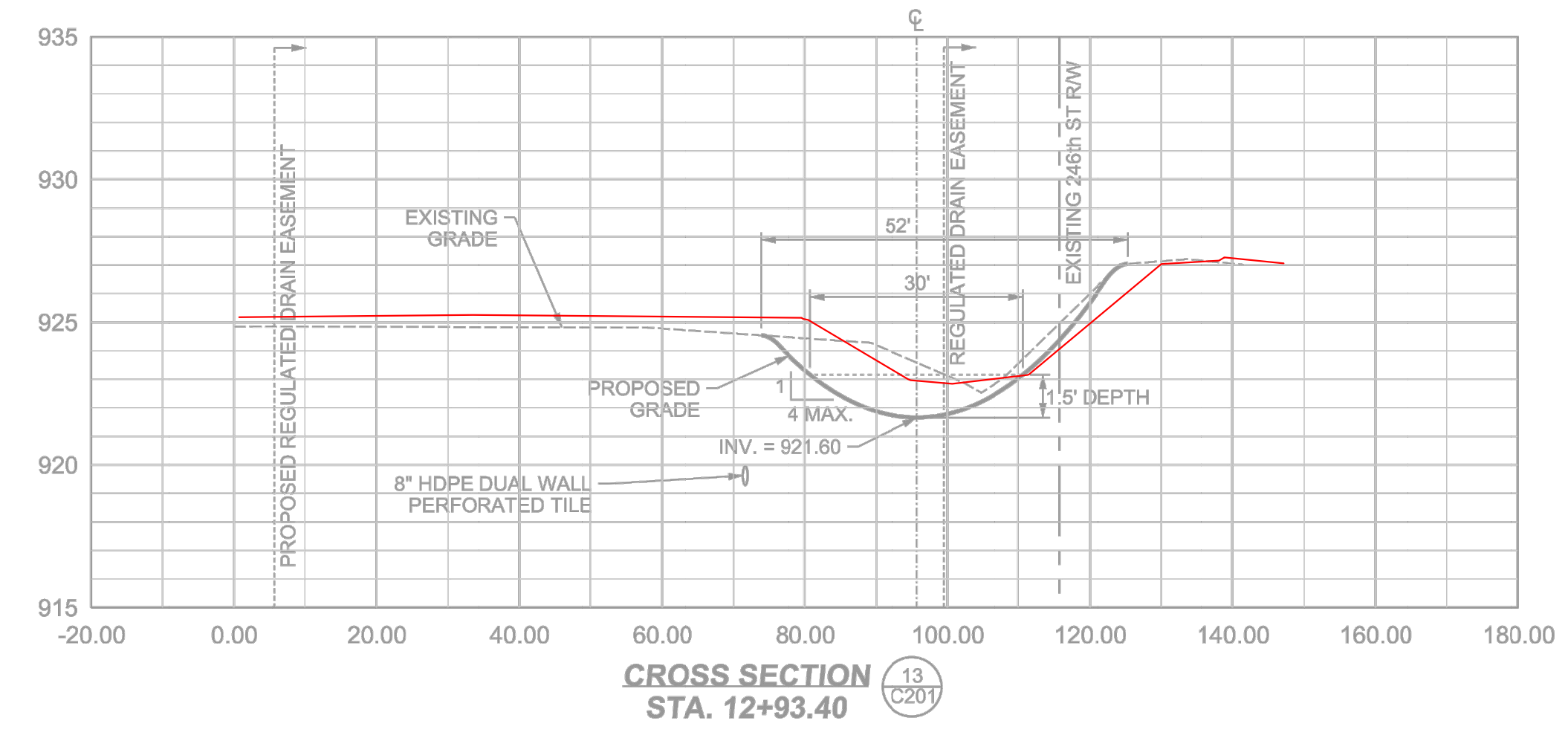
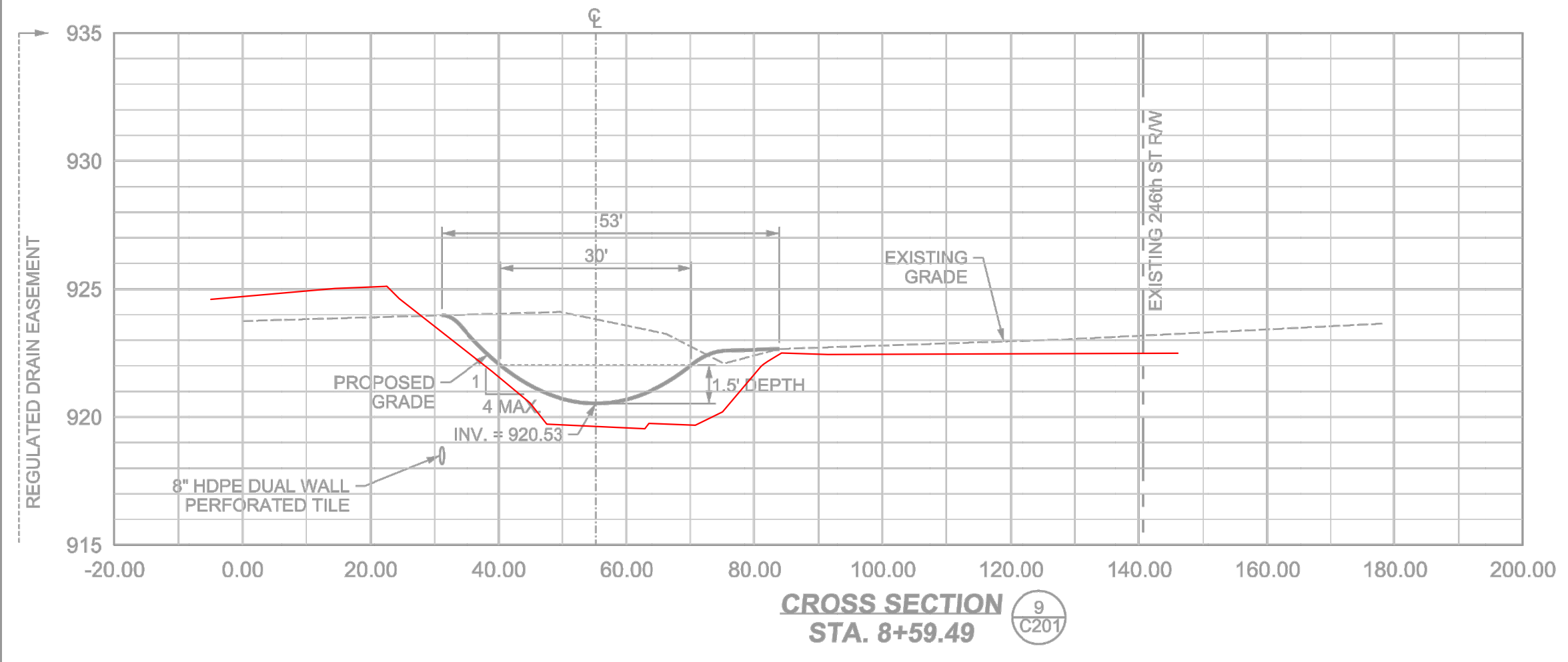


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Project No:	11194BH
Sheet No:	

C108

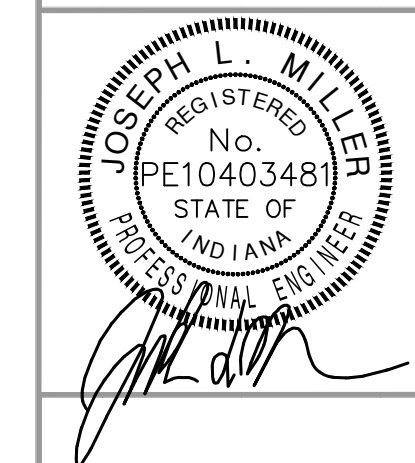
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SCALE:
1"=5' VERT.
1"=20' HOR.

Date	12-05-17
Revisions	ADDED PRIVATE CROSSING ADDED WETLANDS
Sym.	
Designed:	JM
Drawn:	SJH
Checked:	
Scale:	AS SHOWN
Date:	05-08-17

CROSS SECTIONS
BENTON HINSLEY - GRASSED WATERWAY
ADAMS TOWNSHIP
HAMILTON COUNTY, INDIANA



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Project No: 11194BH
Sheet No:

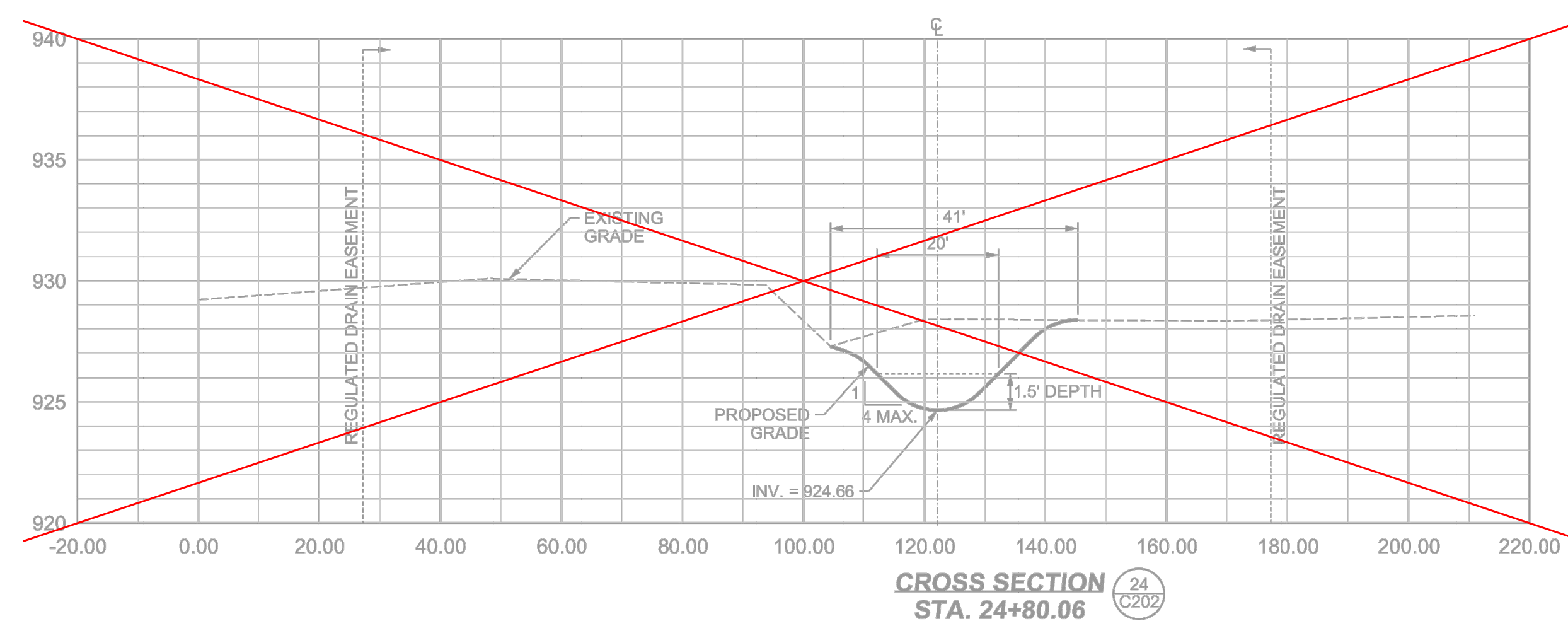
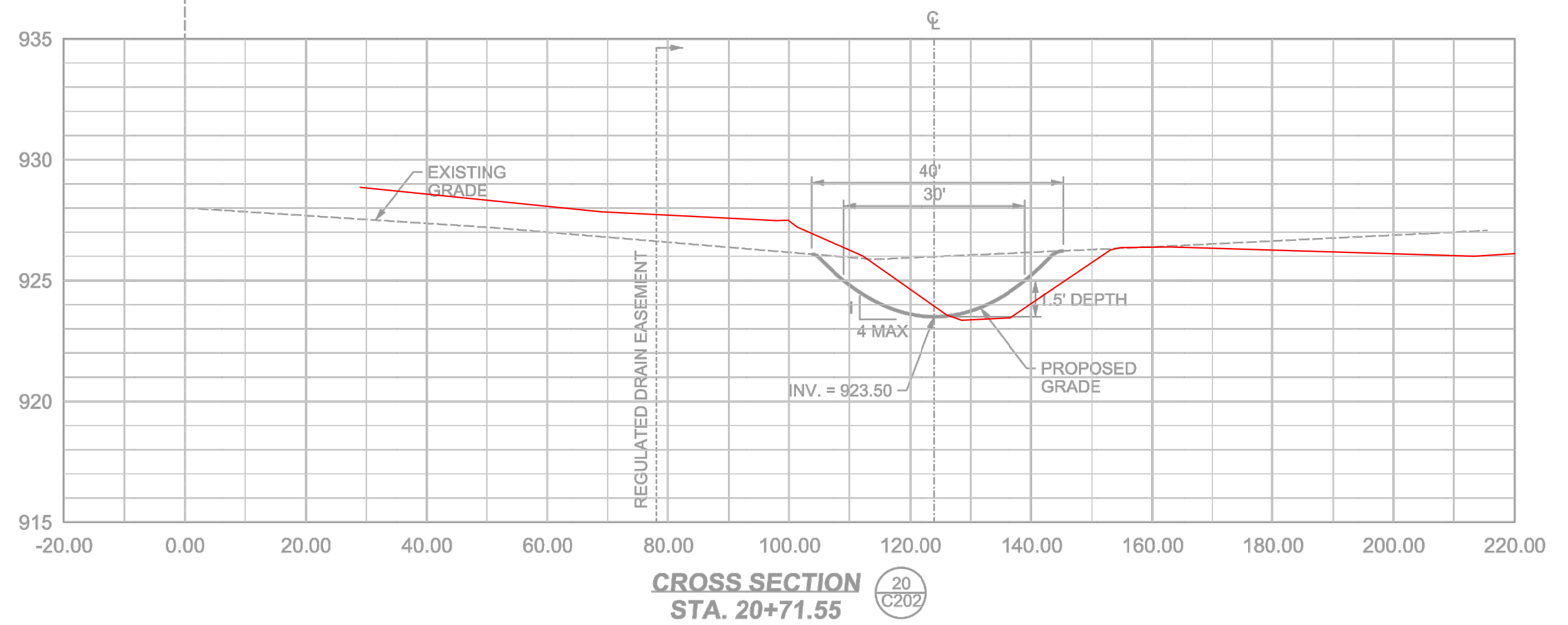
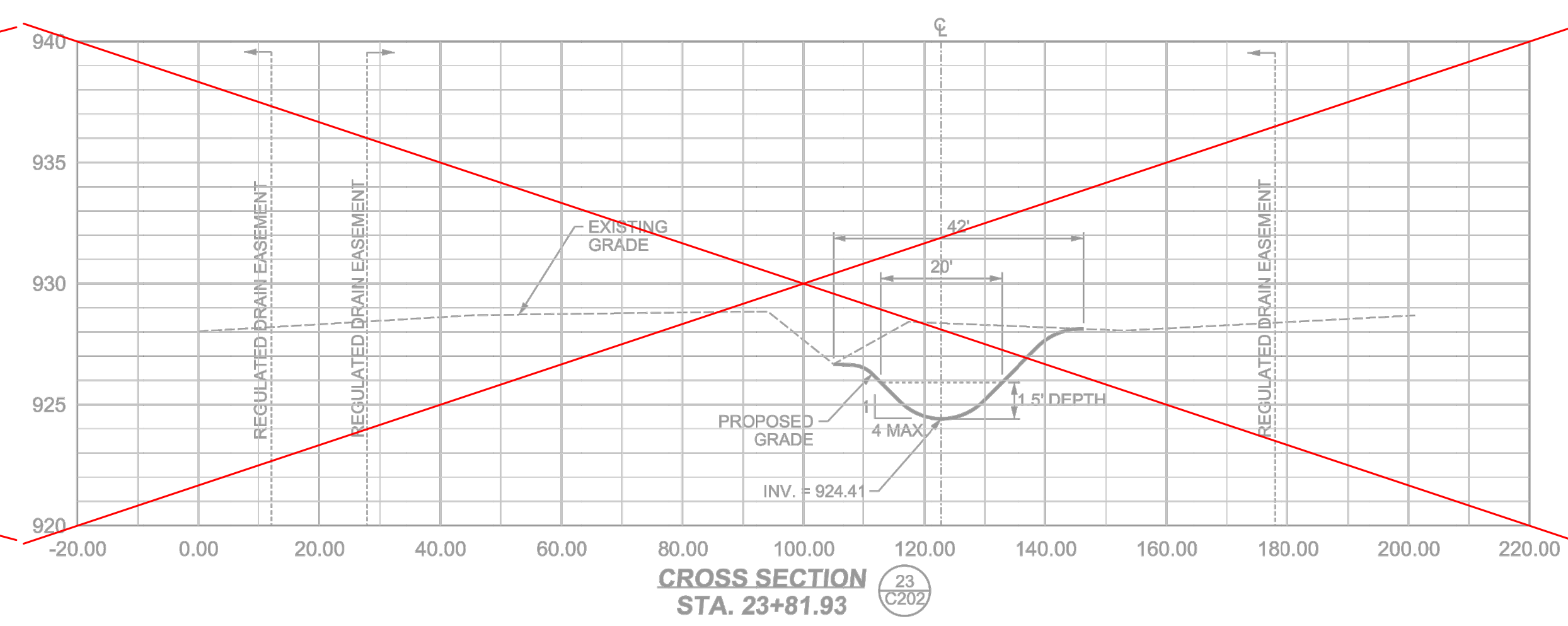
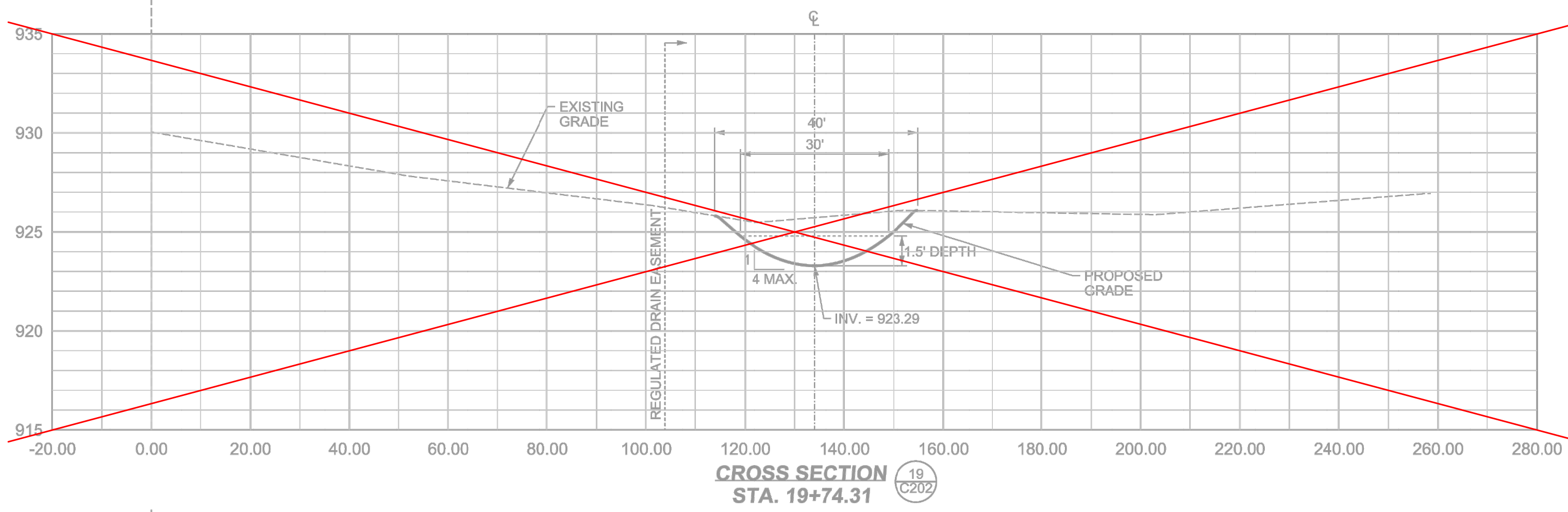
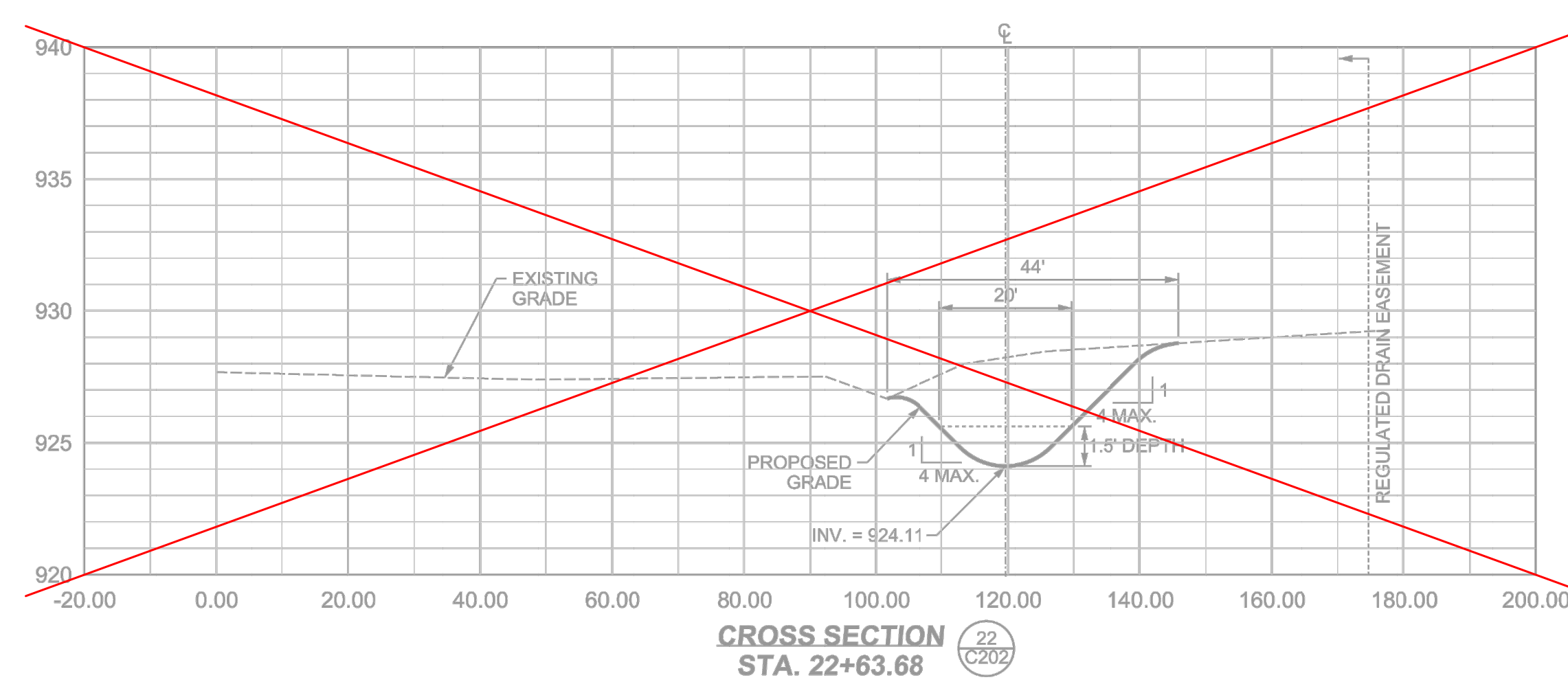
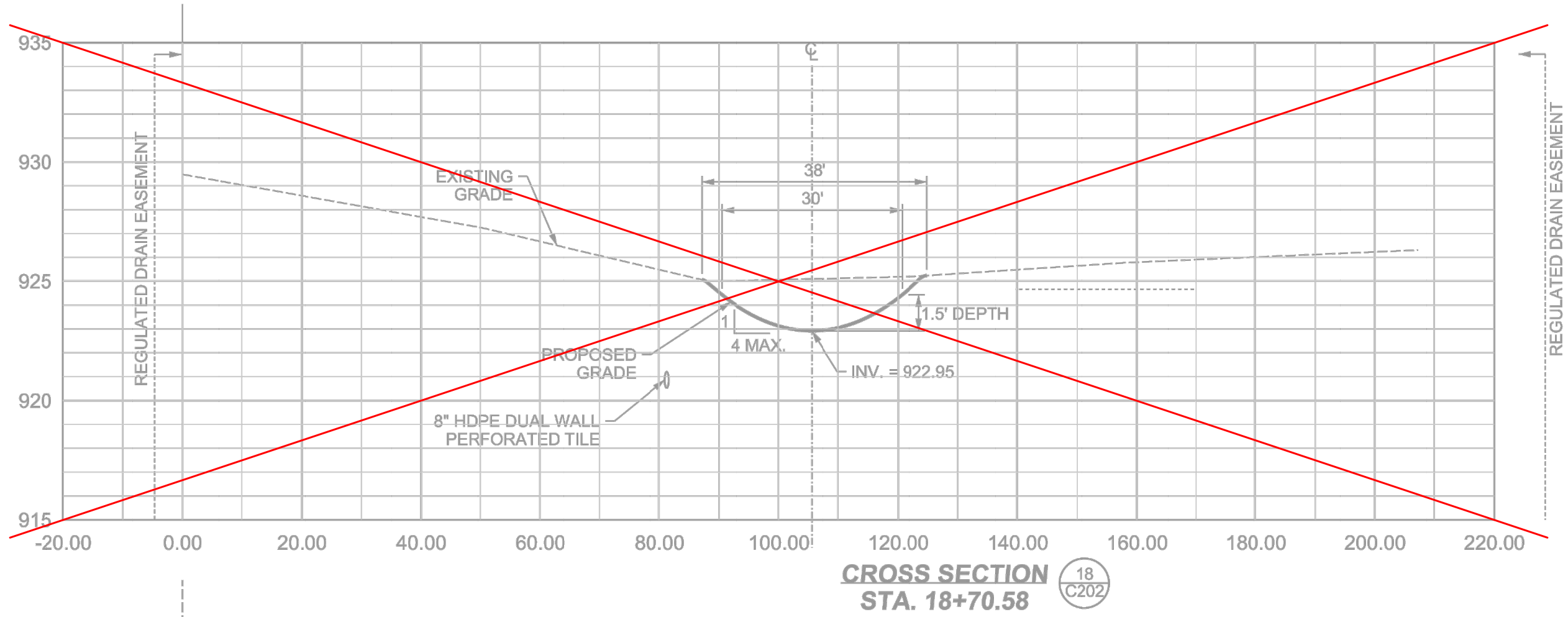
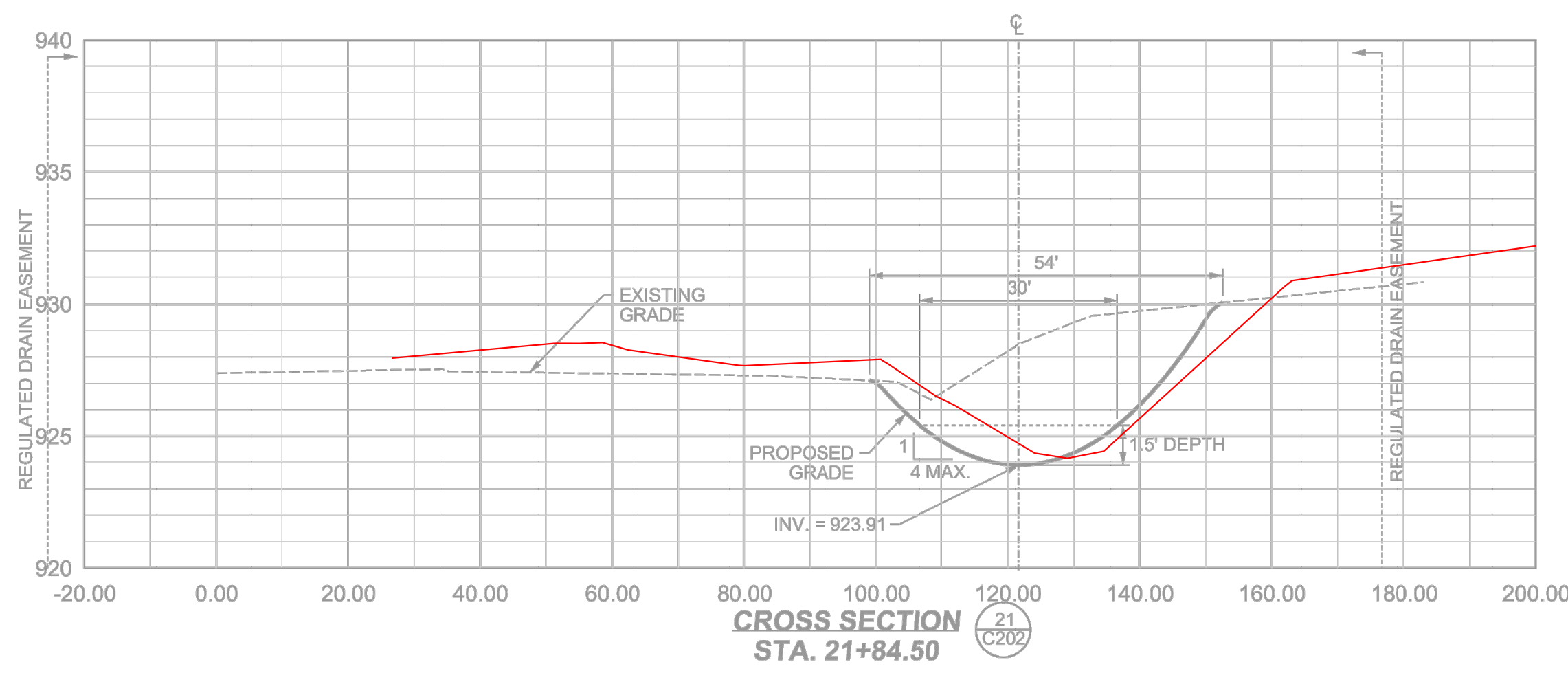
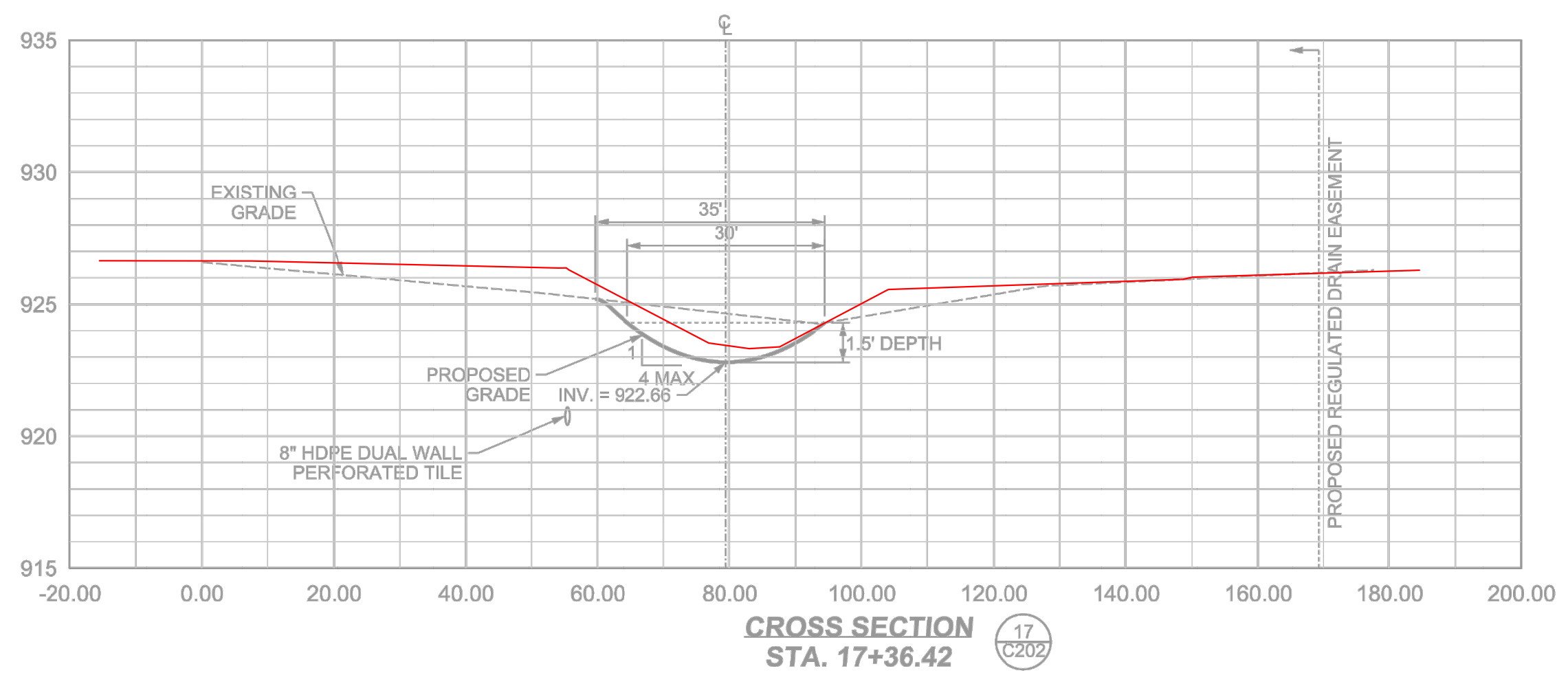
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C201

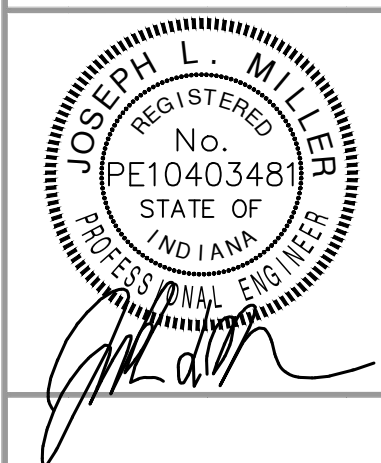
07/08/2019
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Project Number: 11194BH
Folder: Sheets / Phase 2
File Name: 11194BH_012_3662.dgn

SCALE:
1"=5' VERT.
1"=20' HOR.

Date	12-05-17
Revisions	ADDED PRIVATE CROSSING ADDED WETLANDS
Sym.	
Designed:	JM
Drawn:	SJH
Checked:	
Scale:	AS SHOWN
Date:	05-08-17



CROSS SECTIONS
BENTON HINSLEY - GRASSED WATERWAY
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Project No: 11194BH
Sheet No:

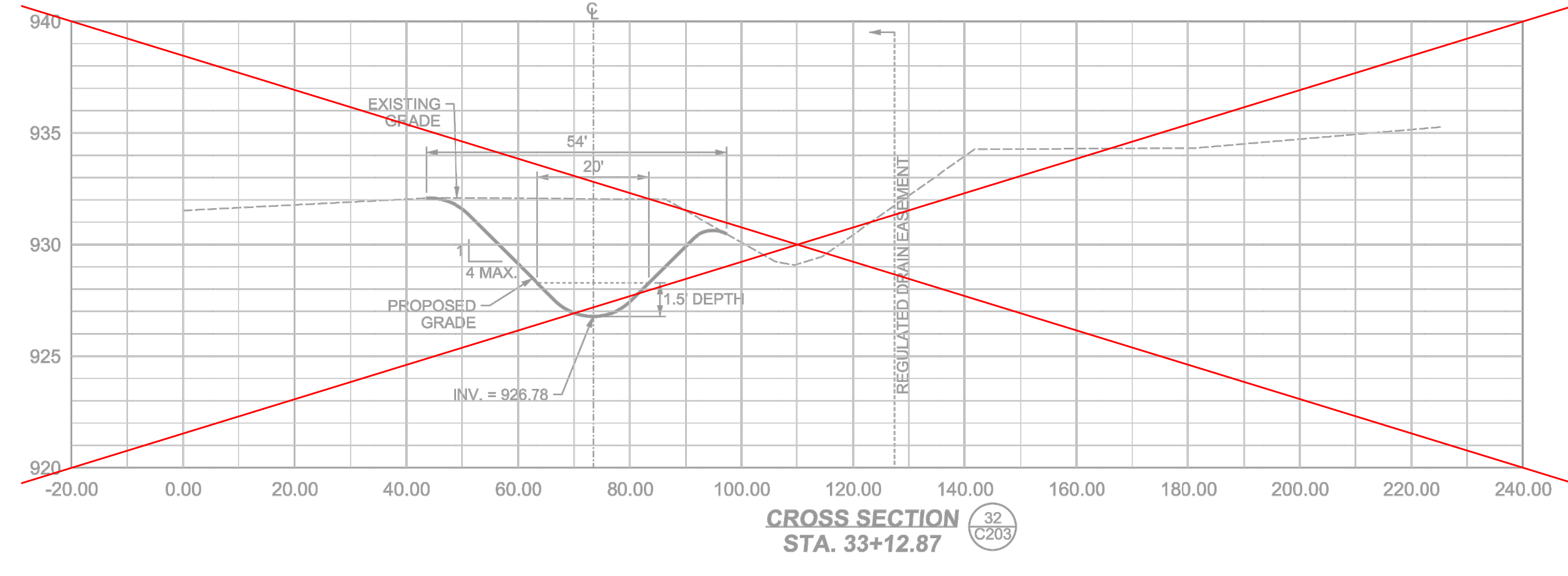
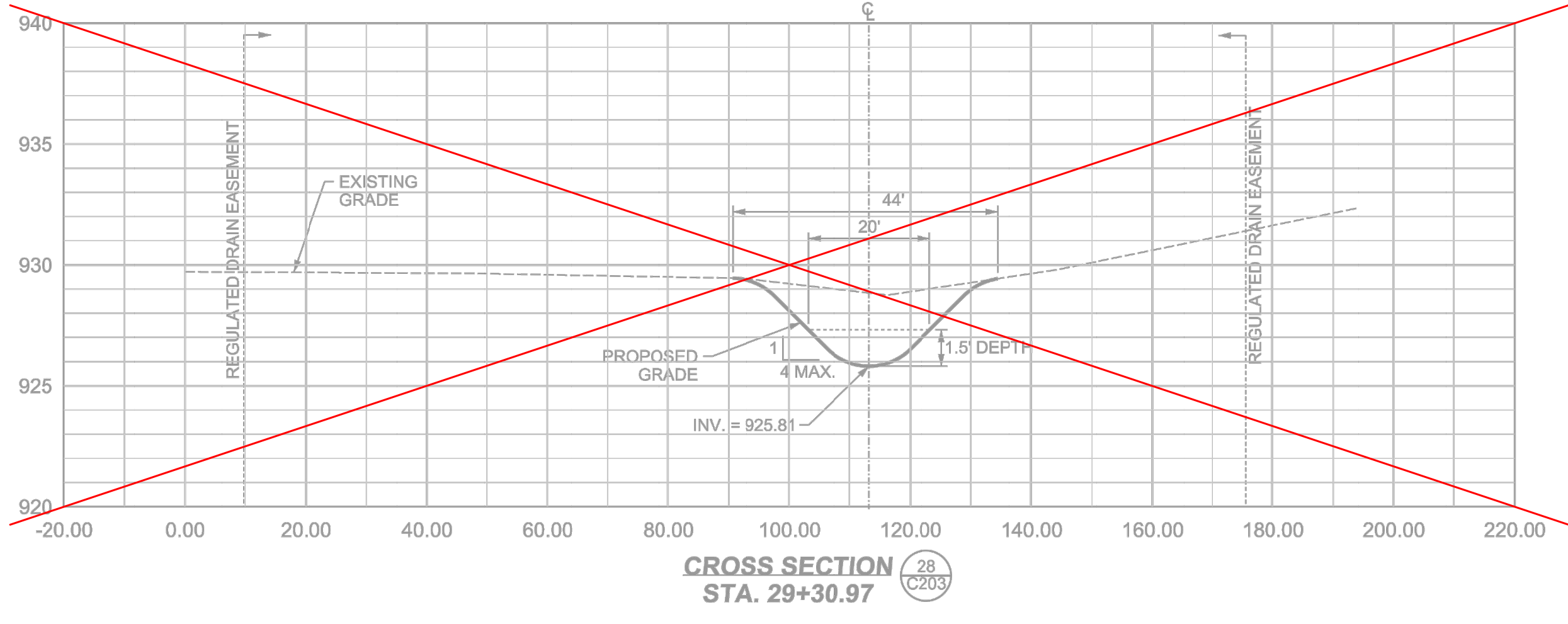
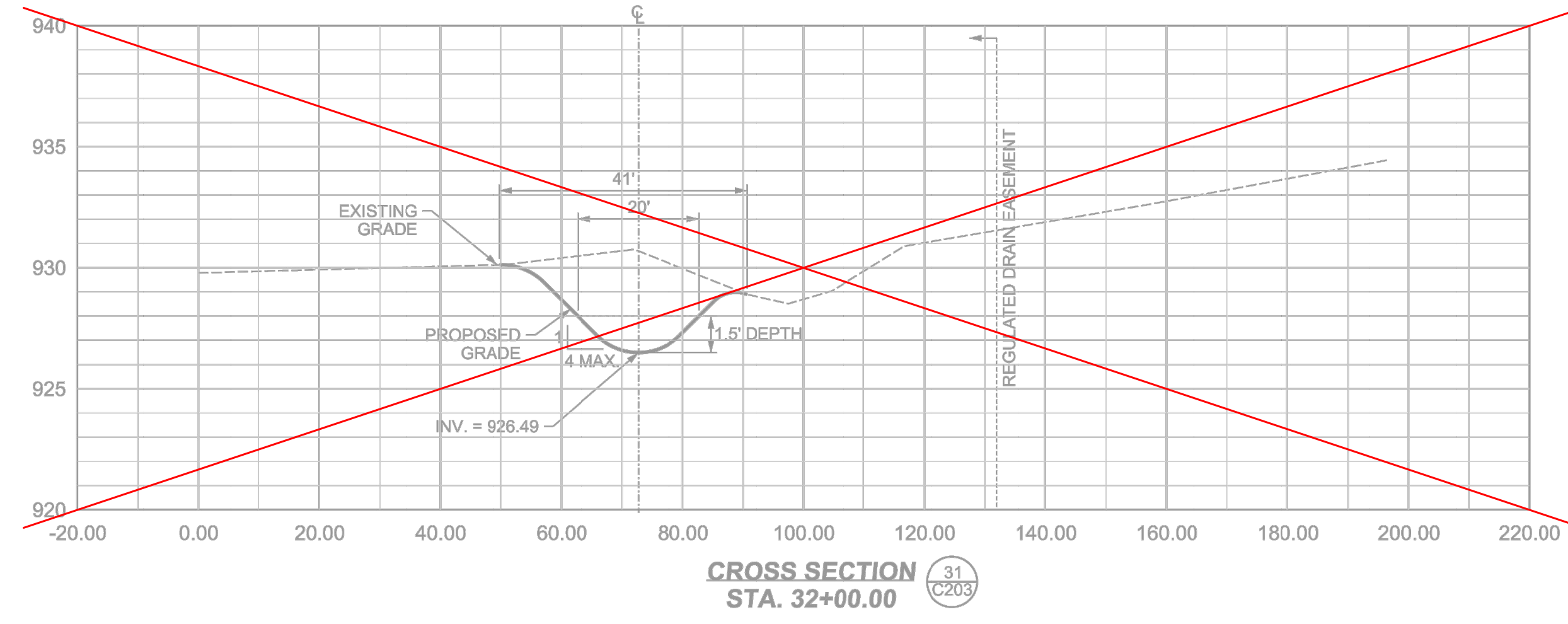
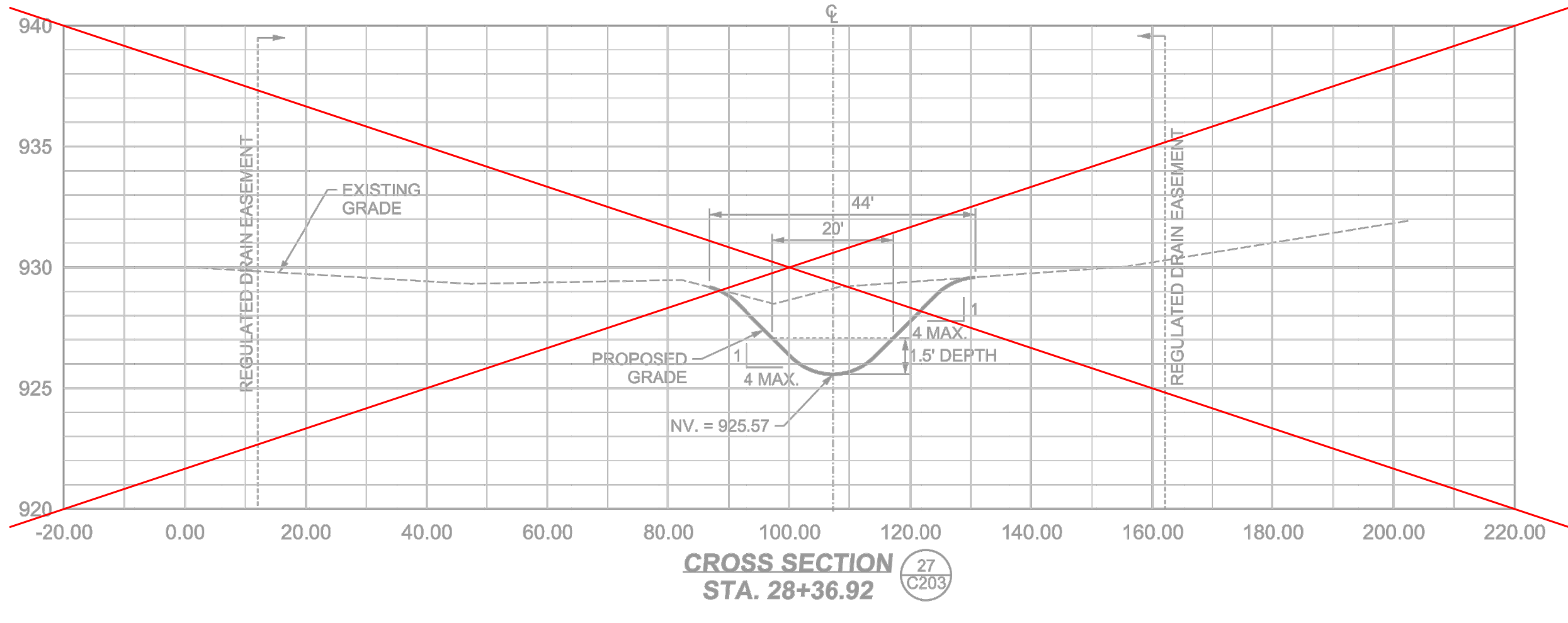
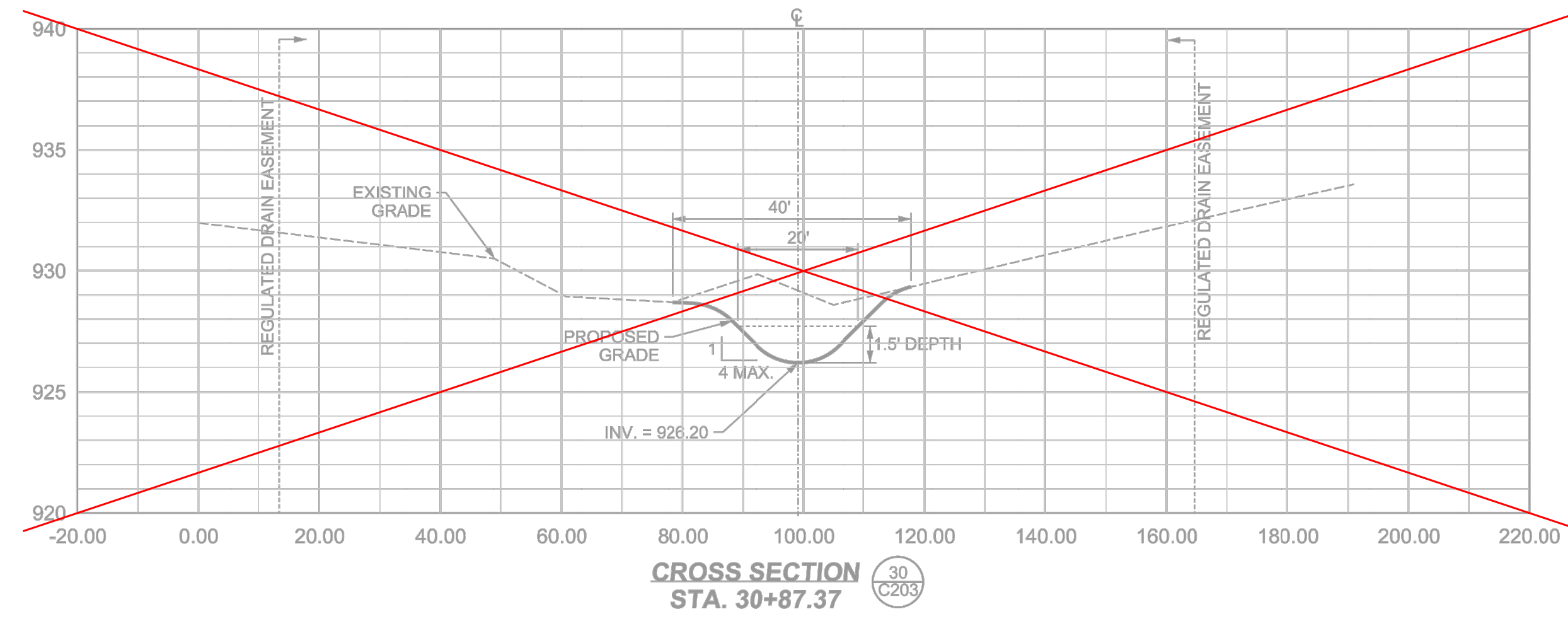
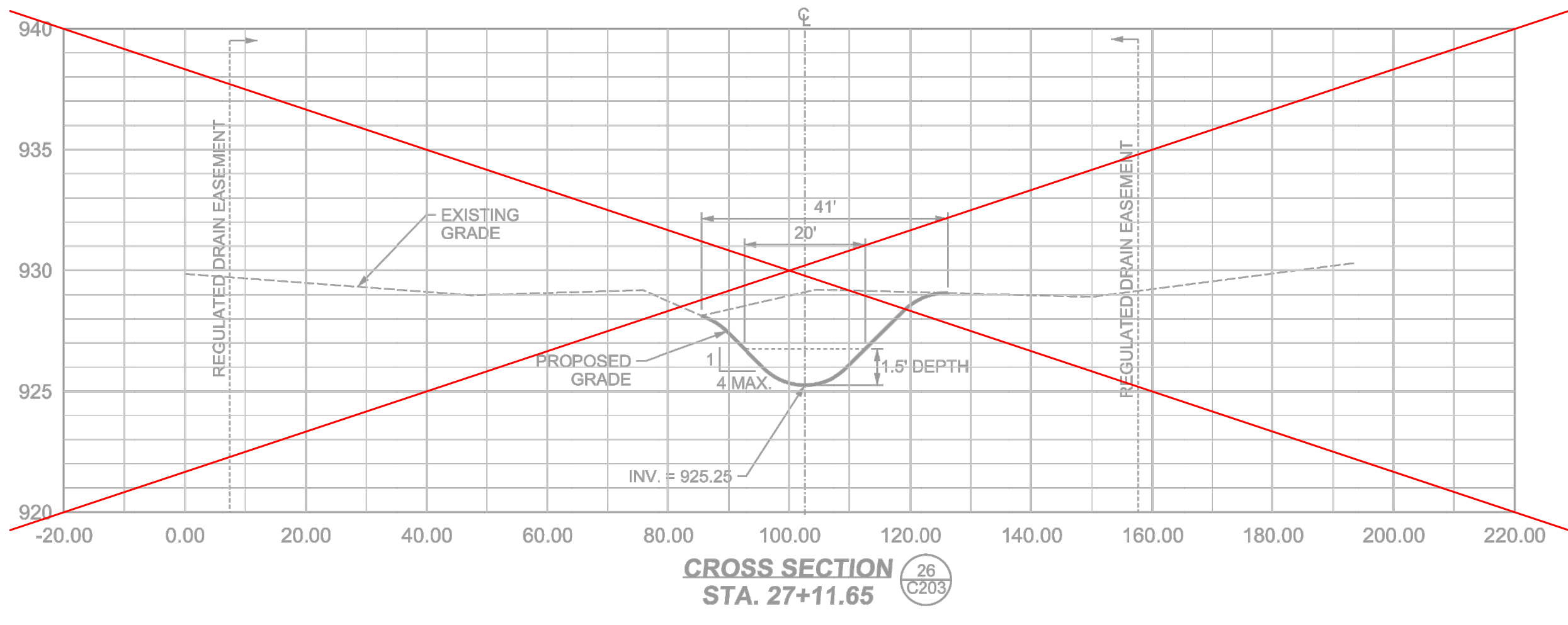
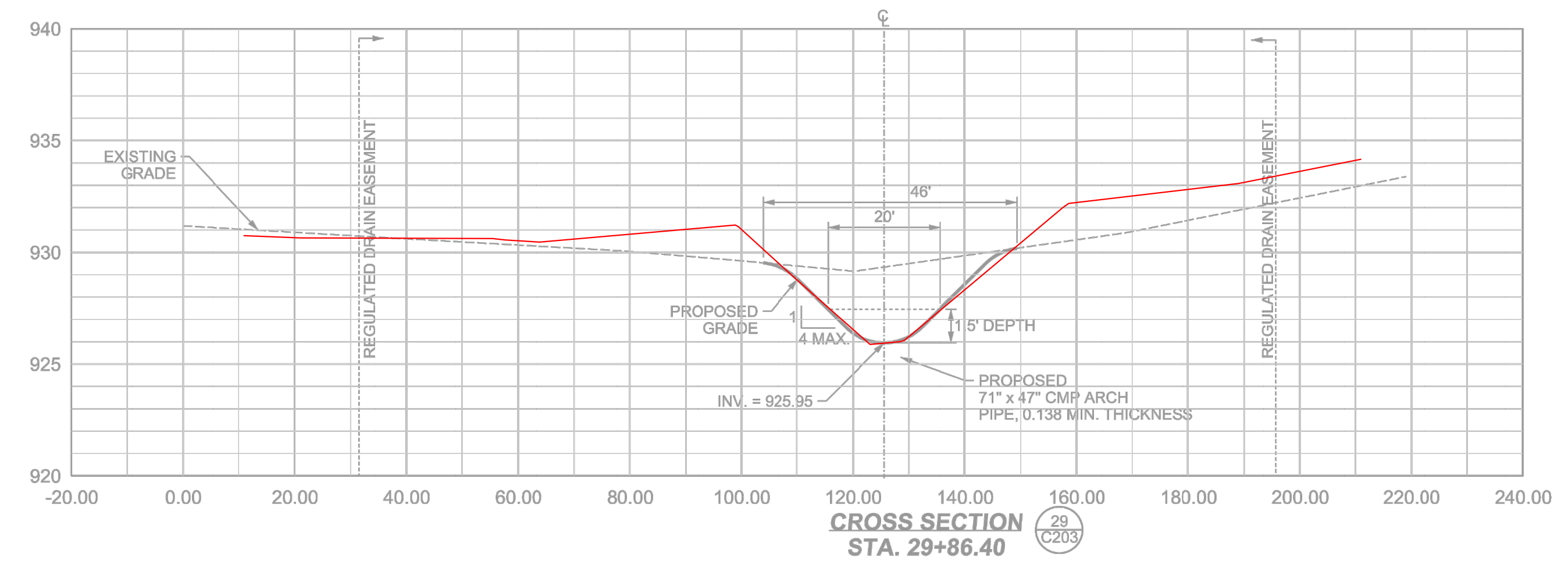
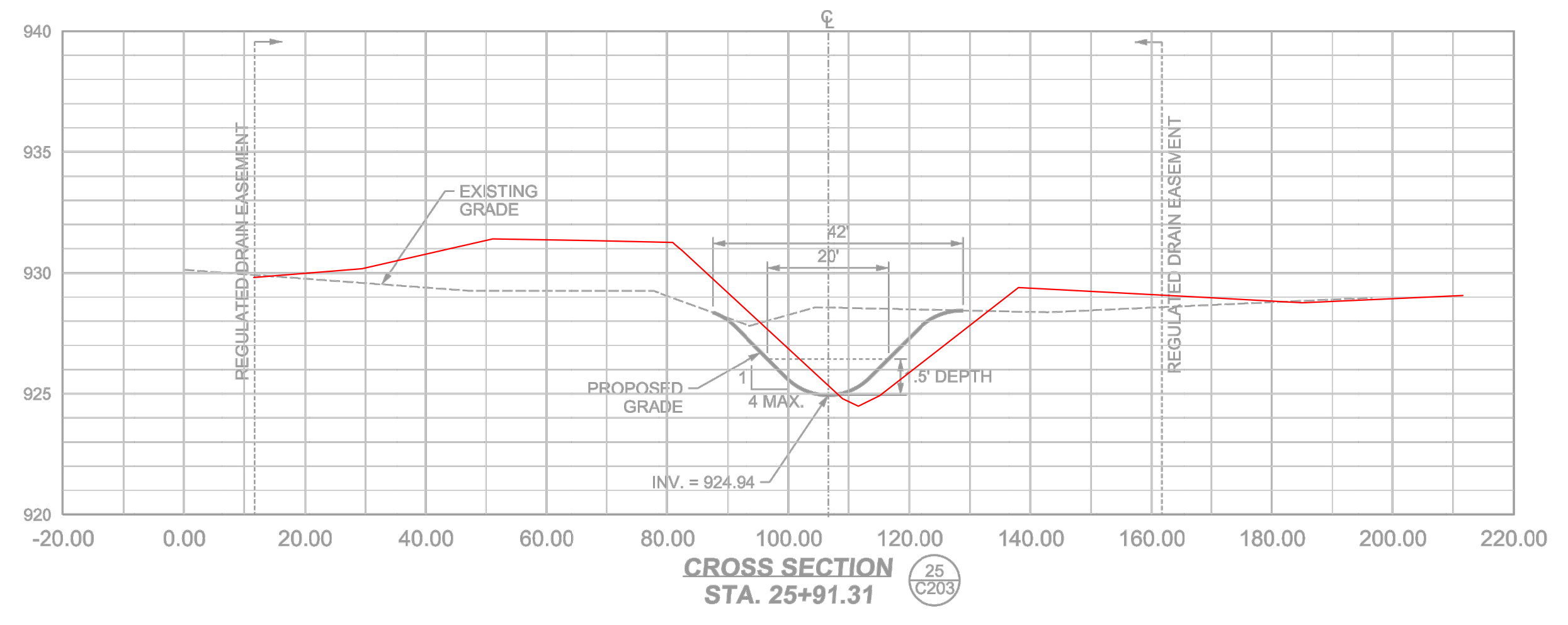
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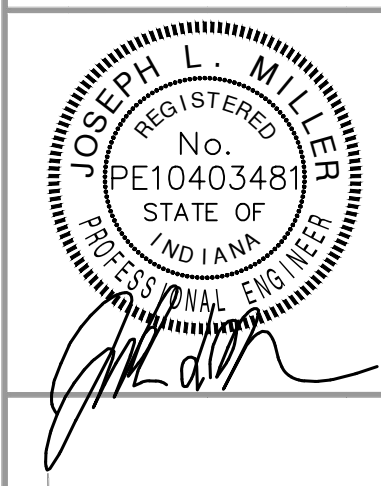
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SCALE:
1"=5' VERT.
1"=20' HOR.

Date	12-05-17
Revisions	ADDED PRIVATE CROSSING ADDED WETLANDS
Sym.	
Designed:	JM
Drawn:	SJH
Checked:	
Scale:	AS SHOWN
Date:	05-08-17



CROSS SECTIONS
BENTON HINSLEY - GRASSED WATERWAY
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HAMILTON COUNTY, INDIANA



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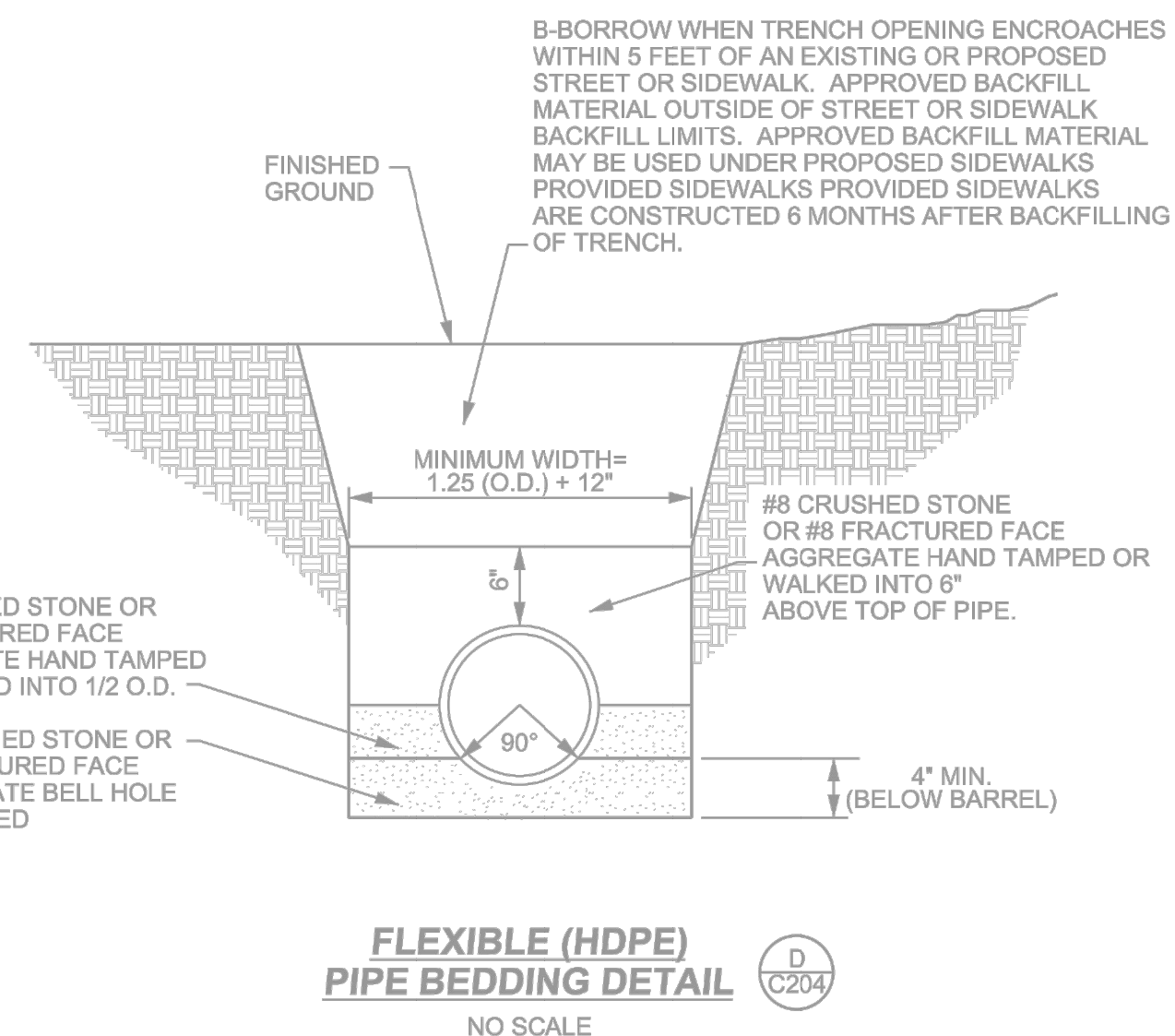
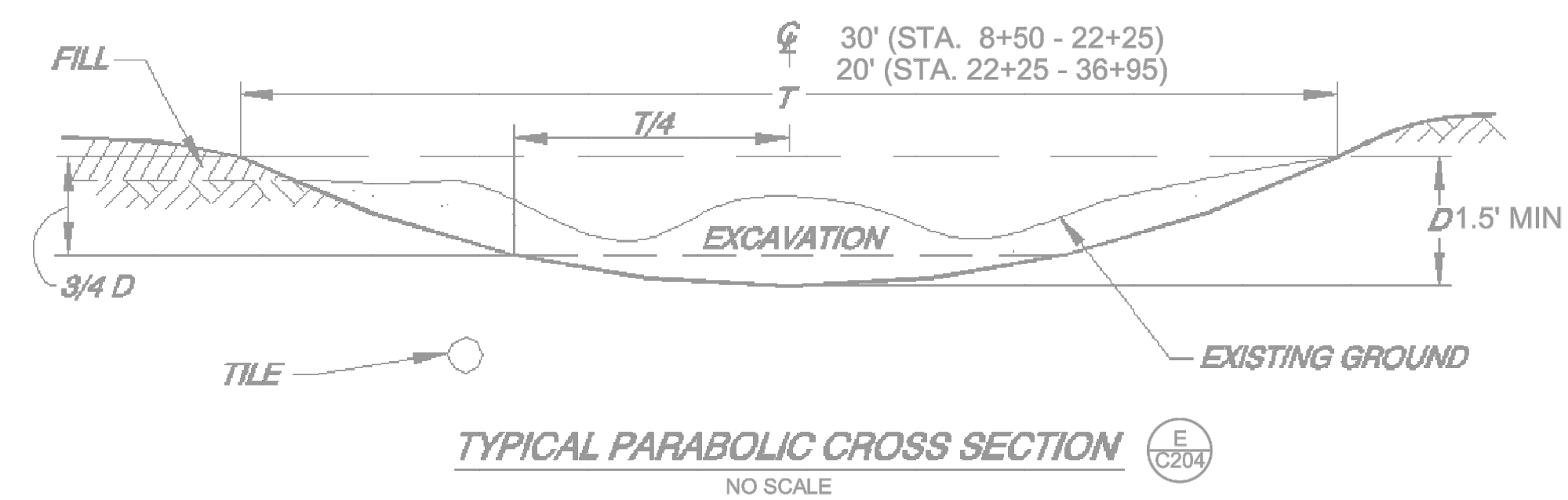
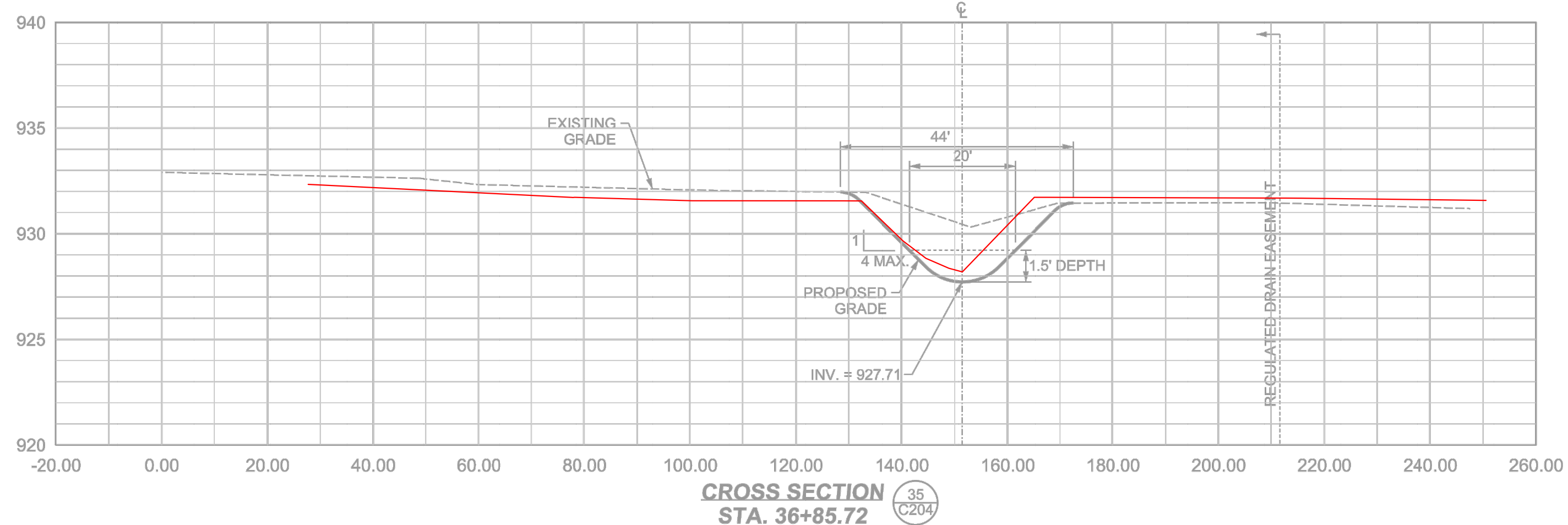
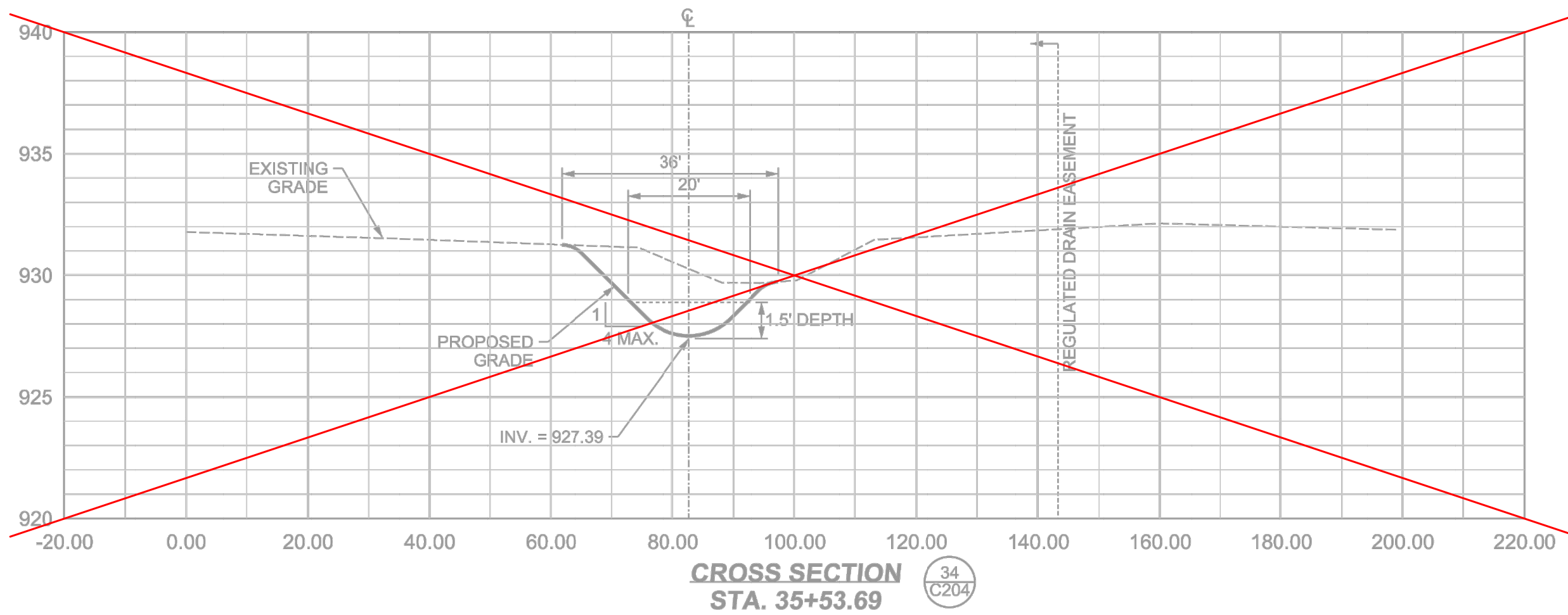
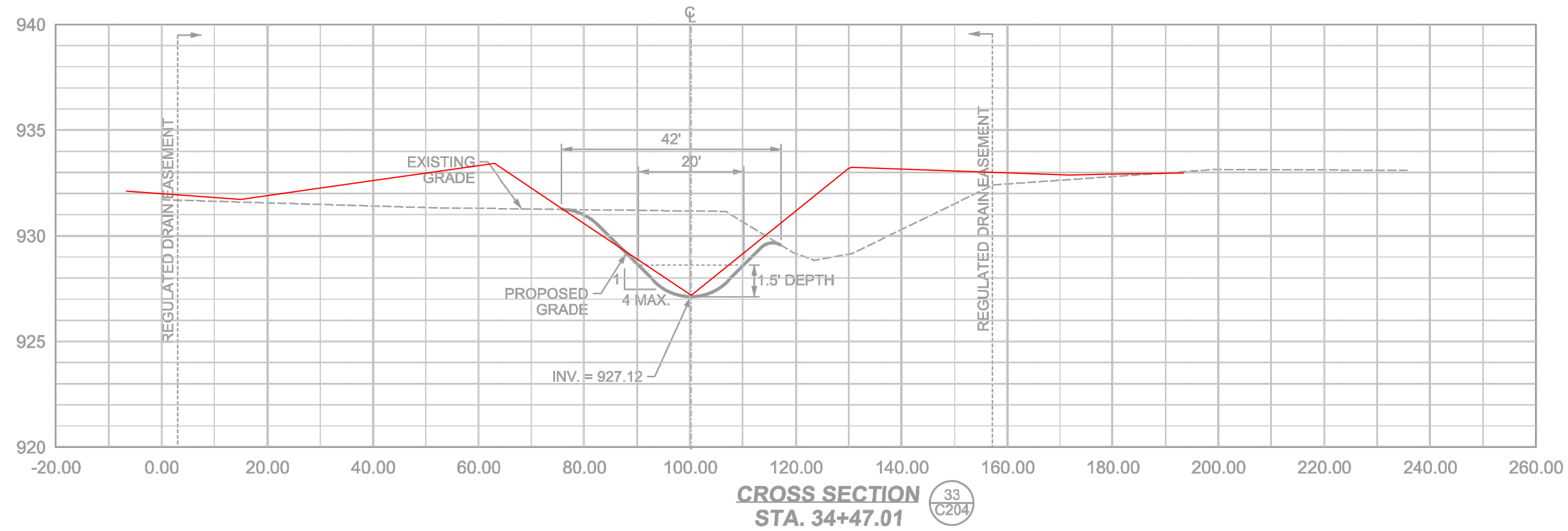
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Sheet No:

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C203

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1"=5' VERT.
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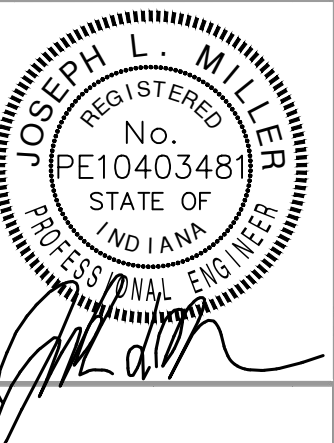
OFFICE OF THE HAMILTON COUNTY SURVEYOR
CULVERT BRIDGE INSTALLATION

LONGITUDINAL SECTION
ELEVATION

LENGTH OF PIPE 40' DIAMETER AND PIPE MATERIAL L. 71"x47" CMP OR
WIDTH OF ROADWAY 30' DEPRESSION BELOW FLOWLINE 1.5'± GRADIENT OF PIPE 0.26%

HAMILTON COUNTY SURVEYOR'S OFFICE
APPROVED: [Signature] DATE: 2/1/02
REVISION: J.FEB. 0008 STANDARD PLAN C-2

CROSS SECTIONS
BENTON HINSLEY - GRASSED WATERWAY
ADAMS TOWNSHIP
HAMILTON COUNTY, INDIANA



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Project No: 11194BH
Sheet No:

C204

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