



**VILLAGE OF JACKSON
BOARD OF PUBLIC WORKS MEETING AGENDA
MAY 30, 2023 at 6:00 P.M.
VILLAGE BOARD ROOM
N168W19851 MAIN STREET, JACKSON, WI 53037**

1. Call to Order and Roll Call
2. Approval of the Board of Public Works Minutes of April 25, 2023
3. Temporary Easement Requests – ANR Pipeline (TC Energy)
4. Review of Proposed Stop Signs – Sherman Parc and Maplefields Subdivisions
5. Ordinance #23-08 Amending Chapter 42 of Village Code
6. Pay Request #4 – STH 60 Utility Upgrade Project
7. Change Order #1 – 2023 Utility & Streets Improvements Project
8. Project Update – WWTP Storage Garage Expansion
9. Project Update – Eagle Drive & STH 60 Roundabout
10. Director of Public Works Report
11. Citizens/Village Staff to address the Board
12. Adjourn

Persons with disabilities requiring special accommodations for attendance at the meeting should contact the Administration Department at the Jackson Municipal Complex at least one (1) business day prior to the meeting.

It is possible that members of the Village Board may attend the above meeting. No action will be taken by any governmental body at this meeting other than the governmental body specifically referred to in this meeting notice. This notice is given so that members of the Village Board may attend the meeting without violating the open meeting law.

DRAFT MINUTES
Board of Public Works Meeting
Tuesday, April 25, 2023 at 6:00 p.m.
Jackson Municipal Complex
Village Board Room
N168W19851 Main Street
Jackson, WI 53037

1. Call to Order and Roll Call

President Heckendorf called the meeting to order at 6:00 p.m.

Members Present: Stephanie Egner, Tr. Engelhardt, Tr. Matter, Don Olson, Jeff Mitchell, and Chris Sberna

Staff Present: Administrator Jen Keller and Director of Public Works Brian Kober

(Editor's Note: Don Olson and Stephanie Egner agreed to participate in discussion but abstain from voting for the meeting until such a time they can be sworn into their appointed office)

2. Approval of the Board of Public Works Minutes of March 28, 2023

Motion by Tr. Matter, second by Tr. Engelhardt to approve the Board of Public Works minutes of March 28, 2023.

Vote: 5 ayes, 0 nays. Motion carried.

3. Amendment to 2023 License Agreement to Farm Public Land – Robert Loduha

Director Kober provided background.

Motion by Pres. Heckendorf, second by Tr. Engelhardt to recommend Budget & Finance and Village Board approve the requested amendment to the License Agreement to Farm Public Land for Robert Loduha.

Discussion ensued regarding current plans for the site.

Vote: 5 ayes, 0 nays. Motion carried.

4. Temporary Easement Requests – ANR Pipeline (TC Energy)

Director Kober provided information on the temporary three-year easement options from 2025-2028. TC Energy is willing to compensate the Village \$1,000.00 for a onetime payment to utilize property located in the Outlot, and interest in additional compensation for the Oaks of Jackson site which is required to perform pursuant to the approved TID 7 plan.

Motion by Pres. Heckendorf, second by Chris Sberna to recommend Budget & Finance and Village Board approve the two requested Temporary Easement for TC Energy for a portion of land located on the Oaks of Jackson Subdivision property and the Outlot south to Hickory Lane, to include compensation for the easements on the property.

Discussion ensued regarding the purpose for the temporary easement, it was stated the reason is for construction that TC Energy expects to expand the existing use and updates

to the facility near the subject area. It was also asked what would occur if the Village would not comply with the request for the easement requests, or how this easement would negatively impact the TID plan for the site.

Vote: 0 ayes, 5 nays. Motion fails.

Motion by Pres. Heckendorf, second by Tr. Engelhardt to recommend Staff work with TC Energy and return to the committee with more information regarding use and size of the easement as well as compensation for the area.

Vote: 5 ayes, 0 nays. Motion carried.

5. Review of Bids for STH 60 Street Lighting Project

Director Kober gave background information on the three bids received to install lights which will be Village owned and replace the WE Energies lights currently installed along Main Street from Industrial Drive to east of Ridgway Drive.

Motion by Pres. Heckendorf, second by Tr. Matter to recommend Budget & Finance and Village Board accept the contract with WIL-Surge Electric Inc. for the amount of \$378,175.82.

Discussion ensued related to project schedule including a June start and the poles installed by November so that the project is closed out prior to the WisDOT project commencing in 2024.

Vote: 5 ayes, 0 nays. Motion carried.

6. Pay Request #3 – STH 60 Utility Upgrade Project

Director Kober provided an update on the project.

Motion by Pres. Heckendorf, second by Tr. Matter to recommend Budget & Finance and Village Board approve Pay Request #3 to Advance Construction in the amount of \$876,349.64.

Vote: 5 ayes, 0 nays. Motion carried.

7. Review of Jackson Water Utility 2022 Consumer Confidence Report

Director Kober provided background and stated, upon approval, the Jackson Water Utility 2022 Consumer Confidence Report will be posted on the Village Website and a notice will be placed in the newspaper.

Motion by Pres. Heckendorf, second by Jeffrey Mitchell to recommend the Village Board accept the Jackson Water Utility 2022 Consumer Confidence Report and publish it on the Village website and in the official newspaper.

Discussion ensued regarding sampling dates and schedule for testing moving forward. Lead levels were also discussed which Staff indicated were not of concerning levels at this time.

Vote: 5 ayes, 0 nays. Motion carried.

8. Director of Public Works Report

Director Kober provided a brief overview of the report.

Motion by Pres. Heckendorf, second by Tr. Engelhardt to place the Director of Public Works Report on file.

Vote: 5 ayes, 0 nays. Motion carried.

9. Citizens/Village Staff to Address the Board

None

10. Adjourn

Motion by Pres. Heckendorf, second by Tr. Engelhardt to adjourn.

Vote: 5 ayes, 0 nays. Meeting was adjourned at 6:58 p.m.

Respectfully submitted,

Jen Keller
Village Administrator

Brian Kober

From: Evan Alcorn <evanalcorn@ohiovalleyacquisition.com>
Sent: Monday, May 8, 2023 11:25 AM
To: Brian Kober
Subject: RE: Jackson Oaks/Update

Follow Up Flag: Follow up
Flag Status: Flagged

Brian, I received some responses to your questions below

1. The Board is questioning the size of the temporary easement on the Oaks of Jackson Development, when you have access to the parcel south?
 - The gas lines on the southern parcel will be hot during the facility upgrade, the Temporary Workspace WI-WA-030.000 is necessary to provide sufficient workspace for this parcel.
2. How is access (which Street) being conducted to the temporary easements? Are you planning on driving over your easement for access?
 - We'll access from Hickory Lane.
3. Next question is verifying the time frame of the temporary easement? Is the temporary easement necessary for the entire 30 inch pipe installation project?
 - Yes. The temporary workspace is needed to support the work inside the Jackson Tap to provide sufficient, safe working environment. We may not necessarily be using/occupying that temporary easement for the entire timeframe of work, but we request the easement in the event that work goes on longer than anticipated.
4. Rumors are now that the two existing gas pipes are being removed and the 30 inch is the replacement. Please shine some light on the rumor and the true project schedule.
 - The pipelines will not be removed. North of the Jackson Tap Meter Station both lines will continue to be active to provide a dual feed option to the tap for Jackson. South of the Jackson Tap Meter Station the existing 301 pipeline will be abandoned in place and the 1-301 pipeline will continue to operate as-is.
5. The Village of Jackson has no objection to the temporary easement proposal associated with Tract Number WI-WA-031.000.
 - Just for clarification, the document associated with WI-WA-031.000 is the Surface Site agreement. The Temporary Workspace agreement is associated with the WI-WA-030.000
6. The Village of Jackson will seek compensation for both options 1 and 2 on the lost of condo units not being developed during the temporary easement timeframe. Option 2 is less of an impact which allows for a lower compensation number.
 - Your current payment is \$5,500, we will include an additional payment of \$10,000 for your inconvenience and assistance with the project.
7. Option #1 is the memo and per your request. Option #2 is a hybrid of your first proposal but limiting lots 39 & 40.
 - Option #1 is a necessity. We'll need to be able to turn trucks around through there.

I hope this helps clarify any questions the Public Works Committee has, if you need a more in depth explanation of these responses please let me know.

Thank you Brian, hope to talk to you soon.
Warm Regards,

Evan Alcorn
Ohio Valley Acquisition
Land Agent
In Service to TC Energy/ANR Pipeline Co.
618-974-3058

From: Brian Kober <brian.kober@villageofjacksonwi.gov>
Sent: Thursday, April 27, 2023 4:47 PM
To: Evan Alcorn <evanalcorn@ohiovalleyacquisition.com>
Cc: Jen Keller <jen.keller@villageofjacksonwi.gov>; Michael Court <mcourt@sehinc.com>
Subject: RE: Jackson Oaks/Update

Evan,

The Board of Public Works Committee reviewed your temporary easement request on Tuesday, April 25, 2023, and here are the following comments for discussion:

- 1) The Board is questioning the size of the temporary easement on the Oaks of Jackson Development, when you have access to the parcel south?
- 2) How is access (which Street) being conducted to the temporary easements? Are you planning on driving over your easement for access?
- 3) Next question is verifying the time frame of the temporary easement? Is the temporary easement necessary for the entire 30 inch pipe installation project?
- 4) Rumors are now that the two existing gas pipes are being removed and the 30 inch is the replacement. Please shine some light on the rumor and the true project schedule.
- 5) The Village of Jackson has no objection to the temporary easement proposal associated with Tract Number WI-WA-031.000.
- 6) The Village of Jackson will seek compensation for both options 1 and 2 on the lost of condo units not being developed during the temporary easement timeframe. Option 2 is less of an impact which allows for a lower compensation number.
- 7) Option #1 is the memo and per your request. Option #2 is a hybrid of your first proposal but limiting lots 39 & 40.

Thanks for the opportunity for the continuing the discuss on finding a solution to the temporary easement proposal.

Please review and if you have any questions please do not hesitate to ask.

Brian W. Kober. P.E.
Director of Public Works/Village Engineer
Village of Jackson
W194 N16660 Eagle Drive
Jackson, WI 53037
Phone: 262-677-0707
Fax: 262-677-8770

From: Evan Alcorn <evanalcorn@ohiovalleyacquisition.com>

Sent: Thursday, April 27, 2023 11:14 AM

To: Brian Kober <brian.kober@villageofjacksonwi.gov>

Subject: Jackson Oaks/Update

Good morning Brian,

I just wanted to reach out and see if you had any update on the Jackson Oaks/Workspace requests. If you need any additional documentation or have any questions please let me know.

Thank you,

Evan Alcorn

Ohio Valley Acquisition

Land Agent

In Service to TC Energy/ANR Pipeline Co.

618-974-3058

Memo

To: Jen Keller, Village Administrator

From: Brian W. Kober, P. E., Director of Public Works

Subject: ANR Pipeline (TC Energy) Temporary Easement Request
Oaks of Jackson Subdivision

Date: April 21, 2023

CC: Board of Public Works; Village Board

The Village of Jackson has received two temporary easement requests from TC Energy for the ANR Pipeline located on the Oaks of Jackson Subdivision property and the Outlot south to Hickory Lane. Negotiation with TC Energy had begun with the first proposal would restrict Lots 39 and 40 not to be developed for three (3) years until construction is complete on the pipeline.

The new proposal for the temporary easement would restrict eight (8) condo units from being built for three (3) years. The condo restriction has less impact on the Oaks of Jackson Development, although, compensation should be requested for the delay of development.

Also, TC Energy is requesting a temporary easement south of Oaks of Jackson in the existing easement north of Hickory Lane. There is no objection to the use of the property for a temporary easement.

If you have any questions, please let me know.

Brian W. Kober, P.E.

LOT 1 OF CERTIFIED SURVEY MAP NO. 6969 BEING PART OF
THE NE 1/4 OF THE NW 1/4 OF SECTION 20, T.10N., R.20E.,
VILLAGE OF JACKSON, WASHINGTON COUNTY, WISCONSIN.

NORTHWEST CORNER
SEC 20-10-20
ON SEWER COVER-TIES
N: 487,913.26
E: 2,457,550.13

NORTH LINE NORTHWEST 1/4 SECTION 20-10-20
S89°40'10"E 2634.26'

FND CONC MON
WBRASS CAP
NORTH 1/4 CORNER
SEC 20 49-20
N: 487,998.85
E: 2,469,184.20
ELEV = 892.59



SCALE: 1" = 60'

UNIT COUNT:	
TOWNHOUSE -	40
SINGLE-FAMILY -	40
TWIN HOMES -	8
SINGLE-FAMILY (PRIVATE DRIVE ACCESS) -	13
TOTAL -	101

SURVEY FOR:
VILLAGE OF JACKSON
N168W19851 MAIN ST.
JACKSON, WI 53037

SURVEYOR:
KEITH A. KINDRED, PLS S-2082
SEH, INC.
501 MAPLE AVE.
DELAFIELD, WI 53018
(414) 949-8919
KKINDRED@SEHINC.COM



PROJECT JACKV #170026

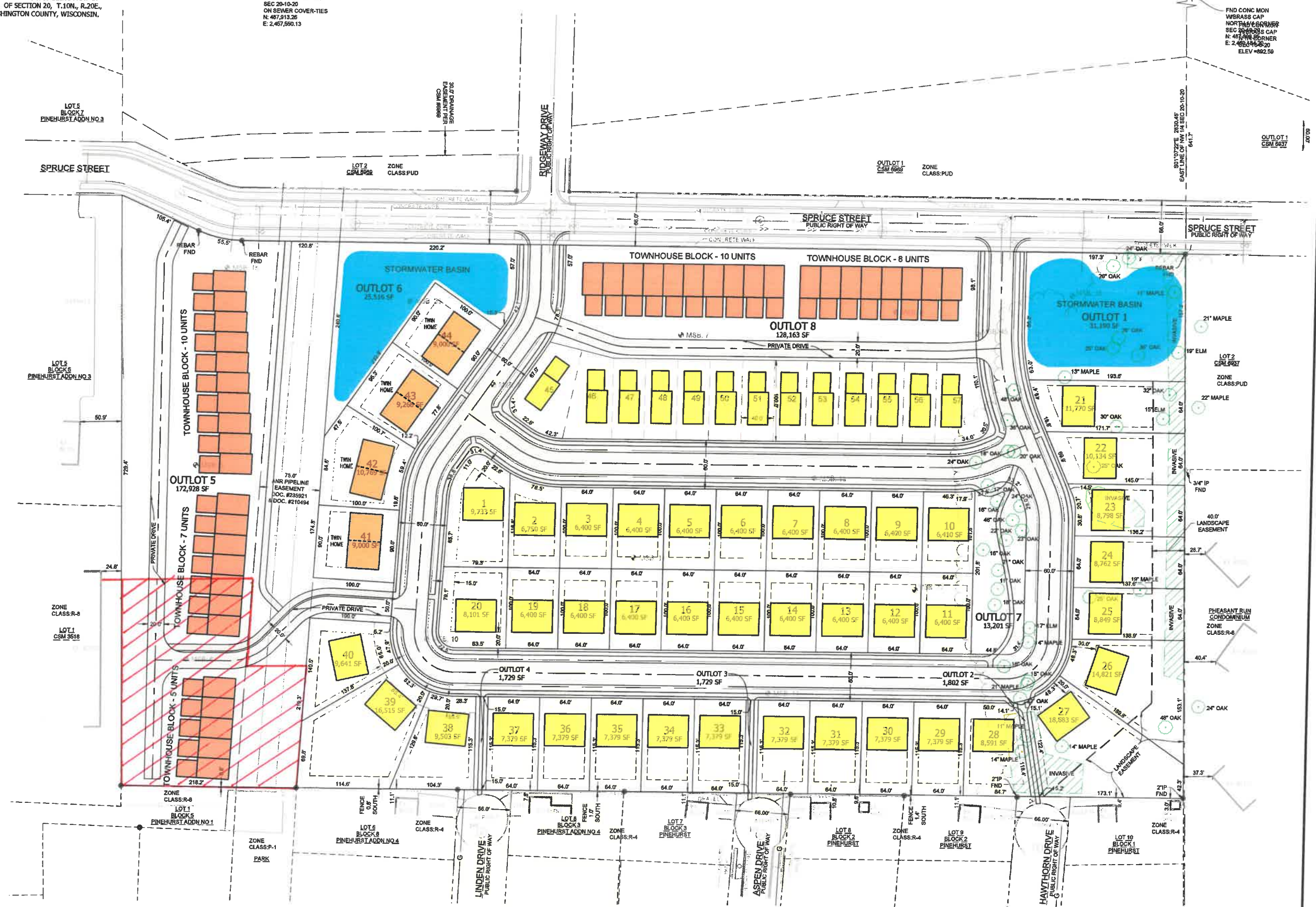
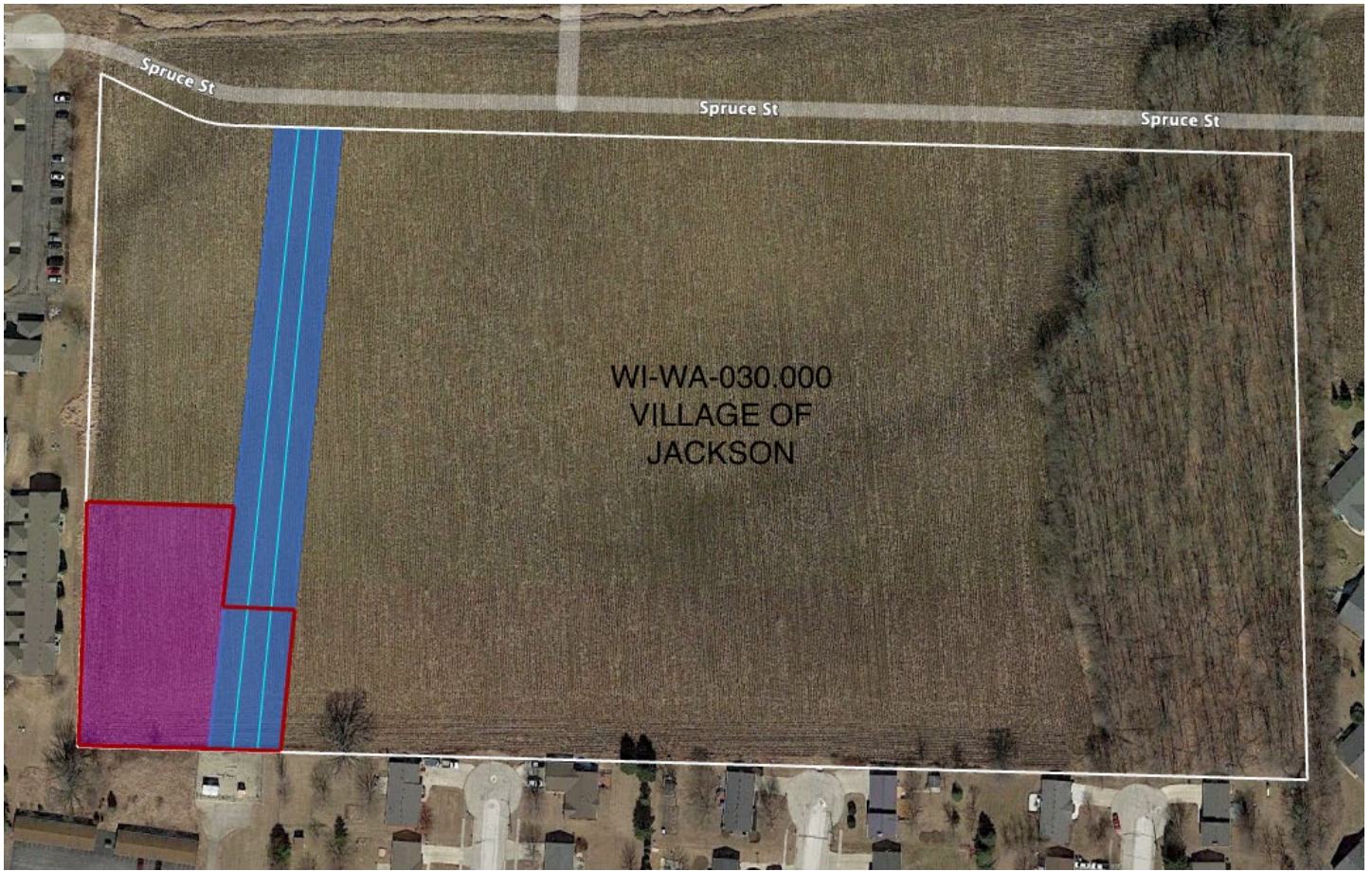


EXHIBIT A



PRELIMINARY – FOR DISCUSSION PURPOSES ONLY
NOT TO BE USED FOR ANY LEGAL RECORDING PURPOSES

LEGEND EXISTING PIPELINES EXISTING PERMANENT EASEMENT ADDITIONAL TEMPORARY WORKSPACE CONSTRUCTION WORK AREA PROPERTY BOUNDARY TEMPORARY ACCESS ROAD	W N E S	SCALE: 1 INCH = 198 FEET	PAGE: 1 / 1	TC Energy
	PROJECT: TCE WISCONSIN RELIABILITY			REV: B
	TAX ID: 053600B	DATE: 3/21/2023		ACCESS ROAD CENTERLINE LENGTH (FEET): 0.00
	EXISTING CENTERLINE (FEET): 675		ACCESS ROAD WORKSPACE (25' WIDE) (AC): 0.00	
	EXISTING EASEMENT (AC): 1.15		TEMPORARY WORKSPACE (AC): 0.00	

WORKSPACE IN EXISTING EASEMENT (AC): 0.26	ADDITIONAL TEMPORARY WORKSPACE (AC): 0.90
STAGING AREA WORKSPACE (AC): 0.00	CONSTRUCTION WORK AREA (AC): 1.16

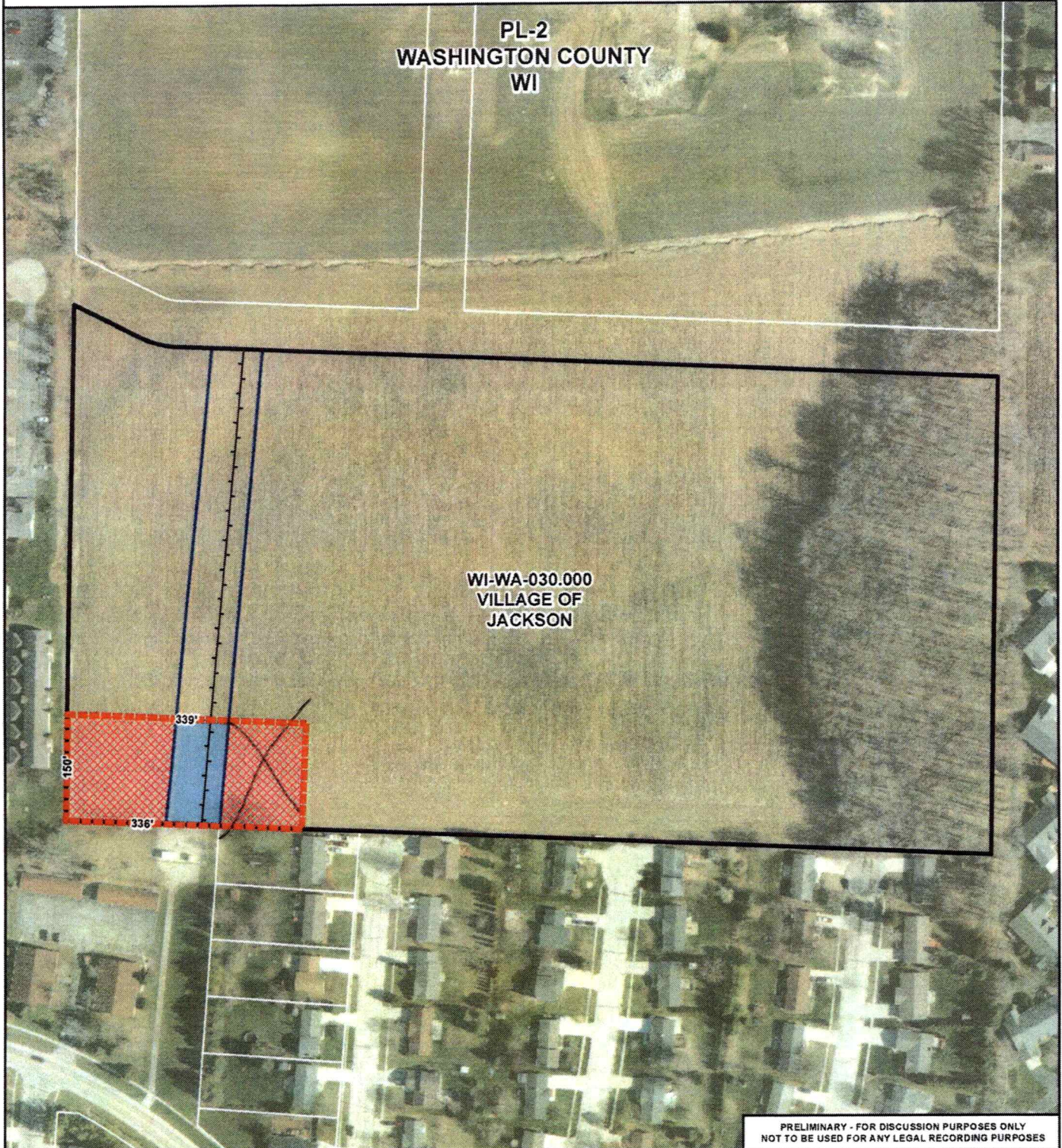
NOTES:

1) This is a workspace exhibit and is not intended to represent a property survey pursuant to the Wisconsin Administrative code, Chapter A-E7, minimum standards for property surveys.

2) All measurements and acreages shown are approximate.

3) * Represents existing permanent easement impacted during construction.

EXHIBIT A



PRELIMINARY - FOR DISCUSSION PURPOSES ONLY
NOT TO BE USED FOR ANY LEGAL RECORDING PURPOSES

LEGEND

- EXISTING PIPELINE CENTERLINE
- PROPOSED PIPELINE CENTERLINE
- ACCESS ROAD CENTERLINE
- EXISTING EASEMENT
- PROPOSED PERMANENT EASEMENT
- WORKSPACE IN EXISTING EASEMENT
- ACCESS ROAD WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- TEMPORARY WORKSPACE
- STAGING AREA WORKSPACE
- CONSTRUCTION WORK AREA
- PROPERTY BOUNDARY



SCALE:
1 INCH = 200 FEET

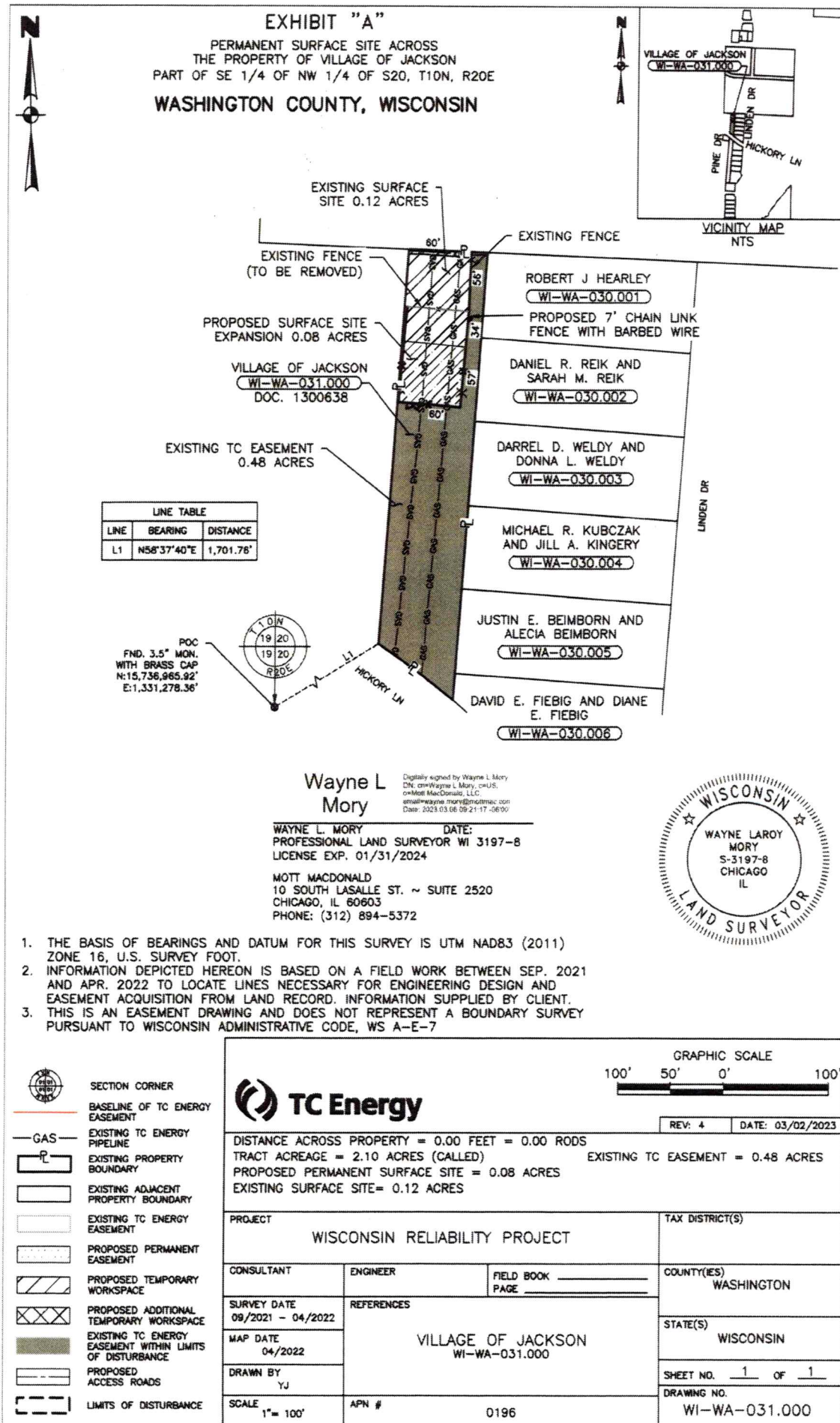
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1 / 1



PROJECT: TCE WISCONSIN RELIABILITY			EXISTING EASEMENT (AC): 1.15	WORKSPACE IN EXISTING EASEMENT (AC): 0.26
TAX ID.: 053600B	DATE: 5/20/2022	REV: A	ACCESS ROAD CENTERLINE LENGTH (FEET): 0.00	
PIPELINE CENTERLINE (FEET): 0			ACCESS ROAD WORKSPACE (25' WIDE) (AC): 0.00	
PROPOSED PERMANENT EASEMENT (AC): 0.00			TEMPORARY WORKSPACE (AC): 0.00	
EXISTING CENTERLINE (FEET): 675			ADDITIONAL TEMPORARY WORKSPACE (AC): 0.90	
STAGING AREA WORKSPACE (AC): 0.00			CONSTRUCTION WORK AREA (AC): 1.16	

NOTES:

- 1) This is a workspace exhibit and is not intended to represent a property survey pursuant to the Wisconsin Administrative code, Chapter A-E7, minimum standards for property surveys.
- 2) All measurements and acreages shown are approximate.
- 3) * Represents existing permanent easement impacted during construction.



Confidential Supplemental Agreement

This Confidential Supplemental Agreement ("**Supplemental Agreement**") is entered into as of the _____ day of _____, 20____, by and between **Village of Jackson**, whose address is **P.O. Box 673, Jackson, Wisconsin 53037**, whether one or more, and their heirs, successors and assigns (the "**Landowner**"), and ANR Pipeline Company, a Delaware corporation, and its successors and assigns ("**ANR**"), with an address of 700 Louisiana Street, Suite 1300, Houston, Texas 77002.

WHEREAS, Landowner and **ANR** entered into that certain Temporary Easement (the "**Agreement**"), attached hereto as Exhibit "A";

WHEREAS, Landowner and **ANR** desire to memorialize certain independent and collateral covenants related to the Agreement in this Supplemental Agreement; and

WHEREAS, the Construction Work Area ("**CWA**") is defined as the entirety of the Workspaces referenced to and defined in the Agreement, including all Temporary, Permanent, and Staging Workspaces in addition to Access Roads more particularly described and defined in Exhibit A.

NOW THEREFORE, in consideration of mutual promises and agreements herein contained and for other good and valuable consideration, the receipt whereof is hereby acknowledged, Landowner and **ANR** do hereby agree as follows:

1. **Confidentiality.** Landowner agrees that this Supplemental Agreement is a confidential agreement and Landowner shall not disclose the existence, conditions or the terms of this Supplemental Agreement to third-parties other than to consult with Landowner's legal, tax, financial, and accounting advisors. In no event shall this Supplemental Agreement be recorded.

2. **Miscellaneous.** The terms of the Agreement are incorporated herein by reference and in the event of any conflict between the Agreement and this Supplemental Agreement, the terms of this Supplemental Agreement shall govern and control. Except for purposes of the construction and enforcement of this Supplemental Agreement, the terms and conditions of the Agreement shall remain unmodified. The Agreement, together with this Supplemental Agreement, constitutes the entire agreement between Landowner and **ANR** with respect to the subject matter hereof, and shall inure to the benefit of and be binding on the Landowner's heirs, successors and assigns and **ANR's** successors and assigns.

3. **Pre-construction assessments.** Prior to the start of construction, **ANR** may conduct various pre-construction baseline assessments, including but not limited to, pond turbidity baseline assessments, septic system impact assessments, water well quality and/or quantity baseline assessments and foundation baseline inspections. **ANR** agrees to provide advance notice of its intention to conduct pre-construction assessments and Landowner agrees to permit the access needed.

4. **De-Watering.** In the event water pumping from ditch lines becomes necessary, **ANR** may place, at its sole discretion, any appropriate de-watering structures, including but not limited to filter bags, straw bales, and/or filter sock, outside of but immediately adjacent to the CWA, as defined in the Agreement. De-watering will be completed in a manner that avoids damaging adjacent agricultural land, crops, and/or pasture. In the event **ANR's** de-watering activities create the need for restoration to Landowner's land, crops, pasture, etc., **ANR** will provide Landowner reasonable compensation to restore such disturbed areas to their pre-construction condition as is nearly practicable.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, intending to be legally bound hereby, the undersigned have duly executed this Supplemental Agreement as of the date set forth above.

WITNESS:

GRANTOR:

Village of Jackson

By: _____

Name: _____

Title: _____

WITNESS:

GRANTEE:

ANR Pipeline Company,
a Delaware corporation

By: _____

Name: _____

Title: _____

By: _____

Name: _____

Title: _____

TEMPORARY EASEMENT

THIS TEMPORARY EASEMENT (this "**Agreement**"), is made as of this ____ day of _____, 20____, by and between **Village of Jackson** (whether one or more, the "**Grantor**"), with an address of **P.O. Box 673, Jackson, Wisconsin 53037**, and **ANR Pipeline Company**, a Delaware corporation, with an address of 700 Louisiana Street, Ste. 700, Houston, Texas 77002 (the "**Grantee**"). Grantor and Grantee are hereinafter sometimes referred to individually as a "**Party**" and collectively as the "**Parties**."

WHEREAS, Grantor is the present owner of certain real property being described in that certain Warranty Deed, dated January 24, 2019, from Schmahl Family Limited Partnership, as to an undivided 1/2 interest to Village of Jackson recorded in the Register of Deeds Office for Washington County, as Document Number 1466506; AND in that certain Trustee's Deed, dated January 24, 2019, from Reuben J. Schmahl Living Trust Dated February 4, 1994, as amended, as to an undivided 1/2 interest to Village of Jackson recorded in the Register of Deeds Office for Washington County, as Document Number 1466507, all identified as parcel number 053600B, being more particularly described as the NE ¼ of the NW ¼ of Section 20, T10N, R20E, Village of Jackson, Washington County, Wisconsin (the "**Property**"); and

WHEREAS, Grantee desires the right to use that certain Temporary Easement Area (as defined below) in connection with the construction of Grantee's Wisconsin Reliability Project (the "**Project**") on, over, under, across and/or through Grantor's Property, in the area more particularly described in Exhibit A attached hereto and incorporated herein.

NOW THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in further consideration of the mutual covenants and promises contained herein, the Parties hereto, intending to be legally bound, hereby promise and agree as follows:

1. **Grant of Temporary Easement.** Grantor, for itself, its heirs, executors, administrators, successors and assigns, hereby grants, sells and conveys to Grantee, for itself, its employees, agents, contractors, subcontractors, successors and assigns the exclusive right, liberty, privilege and easement to use that portion of Grantor's Property described and/or depicted in Exhibit A as "Temporary Workspace", "Additional Temporary Workspace" and/or "Staging Area" (collectively, the "**Temporary Easement Area**") for all purposes associated with the original construction of the Project, including, without limitation, preparation for, construction of, and Grantee's reclamation, mitigation and restoration activities related to, the Project. Grantor hereby agrees that Grantee's rights hereunder include, without limitation, the right to move, park and store vehicles, materials, supplies, equipment, and construction spoil within the Temporary Easement Area. Grantee shall also have all rights and privileges necessary or convenient for the full use of the rights herein granted, including, without limitation reasonably necessary rights of access, ingress and egress to the Temporary Easement Area over and across the Grantor's Property and any adjoining land owned by Grantor, and Grantor hereby agrees that Grantee's rights hereunder include, without limitation, the right to open, construct, improve, repair, maintain and use a new and/or existing road for ingress and egress.

2. **Restoration.** At such time as Grantee no longer requires the use of the Temporary Easement Area for the purposes set forth herein, Grantee shall restore the area disturbed by Grantee's construction activities as near as practicable to its condition immediately prior to Grantee's use. In the instance of any claims of damage to Grantor's land or property, Grantor agrees to provide reasonable access to Grantee so that necessary repair, reclamation, or restoration work can be performed.

3. **Location.** Grantor and Grantee acknowledge that the actual location of the Temporary Easement Area may change because of engineering and/or other site or construction related factors. In such event, Grantor agrees to execute and deliver to Grantee any additional documents needed to correct the legal description of the Temporary Easement Area to conform to the actual location of the Temporary Easement Area. If such documents are required, they will be prepared by Grantee and Grantee's expense.

4. **Term.** This Temporary Easement shall commence on the date of this Agreement and terminate upon completion of the original construction of the Project, including, without limitation, completion of Grantee's reclamation, mitigation, and/or construction activities for the Project.

5. **Further Assurances.** Grantor shall execute and deliver such further instruments and take such other actions as may be reasonably requested by Grantee from time to time to effectuate, confirm or perfect the terms and intent of this Agreement and the rights granted to Grantee hereunder, including but not limited to joining in the execution of any and all governmental applications, authorizations, licenses, documents and title curative instruments.

6. **Additional Rights.** In addition to the rights granted herein, should restoration be required on the Property outside the easement granted herein, Grantee shall have the right to take all actions necessary to complete such restoration and such actions shall not constitute a trespass. Grantee shall pay Grantor the market rate to rent such property utilized during restoration.

7. **Successors and Assigns.** This Agreement and the covenants and agreements contained herein are covenants running with the land, shall be assignable in whole or in part, and shall be binding on and shall inure to the benefit of the Parties hereto and their respective heirs, successors, assigns, executors, administrators, and legal representatives. In the event Grantor intends to sell or transfer the Property prior to the termination of this Agreement, Grantor shall make any such transaction subject to this Agreement. Grantor agrees that Grantee shall have the right, but not the obligation, to record this Agreement at Grantee's sole cost and expense.

8. **Severability.** In the event any provision or any portion of any provision of this Agreement is held by a court of competent jurisdiction to be invalid or unenforceable by reason of any law or public policy, such provision or portion thereof shall be considered to be deleted, and the remainder of this Agreement shall constitute the agreement between the Parties hereto covering the subject matter hereof.

9. **Entire Agreement; Modification.** This Agreement and any exhibits attached hereto constitutes the full and entire agreement of the Parties regarding the subject matter hereof and supersedes all prior or contemporaneous verbal or written agreements, representations or understandings pertaining thereto. This Agreement may be modified or amended only by a written agreement signed by each of the Parties hereto.

10. **Governing Law.** This Agreement shall be governed by the laws of the State in which the Property is located, without regard to conflicts laws or choice of law rules thereof.

11. **Joint Efforts.** The Parties stipulate and agree that this Agreement shall be deemed and considered for all purposes as prepared through the joint effort of the Parties and shall not be construed against one or the other as a result of the preparation, submittal, recording, or other event of negotiation, drafting or execution hereof.

12. **Authority.** Each Party and signatory to this Agreement represents and warrants to the other Party that it has full power, authority and legal rights, and has obtained all approvals necessary, to execute, deliver and perform this Agreement. Grantor binds itself, its heirs, successors, assigns, executors, administrators, and legal representatives to warrant and forever defend the interests and rights conveyed

herein unto Grantee, its successors and assigns, against every person whomsoever lawfully claims the same or any part thereof.

13. **Counterparts**. This Agreement may be executed in any number of counterparts, each of which shall constitute an original, but all of which shall constitute but one and the same instrument.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK;
SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

WITNESS:

GRANTOR:

Village of Jackson

By: _____

Name: _____

Title: _____

WITNESS:

GRANTEE:

ANR Pipeline Company,
a Delaware corporation

By: _____

Name: _____

Title: _____

By: _____

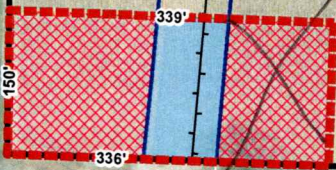
Name: _____

Title: _____

EXHIBIT A

PL-2
WASHINGTON COUNTY
WI

WI-WA-030.000
VILLAGE OF
JACKSON



PRELIMINARY - FOR DISCUSSION PURPOSES ONLY
NOT TO BE USED FOR ANY LEGAL RECORDING PURPOSES

LEGEND

- EXISTING PIPELINE CENTERLINE
- PROPOSED PIPELINE CENTERLINE
- ACCESS ROAD CENTERLINE
- EXISTING EASEMENT
- PROPOSED PERMANENT EASEMENT
- WORKSPACE IN EXISTING EASEMENT
- ACCESS ROAD WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- TEMPORARY WORKSPACE
- STAGING AREA WORKSPACE
- CONSTRUCTION WORK AREA
- PROPERTY BOUNDARY



SCALE:
1 INCH = 200 FEET

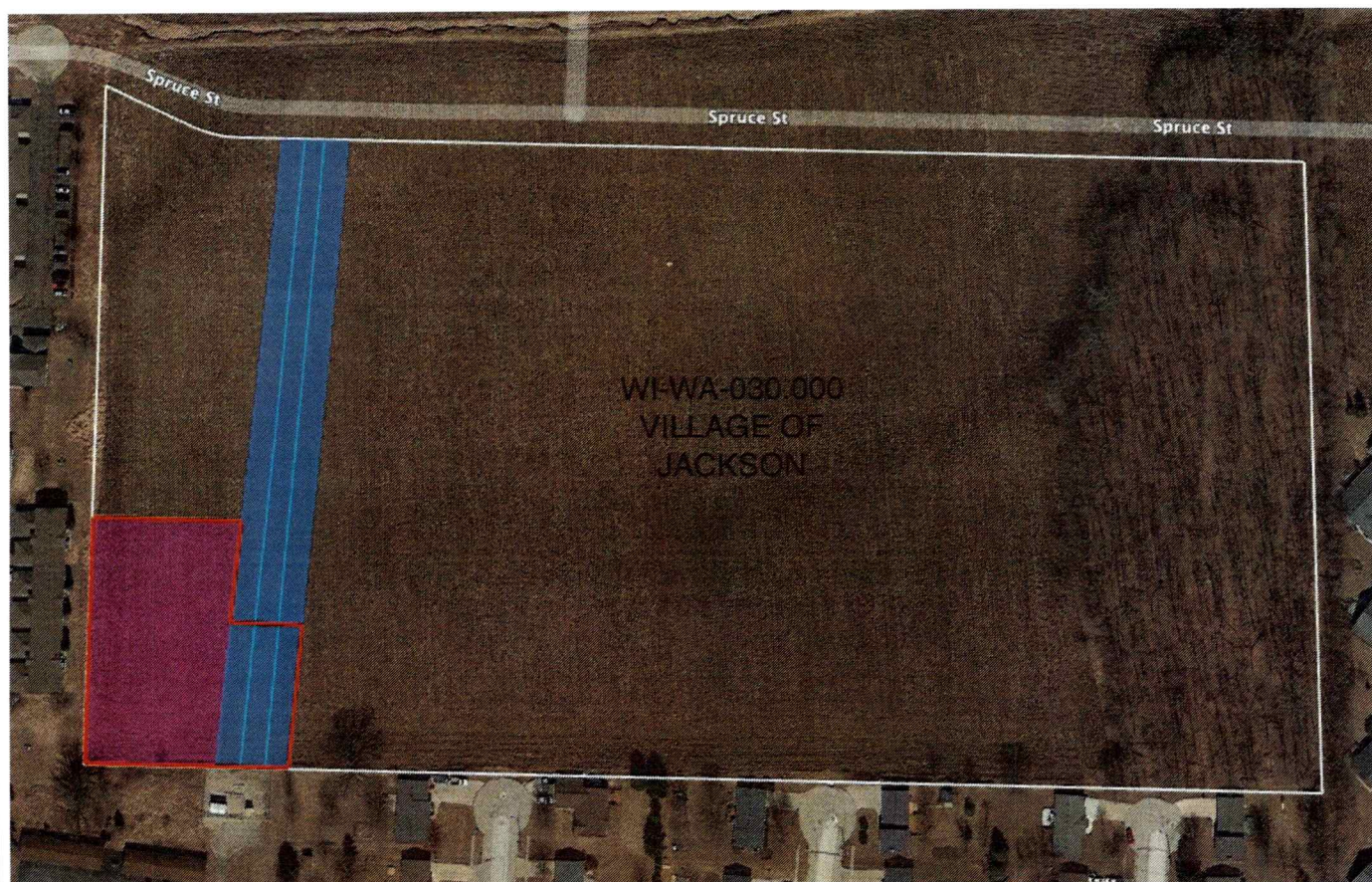
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PROJECT: TCE WISCONSIN RELIABILITY			EXISTING EASEMENT (AC): 1.15	WORKSPACE IN EXISTING EASEMENT (AC)*: 0.26
TAX ID.: 053600B	DATE: 5/20/2022	REV: A	ACCESS ROAD CENTERLINE LENGTH (FEET): 0.00	
PIPELINE CENTERLINE (FEET): 0			ACCESS ROAD WORKSPACE (25' WIDE) (AC): 0.00	
PROPOSED PERMANENT EASEMENT (AC): 0.00			TEMPORARY WORKSPACE (AC): 0.00	
EXISTING CENTERLINE (FEET): 675			ADDITIONAL TEMPORARY WORKSPACE (AC): 0.90	
STAGING AREA WORKSPACE (AC): 0.00			CONSTRUCTION WORK AREA (AC): 1.16	

NOTES:
1) This is a workspace exhibit and is not intended to represent a property survey pursuant to the Wisconsin Administrative code, Chapter A-E7, minimum standards for property surveys.
2) All measurements and acreages shown are approximate.
3) * Represents existing permanent easement impacted during construction.

EXHIBIT A



**PRELIMINARY – FOR DISCUSSION PURPOSES ONLY
NOT TO BE USED FOR ANY LEGAL RECORDING PURPOSES**

LEGEND EXISTING PIPELINES EXISTING PERMANENT EASEMENT ADDITIONAL TEMPORARY WORKSPACE CONSTRUCTION WORK AREA PROPERTY BOUNDARY TEMPORARY ACCESS ROAD	W N E S SCALE: 1 INCH = 198 FEET PAGE: 1 / 1			
	PROJECT: TCE WISCONSIN RELIABILITY		REV: B	
	TAX ID: 053600B	DATE: 3/21/2023	ACCESS ROAD CENTERLINE LENGTH (FEET): 0.00	
	EXISTING CENTERLINE (FEET): 675		ACCESS ROAD WORKSPACE (25' WIDE) (AC): 0.00	
	EXISTING EASEMENT (AC): 1.15		TEMPORARY WORKSPACE (AC): 0.00	
WORKSPACE IN EXISTING EASEMENT (AC): 0.26		ADDITIONAL TEMPORARY WORKSPACE (AC): 0.90		
STAGING AREA WORKSPACE (AC): 0.00		CONSTRUCTION WORK AREA (AC): 1.16		

NOTES:

1) This is a workspace exhibit and is not intended to represent a property survey pursuant to the Wisconsin Administrative code, Chapter A-E7, minimum standards for property surveys.

2) All measurements and acreages shown are approximate.

3) * Represents existing permanent easement impacted during construction.

NOTES:

- 1) This is a workspace exhibit and is not intended to represent a property survey pursuant to the Wisconsin Administrative code, Chapter A-E7, minimum standards for property surveys.
- 2) All measurements and acreages shown are approximate.
- 3) * Represents existing permanent easement impacted during construction.

Confidential Supplemental Agreement

This Confidential Supplemental Agreement ("**Supplemental Agreement**") is entered into as of the ____ day of _____, 20____, by and between **Village of Jackson, Washington County, Wisconsin, a municipal corporation**, whose address is **N168W19851 Main Street, Jackson, Wisconsin 53037**, whether one or more, and their heirs, successors and assigns (the "**Landowner**"), and ANR Pipeline Company, a Delaware corporation, and its successors and assigns ("**ANR**"), with an address of 700 Louisiana Street, Suite 1300, Houston, Texas 77002.

WHEREAS, Landowner and **ANR** entered into that certain Surface Use Agreement (the "**Agreement**"), attached hereto as Exhibit "A";

WHEREAS, Landowner and **ANR** desire to memorialize certain independent and collateral covenants related to the Agreement in this Supplemental Agreement; and

WHEREAS, the Construction Work Area ("**CWA**") is defined as the entirety of the Workspaces referenced to and defined in the Agreement, including all Temporary, Permanent, and Staging Workspaces in addition to Access Roads more particularly described and defined in Exhibit A.

NOW THEREFORE, in consideration of mutual promises and agreements herein contained and for other good and valuable consideration, the receipt whereof is hereby acknowledged, Landowner and **ANR** do hereby agree as follows:

1. **Confidentiality.** Landowner agrees that this Supplemental Agreement is a confidential agreement and Landowner shall not disclose the existence, conditions or the terms of this Supplemental Agreement to third-parties other than to consult with Landowner's legal, tax, financial, and accounting advisors. In no event shall this Supplemental Agreement be recorded.

2. **Miscellaneous.** The terms of the Agreement are incorporated herein by reference and in the event of any conflict between the Agreement and this Supplemental Agreement, the terms of this Supplemental Agreement shall govern and control. Except for purposes of the construction and enforcement of this Supplemental Agreement, the terms and conditions of the Agreement shall remain unmodified. The Agreement, together with this Supplemental Agreement, constitutes the entire agreement between Landowner and **ANR** with respect to the subject matter hereof, and shall inure to the benefit of and be binding on the Landowner's heirs, successors and assigns and **ANR's** successors and assigns.

3. **Pre-construction assessments.** Prior to the start of construction, **ANR** may conduct various pre-construction baseline assessments, including but not limited to, pond turbidity baseline assessments, septic system impact assessments, water well quality and/or quantity baseline assessments and foundation baseline inspections. **ANR** agrees to provide advance notice of its intention to conduct pre-construction assessments and Landowner agrees to permit the access needed.

4. **De-Watering.** In the event water pumping from ditch lines becomes necessary, **ANR** may place, at its sole discretion, any appropriate de-watering structures, including but not limited to filter bags, straw bales, and/or filter sock, outside of but immediately adjacent to the CWA, as defined in the Agreement. De-watering will be completed in a manner that avoids damaging adjacent agricultural land, crops, and/or pasture. In the event **ANR's** de-watering activities create the need for restoration to Landowner's land, crops, pasture, etc., **ANR** will provide Landowner reasonable compensation to restore such disturbed areas to their pre-construction condition as is nearly practicable.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, intending to be legally bound hereby, the undersigned have duly executed this Supplemental Agreement as of the date set forth above.

WITNESS:

GRANTOR:

**Village of Jackson, Washington County,
Wisconsin, a municipal corporation**

By: _____

Name: _____

Title: _____

WITNESS:

GRANTEE:

**ANR Pipeline Company,
a Delaware corporation**

By: _____

Name: _____

Title: _____

By: _____

Name: _____

Title: _____

SURFACE USE AGREEMENT

Tract Number: WI-WA-031.000

Old ROW No.: 207-09-1

ROW Doc. No.:

THIS SURFACE USE AGREEMENT (this "Agreement") is made as of the _____ day of _____, 20____, by and between **Village of Jackson, Washington County, Wisconsin, a municipal corporation**, whose address is **N168W19851 Main Street, Jackson, Wisconsin 53037** ("Grantor") and **ANR Pipeline Company**, a Delaware corporation, with an address of 700 Louisiana Street, Ste. 700, Houston, Texas 77002 ("Grantee").

FOR AND IN CONSIDERATION OF THE SUM OF Ten Dollars (\$10.00) and other valuable consideration in hand paid, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

After recording return to:
Ohio Valley Acquisition
1305 N Barker Rd. Suite 5
Brookfield, WI 53045

Parcel No. 0196

1. Grantor, for itself, its heirs, executors, administrators, successors and assigns, hereby grants to Grantee, for itself, its employees, agents, contractors, subcontractors, successors and assigns, the perpetual and exclusive right to lay, install, construct, excavate, fabricate, reconstruct, operate, maintain, alter, replace, move, remove, and/or abandon in place meter buildings, pipelines, regulators, launchers, receivers, gate valves, blow-offs, pipe fittings, pumps, generators, processing and treating equipment, launching-receiving equipment, regulators, communication wires, communication towers, cables, conduits, electrical and telephone facilities, regulators and appurtenances, with housing therefore, in connection with construction, operation and maintenance of Grantee's pipeline, upon a tract of land located on certain real property being described in that certain Quitclaim Deed, dated March 13, 2001, from Citizens/Weis Corporation to Village of Jackson, Washington County, Wisconsin, a municipal corporation recorded in the County Recorder's Office for Washington County, Wisconsin in Document Number 886897, with property tax parcel identification number 0196 and being that part of the Southeast ¼ of the Northwest ¼, Section 20, Town 10 North, Range 20 East, in the Village of Jackson, Washington County, Wisconsin (the "Property"). Parcel to be acquired being more particularly described as a rectangular shape being approximately fifty-seven (57') feet in width by sixty (60') feet in length and abutting the south side of GRANTEE'S existing Surface Use area and total areas containing 0.08 acres (4560 square feet), subject to restriction, reservations, right-of-way, and easements of record and as further shown on Exhibit A attached hereto and made a part hereof (the "Surface Area").

2. Grantee shall have the right of ingress and egress over the Property for the purposes of accessing the Surface Area, and the right to erect, maintain and remove a fence around the Surface Area or any part thereof. Grantee's rights hereunder further include, without limitation, the right to erect, maintain and remove fencing in or around the M.L.V. Site or any part thereof.

3. Grantee shall not be liable for any damage to the surface of the Surface Area nor to crops, timber or improvements thereon, but shall pay to Grantor and to any tenant or lessee entitled thereto, as their respective interests may appear, all damages to fences, growing crops and timber located on adjoining lands of Grantor which may arise from the exercise of the rights herein granted. Grantee agrees to repair all tile cut during construction of its facilities.

4. The rights granted herein shall continue until any of the facilities or appliances mentioned above be constructed upon the above-described real estate and so long thereafter as they, or any of them, be maintained thereon. The rights granted herein may be assigned in whole or in part.

5. This Agreement and the covenants and agreements contained herein are covenants running with the land, shall be assignable in whole or in part, and shall be binding upon and shall inure to the benefit of the parties hereto and their respective heirs, assigns, successors, executors, administrators, and legal representatives.

6. In the event any provision or any portion of any provision of this Agreement is held by a court of competent jurisdiction to be invalid or unenforceable by reason of any law or public policy, such provision or portion thereof shall be considered to be deleted, and the remainder of this Agreement shall constitute the agreement between the parties hereto covering the subject matter hereof.

7. This Agreement and any exhibits attached hereto constitutes the full and entire agreement of the parties regarding the subject matter hereof and supersedes all prior or contemporaneous verbal or written agreements, representations or understandings pertaining thereto. This Agreement may be modified or amended only by a written agreement signed by each of the parties hereto.

8. This Agreement shall be governed by the laws of the State in which the Property is located, without regard to conflicts laws or choice of law rules thereof.

9. Each party and signatory to this Agreement represents and warrants to the other party that it has full power, authority and legal rights, and has obtained all approvals necessary, to execute, deliver and perform this Agreement.

10. This Agreement may be executed in any number of counterparts, each of which shall constitute an original, but all of which shall constitute but one and the same instrument.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK;
SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

WITNESS:

GRANTOR:

**Village of Jackson, Washington County,
Wisconsin, a municipal corporation**

By: _____

Name: _____

Title: _____

ACKNOWLEDGMENT OF GRANTOR

STATE OF _____,

COUNTY OF _____, to-wit:

Before me, the undersigned officer, personally appeared _____, who acknowledged themselves to be the _____ of the **Village of Jackson, Washington County, Wisconsin, a municipal corporation**, and that he/she, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing on behalf of the Village of Jackson, Washington County, Wisconsin, a municipal corporation.

Given under my hand and official seal this ____ day of _____, 20 ____.

My commission expires _____.

[SEAL]

Notary Public

ANR Pipeline Company,
a Delaware corporation

Name: _____

Name: _____

Title: _____

STATE OF _____,

COUNTY OF _____, to-wit:

Given under my hand and official seal this _____ day of _____, 20____.

My commission expires _____.

Page 4 of 5

WI-WA-031.000

STATE OF _____,
COUNTY OF _____, to-wit:

Before me, the undersigned officer, personally appeared _____, who acknowledged themselves to be the _____ of **ANR Pipeline Company**, a Delaware corporation, and that he/she, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing on behalf of the company.

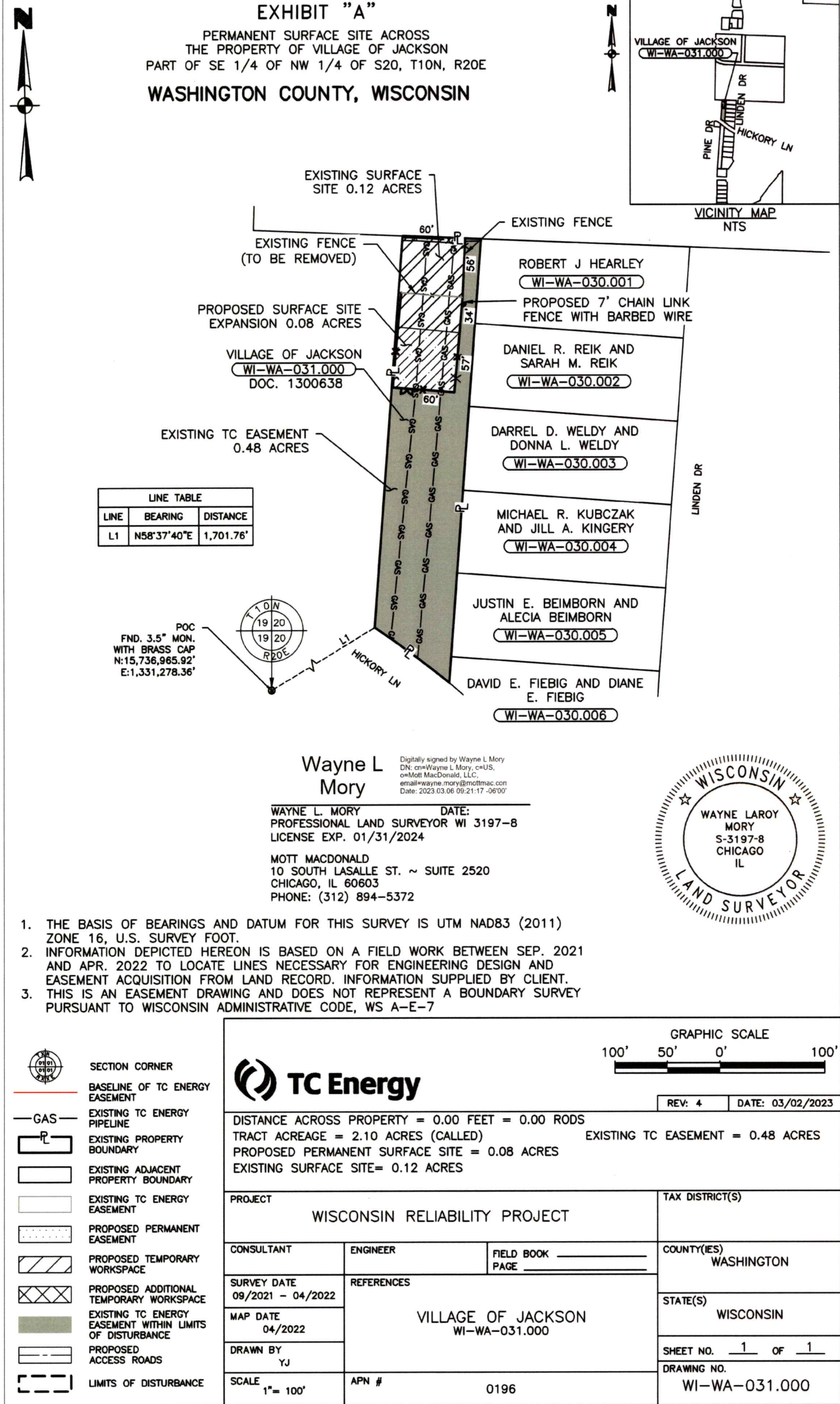
Given under my hand and official seal this _____ day of _____, 20____.
My commission expires _____.

[SEAL]

Notary Public

This instrument was prepared by:

Alyssa Trepl
Ohio Valley Acquisition
1305 N Barker Rd. Suite 8
Brookfield, WI 53045



Memo

To: Jen Keller, Village Administrator
From: Brian W. Kober, P. E., Director of Public Works/Village Engineer
Subject: Proposed Stop Signs – Sherman Parc & Maplefields Subdivisions
Date: May 26, 2023
CC: Board of Public Works; Village Board

Attached is proposed stops signs for the subdivisions of Sherman Parc and Maplefields.

The Sherman Parc Subdivision are being requested by Police Chief Voseskuil as described in the attached Memo with published date of April 28, 2023.

Since, the Village is changing Village Code Chapter 42-26 – Stop and yield intersections designated, the Maplefields Subdivision stop signs have been added to the change.

Ordinance #23-08 has been drafted to incorporate the proposed stop signs.

If you have any questions, please let me know.

Brian W. Kober, P.E.

MEMO

To Brian Kober, Director of Public Works/ Village Engineer
From Ryan Vossekui, Chief of Police
Date April 28, 2023
Subject Stop Sign Recommendations

A citizen reached out to the Police Department to request stop signs be placed on Sherman Parc Court, at the intersection with Sherman Park Circle. The citizen reports that the uncontrolled intersection has had “near misses” and there are often dangerous speeds on Sherman Park Circle.

I have inspected the area and agree that the intersection should be upgraded to a controlled intersection. When approaching the intersection from Sherman Park Court, the sight lines are limited to the South. In addition, there are eleven residences on Sherman Parc Court which is generating enough traffic to warrant the stop sign.

My recommendation is to erect a single stop sign on Sherman Parc Court, as it intersects with Sherman Parc Circle.

I also recommend placing a single stop sign on East Gate Drive as it intersects with Sherman Parc Circle.

Adding the stop signs at both of these locations will enhance traffic safety and is in line with the Village’s stop sign usage throughout the rest of the Village.

There are no objections to this plat with respect to Secs. 236.15, 236.16, 236.20 and 236.21(1) and (2), Wis Stats. as provided by a 236.12, Wis. Stats.

Certified *October 26th 2015*

Renee L. Poney
Department of Administration

SHERMAN PARC

BEING A PART OF THE NE 1/4, AND THE NW 1/4 OF THE NE 1/4 OF SECTION 29, T10N, R20E, IN THE TOWN OF JACKSON, WASHINGTON COUNTY, WISCONSIN.

NW CORNER
NE 1/4 SEC. 29-10-20
6" CONC. MON.
W/BRASS CAP
N 482.631.02
E 2481.026.31

UNPLATTED LANDS

BLOCK 4

CEDAR RUN

BLOCK 6

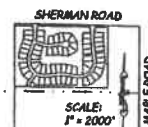
UNPLATTED LANDS

C/L OF SHERMAN ROAD

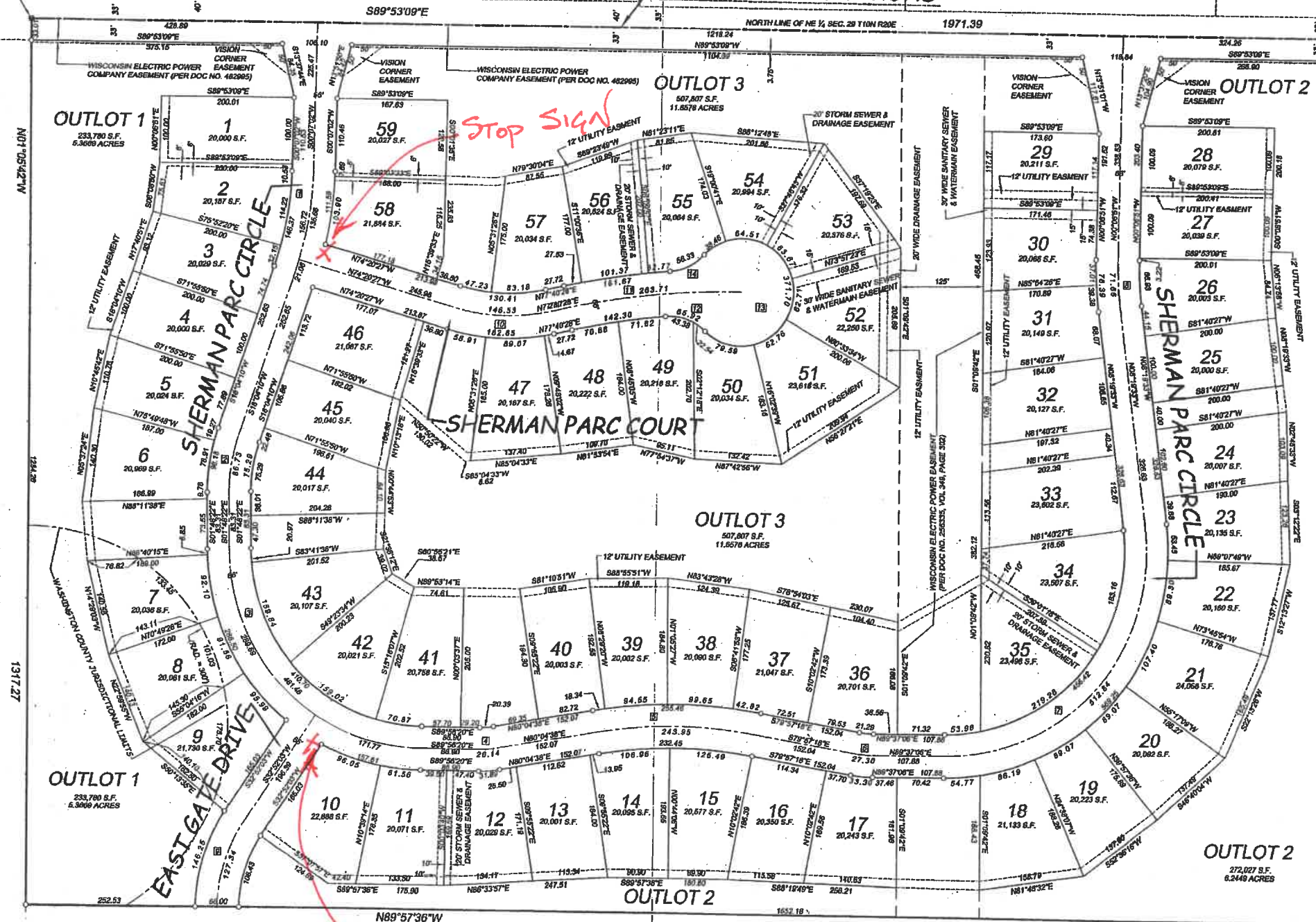
UNPLATTED LANDS

UNPLATTED LANDS

NE CORNER
NE 1/4 SEC. 29-10-20
6" CONC. MON.
W/BRASS CAP
N 482.626.28
E 2484.486.53

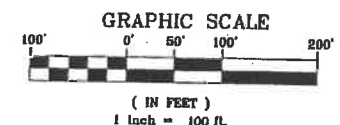


VICINITY SKETCH
NE 1/4 SEC. 29 T10N R20E



NOTE:
1) - DENOTES 1.270(10.0) x 18" #10 REBAR, 4.303 LBS. PER LINEAL FOOT UNLESS OTHERWISE NOTED.
2) 1.05(10.0) x 18" IRON PIPE, 1.13 LBS. PER LINEAL FOOT AT ALL OTHER LOT CORNERS
3) ALL DISTANCES TO THE NEAREST 0.01'
4) ALL BEARINGS ARE REFERRED TO GRID NORTH OF WISCONSIN STATE PLANE CO-ORDINATE SYSTEM, SOUTH ZONE. THE NORTH LINE OF THE NE 1/4 SECTION 29 BEARS N 89°30'00" W. (N.A.D. 1983)
5) ALL AREAS ARE TO THE NEAREST SQUARE FOOT.
6) OUTLOTS 1, 2, 3 SHALL BE OWNED IN COMMON BY THE OWNERS OF LOTS IN THIS SUBDIVISION WITH AN UNDIVIDED INTEREST. THE OWNERS SHALL MAINTAIN SAID OUTLOTS IN UNOBSTRUCTED CONDITION AS TO MAINTAIN THEIR OPEN SPACE INTENT AND PURPOSE.
7) THE VILLAGE OF JACKSON IS HERBY GRANTED AN EASEMENT TO MAINTAIN THE SANITARY SEWER, STORM SEWER AND WATER MAIN LOCATED WITHIN THE PUBLIC STREETS, EASEMENTS AND OUTLOTS CONTAINED HEREON.

VISION CORNER RESTRICTION:
PLANTING OF BERRIES, FENCES, SIGNS AND ANY OTHER STRUCTURES SHALL NOT EXCEED 30 INCHES IN HEIGHT ABOVE THE INTERSECTION ELEVATION, EXCEPT FOR NECESSARY HIGHWAY AND TRAFFIC SIGNS, PUBLIC UTILITY LINES AND OPEN FENCES THROUGH WHICH THERE IS CLEAR VISION, NOR SHALL ANY DRIVEWAYS BE PERMITTED WITHIN SAID VISION CORNER.



SETBACKS & OFFSETS
FRONT = 42 FEET
SIDE = 10 FT. MIN. / 25 FT. TOTAL
REAR = 50 FEET



REVISED 7/23/15

EDGEWOOD ENGINEERING GROUP INC.

civil engineering land surveying site planning
371 W23325 NATIONAL AVE. STE. 5 BIG BEND WISCONSIN 53103
(262)662-5002 fax (262)662-5012

THIS INSTRUMENT DRAFTED BY CHRISTOPHER J. KUNKEL S-1755

MAPLE FIELDS

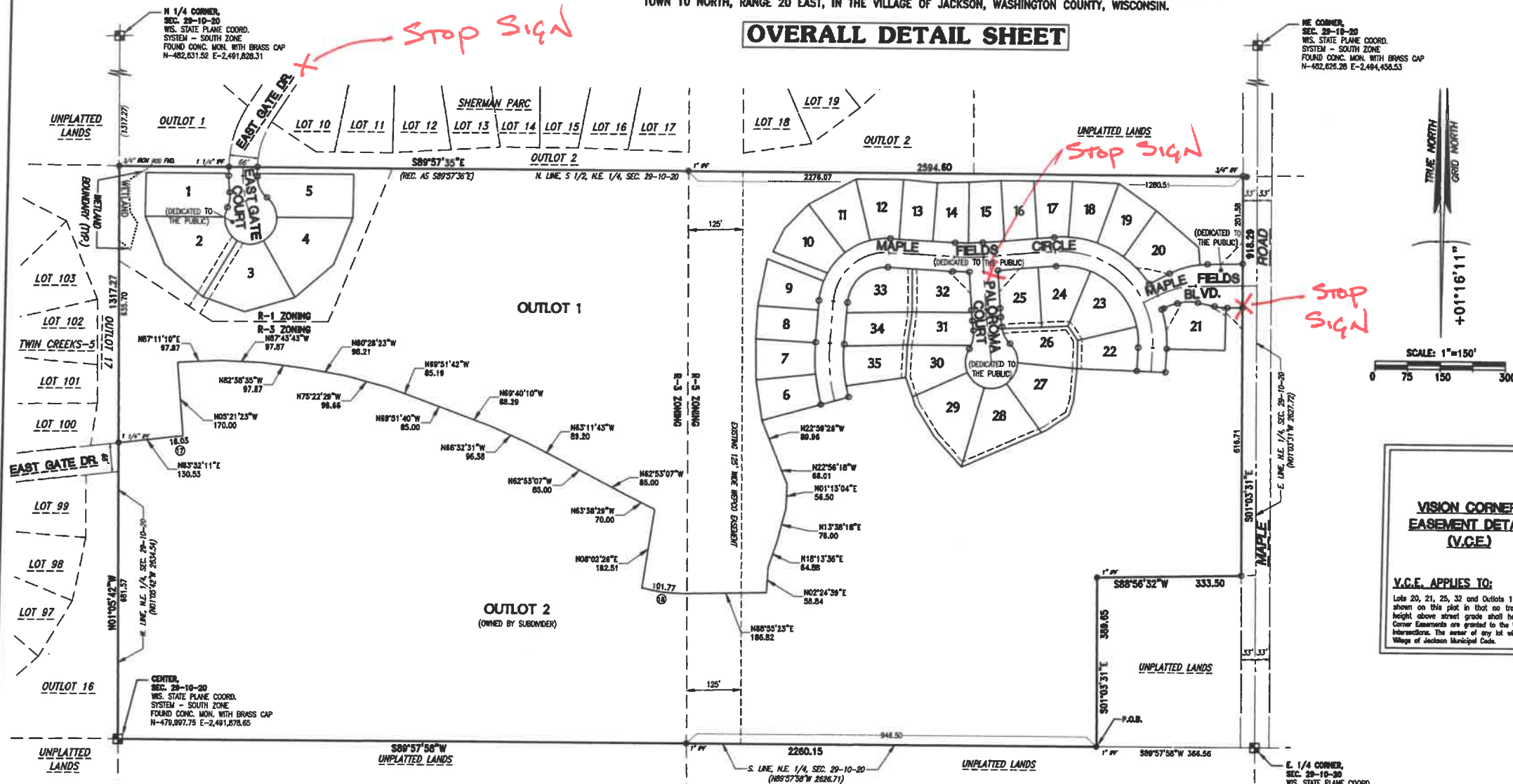
BEING A SUBDIVISION OF A PART OF THE SOUTHWEST 1/4 AND SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 29,
TOWN 10 NORTH, RANGE 20 EAST, IN THE VILLAGE OF JACKSON, WASHINGTON COUNTY, WISCONSIN.

OVERALL DETAIL SHEET

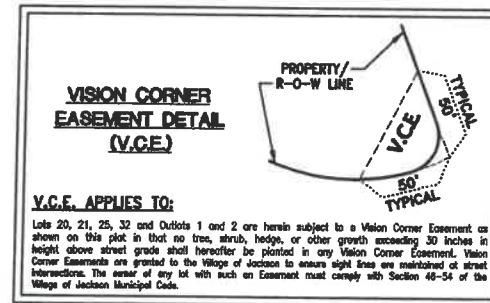


4100 N. Calhoun Road
Suite 300
Brookfield, WI 53005
Phone: (262) 790-1400
Fax: (262) 790-1401

OWNER:
MAPLE FIELDS, LLC
K27W24025 PAUL COURT, STE. 100
PEWAUKEE, WI 53072
PHONE: (262) 542-8200
FAX: (262) 348-8324



SCALE: 1"=150'
0 75 150 300



GENERAL NOTES:

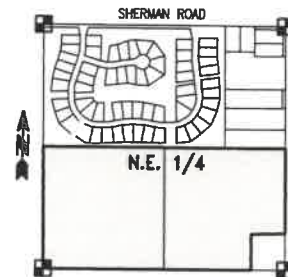
- Indicates Set 1.270" outside diameter x 18" long Reinforcing Bar weighing 4.303 lbs. per lineal foot. All other Lot and Outlot corners are staked with 0.750" outside diameter x 18" long Reinforcing Bar weighing 1.502 lbs. per lineal foot.
- Indicates Found Monumentation (See Plat).
- All linear measurements have been made to the nearest one-hundredth of a foot.
- All angular measurements have been made to nearest second and computed to the nearest half-second.
- All bearings are referenced to Grid North of the Wisconsin State Plane Coordinate System, South Zone (NAD-27), in which the East line of the N.E. 1/4 of Section 29, Town 10 North, Range 20 East, bears North 01°03'31" West.
- The Easements for Sanitary Sewer, Storm Sewer and Drainage are herein granted to the Village of Jackson.
- The Owners of the residential Lots 1 through 35 within the "Maple Fields" Subdivision and any future additions to this subdivision, shall each own an equal undivided fractional interest in Outlot 1 of this Subdivision. The use and maintenance of Outlot 1 is governed by a land management plan approved by the Village of Jackson as contained within the Developer's Agreement. Washington County shall not be liable for fees or special charges in the event they become the owner of any Lot or Outlot in the Subdivision by reason of tax delinquency.
- Outlot 2 to be retained by the Owner for future development.
- Wetland was delineated by STANTEC in May 2018 and field located by Trio Engineering, LLC in May 2018.
- Stormwater Management Facilities are located on Outlot 1 of this Subdivision. The Owners of the residential Lots within this Subdivision and any future additions to this Subdivision shall each be liable for an equal undivided fractional share of the cost to repair, maintain or restore said Stormwater Management Facilities within this Subdivision. Said repairs, maintenance and restoration shall be performed by the Owners of all Lots within this Subdivision and any future additions to this Subdivision consistent with the Stormwater Management Plan contained in the Developer's Agreement recorded for this subdivision in the Washington County Register of Deeds office.
- Stormwater management practices are located in Outlot 1 of this subdivision. There are one or more separate documents recorded on the property title through the Washington County register of deeds entitled "Stormwater Management Practice Maintenance Agreement" ("Maintenance Agreement") that apply to Outlots. The Maintenance Agreement subjects this Subdivision Plat, and all Lot Owners therein, to covenants, conditions, and restrictions necessary to ensure the long-term maintenance of the storm water management practice. The Agreement also outlines a process by which the Village of Jackson may levy and collect special assessments or charges for any services the community might provide relating to enforcement of the Maintenance Agreement.

PRESERVATION RESTRICTIONS:

The Wetland Preservation Areas shown on this Plat shall be subject to the following restrictions:

1. Grading, filling, and excavation shall be prohibited in said Preservation Area. Except as may be required for Nature Walking Trails.
2. Construction of buildings within said Preservation Area shall be prohibited.
3. Removal or destruction of any vegetative cover, i.e., trees, shrubs, wildflowers, sedges, grasses, and the like, shall be prohibited with the exception of dead or diseased vegetation removal and noxious weeds as defined in the local municipality weed control ordinance, except as may be required for Nature Walking Trails.
4. Introduction of plant material not indigenous to the existing environment of the Preservation Area shall be prohibited in the Preservation Area.
5. Grazing by domesticated animals (e.g., horses and cows) shall be prohibited within said Preservation Area.
6. Creation and use of nature walking trails within the Preservation Area shall be permitted so long as such use is in conformance with existing topography.

BUILDING SETBACK SUMMARY	
DEVELOPMENT:	
R-1 (LOTS 1-5)	
MIN. FRONT SETBACK:	30 FT.
MIN. REAR SETBACK:	25 FT.
MIN. SIDE SETBACK:	15 FT.
R-5 (LOTS 6-35)	
MIN. FRONT SETBACK:	25 FT.
MIN. REAR SETBACK:	25 FT.
MIN. SIDE SETBACK:	8 FT.



LOCALITY MAP:
N.E. 1/4, SEC. 29,
T. 10 N., R. 20 E.
SCALE: 1"=1000'

There are no objections to this plat with respect to
Secs. 236.15, 236.16, 236.20 and 236.21(1) and (2),
Wis Stats. as amended by s. 236.22, Wis. Stats.

Certified _____, 20__

Department of Administration



ORDINANCE #23-08

AMENDING CHAPTER 42 OF THE VILLAGE CODE REGARDING Sec. 42-26 – Stop and yield intersections designated

**THE VILLAGE BOARD OF THE VILLAGE OF JACKSON, WASHINGTON COUNTY,
WISCONSIN,** does hereby ordain the following changes to the Village Code:

SECTION I. Chapter 42 Section 26 a. and b. of the Village Code of the Village of Jackson is hereby recreated to read as follows:

(a) The following village streets are designated arterial and collector streets. All traffic entering such streets is to stop or yield for the posted signs. Arterial and collector streets are:

- (1) Center Street (Tower Drive to Parkway Drive).
- (2) Chateau Drive (Wilshire to Willow Ridge Drive).
- (3) County Highway P (North to South Limits).
- (4) Eagle Drive (Main to Hickory), except for the four-way stop intersection at Hickory.
- (5) Glen Brooke Drive (Main to Glen Hill Drive).
- (6) Glen Hill Drive (Parkway Drive to Glen Brook Drive).
- (7) Hickory Lane (Sherman Road to Jackson Drive).
- (8) Highland Road (Jackson Drive to East Limits).
- (9) Hunters Road (Jackson Drive to Chateau Drive).
- (10) Industrial Drive (Main to Metro Court).
- (11) Jackson Drive (North to South Limits), except at the intersection of Main Street (STH 60) which is controlled by automatic traffic signals.
- (12) Main Street (STH 60) (East to West Limits), except at its intersection with CTH P and its intersection with Jackson Drive which are controlled by automatic traffic signals.
- (13) Parkview Drive (Hazelwood Lane to Ridge Road).
- (14) Ridgeway Drive (Main Street to Highland Road).
- (15) Sherman Road (East to West Limits).

- (16) Western Avenue (Main Street to Parkway Drive).
 - (17) Wilshire Drive (Georgetown Drive to Jackson Drive).
 - (18) Riverview Drive (Jackson Drive to The Northern Intersection with Songbird Circle).
 - (19) Francis Drive from Raymond Drive to Creekside Drive.
 - (20) Cedar Creek Road (CTH P to Jackson Drive).
- (b) In addition, all traffic entering the following streets is to stop or yield for the posted signs:
- (1) Ash Drive at Pine Drive.
 - (2) Cedar Park Court at Cedar Parkway.
 - (3) Colonial Lane at Westfield Drive.
 - (4) Georgetown Drive at Wilshire Drive/Park Court.
 - (5) Hemlock Street at Spruce Street.
 - (6) Juniper Street at Pine Drive.
 - (7) Oakland Drive at Cedar Run Drive.
 - (8) Parkview Drive at Ridge Road.
 - (9) Parkway Drive at Glencoe Lane.
 - (10) Scot Court at South Street.
 - (11) Valley Drive at North View Drive.
 - (12) Laurel Springs Circle at Hidden Creek Road
 - (13) Crestview Drive at Laurel Springs Circle
 - (14) Parkview Drive at Crestview Drive
 - (15) **Sherman Parc Court at Sherman Parc Circle**
 - (16) **East Gate Court at Sherman Parc Circle**
 - (17) **Palorama Court at Maple Fields Circle**
 - (18) **Maple Fields BLVD. at Maple Road**

SECTION II.

This Ordinance shall take effect from and after its passage and posting.

Introduced by: _____

Seconded by: _____

Vote: _____ aye _____ nay

Passed and Approved: _____

VILLAGE OF JACKSON

By: _____
Brian Heckendorf, Village President

Attest:

Jilline S. Dobratz, Village Clerk

Proof of Posting:

I, the undersigned, certify that I posted copies of this Ordinance on bulletin boards at the Village Hall, Post Office and one other location in the Village.

Dated: _____

Village Official: _____



May 23, 2023

Village of Jackson
W194 N16660 Eagle Drive
Jackson, WI 53037

Attention: Brian Kober, P.E.
Director of Public Works

Subject: Project: VOJ 22-01
STH 60 Utility Upgrades
CTH P – Ridgeway Drive
Pay Request #4

Dear Mr. Kober:

Enclosed you will find Pay Request #4 for the STH 60 Utility Upgrades project in the Village of Jackson. The total amount, due to the contractor, has been reduced by five percent (5%) for retainage but not to exceed maximum retainage. The maximum retainage was met with this pay request #4. This is per Article 6.02.A.1 Progress Payments; Retainage, of Contract Document 00500, Agreement:

Total work completed to date	= \$2,174,340.89
Work completed, Pay Request # 4	= \$961,609.53
Retainage, Pay Request #4 (5%)	= \$7,199.27
Total Retainage	= \$67,835.84
Amount due to Contractor, Pay Request #3	= \$954,410.26

If you have any questions or comments, please contact me at (920) 924-5720.

Sincerely,

Todd Drew
Project Inspector
Gremmer & Associates, Inc.

Project VOI 21-01
Coffee Connection Trail
Jackson Drive - Eagle Drive

Pay Request #4
Advance Construction - Prime Contractor

		Advance Construction		Pay Request #1		Pay Request #2		Pay Request #3		Pay Request #4		Pay Request #5		Pay Request #6		Cumulative Totals		% Complete
Item No.	Description	Unit s	Total	Unit Price	Bid Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	
100-01	Removing Curb	LF	6	\$7.00	\$42.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-02	Removing Curb & Gutter	LF	960	\$5.00	\$4,800.00		\$0.00		\$0.00	20.00	\$100.00	192.40	\$962.00		\$0.00	212	\$1,062.00	22%
100-03	Removing Concrete Sidewalk and Driveways	SY	1,205	\$5.00	\$6,025.00	13.34	\$66.70	28.43	\$142.15	22.89	\$114.45	156.91	\$784.55		\$0.00	222	\$1,107.85	18%
100-04	Base Aggregate Dense 1 1/4-Inch	TON	1,875	\$15.80	\$29,625.00		\$0.00		\$0.00	26.70	\$421.86		\$0.00		\$0.00	27	\$421.86	1%
100-05	Base Aggregate Open-Graded	TON	1,130	\$23.00	\$25,990.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-06	Concrete Driveway 6-Inch	SY	505	\$75.65	\$38,203.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-07	Concrete Driveway 8-Inch	SY	80	\$77.00	\$6,160.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-08	Drilled Tie Bars	EACH	525	\$9.00	\$4,725.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-09	HMA Pavement 3 MT 58-28 S	TON	1,110	\$275.00	\$305,250.00		\$0.00		\$0.00		\$0.00	169.35	\$46,571.25		\$0.00	169	\$46,571.25	15%
100-10	HMA Pavement 4 MT 58-28 S	TON	67	\$510.00	\$34,170.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-11	Asphaltic Surface	TON	17	\$510.00	\$8,670.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-12	Asphaltic Surface Driveways and Field Entrances	TON	50	\$510.00	\$25,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-13	Concrete Curb Type D	LF	6	\$48.00	\$288.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-14	Concrete Curb & Gutter 30-Inch Type D	LF	960	\$42.75	\$41,040.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-15	Concrete Sidewalk 5-Inch	SF	5,520	\$8.00	\$44,160.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-16	Concrete Steps	SF	30	\$55.00	\$1,650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-17	Pipe Underdrain Wrapped 4-Inch	LF	200	\$55.00	\$11,000.00		\$0.00		\$0.00		\$0.00	81.00	\$4,455.00		\$0.00	81	\$4,455.00	41%
100-18	Mobilization	EACH	1	\$35,000.00	\$35,000.00		\$0.00		\$0.00		\$0.00	0.75	\$26,250.00		\$0.00	1	\$26,250.00	75%
100-19	Lawn Restoration	SY	900	\$10.00	\$9,000.00		\$0.00		\$0.00		\$0.00	86.04	\$860.40		\$0.00	86	\$860.40	10%
100-20	Inlet Protection Type C	EACH	35	\$55.00	\$1,925.00	12	\$660.00	20	\$1,100.00	10.00	\$550.00		\$0.00		\$0.00	42	\$2,310.00	120%
100-21	Geotextile Type SAS	SY	945	\$2.50	\$2,362.50		\$0.00		\$0.00		\$0.00	66.33	\$165.83		\$0.00	66	\$165.83	7%
100-22	Marking Line Paint 4-Inch	LF	6,405	\$1.35	\$8,646.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-23	Marking Line Paint 8-Inch	LF	225	\$2.55	\$573.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-24	Marking Arrow Paint	EACH	5	\$95.00	\$475.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-25	Marking Word Paint	EACH	1	\$125.00	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-26	Marking Railroad Crossing Paint	EACH	2.0	\$450.00	\$900.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-27	Marking Stop Line Paint 18-Inch	LF	45	\$5.85	\$263.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-28	Marking Diagonal Paint 6-Inch	LF	6	\$2.25	\$13.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-29	Marking Crosswalk Paint Transverse Line 6-Inch	LF	205	\$2.25	\$461.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-30	Marking Crosswalk Paint Block Style 24-Inch	LF	25	\$7.75	\$193.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-31	Conduit Loop Detector	LF	224	\$16.50	\$3,696.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-32	Loop Detector Wire	LF	800	\$2.35	\$1,880.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-33	Sawing Asphalt	LF	8,760	\$2.00	\$17,520.00	15	\$30.00	2274.10	\$4,548.20	3612.50	\$7,225.00	1213.50	\$2,427.00		\$0.00	7115	\$14,230.20	81%
100-34	Sawing Concrete	LF	2,625	\$3.00	\$7,875.00	25	\$75.00	72	\$216.00	71.00	\$213.00	295.50	\$886.50		\$0.00	464	\$1,390.50	18%
100-35	Remove and Replace Retaining Wall	LS	1	\$8,990.00	\$8,990.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-36	Traffic Control and Detour	LS	1	\$25,000.00	\$25,000.00	0.25	\$6,250.00	0.25	\$6,250.00	0.25	\$6,250.00	0.25	\$6,250.00		\$0.00	1	\$25,000.00	100%
100-37	Excavating, Hauling, and Disposal of Contaminated Soil	TON	990	\$45.00	\$44,550.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-01	Remove and Replace Sanitary Manhole Casting and Adjustment Rings	EACH	27	\$4,500.00	\$121,500.00		\$0.00	1	\$4,500.00		\$0.00	23.00	\$103,500.00		\$0.00	24	\$108,000.00	89%
200-02	Connect to Existing Sanitary Sewer Manhole	EACH	1	\$2,000.00	\$2,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-03	Connect to Existing Sanitary Sewer Main	EACH	3	\$2,000.00	\$6,000.00		\$0.00	2	\$4,000.00		\$0.00	2.00	\$4,000.00		\$0.00	4	\$8,000.00	133%
200-04	Sanitary Sewer PVC 10-Inch, Granular Backfill	LF	232	\$200.00	\$46,400.00		\$0.00	70	\$14,000.00		\$0.00	201.00	\$40,200.00		\$0.00	271	\$54,200.00	117%
200-05	Sanitary Sewer PVC 8-Inch, Slurry Backfill	LF	1,099	\$243.00	\$267,057.00		\$0.00	3	\$729.00	547.00	\$132,921.00	521.00	\$126,603.00		\$0.00	1071	\$260,253.00	97%
200-06	Sanitary Sewer PVC 10-Inch, Slurry Backfill	LF	39	\$300.00	\$11,700.00		\$0.00		\$0.00		\$0.00	61.00	\$18,300.00		\$0.00	61	\$18,300.00	156%
200-07A	Sanitary Sewer PVC 12-Inch, Slurry Backfill	LF	1,402	\$325.00	\$455,650.00		\$0.00	166	\$53,950.00	1171.00	\$380,575.00		\$0.00		\$0.00	1337	\$434,525.00	95%
200-07B	Sanitary Sewer Lateral 6-Inch, Granular Backfill	LF	615	\$145.00	\$89,175.00		\$0.00	31	\$4,495.00	89.50	\$12,977.50	143.00	\$20,735.00		\$0.00	264	\$38,207.50	43%
200-08	Sanitary Sewer Lateral 6-Inch, Slurry Backfill	LF	310	\$197.00	\$61,070.00		\$0.00	18	\$3,546.00	228.50	\$45,014.50	338.00	\$66,586.00		\$0.00	585	\$115,146.50	189%
200-09	Sanitary Manholes 4-FT Diameter With Casting	EACH	10	\$6,500.00	\$65,000.00		\$0.00	1	\$6,500.00	5.00	\$32,500.00	3.00	\$19,500.00		\$0.00	9	\$58,500.00	90%
200-10	Sanitary Outside Drop Manholes 4-FT Diameter With Casting	EACH	2	\$9,518.00	\$19,036.00		\$0.00		\$0.00	1.00	\$9,518.00	1.00	\$9,518.00		\$0.00	2	\$19,036.00	100%
200-11	Abandon Sanitary Sewer - Jackson Drive	LS	1	\$1,500.00	\$1,500.00		\$0.00		\$0.00		\$0.00	1.00	\$1,500.00		\$0.00	1	\$1,500.00	100%
200-12	Sanitary Sewer Lateral Pipe Bursting	LF	3,000	\$139.00	\$417,000.00		\$0.00		\$0.00	1966.00	\$273,274.00	2230.00	\$309,970.00		\$0.00	4196	\$583,244.00	140%
200-13	Furnish and Install 36" cleanout manhole with casting	EACH	1	\$3,645.00	\$3,645.00		\$0.00		\$0.00		\$0.00	1.00	\$3,645.00		\$0.00	1	\$3,645.00	100%
200-14	Repair existing storm laterals not shown on plan	EACH	6	\$448.00	\$2,688.00		\$0.00		\$0.00	10.00	\$4,480.00	4.00	\$1,792.00		\$0.00	14	\$6,272.00	233%
300-01	Removing Hydrant	EACH	2	\$1,100.00	\$2,200.00		\$0.00		\$0.00		\$0.00	2.00	\$2,200.00		\$0.00	2	\$2,200.00	100%
300-02	Connect to Existing Water Valve	EACH	2	\$2,500.00	\$5,000.00		\$0.00		\$0.00		\$0.00	1.00	\$2,500.00		\$0.00	1	\$2,500.00	50%
300-03	Connect to Existing Water Main Pipe	EACH	3	\$3,850.00	\$11,550.00		\$0.00		\$0.00		\$0.00	1.00	\$3,850.00		\$0.00	1	\$3,850.00	33%
300-04	Remove and Replace Water Service Curb Box	EACH	100	\$2,800.00	\$280,000.00	41	\$114,800.00	23	\$64,400.00		\$0.00	17.00	\$47,600.00		\$0.00	81	\$226,800.00	81%
300-05	Water Main PVC 6-Inch, Slurry Backfill	LF	45	\$315.00	\$14,175.00		\$0.00		\$0.00		\$0.00	13.00	\$4,095.00		\$0.00	13	\$4,095.00	29%
300-06	Water Main PVC 12-Inch, Slurry Backfill	LF	12	\$550.00	\$6,600.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-07	Water Service Pipe 1 1/4-Inch, Granular Backfill	LF	168	\$150.00	\$25,200.00		\$0.00		\$0.00		\$0.00	20.00	\$3,000.00		\$0.00	20	\$3,000.00	12%
300-08	Water Service Pipe 1 1/4-Inch, Slurry Backfill	LF	88	\$200.00	\$17,600.00		\$0.00		\$0.00	42.00	\$8,400.00	113.00	\$22,600.00		\$0.00	155	\$31,000.00	176%
300-09	Water Service Saddle, Corporation Stop, Curb Stop, Curb Box and Couplings 1 1/4-Inch	EACH	7	\$1,400.00	\$9,800.00		\$0.00		\$0.00		\$0.00	2.00	\$2,800.00		\$0.00	2	\$2,800.00	29%
300-10	Water Gate Valve 12-Inch	EACH	1	\$5,200.00	\$5,200.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-11	Water 45 Degree Bend 6-Inch	EACH	1	\$500.00	\$500.00		\$0.00		\$0.00		\$0.00	1.00	\$500.00		\$0.00	1	\$500.00	100%
300-12	Water 90 Degree Bend 6-Inch	EACH	3	\$530.00	\$1,590.00		\$0.00		\$0.00		\$0.00	1.00	\$530.00		\$0.00	1	\$530.00	33%
300-13	Hydrant	EACH	2.0	\$9,000.00	\$18,000.00		\$0.00		\$0.00		\$0.00	2.00	\$18,000.00		\$0.00	2	\$18,000.00	100%
300-14	Temporary Blow Off 2-Inch	EACH	1	\$506.00	\$506.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-15	Connect to Existing Water Main Pipe with 12-Inch Gate Valve	EACH	1	\$4,480.00	\$4,480.00		\$0.00		\$0.00		\$0.00	1.00	\$4,480.00		\$0.00	1	\$4,480.00	100%
300-16	Water Main DI 12-Inch with Fluorocarbon Gaskets, Granular Backfill	LF	247	\$291.00	\$71,877.00		\$0.00		\$0.00		\$0.00	73.00	\$21,243.00		\$0.00	73	\$21,243.00	30%
300-17	Water 22.5 Degree Bend 12-Inch	EACH	4	\$1,004.00	\$4,016.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-18	Water Cap 12-Inch	EACH	2	\$2,216.00	\$4,432.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-19	HDD Water service connect to main, new curb box	EACH	1	\$4,750.00	\$4,750.00		\$0.00		\$0.00		\$0.00	1.00	\$4,750.00		\$0.00	1	\$4,750.00	100%
300-20	Furnish and Install 1" Curb Stop - if existing one does not function while replacing Curb Box	EACH	6	\$750.00	\$4,500.00		\$0.00		\$0.00		\$							

Contractor's Application for Payment No. 4

	Application Date: 5/18/2023	Application Period: 4/18/23 - 5/12/23
To (Owner): Village of Jackson	From (Contractor): ADVANCE CONSTRUCTION, INC.	Via (Engineer): Gremmer & Associates, Inc.
Contact:	Contact: Paul Kultgen	Contact: Todd Drew
Project: STH 60 Utility Upgrades	Address: 241 Woodale Avenue Green Bay, WI 54313	Address: 93 S. Pioneer Rd, Fond du Lac, WI 54935
Owner's Project No.:	Contractor's Project No.:	Engineer's Project No.:

Change Order Summary

Approved Change Orders			
Number	Additions	Deductions (Enter as Positive Number)	
			1. ORIGINAL CONTRACT PRICE \$ 2,713,433.75
			2. Net change by Change Orders \$
			3. CURRENT CONTRACT PRICE (Line 1 + Line 2) \$ 2,713,433.75
			4. TOTAL COMPLETED & STORED TO DATE
			(Column L Total on Progress Estimates) \$ 2,174,340.89
			5. RETAINAGE:
			a. 5% X \$1,356,716.88 Work Completed \$ 67,835.84
			b. 5% x Stored Materials \$
			6. RETAINAGE REDUCTION TO DATE (Enter as Positive Number) . \$ 67,835.84
			7. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5a. + Line 7) \$ 2,106,505.05
			8. LESS PREVIOUS PAYMENTS (Line 6 from Prior Application) \$ 1,152,094.79
			9. AMOUNT DUE THIS APPLICATION 954,410.26
TOTALS			
NET CHANGE BY CHANGE ORDERS			

Contractor's Certification The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner per Article 15 of the General Conditions; and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.	By: Paul Kultgen Date: 5.23.23
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	\$ 954,410.26
Payment of:	(Line 8 or other - attach explanation of the other amount)
Recommended by:	(Thomas J. Holtan, Town DPW/ENG) (Date)
Payment of:	\$ (Line 8 or other - attach explanation of the other amount)
Approved by:	(Daniel W. Hein, Town Chair) (Date)

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

4

For (Project): ST 60								Application Date: 5.23.23				
Application Period: 4/15/23 - 5/18/03												
A	B	C	D	E	F	G	H	I	J	K	L	M
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Stored Material	Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)	Value of Stored Materials(\$)	Estimated Quantity Installed	Value of Work Installed (\$)
100-01	Removing curb	LF	6	7.00	42.00							
100-02	Removing Curb & Gutter	LF	960	5.00	4,800.00	20.00	\$100.00	192.40	\$962.00		212.40	\$1,062.00
100-03	Removing Concrete Sidewalk and Driveways	SY	1205	5.00	6,025.00	64.66	\$323.30	156.91	\$784.55		221.57	\$1,107.85
100-04	Base Aggregate Dense 1 1/4-inch	TON	1875	15.80	29,625.00	26.70	\$421.86				26.70	\$421.86
100-05	Base Aggregate Open-Graded	TON	1130	23.00	25,990.00							
100-06	Concrete Driveway 6-inch	SY	505	75.65	38,203.25							
100-07	Concrete Driveway 8-inch	SY	80	77.00	6,160.00							
100-08	Drilled Tie Bars	EA	525	9.00	4,725.00							
100-09	HMA Pavement 3 MT 58-28 S	TON	1110	275.00	305,250.00			169.35	\$46,571.25		169.35	\$46,571.25
100-10	HMA Pavement 4 MT 58-28 S	TON	67	510.00	34,170.00							
100-11	Asphaltic Surface	TON	17	510.00	8,670.00							
100-12	Asphaltic Surface Driveways and Field Entrances	TON	50	510.00	25,500.00							
100-13	Concrete Cur Type D	LF	6	48.00	288.00							
100-14	Concrete Curb & Gutter 30-inch Type D	LF	960	42.75	41,040.00							
100-15	Concrete Sidewalk 5-inch	SF	5520	8.00	44,160.00							
100-16	Concrete Steps	SF	30	55.00	1,650.00							

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

4

For (Project): ST 60								Application Date: 5.23.23				
Application Period: 4/15/23 - 5/18/03												
A	B	C	D	E	F	G	H	I	J	K	L	M
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Stored Material	Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)	Value of Stored Materials(\$)	Estimated Quantity Installed	Value of Work Installed (\$)
100-17	Pipe Underdrain Wrppped 4-inch	LF	200	55.00	11,000.00			81.00	\$4,455.00		81.00	\$4,455.00
100-18	Moblization	EA	1	35,000.00	35,000.00			0.75	\$26,250.00		0.75	\$26,250.00
100-19	Lawn Restoration	SY	900	10.00	9,000.00			86.04	\$860.40		86.04	\$860.40
100-20	Inlet Protection Type C	EA	35	55.00	1,925.00	42.00	\$2,310.00				42.00	\$2,310.00
100-21	Geotextile Type SAS	SY	945	2.50	2,362.50			66.33	\$165.83		66.33	\$165.83
100-22	Marking Line Pain 4-inch	LF	6405	1.35	8,646.75							
100-23	Marking Line Pain 8-inch	LF	225	2.55	573.75							
100-24	arking Arrow Paint	EA	5	95.00	475.00							
100-25	Marking Word Paint	EA	1	125.00	125.00							
100-26	Marking Railroad Crossing Paint	EA	2	450.00	900.00							
100-27	Marking Stop Line Paint 18-inch	LF	45	5.85	263.25							
100-28	Marking Diagonal Paint 6-inch	LF	6	2.25	13.50							
100-29	Marking Crosswalk Paint Transverse Line 6-inch	LF	205	2.25	461.25							
100-30	Marking Crosswalk Paint Block Style 24-inch	LF	25	7.75	193.75							
100-31	Conduit Loop Detector	LF	224	16.50	3,696.00							
100-32	Loop Detector Wire	LF	800	2.35	1,880.00							

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

4

For (Project): ST 60								Application Date: 5.23.23				
Application Period: 4/15/23 - 5/18/03												
A	B	C	D	E	F	G	H	I	J	K	L	M
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Stored Material	Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)		Estimated Quantity Installed	Value of Work Installed (\$)
100-33	Sawing Asphalt	LF	8,760	2.00	17,520.00	5,901.60	\$11,803.20	1,213.50	\$2,427.00		7,115.10	\$14,230.20
100-34	Sawing Concrete	LF	2625	3.00	7,875.00	168.00	\$504.00	295.50	\$886.50		463.50	\$1,390.50
100-35	Remove and Replace Retaining Wall	LS	1	8,990.00	8,990.00							
100-36	Traffic Control and Detour	LS	1	25,000.00	25,000.00	0.75	\$18,750.00	0.25	\$6,250.00		1.00	\$25,000.00
100-37	Excavating, Hauling, and Disposal of Contaminated Soil	TON	990	45.00	44,550.00							
200-01	Remove and Replace Sanitary Manhole Casting and Adjustment Rings	EA	27	4,500.00	121,500.00	1.00	\$4,500.00	23.00	\$103,500.00		24.00	\$108,000.00
200-02	Connect to Existing Sanitary Sewer Manhole	EA	1	2,000.00	2,000.00							
200-03	Connect to Existing Sanitary Sewer Main	EA	3	2,000.00	6,000.00	2.00	\$4,000.00	2.00	\$4,000.00		4.00	\$8,000.00
200-04	Sanitary Sewer PVC 10-inch, Granular Backfill	LF	232	200.00	46,400.00	70.00	\$14,000.00	201.00	\$40,200.00		271.00	\$54,200.00
200-05	Sanitary Sewer PVC 8-inch, Slurry Backfill	LF	1,099	243.00	267,057.00	550.00	\$133,650.00	521.00	\$126,603.00		1,071.00	\$260,253.00
200-06	Sanitary Sewer PVC 10-inch, Slurry Backfill	LF	39	300.00	11,700.00			61.00	\$18,300.00		61.00	\$18,300.00
200-07	Sanitary Sewer PVC 12-inch, Slurry Backfill	LF	1402	325.00	455,650.00	1,337.00	\$434,525.00				1,337.00	\$434,525.00
200-07	Sanitary Sewer Lateral 6-inch, Granular Backfill	LF	615	145.00	89,175.00	120.50	\$17,472.50	143.00	\$20,735.00		263.50	\$38,207.50
200-08	Sanitary Sewer Lateral 6-inch, Slurry Backfill	LF	310	197.00	61,070.00	246.50	\$48,560.50	338.00	\$66,586.00		584.50	\$115,146.50
200-09	Sanitary Manholes 4-Ft Diameter with Casting	EA	10	6,500.00	65,000.00	6.00	\$39,000.00	3.00	\$19,500.00		9.00	\$58,500.00
200-10	Sanitary Outside Deep Manholes 4-FT Diameter with Casting	EA	2	9,518.00	19,036.00	1.00	\$9,518.00	1.00	\$9,518.00		2.00	\$19,036.00

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

4

For (Project): ST 60								Application Date: 5.23.23				
Application Period: 4/15/23 - 5/18/03												
A	B	C	D	E	F	G	H	I	J	K	L	M
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Stored Material	Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)	Value of Stored Materials(\$)	Estimated Quantity Installed	Value of Work Installed (\$)
200-11	Abandon Sanitary Sewer - Jackson Drive	LS	1	1,500.00	1,500.00			1.00	\$1,500.00		1.00	\$1,500.00
200-12	Sanitary Sewer Lateral Pipe Bursting	LF	3000	139.00	417,000.00	1,966.00	\$273,274.00	2,230.00	\$309,970.00		4,196.00	\$583,244.00
200-13	Funish and install 36" cleanout manhole with casting	LS	1	3,645.00	3,645.00			1.00	\$3,645.00		1.00	\$3,645.00
200-14	Repair Existing Storm Laterals not shown on plan	EA	6	448.00	2,688.00	10.00	\$4,480.00	4.00	\$1,792.00		14.00	\$6,272.00
300-01	Removing Hydrant	EA	2	1,100.00	2,200.00			2.00	\$2,200.00		2.00	\$2,200.00
300-02	Connect to Existing Water Valve	EA	2	2,500.00	5,000.00			1.00	\$2,500.00		1.00	\$2,500.00
300-03	Connect to Existing Water Main Pipe	EA	3	3,850.00	11,550.00			1.00	\$3,850.00		1.00	\$3,850.00
300-04	Remove and Replace Water Serice Curb Box	EA	100	2,800.00	280,000.00	64.00	\$179,200.00	17.00	\$47,600.00		81.00	\$226,800.00
300-05	Water Main PVC 6-inch, Slurry Backfill	LF	45	315.00	14,175.00			13.00	\$4,095.00		13.00	\$4,095.00
300-06	Water Main PVC 12-inch, Slurry Backfill	LF	12	550.00	6,600.00							
300-07	Water Service Pipe 1 1/4-inch, Granular Backfill	LF	168	150.00	25,200.00			20.00	\$3,000.00		20.00	\$3,000.00
300-08	Water Service Pipe 1 1/4-inch, Slurry Backfill	LF	88	200.00	17,600.00	42.00	\$8,400.00	113.00	\$22,600.00		155.00	\$31,000.00
300-09	Water Service Saddle, Corporation Stop, Curb Stop, Curb Box and Couplings 1 1/4-inch	EA	7	1,400.00	9,800.00			2.00	\$2,800.00		2.00	\$2,800.00
300-10	Water Gate Valve 12-inch	EA	1	5,200.00	5,200.00							
300-11	Water 45 Degree Bend 6-inch	EA	1	500.00	500.00			1.00	\$500.00		1.00	\$500.00
300-12	Water 90 Degree Bend 6-inch	EA	3	530.00	1,590.00			1.00	\$530.00		1.00	\$530.00

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

4

For (Project): ST 60								Application Date: 5.23.23				
Application Period: 4/15/23 - 5/18/03												
A	B	C	D	E	F	G	H	I	J	K	L	M
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Stored Material	Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)	Value of Stored Materials(\$)	Estimated Quantity Installed	Value of Work Installed (\$)
300-13	Hydrant	EA	2	9,000.00	18,000.00			2.00	\$18,000.00		2.00	\$18,000.00
300-14	Temporary Blow off 2-inch	EA	1	506.00	506.00							
300-15	Connect to Existing Water Main lpe with 12-inch Gate Valve	EA	1	4,480.00	4,480.00			1.00	\$4,480.00		1.00	\$4,480.00
300-16	Water Main DI 12-incch with flurocarbon Gaskets, Granular Backfill	LF	247	291.00	71,877.00			73.00	\$21,243.00		73.00	\$21,243.00
300-17	Water 22.5 Degree Bend 12-inch	EA	4	1,004.00	4,016.00							
300-18	Water Cap 12-inch	EA	2	2,216.00	4,432.00							
300-19	HDD Water service connect to main, new curb box	EA	1	4,750.00	4,750.00			1.00	\$4,750.00		1.00	\$4,750.00
300-20	Furnish and Install 1" Curb Stop - If existing one does not fuction while replacing Curb Box	EA	6	750.00	4,500.00							
300-21	Temporary water service on Jackson Drive	LS	1	8,000.00	8,000.00			1.00	\$8,000.00		1.00	\$8,000.00
300-22	Extra wrk involved with repairing the 12" water main near sanitary manhole #1	LS	1	7,939.00	7,939.00	1.00	\$7,939.00				1.00	\$7,939.00
300-23	Abarnndon water service corporation stops not in service	LS	1									
TOTAL BID ITEMS					\$2,834,085.00		\$1,212,731.36		\$961,609.53			\$2,174,340.89

Memo

To: Jen Keller, Village Administrator

From: Brian W. Kober, P. E., Director of Public Works/Village Engineer

Subject: 2023 Utility & Streets Improvements Project - Change Order #1

Date: May 26, 2023

CC: Board of Public Works; Village Board

The water main installation along CTH P portion of the 2023 Utility & Streets Improvements Project has been reviewed for changing the installation type along with pipe material. The change is boring HDPE pipe instead of open trench of C-900 Pipe. There is a cost for mobilization directional drill equipment which affects the cost savings with not having the boring casing. Also, there is a cost savings of CTH P road and shoulder restoration, which is not included in the change order, but will be shown as a reduction in the line items.

Recommend approval of Change Order #1 in the amount of a decrease of \$107,991.00. The new Contract Amount is \$2,067,915.55.

If you have any questions, please let me know.

Brian W. Kober, P.E.

DOCUMENT 00560

CONTRACT CHANGE ORDER

Order No.: 1

Date: 5/15/2023

Agreement Date: 5/15/2023

NAME OF PROJECT: VOJ 23-01; 2023 Utility & Street Improvements

OWNER: Village of Jackson

CONTRACTOR: Vinton Construction Co.

The following changes are hereby made to the CONTRACT DOCUMENTS:

Water main along CTH P revised to include the use of directionally drilled HDPE in lieu of PVC. Revised bid items/prices are included in attached Bid Schedule and plan revisions as included as part of attached Addendum #2.

Justification:

The use of directionally drilled HDPE in lieu of PVC within a steel casing pipe was requested at the crossing of Cedar Creek as a method to reduce construction costs by eliminating the steel casing and due to contractor concerns with groundwater. Additional areas of directionally drilled HDPE were requested to minimize restoration areas and potential conflicts with existing underground utilities.

Change to CONTRACT PRICE:

Original Contract Price: \$ \$2,175,906.55

Current Contract Price adjusted by Previous Change Order: \$ N/A

The Contract Price due to this Change Order will be increased by: \$ (\$107,991.00)

The new Contract Price including this Change Order will be: \$ \$2,067,915.55

OK
PJM
5/15/23

Change to CONTRACT TIME:

The CONTRACT TIME will be (increased/decreased) by 0 calendar days.

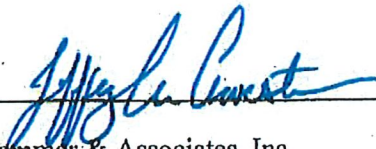
The date for completion of all work will be October 27, 2023.

Accepted By: _____ Owner

Representing: Village of Jackson

Print Name/Title: _____

Date: _____

Recommended By:  Engineer

Representing: Gremmer & Associates, Inc.

Print Name/Title: JEFF CHRISTA, PROJECT ENGINEER

Date: 5/15/2023

Requested By:  Contractor

Representing: Vinton Construction Co.

Print Name/Title: Michael J. Maples - President

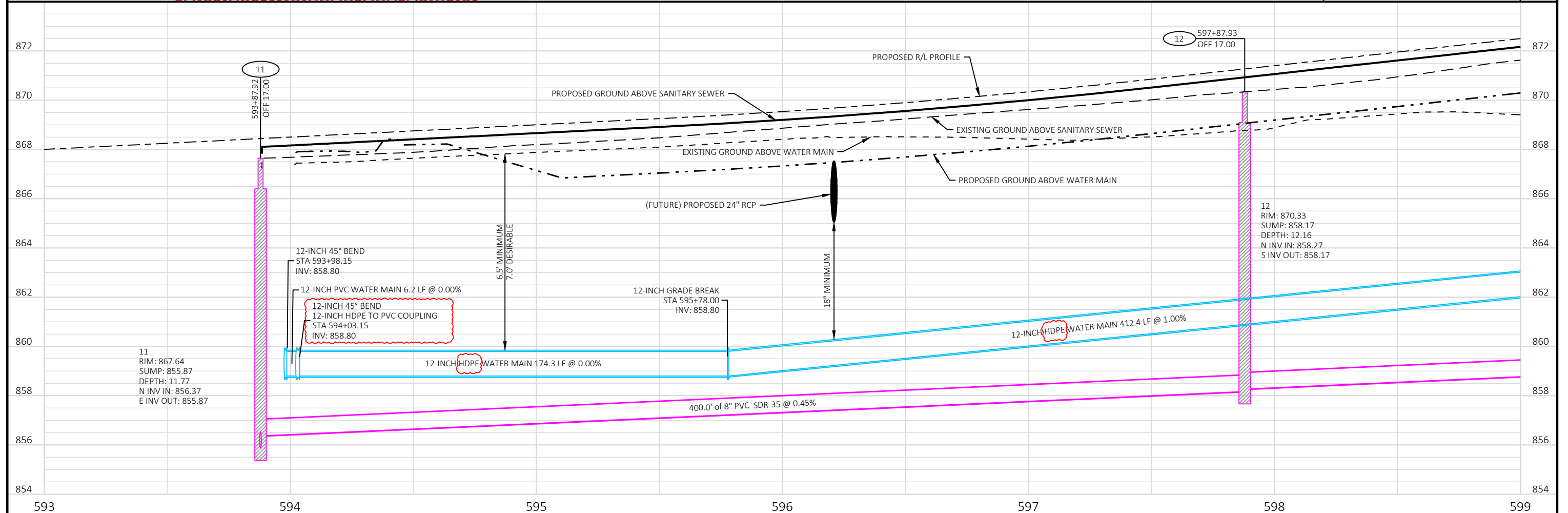
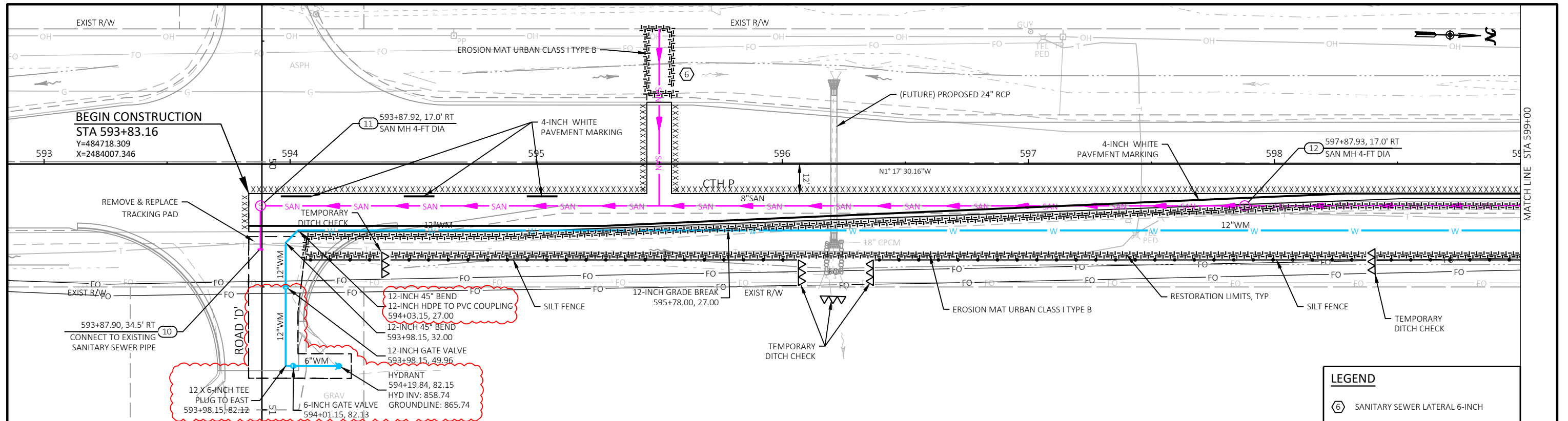
Date: 5-15-23

BID SCHEDULE

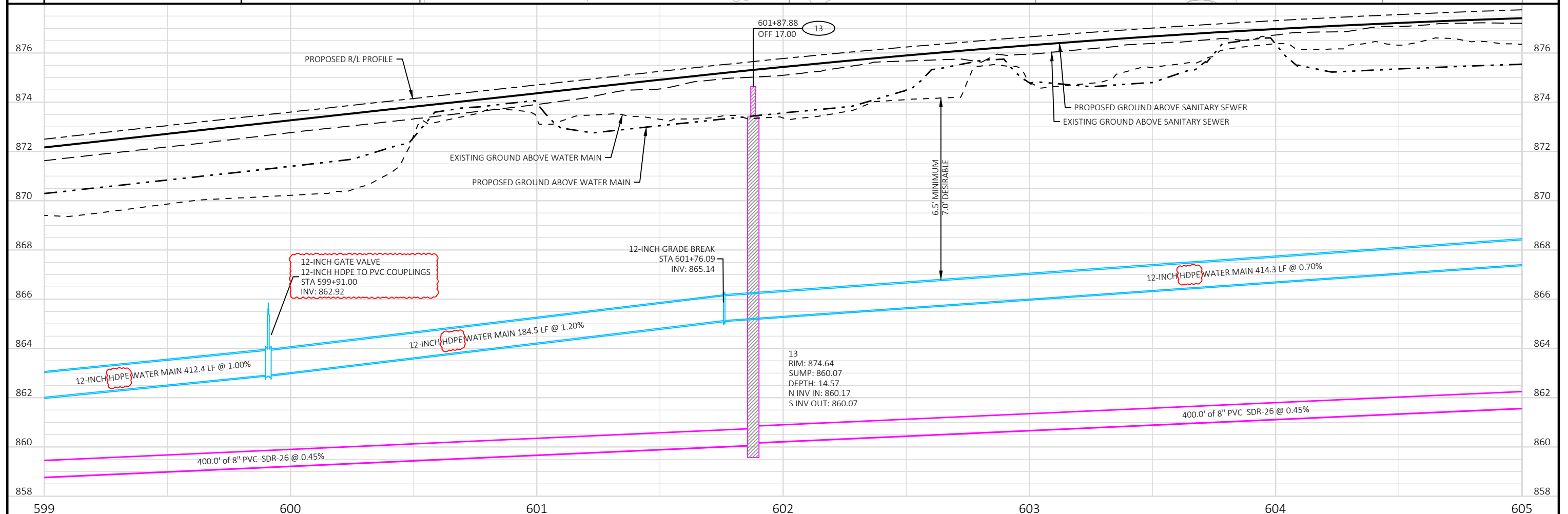
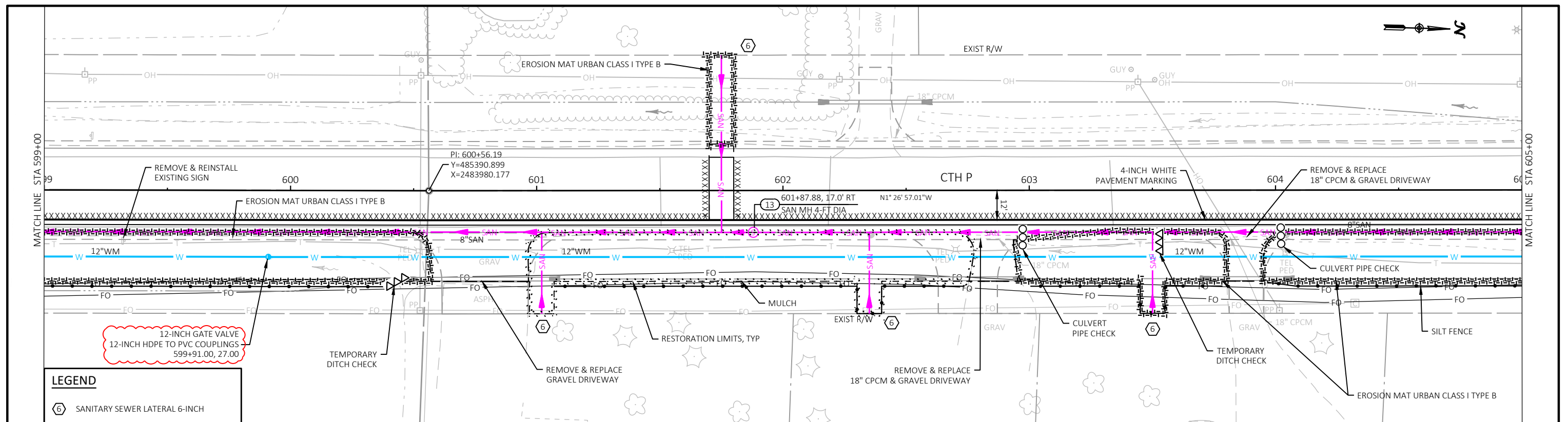
Item No	Item Description	Units	Quantity	Unit Price	Bid Amount
CTH P					
100-01	Removing Asphaltic Surface	SY	1,376	\$ 9.50	\$ 13,072.00
100-02	Removing Curb & Gutter	LF	62	\$ 10.00	\$ 620.00
100-05	Base Aggregate Dense 3/4-Inch	TON	375	\$ 36.88	\$ 13,830.00
100-06	Base Aggregate Dense 1 1/4-Inch	TON	740	\$ 19.24	\$ 14,237.60
100-07	Asphaltic Surface	TON	325	\$ 134.00	\$ 43,550.00
100-08	Asphaltic Flumes	SY	15	\$ 55.00	\$ 825.00
100-09	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	62	\$ 77.00	\$ 4,774.00
100-11	Traffic Control	LS	1	\$ 8,967.00	\$ 8,967.00
100-14	Sawing Asphalt & Concrete	LF	2,361	\$ 2.50	\$ 5,902.50
100-15	Salvaged Topsoil, Seed No. 40, Fertilizer Type B & Erosion Mat Urban Class I Type B	SY	4,150	\$ 7.04	\$ 29,216.00
100-16	Salvaged Topoil, Seed No. 40, Fertilizer Type B & Mulch	SY	1,500	\$ 6.04	\$ 9,060.00
100-19	Culvert Pipe Checks	EACH	6	\$ 40.00	\$ 240.00
100-20	Temporary Ditch Checks	EACH	18	\$ 27.00	\$ 486.00
100-21	Inlet Protection Type B	EACH	1	\$ 70.00	\$ 70.00
100-23	Silt Fence	LF	2,660	\$ 2.02	\$ 5,373.20
100-24	Remove & Replace Driveway Culverts	EACH	3	\$ 953.00	\$ 2,859.00
100-26	Remove & Replace Tracking Pad	EACH	1	\$ 3,000.00	\$ 3,000.00
100-27	Mobilization	LS	1	\$ 240,000.00	\$ 240,000.00
100-28	Mobilization Directional Drill	LS	1	\$ 19,619.00	\$ 19,619.00
300-02	Connect to Existing Sanitary Sewer Main	EACH	1	\$ 2,177.00	\$ 2,177.00
300-03	Sanitary Manholes 4-FT Diameter With Casting	EACH	5	\$ 8,797.00	\$ 43,985.00
300-05	Sanitary Sewer PVC SDR-35 6-Inch	LF	312	\$ 219.00	\$ 68,328.00
300-06	Sanitary Sewer PVC SDR-35 8-Inch	LF	424	\$ 389.00	\$ 164,936.00
300-07	Sanitary Sewer PVC SDR-26 8-Inch	LF	1,127	\$ 326.00	\$ 367,402.00
400-01	Connect to Existing Water Main Pipe	EACH	2	\$ 4,408.00	\$ 8,816.00
400-02	Water Main Steel Casing 24-Inch	LF	90	\$ 1,380.00	\$ -
400-03	Water Main PVC DR-18 6-Inch	LF	77	\$ 102.00	\$ 7,854.00
400-04	Water Main PVC DR-18 12-Inch	LF	268	\$ 171.00	\$ 45,828.00
400-04B	Water Main HDPE DR-11 Directional Drill	LF	3,100	\$ 169.90	\$ 526,690.00
400-05	Water Gate Valve 6-Inch	EACH	2	\$ 1,929.00	\$ 3,858.00
400-06	Water Gate Valve 12-Inch	EACH	8	\$ 4,877.00	\$ 39,016.00
400-07	Water Tee 12x6-Inch	EACH	2	\$ 866.00	\$ 1,732.00
400-08	Water Tee 12x12-Inch	EACH	1	\$ 1,485.00	\$ 1,485.00
400-09	Water 11.25 Deg Bend 12-Inch	EACH	2	\$ 769.00	\$ 1,538.00
400-10	Water 22.5 Deg Bend 12-Inch	EACH	1	\$ 790.00	\$ 790.00
400-11	Water 45 Deg Bend 12-Inch	EACH	12	\$ 861.00	\$ 10,332.00
400-12	Water Sleeve 12-Inch	EACH	1	\$ 762.00	\$ 762.00
400-13	Water Plug 12-Inch	EACH	1	\$ 342.00	\$ 342.00
400-14	Water Hydrant	EACH	2	\$ 5,895.00	\$ 11,790.00
400-15	Water Manhole 5-FT Diameter with Casting	EACH	1	\$ 7,685.00	\$ 7,685.00
CTH P TOTAL					\$ 1,731,047.30

BID SCHEDULE

Item No	Item Description	Units	Quantity	Unit Price	Bid Amount
SHERMAN ROAD					
100-01	Removing Asphaltic Surface	SY	111	\$ 9.50	\$ 1,054.50
100-02	Removing Curb & Gutter	LF	23	\$ 10.00	\$ 230.00
100-05	Base Aggregate Dense 3/4-Inch	TON	25	\$ 56.88	\$ 1,422.00
100-06	Base Aggregate Dense 1 1/4-Inch	TON	65	\$ 19.24	\$ 1,250.60
100-07	Asphaltic Surface	TON	32	\$ 265.00	\$ 8,480.00
100-10	Concrete Curb & Gutter 30-Inch Type D	LF	23	\$ 109.00	\$ 2,507.00
100-11	Traffic Control	LS	1	\$ 4,155.00	\$ 4,155.00
100-14	Sawing Asphalt & Concrete	LF	218	\$ 2.50	\$ 545.00
100-17	Topsoil, Seed No. 40, Fertilizer Type B & Erosion Mat Urban Class I Type B	SY	350	\$ 8.50	\$ 2,975.00
100-19	Culvert Pipe Checks	EACH	1	\$ 40.00	\$ 40.00
100-20	Temporary Ditch Checks	EACH	3	\$ 27.00	\$ 81.00
100-23	Silt Fence	LF	243	\$ 3.00	\$ 729.00
100-25	Remove, Salvage & Reinstall Existing Riprap	LS	1	\$ 1,500.00	\$ 1,500.00
100-27	Mobilization	LS	1	\$ 20,000.00	\$ 20,000.00
300-01	Connect to Existing Sanitary Sewer Manhole	EACH	1	\$ 2,177.00	\$ 2,177.00
300-03	Sanitary Manholes 4-FT Diameter With Casting	EACH	1	\$ 9,050.00	\$ 9,050.00
300-05	Sanitary Sewer PVC SDR-35 6-Inch	LF	54	\$ 280.00	\$ 15,120.00
300-06	Sanitary Sewer PVC SDR-35 8-Inch	LF	400	\$ 388.00	\$ 155,200.00
SHERMAN ROAD TOTAL					\$ 226,516.10
HIGHLAND ROAD					
100-01	Removing Asphaltic Surface	SY	515	\$ 4.60	\$ 2,369.00
100-02	Removing Curb & Gutter	LF	42	\$ 10.00	\$ 420.00
100-03	Removing Concrete Sidewalk & Driveway	SY	65	\$ 9.00	\$ 585.00
100-04	Excavation Common	CY	313	\$ 30.70	\$ 9,609.10
100-05	Base Aggregate Dense 3/4-Inch	TON	45	\$ 34.34	\$ 1,545.30
100-06	Base Aggregate Dense 1 1/4-Inch	TON	445	\$ 19.25	\$ 8,566.25
100-07	Asphaltic Surface	TON	150	\$ 115.00	\$ 17,250.00
100-08	Asphaltic Flumes	SY	15	\$ 55.00	\$ 825.00
100-10	Concrete Curb & Gutter 30-Inch Type D	LF	453	\$ 30.00	\$ 13,590.00
100-11	Traffic Control	LS	1	\$ 3,268.00	\$ 3,268.00
100-12	Concrete Sidewalk 4-Inch	SF	1,396	\$ 8.75	\$ 12,215.00
100-13	Concrete Driveway 6-Inch	SY	115	\$ 89.00	\$ 10,235.00
100-14	Sawing Asphalt & Concrete	LF	537	\$ 2.50	\$ 1,342.50
100-18	Topsoil, Seed No. 40, Fertilizer Type B & Mulch	SY	665	\$ 8.20	\$ 5,453.00
100-20	Temporary Ditch Checks	EACH	1	\$ 40.00	\$ 40.00
100-22	Inlet Protection Type C	EACH	2	\$ 70.00	\$ 140.00
100-27	Mobilization	LS	1	\$ 20,000.00	\$ 20,000.00
300-04	Adjusting Sanitary Sewer Manhole Casting	EACH	1	\$ 650.00	\$ 650.00
400-16	Adjusting Hydrant	EACH	1	\$ 1,425.00	\$ 1,425.00
400-17	Adjusting Water Curb Box	EACH	2	\$ 412.00	\$ 824.00
HIGHLAND ROAD TOTAL					\$ 110,352.15
BID TOTAL					\$ 2,067,915.55



Revisions:	Job No: VOJ 23-01	Designed: KAL	 93 South Pioneer Road, Suite 300 Fond du Lac, WI 54935 (920) 924-5720	Village of Jackson 2023 Utility and Street Improvements CTH P, Sherman Road & Highland Road	UTILITY PLANS CTH P	SHEET
ADDENDUM 2 - CTH P WATER MAIN		Drawn: AIS				6
	Date: 03/07/2023	Checked: JAC				40



Revisions:	Job No: VOJ 23-01	Designed: KAL	 93 South Pioneer Road, Suite 300 Fond du Lac, WI 54935 (920) 924-5720	Village of Jackson 2023 Utility and Street Improvements CTH P, Sherman Road & Highland Road	UTILITY PLANS CTH P	SHEET
ADDENDUM 2 - CTH P WATER MAIN		Drawn: AJS				7
	Date: 03/07/2023	Checked: JAC				40

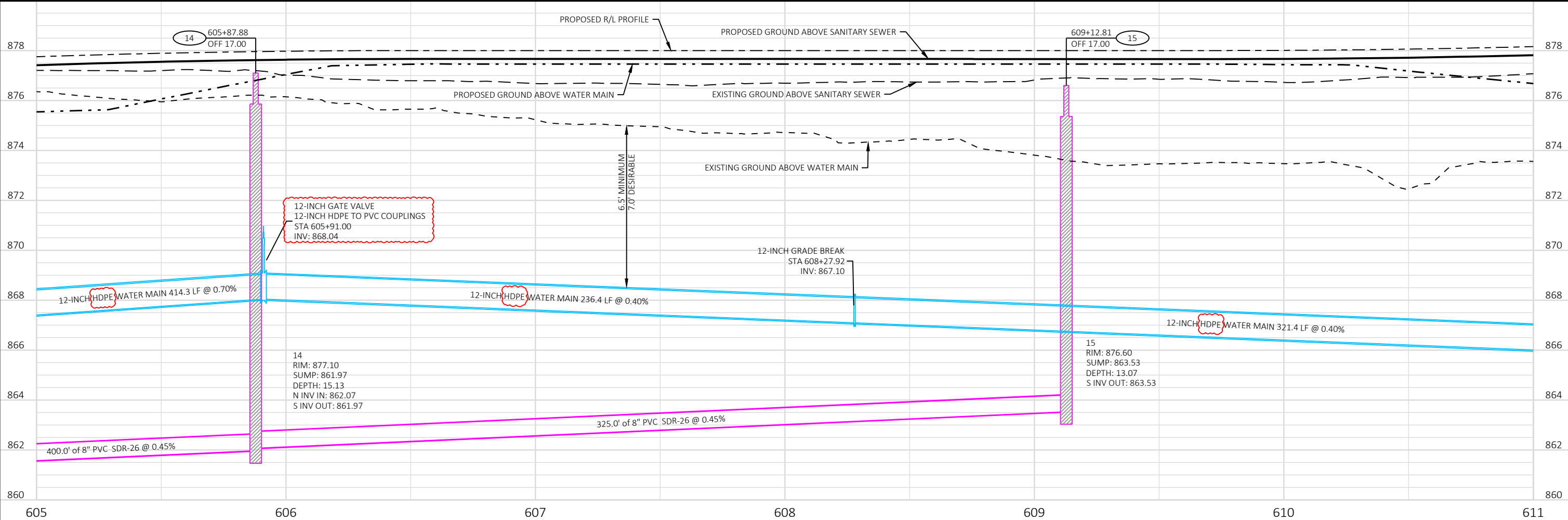
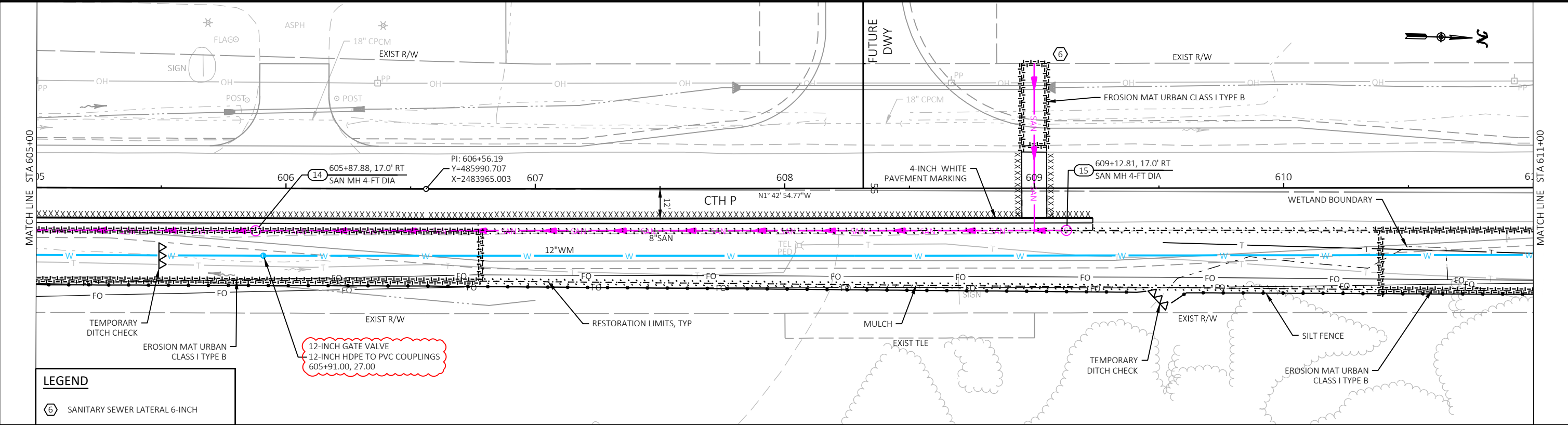
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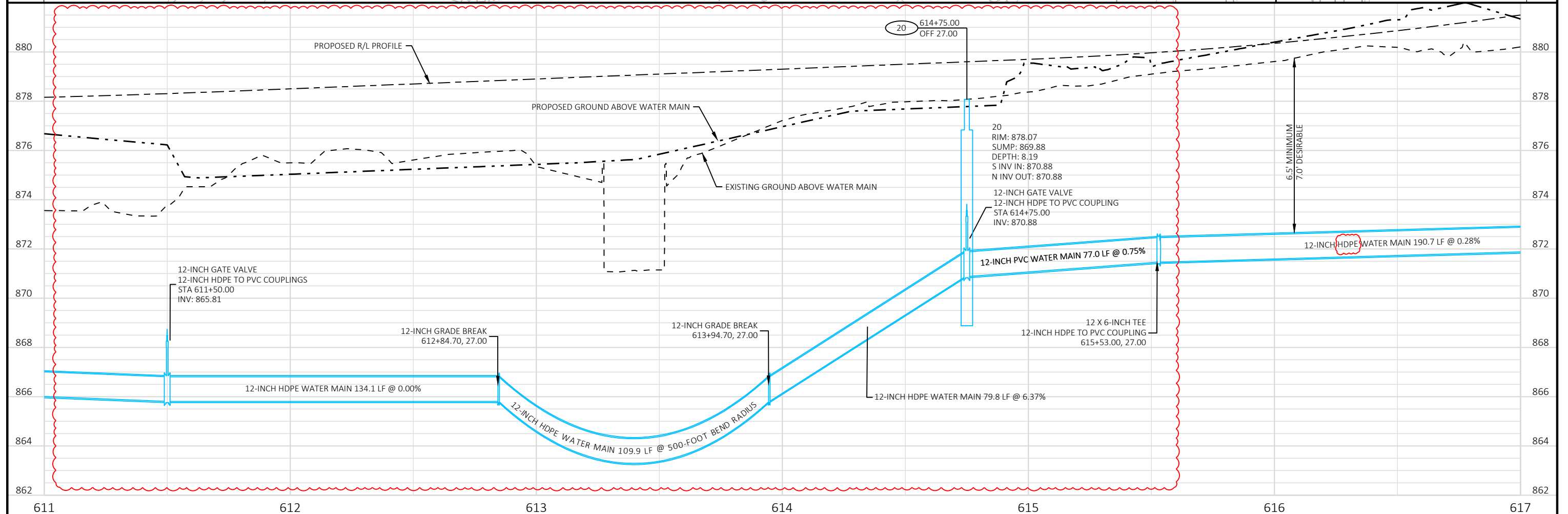
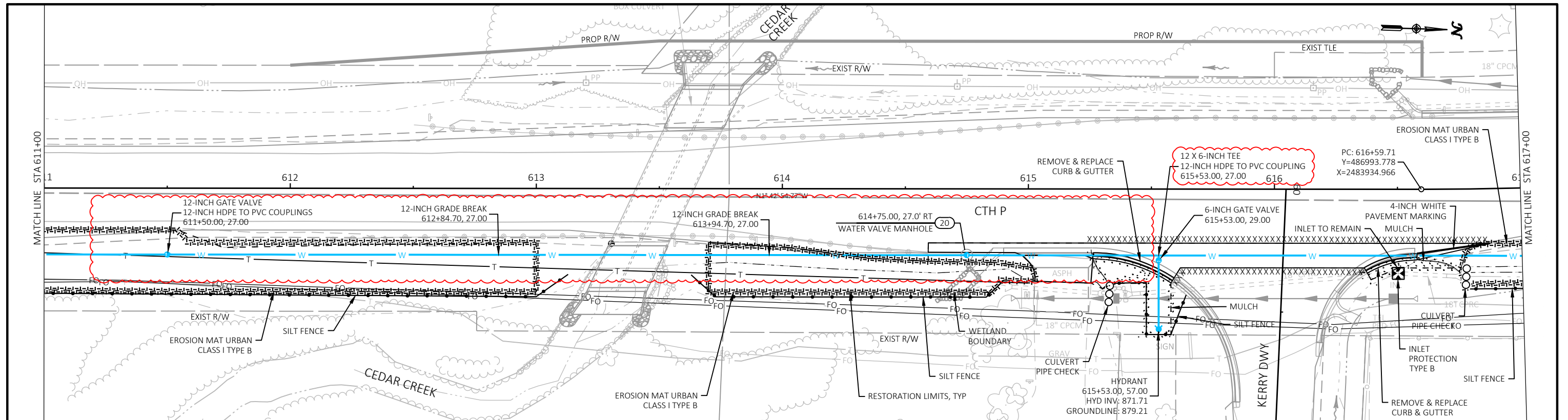
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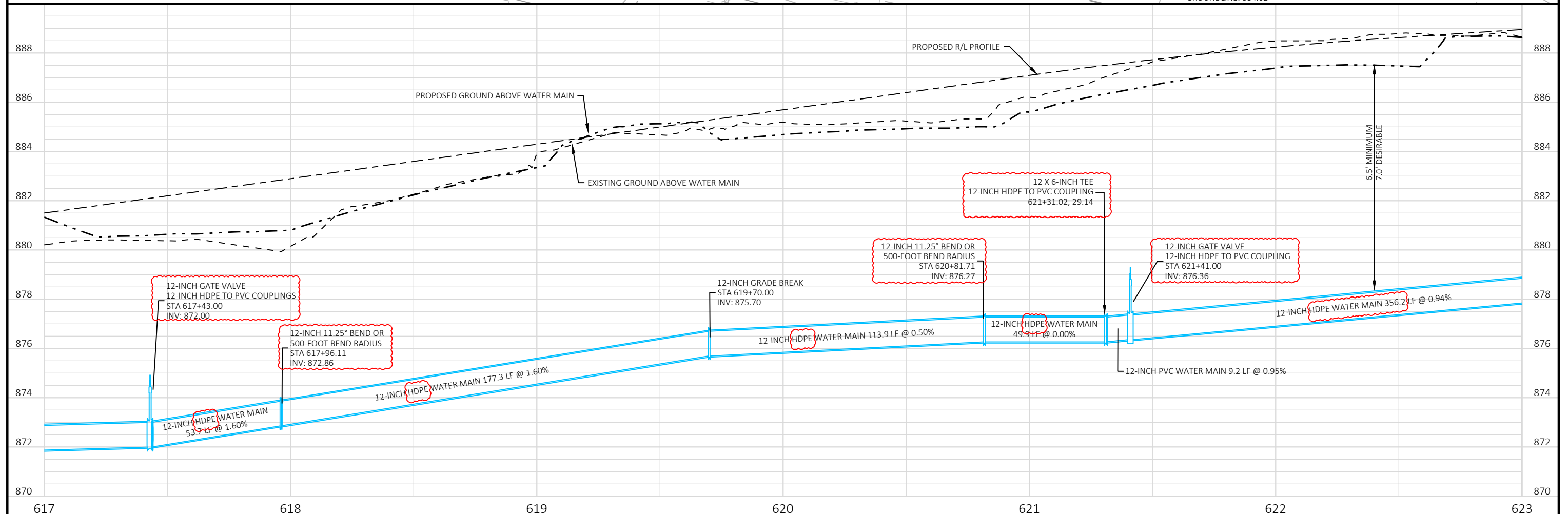
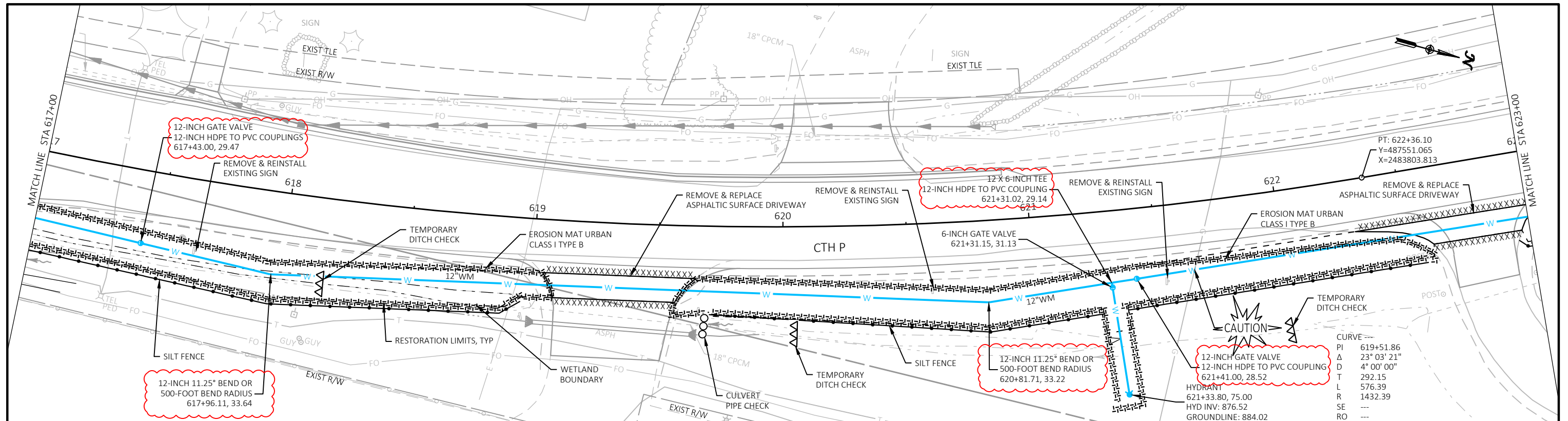
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Revisions: ADDENDUM 2 - CTH P WATER MAIN	Job No: VOJ 23-01 Date: 03/07/2023	Designed: KAL Drawn: AIS Checked: JAC	 93 South Pioneer Road, Suite 300 Fond du Lac, WI 54935 (920) 924-5720	Village of Jackson 2023 Utility and Street Improvements CTH P, Sherman Road & Highland Road	UTILITY PLANS CTH P	SHEET 8 40
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Revisions: ADDENDUM 2 - CTH P WATER MAIN	Job No: VOJ 23-01 Date: 03/07/2023	Designed: KAL Drawn: AIS Checked: JAC	G GREMMER & ASSOCIATES, INC. CONSULTING ENGINEERS Stevens Point • Fond du Lac	93 South Pioneer Road, Suite 300 Fond du Lac, WI 54935 (920) 924-5720	Village of Jackson 2023 Utility and Street Improvements CTH P, Sherman Road & Highland Road	UTILITY PLANS CTH P	SHEET 9 40
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Revisions:	Job No: VOJ 23-01	Designed: KAL		93 South Pioneer Road, Suite 300 Fond du Lac, WI 54935 (920) 924-5720	Village of Jackson 2023 Utility and Street Improvements CTH P, Sherman Road & Highland Road	UTILITY PLANS CTH P	SHEET
ADDENDUM 2 - CTH P WATER MAIN		Drawn: AIS					10
	Date: 03/07/2023	Checked: JAC					40

Memo

To: Jen Keller, Village Administrator
From: Brian W. Kober, P. E., Director of Public Works/Village Engineer
Subject: WWTP Storage Garage Expansion - Update
Date: May 26, 2023
CC: Board of Public Works; Village Board

Attached are proposed plans for the expansion of the storage garage at the Wastewater Treatment Plant. The specs are being completed with the schedule of bidding in the month of June. Advertising will occur on June 6th and 13th. The bid opening is schedule for June 20th. The Board of Public Works will review the bids at the June 27, 2023 meeting.

If you have any questions, please let me know.

Brian W. Kober, P.E.

Village of Jackson, Wisconsin



—PROJECT SITE
W194N16658 EAGLE DR
JACKSON, WI 53037



NO SCALE



VILLAGE OF JACKSON
WASHINGTON COUNTY, WISCONSIN

PROJECT NO.: JK 18 DRAWING FILE: JK-18 COVER 00-G DATE: 5-24-23	DRAWN BY: R.T.G.	2023 WASTEWATER TREATMENT FACILITY STORAGE GARAGE EXPANSION Village of Jackson, Wisconsin	
	CHECKED BY: G.J.D.		
	REV. DATE:		
ELECTRICAL ENGINEER	PLUMBING/HVAC ENGINEER	STRUCTURAL ENGINEER	CIVIL/PROCESS ENGINEER

tc TOWN & COUNTRY
ENGINEERING, INC.

6264 Nesbitt Road
Madison, WI 53719
(608) 273-3350
www.tceengineers.net

00 – GENERAL

00 – G – 01	INDEX SHEET
00 – G – 02	STANDARD ABBREVIATIONS, DESIGNATIONS, SITE/PROCESS LEGENDS & GENERAL NOTES
00 – G – 03	ELECTRICAL SYMBOLS AND ABBREVIATIONS
00 – G – 04	ELECTRICAL SYMBOLS AND ABBREVIATIONS

05 – WWTP SITE

05 – C – 01	SITE LOCATION PLAN
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95 – STORAGE GARAGE

95 – AS – 01	FLOOR & REMOVAL PLANS
95 – AS – 02	FOUNDATION & ROOF FRAMING PLANS
95 – AS – 03	EXTERIOR ELEVATIONS
95 – AS – 04	BUILDING SECTIONS
95 – PH – 01	PLUMBING/HVAC PLANS
95 – PH – 02	HVAC & PLUMBING SCHEDULES
95 – E – 01	ELECTRICAL PLAN

100 – SCHEDULES/DETAILS

100 – AS – 01	STANDARD DETAILS
100 – AS – 02	STANDARD DETAILS
100 – E – 01	SCHEDULES
100 – E – 02	OVERALL ONE-LINE

2023 WASTEWATER TREATMENT FACILITY
STORAGE GARAGE EXPANSION
Village of Jackson, Wisconsin

PROJECT NO.: JK 18
DRAWING FILE: JK-18 COVER & 00-G
DRAWN BY: R.T.G.
CHECKED BY: G.J.D.
DATE: 5-25-23
REVISIONS:
SCALE:
SHEET:

STANDARD ABBREVIATIONS

ACT	ACTUATED	M	METER
AER	AERATION, AEROBIC	MATL	MATERIAL
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AHP	AIR – HIGH PRESSURE	MECH	MECHANICAL
ALP	AIR – LOW PRESSURE	MFR	MANUFACTURER
ALT	ALTERNATE	MGD	MILLION GALLONS PER DAY
ALUM	ALUMINUM	MH	MANHOLE
APPROX	APPROXIMATE, –LY	MID	MIDDLE
ARCH	ARCHITECTUAL	MIN	MINIMUM
ASPH	ASPHALT	MISC	MISCELLANEOUS
ASSY	ASSEMBLY	MJ	MECHANICAL JOINT
AVG	AVERAGE	ML	MIXED LIQUOR
		MLSS	MIXED LIQUOR SUSPENDED SOLIDS
B/	BOTTOM OF	MM	MILLIMETER
BAF	BAFFLE	MOT	MOTOR, –IZED
BCKWSH	BACKWASH	MTL	METAL
BFV	BUTTERFLY VALVE		
BF	BLIND FLANGE	N	NORTHING
BIT	BITUMINOUS	NH3–N	AMMONIA–NITROGEN
BLDG	BUILDING	NO.	NUMBER
BM	BENCH MARK	NPT	NATIONAL PIPE THREAD
BOD	BIOCHEMICAL OXYGEN DEMAND	NPW	NONPOTABLE WATER
BOT	BOTTOM	NTS	NOT TO SCALE
BSMT	BASEMENT		
BV	BALL VALVE	OC	ON CENTER
BYP	BYPASS	OD	OUTSIDE DIAMETER
		OPNG	OPENING
C/C	CENTER TO CENTER	OVER	OVER, –FLOW
CF	CUBIC FEET		
CFM	CUBIC FEET PER MINUTE	P	PHOSPHORUS
CHAN	CHANNEL	PNEU	PNEUMATIC
CHEM	CHEMICAL	PNV	PINCH VALVE
CI	CAST IRON	PE	POLYETHYLENE
C/L	CENTERLINE	PLMB	PLUMBING
CLASS	CLASSIFICATION	POLY	POLYMER
CLG	CEILING	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PRV	PRESSURE REDUCING VALVE
CON	CONCENTRIC	PSF	POUNDS PER SQUARE FOOT
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
CONN	CONNECTION	PT	POINT
CONTR	CONTRACTOR	PV	PLUG VALVE
CTR, CTRD	CENTER, –ED	PVC	POLYVINYL CHLORIDE
CV	CHECK VALVE	PVMT	PAVEMENT
CY	CUBIC YARD	PW	POTABLE WATER
DAF	DISSOLVED AIR FLOTATION THICKENER	R	RADIUS
DEC	DECANT	R/W	RIGHT–OF–WAY
DEG	DEGREE	RAS	RETURN ACTIVATED SLUDGE
DG	DIGESTER GAS	RCP	REINFORCED CONCRETE PIPE
DIA	DIAMETER	RCY	RECYCLE
DIG	DIGESTER	RED	REDUCER
DI	DUCTILE IRON	REF	REFERENCE
DISCH	DISCHARGE	REQ'D	REQUIRED
DN	DOWN	RM	ROOM
DNR	DEPARTMENT OF NATURAL RESOURCES	ROT	ROTATE, –D
DRN	DRAIN	RR	RAILROAD
DWG	DRAWING	RT	RIGHT
		RWW	RAW WASTEWATER
E	EASTING		
EA	EACH	SAN	SANITARY
ECC	ECCENTRIC	SBR	SEQUENCING BATCH REACTOR
EFFL	EFFLUENT	SCH	SCHEDULE
ELB	ELBOW	SDR	STRUCTURAL DIMENSION RATIO
ELEC	ELECTRIC, –AL	SEC	SECTION
EL, ELEV	ELEVATION	SEP	SEPTAGE
EQ	EQUALIZATION	SF	SQUARE FOOT
EQUIP	EQUIPMENT	SHT	SHEET
EST	ESTIMATE, –D	SLG	SLUDGE
EX	EXISTING	SPEC	SPECIFICATION
		SQ	SQUARE
FH	FIRE HYDRANT	SS	STAINLESS STEEL
FFC	FLANGED FLEXIBLE CONNECTOR	STA	STATION
FL	FLOW LINE	STL	STEEL
FLR	FLOOR	STR	STRUCTURE
FLTR	FILTER	SUP	SUPERNATANT
FM	FORCE MAIN	SNV	SOLENOID VALVE
FRP	FIBERGLASS REINFORCED PLASTIC	SW	SIDEWALK
FT	FEET	SY	SQUARE YARD
FTG	FOOTING		
		T/	TOP OF
GAL	GALLON	T/W	TOP OF WALL
GALV	GALVANIZED	TEMP	TEMPERATURE
GC	GENERAL CONTRACTOR	TSS	TOTAL SUSPENDED SOLIDS
GND	GROUND	TYP	TYPICAL
GR	GRIT		
GV	GATE VALVE	UV	ULTRAVIOLET
HORIZ	HORIZONTAL	VERT	VERTICAL
HP	HORSEPOWER	VF	VERTICAL FEET
HR	HOUR		
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	W/	WITH
HWL	HIGH WATER LEVEL	W/O	WITHOUT
HYD	HYDRANT	WAS	WASTE ACTIVATED SLUDGE
		WAT	WATER
		WW	WASTEWATER
ID	INSIDE DIAMETER		
IN	INCH	YD	YARD
INCL	INCLUDE, –ING	YR	YEAR
INFL	INFLUENT		
INV	INVERT		
LB(S)	POUND(S)		
LF	LINEAL FEET		
LIN	LINEAR		
LR	LONG RADIUS		
LS	LUMP SUM		
LT	LEFT		
LWL	LOW WATER LEVEL		

SITE LEGEND

UNDERGROUND TELE.
UNDERGROUND CATV.
UNDERGROUND ELEC.
OVERHEAD
EXISTING GAS
PROPERTY LINE
EXISTING SITE PIPING
EXISTING FENCE LINE
EXISTING CONTOURS
NEW CONTOURS
SAWCUT
NEW STORM SEWER
NEW SITE PIPING
SITE PIPING REMOVAL/ABANDON

UT

UT

UT

UCATV

UE

UE

UE

UE

UE

UE

OH

OH

OH

OH

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x

x

x

x

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NEW ITEMS:

WATER VALVE

CURB STOP

HYDRANT

MANHOLE

CURB INLET

ENDWALL

GAS WARNING

EXISTING ITEMS:

FLAG POLE

MAILBOX

POWER POLE

LIGHT POLE

LAMP POST

PULL BOX

WATER VALVE

CURB STOP

HYDRANT

WELL

MONITORING WELL

TRACER WIRE

SANITARY MANHOLE

SANITARY VALVE

CLEANOUT

STORM MANHOLE

CURB INLET

CIRCULAR INLET

SQUARE INLET

ENDWALL

STUMP

DECID. TREE

EVERGREEN

SHRUB OR HEDGE

SIGN

CATV. PED.

TELE. PED.

ELEC. PED.

GAS VALVE

STREET SIGN

IRON PIPE

IRON ROD

NOTES: 1.) EXISTING FEATURES AND LABELS ARE SHOWN WITH SCREENED, LIGHTER LINES.
2.) NEW CONCRETE IS SHOWN SHADED IN PLAN VIEWS
3.) CONCRETE AND ASPHALT REMOVALS ARE SHOWN BY CROSS-HATCHING

EXISTING PIPING LABEL

NEW PIPING LABEL

KEY NOTE

REMOVAL NOTE

GENERAL NOTES

- EXISTING INFORMATION, INCLUDING UNDERGROUND PIPING AND UTILITIES, SHOWN ON THE PLANS WAS OBTAINED FROM OWNER INFORMATION AND FIELD MEASUREMENTS WHERE AVAILABLE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL EXISTING INFORMATION AS REQUIRED TO ACCOMMODATE NECESSARY CONSTRUCTION. UTILITIES THAT MAY BE AFFECTED BY CONSTRUCTION MUST BE MAINTAINED AND ANY DAMAGES TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF PROPERTY AND RESTORATION OF DAMAGED PROPERTY CAUSED BY CONSTRUCTION ACTIVITIES. AFTER THE COMPLETION OF CONSTRUCTION, ANY EXISTING PROPERTY DAMAGED AS A RESULT OF THE CONTRACTOR'S ACTIVITIES DURING EXECUTION OF THE CONTRACT SHALL BE RESTORED SO AS TO MATCH THE EXISTING AT NO COST TO THE OWNER.
- DRAWINGS SCALES MAY VARY FROM ONE SHEET TO THE NEXT. ALL PERSONS SHALL BE RESPONSIBLE FOR VERIFYING THE CORRECT SCALE OF ANY MEASUREMENTS MADE ON THE PLAN SHEETS. DRAWINGS IN GENERAL DO NOT SHOW DIMENSIONS OF EXISTING CONSTRUCTION, BUT ARE DRAWN APPROXIMATELY TO SCALE. CONTRACTOR SHALL OBTAIN ALL DIMENSIONS REQUIRED FOR CONSTRUCTION.
- WHEN THE TERM 'REMOVE' IS USED ON DRAWINGS IT SHALL MEAN THAT THE CONTRACTOR IS TO REMOVE THE REFERENCED MATERIAL OR EQUIPMENT AND DISPOSE OF IN A PROPER MANNER. WHEN THE TERM 'REMOVE AND SALVAGE' IS USED THE CONTRACTOR SHALL REMOVE THE REFERENCED MATERIAL OR EQUIPMENT, TRANSPORT TO THE DESTINATION INDICATED, AND UNLOAD THE MATERIAL OR EQUIPMENT AS DIRECTED BY THE OWNER. THE PLANS DO NOT NECESSARILY SPELL OUT ALL ITEMS REQUIRING REMOVAL, DEMOLITION, OR PATCHING. WHERE NOT SHOWN, ALL REMOVAL, DEMOLITION, CUTTING, PATCHING AND OTHER WORK NECESSARY TO ACCOMMODATE NEW CONSTRUCTION SHALL BE PROVIDED AS A PART OF THE CONTRACT.

PROCESS PIPING LEGEND

P

M

PLUG VALVE

GATE VALVE

CHECK VALVE

BUTTERFLY VALVE

PINCH VALVE

PNEUMATIC–, MOTORIZED (ELECTRIC) ACTUATORS

ELBOWS

CROSS, TEE, WYE

PIPE UP, PIPE DOWN

CONCENTRIC REDUCER, ECCENTRIC REDUCER

FLANGED FLEXIBLE CONNECTER

FLOW METER

BALL VALVE

CONTROL VALVE

PRESSURE REGULATOR

ELBOW/TEE DOWN

ELBOW/TEE UP

10-M-01

DRAWING NUMBER

DISCIPLINE IDENTIFIER

STRUCTURE IDENTIFIER

ELEVATION

100.00

T/WALL

DESCRIPTION (IF NECESSARY)

ELEVATION MARKER

X

xx–x–xx

DETAIL NUMBER

DRAWING ON WHICH DETAIL IS SHOWN

X

xx–x–xx

SECTION LETTER

LOCATED ON SHEET

30-GT-01

GATE

GATE NUMBER

STRUCTURE IDENTIFICATION

GENERAL
CIVIL
REMOVAL
ARCHITECTURAL
STRUCTURAL
PROCESS/MECHANICAL
PLUMBING
HVAC
ELECTRICAL
PROCESS/INSTRUMENTATION
FIRE PROTECTION

G
C
R
A
S
M
P
H
E
W
F
P

00-G-02

DISCIPLINE DESIGNATION

STANDARD ABBREVIATIONS, DESIGNATIONS,
SITE/PROCESS LEGENDS & GENERAL NOTES

2023 WASTEWATER TREATMENT FACILITY
STORAGE GARAGE EXPANSION
Village of Jackson, Wisconsin

PROJECT NO.:
DRAWING FILE:
JK-18 COVER & 00-G
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00-G-02

6264 Nesbitt Road
Madison, WI 53719
(608) 273-3350
www.tceengineers.net
TOWN & COUNTRY
ENGINEERING, INC.

ELECTRICAL PLAN SYMBOLS

OUTLETS AND DEVICES

	DUPLEX
	DUPLEX (COUNTER TOP HEIGHT)
	SINGLE
	DOUBLE DUPLEX
	SPECIAL OUTLET
	EQUIPMENT CONNECTION
	DATA OUTLET
	TELEPHONE/DATA OUTLET
	TELEPHONE OUTLET
	TELEPHONE BLACKBOARD

LIGHTING

	LUMINAIRE, CEILING MOUNTED, RECESSED OR SURFACE
	WALL MOUNTED FIXTURE
	FIXTURE - DOUBLE OR SINGLE HEAD SPOTLIGHT
	EXIT FIXTURE
	EMERGENCY BATTERY REMOTE HEADS
	EMERGENCY BATTERY UNIT WITH HEADS
	SINGLE POLE MOUNTED FIXTURE
	TWIN POLE MOUNTED FIXTURE

SWITCHES

\$	SINGLE POLE SWITCH
\$ ₂	DOUBLE POLE SWITCH
\$ ₃	THREE WAY SWITCH
\$ ₄	FOUR WAY SWITCH
\$ _a \$ _b \$ _c	SWITCH CONTROL A, B, C
\$ _K	KEY OPERATED
\$ _P	SWITCH WITH PILOT LIGHT
\$ _{WP}	WEATHERPROOF SWITCH
\$ _D	DIMMER SWITCH
	OCCUPANCY SENSOR, WALL MOUNTED
	OCCUPANCY SENSOR, CEILING MOUNTED
\$ _M	MOTOR RATED SWITCH
\$ _{MS}	MANUAL MOTOR STARTER

SERVICE AND DISTRIBUTION

	LIGHTING OR POWER PANEL - RECESSED
	LIGHTING OR POWER PANEL - SURFACE
	DISTRIBUTION PANEL
	MOTOR CONTROL CENTER
	TRANSFORMER - REFER TO ONE-LINE. XX-XFMR-01 INDICATES LOCATION AT STRUCTURE XX.
	CURRENT TRANSFORMER CABINET (UTILITY METERING)
	METER AND SOCKET

MOTOR CONTROL

	DISCONNECT SWITCH, NON-FUSED
	DISCONNECT SWITCH, FUSED
	ENCLOSED CIRCUIT BREAKER
	MAGNETIC CONTACTOR
	ADJUSTABLE FREQUENCY DRIVE
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC MOTOR STARTER
	EQUIPMENT CONTROL PANEL - XXX INDICATES EQUIPMENT SERVED
	PUSHBUTTON
	ON/OFF PUSHBUTTON
	THREE FUNCTION PUSHBUTTON (UP/DOWN/STOP)
	THERMOSTAT
	SOLENOID VALVE
	MOTOR - NUMBER INDICATES HORSEPOWER

GENERAL NOTES

- THIS DRAWING IS A STANDARD LEGEND. SYMBOLS SHOWN MAY NOT ALL APPEAR ON DRAWINGS FOR THIS PROJECT.
- ALL CONTACTS ARE SHOWN IN THE DE-ENERGIZED (SHELF) POSITION. BI-STABLE RELAYS ARE SHOWN IN THE RESET POSITION.
- ONE-LINE DIAGRAMS FOR POWER SWITCHGEAR, USE ANSI STANDARD SYMBOLS AND ABBREVIATIONS.
- SEE INSTRUMENTATION I + C SYMBOLS LEGEND FOR INSTRUMENTATION SYMBOLS AND DETAILS.
- OTHER ABBREVIATIONS PER NECA 100-213 AND ISA S5.1
- ELEVATIONS ADJACENT TO SYMBOLS ARE BASED ON STATION DATUM. HEIGHTS ADJACENT TO SYMBOLS (+4.0) ARE REFERENCED TO FINISHED FLOOR GRADE.
- SEE SPECIFICATIONS AND SCHEDULES FOR COMPONENT REQUIREMENTS FOR MOTOR CONTROLLERS AND FOR CONTRACTORS.

SECURITY AND FIRE PROTECTION

	DOOR HOLDER
	HORN AND STROBE
	HORN ONLY
	STROBE ONLY
	MANUAL PULL STATION
	SMOKE DETECTOR
	HEAT DETECTOR - RATE OF RISE
	HEAT DETECTOR - FIXED TEMPERATURE
	WATER FLOW SWITCH
	LOW PRESSURE SWITCH
	TAMPER SWITCH
	SECURITY CAMERA - WP INDICATES WEATHERPROOF EXTERIOR CAMERA
	MOTION DETECTOR
	FIRE ALARM ANNUNCIATOR
	FIRE ALARM CONTROL PANEL

WIRING AND CONDUIT

- SIZE CONDUIT PER NEC. MINIMUM SIZE $\frac{3}{4}$ ".
- (X)#12 & #12G

REFERS TO NUMBER OF WIRE(S) AND SIZE OF WIRE(S) REQUIRED, WHERE AS:
(1)= ONE WIRE
#12 = THE SIZE OF WIRE REQUIRED
G = GROUND WIRE

- (X) 1-1/2"

REFERS TO NUMBER OF CONDUIT(S) AND SIZE OF CONDUIT(S) REQUIRED, WHERE AS:

(1)= ONE CONDUIT
1-1/2" = THE SIZE OF CONDUIT REQUIRED

*REFER TO DRAWINGS FOR REQ'D WIRE AND CONDUIT SIZES AND AMOUNTS

CIRCUITS

	CONDUIT STUB - TERMINATE WITH CAP
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	HOMERUN TO PANELBOARD - H(X)-(Y,Z) OR L(X)-(Y,Z) - HIGH OR LOW VOLTAGE PANEL (X) - CIRCUIT (Y,Z) AS INDICATED
	JUNCTION BOX

ELECTRICAL ABBREVIATIONS

1P	ONE POLE
2P	TWO POLE
3P	THREE POLE
4P	FOUR POLE
1P1W	ONE POLE, ONE WIRE
1P2W	ONE POLE, TWO WIRE
2P2W	TWO POLE, TWO WIRE
2P3W	TWO POLE, THREE WIRE
3P2W	THREE POLE, TWO WIRE
3P3W	THREE POLE, THREE WIRE
3P4W	THREE POLE, FOUR WIRE
4P4W	FOUR POLE, FOUR WIRE
A	AMPERE
AC	ALTERNATING CURRENT
AF	AMP FRAME
AFCI	ARC-FAULT CIRCUIT INTERRUPTER
AFD	ADJUSTABLE FREQUENCY DRIVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AS	AMP SWITCH
AT	AMP TRIP
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AUD	AUDIOMETER BOX CONNECTION
AUX	AUXILIARY
A/V	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
C	CONDUIT (GENERIC TERM FOR RACEWAY.)
CAM	CAMERA
CAT	CATALOG
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CKT	CIRCUIT
COL	COLUMN
C.T.	CURRENT TRANSFORMER
C.U.	COPPER
CL	CENTERLINE
DC	DIRECT CURRENT
Δ	DELTA
DET	DETECTOR
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DWG	DRAWING

E	WIRED ON EMERGENCY CIRCUIT
EA	EACH
EC	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
EDH	ELECTRICAL DUCT HEATER
EF	EXHAUST FAN
ELEC	ELECTRIC(AL)
ELEV	ELEVATION
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
ENCL	ENCLOSURE
EOL	END OF LINE
EP	EXPLOSION PROOF
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
EUH	ELECTRIC UNIT HEATER
EW	ELECTRIC WATER COOLER
EW	ELECTRIC WATER HEATER
EXIST.	EXISTING
F	FLUSH
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS
FC	FIRE PROTECTION CONTRACTOR
FCU	FAN COIL UNIT
FDN	FOUNDATION
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLR	FLOOR
FMC	FLEXIBLE METALLIC CONDUIT
FRE	FIBERGLASS REINFORCED EPOXY CONDUIT
FURN	FURNITURE
G	GROUND
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFPE	GROUND FAULT PROTECTION EQUIPMENT
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
HGT	HEIGHT
HP	HORSEPOWER
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HZ	HERTZ (CYCLE) PER SECOND

IAM	INDIVIDUAL ADDRESSABLE MODULE
ID	IDENTIFICATION
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
I/O	INPUT/OUTPUT
IR	PASSIVE INFARED
I.S.	INTRINSICALLY SAFE
J-JO	JUNCTION BOX
KCMIL	ONE THOUSAND CIRCULAR MILS
K/O	KNOCK-OUT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
LFNC	LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT
LP	LIGHTING PANELBOARD
LS	LIMIT SWITCH
LTG	LIGHTING
LV	LOW VOLTAGE
MAINT	MAINTAINED
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MC	METAL CLAD CABLE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MDP	MAIN DISTRIBUTION PANEL
MISC	MISCELLANEOUS
MFR	MANUFACTURER
MLO	MAIN LUGS ONLY
MOD	MOTOR OPERATED DISCONNECT SWITCH
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
N	NORTH
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NF	NON-FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NM	NONMETALLIC SHEATHED CABLE
NO	NORMALLY OPEN
NRTL	NATIONALLY RECOGNIZED TESTING LAB
#	NUMBER
NTS	NOT TO SCALE

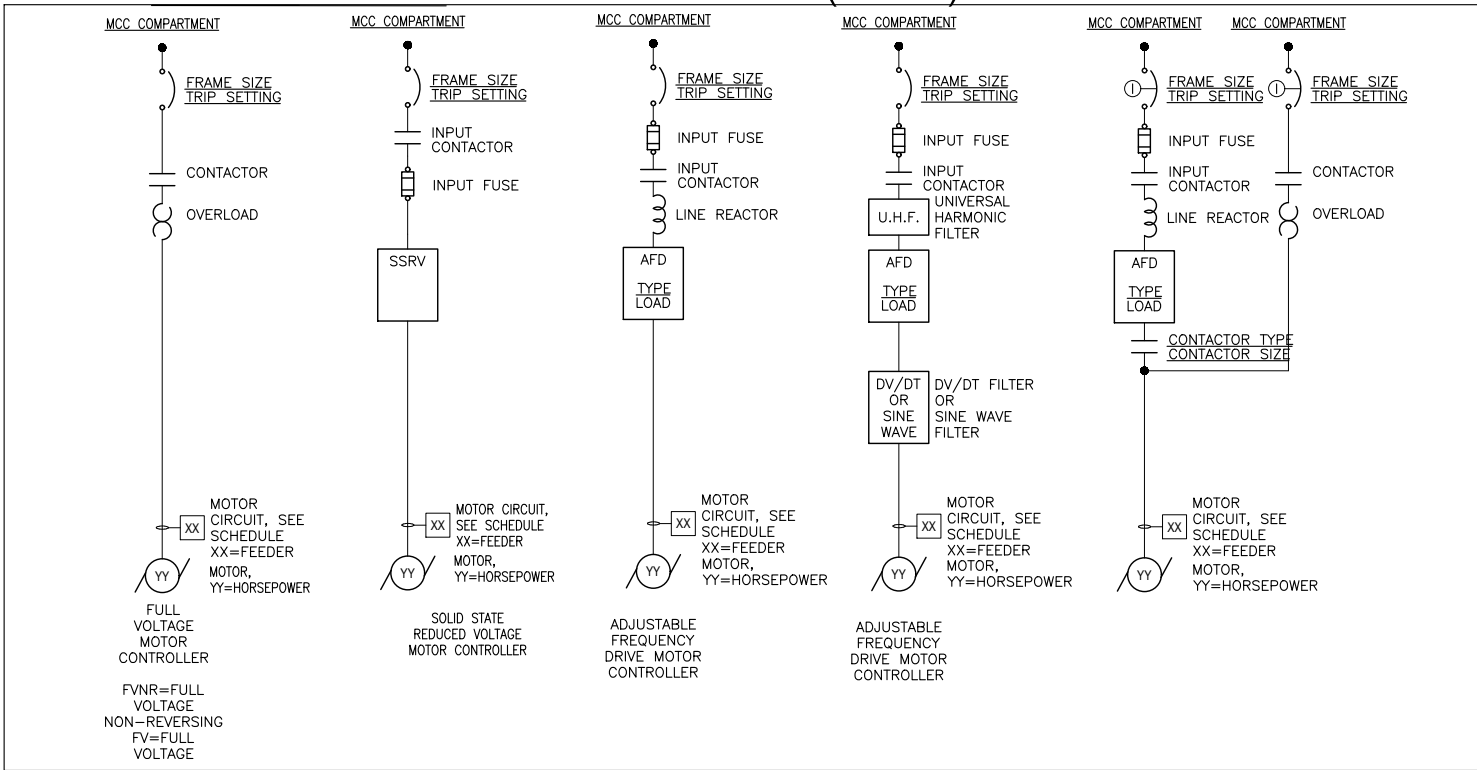
OHD	OVERHEAD DOOR OPERATOR
OL	OVERLOAD
P	POLE
PB	PULL BOX
PC	PLUMBING SYSTEM CONTRACTOR
PE	PRIMARY SERVICE
PEC	PHOTO ELECTRIC CONTROL
PH	PHASE
PIV	POST INDICATING VALVE
PNL	PANEL(BOARD)
PP	POWER PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
RE	REMOVE EXISTING
REC	RECESSED
RECP	RECEPTACLE
REQD	REQUIRED
RM	ROOM
RMC	RIGID METAL CONDUIT
RTU	ROOFTOP UNIT
S	SURFACE MOUNTED
SCH	SCHEDULE
SEC	SECONDARY
SIG	SIGNAL
SN	SOLID NEUTRAL
SP	SPARE
SPD	160KA/ PHASE MINIMUM SURGE PROTECTIVE DEVICE
SPEC	SPECIFICATION
SPKR	SPEAKER
SS	STAINLESS STEEL
STP	SHIELDED TWISTED PAIR
STL	CARBON STEEL
SUSP	SUSPENDED
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TC	TELEPHONE CABINET
TCI	TELECOMMUNICATIONS CABLING INSTALLER
TCP	TEMPERATURE CONTROL PANEL
TEL	TELEPHONE/DATA
TEL/DATA	TELEPHONE
TEMP	TEMPORARY
TERM	TERMINAL(S)
TV	TELEVISION
TYP	TYPICAL

UC	UNDER COUNTER
UG	UNDERGROUND
UH	UNIT HEATER
UPS	UNINTERRUPTIBLE POWER SOURCE
UTIL	UTILITY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
VPD	VARIABLE FREQUENCY DRIVE
W	WATT
W/	WITH
WH	WATTHOUR
WP	WEATHERPROOF
XFMR	TRANSFORMER
XLP	CROSS LINKED POLETHYLENE
Y	WYE
ZAM	ZONE ADAPTER MODULE

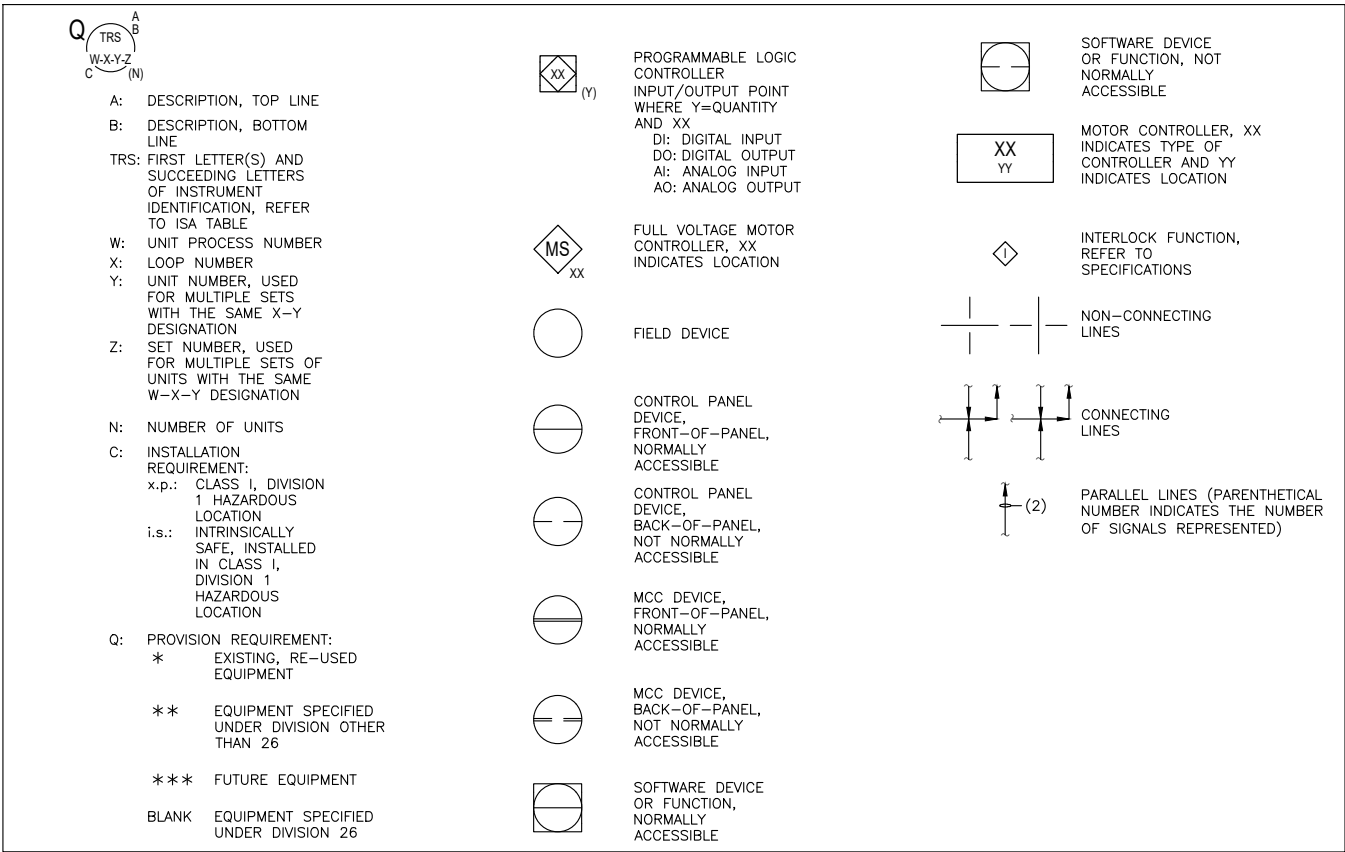
INTERNATIONAL SOCIETY OF AUTOMATION
INSTRUMENT IDENTIFICATION

	FIRST LETTER(S)		SUCCEEDING LETTERS		
	MEASURED OR INITIATING VARIABLE	VARIABLE	READOUT / PASSIVE FUNCTION	OUTPUT / ACTIVE FUNCTION	FUNCTION
A	ANALYSIS		ALARM		
B	BURNER, COMBUSTION		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
C	USER'S CHOICE			CONTROL	CLOSE
D	USER'S CHOICE	DIFFERENCES			DEVIATION
E	VOLTAGE		SENSOR (PRIMARY ELEMENT)		
F	FLOW, FLOW RATE	RATIO			
G	USER'S CHOICE		GLASS, VIEWING DEVICE		
H	HAND				HIGH
I	CURRENT		INDICATE		
J	POWER				
K	TIME, SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT		LOW
M	MOISTURE				MIDDLE, INTERMEDIATE
N	TORQUE		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
O	USER'S CHOICE		ORIFICE, RESTRICTION		OPEN
P	PRESSURE (VACUUM)		POINT, TEST CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE			
R	RADIATION		RECORD		RUN
S	SPEED, FREQUENCY	SAFETY		SWITCH	STOP
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	
V	VIBRATION, MECHANICAL ANALYSIS			VALVE, DAMPER, LOUVER	
W	WEIGHT, FORCE		WELL		
X	UNCLASSIFIED	X AXIS	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE, PRESENCE	Y AXIS	AUXILIARY DEVICES		
Z	POSITION, DIMENSION	Z AXIS, SAFETY INSTRUMENT OF SYSTEM		DRIVE ACTUATE OR UNCLASSIFIED FINAL CONTROL ELEMENT	

MOTOR CONTROL (MCC) SYMBOLS



P&ID SYMBOLS (TYPICAL)



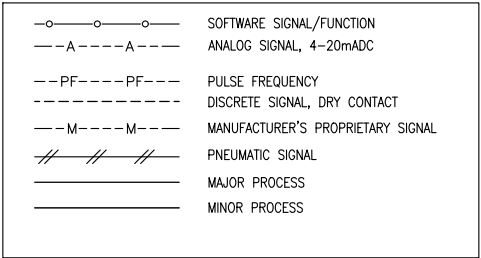
INSTRUMENT WIRING LEGEND

- AX = 2C#16 SHIELDED, TWISTED PAIR CABLE (X = NUMBER OF CABLES)
- DX = #14 THHN WIRE (X = NUMBER OF WIRES)
- MX = 1" CONDUIT FOR CABLE SUPPLIED BY MANUFACTURER BY MFG. (X = NUMBER OF CONDUITS)
- EX = 3/4" CONDUIT AND CAT5E(X) CABLE(S) (X = NUMBER OF CABLES)
- FO = CONDUIT AND FIBER OPTIC CABLE

PROCESS NOTES

- PROVIDE SEPARATE CONDUITS FOR THE FOLLOWING:
 - 24 V DC ANALOG
 - 24 V DC CONTROL/ DC PULSE
 - INTRINSICALLY SAFE
 - MANUFACTURERS CABLE
 - 120 VOLT CONTROL
 - 120 VOLT POWER
 - 480 VOLT POWER
 - LOW VOLTAGE INSTRUMENTATION
 - COMMUNICATION
- REFER TO SPECIFICATION 26 90 00 FOR LOOP AND OPERATOR INTERFACE FUNCTIONS.
- REFER TO RESPECTIVE DIVISION SPECIFICATIONS FOR ADDITIONAL DETAILS REGARDING INSTRUMENTATION AND CONTROL EQUIPMENT FURNISHED UNDER THOSE SPECIFICATIONS.

LINETYPE LEGEND





GENERAL NOTES

1.

BASIS OF STRUCTURAL DESIGN	
[1.0] ROOF LIVE LOADS:	
SNOW: GROUND (P_g)/ROOF FLAT (P_f)	30/25 PSF
UNBAL. SNOW LOAD (ASCE-7 FIG. 7-5)	40/25 PSF
IMPORTANCE FACTOR (I_g)	1.0
THERMAL FACTOR (C_t)	1.0
SNOW EXPOSURE FACTOR (C_e)	1.2
[1.1] SUPERIMPOSED ROOF DEAD LOADS (LOADS ON COMPONENTS):	
ROOFING, INSUL., FP, MWP, MISC.	18 PSF
[1.2] FLOOR LIVE LOADS:	
SLAB-ON-GRADE	250 PSF
[2.0] WIND (SIMPLIFIED PROCEDURE LOW-RISE BUILDINGS):	
WIND RISK CATEGORY	II
ENCLOSURE LEVEL	FULL
ULTIMATE DESIGN WIND SPEED (V_{ult})	115 MPH
NOMINAL DESIGN WIND SPEED (V_{asd})	90 MPH
IMPORTANCE FACTOR (I_w)	1.0
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT	± 0.18
[3.0] SEISMIC (EQUIVALENT LATERAL FORCE PROCEDURE):	
SEISMIC RISK CATEGORY	II
SEISMIC IMPORTANCE FACTOR (I_a)	1.00
SITE CLASS	D
SEISMIC DESIGN CATEGORY	A
SEISMIC FORCE-RESISTING SYSTEM	NOTE-2
[4.0] ALLOWABLE SOIL BEARING CAPACITY & SUBGRADE MODULUS (ASSUMED):	
FOOTINGS	2,000 PSF
SLAB-ON-GRADE	150 PCI

BUILDING INFORMATION	
PROJECT TYPE	ADDITION
STRUCTURE PURPOSE	NOTE-3
USE & OCCUPANCY	NOTE-4
NO. STORIES	1
CONSTRUCTION CLASS	VB
GROSS AREA NEW CONSTRUCTION	2,291 SF
GROSS AREA EXIST. & NEW	6,910 SF
GROSS ENCLOSED VOLUME	153,890 CF
FIRE SUPPRESSION (Y/N)	N
FIRE ALARM (Y/N)	N
EXIT TRAVEL DIST. (MAX. PER T.1017.2)	NOTE-6
ACCESSIBILITY	NOTE-5
CODE AUTHORITY SUBMITTAL (Y/N)	Y

1. PROJECT ADDRESS: W-191416658 EAGLE DRIVE, JACKSON, WI
2. COMMERCIAL BUILDINGS DELEGATED AUTHORITY: WISCONSIN DEPARTMENT OF SAFETY & PROFESSIONAL SERVICES (IBC 2015)
3. STRUCTURE PURPOSE:
CONSTRUCT ADDITION TO EXISTING STORAGE GARAGE TO PROVIDE ADDITIONAL CAPACITY USE & OCCUPANCY, AND ACCESSIBILITY:
4. MODERATE HAZARD STORAGE GROUP S-1, NO SEPARATIONS REQUIRED, TABLE 508.4, ALLOWABLE BUILDING HEIGHT GROUP S-1 = 9,000 SQ. FT. (NS, MOST RESTRICTIVE), TABLE 506.2 ACCESSIBILITY: PROVIDED
5. ALLOWABLE EXIT TRAVEL DISTANCE: 200' (GROUP S-1)

1. PROVIDE FOR ADDITIONAL 5 PSF LL AT ALL ATTIC SPACES.
2. SEISMIC FORCE-RESISTING SYSTEM: A. BEARING WALL SYSTEMS, 14. LIGHT-FRAMED WALLS WITH SHEAR PANELS OF ALL OTHER MATERIALS (PER ASCE 7).
3. COMPONENT DELEGATED DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PROVISIONS OF THE WISCONSIN DEPARTMENT OF ADMINISTRATIVE CODE, CHAPTER SPS 362 (CURRENT EDITION). COMPONENT SUBMITTAL SHALL INCLUDE: WOOD ROOF TRUSSES.



1. GENERAL NOTES, REMOVE NOTES, AND KEY NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO CONVEY TYPICAL CONDITIONS AND SHALL BE TAKEN TO ALSO APPLY TO SIMILAR CONSTRUCTION DEPICTED ELSEWHERE THROUGHOUT THE PROJECT DOCUMENTS.
2. EXISTING INFORMATION SHOWN ON DRAWINGS WAS OBTAINED, IN PART, FROM EXISTING DOCUMENTATION, FIELD MEASUREMENTS AND INFORMATION PROVIDED BY OTHERS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACCURACY OF INFORMATION AS REQUIRED TO ACCOMMODATE REMOVALS & NEW CONSTRUCTION.
3. CONCRETE REMOVAL METHOD SHALL UTILIZE STRAIGHT UNIFORM SAW-CUTS WHERE PARTIAL REMOVAL IS REQUIRED.
4. FURNISH COLOR SELECTION CHARTS FOR ALL FACTORY-FINISHED COMPONENTS.

1. EX. CONCRETE FOUNDATION WALL OPENING, REMOVE CONCRETE DOWN TO 8" BELOW PROPOSED FLOOR SLAB ELEVATION TO ALLOW SLAB OVER-POUR AT NEW OVERHEAD DOOR
2. EX. CONCRETE STEM WALL, REMOVE CONCRETE DOWN TO 8" BELOW PROPOSED FLOOR SLAB ELEVATION TO ALLOW SLAB OVER-POUR AT NEW OVERHEAD DOOR & PROPOSED NEW WALL OPENING
3. REMOVE EX. CONCRETE DRIVE STRIPS AND ASSOCIATED CONCRETE AT EX. DRIVE
4. REMOVE EX. ROOFING ABOVE TO INCLUDE ASPHALT SHINGLES, FELT, ICE & WATER-SHIELD (WHERE PRESENT), FASCIA CLADDING, AND DRIP EDGE IN PREPARATION FOR RE-ROOFING
5. REMOVE EX. GUTTERS & DOWNSPOUTS IN PREPARATION FOR NEW FASCIA CLADDING. SALVAGE AND RE-USE ONLY AS APPROVED BY A/E.

2. EX. CONCRETE FOOTINGS AND STEM/FORM-WALL TO REMAIN
3. NEW 14H. X 14W. SECTIONAL OVERHEAD DOOR (OHD), TYP. (2) LOCATIONS, PROVIDE ALL OPERATIONAL HARDWARE AS SPECIFIED TO INCLUDE BUT NOT BE LIMITED TO TRACKS, HINGES & ROLLERS, COUNTERBALANCE SYSTEM, ELECTRIC OPENER, WEATHERSEALS, LIMIT SWITCH, AND OBSTRUCTION DETECTION, EXTERIOR ELECTRONIC KEYPAD, FURNISH (4) REMOTE CONTROLS PER DOOR
3. NEW 6" AS- CONCRETE-FILLED PIPE BOLLARDS; (4) REQ'D, REF. 6/100-AS-D1
4. FACTORY-FINISHED 3" X 4" METAL DOWNSPOUT SYSTEM AT (6) LOCATIONS SHOWN
5. EGRESS TRAVEL PATH & ASSOCIATED DISTANCE
6. REQUIRED EUT, PROVIDE UNOBSTRUCTED PATH WHERE SHOWN
7. NEW 2X6 WOOD STUD WALL SYSTEM, REF. SECTION FOR TYPICAL CONSTRUCTION
8. NEW 2X6 SLAB-ON-GRADE, PITCH SURFACE TO CATCH BASIN & FLOOR DRAIN
9. CATCH BASIN (CB) & FLOOR DRAIN (FD), REF. PLUMBING DWGS
10. NEW ALUMINUM CLAD FIXED THERMOPLANE WINDOWS, MATCH SIZE STYLE AND INSTALLATION HEIGHT OF EX. BUILDING WINDOWS, TYP. (3) LOCATIONS, NOMINAL WINDOW SIZE 3H. X 4W.
11. NEW 24 GA. PREFINISHED VERTICAL RIBBED METAL PANEL WALL CLADDING SYSTEM TYP. AT EAST, SOUTH & WEST INTERIOR WALLS, NORTH WALL EX. METAL WALL PANEL SYSTEM TO REMAIN BELOW CEILING LINE, PROVIDE METAL TRIM AS NECESSARY TO INTEGRATE WITH NEW METAL WALL AND CEILING PANEL SYSTEMS
12. NFPA COMPLIANT FIRE EXTINGUISHER [FE] IN CABINET, REF. 8/100-AS-01, TYP. (2) LOCATIONS SHOWN
13. NEW-TO-EX. SLAB TRANSITION JOINT

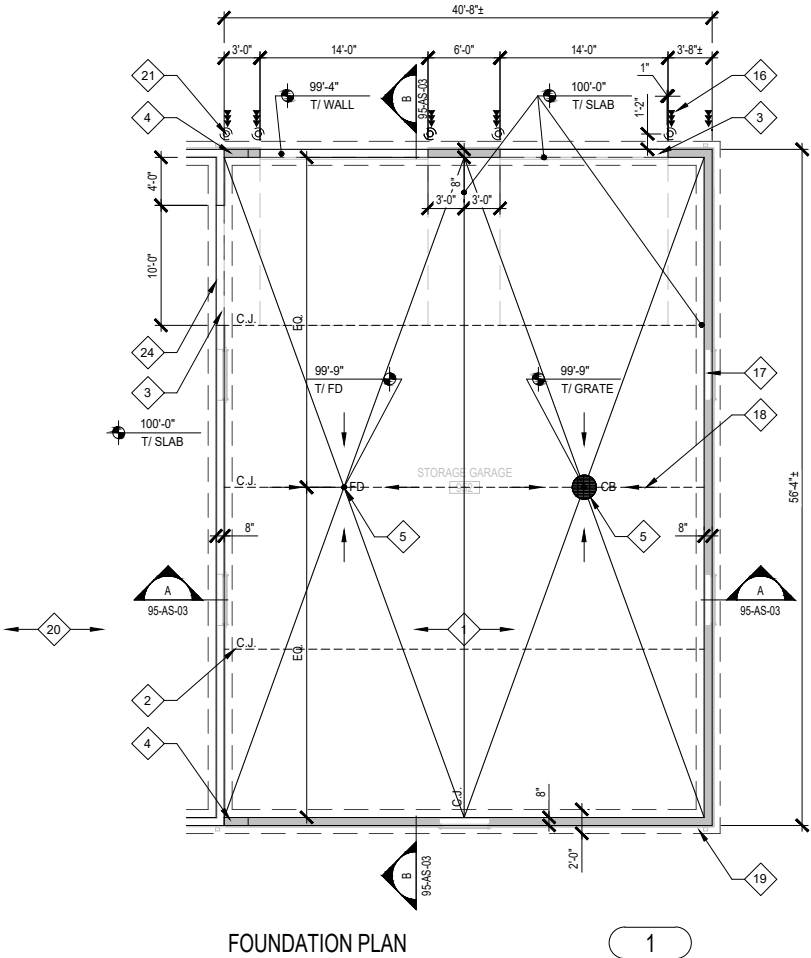
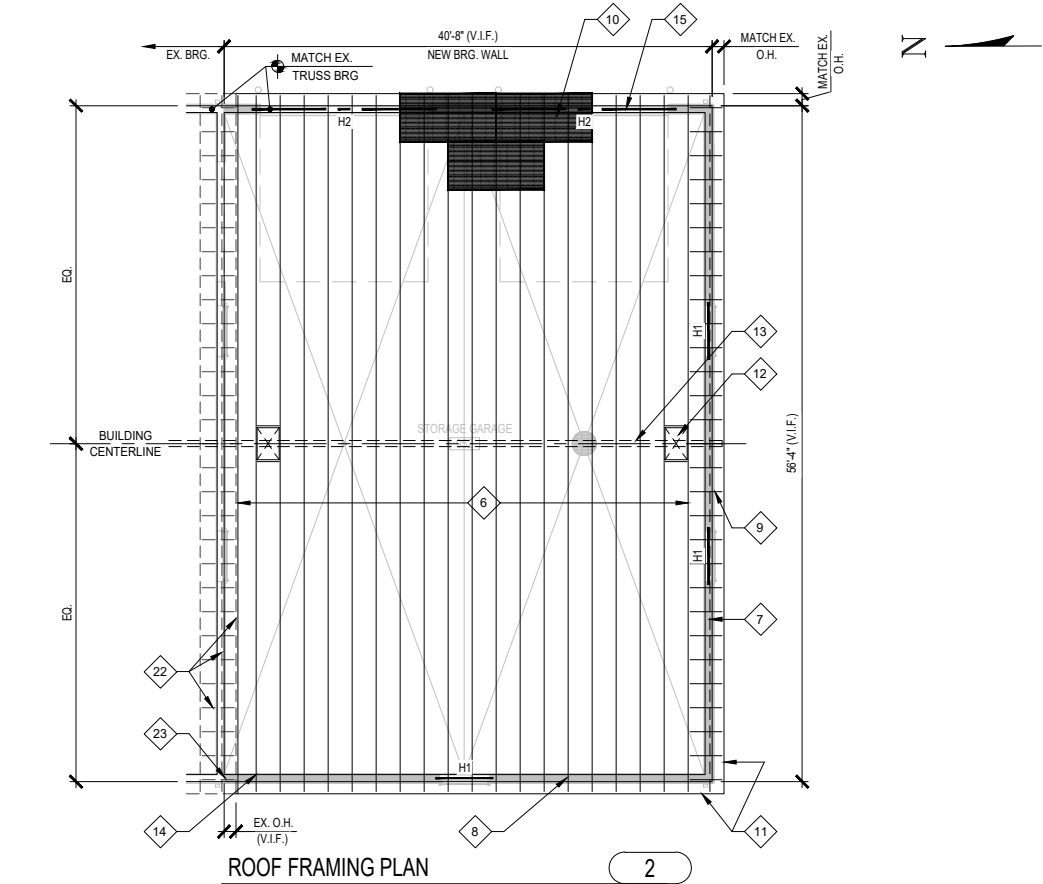
WOOD HEADERS			
MARK	TYPE	DESCRIPTION	BEARING (EA. END)
H1	HEADER	(3) 5 1/2"x1 3/4" LVL	WSP1
H2	HEADER	(3) 11 7/8"x1 3/4" LVL	WSP2

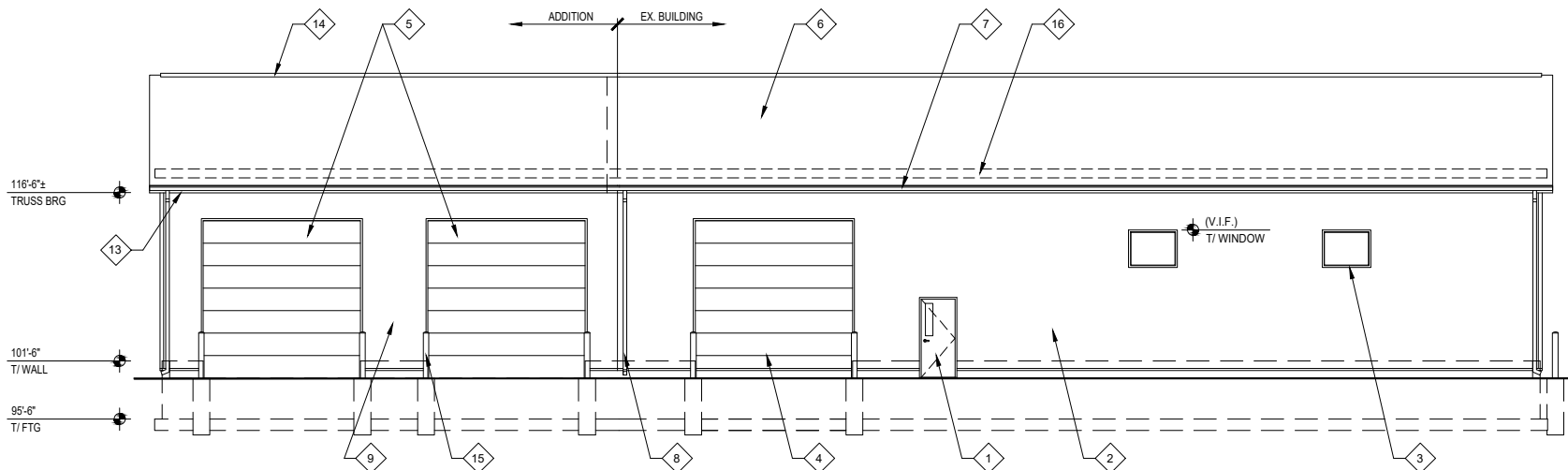
- WOOD BEAMS & HEADERS NOTES
- MISC. UNSPECIFIED HEADERS LESS THAN 4'-0" SHALL BE TYPE-H1, AS APPLICABLE.
 - BEARING STUDS SHALL MATCH WALL STUD WIDTH (2X6).
 - HEADERS FLUSH TO OUTSIDE FACE STUDS AT EXT. WALLS.
 - SCHEDULE DIMENSIONS INDICATED ARE "ACTUAL" UNLESS SPECIFIED AS "NOM" (NOMINAL).
 - REF. 2/100-AS-02 FOR MULTI-PLY HEADER ATTACHMENT.
 - REF. 3/100-AS-02 FOR TYPICAL STUD WALL AND HEADER SUPPORT FRAMING CONSTRUCTION. BLOCK APART HEADERS AS NECESSARY FOR R.O. AND 2X6 JACK SUPPORTS.

WOOD STUD POSTS		
MARK	DESCRIPTION	REMARKS
WSP1	(2) 2x6 (NOM.), STUD GRADE, OR BTR	-
WSP2	(3) 2x6 (NOM.), STUD GRADE, OR BTR	-

- WOOD POST NOTES
- REF. APPLICABLE DETAILS FOR BASE AND TOP ANCHORAGE TO CONNECTED ELEMENTS.
 - SCHEDULE DIMENSIONS INDICATED ARE "ACTUAL" UNLESS SPECIFIED AS "NOM" (NOMINAL).

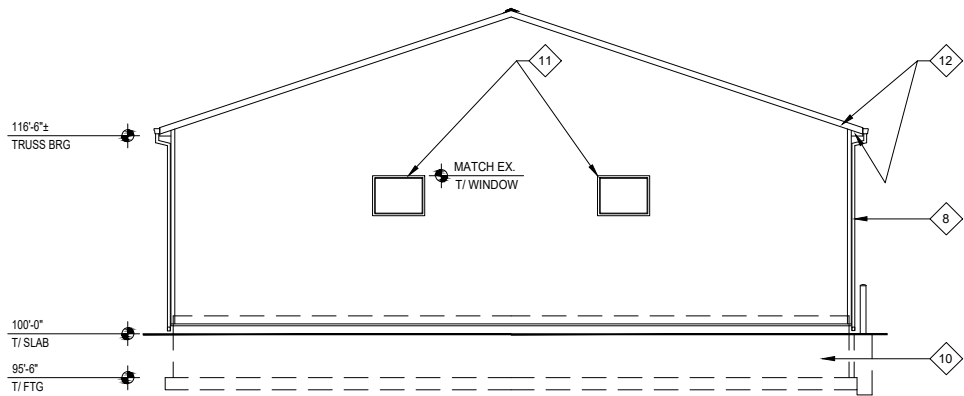
NOTE:
ALL FINISH-EXPOSED FORMED CONCRETE SURFACES SHALL RECEIVE A SMOOTH RUBBED FINISH PER SPECIFICATION SECTION 03 30 00 (3.7). INTERIOR CONCRETE SLABS SHALL BE STEEL TROWEL-FINISHED TO TOLERANCE $F_f=25$, $F_t=20$, UNO.





EAST ELEVATION

2



SOUTH ELEVATION

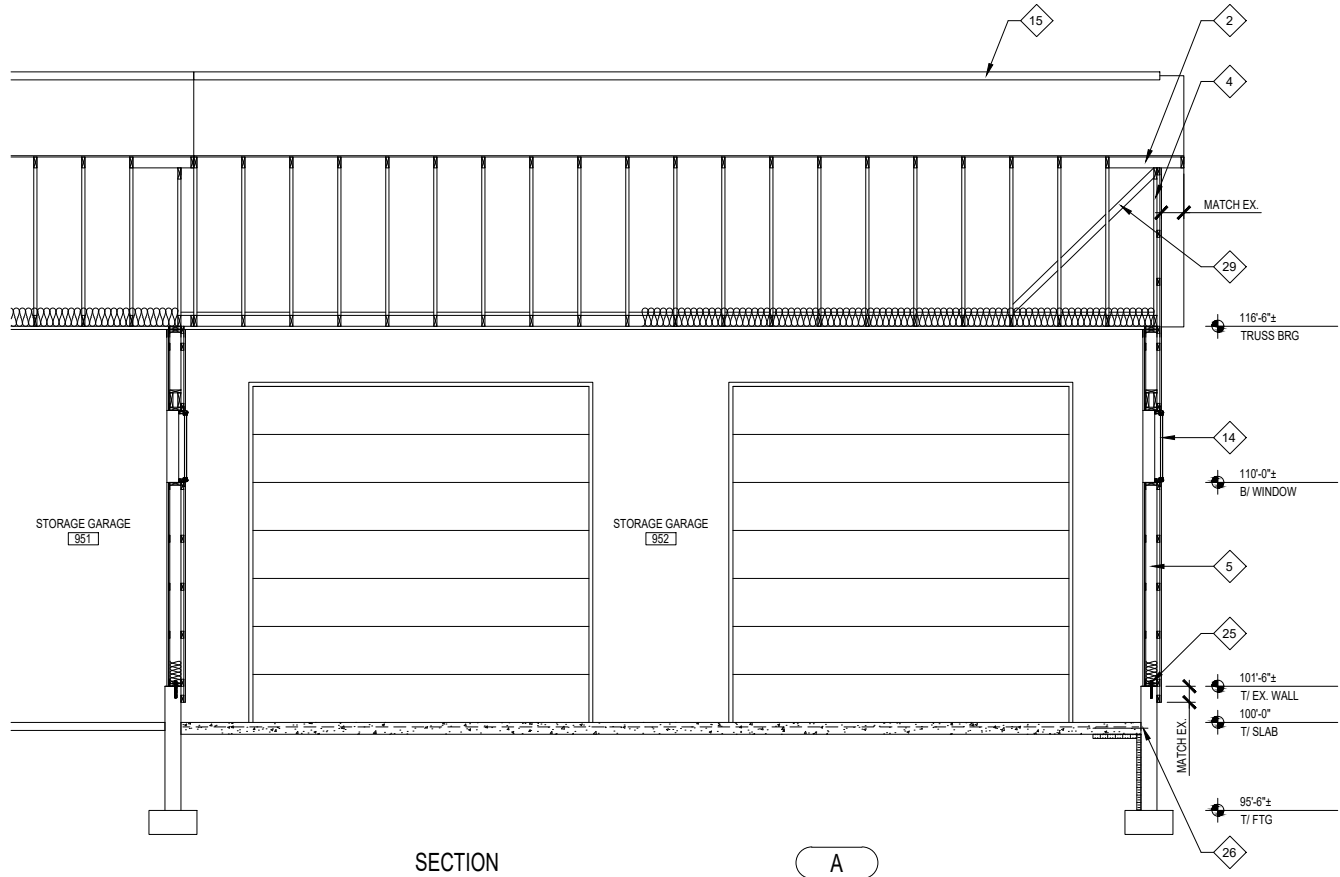
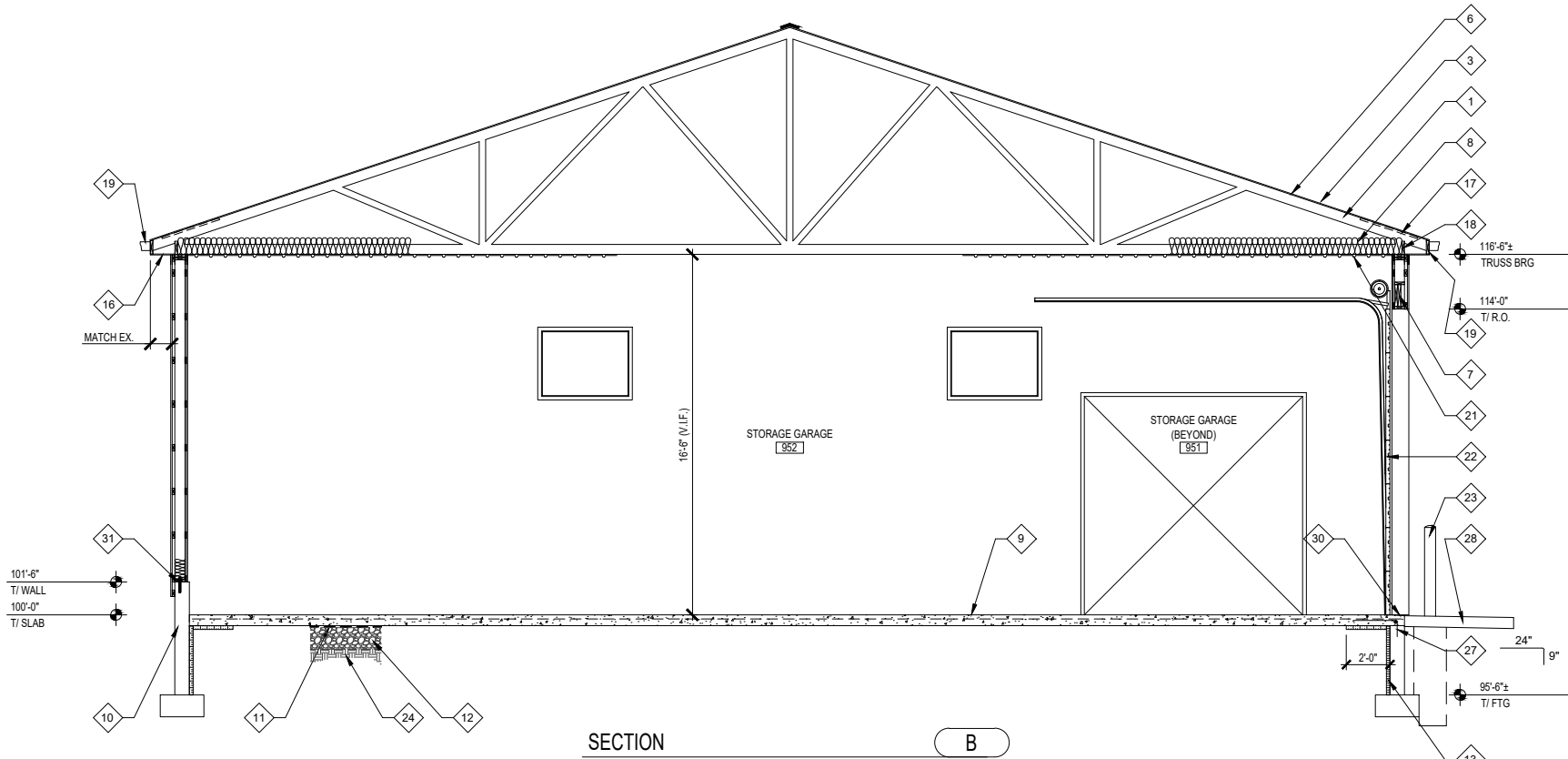
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KEY NOTES

1. EX. HOLLOW METAL DOOR & FRAME TO REMAIN (REQUIRED EXIT)
2. EX. METAL PANEL WALL SYSTEM TO REMAIN
3. EX. FIXED THERMOPANE WINDOW SYSTEM TO REMAIN
4. EX. SECTIONAL INSULATED O.H.D. SYSTEM TO REMAIN
5. NEW SECTIONAL INSULATED METAL O.H.D. SYSTEM, REF. 95-AS-01 FOR ADDITIONAL INFORMATION, TYP. (2) LOCATIONS
6. NEW RIBBED METAL ROOF SYSTEM, ENTIRE EX. BLDG & ADDITION, REF. SPECIFICATIONS & APPLICABLE NOTES FOR UNDERLAYMENT, DRIP EDGE, FLASHING, AND ICE & WATER SHIELD REQUIREMENTS
7. NEW FACTORY-FINISHED SEAMLESS TYPE-K COMMERCIAL METAL GUTTER, 6"W.
8. NEW FACTORY-FINISHED 3" X 4" DOWNSPOUT SYSTEM
9. NEW VERTICAL RIB METAL SIDING SYSTEM TO MATCH EX. BLDG, MATCH RIB PROFILE, GAUGE AND COLOR, CURRENT EX. SYSTEM BY MCELROY METAL, TYP.
10. EX. CAST-IN-PLACE CONCRETE FOUNDATION
11. NEW ALUM. CLAD WINDOWS TO MATCH EX. INSTALL AT HEIGHT TO MATCH EX.
12. FACTORY-FINISHED VENTED ALUMINUM SOFFIT TO MATCH EX. BLDG, TYP. AT NEW ROOF SYSTEM
13. NEW FACTORY-FINISHED ALUMINUM CLAD FASCIA SYSTEM, TYP.
14. NEW CONT. FACTORY-FINISHED METAL RIDGE VENT, TYP. AT NEW METAL ROOFING
15. EX. BLDG & ADDITION
16. NEW PIPE BOLLARD, TYP.
17. INSTALL SNOW GUARD CLEATS ALONG ACCESS POINTS (ENTIRE EAST ELEVATION NEW ROOFING AS SHOWN BY DASHED LINE AREA), 'MINI SNOW GUARD' WITH GASKET AS SCREWS AS MANUFACTURED / SUPPLIED BY SNOWGUARDIRECT.COM, OR APPROVED EQUAL, INSTALL PER MANUFACTURER RECOMMENDATIONS, SET GASKET / FASTENERS IN CLEAR SILICONE SEALANT

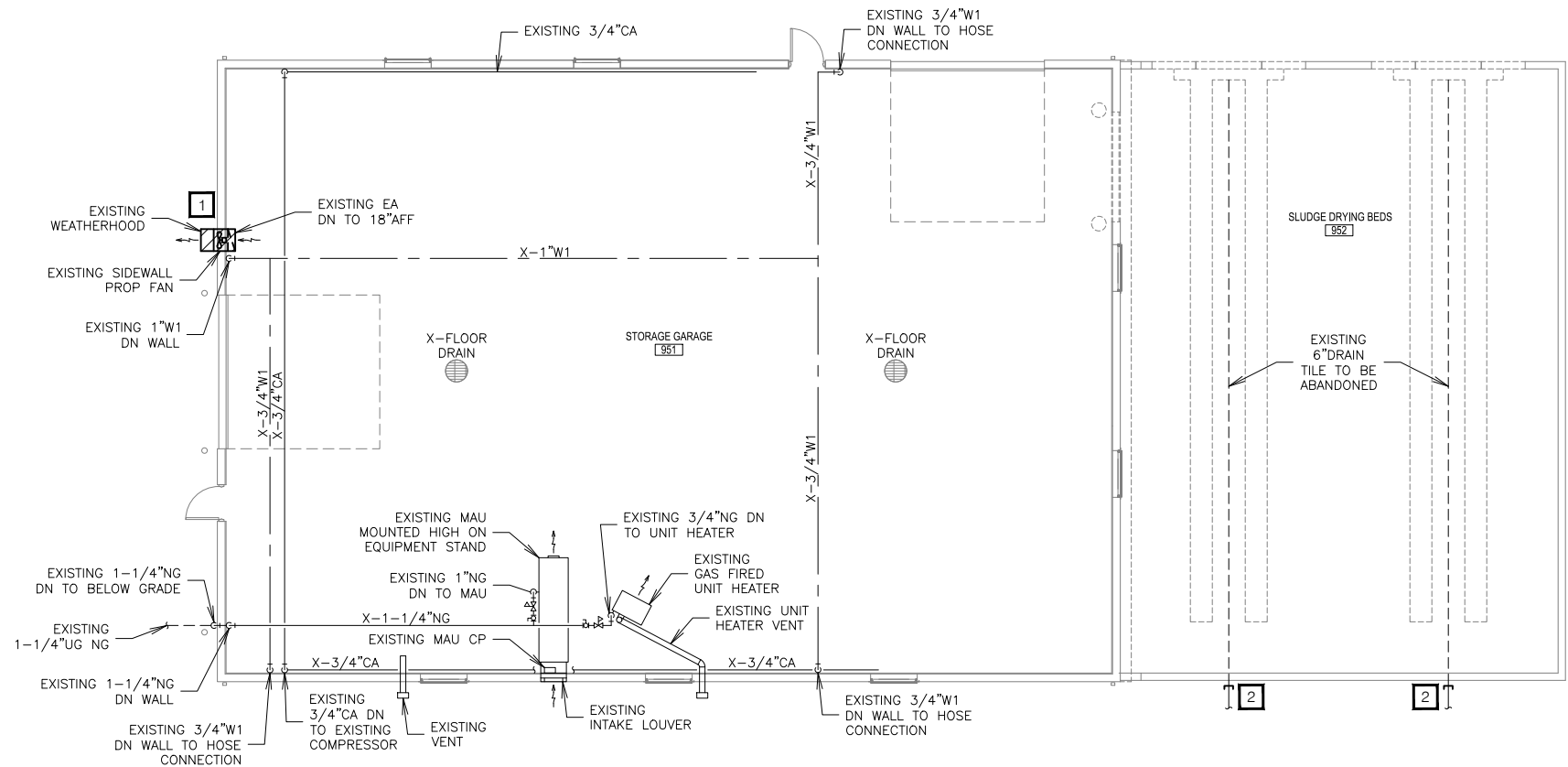


GENERAL NOTES

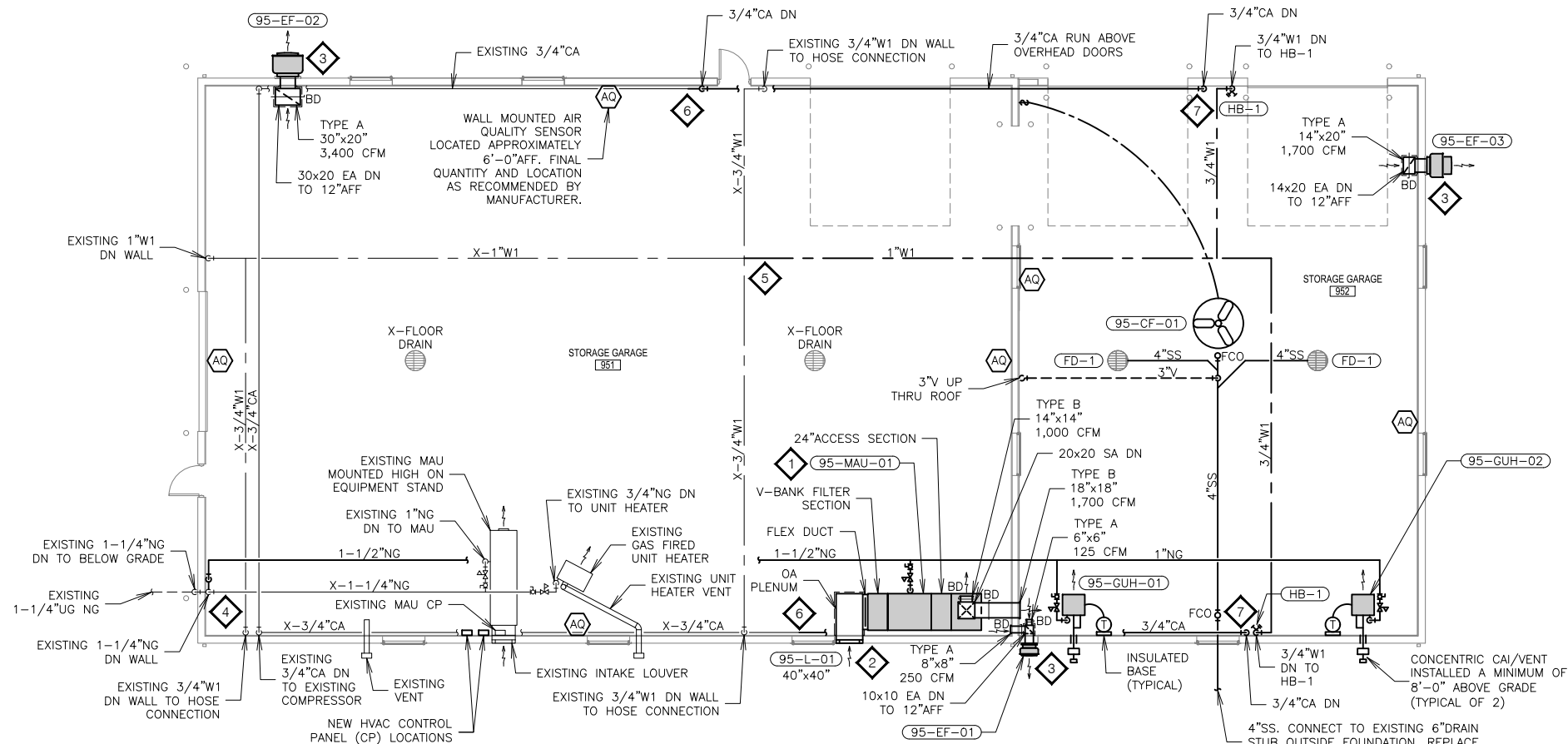
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3. TRUSS PROFILES MAY VARY FROM THAT SHOWN, NEW TRUSS WEB GEOMETRY SHALL BE AS DESIGNED BY TRUSS SUPPLIER.

KEY NOTES

1. WOOD ROOF TRUSSES @ 24" O.C.
2. 2X LOOK-OUTS AT 16" O.C.
3. FACTORY-FINISHED RIBBED METAL ROOF SYSTEM, REF. SPECIFICATION
4. DROPPED GABLE ENDWALL TRUSSES
5. WALL SYSTEM (INSIDE-TO-OUTSIDE): 24 GA. VERT. RIBBED METAL PANEL CLADDING, 6 MIL. POLY VAPOR RETARDER, 2X8 WOOD STUD WALL SYSTEM W/ SPACING 16" O.C. MAX., R19 FACED BATT INSULATION INFILL STUD SPACE, 15/32" O.S.B. SHEATHING, TYVEK (OR EQ.) AIR-INFILTRATION BARRIER, HOR. 2X4 SLEEPER GIRTS FOR METAL PANEL ATTACHMENT, FACTORY-FINISHED VERTICAL RIB METAL PANEL WALL SHEETING SYSTEM WITH ASSOCIATED TRIM & COPINGS TO MATCH EX. BLDG, REF. 3/100-AS-02 FOR TYPICAL STUD WALL CONSTRUCTION DETAILING
6. 19/32" OSB SHEATHING
7. WOOD HEADER, REF. ROOF FRAMING PLAN
8. R42 BLOWN-IN INSULATION OVER 6 MIL POLY VAPOR RETARDER
9. CONCRETE SLAB-ON-GRADE
10. EX. CONCRETE FROST-WALL AND CONT. FOOTING SYSTEM
11. 10 MIL POLY VAPOR RETARDER, TYP. IMMEDIATELY BELOW NEW INTERIOR SLAB-ON-GRADE FLOORS
12. MIN. 6" COMPACTED CRUSHED AGGREGATE SUB-BASE
13. EXCAVATE & INSTALL NEW 2" POLYSTYRENE INSULATION TO MIN. 48" BELOW GRADE, TYP. AT EAST, SOUTH AND WEST PERIM. WALLS
14. NEW ALUM. CLAD THERMOPANE WINDOW, MATCH EX. WINDOW SIZE AND INSTALLATION HEIGHT, TYP. AT (3) LOC.
15. CONT. METAL RIDGE VENTING SYSTEM
16. FACTORY-FINISHED VENTED METAL SOFFIT SYSTEM TO MATCH EX. BLDG.
17. VENT CHUTE EA. TRUSS SPACE
18. 2X8 INSULATION-STOP BETWEEN TRUSSES
19. NEW FACTORY-FINISHED METAL FASCIA CLADDING
20. NEW FACTORY-FINISHED METAL COMMERCIAL GRADE 6" TYPE-K SEAMLESS GUTTER SYSTEM
21. 29 GA. FACTORY-FINISHED RIBBED METAL PANEL CEILING SYSTEM ATTACHED DIRECTLY TO TRUSS BOTTOM CHORDS, INSTALL 6 MIL POLY VAPR RETARDER TO UNDERSIDE TRUSS CHORDS PRIOR TO INSTALLING METAL PANEL CEILING SYSTEM
22. INSULATED SECTIONAL OVERHEAD DOOR SYSTEM
23. PIPE BOLLARD
24. SUB-GRADE PREPARED AS SPECIFIED
25. 1/2" DIA. GALVANIZED DRILL & EPOXY ANCHOR BOLTS AT 32" O.C. MAX. SPACING, 6" EMBED. INTO EX. CONC. STEM WALL, INSTALL WITH 3" SQ. X 1/4" T. PLATE WASHER, TYP.
26. #4 X 24" DRILL & EPOXY DOWELS ALL AROUND, 5" EMBED. INTO EX. CONCRETE WALL, CENTER IN NEW SLAB
27. #4 BENT DOWELS @ 16" O.C., DRILL & EPOXY, 6" EMBED. INTO EX. CONC.
28. CONCRETE APRON TRANSITION TO MEET EX. ASPHALT AT OWNER'S OPTION: REQUIRES BIT. ASPHALT PAVEMENT SAW-CUT & REMOVAL, AS NECESSARY, COORD. WITH ENGINEER IF OPTION SELECTED
29. GABLE ENDWALL PERMANENT LATERAL BRACING
30. PITCH DOWNWARD 1/2" TOWARD EXTERIOR AND PROVIDE BROOM FINISH
31. SET BOTTOM WOOD PLATE ON CONTINUOUS SILL SEALER, TYP.



PLUMBING/HVAC REMOVAL PLAN
GROUND LEVEL



PLUMBING/HVAC PLAN
GROUND LEVEL

- REMOVAL NOTES**
1. REMOVE EXISTING SIDEWALL PROP FAN AND WEATHERHOOD ALONG WITH ALL ASSOCIATED DUCTWORK, WIRING AND CONTROL. PATCH WALL OPENING TO MATCH EXISTING.
 2. ABANDON/CAP EXISTING 6\"/>
- KEY NOTES**
1. MOUNT NEW MAKE-UP AIR UNIT (95-MAU-01) ON CONCRETE HOUSEKEEPING PAD ON 24\"/>
 2. TOP OF NEW LOUVER SHALL BE AT A HEIGHT OF 5'-8\"/>
 3. TOP OF NEW WALL OPENING SHALL BE AT A HEIGHT OF 12'-0\"/>
 4. CONNECT NEW 1-1/2\"/>
 5. CONNECT NEW 1\"/>
 6. CONNECT NEW 3/4\"/>
 7. TERMINATE 3/4\"/>



CEILING FANS													
MARK	MANUFACTURER	MODEL	LOCATION	BLADE DIAMETER (FT)	AIR DELIVERY (CFM)	AREA OF COVERAGE (SQ FT)	FAN RPM	COLOR	WEIGHT	UNIT ELECTRICAL			REMARKS
										FULL LOAD WATTS	FULL LOAD AMPS	VOLTS / PH	
95-CF-01	LEADING EDGE	60001	GARAGE 952	5	46,000	5,000	315	WHITE	30 LBS	160	1.4	115V / 1Ø	1, 2
1. PROVIDE WITH WALL MOUNTED SPEED CONTROL SWITCH. 2. PROVIDE WITH 24" DOWNROD.													

GAS FIRED MAKEUP AIR UNITS																				
MARK	MANUFACTURER	MODEL	SERVICE	SUPPLY FAN					HEATING			FILTERS	UNIT ELECTRICAL			PHYSICAL DATA				REMARKS
				SUPPLY AIR (CFM)	ESP (IN WC)	MOTOR HP	BHP	RPM	INPUT (MBH)	OUTPUT (MBH)	STAGES		MCA	MOP	VOLTS / PH	LENGTH	WIDTH	HEIGHT	WEIGHT (LBS)	
95-MAU-01	GREENHECK	DGX-P116-H22-MF	GARAGE 951 & 952	2,700	0.5	1 1/2	0.91	1,366	400	368	MODULATING	ALUMINUM	13.1	20	230V / 1Ø	136"	44"	45"	1,000	1, 2, 3, 4, 5, 6, 7
1. PROVIDE DISCONNECT SWITCH. 2. UNIT TO BE PROVIDED WITH INTEGRAL STARTER. 3. PROVIDE INLET DAMPER. 4. PROVIDE CONTROLS ON ACCESSIBLE SIDE OF UNIT. 5. MOUNT UNIT ON 24" TALL CONTRACTOR FABRICATED PAINTED STEEL SUPPORT STAND. 6. PROVIDE V-BANK FILTER SECTION 7. PROVIDE 24"ACCESS SECTION AS REQUIRED TO PROVIDE SINGLE SIDED SERVICE ACCESS.																				

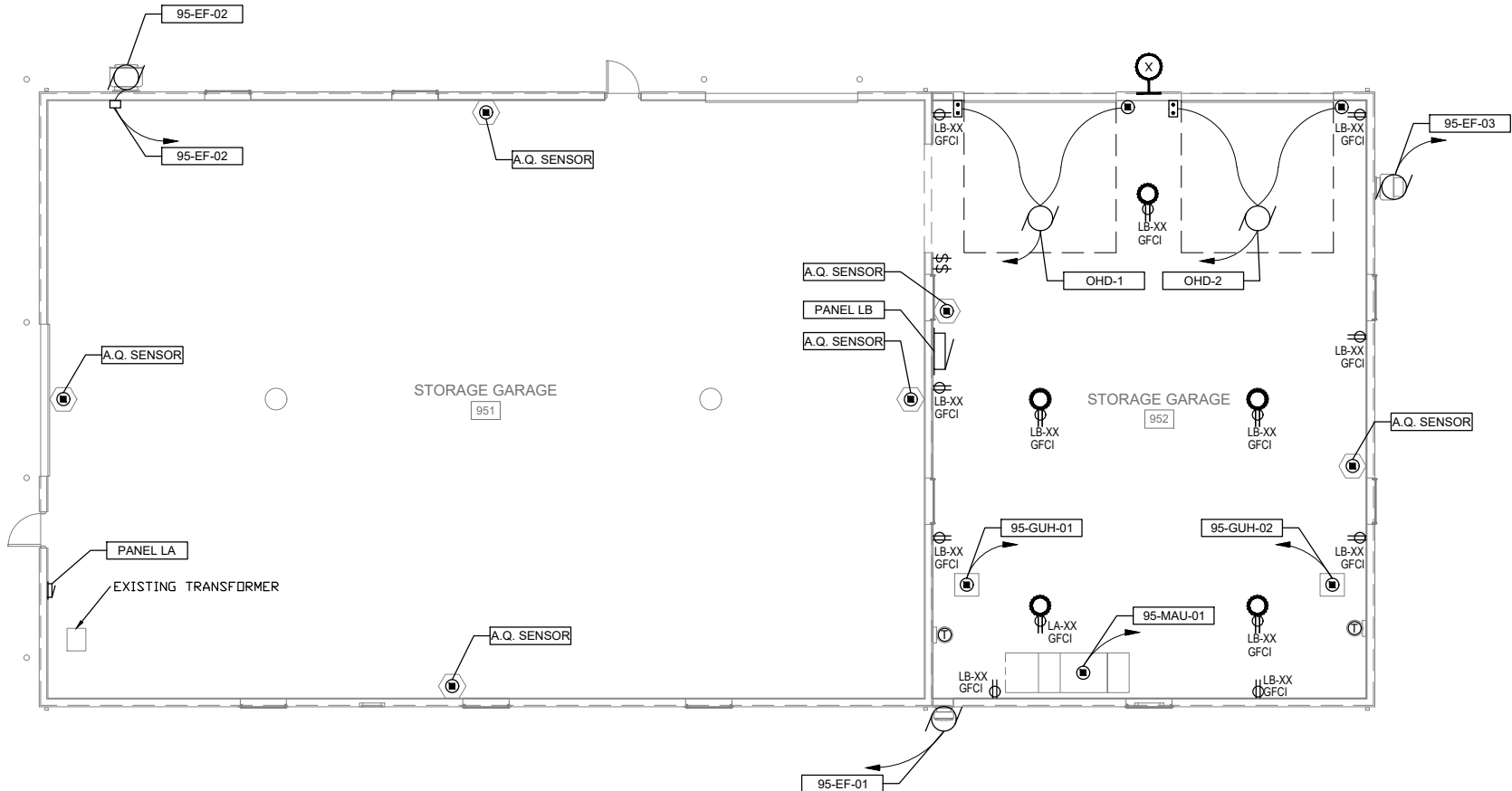
FANS																
MARK	MANUFACTURER	MODEL	SERVICE	LOCATION	CONSTRUCTION			AIR			ELECTRICAL			WEIGHT (LBS)	SONES	REMARKS
					TYPE	FAN MATERIAL	DRIVE	AIRFLOW (CFM)	ESP (IN WC)	RPM	HP	BHP	VOLTS / PH			
95-EF-01	GREENHECK	CUE-090-VG	GARAGE 951 & 952	EXTERIOR WALL	SIDEWALL	ALUMINUM	DIRECT	375	0.25	1,308	1/10	0.05	115V / 1Ø	30	5.6	1, 2, 3, 4
95-EF-02	GREENHECK	CUE-180-B	GARAGE 951	EXTERIOR WALL	SIDEWALL	ALUMINUM	DIRECT	3,400	0.25	1,140	1	0.91	230V / 1Ø	120	15.8	1, 2, 3
95-EF-03	GREENHECK	CUE-140-VG	GARAGE 952	EXTERIOR WALL	SIDEWALL	ALUMINUM	DIRECT	1,700	0.25	1,102	1/2	0.25	115V / 1Ø	90	10.4	1, 2, 3, 4
1. PROVIDE GRAVITY BACKDRAFT DAMPER. 2. PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT SWITCH. 3. PROVIDE KYNAR FINISH. COLOR SELECTION BY ARCHITECT. 4. PROVIDE VARI-GREEN EC MOTOR WITH DIAL SPEED CONTROL MOUNTED ON MOTOR FOR BALANCNG PURPOSES.																

LOUVERS													
MARK	MANUFACTURER	MODEL	SERVICE	CFM	CONSTRUCTION		SIZE			MAX FREE AREA VELOCITY (FPM)	MAX PRESSURE DROP (IN WC)	FINISH	REMARKS
					TYPE	MATERIAL	WIDTH	HEIGHT	DEPTH				
95-L-01	GREENHECK	ESK-402	95-MAU-01	2,700	INTAKE	ALUMINUM	40"	40"	4"	689	0.08	70% KYNAR	1, 2
1. COLOR SELECTION BY ARCHITECT. 2. PROVIDE WITH BIRD SCREEN.													

GAS FIRED UNIT HEATERS											
MARK	MANUFACTURER	MODEL	NATURAL GAS INPUT (MBH)	MINIMUM EFFICIENCY	CFM	MOTOR		ELECTRICAL		OPERATING WEIGHT	REMARKS
						HP	RPM	AMPS	VOLTS / PH		
95-GUH-01	MODINE	HDS SIZE 75	75	82%	1,160	1/12	1,625	3.3	115V / 1Ø	85 LBS	1, 2, 3
95-GUH-02	MODINE	HDS SIZE 75	75	82%	1,160	1/12	1,625	3.3	115V / 1Ø	85 LBS	1, 2, 3
1. PROVIDE DISCONNECT. 2. PROVIDE CONCENTRIC COMBUSTION AIR INTAKE/VENT KIT. 3. MOUNT HEATER SUCH THAT THE BOTTOM OF THE UNIT IS AT A HEIGHT OF 8'-0" AFF.											

DIFFUSERS AND GRILLES										
TYPE	MANUFACTURER	MODEL	TYPE	SERVICE	MATERIAL	BLADES		MOUNTING / FRAME	FINISH	REMARKS
						SPACING	ANGLE			
						A	CONTR. FABRICATED	-		
B	TITUS	132RS	DOUBLE DEFLECTION	SUPPLY	ALUMINUM	3"	-	SIDEWALL	WHITE	
1. 1" x 1" STAINLESS STEEL SCREENING WITH STAINLESS STEEL FRAMED BORDER.										

PLUMBING FIXTURE SCHEDULE							
MARK	MANUFACTURER	MODEL	DESCRIPTION	WSFU			DFU
				HW	CW	TOTAL	VALUE
FD-1	JR SMITH	2142	4"FLOOR DRAIN, DUCO CAST IRON BODY AND FLASHING COLLAR WITH 12" ROUND HEAVY DUTY DUCTILE IRON TRACTOR GRATE AND REMOVEABLE SOLID FREE STANDING SEDIMENT BUCKET.	NA	NA	NA	4.0
HB-1	WOODFORD	24	NON-FREEZE AREA, ANTI-SIPHON VACUUM BREAKER PROTECTED WALL FAUCET, 3/4" MALE HOSE THREAD NOZZLE, BRASS VALVE BODY, ONE PIECE VALVE PLUNGER, HARDENED STAINLESS STEEL OPERATING STEM AND METAL WHEEL HANDLE. PROVIDE WITH POLISHED CHROME FINISH.	NA	4.0	4.0	NA

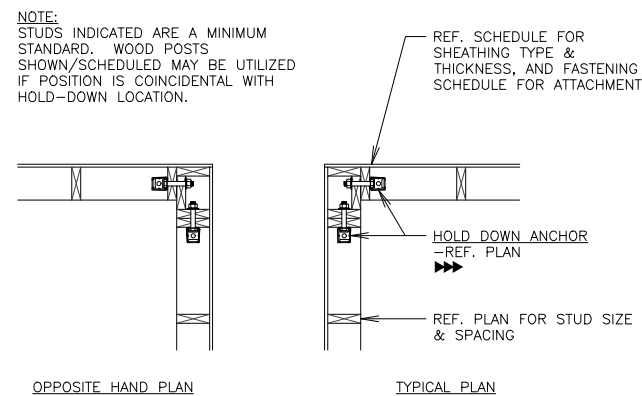
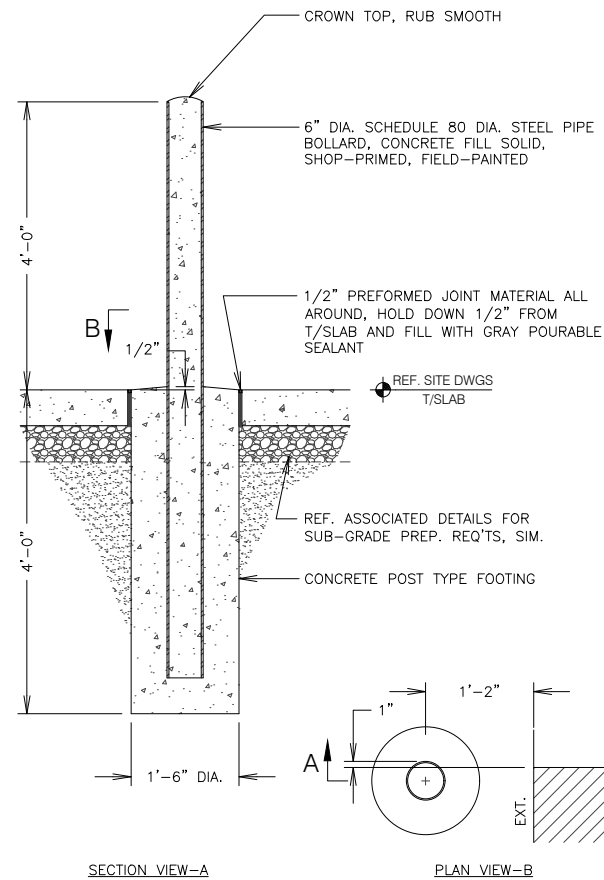


ELECTRICAL PLAN
GROUND LEVEL

THREE PHASE PANEL SCHEDULE									
95-LB									
TYPE: LIGHTING & APPLIANCE		BUS CONSTRUCTION: CU		BUS AMPACITY: 100A					
VOLTAGE: 240 /120 - 3P4W		GROUND BUS: YES		MAIN CIRCUIT BREAKER: 100A					
MOUNT: SURFACE		ISOLATED GROUND BUS: NO		SUB-FEED LUGS: NONE					
SINGLE TUB				INTERRUPTING CAPACITY: 10 KAIC					
1	DESCRIPTION	LOAD	BKR	A	B	C	BKR	LOAD	DESCRIPTION
2	LIGHTS, RM 952	20/1	3.0	***	***	***	20/1	3.00	95-EF-01
3	LIGHTS, EXTERIOR	20/1	***	10.0	***	***	20/1	10.00	95-EF-03
5	SPARE	20/1	***	***	3.3	***	20/1	3.30	95-GUH-01
7	RECPT, RM 952, SOUTH, WEST	20/1	3.3	***	***	***	20/1	3.30	95-GUH-02
9	RECPT, RM 952, EAST	20/1	***	0.0	***	***	30/2		92-MAU-01
11	SPARE	20/1	***	***	0.0	***			
13	OHD-1	20/1	0.0	***	***	***	20/1		SPARE
15	OHD-2	20/1	***	0.0	***	***	20/1		SPARE
17	SPACE			***	***	0.0			SPACE
19	SPACE			0.0	***	***			SPACE
21	SPACE			***	0.0	***			SPACE
23	SPACE			***	***	0.0			SPACE
25	SPACE			0.0	***	***			SPACE
27	SPACE			***	0.0	***			SPACE
29	SPACE			***	***	0.0			SPACE
TOTAL AMPS / PHASE:				6.3	10.0	3.3			
KVA / PHASE:				0.9	1.4	0.5	TOTAL CONNECTED KVA: 2.7		

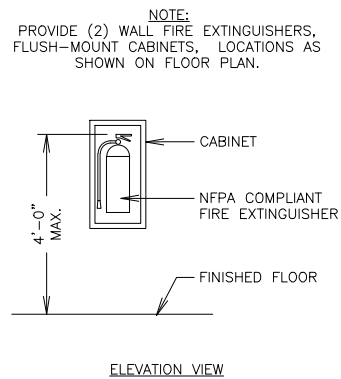
GENERAL NOTES

- DO NOT SCALE DRAWINGS TO DETERMINE EXACT LOCATION OF ELECTRICAL EQUIPMENT AND CONNECTIONS.
- 120V HOMERUN WIRING SHALL BE A MINIMUM OF (2) #12 & #12G IN 3/4"C UNLESS OTHERWISE NOTED. SIZE FOR VOLTAGE DROP.
- SEE ONE-LINE DIAGRAM, PANEL SCHEDULE, AND FIELD DEVICE WIRING SCHEDULE FOR WIRING OF ALL PROCESS AND INSTRUMENTATION.
- PROVIDE RACEWAY FOR ALL HVAC EQUIPMENT. PROVIDE WIRING FOR LINE VOLTAGE AND ABOVE POWER AND CONTROL WIRING.
- INSTALL FIELD INSTRUMENTS PER DETAIL REFERENCED IN FIELD DEVICE WIRING SCHEDULE.
- ALL CONDUIT STUBBED UP THROUGH CONCRETE SHALL BE PVC COATED GRS.
- SEE SCADA OVERVIEW FOR COMMUNICATIONS CABLING REQUIREMENTS.



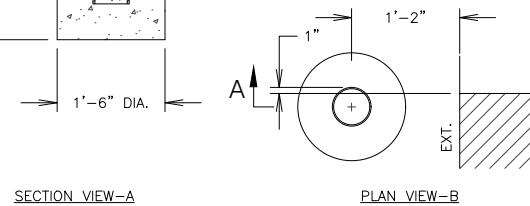
DETAIL 3 NTS

SHEAR WALL ANCHORAGE



DETAIL 8 NTS

NFPA FIRE EXTINGUISHER MOUNTING

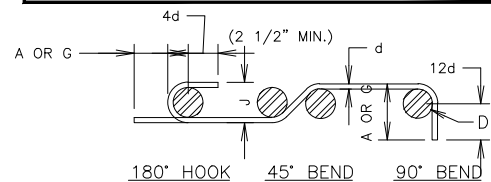


DETAIL 6 NTS

PIPE BOLLARD

BAR SIZE	D		180°		90°
			A OR G	J	A OR G
#3	2 1/4"	6d	5"	3"	6"
#4	3"		6"	4"	8"
#5	3 3/4"		7"	5"	10"
#6	4 1/2"		8"	6"	12"
#7	5 1/4"		10"	7"	14"
#8	6"		11"	8"	6"
#9	9 1/2"		8d	15"	11 3/4"
NOTE: "D" DENOTES FINISHED BAR BEND DIAMETER.					

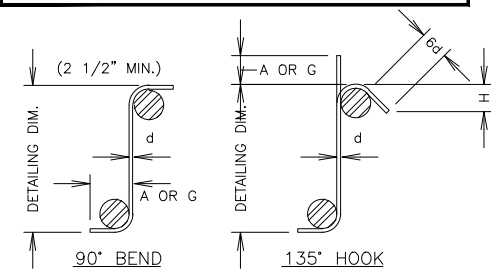
NOTE: "D" DENOTES FINISHED BAR BEND DIAMETER.



BAR SIZE	D	90° HOOK	135° HOOK	
		A OR G	A OR G	H
#3	1 1/2"	4"	4 1/4"	3"
#4	2"	4 1/2"	4 1/2"	3"
#5	2 1/2"	6"	5 1/2"	3 3/4"

NOTE: "D" DENOTES FINISHED BAR BEND DIAMETER.

NOTE: "D" DENOTES FINISHED BAR BEND DIAMETER.



DETAIL 2 NTS

MILD REINFORCING BENDS

CLASS-B TENSION LAP SPLICE SCHEDULE														
CLASS	COL. (N/A)		FOUNDATIONS						SLABS					
			f'c = 4 KSI			f'c = 5 KSI			f'c = 4 KSI			f'c = 5 KSI		
BAR SIZE	f'c = 4 KSI	f'c = 5 KSI	BOT. BARS	TOP BARS	*BARS	BOT. BARS	TOP BARS	*BARS	BOT. BARS	TOP BARS	*BARS	BOT. BARS	TOP BARS	*BARS
#3	16	16	16	18	24	16	16	21	16	18	24	16	16	21
#4	19	17	19	24	32	17	22	28	19	24	32	17	22	28
#5	23	21	23	30	40	21	27	35	23	30	40	21	27	35
#6	28	25	28	36	47	25	33	42	28	36	47	25	33	42
#7	33	29	33	42	55	29	38	50	33	43	57	30	39	51
#8	39	35	39	51	67	35	46	60	44	57	75	39	51	67
#9	50	44	50	64	84	44	58	75	56	72	94	50	65	84
#10	88	79	63	82	107	56	73	96	70	92	120	63	82	107
#11	108	97	77	100	131	69	90	117	86	112	147	77	101	131

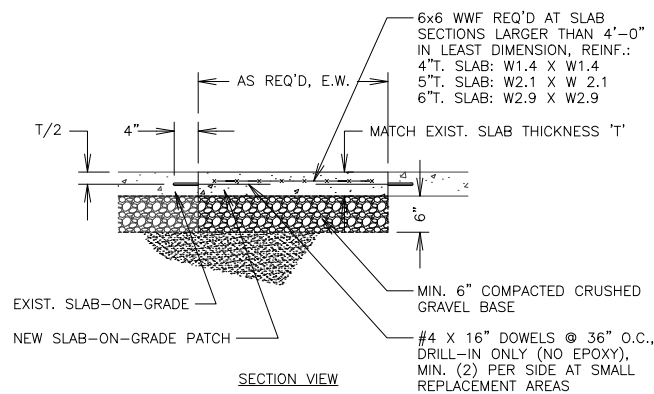
NOTES:

1. * DENOTES EPOXY-COATED REINFORCING, AS APPLICABLE WHERE INDICATED ON DWGS ONLY.

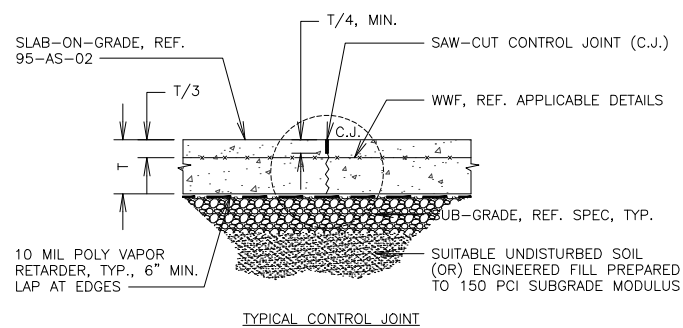
CONCRETE REINFORCING SHALL HAVE THE FOLLOWING
MINIMUM COVER, TYPICAL UNLESS DETAILED
OTHERWISE:

- CONCRETE IN CONTACT AND/OR PLACED AGAINST EARTH (3")
- CONCRETE EXPOSED TO WEATHER: #5 & SMALLER (2")
- CONCRETE WITH INTERIOR EXPOSURE (1 1/2")

DETAIL 5 NTS
REINF. LAP SPLICE & PROTECTIVE COVER

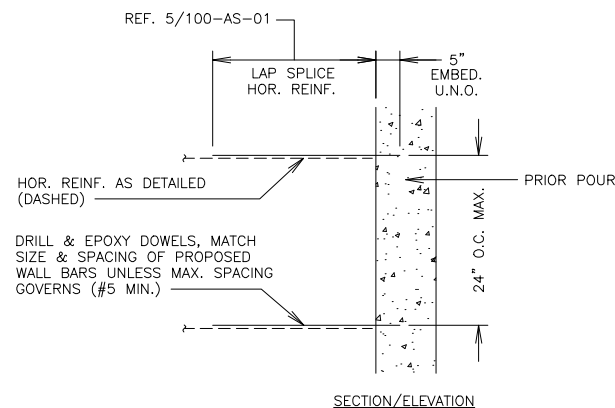


DETAIL 7 NTS
CONCRETE SLAB-ON-GRADE FLOOR PATCH



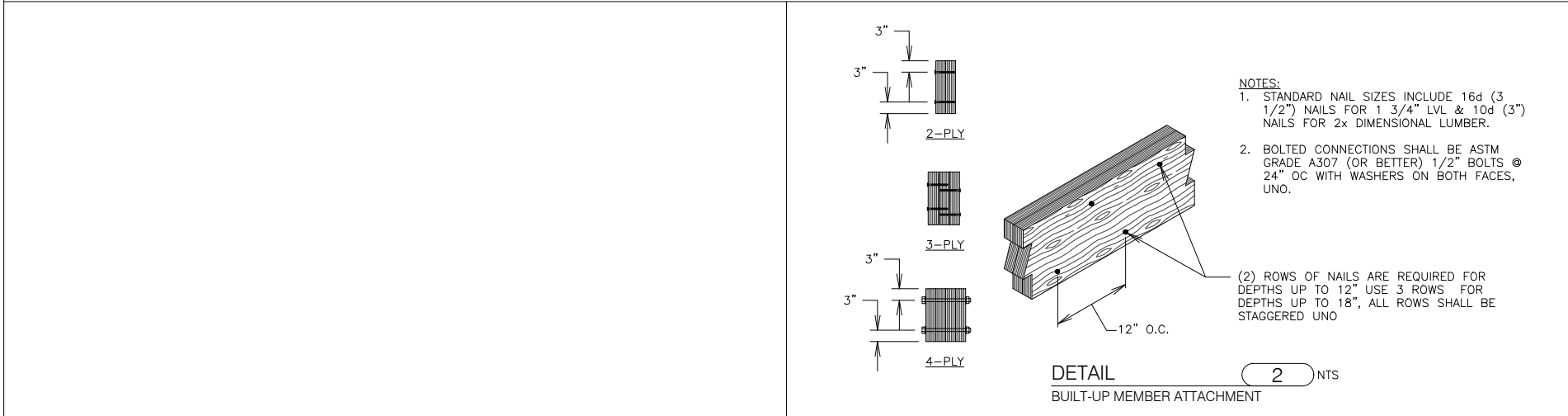
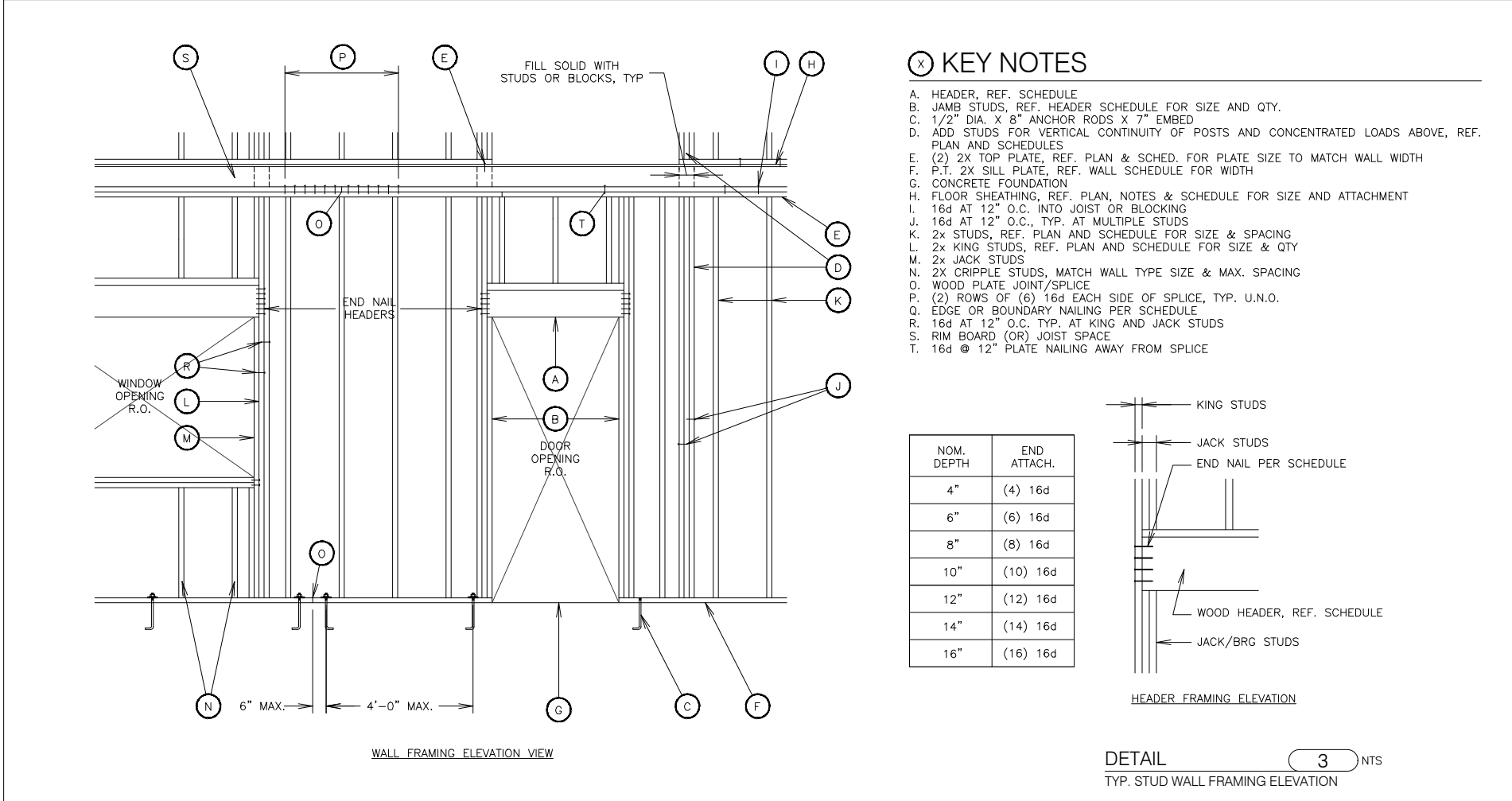
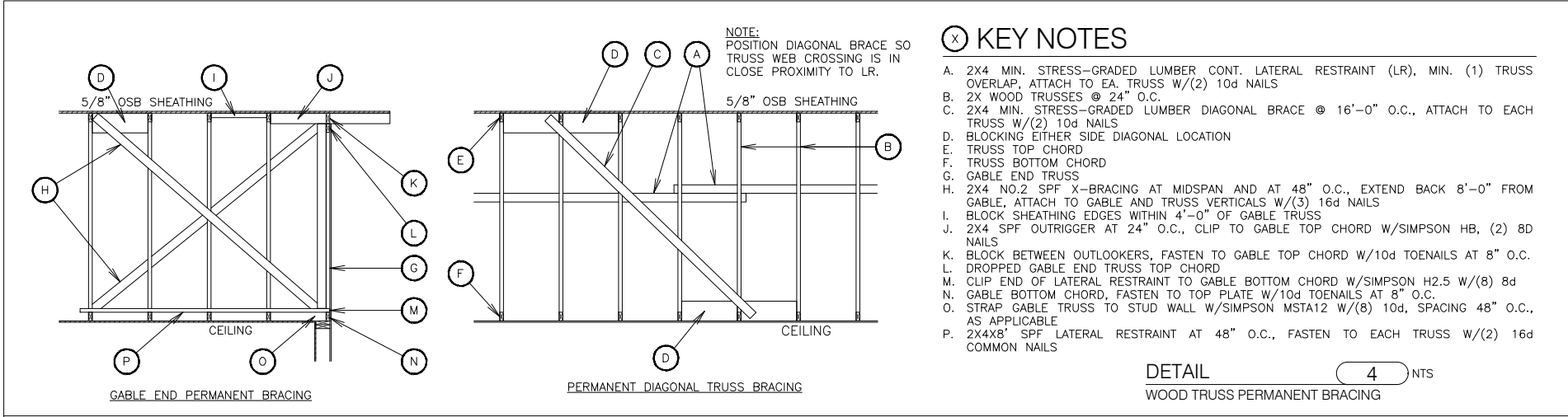
DETAIL 4 NTS

TYPICAL SLAB-ON-GRADE JOINTS



DETAIL 1 NTS

SEQUENCED CONCRETE PLACEMENT



FASTENING SCHEDULE (WOOD)		
CONNECTION	FASTENING (NOTE-1)	LOCATION
JOIST TO SILL OR GIRDER	(3)-8d	TOENAIL
BRIDGING TO JOIST	(2)-8d	TOENAIL EA. END
TO 1"x6" SUBFLOOR OR LESS TO EACH JOIST	(2)-8d	FACE NAIL
WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST	(3)-8d	FACE NAIL
2" SUBFLOOR TO JOIST OR GIRDER	(2)-16d	BLIND & FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING	16d AT 16" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING	(3)-16d	BRACED WALL PANELS
TOP PLATE TO STUD	(2)-16d	END NAIL
STUD TO SOLE PLATE	(4)-8d (OR) (2)-16d	TOENAIL END NAIL
DOUBLE STUDS	16d AT 24" OC	FACE NAIL
DOUBLE TOP PLATES	16d AT 16" OC (8)-16d	TYPICAL FACE NAIL LAP SPLICE
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	(3)-8d	TOENAIL
RIM JOIST TO TOP PLATE	8d AT 6" OC	TOENAIL
TOP PLATES, LAPS AND INTERSECTIONS	(2)-16d	FACE NAIL
CONTINUOUS HEADER, TWO PIECES	16d AT 16" OC	EA. EDGE
CEILING JOISTS TO PLATE	(3)-8d	TOENAIL
CONTINUOUS HEADER TO STUD	(4)-8d	TOENAIL
CEILING JOISTS, LAPS OVER PARTITIONS	(3)-16d	FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	(3)-16d	FACE NAIL
RAFTER TO PLATE	(3)-8d	TOENAIL
1" BRACE TO EACH STUD AND PLATE	(2)-8d	FACE NAIL
1"x8" SHEATHING OR LESS TO EACH BEARING	(2)-8d	FACE NAIL
WIDER THAN 1"x8" SHEATHING TO EACH BEARING	(3)-8d	FACE NAIL
BUILT-UP CORNER STUDS	16d AT 24" OC	-
BUILT-UP GIRDER AND BEAMS	20d AT 32" OC T&B, STAGGERED (2)-20d AT ENDS & SPLICES	FACE NAIL
COLLAR TIE TO RAFTER	(3)-10d	FACE NAIL
JACK RAFTER TO HIP	(3)-10d (2)-16d	TOENAIL FACE NAIL
ROOF RAFTER TO 2X RIDGE BEAM	(2)-16d (2)-16d	TOENAIL FACE NAIL
JOIST TO BAND JOIST	(3)-16d	FACE NAIL
LEDGER STRIP	(3)-16d	FACE NAIL
WOOD STRUCTURAL PANELS AND PARTICLE BOARD, (NOTE-2) SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING) 1/2" AND LESS 19/32"-3/4" 1/8"-1" 1 1/8"-1 1/4"	6d (NOTE-3) 8D (NOTE-4) OR 6D (NOTE-5) 8D (NOTE-3) 10D (NOTE-4) OR 8D (NOTE-5)	-
COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING) 3/4" AND LESS 1/8"-1" 1 1/8"-1 1/4"	6d (NOTE-5) 8D (NOTE-5) 10D (NOTE-4) OR 8D (NOTE-5)	-
PANEL SIDING (TO FRAMING), (NOTE-2) 1/2" OR LESS 5/8"	6d (NOTE 6) 8D (NOTE 6)	-
OSB SHEATHING, (NOTE-7) 1/2" 25/32"	No. 11 GAGE (NOTE-8), 6d (NOTE-4) No. 16 GAGE (NOTE-9) No. 11 GAGE (NOTE-8), 8d (NOTE-4) No. 16 GAGE (NOTE-9)	-
INTERIOR PANELING 1/4" 3/8"	4d (NOTE-10) 6D (NOTE-11)	-

- NOTES:
- COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE NOTED.
 - NAILS SPACED AT 6" O.C. AT EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS EXCEPT 6" AT ALL SUPPORTS WHERE SPANS ARE 48" OR MORE FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLE BOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTIONS 2315.3.3 AND 2315.4. NAILS FOR WALL SHEATHING MAY BE COMMON, BOX OR CASING.
 - COMMON OR DEFORMED SHANK.
 - COMMON.
 - DEFORMED SHANK.
 - CORROSION-RESISTANT SIDING OR CASING NAILS CONFORMING TO THE REQUIREMENTS OF SECTION 2304.3.
 - FASTENERS SPACED 3" O.C. AT EXTERIOR EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS.
 - CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/32" SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2304.3.
 - CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING CONFORMING TO THE REQUIREMENTS OF 2304.3.
 - PANEL SUPPORTS AT 16" [20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED]. CASING OR FINISH NAILS SPACED 6" O.C. ON PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS.
 - PANEL SUPPORT AT 24" O.C. CASING OR FINISH NAILS SPACED 6" O.C. ON PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS.

DETAIL 1 NTS

WOOD FASTENING SCHEDULE

Memo

To: Jen Keller, Village Administrator
From: Brian W. Kober, P. E., Director of Public Works/Village Engineer
Subject: Eagle Drive & STH 60 Intersection – Roundabout Project - Update
Date: May 26, 2023
CC: Board of Public Works; Village Board

Attached are the 90% proposed plans for the Roundabout Design of Eagle Drive and STH 60 intersection. The team is working on the real estate acquisition.

If you have any questions, please let me know.

Brian W. Kober, P.E.

PROJECT ID: 2310-13-71
WITH: 2310-13-70

COUNTY: WASHINGTON

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS =



DESIGN DESIGNATION

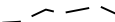
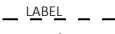
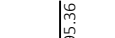
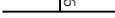
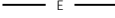
A.A.D.T.	2024	=	8,260
A.A.D.T.	2044	=	9,350
D.H.V.		=	
D.D.		=	
T.		=	17.3%
DESIGN SPEED		=	40 MPH
ESALS		=	2,300,300

CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE

GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
<u>UTILITIES</u>	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

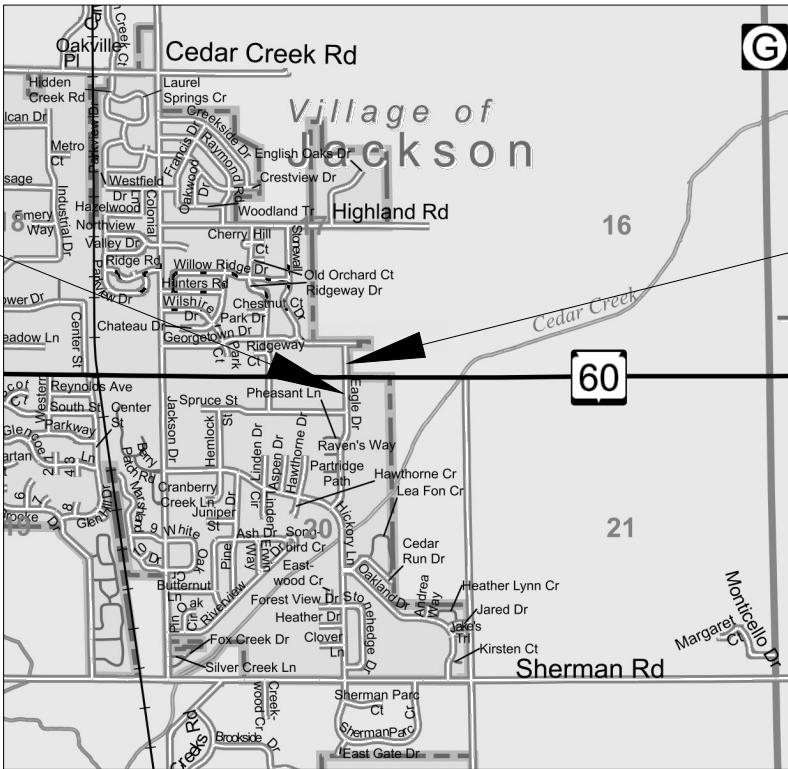
V JACKSON, EAGLE DR

INTERSECTION WITH STH 60

CONST/ROUNDAABOUT
WASHINGTON COUNTY

STATE PROJECT NUMBER
2310-13-71

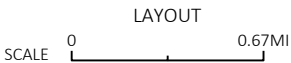
R-20-E



BEGIN PROJECT
STA 400+00.00

END PROJECT
STA 403+89.48

T-10-N



TOTAL NET LENGTH OF CENTERLINE = 0.074 MI

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCOS), WASHINGTON COUNTY, NAD 83 (2011), IN U.S. SURVEY FEET.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2310-13-71		

90% PLAN
JUNE 1, 2023

ACCEPTED FOR
VILLAGE OF JACKSON

Date _____
(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY



DATE: _____
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	AYRES ASSOCIATES / DAAR ENGINEERING
Surveyor	DAAR ENGINEERING, INC.
Designer	ANDREW PINTER
Project Manager	REGIONAL EXAMINER
Regional Examiner	JANET CANNON
Regional Supervisor	

APPROVED FOR THE DEPARTMENT
DATE: _____
(Signature)

E

GENERAL NOTES

MISCELLANEOUS

- 1. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE IN ACCORDANCE WITH THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
- 2. CURVE DATA SHOWN ON THE PLAN IS "ARC DEFINITION".
- 3. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
- 4. DIMENSIONS GIVEN FOR EXISTING FEATURES SHALL BE CONSIDERED AS APPROXIMATE AND MEASURED IN THE FIELD FOR MATCHING PURPOSES.
- 5. THE LOCATION OF EXISTING OR PROPOSED UTILITIES, AS NOTED IN THE PLANS, ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS AND SERVICES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPALITY OR PUBLIC AGENCY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
- 6. A SAWED JOINT IS REQUIRED WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
- 7. CONTRACTOR MUST CONTACT THE PROJECT ENGINEER AND THE WASHINGTON COUTNTY SURVEYOR SCOTT SCHMIDT, AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

TRAFFIC CONTROL

- 1. TRAFFIC CONTROL WHEN TEMPORARY PAVEMENT MARKING REMOVABLE TAPE IS REQUIRED, IT SHALL BE CUT THROUGH ITS FULL WIDTH AND THICKNESS AT 25-FOOT INTERVALS TO CONTROL RAVELING.
- 2. ALL TRAFFIC CONTROL SIGNS SHALL BE 48"X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
- 3. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
- 4. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATIONS AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
- 5. ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THEIR RESPECTIVE ITEMS. NO "WORKING" LIGHTS SHALL BE VISIBLE ON A COVERED OR LAID DOWN SIGN.
- 6. ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.
- 7. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.
- 8. CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

EROSION CONTROL

- 1. ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY THAT ARE NOT THE RESULT OF CONTRACT ITEMS SHALL BE RESTORED, SEEDED, FERTILIZED, AND MULCHED AT THE CONTRACTOR'S EXPENSE.
- 2. WHEN PERFORMING ROADWAY CLEANING OPERATIONS, THE CONTRACTOR SHALL USE EQUIPMENT HAVING VACUUM OR WATER SPRAY MECHANISMS TO ELIMINATE THE DISPERSION OF DUST. IF VACUUM EQUIPMENT IS EMPLOYED, IT SHALL HAVE SUITABLE SELF-PARTICULATE COLLECTORS TO PREVENT DISCHARGE FROM THE COLLECTION BIN TO THE ATMOSPHERE.

HMA PAVING

- 1. HMA PAVEMENT QUANTITIES WERE CALCULATED USING 118 LBS/SY-IN.

PAVEMENT DESIGN

LOCATION	STATIONING	TOTAL PAVEMENT LAYER THICKNESS	LAYER	LIFTS	HMA PAVEMENT TYPE
EAGLE DR.	STA: 400+00 - STA: 403+89	3.5-INCHES	UPPER	2	4 MT 58-28 H
		3-INCHES	LOWER	1	3 MT 58-28 S
STH 60	STA: 301+04 - STA: 306+96	3.5-INCHES	UPPER	2	4 MT 58-28 H
		3-INCHES	LOWER	1	3 MT 58-28 S

STANDARD ABBREVIATIONS

AGG	AGGREGATE	ESALS	EQUIVALENT SINGLE AXLE LOADS	PERM	PERMANENT	SDD	STANDARD DETAIL DRAWINGS
AADT	ANNUAL AVERAGE DAILY TRAFFIC	ESTR	EXISTING SIGN TO REMAIN	PLE	PERMANENT LIMITED EASEMENT	STH	STATE TRUNK HIGHWAYS
ASPH	ASPHALT DRIVEWAY	EXC	EXCAVATION	PT	POINT	STA	STATION
AVG	AVERAGE	EBS	EXCAVATION BELOW SUBGRADE	PCC	PORTLAND CEMENT CONCRETE	SS	STORM SEWER
ADT	AVERAGE DAILY TRAFFIC	EXIST	EXISTING	PROJ	PROJECT	STR	STRUCTURE OR STRUCTURAL
BM	BENCH MARK	FT	FOOT	PL	PROPERTY LINE	TEL	TELEPHONE
CB	CATCH BASIN	GRVL	GRAVEL DRIVEWAY	R/L	REFERENCE LINE	TEMP	TEMPORARY
C/L	CENTERLINE	HORIZ	HORIZONTAL	RT	RIGHT	TLE	TEMPORARY LIMITED EASEMENT
CONC	CONCRETE	INL	INLET	R/W	RIGHT-OF-WAY	T	TON
CO	COUNTY	INV	INVERT	RD	ROAD	TYP	TYPICAL
CTH	COUNTY TRUNK HIGHWAY	JCT	JUNCTION	RDWY	ROADWAY	UG	UNDERGROUND
CWT	HUNDREDWEIGHT	LT	LEFT	SEC	SECTION	USH	UNITED STATES HIGHWAY
CY	CUBIC YARD	LF	LINEAR FOOT	SHLDR	SHOULDER	W	WATER
DHV	DESIGN HOUR VOLUME	LS	LUMP SUM	SW	SIDEWALK	WM	WATER MAIN
DIA	DIAMETER	MH	MANHOLE	S	SOUTH	WV	WATER VALVE
E	EAST	ML	MATCH LINE	SPECS	SPECIFICATIONS	W	WEST
X	EAST GRID COORDINATE	N	NORTH	SF	SQUARE FEET	YD	YARD
ELEC	ELECTRIC	NO	NUMBER	SY	SQUARE YARD	Y	NORTH GRID COORDINATE
ELEV	ELEVATION	PAVT	PAVEMENT	STD	STANDARD		

CONTACTS

AT&T WISCONSIN - COMMUNICATION LINE

DEAN HERRO
435 S 95TH STREET
MILWAUKEE, WI 53214-1226
(262) 226-9639
dh2572@att.com

CHARTER COMMUNICATIONS - COMMUNICATION LINE

ADAM OLSON
1515 W Washington St
West Bend, WI 53095
(920) 263-0065 CELL
(920) 349-5055 OFFICE
adam.olson@charter.com

MIDWEST FIBER NETWORKS, LLC COMMUNICATION LINE

SHEILIA BONNIWELL
6070 N FLINT RD
GLENDALE, WI 53209
(414) 672-5612
sbonniwell@miwestfibernetworks.com

PAETEC COMMUNICATIONS, LLC - COMMUNICATION LINE

LORI KETTER
314 N DANZ AVE
GREEN BAY, WI 54302-3526
(920) 410-6902
lori.ketter@windstream.com

VILLAGE OF JACKSON DEPT. OF PUBLIC WORKS - SANITARY SEWER

BRIAN KOBER
N168 W20733 Main St
P.O. Box 147
Jackson, WI 53037
(262) 677-9001
brian.kober@villageofjackson.com

VILLAGE OF JACKSON DEPT. OF PUBLIC WORKS - SEWER

BRIAN KOBER
N168 W20733 Main St
P.O. Box 147
Jackson, WI 53037
(262) 677-9001
brian.kober@villageofjackson.com

WE ENERGIES - ELECTRICITY

WE ENERGIES UTILITY COORDINATOR
500 S 116TH STREET
WEST ALLIS,WI 53214
(414) 221-2738
we-utility-relocations@we-energies.com

WE ENERGIES - GAS/PETROLEUM

WE ENERGIES UTILITY COORDINATOR
500 S 116TH STREET
WEST ALLIS,WI 53214
(414) 221-2738
we-utility-relocations@we-energies.com

ORDER OF SECTION 2 SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- INTERSECTION DETAILS
- PLAN DETAILS
- EROSION CONTROL
- PAVEMENT MARKING
- TRAFFIC CONTROL
- ALIGNMENT DETAILS
- CROSS SECTIONS

WASHINGTON COUNTY HIGHWAY ENGINEER/SURVEYOR

SCOTT M. SCHMIDT
900 LANG STREET
WEST BEND, WI 53090
(262) 335-6881
scott.schmidt@co.washington.wi.us

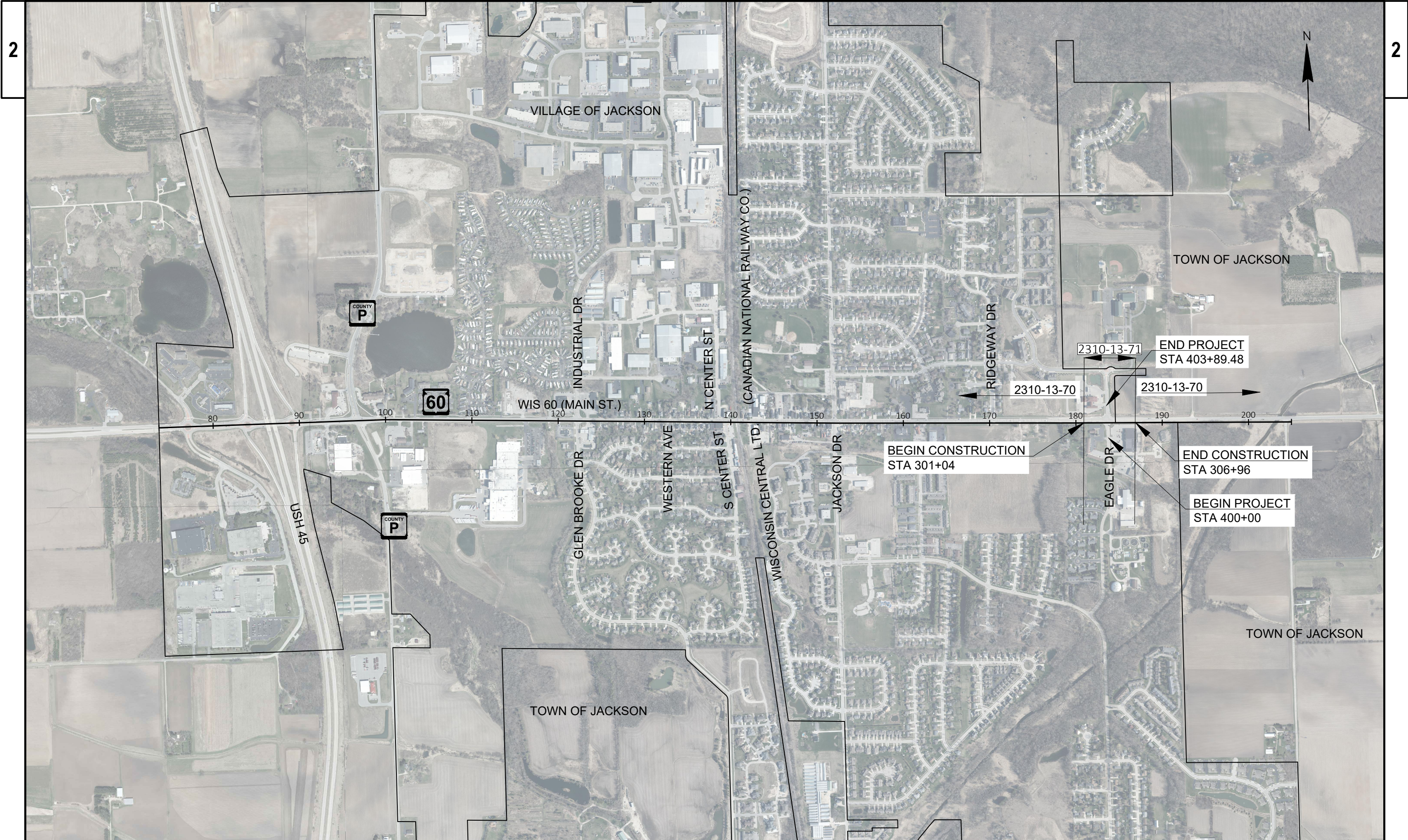
WISDOT - STREET LIGHTING

ERIC PEREA
141 NW BARSTOW ST.
WAUKESHA, WI 53188
(262) 574-5422
eric.perea@dot.wi.gov

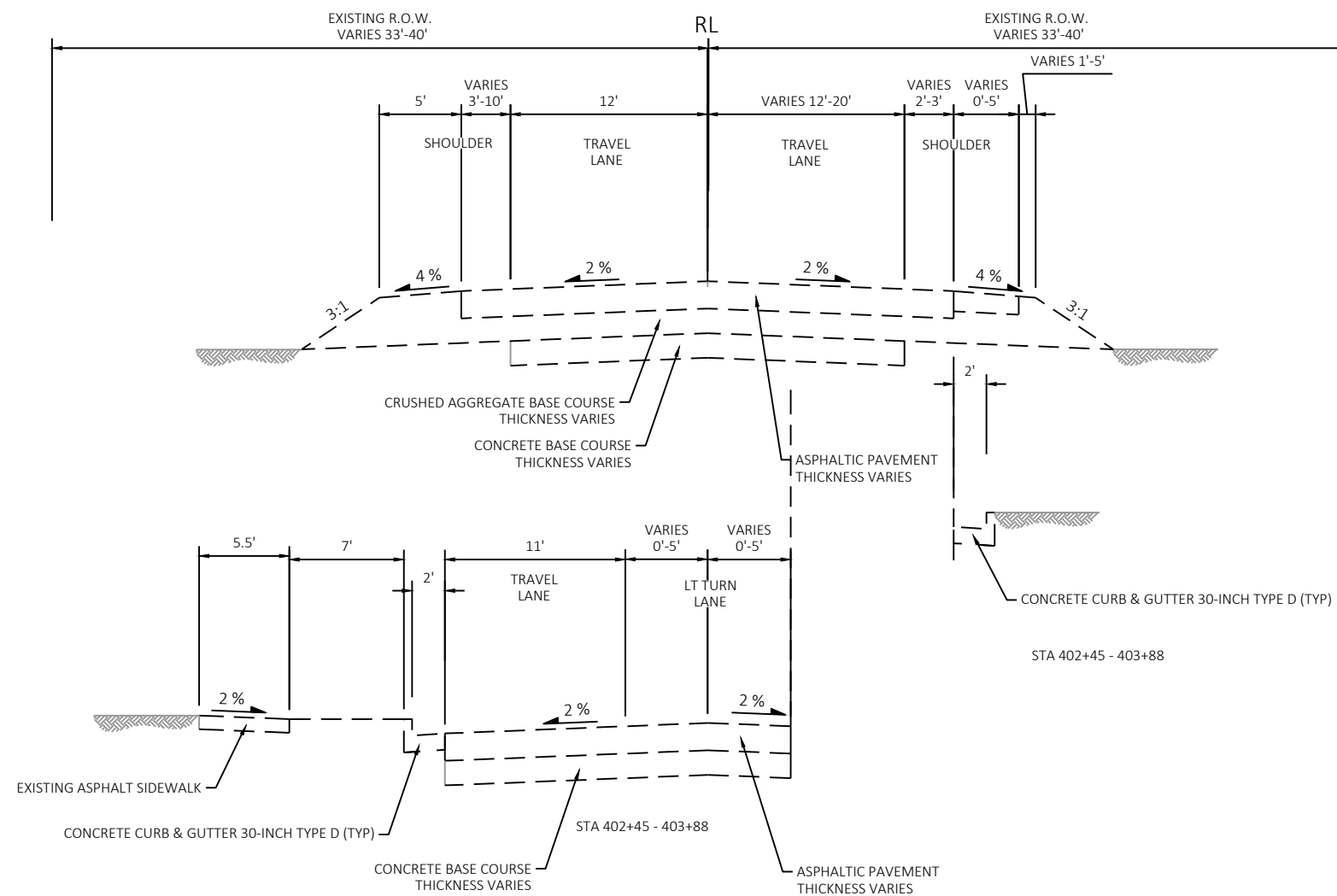
WDNR

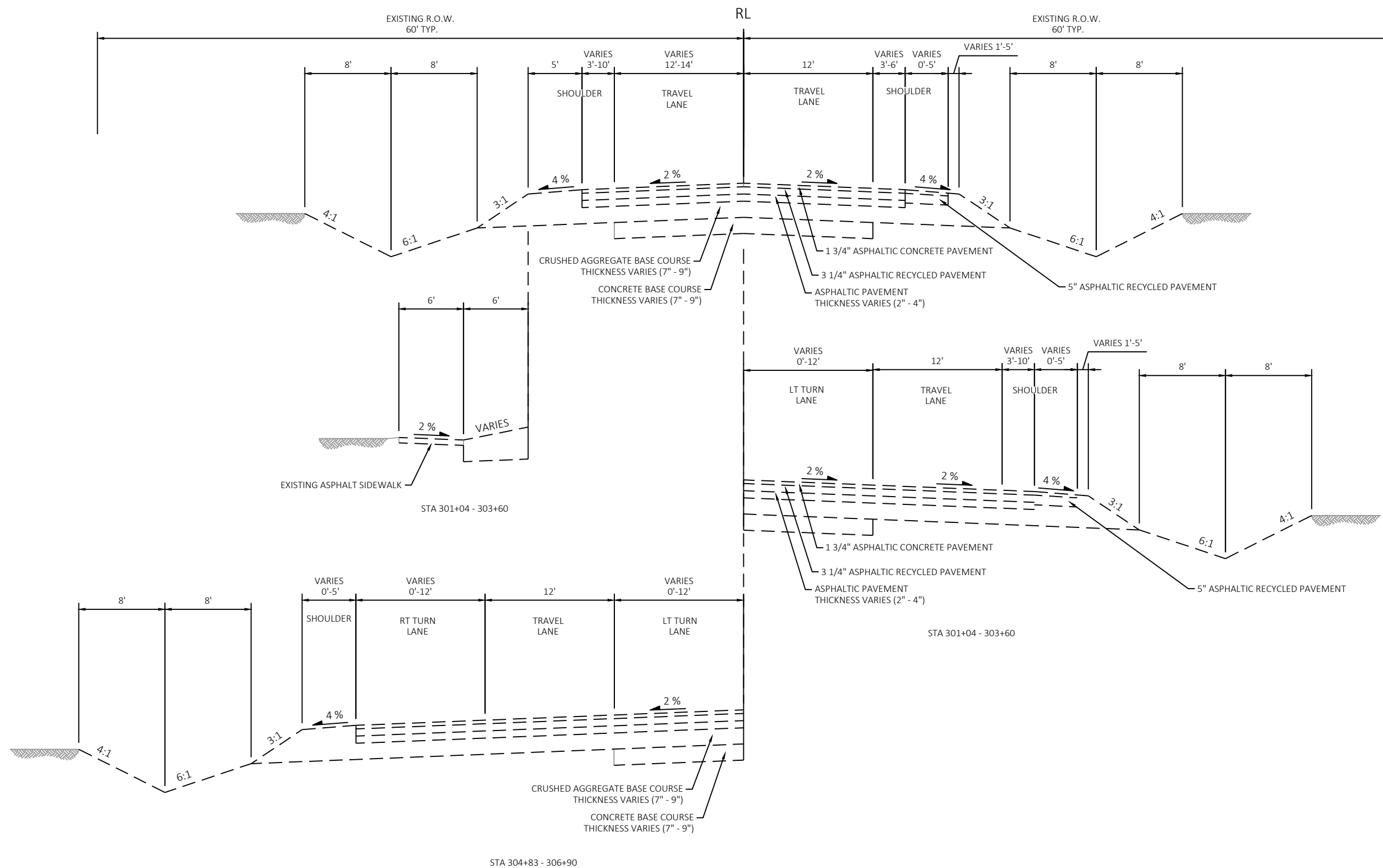
KRISTINA BETZOLD
2300 N. DR. MARTIN LUTHER KING DR.
MILWAUKEE, WI 53212
(414) 507-4946
kristina.betzold@wisconsin.gov

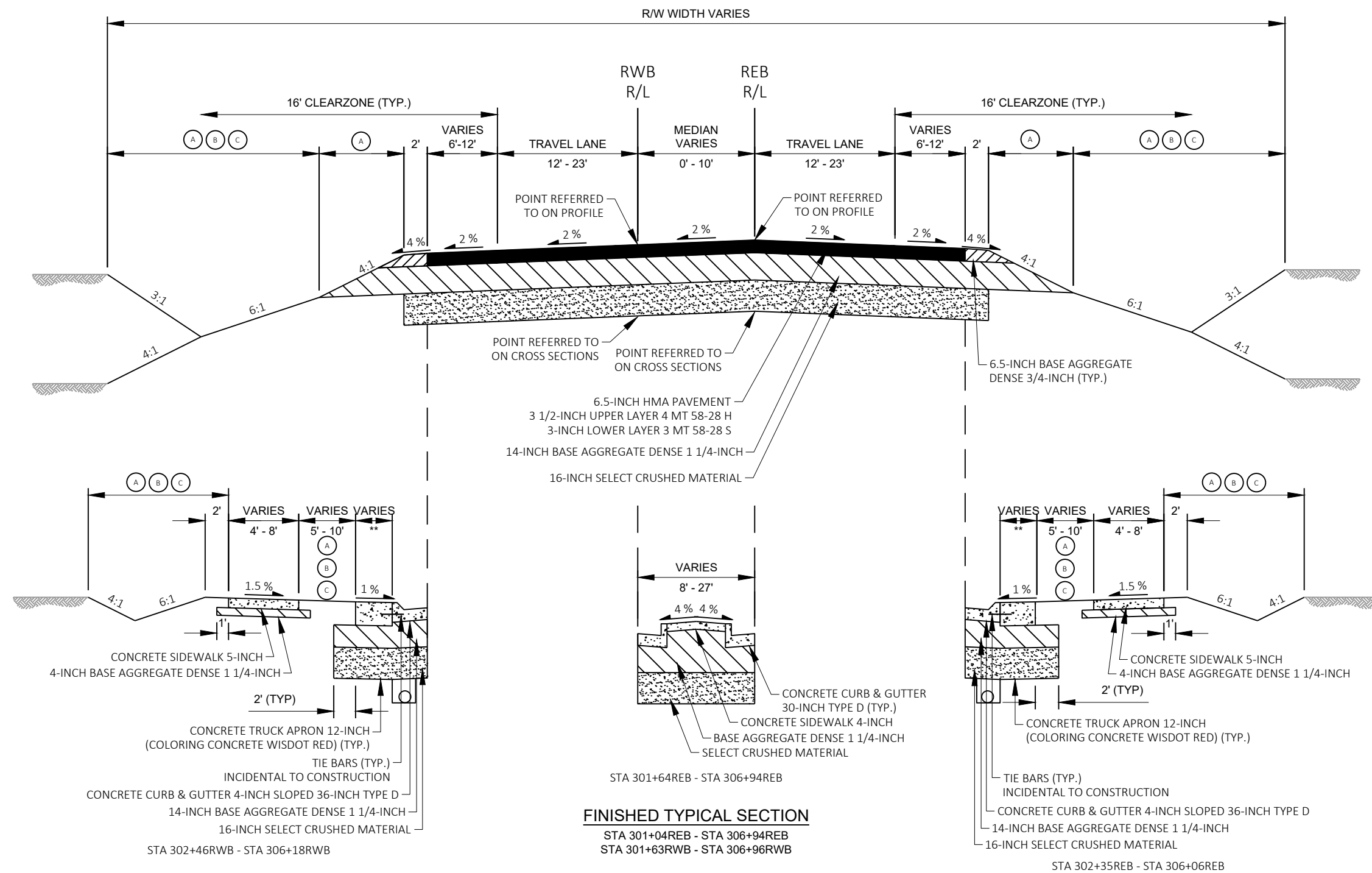




PROJECT NO: 2310-13-71	HWY: EAGLE DRIVE	COUNTY: WASHINGTON	PROJECT OVERVIEW	SHEET	E
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**LEGEND**

(A)	SEED MIXTURE #20 WITH TEMPORARY SEEDING & FERTILIZER TYPE B. SEED MIXTURE #40 & FERTILIZER TYPE B FOR CENTRAL ISLAND		CONCRETE PAVEMENT
(B)	6" TOPSOIL		HMA PAVEMENT
(C)	MULCHING OR EROSION MAT (SEE EROSION CONTROL PLANS FOR EROSION MAT TYPE)		BASE AGGREGATE DENSE 3/4-INCH
			BASE AGGREGATE DENSE 1 1/4-INCH

NOTES

** SEE PLAN DETAILS AND ALIGNMENT DETAILS FOR OVERTACKING PAD LOCATIONS

PROJECT NO: 2310-13-71

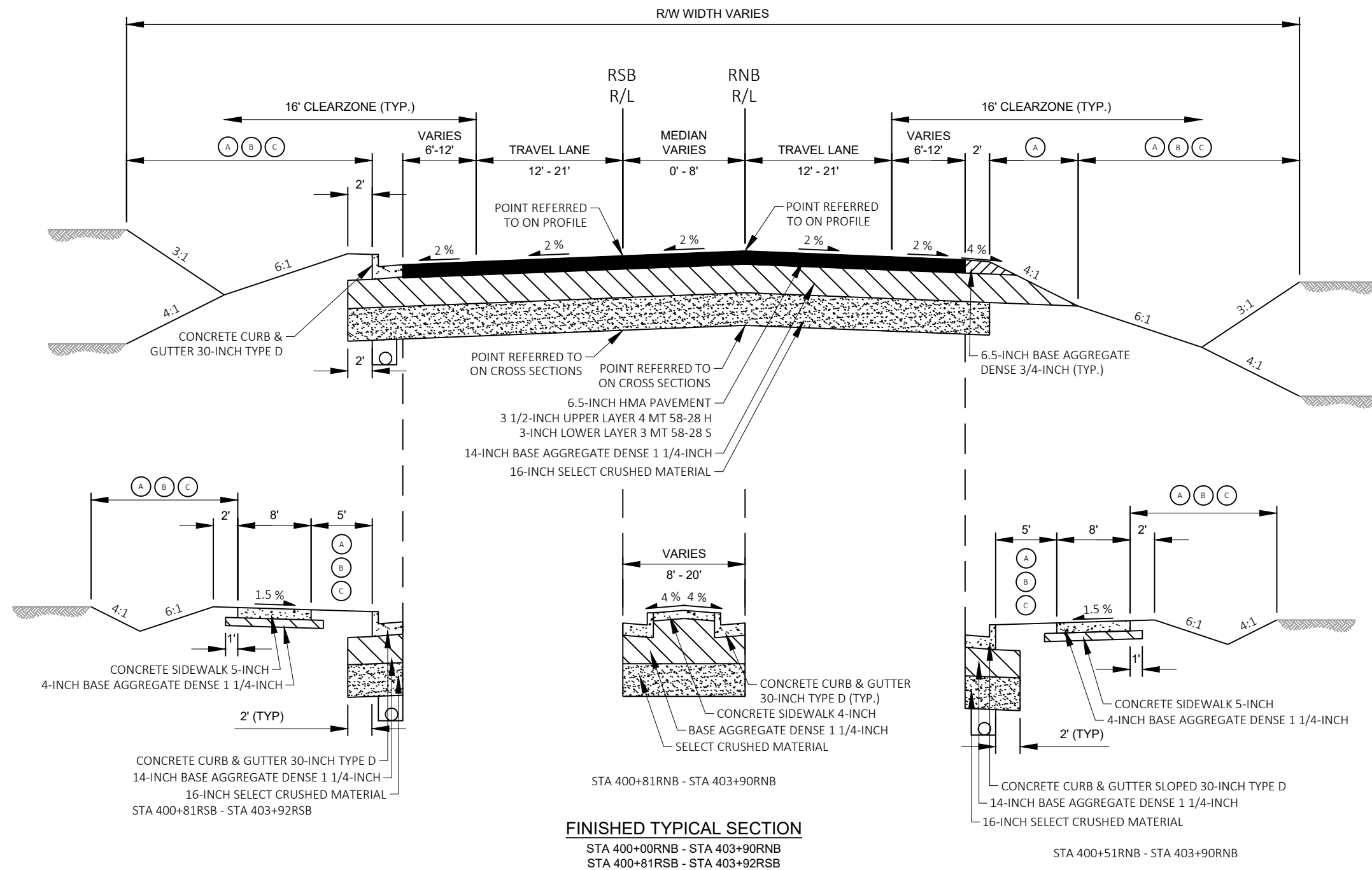
HWY: EAGLE DRIVE

COUNTY: WASHINGTON

FINISHED TYPICAL SECTIONS

SHEET

E

**LEGEND**

- | | | | |
|-----|--|--|---------------------------------|
| (A) | SEED MIXTURE #20 WITH TEMPORARY SEEDING & FERTILIZER TYPE B. SEED MIXTURE #40 & FERTILIZER TYPE B FOR CENTRAL ISLAND | | CONCRETE PAVEMENT |
| (B) | 6" TOPSOIL | | HMA PAVEMENT |
| (C) | MULCHING OR EROSION MAT (SEE EROSION CONTROL PLANS FOR EROSION MAT TYPE) | | BASE AGGREGATE DENSE 3/4-INCH |
| | | | BASE AGGREGATE DENSE 1 1/4-INCH |

PROJECT NO: 2310-13-71

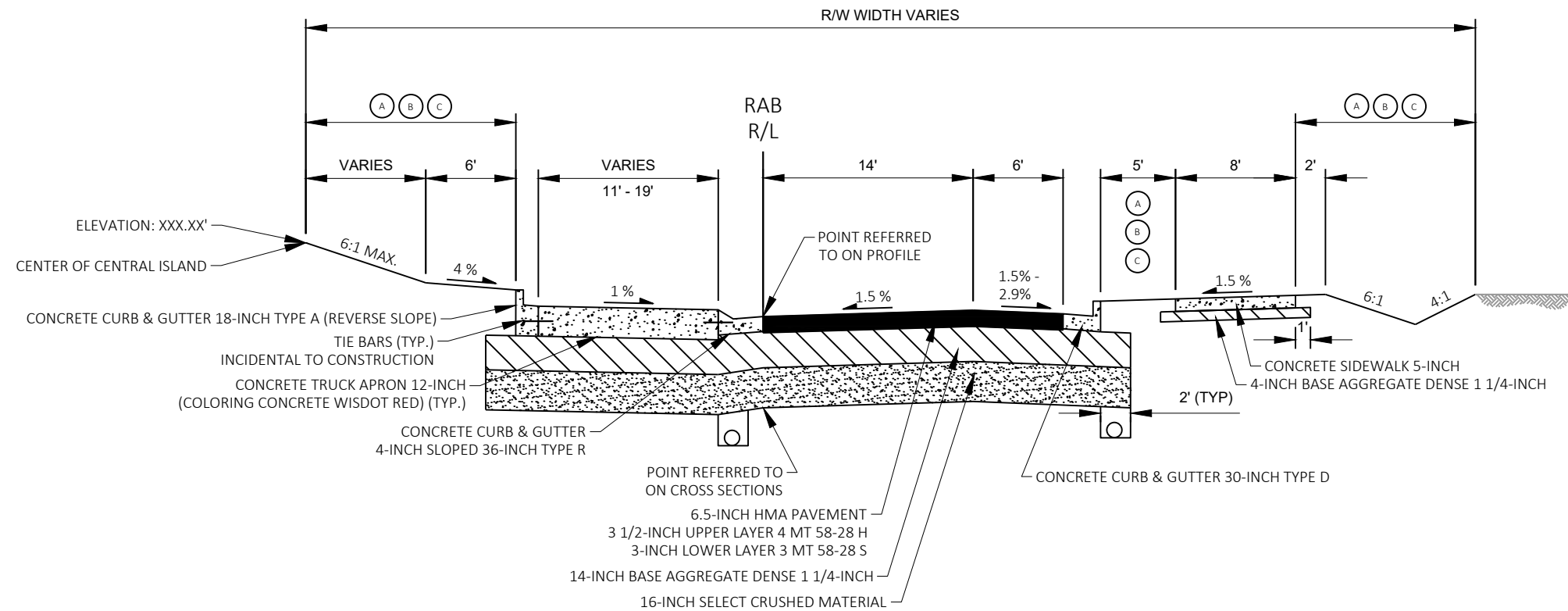
HWY: EAGLE DRIVE

COUNTY: WASHINGTON

FINISHED TYPICAL SECTIONS

SHEET

E



FINISHED TYPICAL SECTION ROUNDABOUT
STA 10+00RAB - STA 12+86RAB

LEGEND

- | | | | |
|-----|--|-----------|---------------------------------|
| (A) | SEED MIXTURE #20 WITH TEMPORARY SEEDING & FERTILIZER TYPE B. SEED MIXTURE #40 & FERTILIZER TYPE B FOR CENTRAL ISLAND | (Pattern) | CONCRETE PAVEMENT |
| (B) | 6" TOPSOIL | (Pattern) | HMA PAVEMENT |
| (C) | MULCHING OR EROSION MAT (SEE EROSION CONTROL PLANS FOR EROSION MAT TYPE) | (Pattern) | BASE AGGREGATE DENSE 3/4-INCH |
| | | (Pattern) | BASE AGGREGATE DENSE 1 1/4-INCH |

PROJECT NO: 2310-13-71

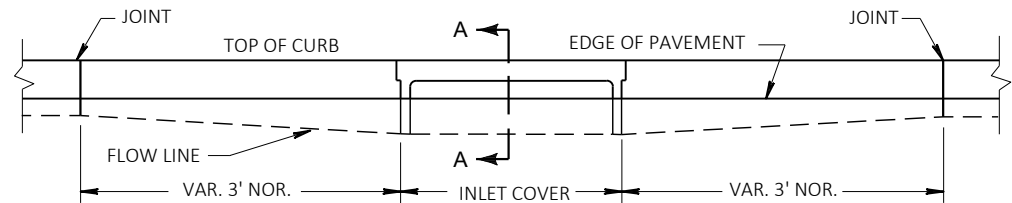
HWY: EAGLE DRIVE

COUNTY: WASHINGTON

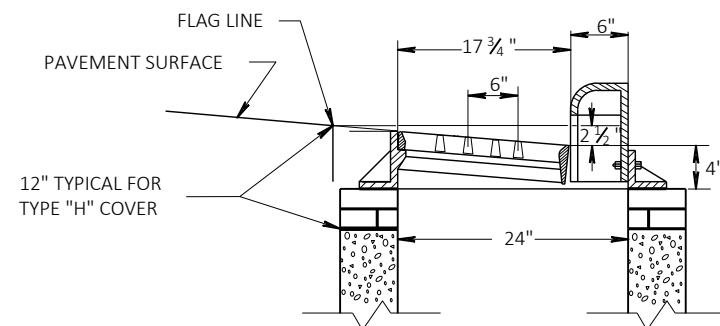
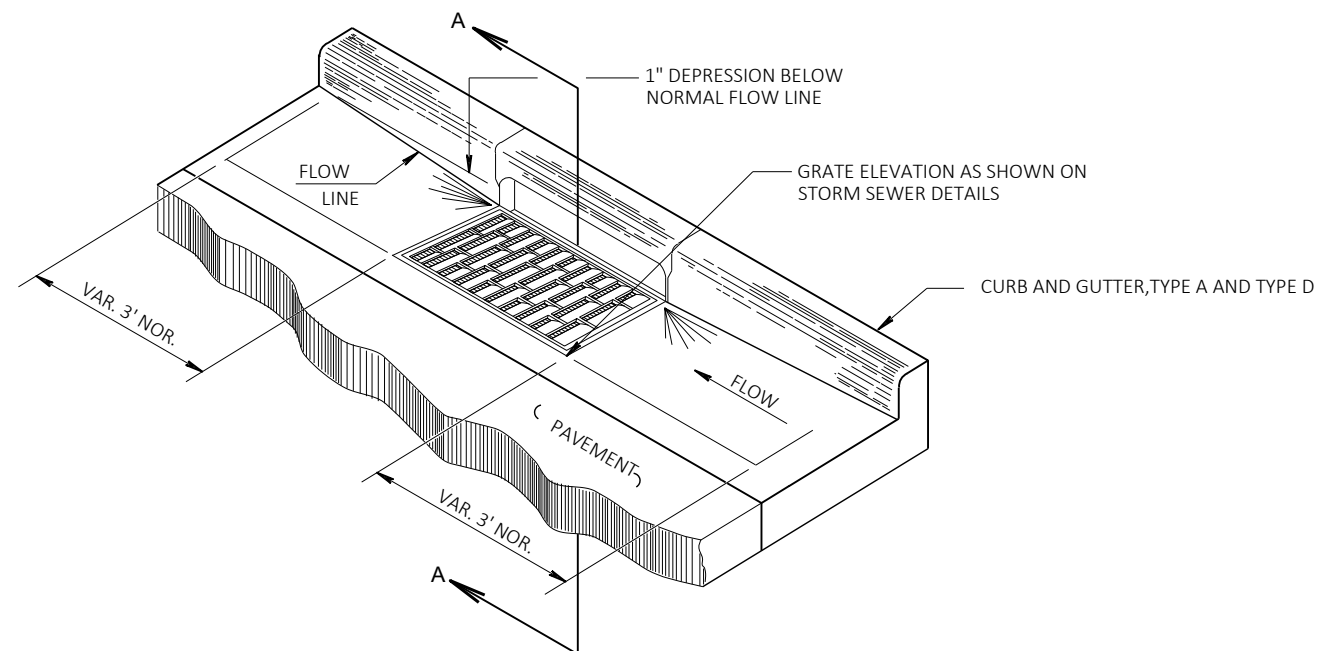
FINISHED TYPICAL SECTIONS

SHEET

E

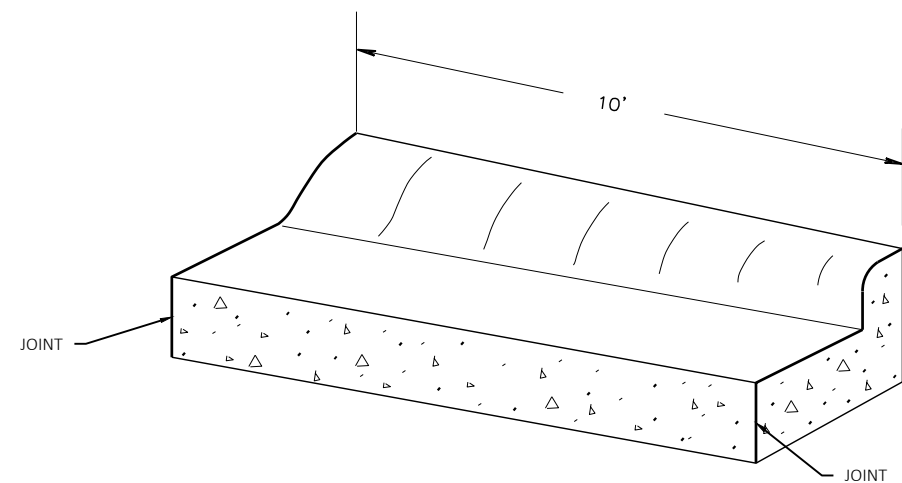


ELEVATION



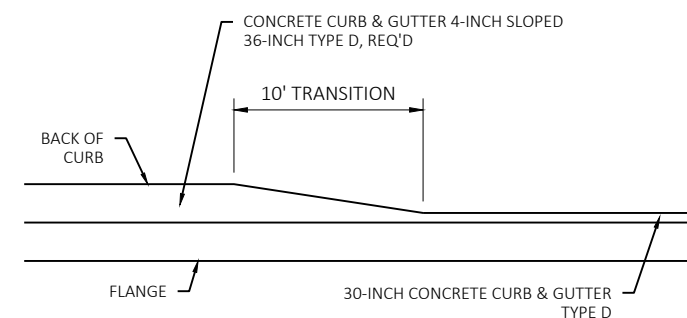
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS
(TYPE 2X3 FT-H INLET SHOWN)



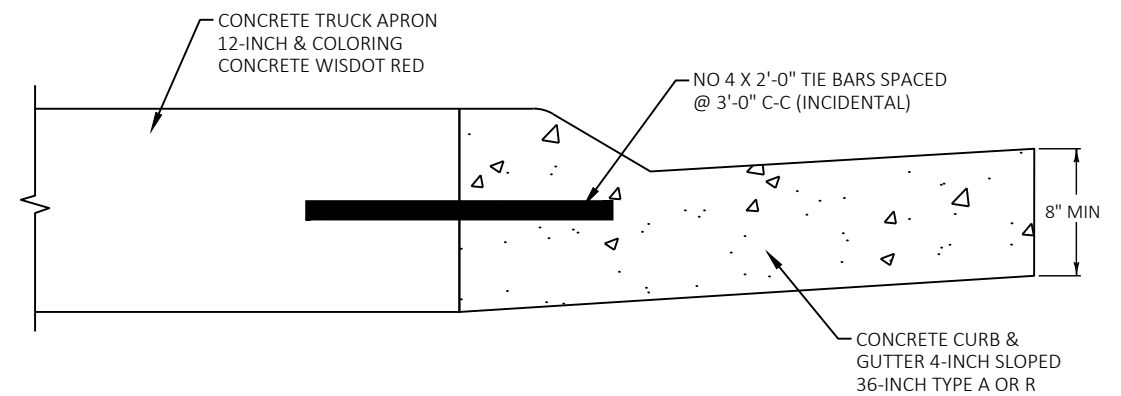
CONCRETE CURB & GUTTER
CURB HEAD WIDTH TRANSITION DETAIL

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D, TO CONCRETE CURB & GUTTER 30-INCH TYPE D (TO BE MEASURED AND PAID FOR AS CONCRETE CURB & GUTTER, 4-INCH SLOPED 36-INCH TYPE D). REFER TO INTERSECTION DETAILS FOR CURB TRANSITION LOCATIONS.

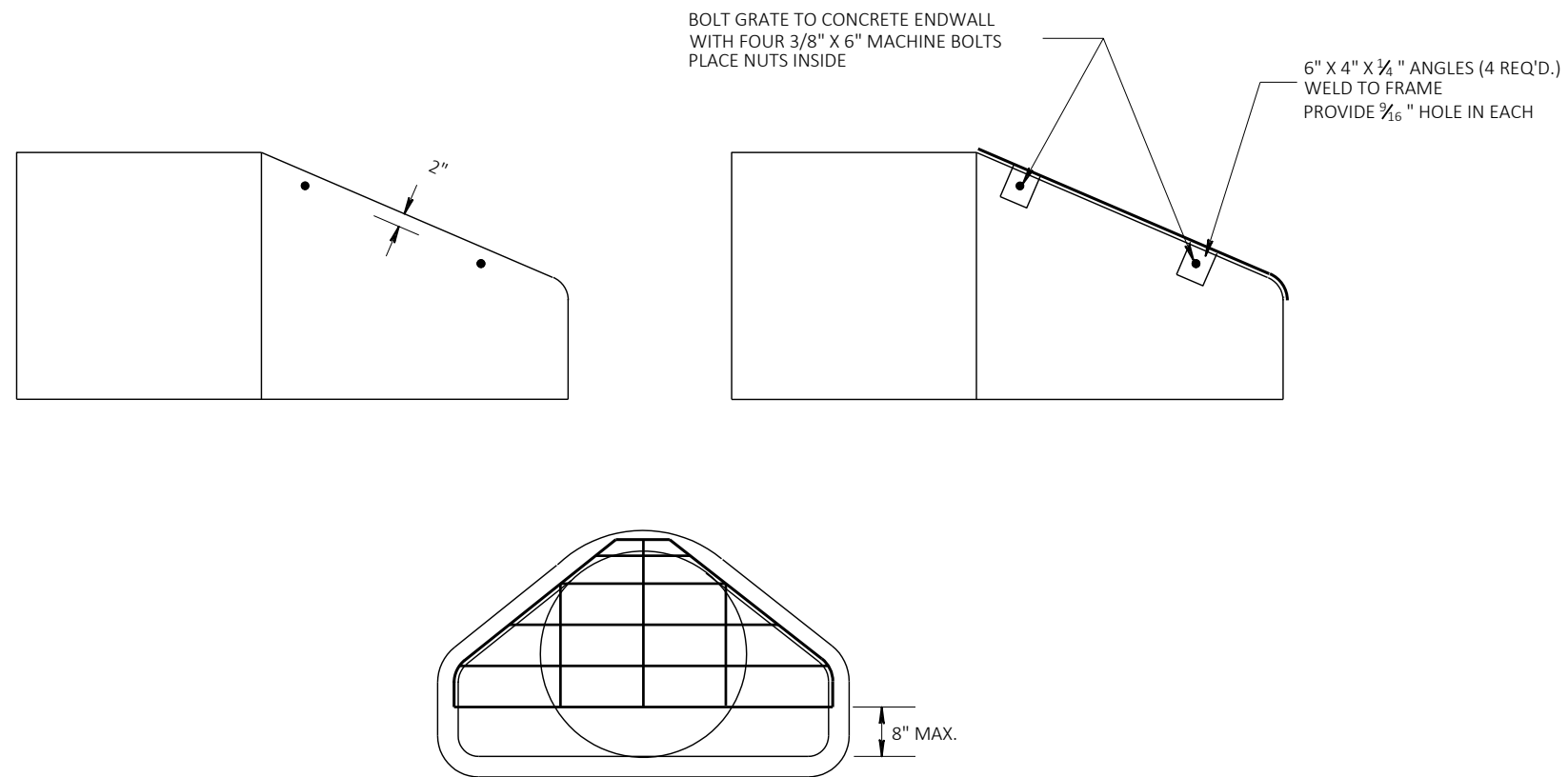
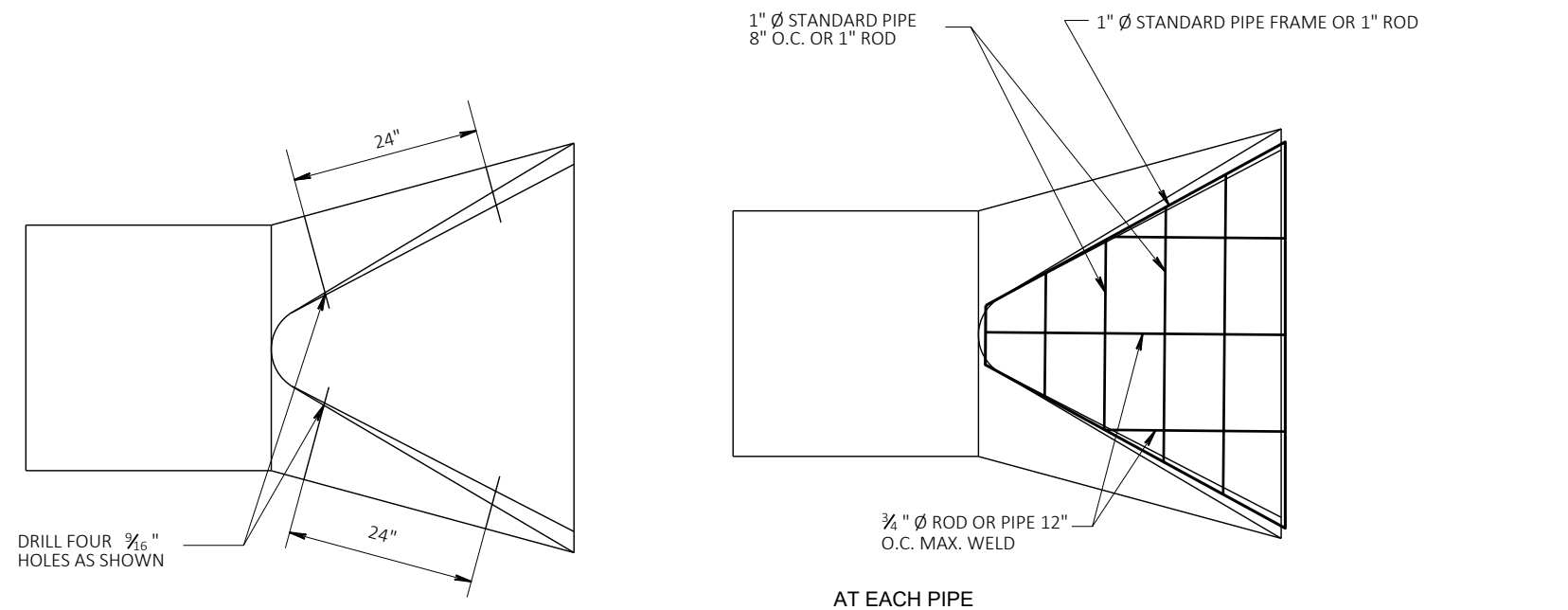
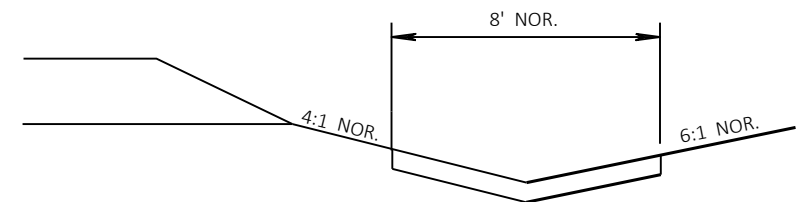
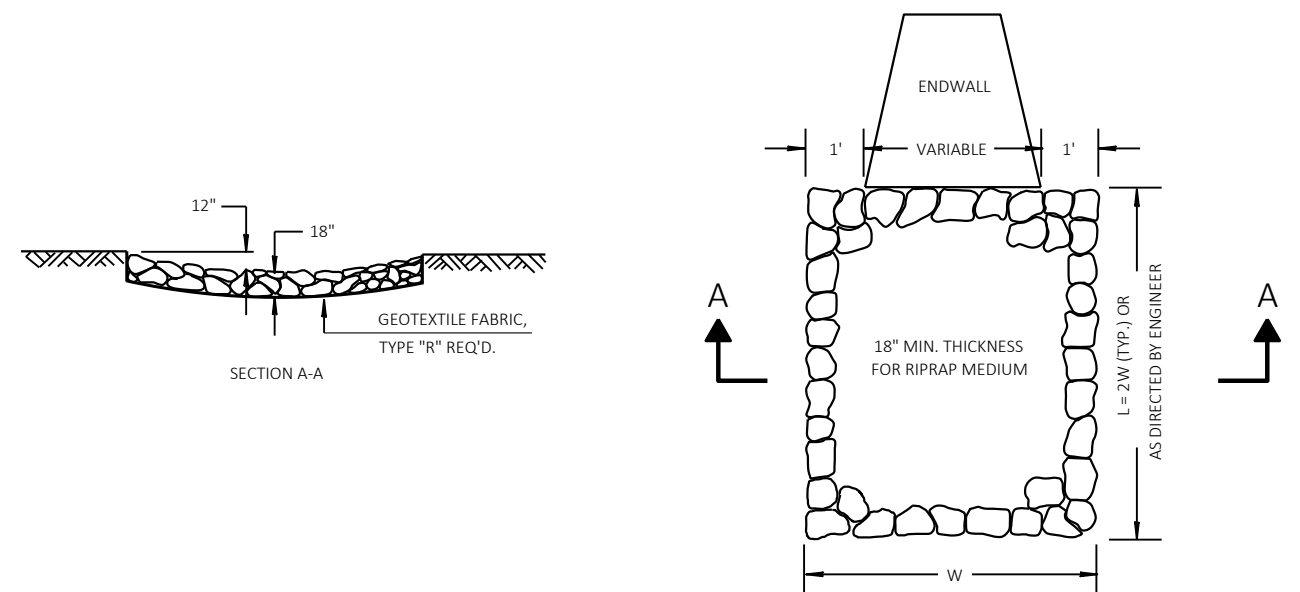


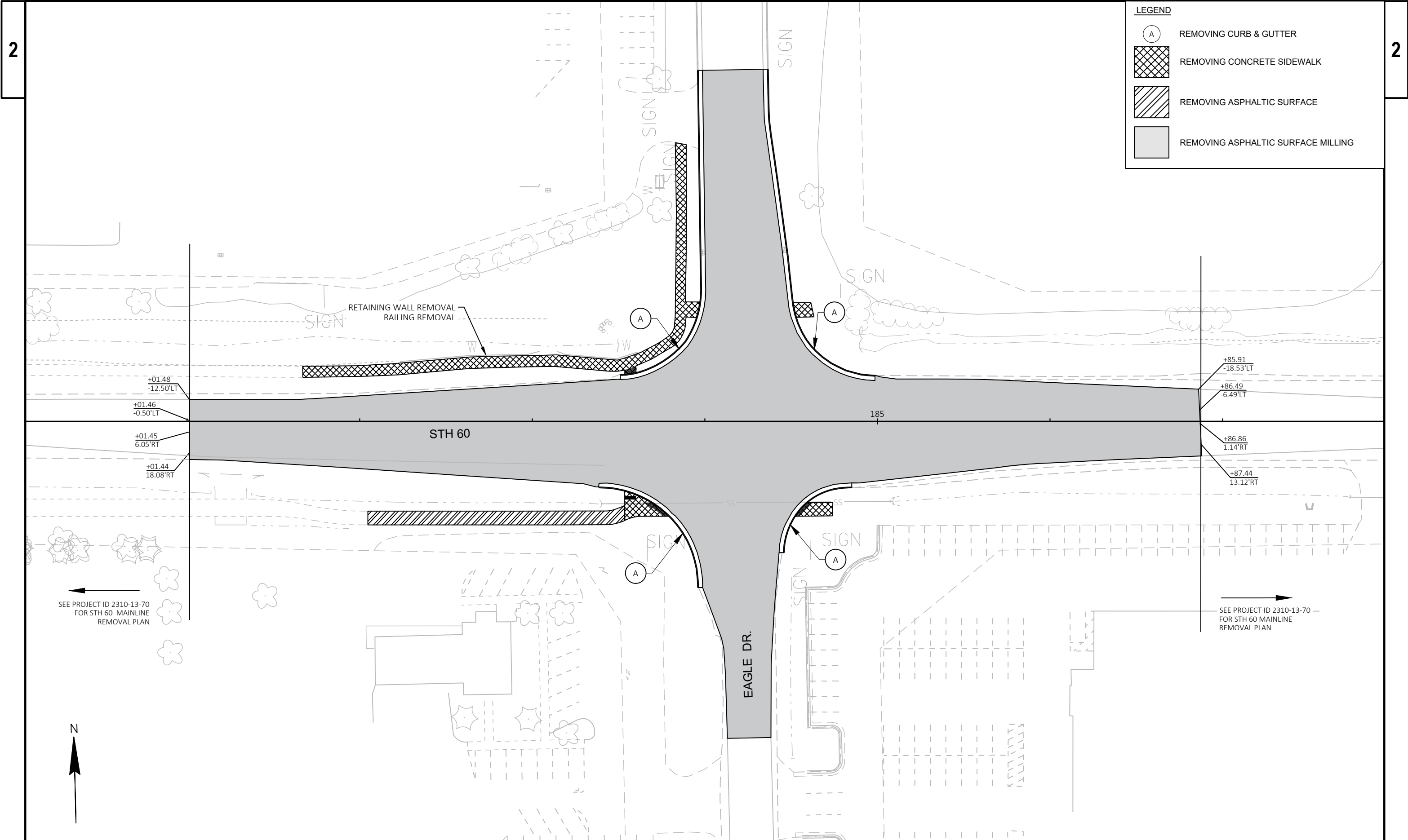
PLAN VIEW

NOTE: PLACE 9.5" BASE AGGREGATE DENSE 1 1/2-INCH AND 12" SELECT CRUSHED MATERIAL W/ GEOGRID TYPE SR UNDER CONCRETE TRUCK APRON 12-INCH AND EXTEND TWO-FOOT BEYOND EDGE OF CONCRETE.

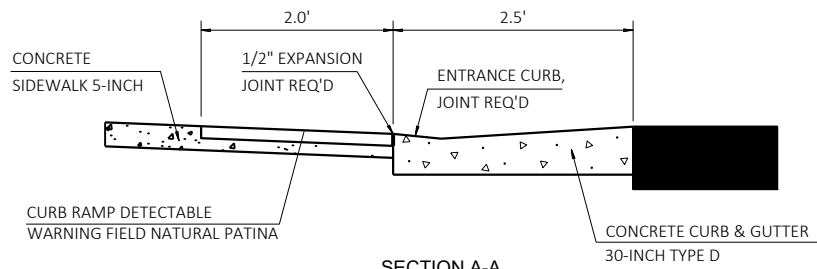


TRUCK OVERTRACKING PAD DETAIL

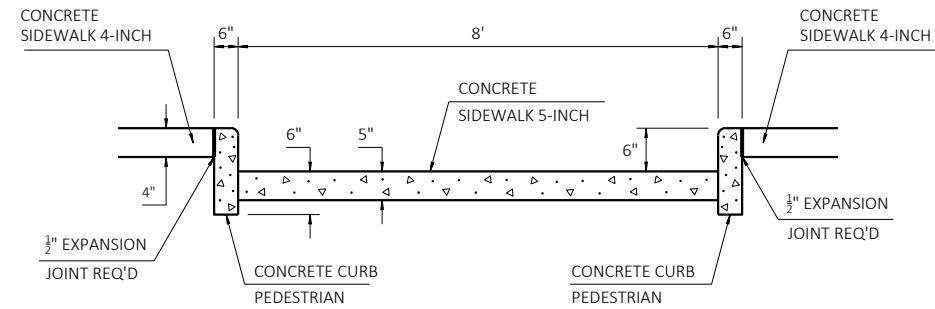
PIPE GRATE DETAILEROSION MAT DETAIL FOR DITCHESRIPRAP MEDIUM TREATMENT AT CULVERTS



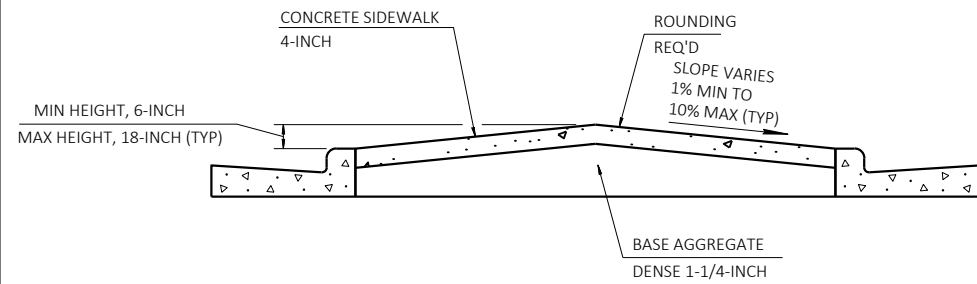
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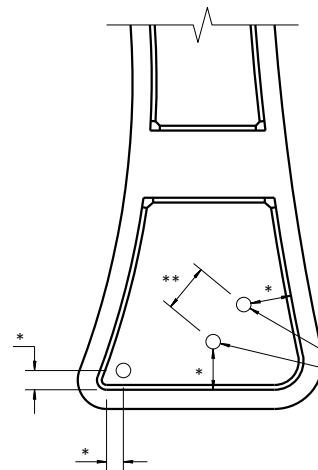
SECTION A-A



SECTION B-B



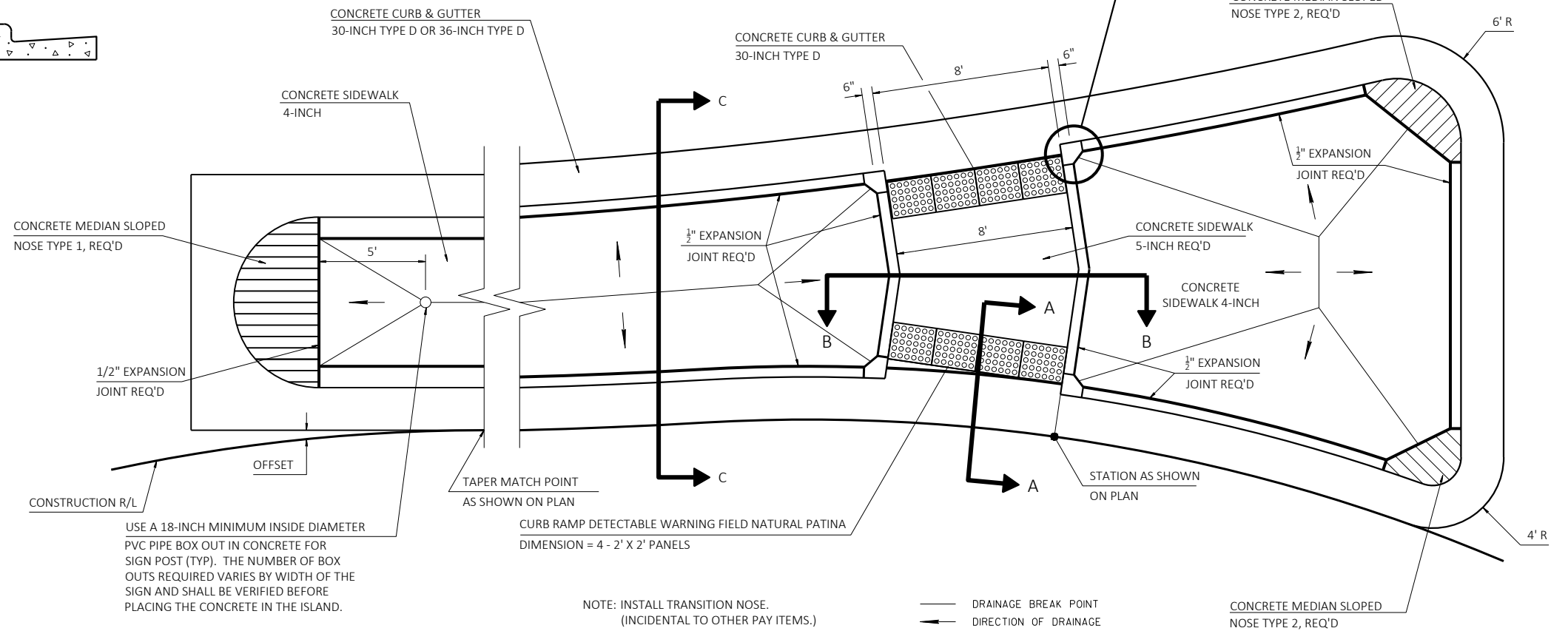
SECTION C-C



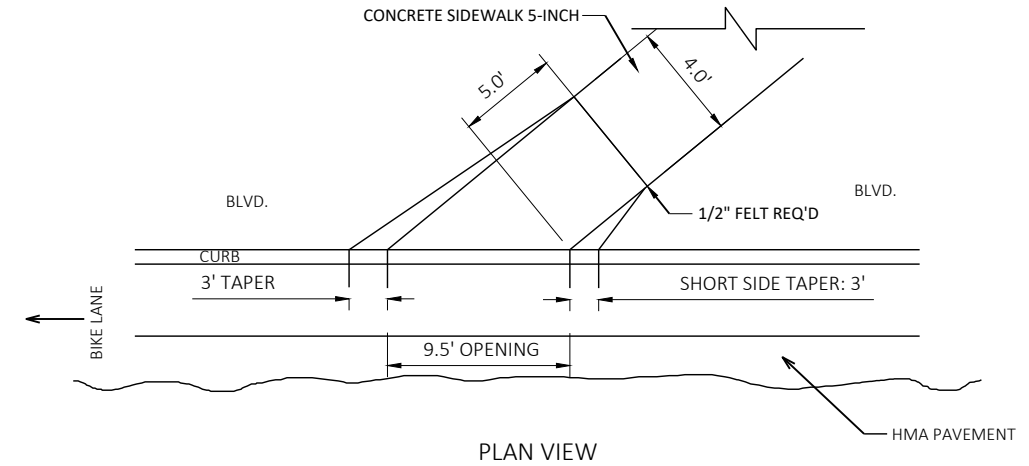
ISLAND SIGN LOCATION DETAIL (TYP)

- * DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.
- ** SEE A4-4 "TYPICAL INSTALL OF TYPE II SIGNS ON MULTIPLE POSTS" SIGN PLATE DETAIL FOR POST SPACING REQUIREMENTS.

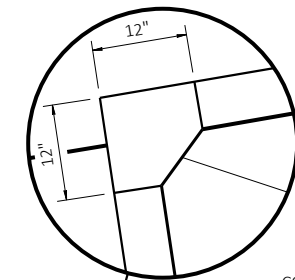
USE A 18-INCH MINIMUM INSIDE DIAMETER
PVC PIPE BOX OUT IN CONCRETE FOR
SIGN POST (TYP). THE NUMBER OF BOX
OUTS REQUIRED VARIES BY WIDTH OF THE
SIGN AND SHALL BE VERIFIED BEFORE
PLACING THE CONCRETE IN THE ISLAND.



SPLITTER ISLAND DETAIL



SIDEWALK CONNECTION TO BIKE PATH

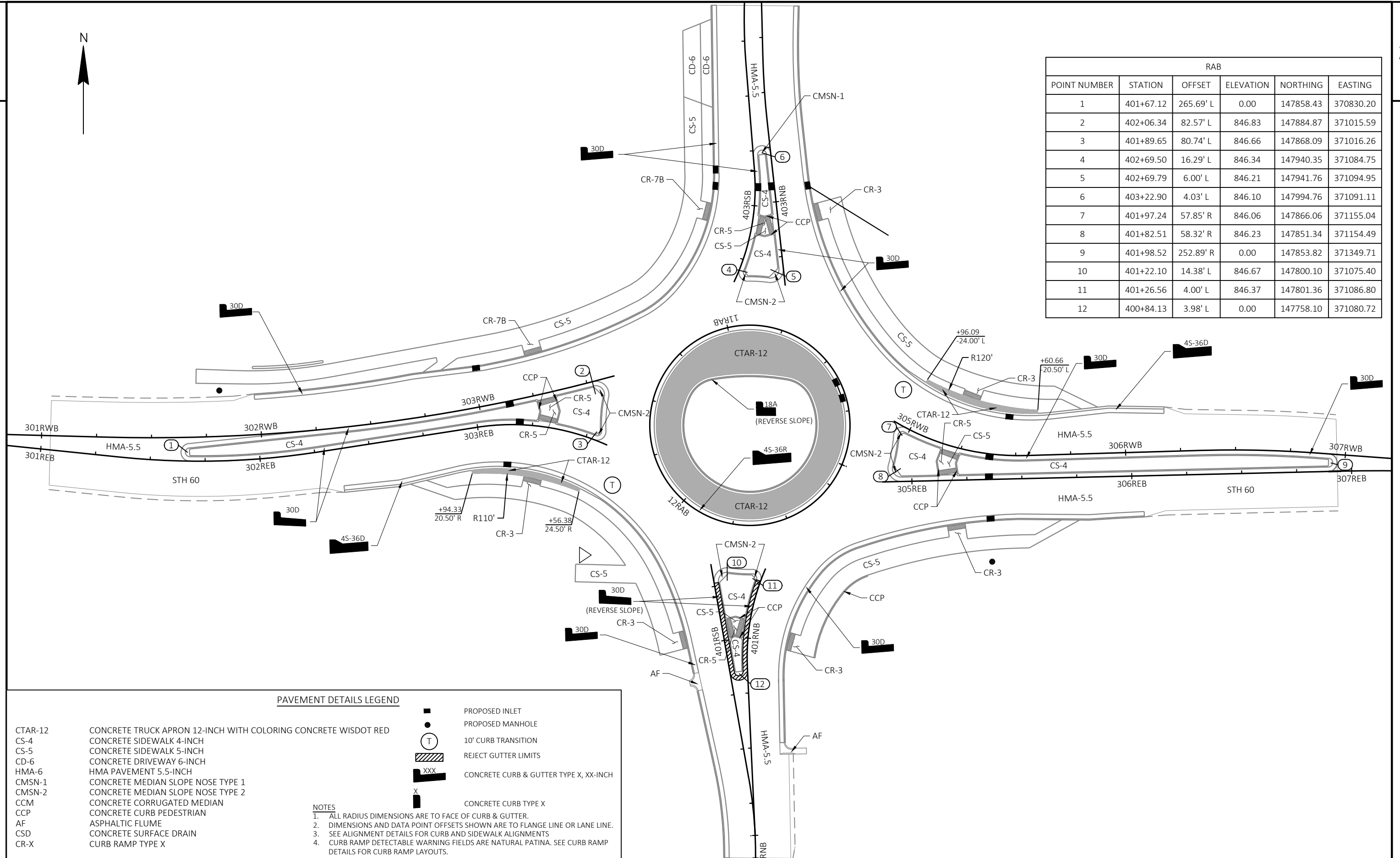


TRANSITION NOSE TYPICAL
AT 4 CROSSWALK CORNERS

NOTE: INSTALL TRANSITION NOSE.
(INCIDENTAL TO OTHER PAY ITEMS.)
DO NOT MARK TRANSITION NOSE.

— DRAINAGE BREAK POINT
 —> DIRECTION OF DRAINAGE

CONCRETE MEDIAN SLOPED
NOSE TYPE 2, REQ'D



PROJECT NO: 2310-13-71

HWY: EAGLE DRIVE

COUNTY: WASHINGTON

PAVEMENT DETAILS

SHEET

E

East Leg CR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	41+46.92	0.00'	845.24	147827.55	371175.21
201	41+54.92	0.00' R	845.20	147828.69	371183.13
202	41+46.92	2.63' R	845.17	147824.96	371175.62
203	41+55.00	2.50' R	845.12	147826.22	371183.52
204	41+36.61	7.50' R	845.80	147818.37	371166.55
205	41+46.92	7.50' R	845.51	147820.15	371176.39
206	41+55.17	7.50' R	845.47	147821.28	371184.31
207	41+36.61	15.50' R	845.91	147810.53	371168.13
208	41+46.92	15.50' R	845.63	147812.25	371177.65
209	41+55.45	15.50' R	845.59	147813.37	371185.57
210	41+55.24	9.50' R	845.50	147819.30	371184.63
211	41+87.34	9.35' R	845.34	147821.17	371215.37
212	41+84.81	15.38' R	845.45	147815.16	371212.79
213	41+99.41	2.50' R	845.28	147827.89	371227.51
214	42+07.49	2.52' R	845.33	147827.79	371235.59
215	41+99.41	0.00'	845.32	147830.39	371227.54
216	42+07.52	0.00'	845.36	147830.31	371235.65
217	305+12.91	0.00'	845.54	147845.75	371172.31
218	305+20.99	0.00'	845.51	147845.94	371180.38
219	305+12.58	2.50' L	845.50	147848.24	371171.92
220	305+20.65	2.50' L	845.43	147848.43	371179.99
221	305+11.71	8.87' L	845.53	147854.59	371170.90
222	305+19.93	7.79' L	845.46	147853.70	371179.15
223	305+16.67	2.50' R	845.44	147860.11	371173.06
224	305+24.52	2.50' R	845.40	147857.90	371180.78
225	305+16.81	0.00'	845.50	147862.44	371173.97
226	305+24.85	0.00'	845.48	147860.25	371181.70
227	10+94.38	0.00'	845.22	147879.40	371180.57
228	10+86.37	0.00' R	845.16	147876.82	371188.16
229	10+99.54	3.00' R	845.52	147884.14	371177.07
230	10+94.38	3.00' R	845.14	147882.19	371181.66
231	10+86.09	3.00' R	845.08	147879.63	371189.25
232	10+81.06	3.00' R	845.38	147878.42	371193.96
233	10+99.66	5.37' R	845.54	147886.34	371177.96

East Leg CR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
234	10+94.38	5.57' R	845.17	147884.58	371182.60
235	10+85.82	5.70' R	845.11	147882.15	371190.24
236	10+81.02	5.67' R	845.41	147881.01	371194.59
237	11+08.29	7.88' R	845.65	147892.24	371172.01
238	10+94.38	8.57' R	845.20	147887.38	371183.69
239	10+85.51	8.70' R	845.14	147884.96	371191.33
240	11+09.04	15.85' R	845.77	147899.45	371175.48
241	10+94.38	16.57' R	845.32	147894.84	371186.59
242	10+84.54	16.70' R	845.26	147892.46	371194.25
243	10+85.28	10.70' R	845.17	147886.84	371192.06
244	10+48.23	14.65' R	845.60	147888.67	371224.31
245	10+45.87	8.44' R	845.52	147882.75	371227.34
246	10+37.25	3.00' R	845.19	147878.30	371236.50
247	10+29.75	3.00' R	845.21	147879.12	371243.95
248	10+37.50	0.00'	845.24	147875.29	371236.59
249	10+29.75	0.00'	845.28	147876.14	371244.28

LEGEND:

- LANDING AREA
- DETECTABLE WARNING FIELD
- 10:1 CONCRETE FLARE
- 6:1 GRADED FLARE
- CONCRETE CURB PEDESTRIAN
- POINT NUMBER & ELEVATION

- CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
- THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
- DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
- SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 2310-13-71

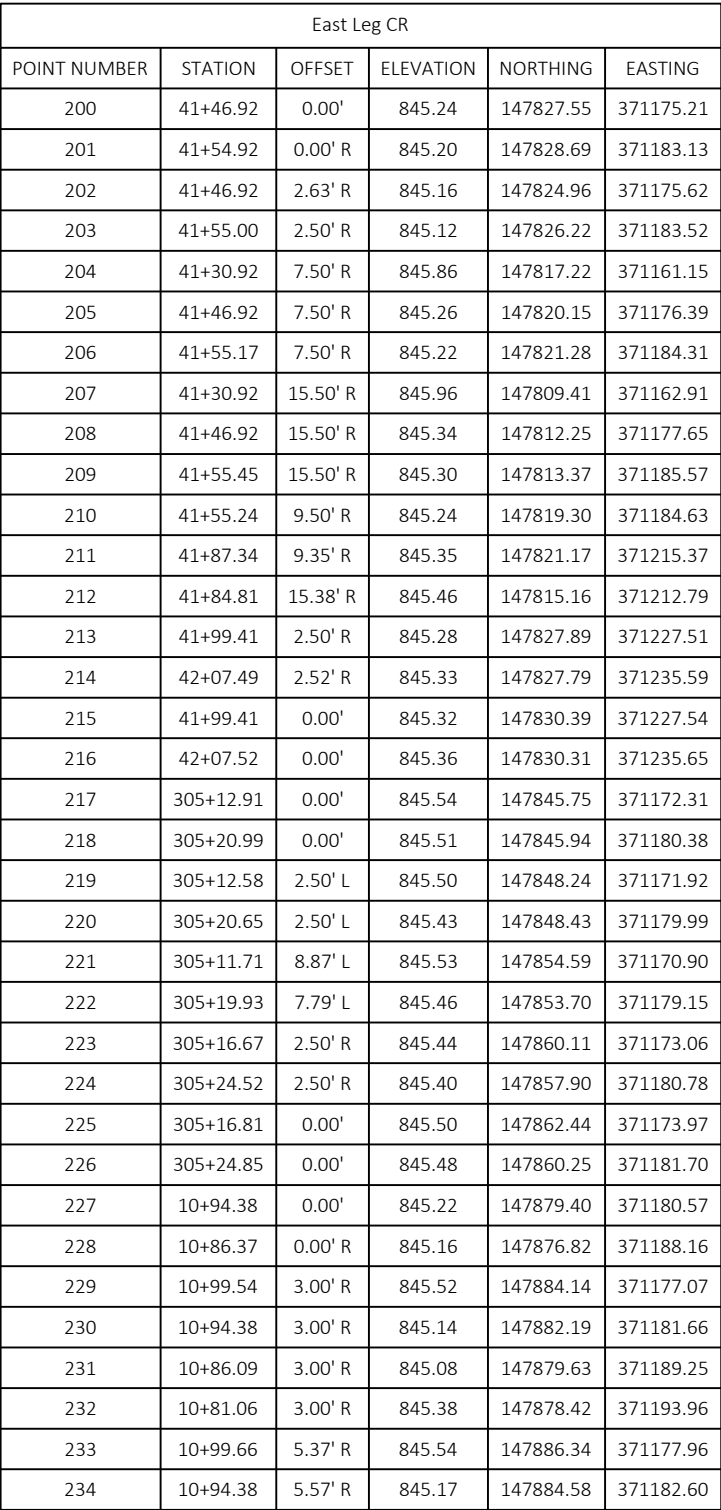
HWY: EAGLE DRIVE

COUNTY: WASHINGTON

CURB RAMPS

SHEET

E



<u>LEGEND:</u>	
	LANDING AREA
	DETECTABLE WARNING FIELD
	10:1 CONCRETE FLARE
	6:1 GRADED FLARE
	CONCRETE CURB PEDESTRIAN
	POINT NUMBER & ELEVATION

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.



CURB RAMP TYPE 7B

CURB RAMP TYPE 5

CURB RAMP TYPE 7B

EAGLE DRIVE

South Leg CR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	40+50.93	0.00'	845.66	147777.32	371101.58
301	40+42.91	0.00' R	845.62	147769.50	371099.82
302	40+50.93	2.50' R	845.58	147776.64	371103.98
303	40+42.63	2.50' R	845.54	147768.82	371102.24
304	40+62.05	7.50' R	845.27	147784.68	371112.21
305	40+50.93	7.50' R	845.53	147775.28	371108.79
306	40+42.08	7.03' R	845.50	147767.58	371106.62
307	40+62.05	15.50' R	845.17	147781.39	371119.51
308	40+50.93	15.50' R	845.41	147773.11	371116.49
309	40+40.81	15.50' R	845.37	147765.26	371114.84
310	401+07.70	0.00'	845.79	147781.77	371085.78
311	400+99.60	0.00'	845.75	147773.74	371084.79
312	401+07.98	2.50' L	845.74	147782.46	371083.36
313	401+00.08	2.50' L	845.67	147774.43	371082.34
314	401+08.42	6.81' L	845.80	147783.63	371079.18
315	401+00.68	5.81' L	845.72	147775.34	371079.10
316	401+09.16	2.50' R	845.76	147782.53	371074.96
317	401+01.14	2.50' R	845.66	147774.63	371076.36
318	401+08.96	0.00'	845.81	147781.90	371072.54
319	401+00.93	0.00'	845.74	147773.99	371073.94

South Leg CR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
320	31+96.14	0.00'	845.55	147778.09	371057.99
321	32+04.15	0.00'	845.45	147770.30	371059.82
322	31+96.14	2.50' R	845.47	147777.46	371055.57
323	32+04.24	2.50' R	845.37	147769.67	371057.40
324	31+85.61	7.50' R	846.15	147785.77	371047.86
325	31+96.14	7.50' R	845.72	147776.19	371050.73
326	32+04.42	7.30' R	845.61	147768.45	371052.76
327	31+85.61	15.50' R	846.26	147783.21	371040.29
328	31+96.14	15.50' R	845.84	147774.16	371042.99
329	32+04.74	15.50' R	845.74	147766.37	371044.82

LEGEND:

LANDING AREA

DETECTABLE WARNING FIELD

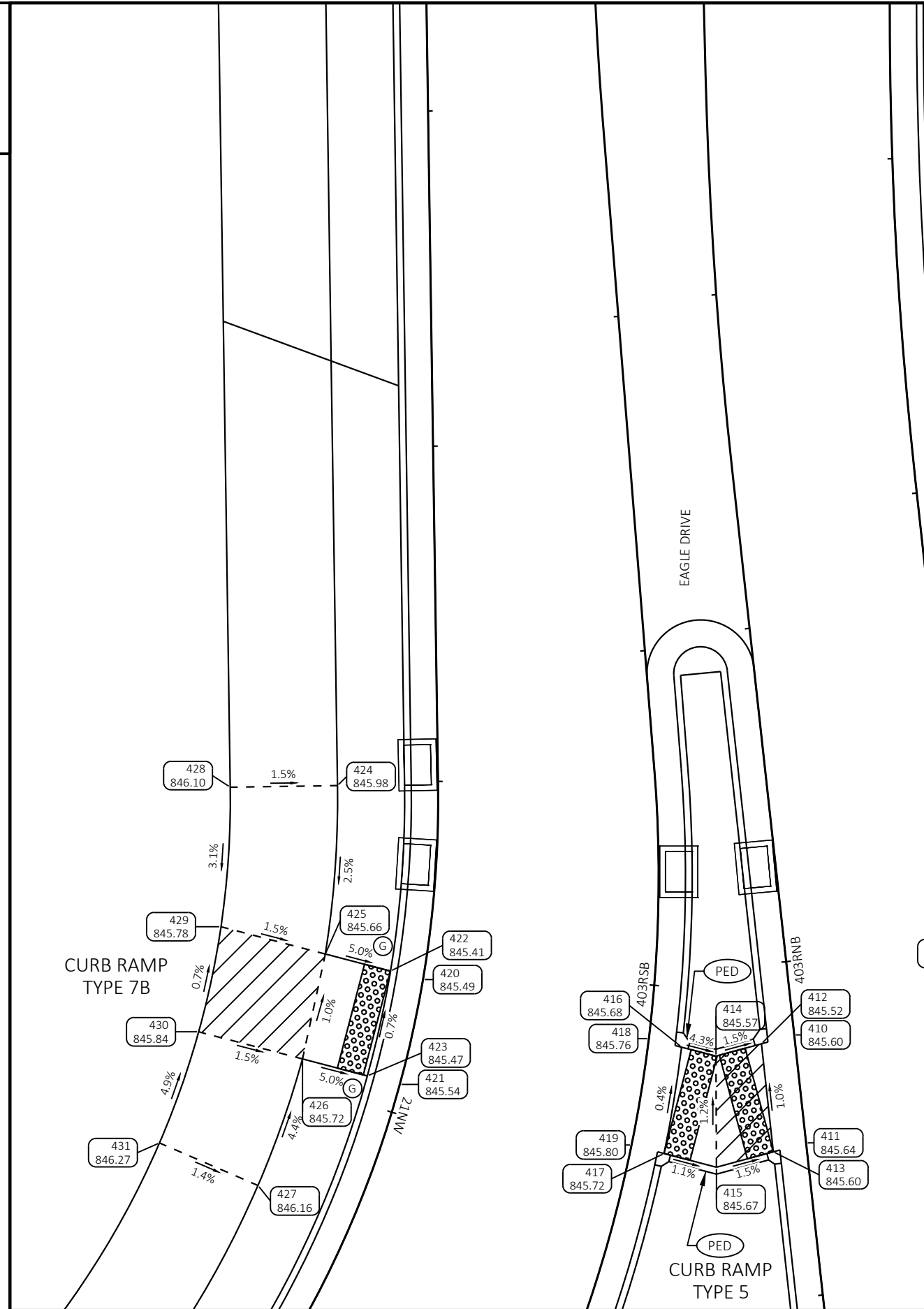
10:1 CONCRETE FLARE

6:1 GRADED FLARE

CONCRETE CURB PEDESTRIAN

POINT NUMBER & ELEVATION

- CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
- THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
- DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
- SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.



North Leg CR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	12+13.05	0.00' R	845.33	147970.77	371112.17
401	12+05.05	0.00'	845.38	147962.99	371114.06
402	12+13.19	2.50' R	845.24	147971.43	371114.59
403	12+05.05	2.50' R	845.30	147963.65	371116.47
404	12+13.46	7.28' R	845.48	147972.68	371119.20
405	12+05.05	7.50' R	845.55	147964.96	371121.30
406	11+94.52	7.50' R	845.93	147955.41	371124.25
407	12+13.97	15.50' R	845.61	147974.84	371127.15
408	12+05.05	15.50' R	845.67	147967.06	371129.02
409	11+94.52	15.50' R	846.05	147958.04	371131.81
410	402+94.51	0.00'	845.60	147966.98	371098.22
411	402+86.41	0.00'	845.64	147958.93	371099.10
412	402+94.11	2.50' L	845.52	147966.32	371095.77
413	402+86.02	2.50' L	845.60	147958.27	371096.66
414	402+93.57	5.97' L	845.57	147965.40	371092.38
415	402+85.34	6.84' L	845.67	147957.12	371092.42
416	402+95.68	2.50' R	845.68	147966.07	371089.82
417	402+87.84	2.50' R	845.72	147958.14	371088.51
418	402+96.01	0.00'	845.76	147966.71	371087.38
419	402+87.97	0.00'	845.80	147958.77	371086.09

North Leg CR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
420	20+89.83	0.00' R	845.49	147971.11	371070.54
421	20+97.84	0.00'	845.54	147963.29	371068.81
422	20+89.61	2.50' R	845.41	147971.74	371068.11
423	20+97.87	2.50' R	845.47	147963.92	371066.39
424	20+75.20	7.50' R	845.98	147985.57	371064.16
425	20+89.11	7.50' R	845.66	147973.01	371063.25
426	20+97.95	7.50' R	845.72	147965.19	371061.55
427	21+08.99	7.50' R	846.16	147955.76	371058.23
428	20+75.20	15.50' R	846.10	147985.45	371056.16
429	20+88.14	15.50' R	845.78	147975.05	371055.47
430	20+98.08	15.50' R	845.84	147967.21	371053.81
431	21+08.99	15.50' R	846.27	147958.93	371050.89

LEGEND:

LANDING AREA

DETECTABLE WARNING FIELD

10:1 CONCRETE FLARE

6:1 GRADED FLARE

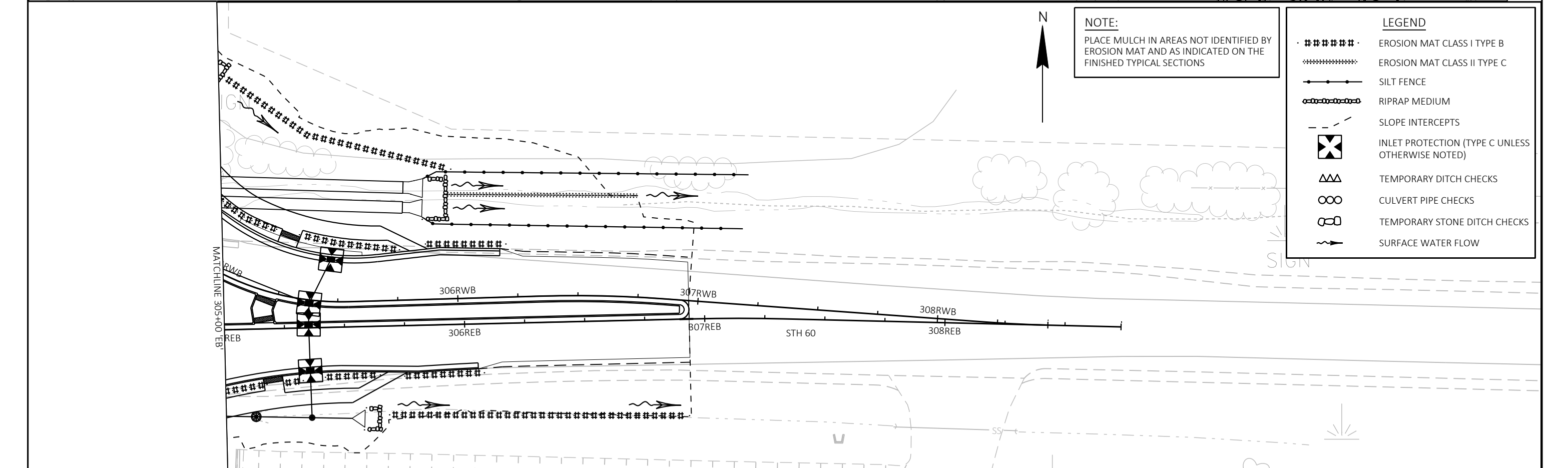
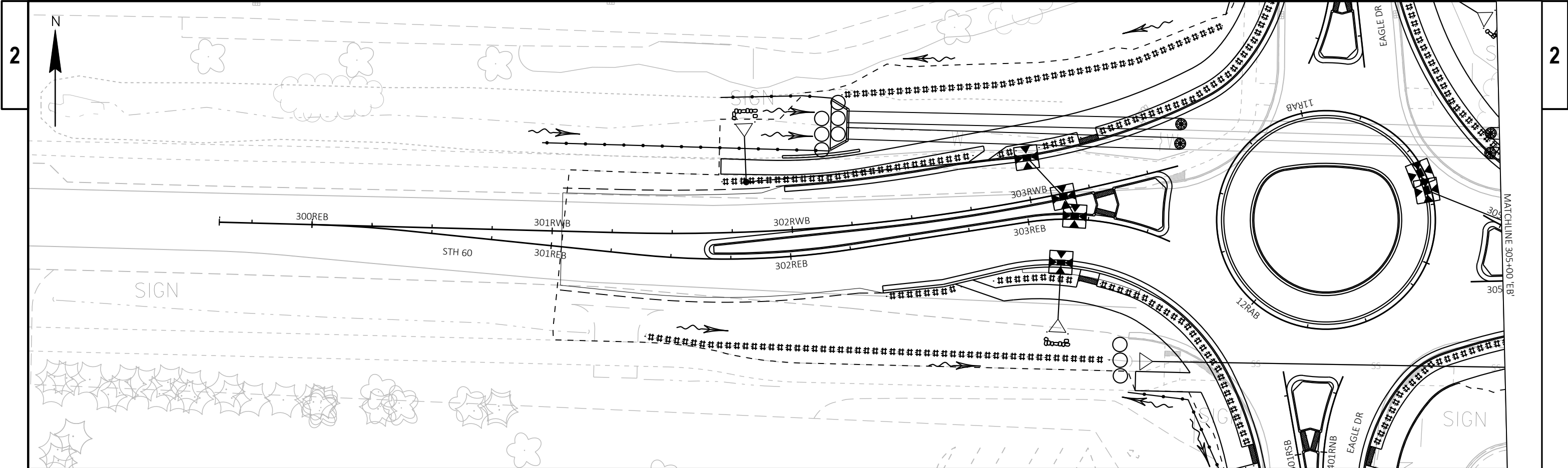
CONCRETE CURB PEDESTRIAN

XXXX
YYY.YY

POINT NUMBER & ELEVATION

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

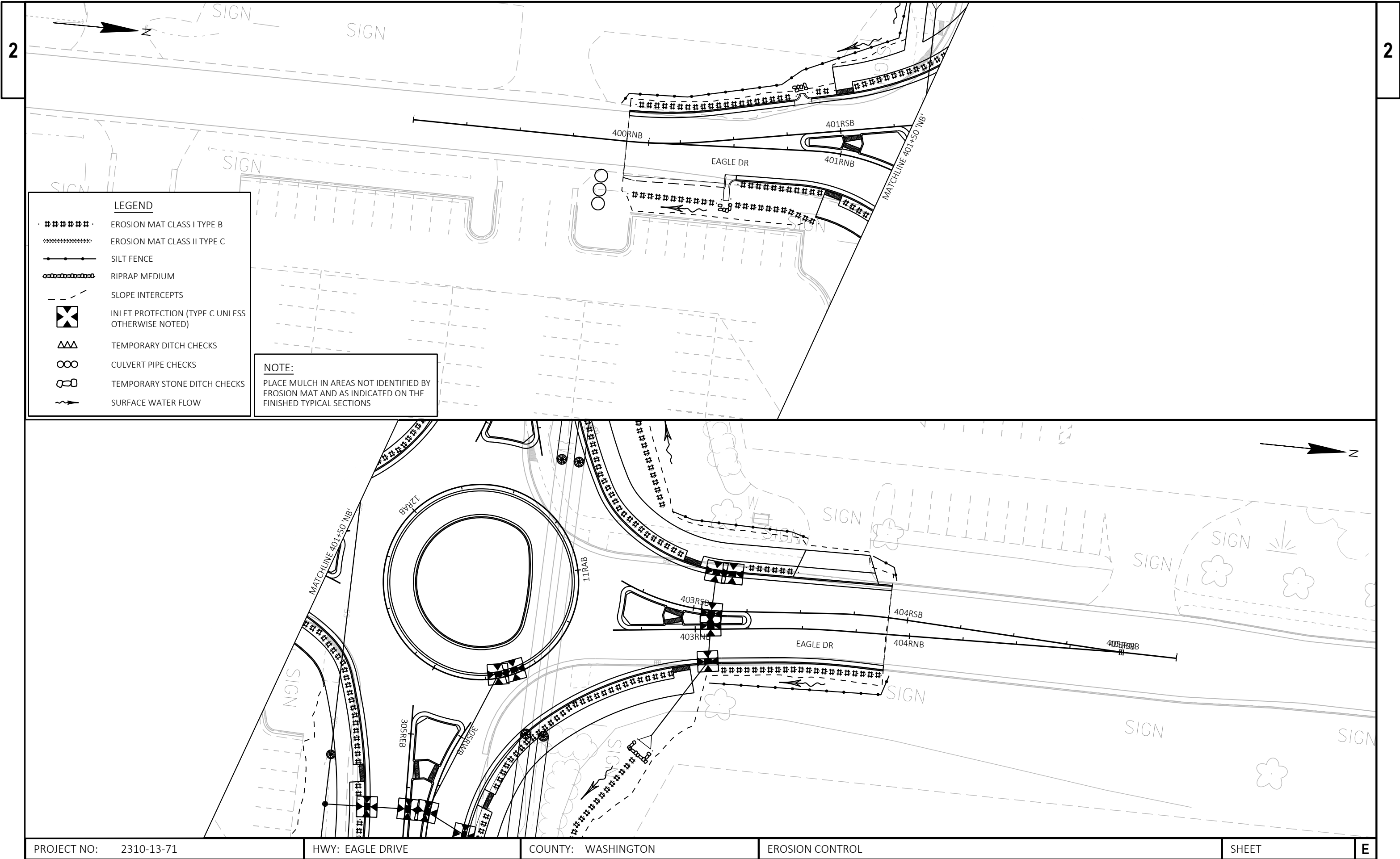


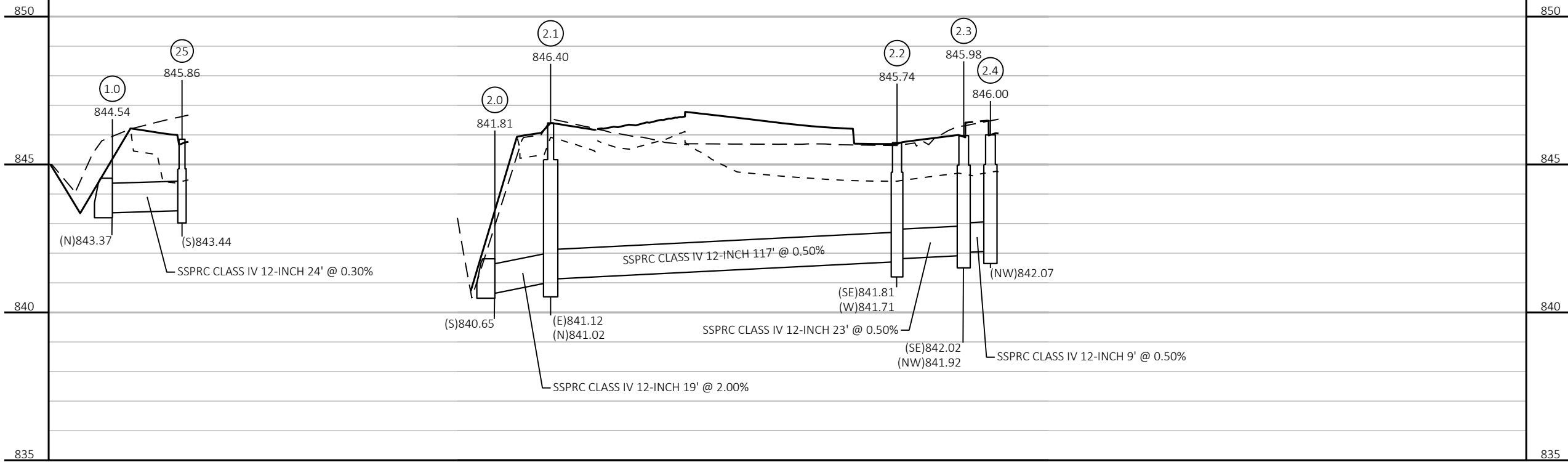
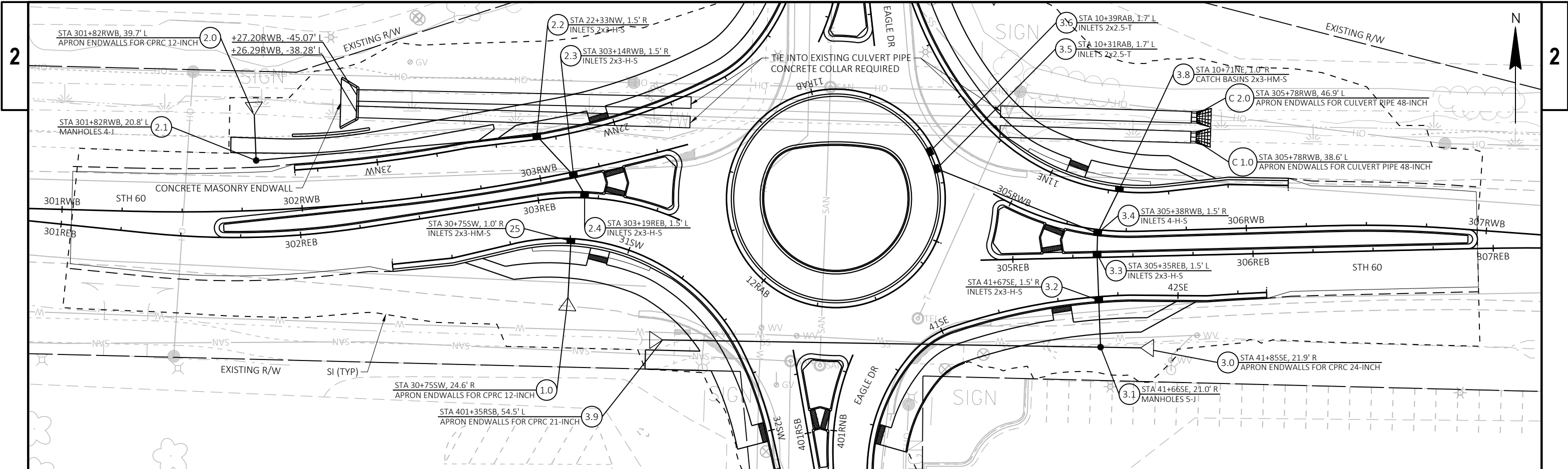


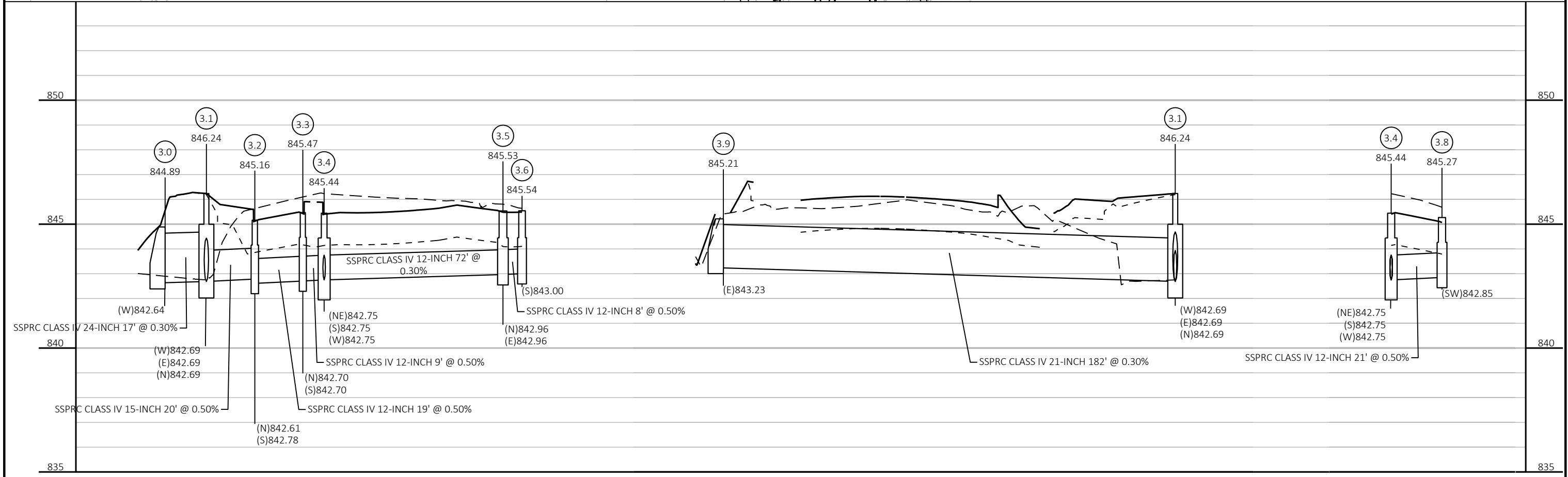
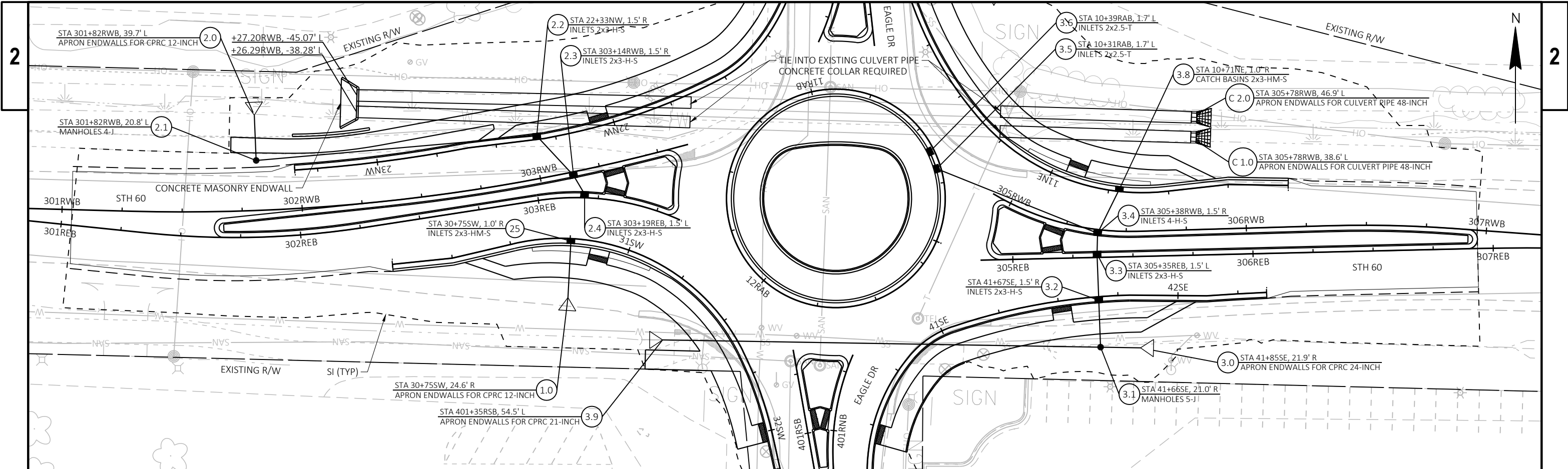
NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY
EROSION MAT AND AS INDICATED ON THE
FINISHED TYPICAL SECTIONS

LEGEND	
*****	EROSION MAT CLASS I TYPE B
*****	EROSION MAT CLASS II TYPE C
-----	SILT FENCE
-----	RIPRAP MEDIUM
-----	SLOPE INTERCEPTS
XXXX	INLET PROTECTION (TYPE C UNLESS OTHERWISE NOTED)
AAA	TEMPORARY DITCH CHECKS
OOO	CULVERT PIPE CHECKS
OOO	TEMPORARY STONE DITCH CHECKS
~~~~~	SURFACE WATER FLOW









PROJECT NO: 2310-13-71	HWY: EAGLE DRIVE	COUNTY: WASHINGTON	STORM SEWER	SHEET	E
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## LIGHTING PLAN LEGEND:

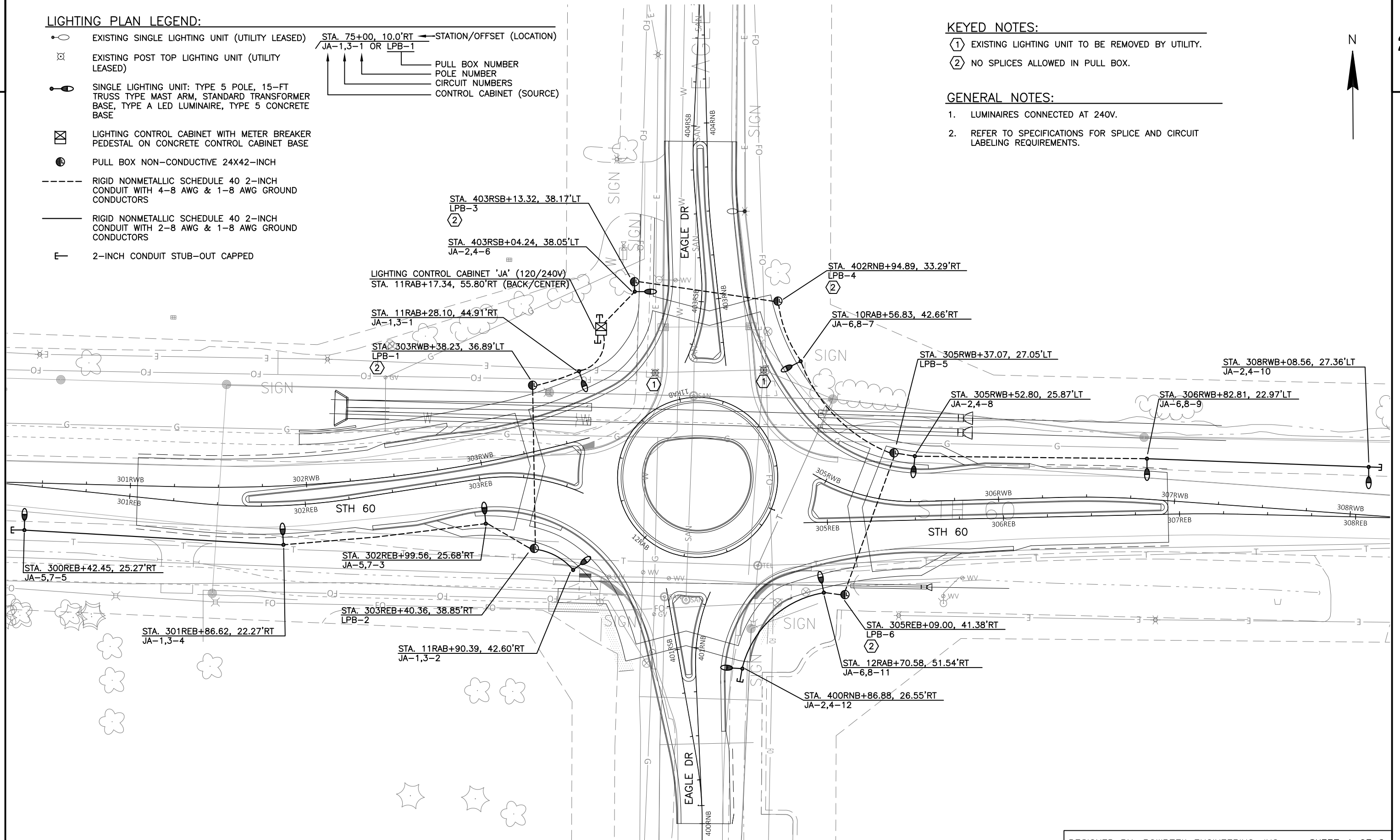
- EXISTING SINGLE LIGHTING UNIT (UTILITY LEASED)  
EXISTING POST TOP LIGHTING UNIT (UTILITY LEASED)  
SINGLE LIGHTING UNIT: TYPE 5 POLE, 15-FT TRUSS TYPE MAST ARM, STANDARD TRANSFORMER BASE, TYPE A LED LUMINAIRE, TYPE 5 CONCRETE BASE  
LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE  
PULL BOX NON-CONDUCTIVE 24X42-INCH  
RIGID NONMETALLIC SCHEDULE 40 2-INCH CONDUIT WITH 4-8 AWG & 1-8 AWG GROUND CONDUCTORS  
RIGID NONMETALLIC SCHEDULE 40 2-INCH CONDUIT WITH 2-8 AWG & 1-8 AWG GROUND CONDUCTORS  
2-INCH CONDUIT STUB-OUT CAPPED
- STATION/OFFSET (LOCATION)  
PULL BOX NUMBER  
POLE NUMBER  
CIRCUIT NUMBERS  
CONTROL CABINET (SOURCE)
- STA. 75+00, 10.0'RT  
JA-1,3-1 OR LPB-1
- STA. 403RSB+13.32, 38.17'LT  
LPB-3
- STA. 403RSB+04.24, 38.05'LT  
JA-2,4-6
- LIGHTING CONTROL CABINET 'JA' (120/240V)  
STA. 11RAB+17.34, 55.80'RT (BACK/CENTER)
- STA. 11RAB+28.10, 44.91'RT  
JA-1,3-1
- STA. 303RWB+38.23, 36.89'LT  
LPB-1
- STA. 300REB+42.45, 25.27'RT  
JA-5,7-5
- STA. 301REB+86.62, 22.27'RT  
JA-1,3-4
- STA. 302REB+99.56, 25.68'RT  
JA-5,7-3
- STA. 303REB+40.36, 38.85'RT  
LPB-2
- STA. 11RAB+90.39, 42.60'RT  
JA-1,3-2
- STA. 402RNB+94.89, 33.29'RT  
LPB-4
- STA. 10RAB+56.83, 42.66'RT  
JA-6,8-7
- STA. 305RWB+37.07, 27.05'LT  
LPB-5
- STA. 305RWB+52.80, 25.87'LT  
JA-2,4-8
- STA. 306RWB+82.81, 22.97'LT  
JA-6,8-9
- STA. 308RWB+08.56, 27.36'LT  
JA-2,4-10
- STA. 305REB+09.00, 41.38'RT  
LPB-6
- STA. 12RAB+70.58, 51.54'RT  
JA-6,8-11
- STA. 400RNB+86.88, 26.55'RT  
JA-2,4-12

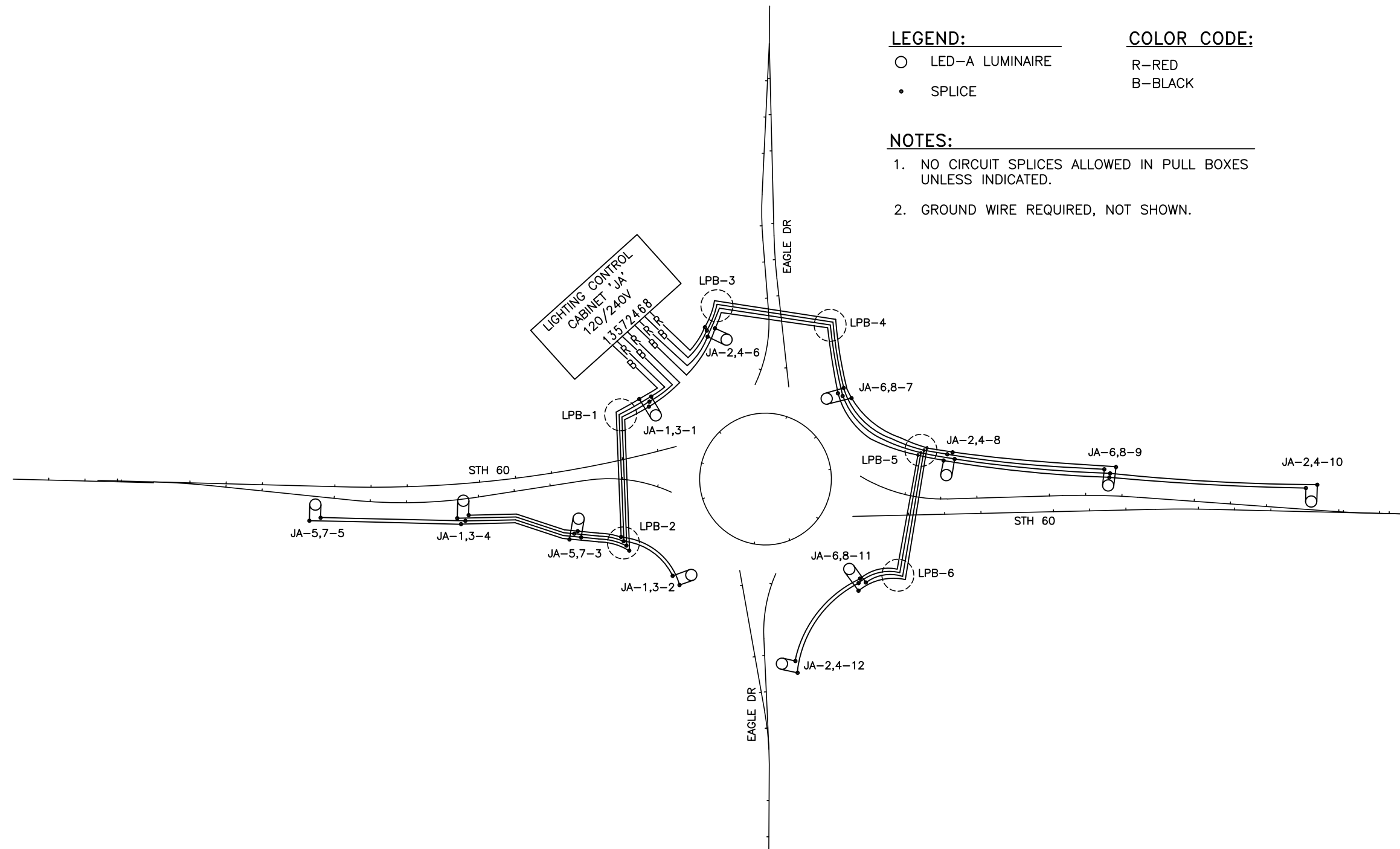
## KEYED NOTES:

- 1 EXISTING LIGHTING UNIT TO BE REMOVED BY UTILITY.  
2 NO SPLICES ALLOWED IN PULL BOX.

## GENERAL NOTES:

1. LUMINAIRES CONNECTED AT 240V.  
2. REFER TO SPECIFICATIONS FOR SPLICE AND CIRCUIT LABELING REQUIREMENTS.





**LEGEND:**

- LED-A LUMINAIRE
- SPLICE

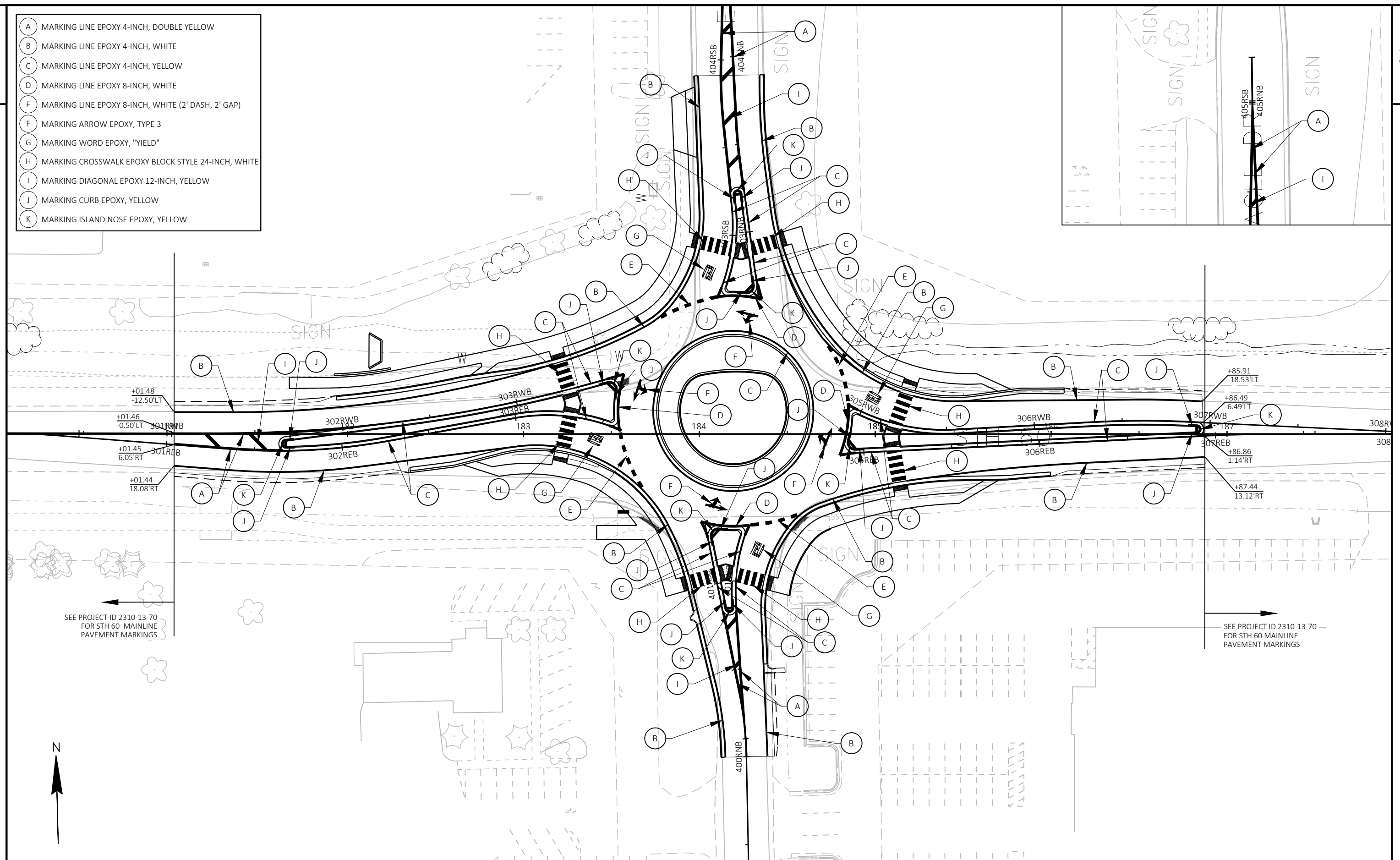
**COLOR CODE:**

- R-RED
- B-BLACK

**NOTES:**

1. NO CIRCUIT SPLICES ALLOWED IN PULL BOXES UNLESS INDICATED.
2. GROUND WIRE REQUIRED, NOT SHOWN.

- (A) MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- (B) MARKING LINE EPOXY 4-INCH, WHITE
- (C) MARKING LINE EPOXY 4-INCH, YELLOW
- (D) MARKING LINE EPOXY 8-INCH, WHITE
- (E) MARKING LINE EPOXY 8-INCH, WHITE (2' DASH, 2' GAP)
- (F) MARKING ARROW EPOXY, TYPE 3
- (G) MARKING WORD EPOXY, "YIELD"
- (H) MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
- (I) MARKING DIAGONAL EPOXY 12-INCH, YELLOW
- (J) MARKING CURB EPOXY, YELLOW
- (K) MARKING ISLAND NOSE EPOXY, YELLOW



PROJECT NO: 2310-13-71

HWY: STH 60 &amp; EAGLE DRIVE

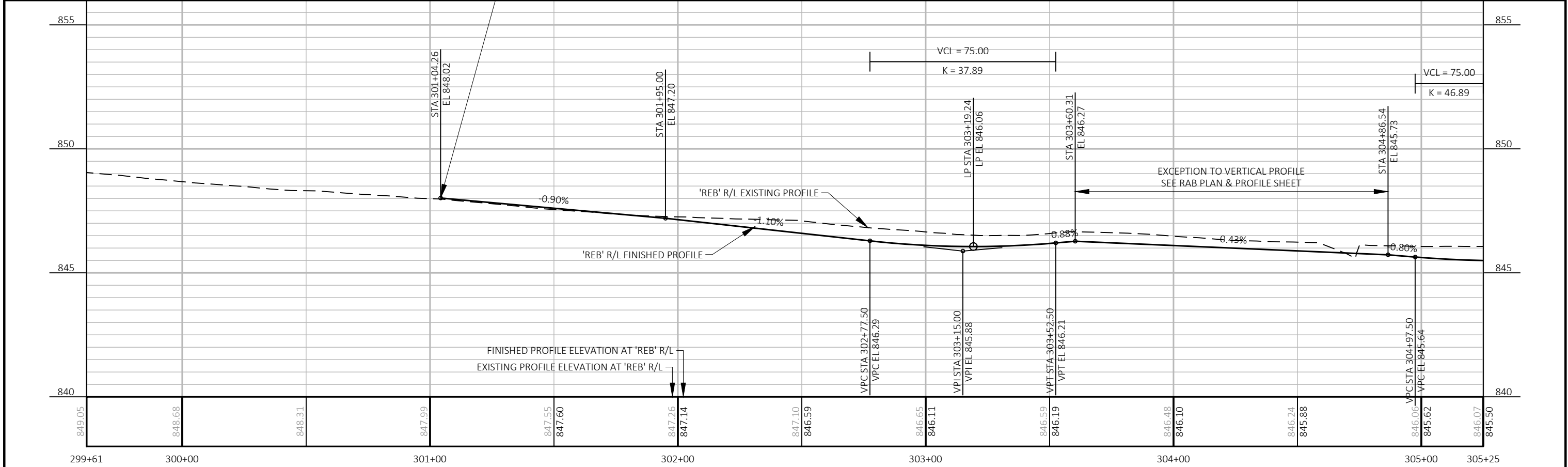
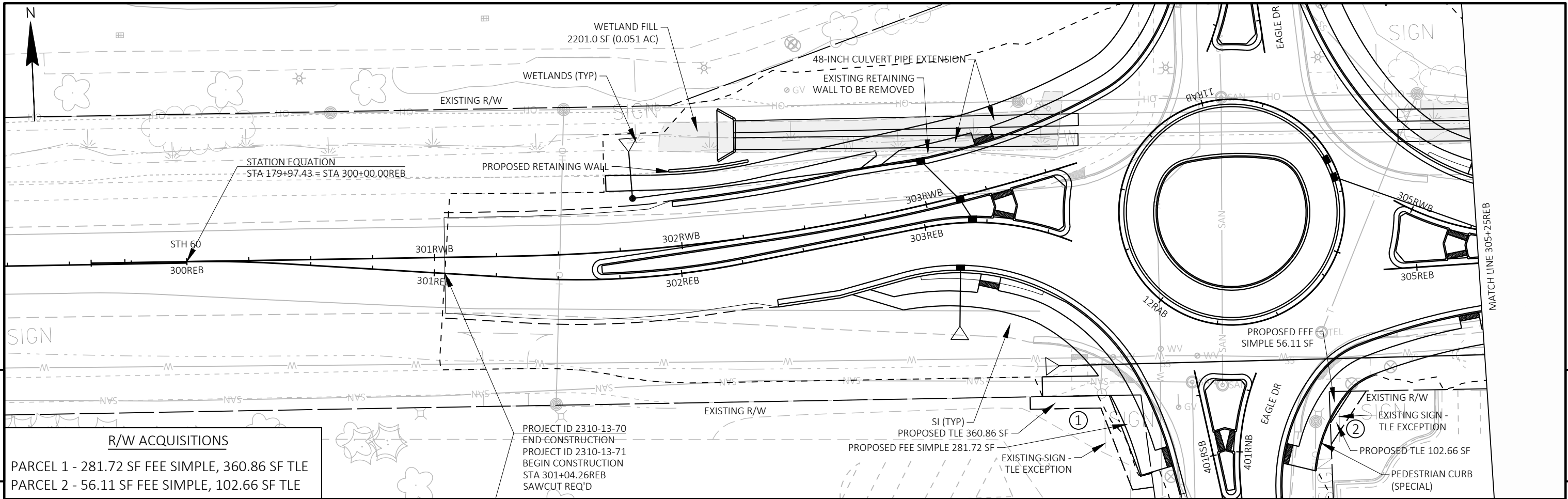
COUNTY: WASHINGTON

PAVEMENT MARKING

SHEET

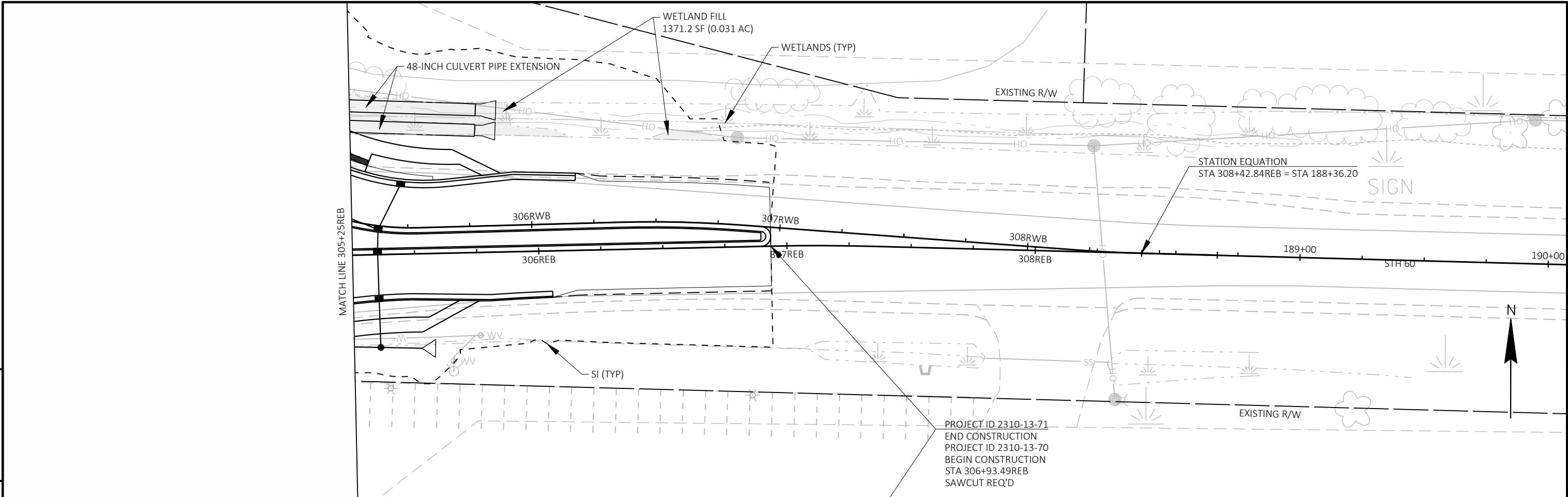
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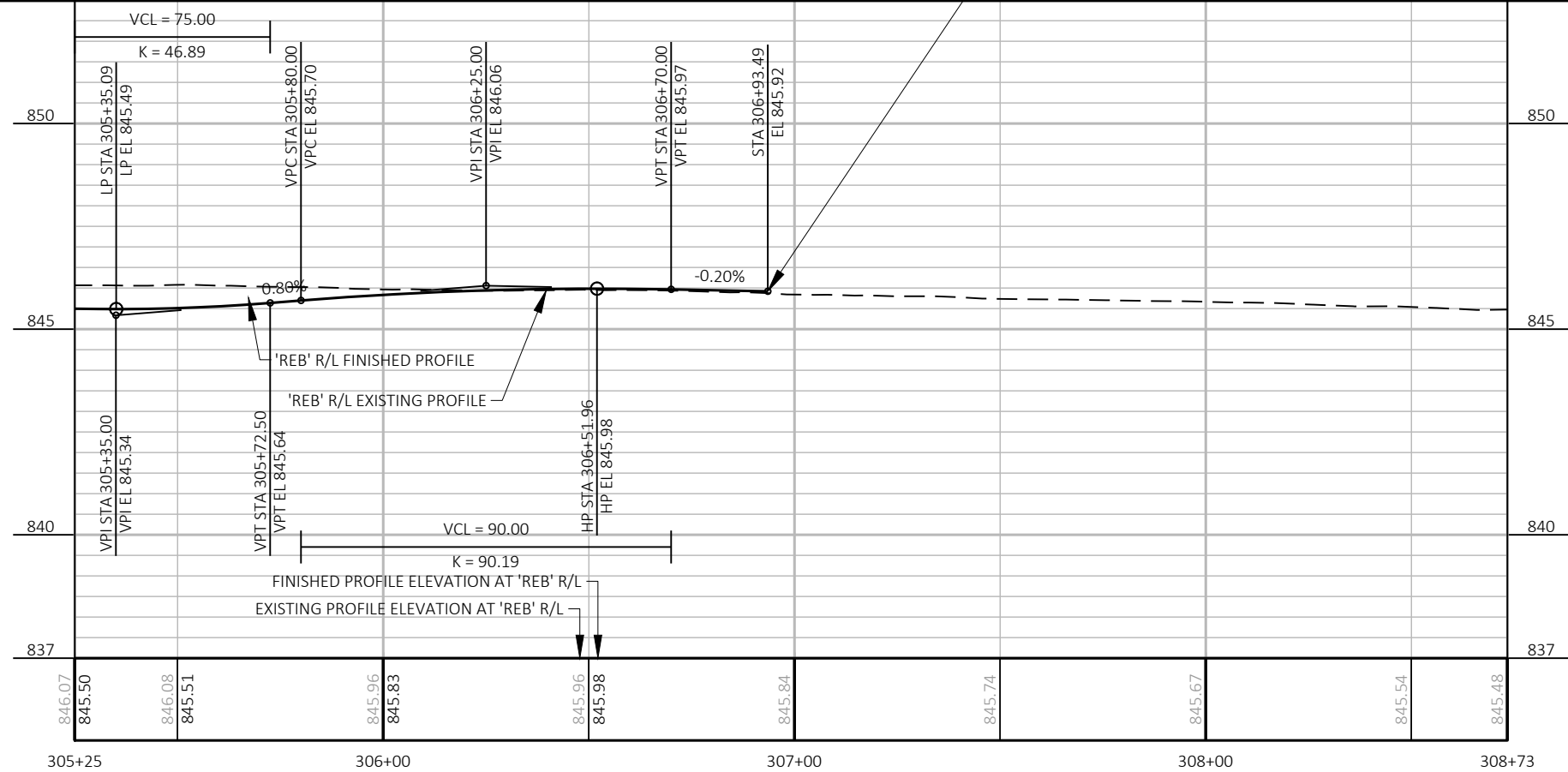


PROJECT NO:	2310-13-71	HWY:	EAGLE DRIVE	COUNTY:	WASHINGTON	PLAN AND PROFILE:	STH 60 EASTBOUND 'REB'	SHEET	E
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5



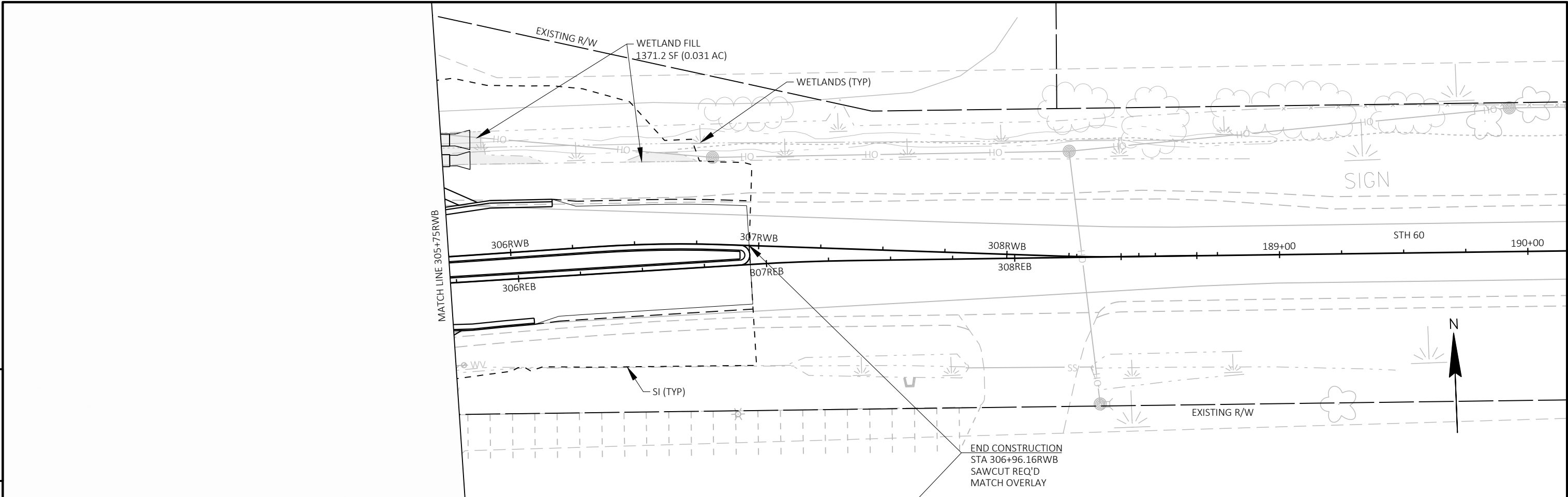
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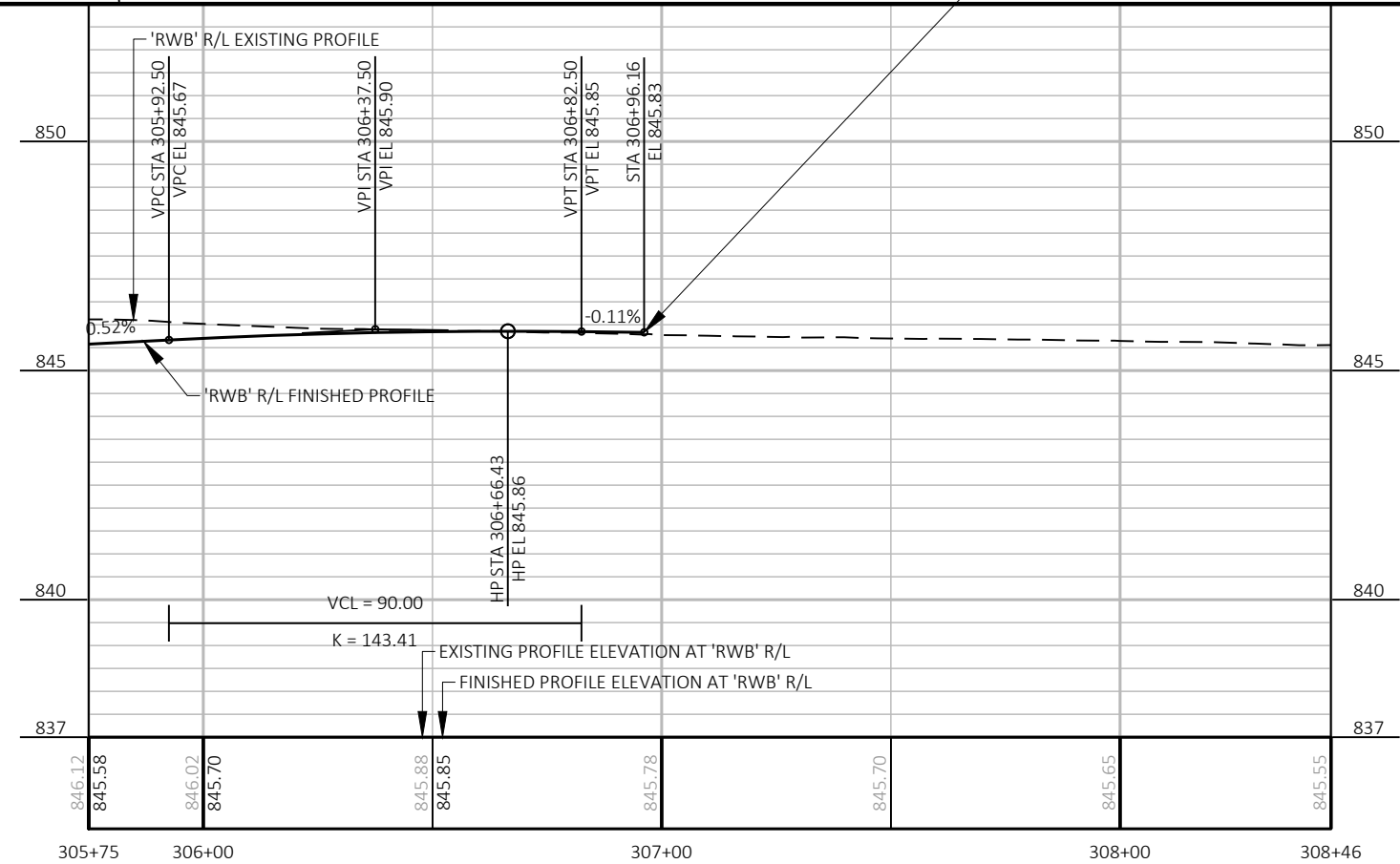
PROJECT NO: 2310-13-71	HWY: EAGLE DRIVE	COUNTY: WASHINGTON	PLAN AND PROFILE: STH 60 EASTBOUND 'REB'	SHEET	E
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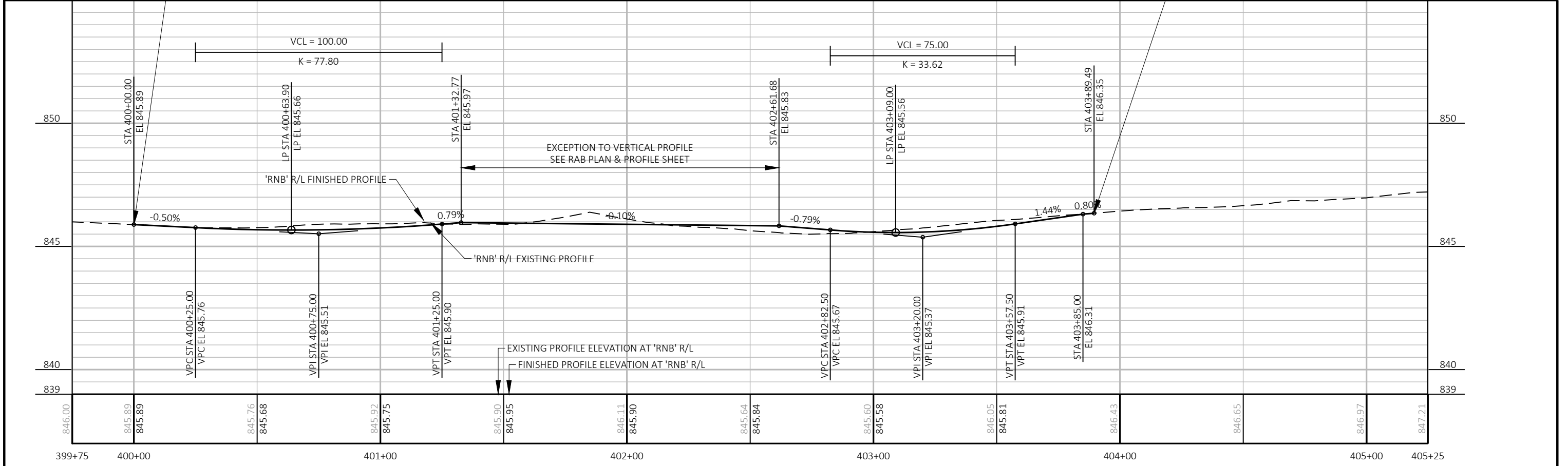
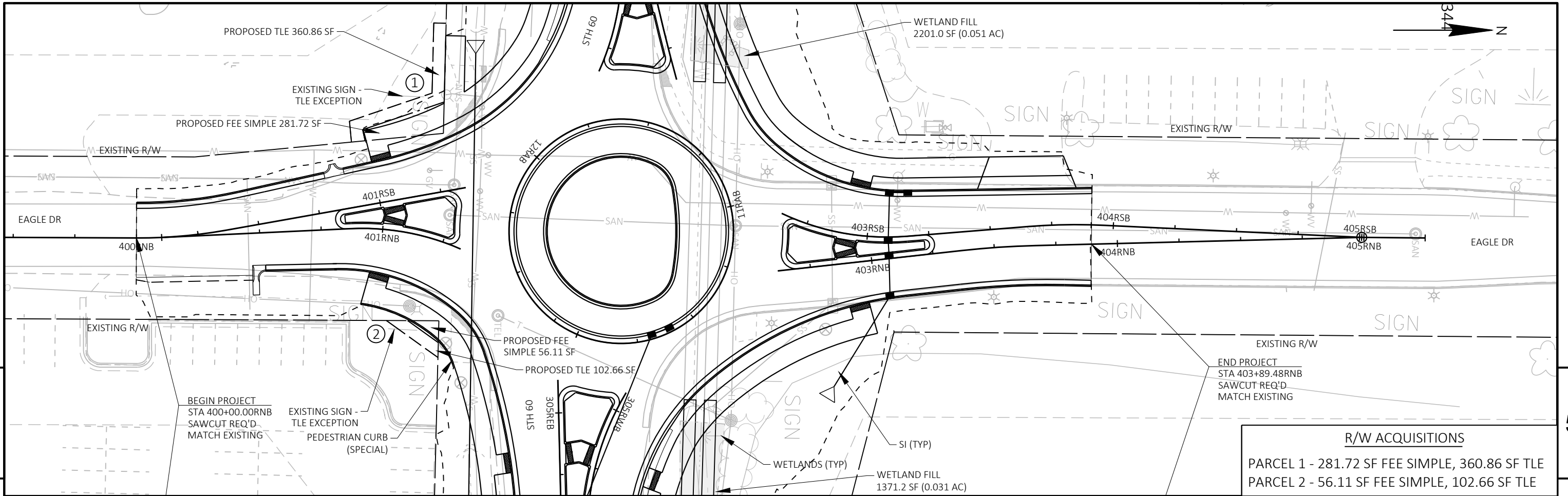
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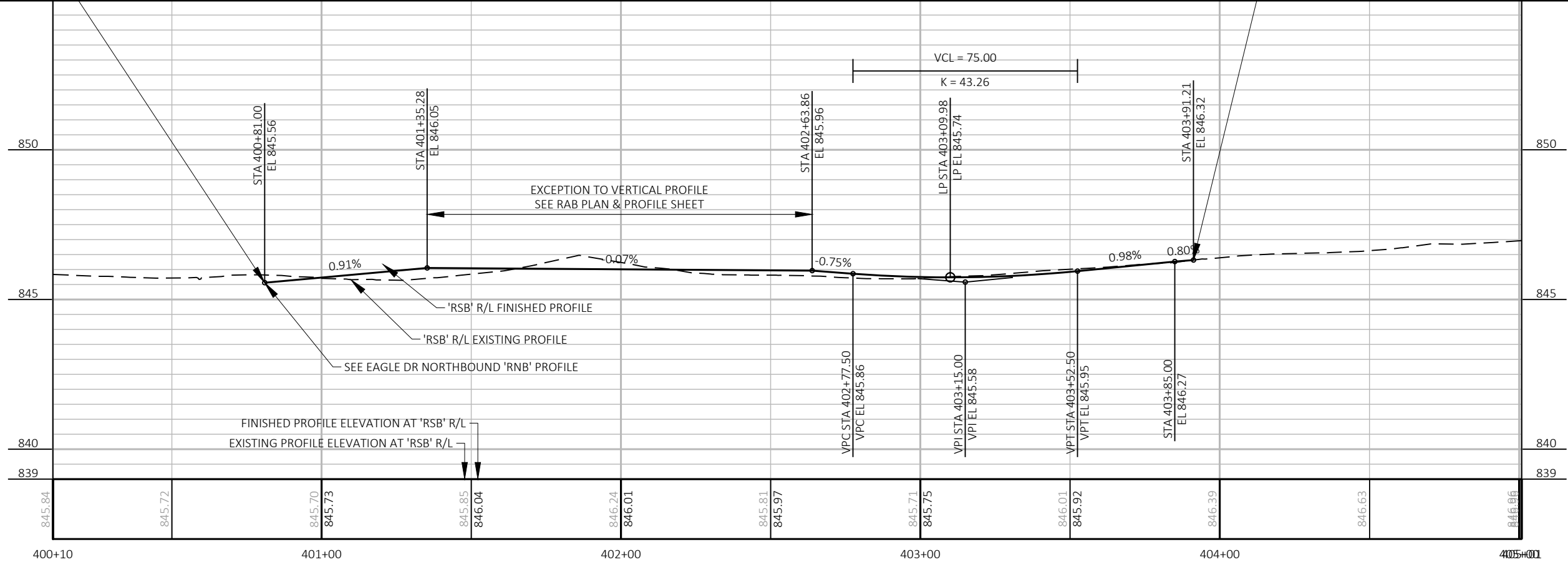
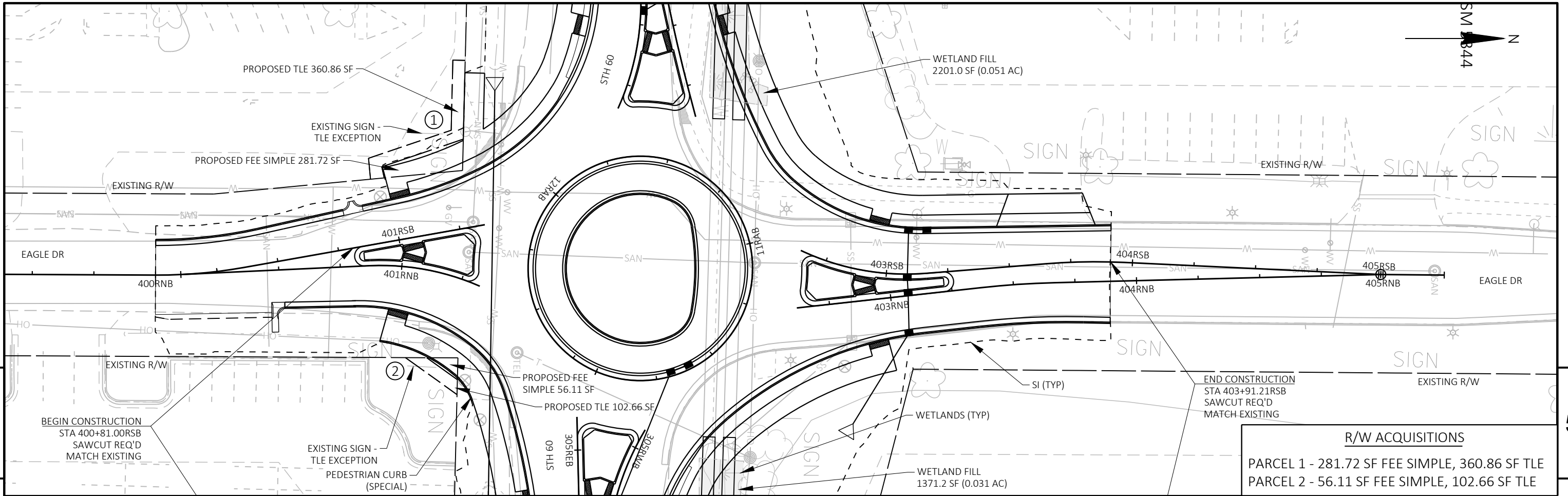


PROJECT NO: 2310-13-71	HWY: EAGLE DRIVE	COUNTY: WASHINGTON	PLAN AND PROFILE: STH 60 WESTBOUND 'RWB'	SHEET	E
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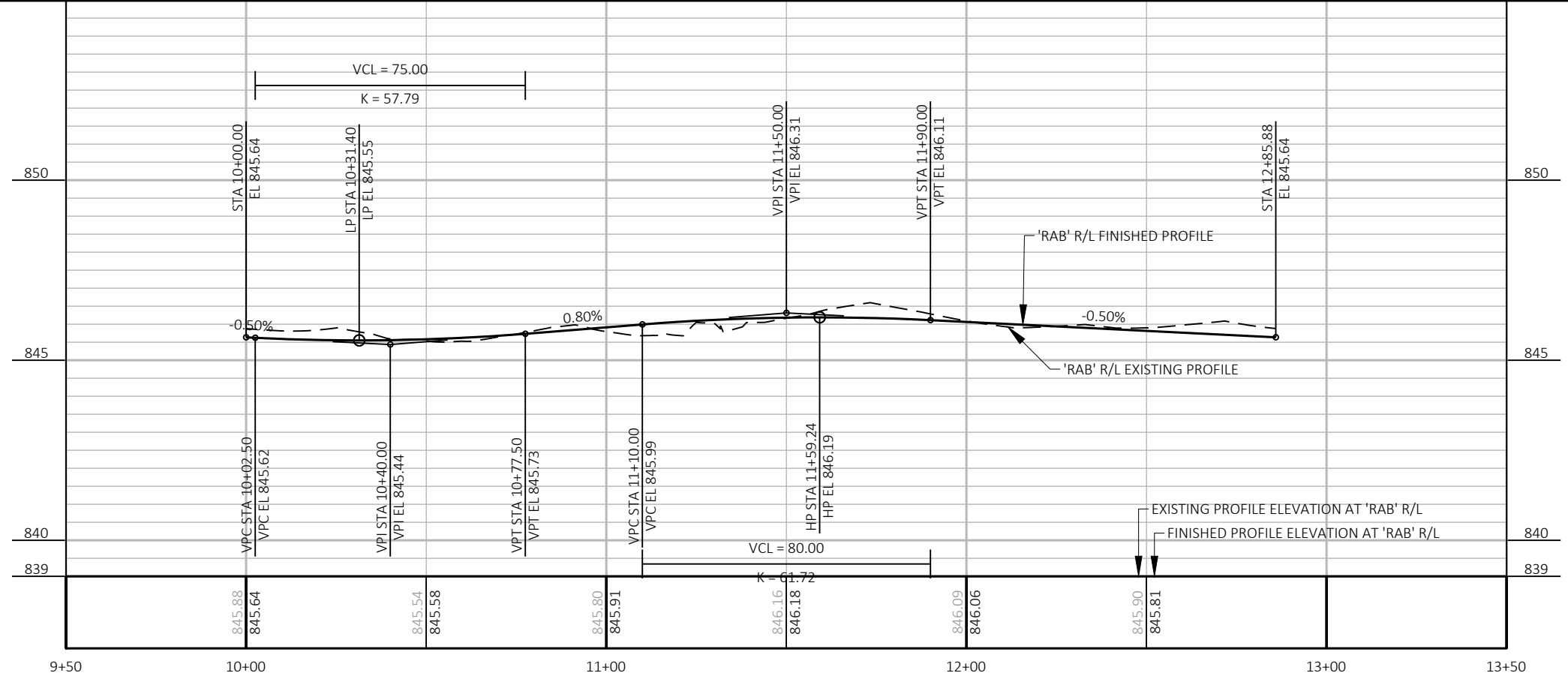
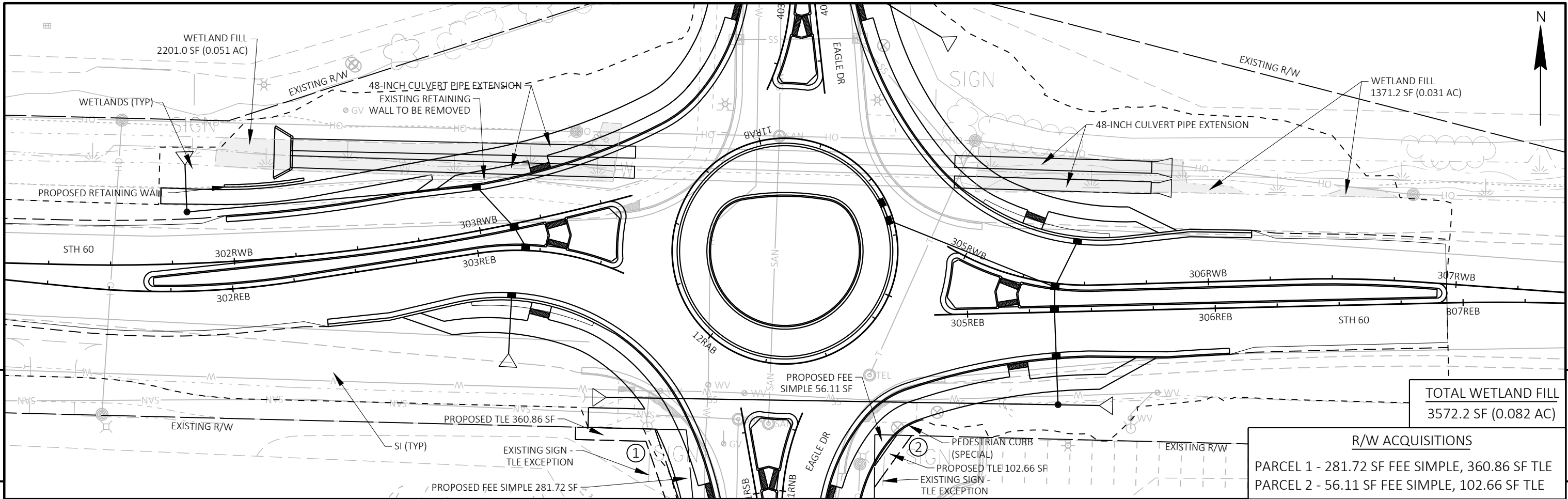


PROJECT NO: 2310-13-71	HWY: EAGLE DRIVE	COUNTY: WASHINGTON	PLAN AND PROFILE: EAGLE DR NORTHBOUND 'RNB'	SHEET 5
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PROJECT NO: 2310-13-71	HWY: EAGLE DRIVE	COUNTY: WASHINGTON	PLAN AND PROFILE: EAGLE DR SOUTHBOUND 'RSB'	SHEET	E
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PROJECT NO: 2310-13-71	HWY: EAGLE DRIVE	COUNTY: WASHINGTON	PLAN AND PROFILE: ROUNDABOUT 'RAB'	SHEET E
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GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-66-87" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

THE QUANTITY OF CONCRETE MASONRY, COATED REINFORCING STEEL, AND RUBBERIZED MEMBRANE WATERPROOFING FOR THE CAST-IN-PLACE COPING IS INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-66-87".

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-66-87".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

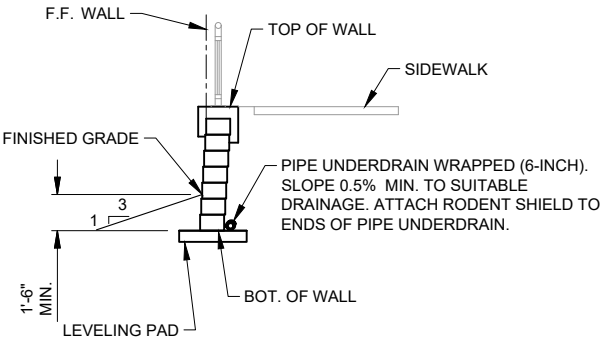
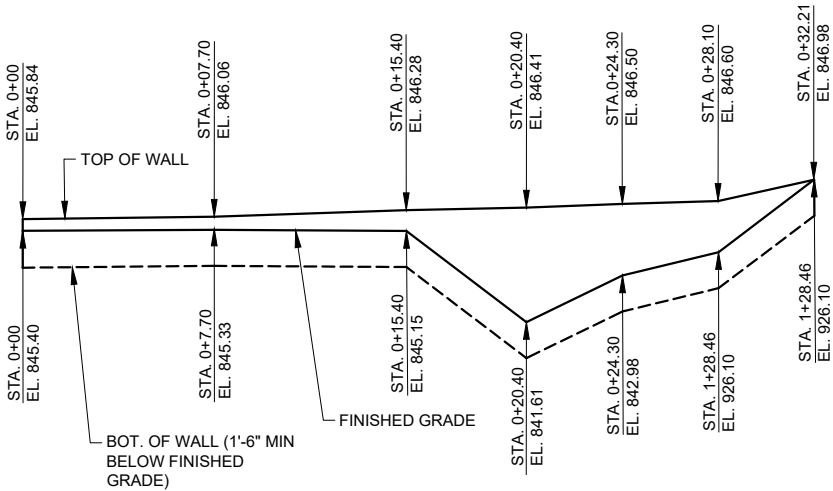
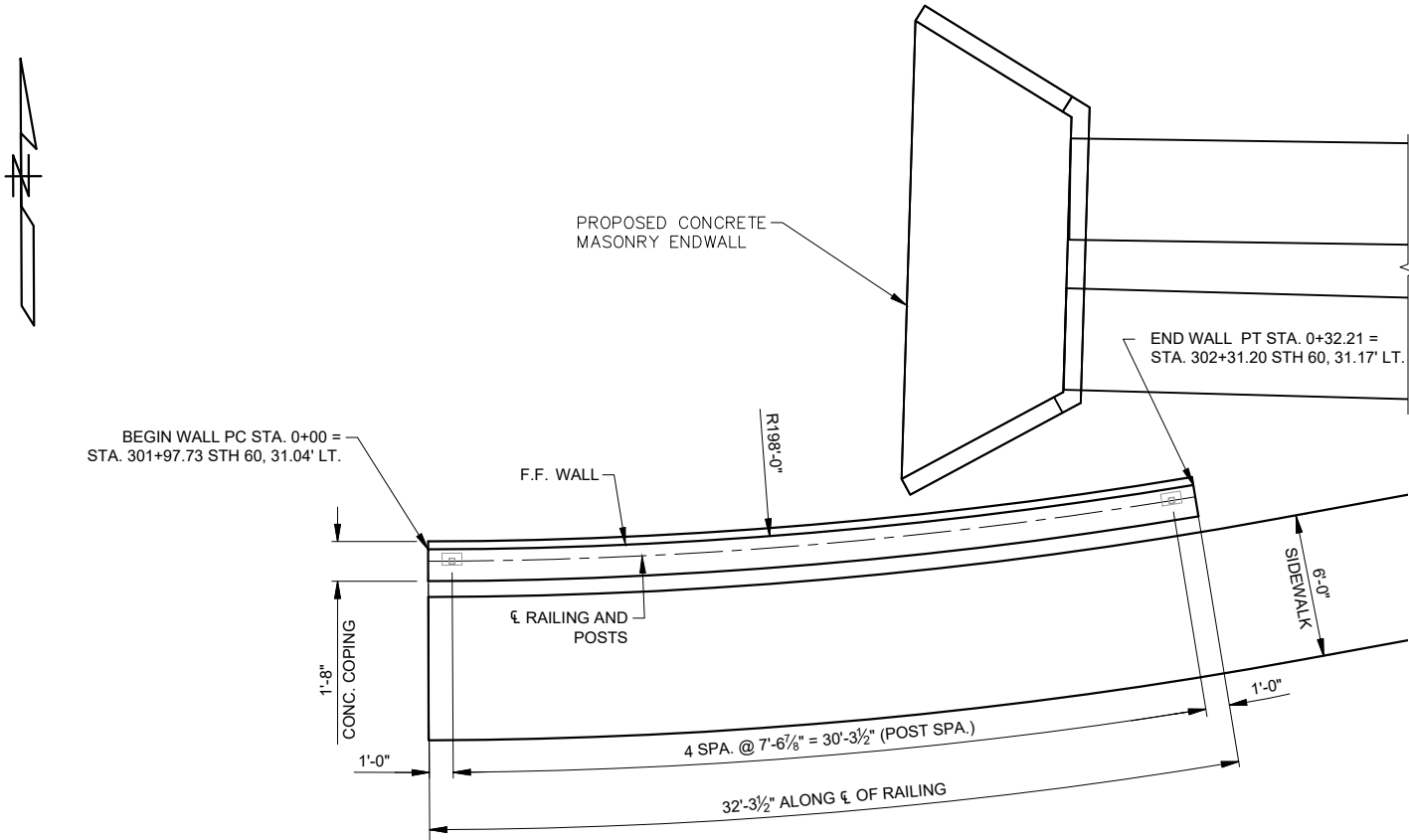
THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS AND THE GEOMETRY SHOWN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 2 FEET.

LIST OF DRAWINGS

- 1. GENERAL PLAN
- 2. WALL DETAILS
- 3. SOILS EXPLORATION
- 4. RAILING STEEL TYPE C2



TOTAL ESTIMATED QUANTITIES			
ITEM NUMBER	BID ITEM	UNIT	TOTAL
203.0220	REMOVING STRUCTURE R-66-87	EA	1
513.8011	RAILING STEEL PEDESTRIAN TYPE C2	LF	31
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	35
SPV.0165.01	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-66-87	SF	106

DESIGN CONSULTANT

TOM ROMENESKO, PE  
(608) 566-1370

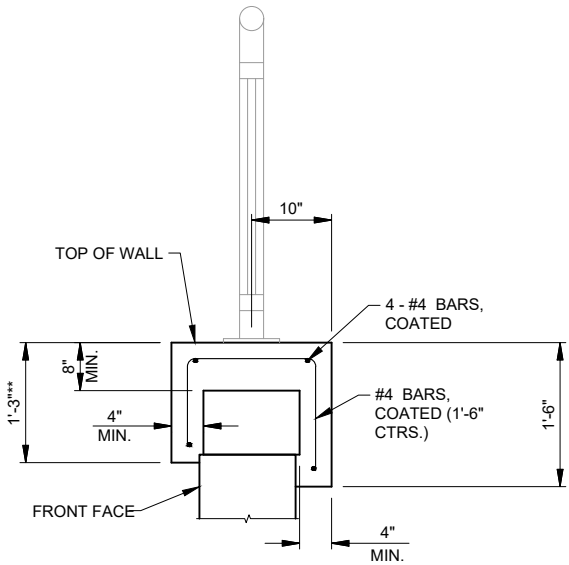
BRIDGE OFFICE CONTACT

AARON BONK, PE  
(608) 261-0261

NO.	DATE	REVISION	BY
DAAR ENGINEERING, INC. www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		CHIEF STRUCTURES DESIGN ENGINEER	DATE
STRUCTURE R-66-87			
WALL AT STH 60 AND EAGLE DR. INTERSECTION			
COUNTY	WASHINGTON	TOWNSHIP/VILLAGE	JACKSON
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MC	DESIGN CK'D. TR	DRAWN BY MC PLANS CK'D. TR
GENERAL PLAN			SHEET 1 OF 4

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	6.3
EXPOSED WALL HEIGHT (FEET)	4.8
MINIMU LENGTH OF REINFORCEMENT (FEET)	6.0
LENGTH OF REINFORCEMENT TO HEIGHT RATIO ²	0.95
APPROXIMATE WALL STATION	0+20.40
CAPACITY TO DEMAND RATION (CDR) ³	
SLIDING (CDR >1.0)	1.17
ECCENTRICITY (CDR >1.0)	1.59
OVERALL STABILITY (CDR>1.0)	1.49
BEARING RESISTANCE (CDR>1.0)	2.16
FACTORED BEARING RESISTANCE (PSF)	4000
NOTES:	
1. THE WALL HEIGHT INCLUDES AN EMBEDDMENT OF 1.5 FEET.	
2. THE MINIMUM REQUIRED REINFORCEMENT LENGTH IS THE GREATER OF 0.7 OF WALL HEIGHT OR 6 FEET.	
3. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE OF 240 PSF.	
4. GLOBAL STABILITY WAS EVALUATED AT ON CRITICAL WALL LOCATION, AT A POINT OF HIGHEST WALL HEIGHT.	
5. CDR REQUIREMENTS AND LOAD AND RESISTANCE FACTORS ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.	



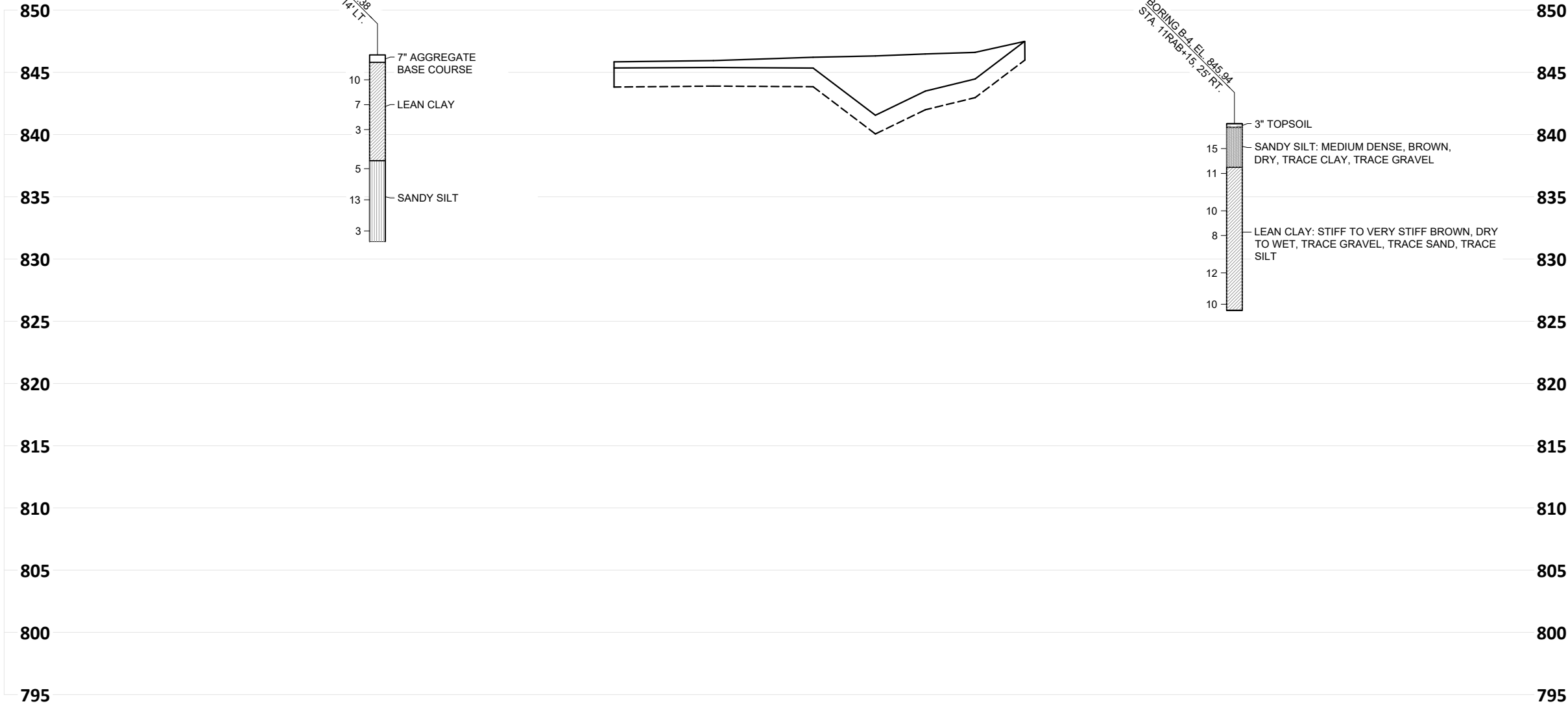
COPING DETAIL

** THIS DIMENSION MAY CHANGE DEPENDING ON HEIGHT OF BLOCKS. THIS DIMENSION TO BE CONSTANT FOR ENTIRE LENGTH OF WALL. MAXIMUM ALLOWABLE HEIGHT OF BLOCKS TO BE 9 INCHES.

SOIL PARAMETERS

SOIL DESCRIPTION	UNIT WEIGHT (PCF)	FRICTION ANGLE (DEG.)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	34	0
SANDY SILTS RETAINED SOIL *	120	28	0
LEAN CLAYS 841.6 - 831.4	135	0	1750

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE R-66-87			
DRAWN BY TR		PLANS CKD. MC	
WALL DETAILS		SHEET 2 OF 4	



STATE PROJECT NUMBER

2310-13-71

MATERIAL SYMBOLS

Asphalt

Concrete

Sand

Boulders or Cobbles

Shale

Topsoil

Fill

Clay

Limestone

Sandstone

Peat

Gravel

Silt

Bedrock (unknown)

Igneous/meta

LEGEND OF BORING

BORING/EL. STA./OFFSET

ST

0.25

(1) 17

(2)

F-C COBBLE OR BOULDER

WEATHERED LIMESTONE

CORE RUN #1 - 24'-29'

REC=80%, RQD=72%

(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE SPECIFIED, THE SPT 'N' VALUE IS BASED ON AASHTO T-206 STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATIONS

AT TIME OF DRILLING

END OF DRILLING

AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COURSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE R-66-87			
DRAWN BY TR		PLANS CK'D. MC	
SOILS EXPLORATION		SHEET 3 OF 4	

8

\$\$\$....designfile....\$\$\$

\$\$\$...plottingdate...\$\$\$



LEGEND

- (1B) PLATE  $\frac{5}{8}$ " X 6" X 10" WITH  $\frac{3}{4}$ " X  $\frac{1}{2}$ " SLOTTED HOLES.
- (2B)  $\frac{1}{4}$ " X 5" X 9" ANCHOR PLATE WITH  $\frac{1}{16}$ " HOLES FOR ANCHOR BOLTS NO. 3.
- (3)  $\frac{5}{8}$ " DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATE ANCHORAGE: CONCRETE ADHESIVE ANCHORS  $\frac{5}{8}$ -INCH. EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.
- (4B) STRUCTURAL TUBING 3" X 3" X  $\frac{3}{16}$ ". PLACE VERTICAL. WELD TO NO. 1 & 5.
- (5B) STRUCTURAL TUBING 3" X 2" X  $\frac{3}{16}$ " RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION JOINTS.
- (5C)  $2\frac{1}{2}$ " DIA. STANDARD PIPE RAIL (2.875" O.D.). WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION JOINTS.
- (6A) STRUCTURAL TUBING 1" X 1" X  $\frac{1}{8}$ " PICKETS. WELD TO NO. 5. SPACE AT 6" MAX.  $\phi$  TO  $\phi$  SPACING. PLACE VERTICAL.
- (9A) RECTANGULAR SLEEVE FABRICATED FROM  $\frac{3}{16}$ " PLATES. PROVIDE "SLIDING FIT".
- (9B) CIRCULAR SLEEVE FABRICATED FROM 2" DIA. (STANDARD SIZE) (2.375" O.D.).
- (10A) RECTANGULAR SLEEVE FABRICATED FROM  $\frac{3}{16}$ " PLATES. (1'-4" AT FIELD ERECTION JTS.)
- (10B) CIRCULAR SLEEVE FABRICATED FROM 2" DIA. (STANDARD SIZE) (2.375" O.D.). (1'-4" AT FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C2", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

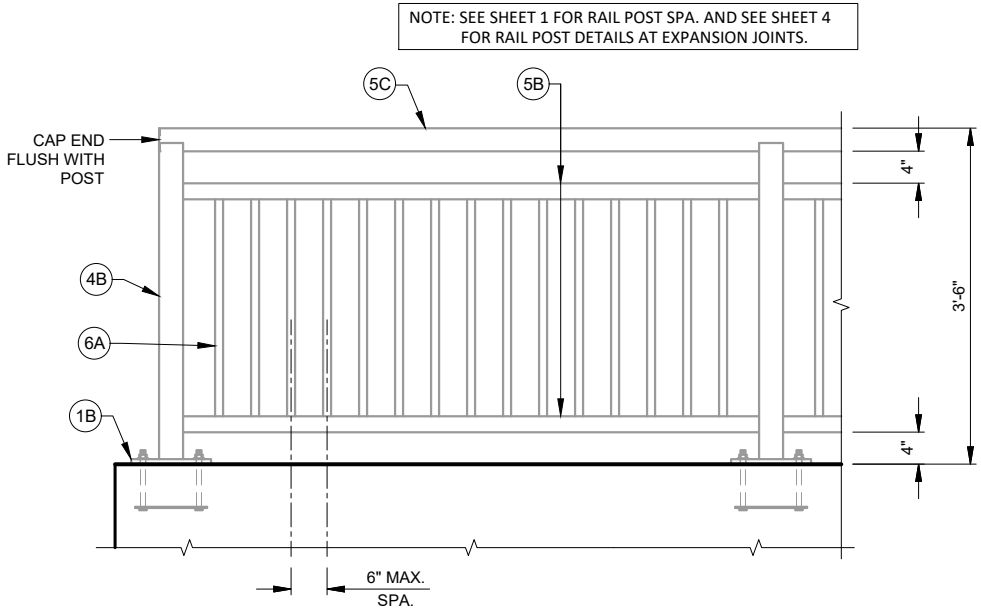
ALL JOINTS AND RECESSES IN CONCRETE COPING ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038, BLACK.

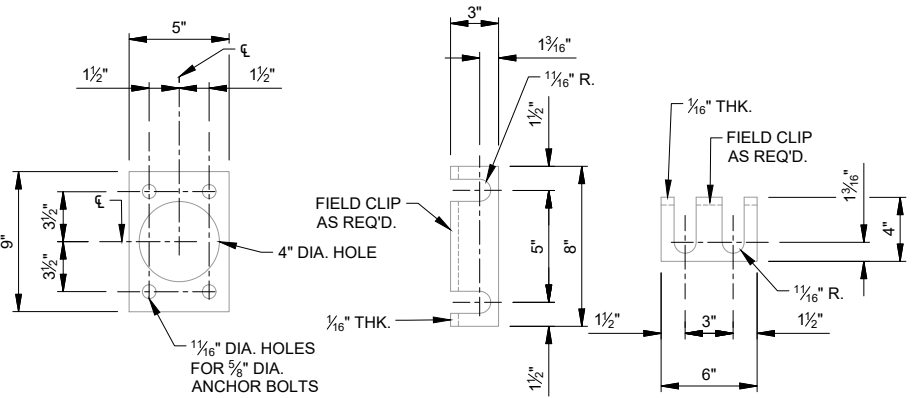
VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

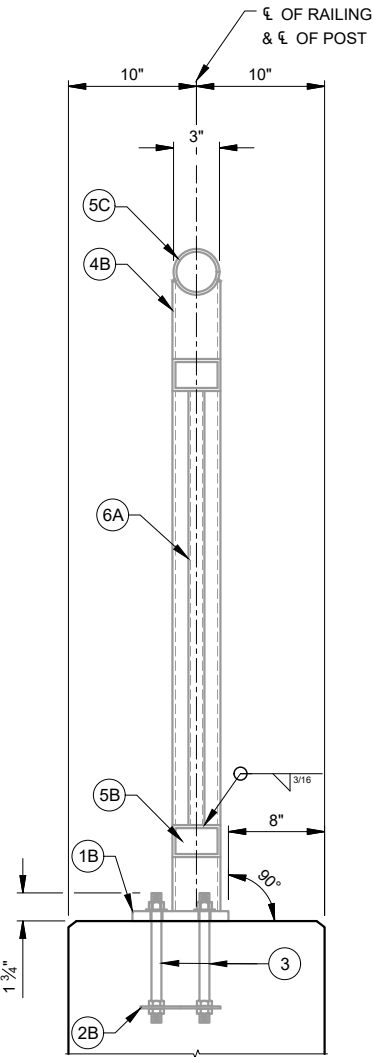


TYPICAL PART ELEVATION  
(SHOWING TYPICAL END OF RAILING DETAIL AT WEST END OF WALL)

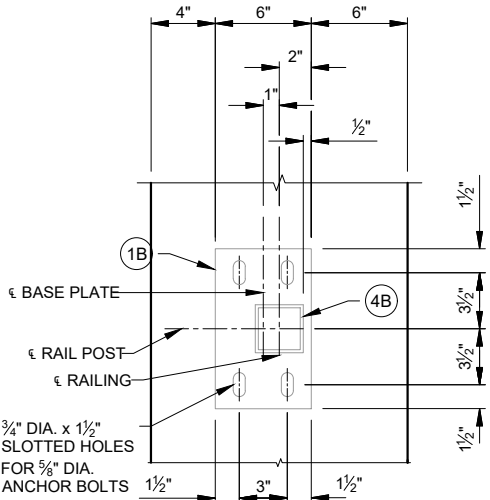


ANCHOR PLATE

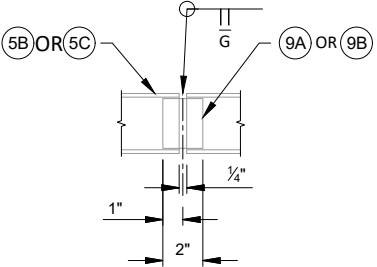
RAIL POST SHIM DETAIL  
(2 SETS PER POST)



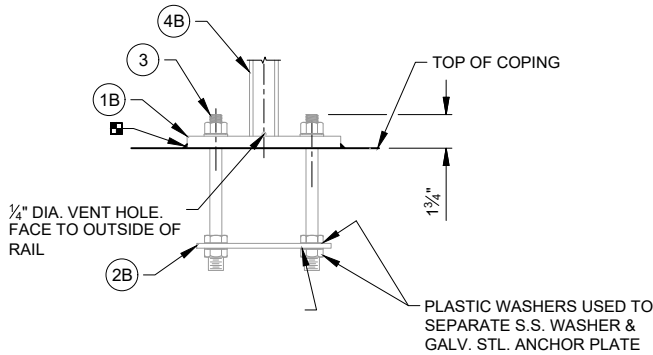
SECTION THRU RAILING ON COPING  
(LOOKING EAST)



TYPICAL RAIL POST BASE PLATE

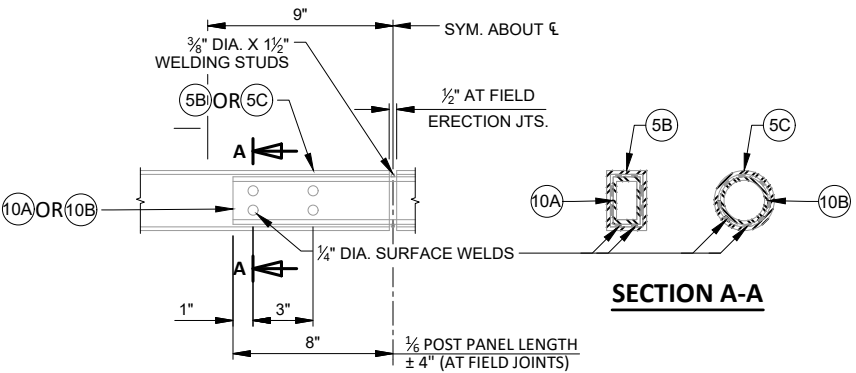


SHOP RAIL SPLICE DETAIL  
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



ANCHOR BOLTS FOR RAIL POSTS

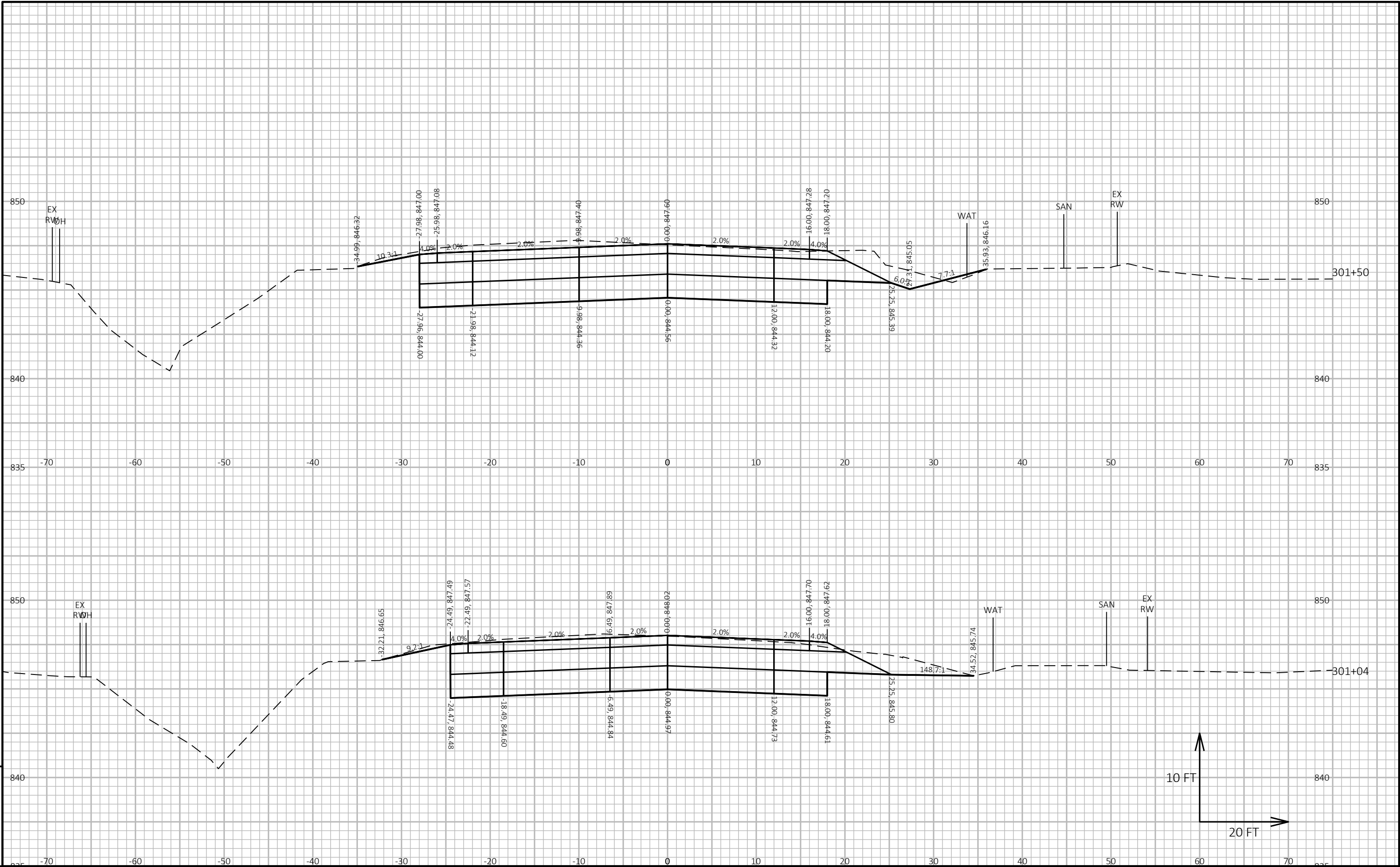
NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

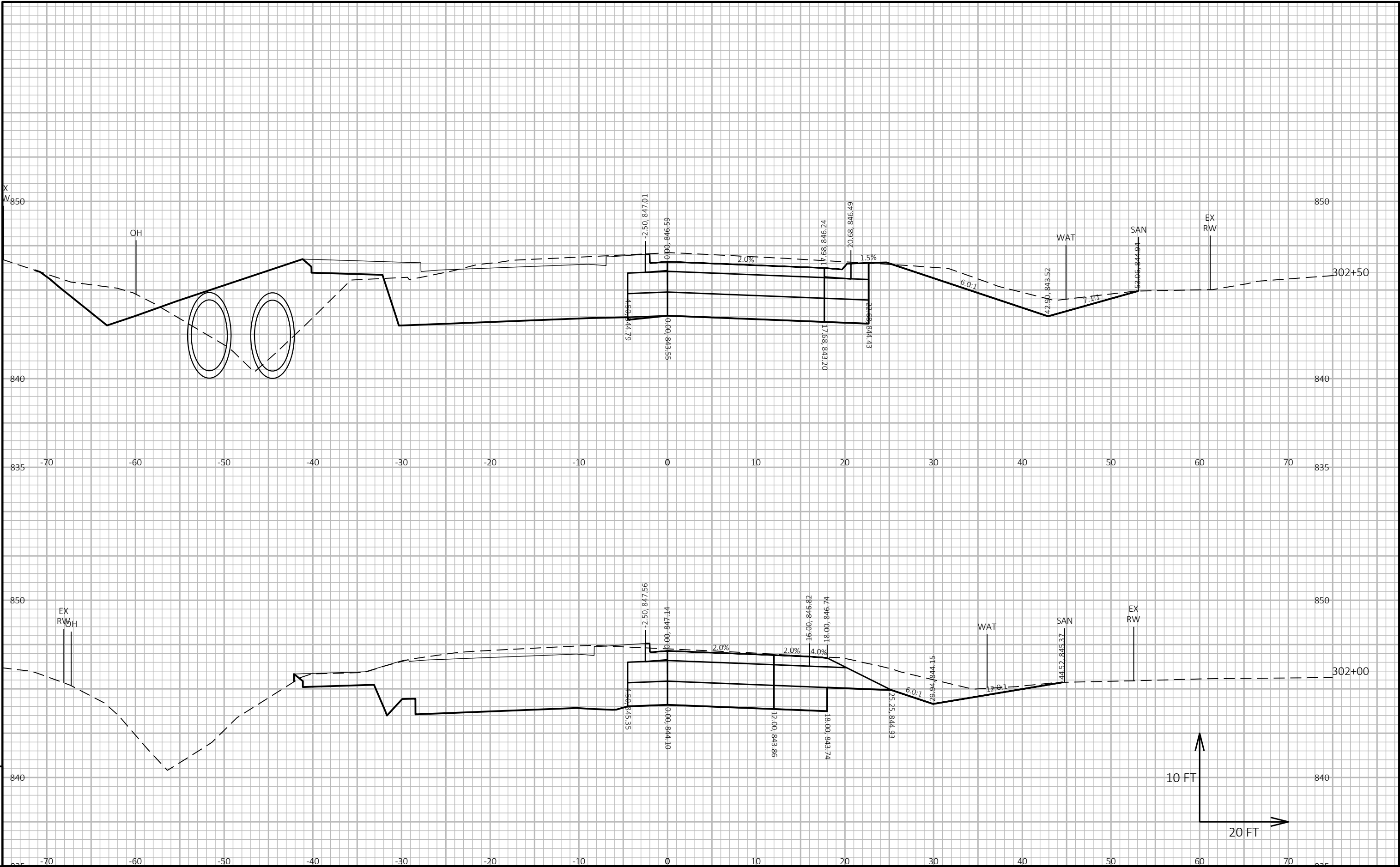


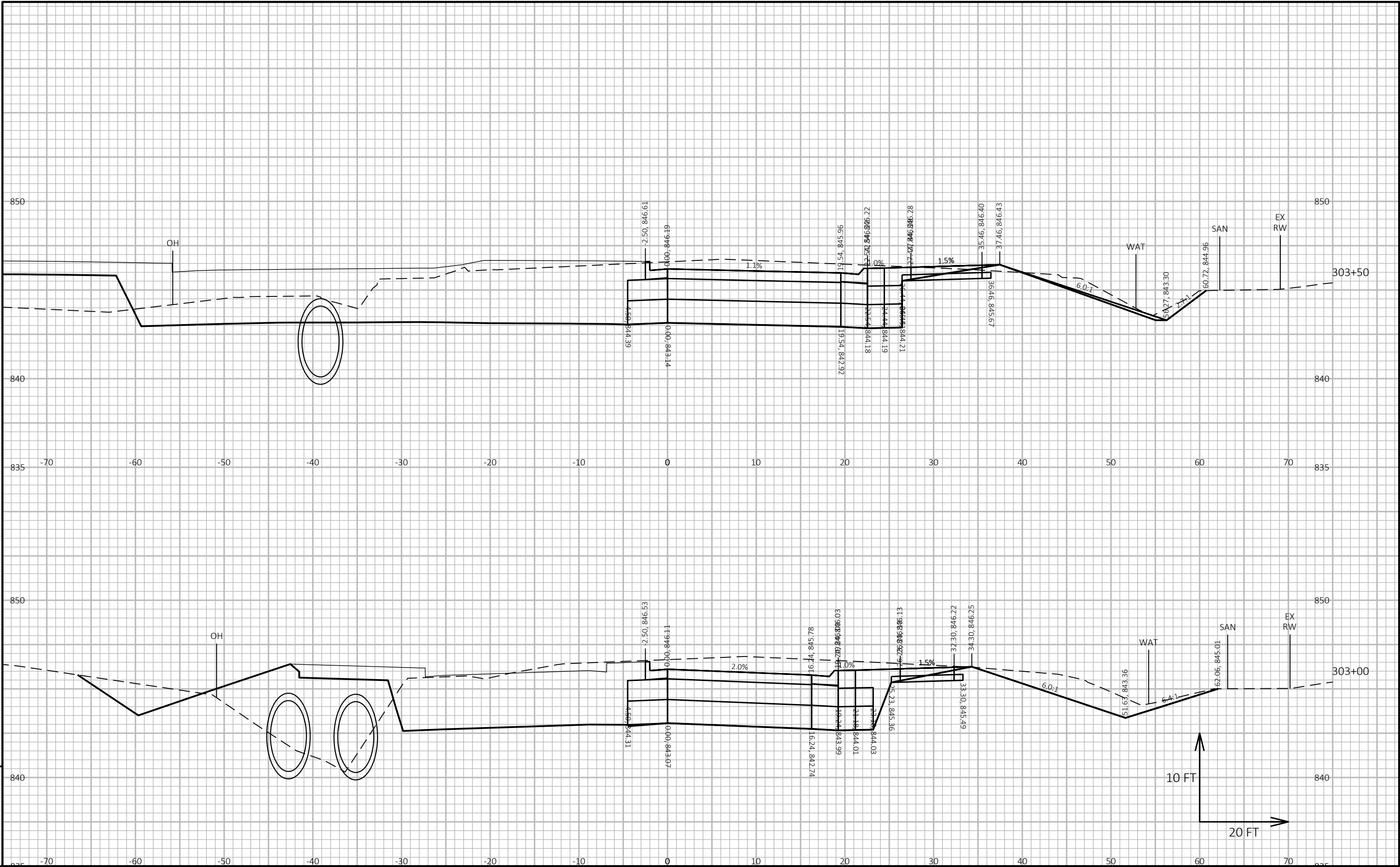
FIELD ERECTION JOINT DETAIL

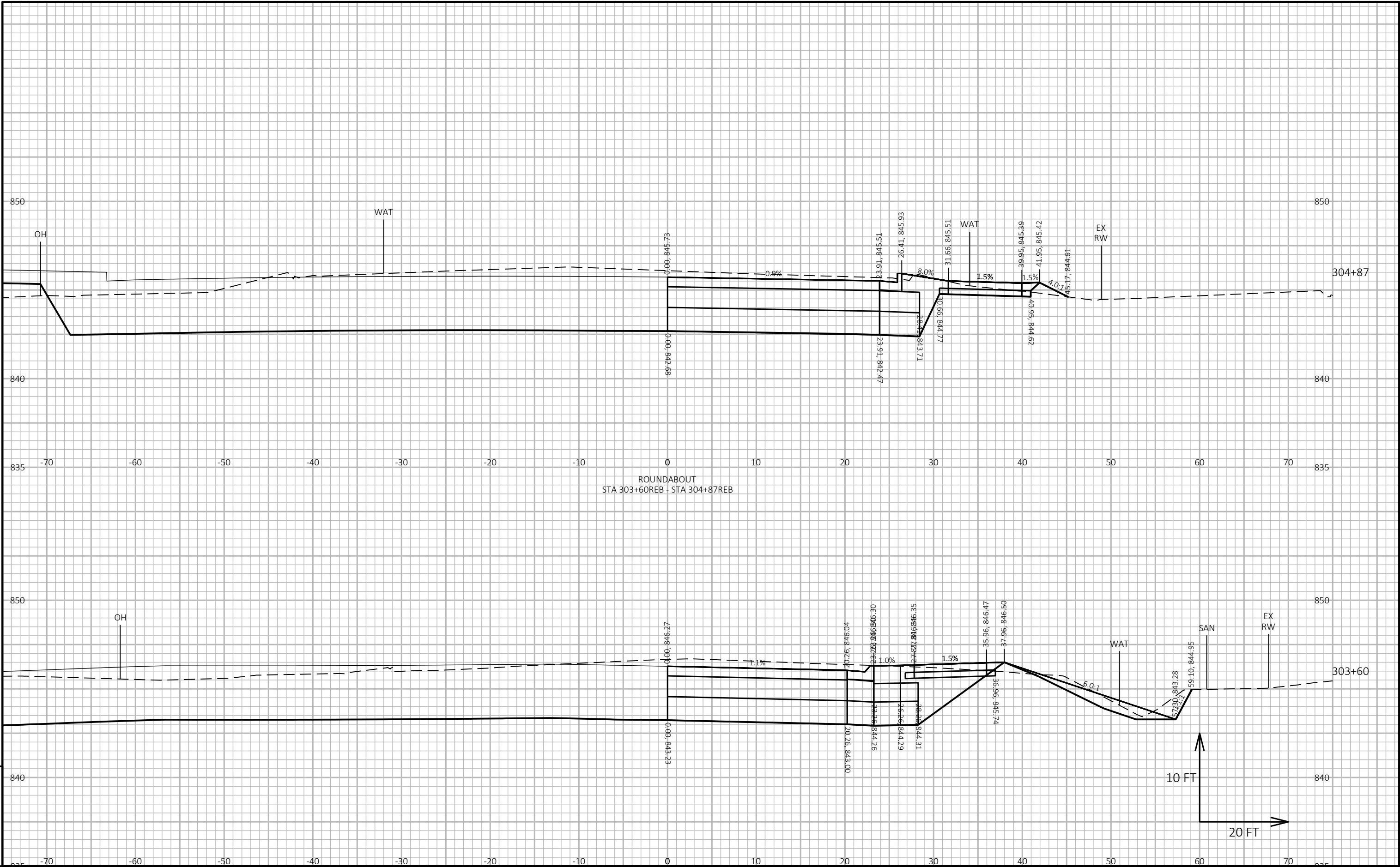
★ MIN.  $\frac{5}{8}$ " FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE R-66-87			
DRAWN BY TR		PLANS CKD. MC	
RAILING STEEL TYPE C2		SHEET 4 OF 4	







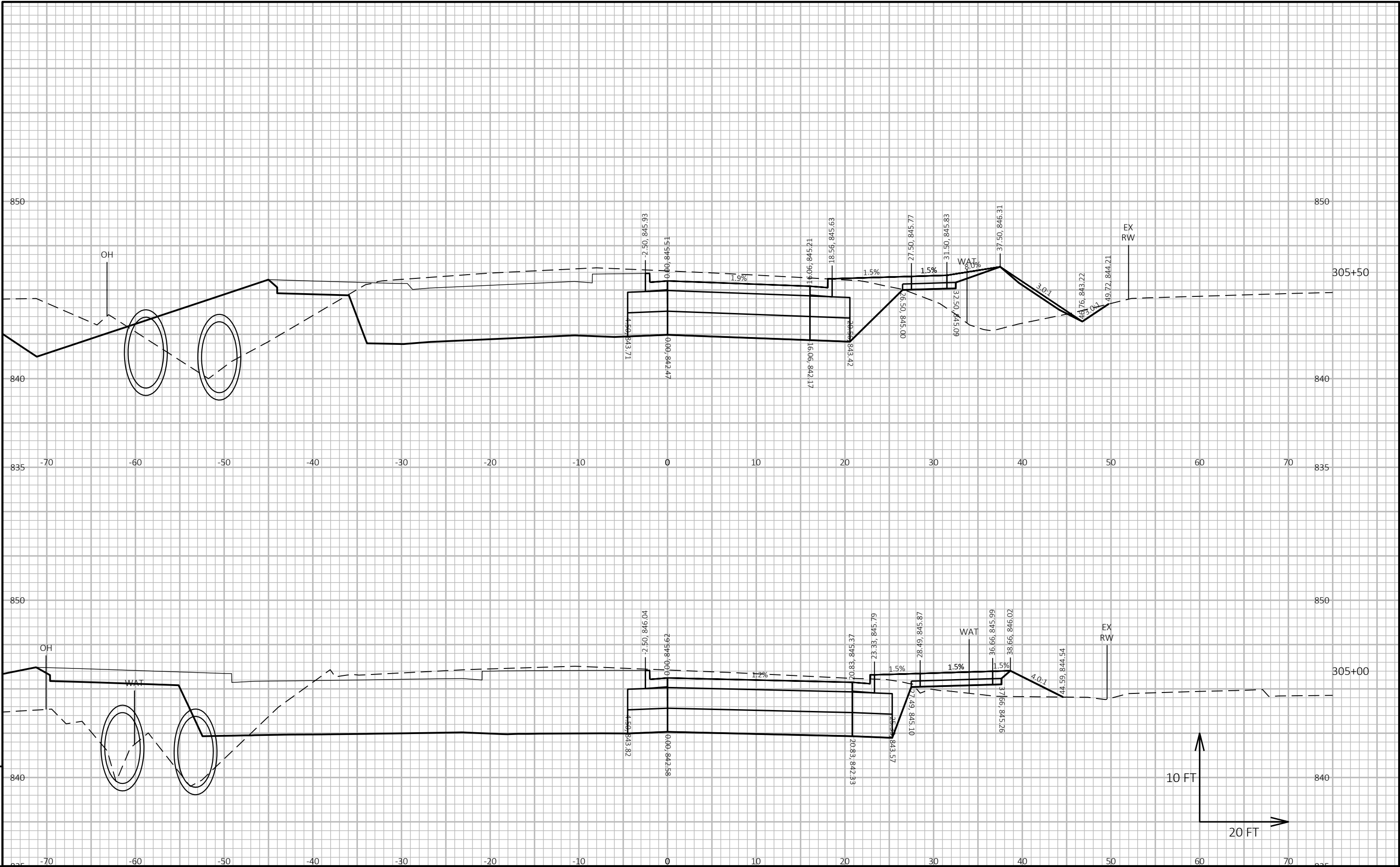


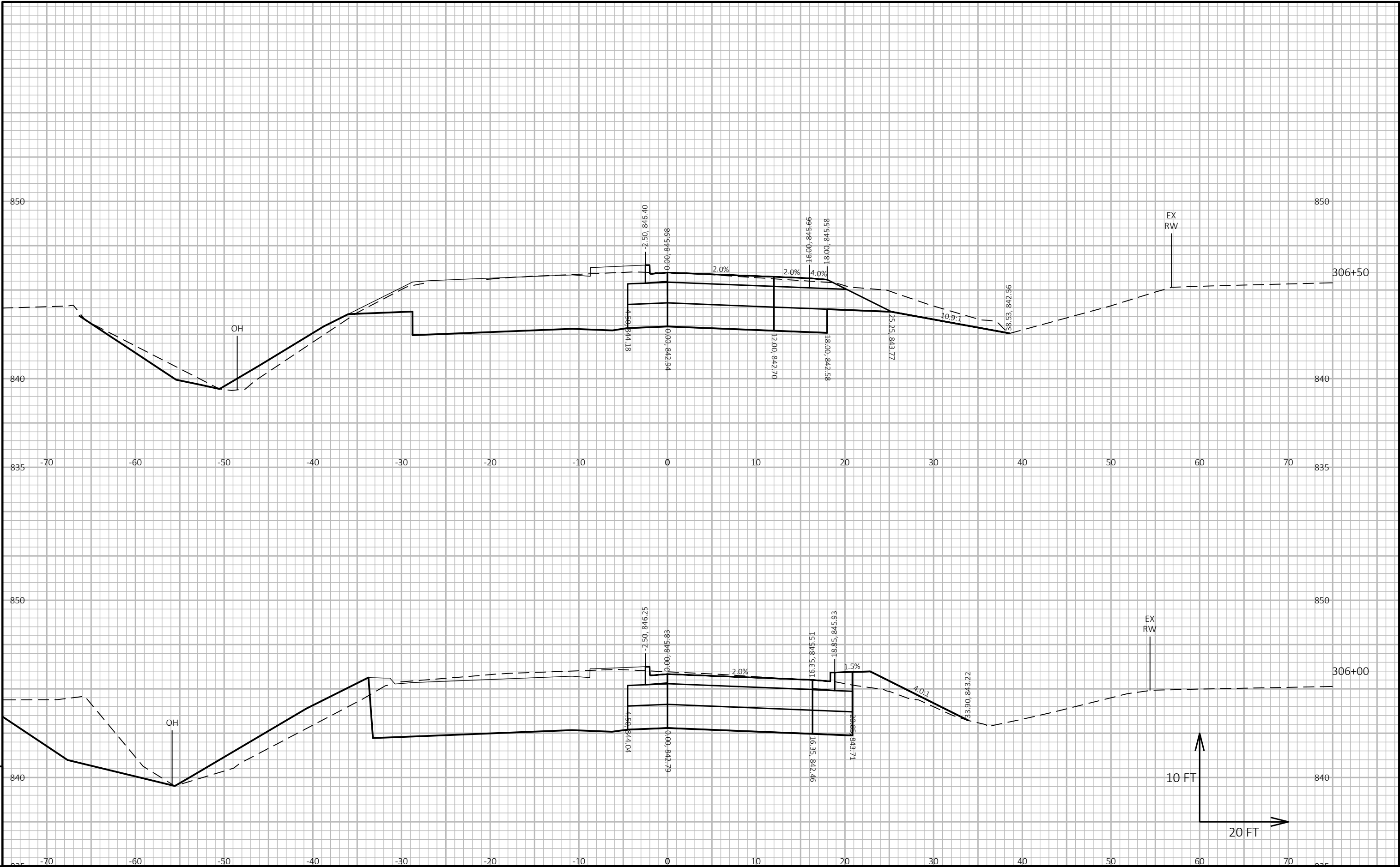
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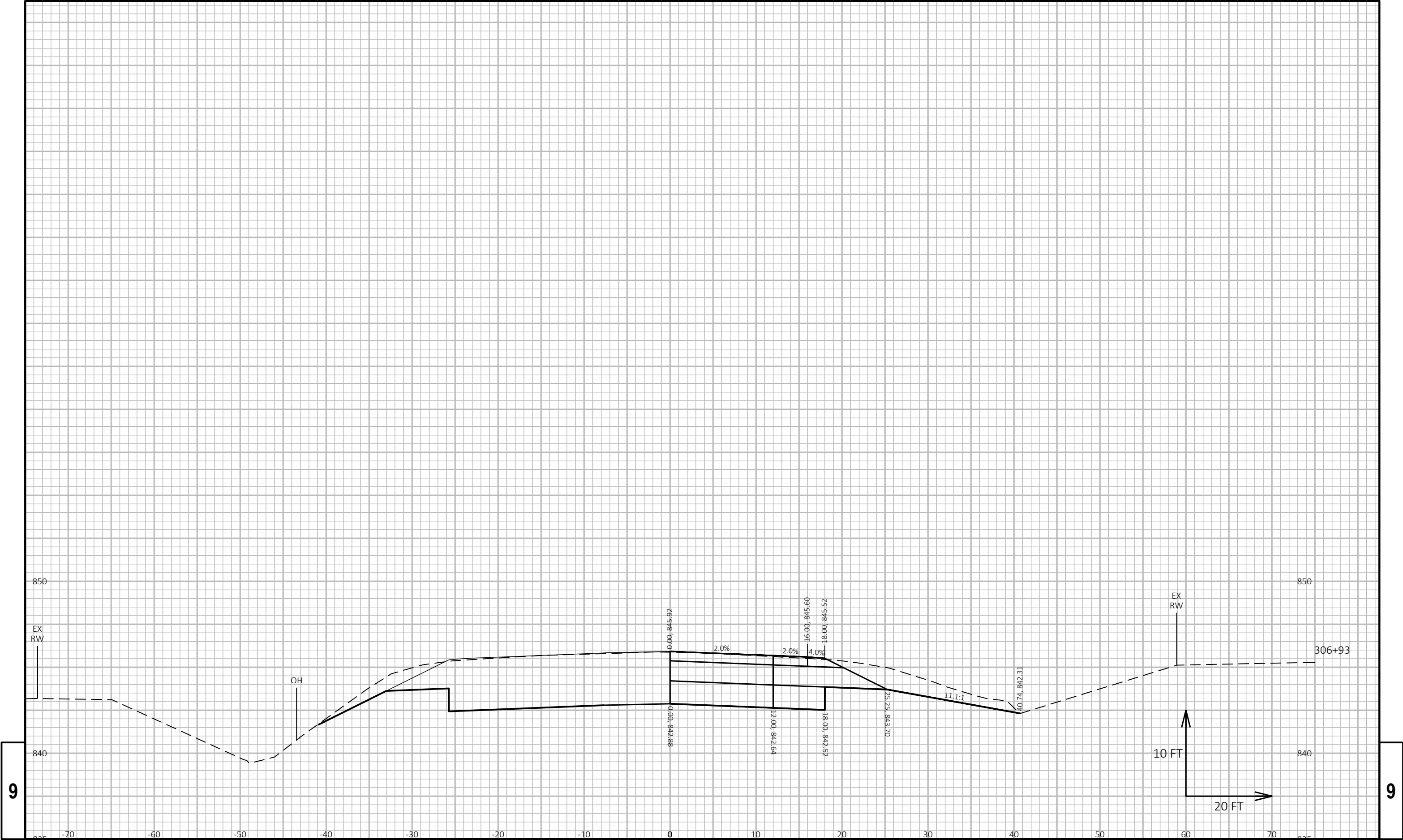
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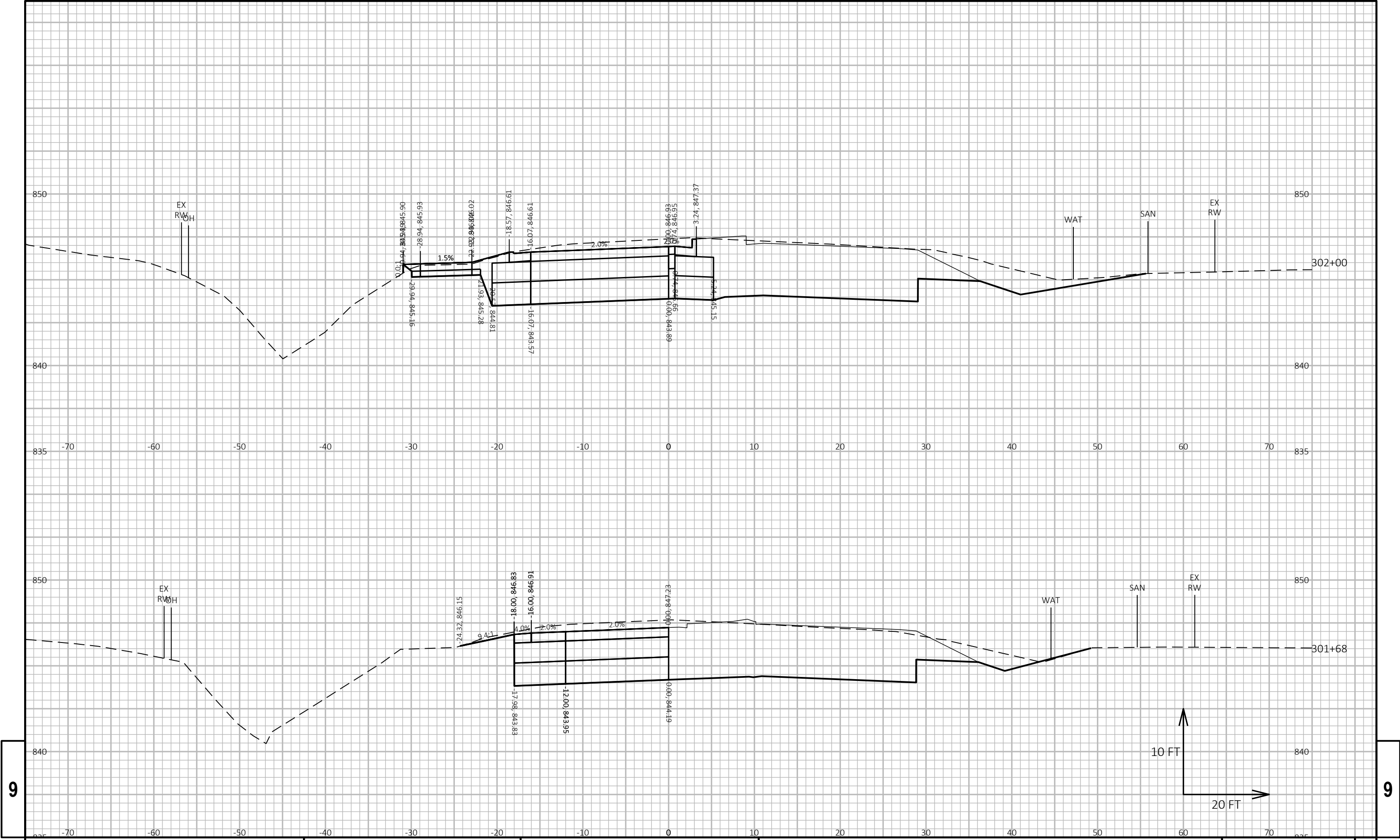
PROJECT NO: 2310-13-71	HWY: EAGLE DRIVE	COUNTY: WASHINGTON	CROSS SECTIONS: STH 60 EASTBOUND 'REB'	SHEET E
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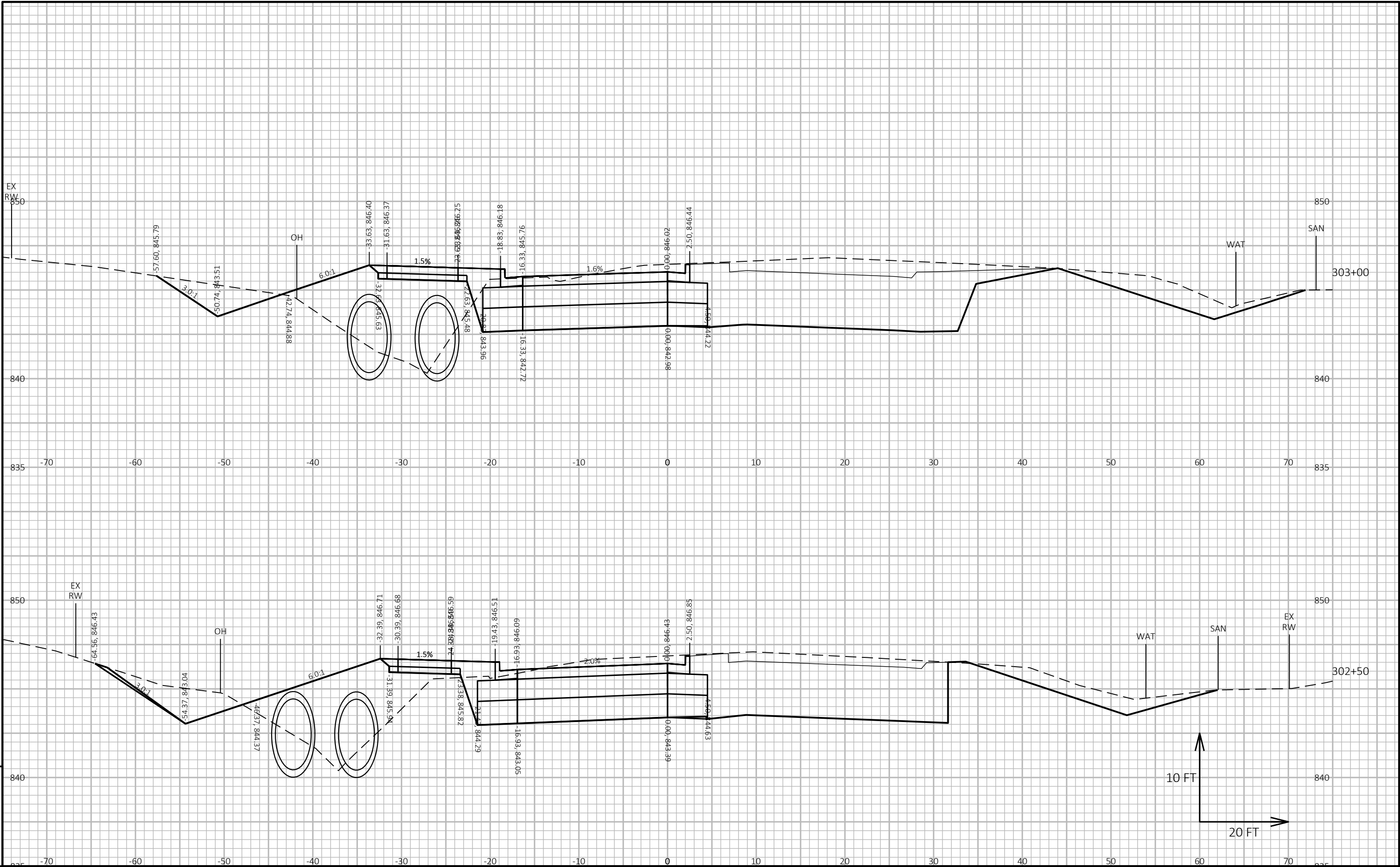






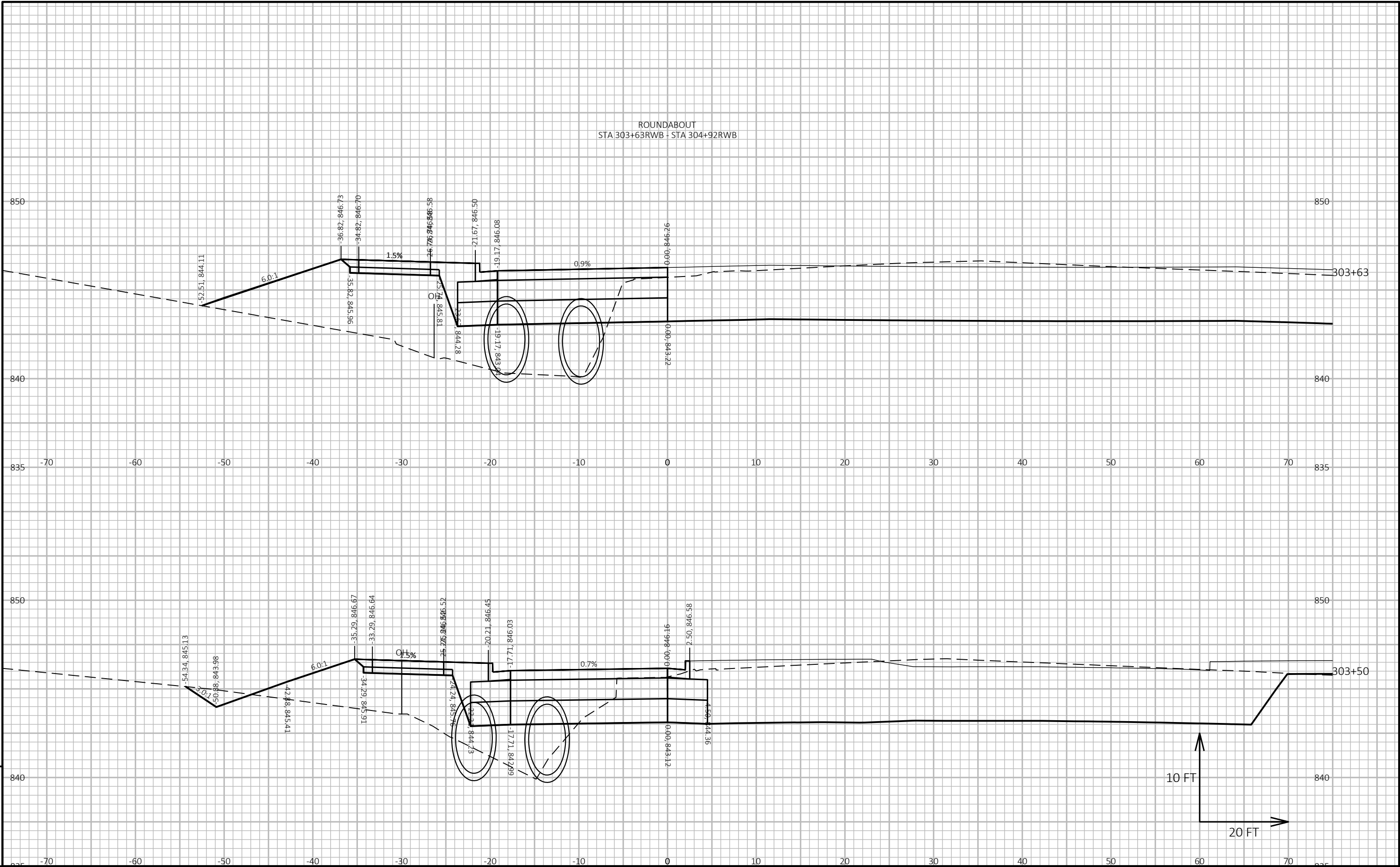




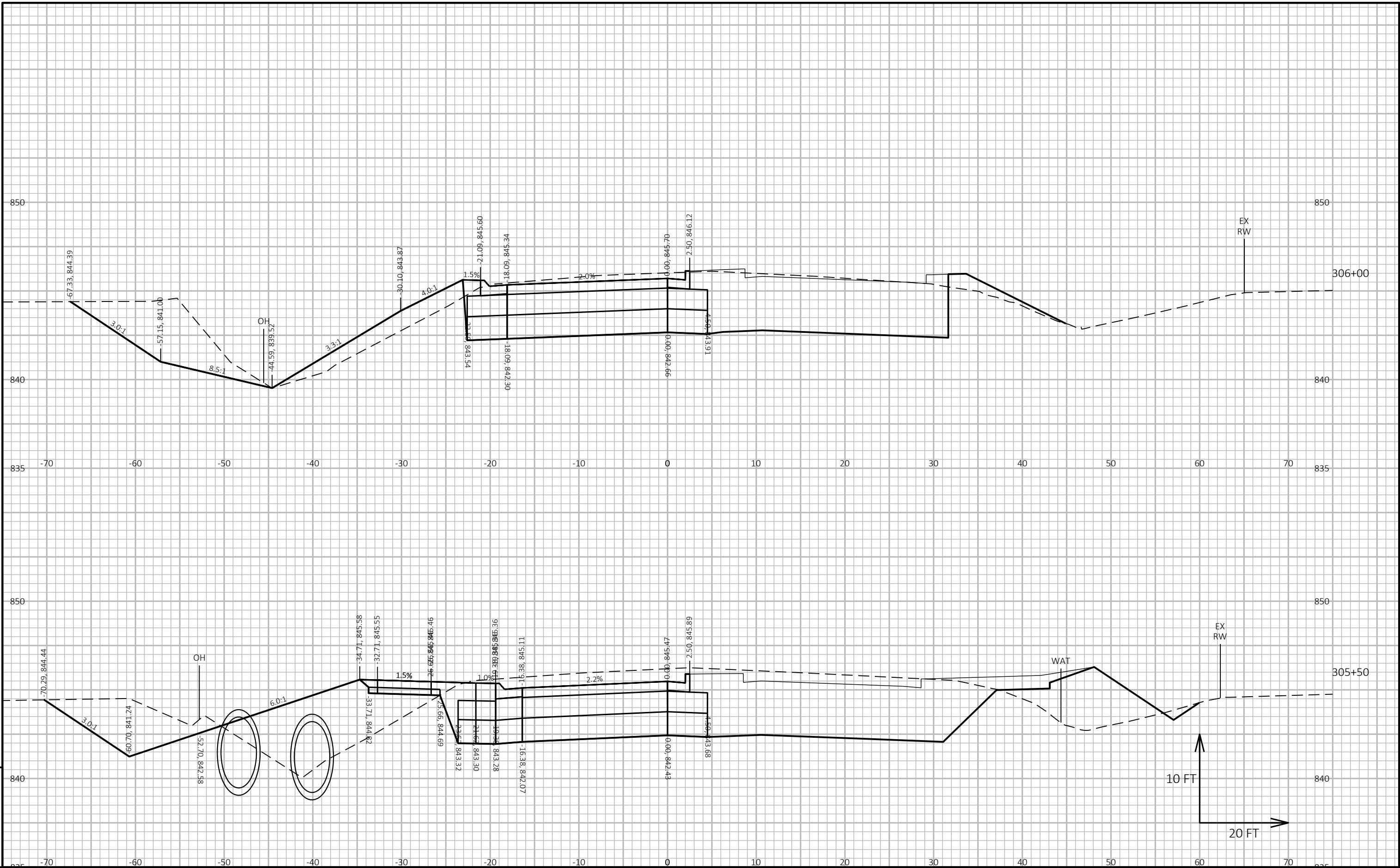


PROJECT NO: 2310-13-71	HWY: EAGLE DRIVE	COUNTY: WASHINGTON	CROSS SECTIONS: STH 60 WESTBOUND 'RWB'	SHEET	E
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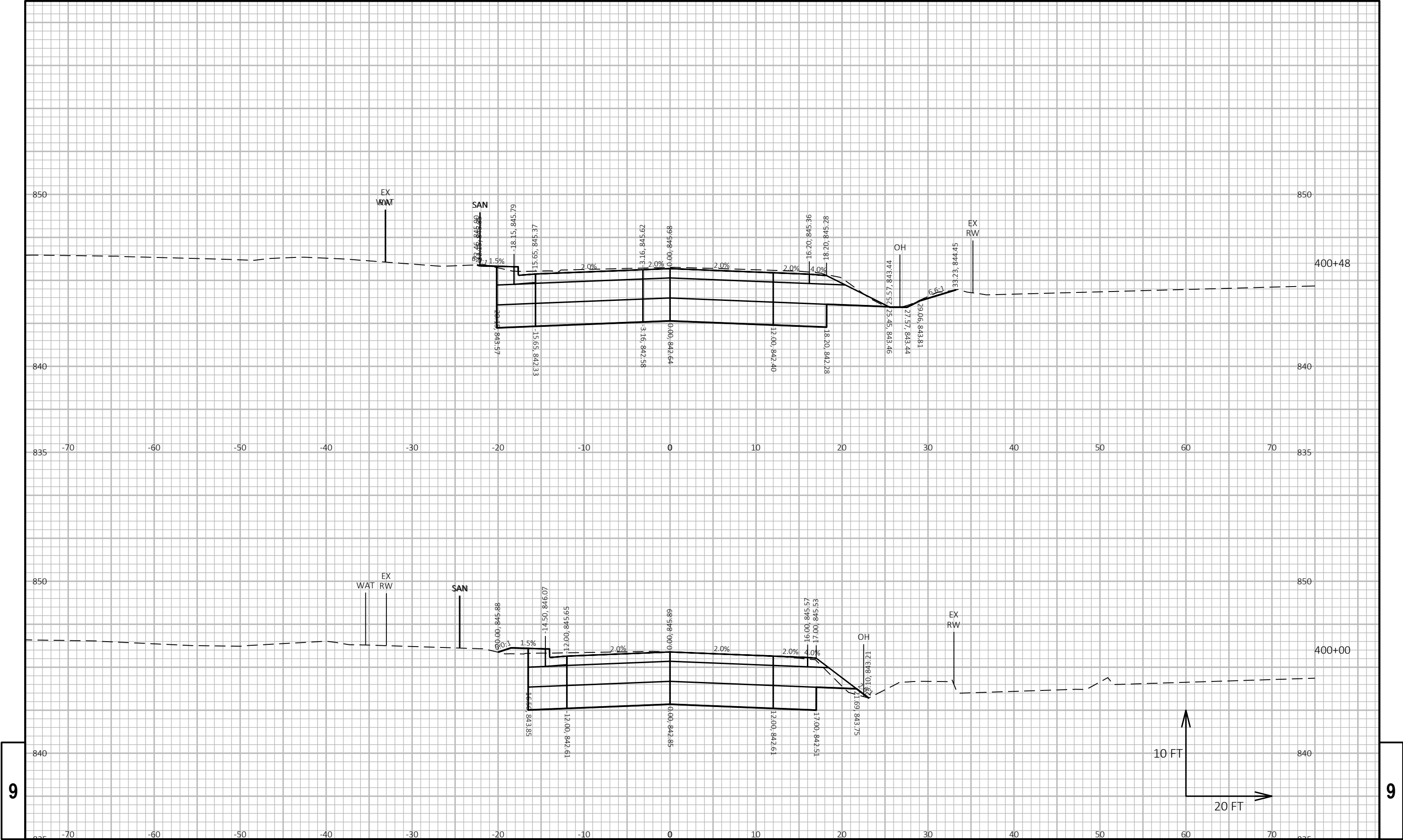




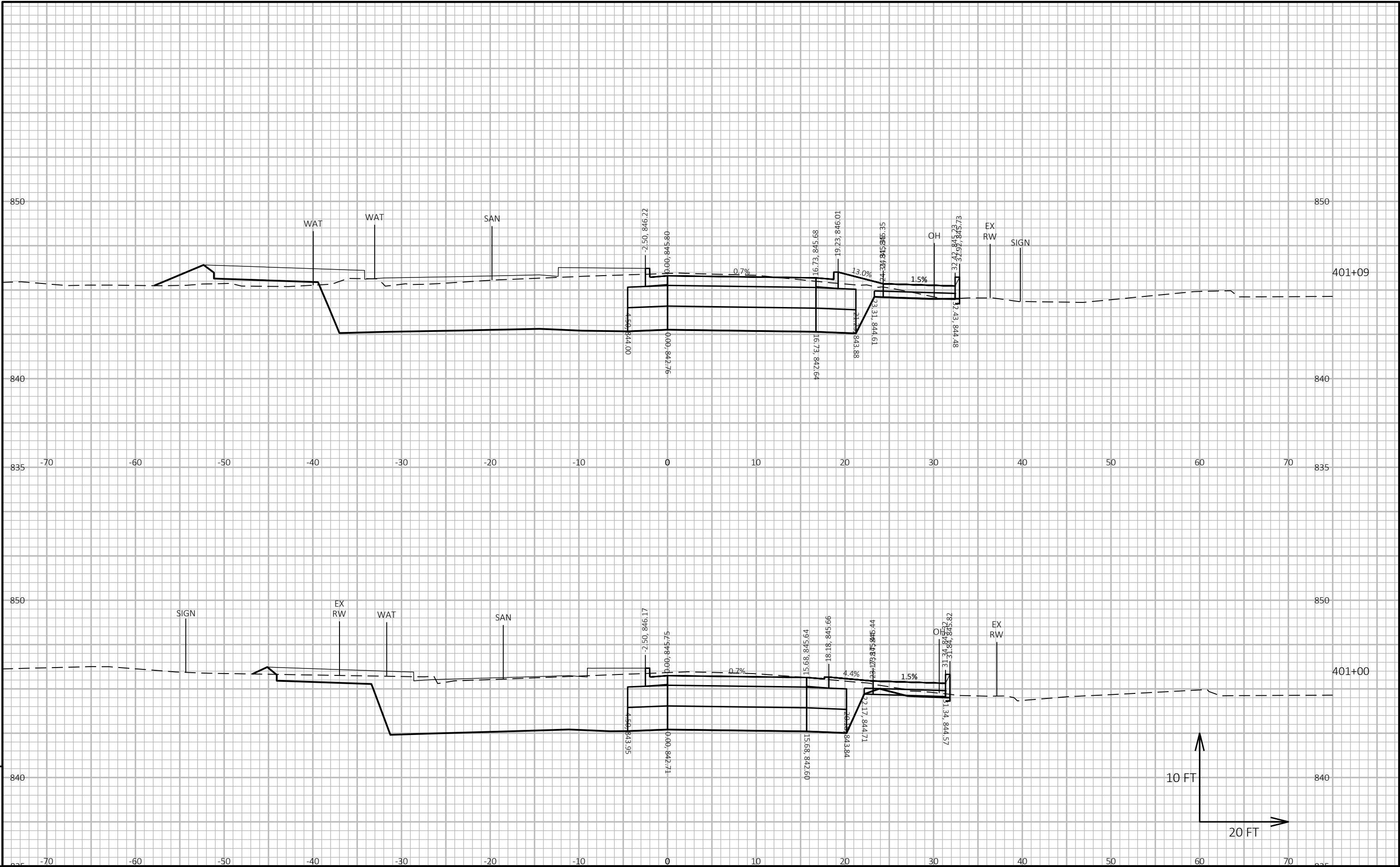


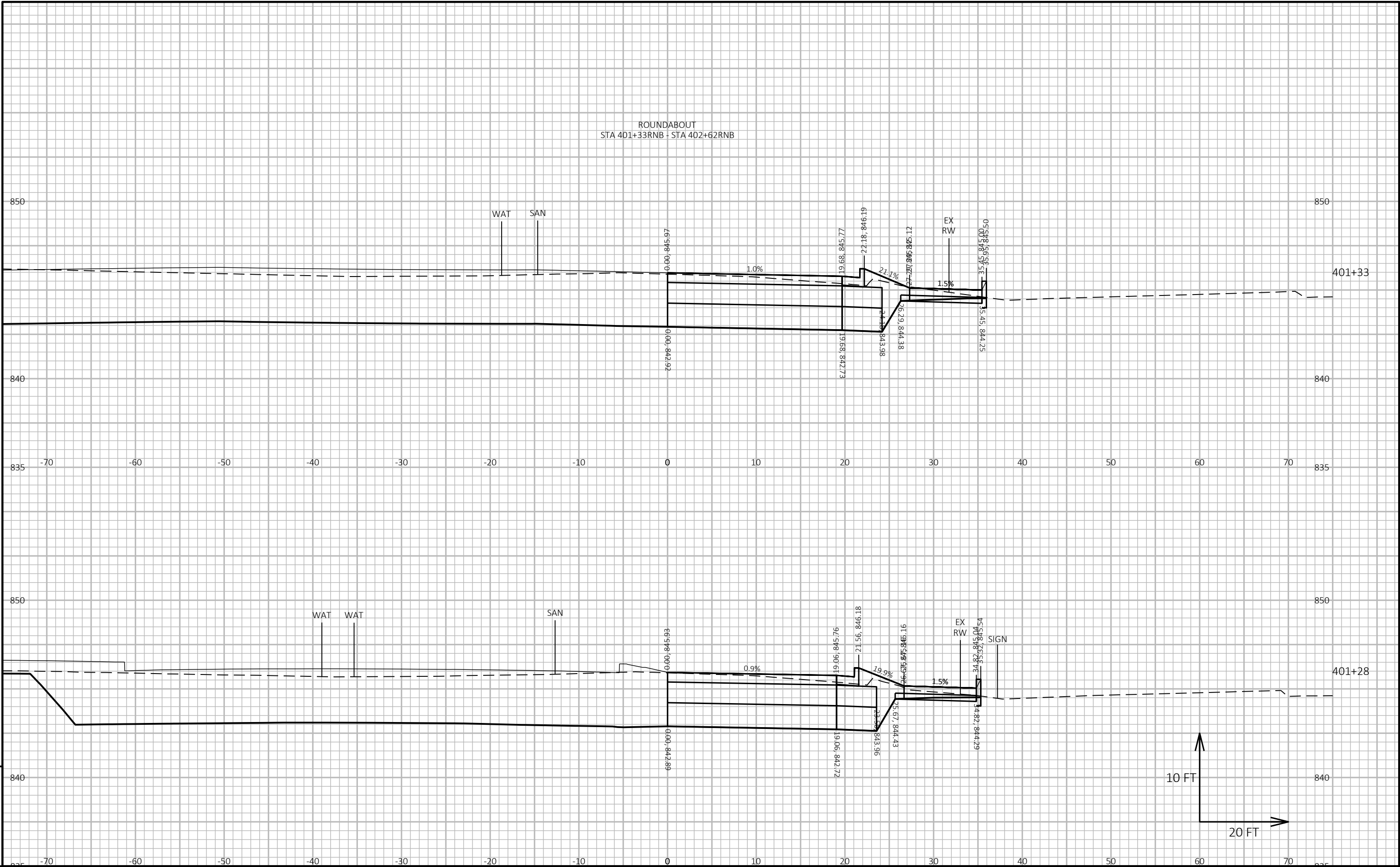


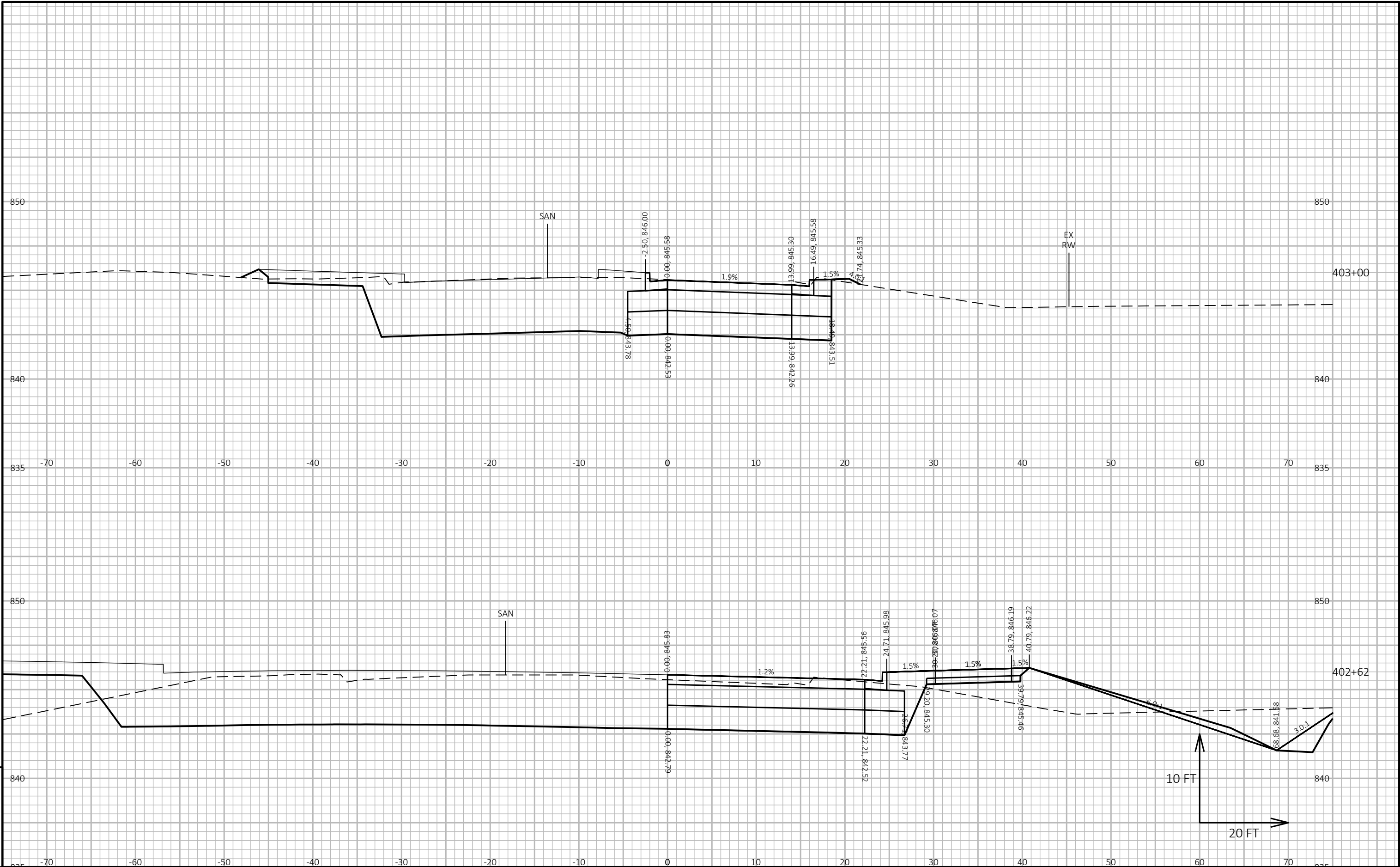


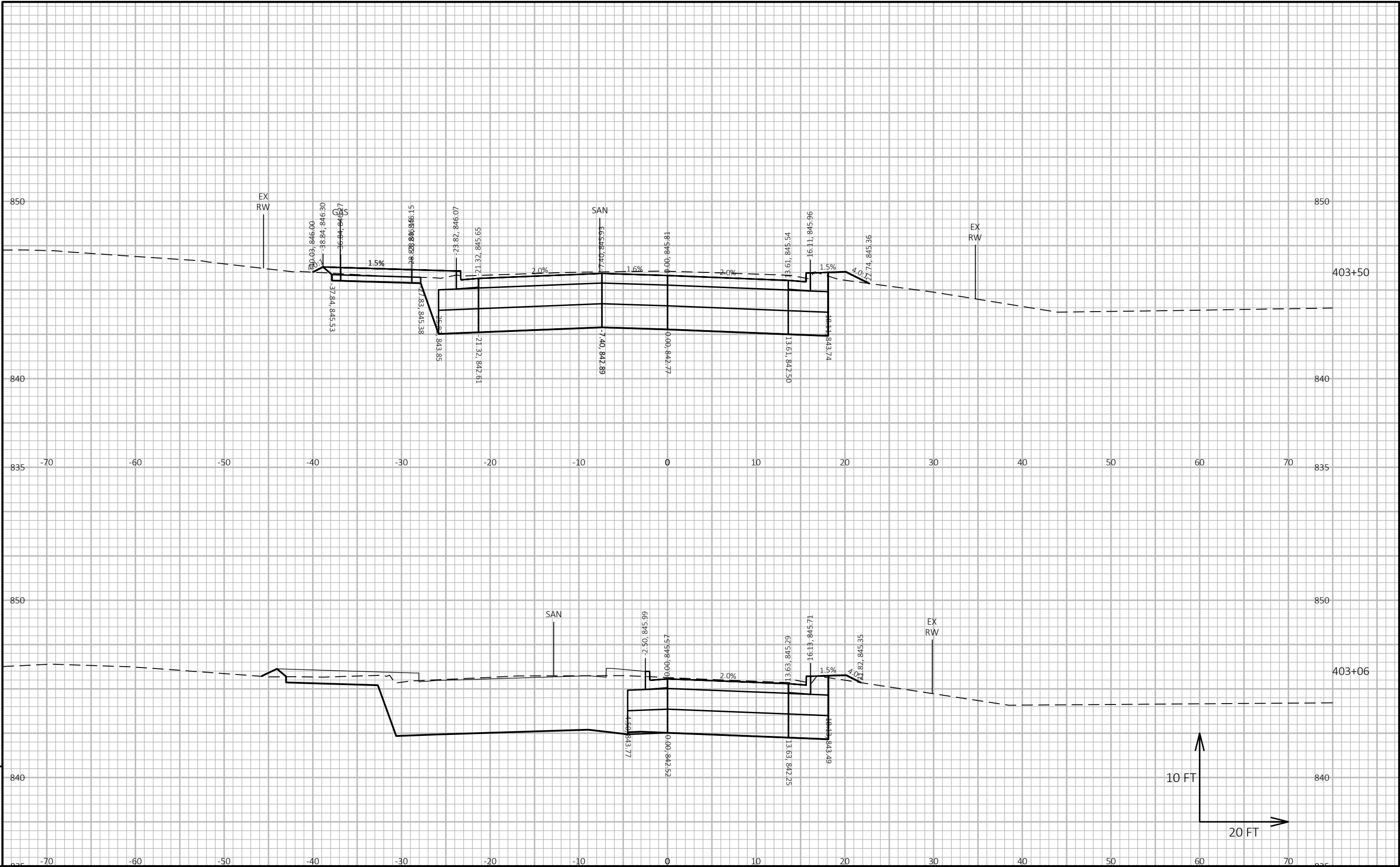


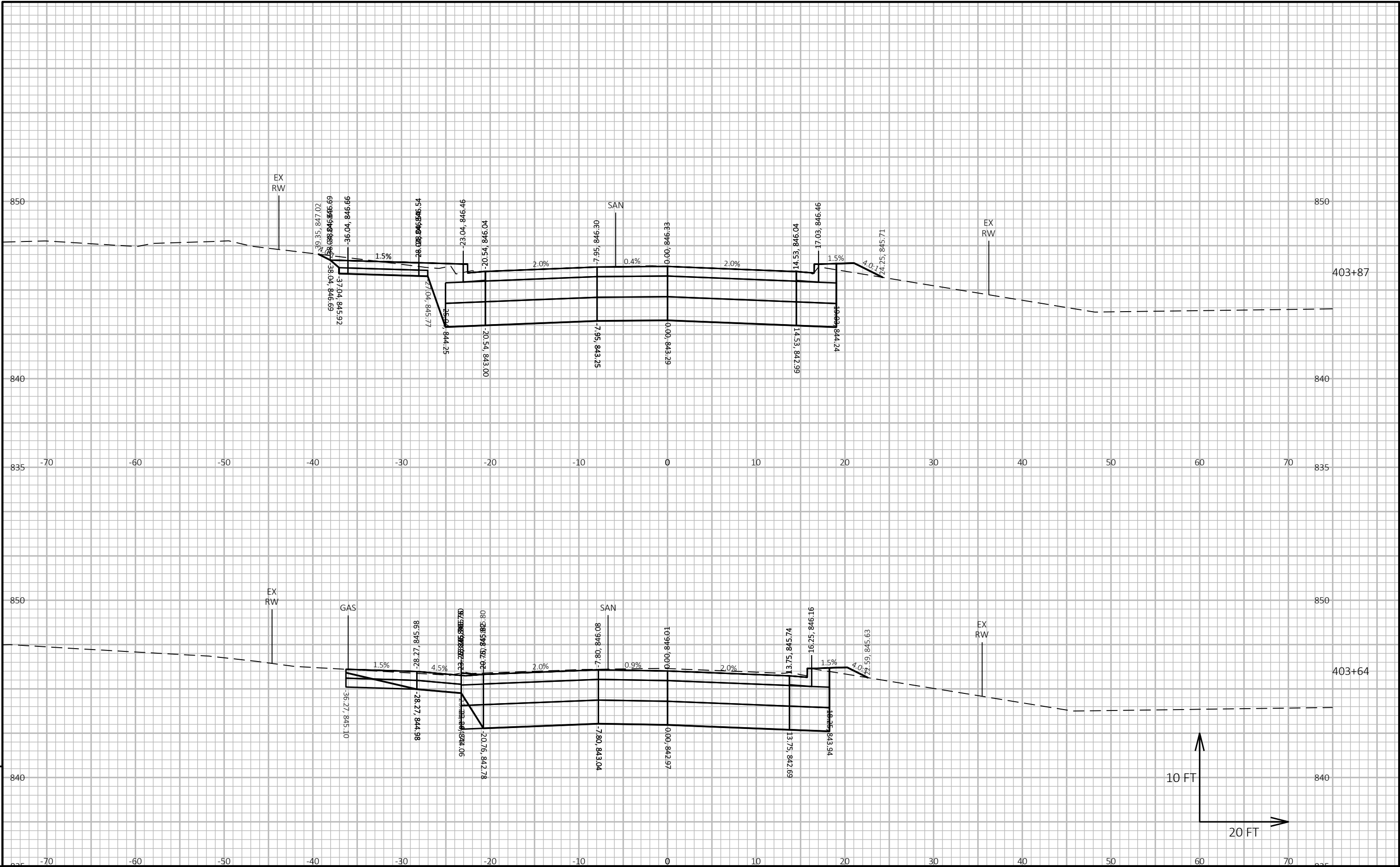




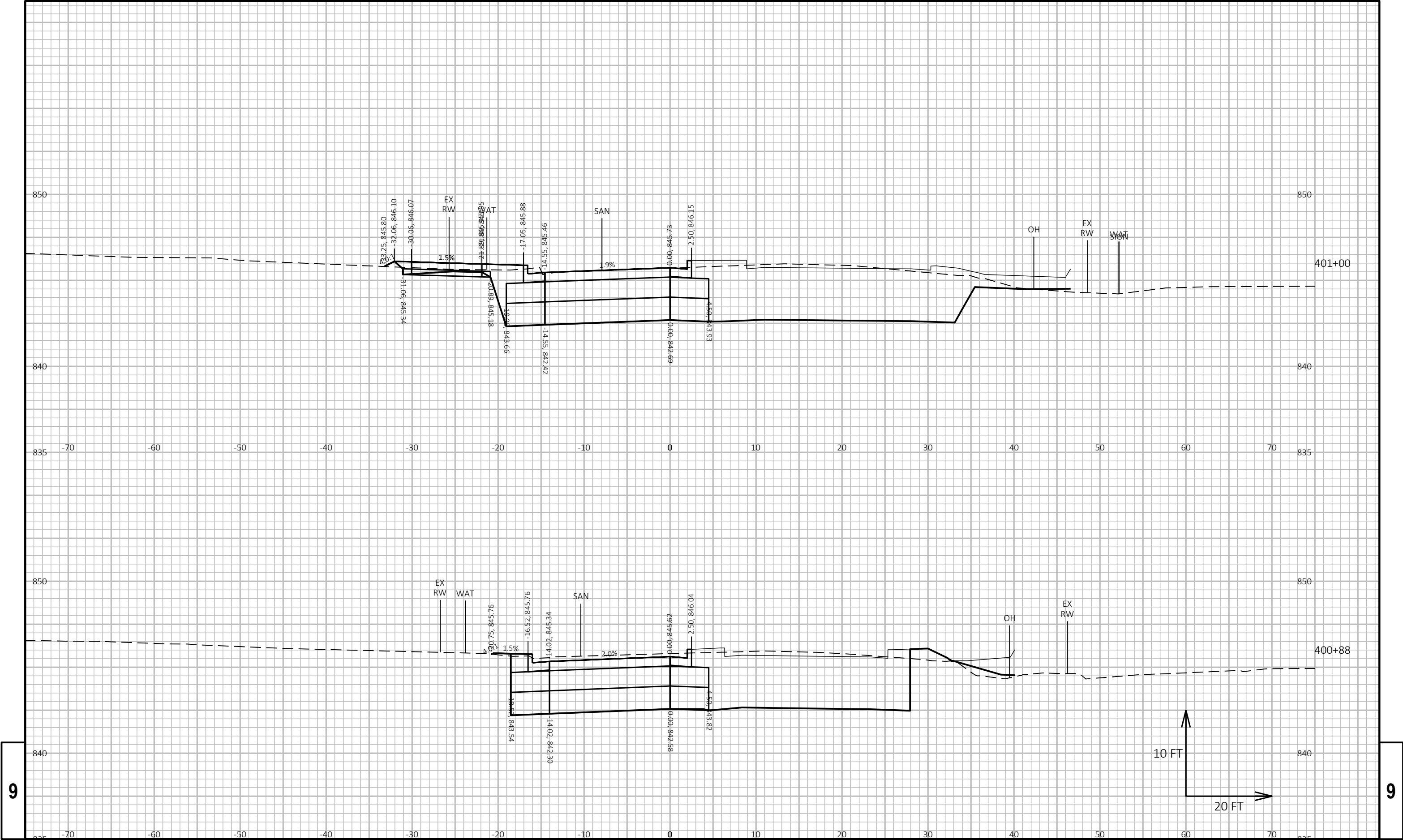




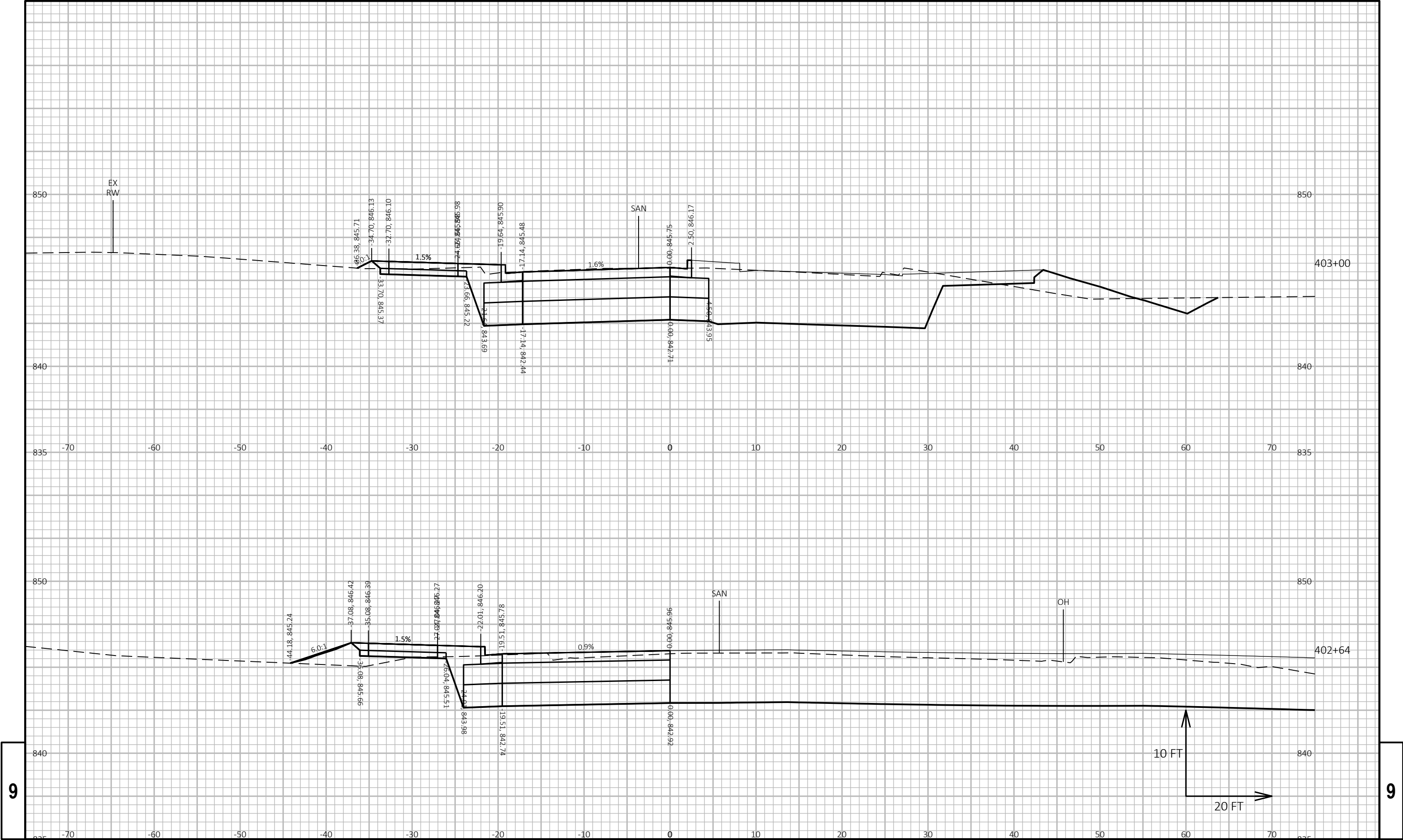


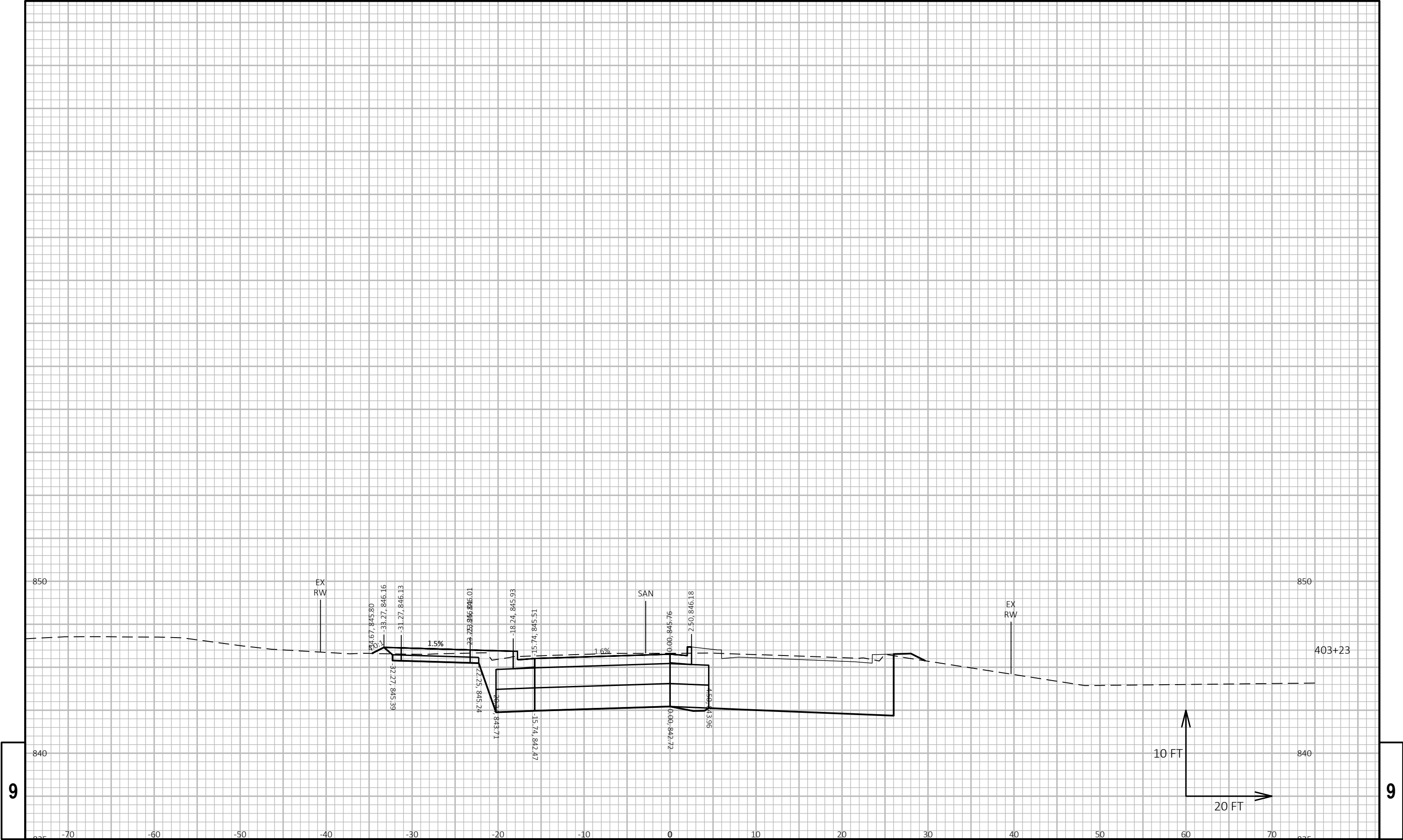


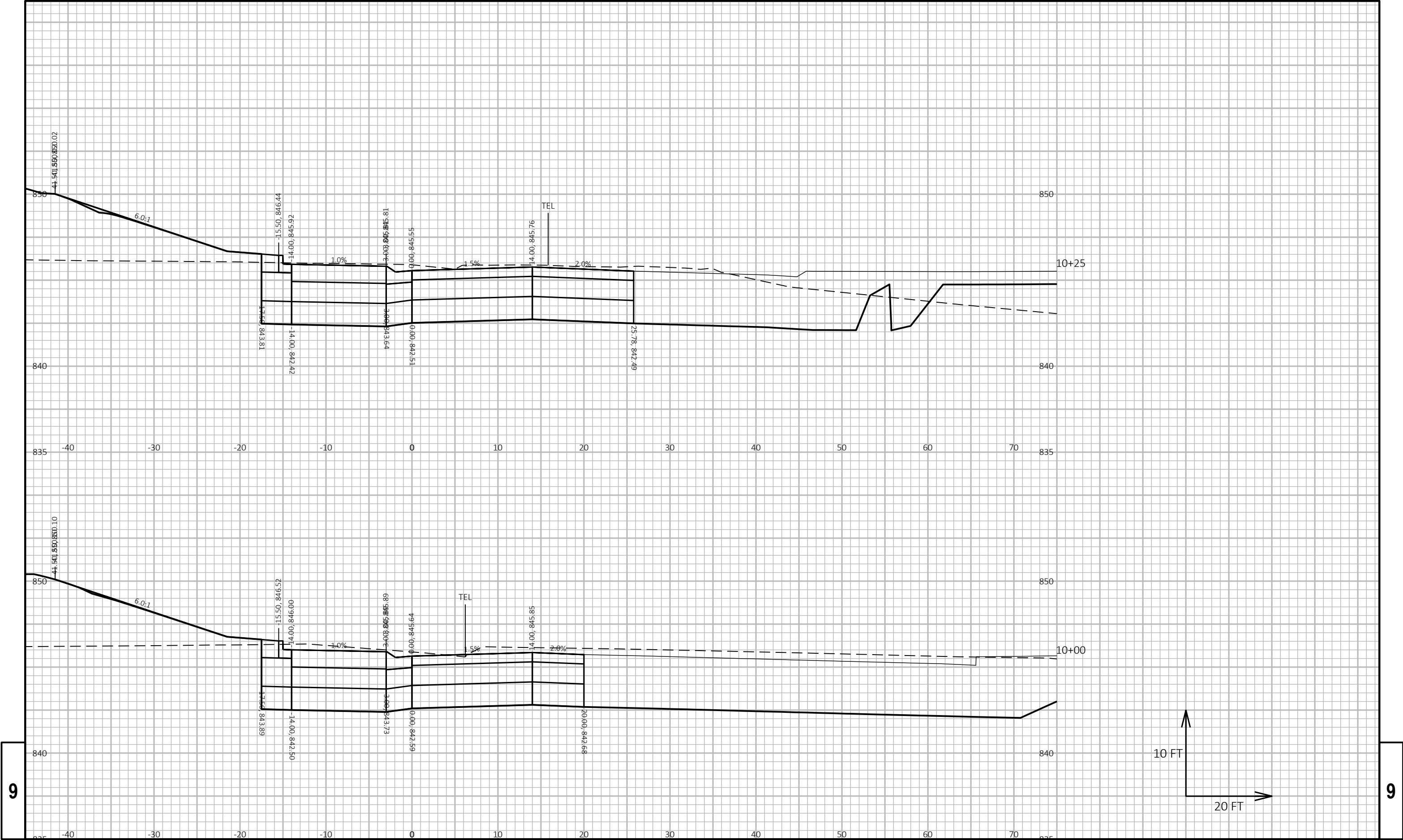


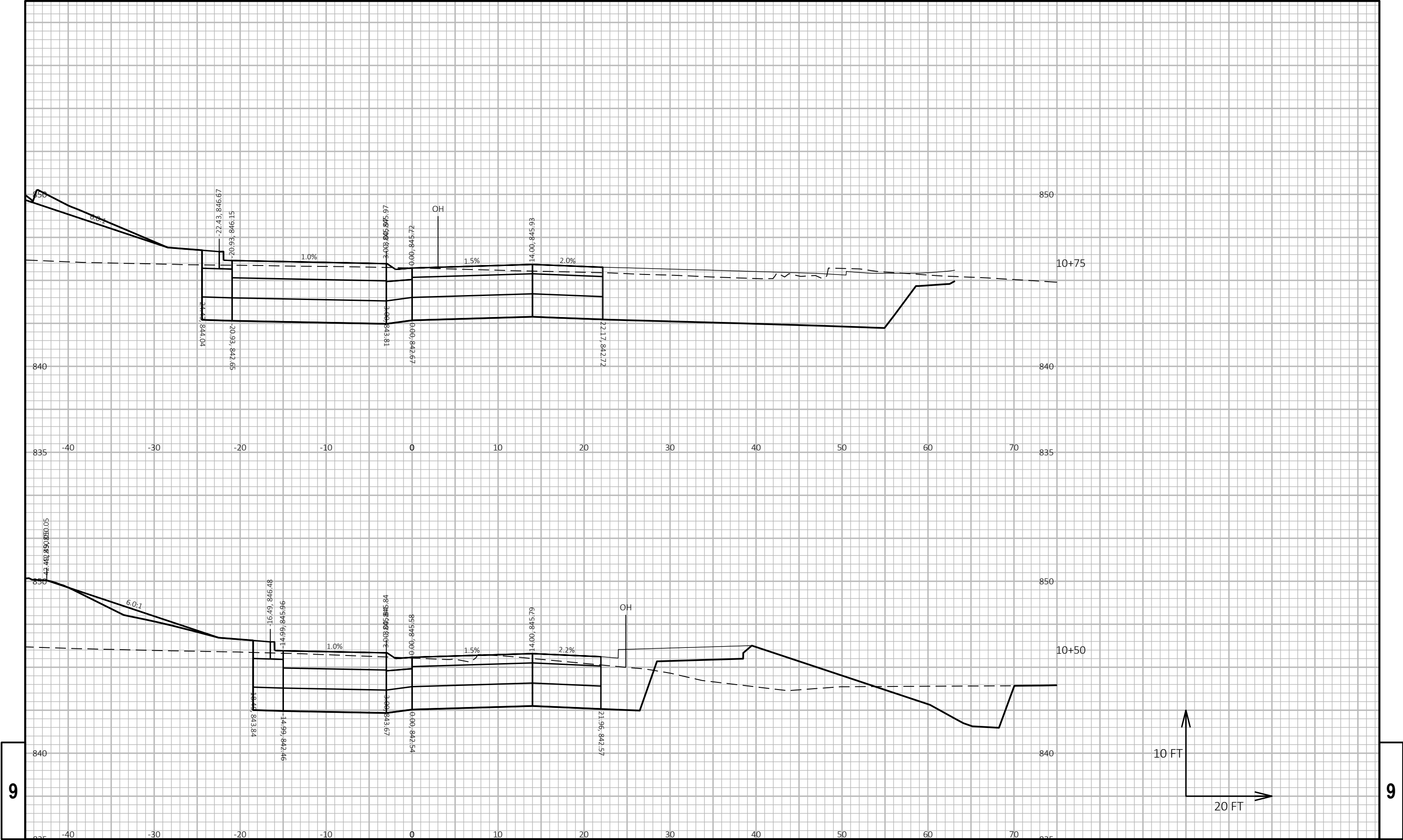




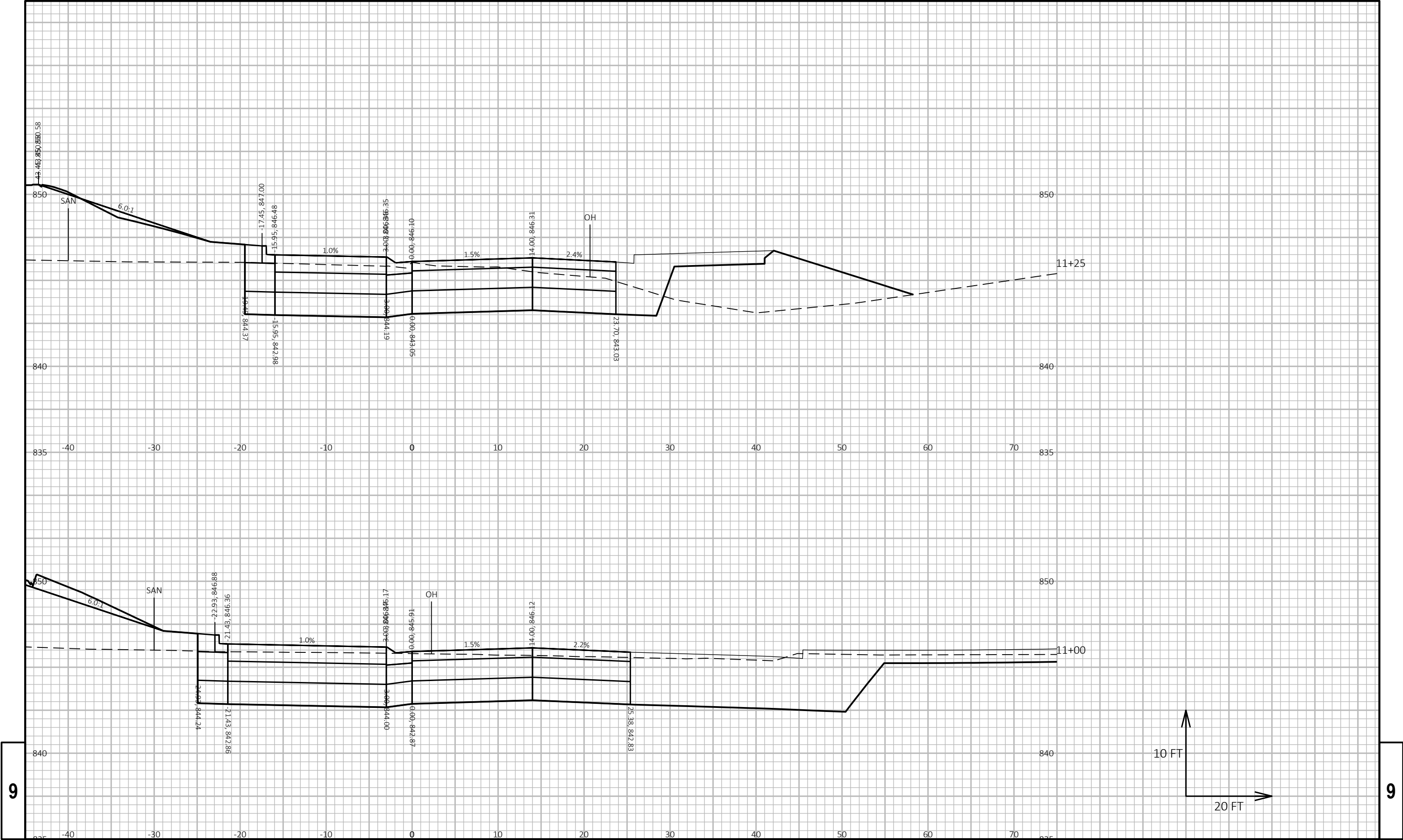


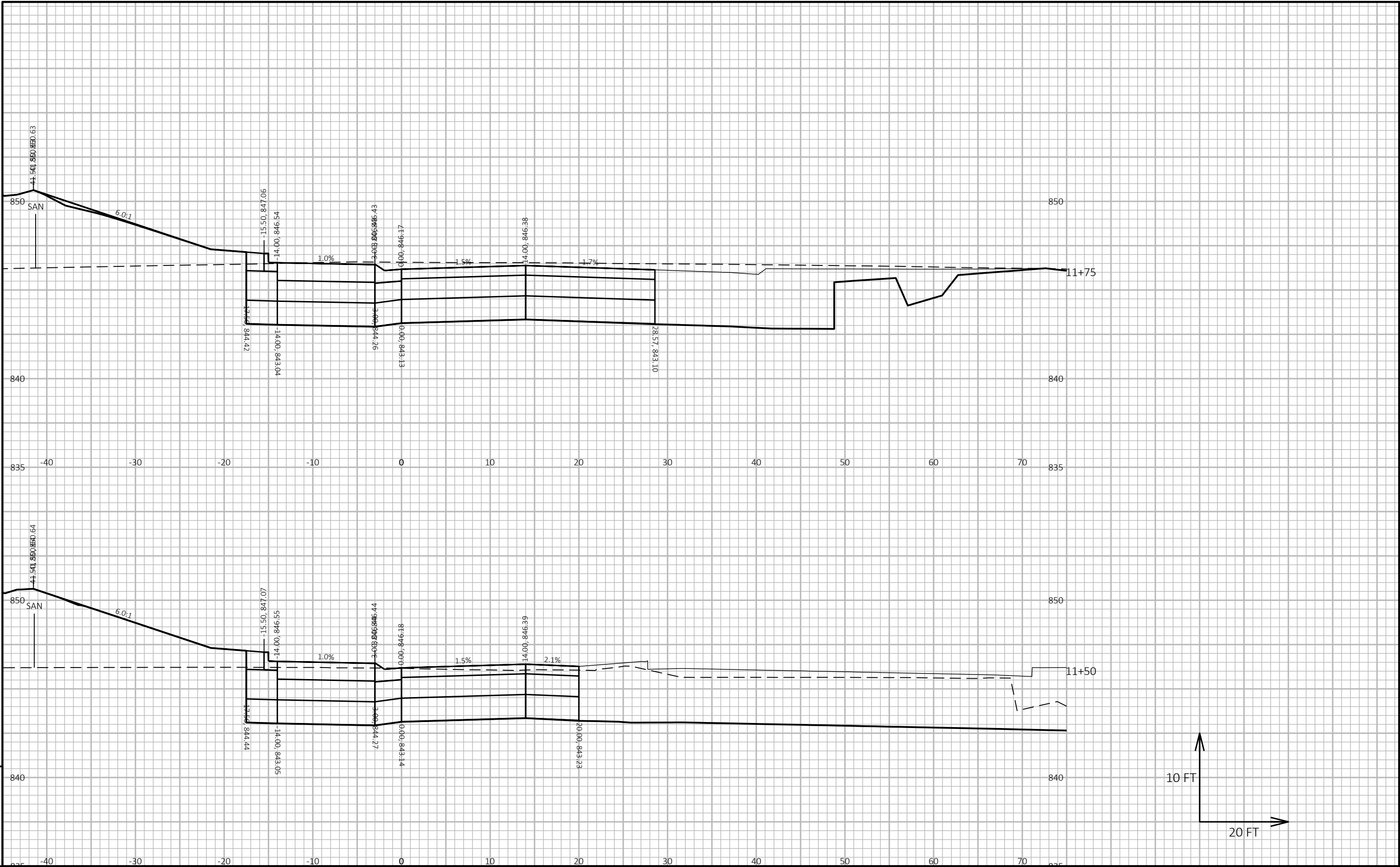


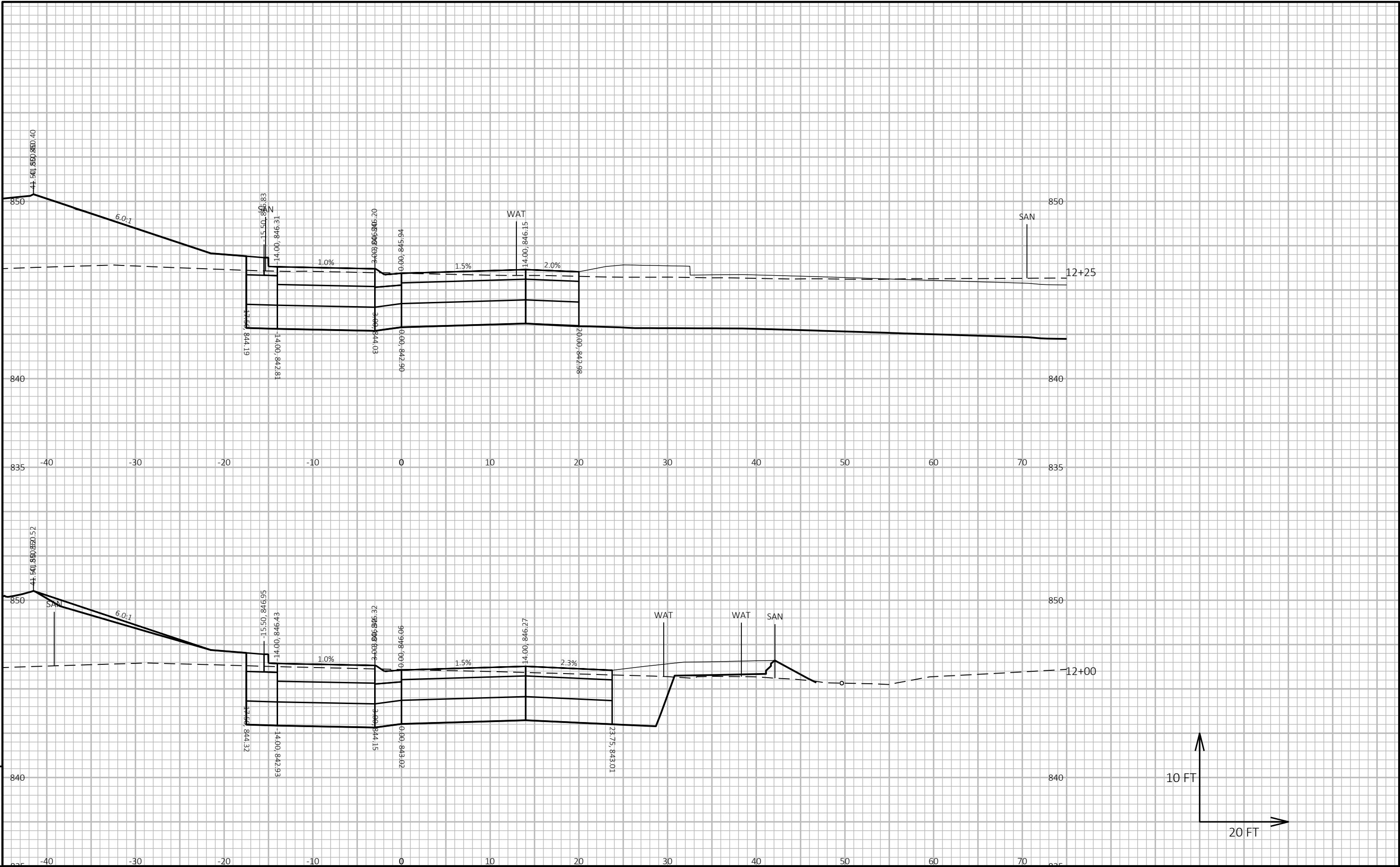


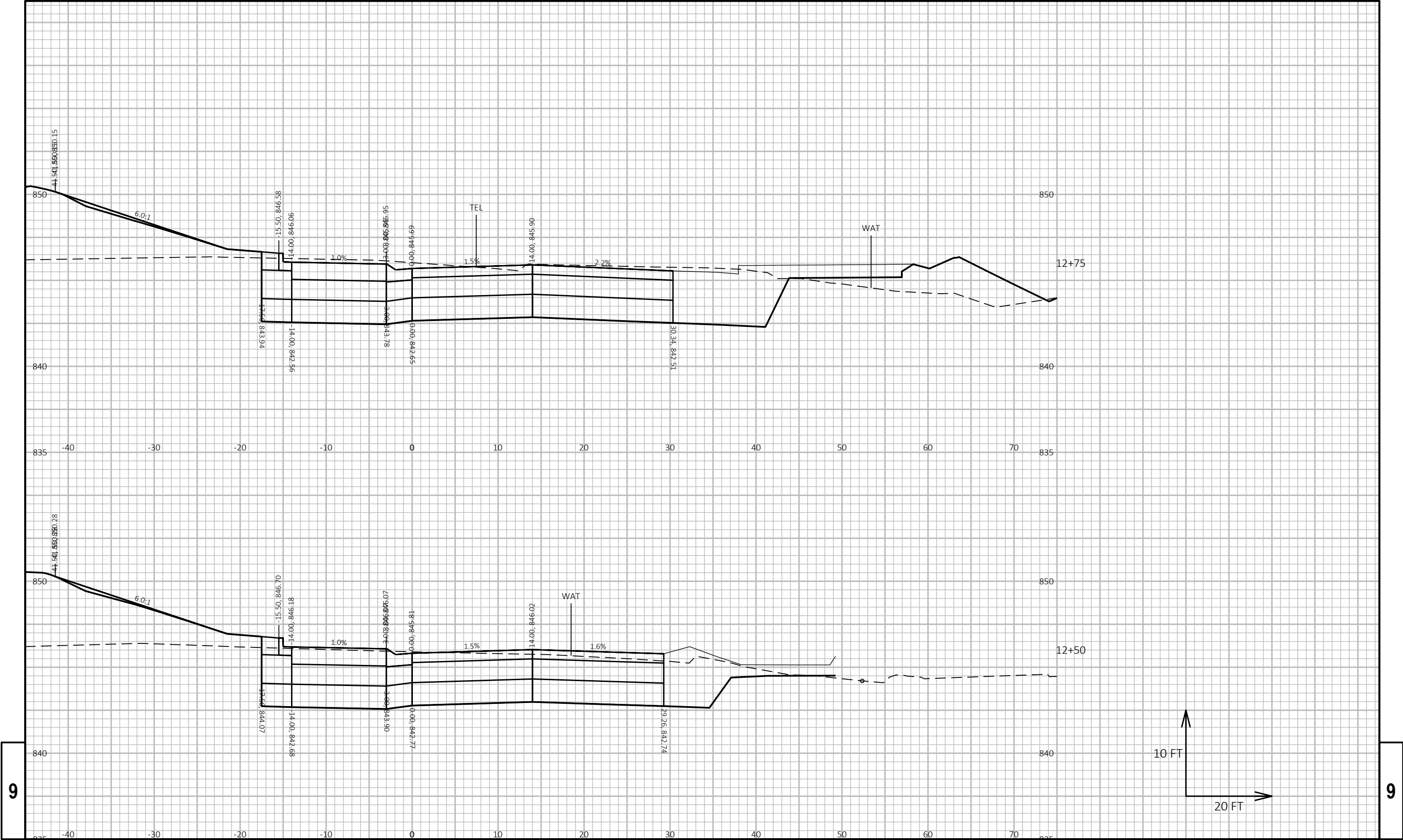












# Public Works Report

## May 30, 2023

**Treatment Plant -**     Designed Capacity – 1.67 million gallons per day  
                                          *Peak Flow Capacity – 6.0 million gallons per day*

### Year 2021

January	Avg. Flow 1.075 MGD	Min. Flow 880,000 g.p.d.	Max. 1.460 MGD
February	Avg. Flow 1.015 MGD	Min. Flow 830,000 g.p.d.	Max. 1.590 MGD
March	Avg. Flow 1.525 MGD	Min. Flow 1.160 MGD	Max. 1.970 MGD
April	Avg. Flow 1.264 MGD	Min. Flow 1.020 MGD	Max. 1.950 MGD
May	Avg. Flow 1.108 MGD	Min. Flow 880,000 g.p.d.	Max. 1.450 MGD
June	Avg. Flow 1.091 MGD	Min. Flow 810,000 g.p.d.	Max. 1.670 MGD
July	Avg. Flow 983,226 g.p.d.	Min. Flow 780,000 g.p.d.	Max. 1.410 MGD
August	Avg. Flow 1.281 MGD	Min. Flow 800,000 g.p.d.	Max. 2.530 MGD
September	Avg. Flow 932,333 g.p.d.	Min. Flow 710,000 g.p.d.	Max. 1.170 MGD
October	Avg. Flow 930,000 g.p.d.	Min. Flow 770,000 g.p.d.	Max. 1.140 MGD
November	Avg. Flow 853,667 g.p.d.	Min. Flow 720,000 g.p.d.	Max. 970,000 g.p.d.
December	Avg. Flow 952,581 g.p.d.	Min. Flow 720,000 g.p.d.	Max. 1.330 MGD

### Year 2022

January	Avg. Flow 839,968 g.p.d.	Min. Flow 720,000 g.p.d.	Max. 960,000 g.p.d.
February	Avg. Flow 848,571 g.p.d.	Min. Flow 710,000 g.p.d.	Max. 1.080 MGD
March	Avg. Flow 1.499 MGD	Min. Flow 890,000 g.p.d.	Max. 3.910 MGD
April	Avg. Flow 2.245 MGD	Min. Flow 1.200 MGD	Max. 4.100 MGD
May	Avg. Flow 1.237 MGD	Min. Flow 850,000 g.p.d.	Max. 2.070 MGD
June	Avg. Flow 1.438 MGD	Min. Flow 780,000 g.p.d.	Max. 3.680 MGD
July	Avg. Flow 1.141 MGD	Min. Flow 760,000 g.p.d.	Max. 2.370 MGD
August	Avg. Flow 1.139 MGD	Min. Flow 810,000 g.p.d.	Max. 1.920 MGD
September	Avg. Flow 1.395 MGD	Min. Flow 780,000 g.p.d.	Max. 4.160 MGD
October	Avg. Flow 920,322 g.p.d.	Min. Flow 760,000 g.p.d.	Max. 1.130 MGD
November	Avg. Flow 1.259 MGD	Min. Flow 810,000 g.p.d.	Max. 2.660 MGD
December	Avg. Flow 1.267 MGD	Min. Flow 930,000 g.p.d.	Max. 2.190 MGD

### Year 2023

January	Avg. Flow 1.247 MGD	Min. Flow 1.010 MGD	Max. 1.560 MGD
February	Avg. Flow 1.351 MGD	Min. Flow 950,000 g.p.d.	Max. 3.130 MGD
March	Avg. Flow 1.762 MGD	Min. Flow 1.250 MGD	Max. 2.560 MGD
April	Avg. Flow 1.594 MGD	Min. Flow 980,000 g.p.d.	Max. 3.290 MGD

## Years Summary of Water Consumption

2006 Total Pumpage 207,719,000 gallons	2007 Total Pumpage 217,224,000 gallons
2008 Total Pumpage 229,613,000 gallons	2009 Total Pumpage 231,160,000 gallons
2010 Total Pumpage 239,326,000 gallons	2011 Total Pumpage 240,268,000 gallons
2012 Total Pumpage 253,492,000 gallons	2013 Total Pumpage 228,371,000 gallons
2014 Total Pumpage 230,973,000 gallons	2015 Total Pumpage 222,621,000 gallons
2016 Total Pumpage 254,531,000 gallons	2017 Total Pumpage 251,387,000 gallons
2018 Total Pumpage 241,322,000 gallons	2019 Total Pumpage 253,427,000 gallons
2020 Total Pumpage 259,413,000 gallons	2021 Total Pumpage 242,216,000 gallons

### Year 2021

Jan.	Avg.	565,650 g.p.d.	Highest Day 789,000 gals.	Total	17,535,000 gallons
Feb	Avg.	517,650 g.p.d.	Highest Day 913,000 gals.	Total	16,047,000 gallons
March	Avg.	583,770 g.p.d.	Highest Day 1.303 MGD	Total	18,097,000 gallons
April	Avg.	642,770 g.p.d.	Highest Day 1.190 MGD	Total	19,283,000 gallons
May	Avg.	659,610 g.p.d.	Highest Day 1.103 MGD	Total	20,448,000 gallons
June	Avg.	825,730 g.p.d.	Highest Day 1.311 MGD	Total	24,772,000 gallons
July	Avg.	750,190 g.p.d.	Highest Day 1.529 MGD	Total	23,256,000 gallons
August	Avg.	768,940 g.p.d.	Highest Day 1.920 MGD	Total	23,837,000 gallons
Sept	Avg.	633,060 g.p.d.	Highest Day 1.775 MGD	Total	19,625,000 gallons
Oct	Avg.	753,030 g.p.d.	Highest Day 1.992 MGD	Total	23,344,000 gallons
Nov	Avg.	619,870 g.p.d.	Highest Day 1.059 MGD	Total	18,596,000 gallons
Dec	Avg.	560,520 g.p.d.	Highest Day 1.167 MGD	Total	17,376,000 gallons

### Year 2022

Jan.	Avg.	553,580 g.p.d.	Highest Day 707,000 gals.	Total	17,161,000 gallons
Feb.	Avg.	575,360 g.p.d.	Highest Day 683,000 gals.	Total	16,110,000 gallons
March	Avg.	578,290 g.p.d.	Highest Day 861,000 gals.	Total	17,927,000 gallons
April	Avg.	606,400 g.p.d.	Highest Day 1.084 MGD	Total	18,192,000 gallons
May	Avg.	605,190 g.p.d.	Highest Day 808,000 gals.	Total	18,761,000 gallons
June	Avg.	660,500 g.p.d.	Highest Day 1.034 MGD	Total	19,815,000 gallons
July	Avg.	685,520 g.p.d.	Highest Day 853,000 gals.	Total	21,251,000 gallons
August	Avg.	654,160 g.p.d.	Highest Day 800,000 gals.	Total	20,279,000 gallons
Sept	Avg.	602,170 g.p.d.	Highest Day 727,000 gals.	Total	18,065,000 gallons
October	Avg.	661,390 g.p.d.	Highest Day 1.185 MGD	Total	20,503,000 gallons
Nov	Avg.	561,670 g.p.d.	Highest Day 714,000 gals.	Total	16,850,000 gallons
Dec	Avg.	552,160 g.p.d.	Highest Day 712,000 gals.	Total	17,117,000 gallons

### Year 2023

Jan.	Avg.	544,810 g.p.d.	Highest Day 716,000 gals.	Total	16,889,000 gallons
Feb.	Avg.	576,070 g.p.d.	Highest Day 762,000 gals.	Total	16,130,000 gallons
March	Avg.	532,060 g.p.d.	Highest Day 713,000 gals.	Total	16,494,000 gallons
April	Avg.	597,230 g.p.d.	Highest Day 869,000 gals.	Total	17,917,000 gallons

**Pump Capacity** Well #1- 400 g.p.m. Well #3 -900 g.p.m. Well #4 - 1200 g.p.m. Well #5 – 1,100 g.p.m. Well #6 – 800 g.p.m.



**WWTP – Holding & Septage Receiving**

<b>2005</b>	\$ 87,562.01	<b>2006</b>	\$101,115.11	<b>2007</b>	\$152,201.07	<b>2008</b>	\$210,441.47
<b>2009</b>	\$183,815.34	<b>2010</b>	\$197,653.66	<b>2011</b>	\$220,576.28	<b>2012</b>	\$236,224.70
<b>2013</b>	\$235,336.46	<b>2014</b>	\$203,938.32	<b>2015</b>	\$210,644.47	<b>2016</b>	\$220,473.17
<b>2017</b>	\$232,358.23	<b>2018</b>	\$245,767.74	<b>2019</b>	\$219,822.80	<b>2020</b>	\$204,656.11
<b>2021</b>	\$209,083.10	<b>2022</b>	\$251,109.46				

<b>2021</b>	<b>Holdings (gals)</b>	<b>Grease (gals)</b>	<b>G Decant (gals)</b>	<b>Septage (gals)</b>	<b>S Decant (gals)</b>	<b>Total Billings</b>
January	1,284,600			6,650	77,250	\$12,507.30
February	1,386,475			3,000	44,450	\$12,338.05
March	1,633,050			27,600	206,050	\$19,457.65
April	1,425,850			38,000	268,500	\$19,829.30
May	1,297,900			34,550	232,100	\$17,740.45
June	1,392,350			52,800	258,500	\$19,977.30
July	1,338,500			31,600	245,050	\$18,256.25
August	1,499,450			31,200	196,250	\$18,305.85
September	1,389,200			23,900	213,400	\$17,524.10
October	1,275,550			16,250	297,260	\$18,367.15
November	1,249,400			22,400	224,200	\$16,608.20
December	1,448,000			32,000	205,900	\$18,171.50

<b>2022</b>	<b>Holdings (gals)</b>	<b>Grease (gals)</b>	<b>G Decant (gals)</b>	<b>Septage (gals)</b>	<b>S Decant (gals)</b>	<b>Total Billings</b>
January	1,311,750	2,700			40,650	\$11,780.25
February	1,321,050	8,000			48,350	\$12,577.15
March	2,076,350	2,000		40,750	303,750	\$26,238.30
April	1,791,650	5,400	1,500	101,700	326,050	\$27,660.95
May	1,703,450		5,200	164,850	288,100	\$28,456.35
June	1,759,050	3,000		100,400	373,050	\$28,348.65
July	1,437,400	2,700		92,100	186,800	\$20,583.70
August	1,670,350	1,200	3,500	63,700	242,850	\$22,560.55
September	1,479,850			73,350	168,950	\$19,363.30
October	1,204,370	3,000	5,500	47,650	253,200	\$18,629.21
November	1,264,850		1,000	48,300	228,250	\$18,038.55
December	1,454,750		4,000	24,100	159,600	\$16,872.50

<b>2023</b>	<b>Holdings (gals)</b>	<b>Grease (gals)</b>	<b>G Decant (gals)</b>	<b>Septage (gals)</b>	<b>S Decant (gals)</b>	<b>Total Billings</b>
January	1,232,950		1,000	2,800	72,460	\$11,841.10
February	1,299,600			1,000	27,000	\$11,121.30
March	849,250			18,800	62,550	\$ 9,203.75

**Morning Meadows Subdivision**

Streetlights are being planned by the Village for installation in Phase 1 and 2. Punch list is being created for Phase 2 to accept the utilities. The Utilities are in negotiation on how to use the proposed sewer and water layout in Phase 3 for the sewer and water layout being proposed for CTH P Project.

**Willow Ridge Drive Reconstruction Project**

Streetlights and growing grass are the remaining items. The Village is still holding the retainage of the project.

**Spruce Street/Ridgeway Drive Extension Project**

We are working on a streetlight layout for the two streets. We now have poles, fixtures, and meter pedestals just need time for the layout for bidding.

**Eagle Drive & STH 60 Intersection Improvement**

Terra Venture Advisors are being hired for the land acquisition services for the project. Working through the details and approvals. The plans are reaching the 90% plan stage.

**Midwest Fiber Installation**

Street Opening Permits are being approved for the Fiber to the Home Project. In the process we are working with Mid-West for fiber to Utility owned properties.

**Impact Fee Study**

The study is in process, and the results will be discussed at the June Board of Public Works meeting.

**Stormwater Ponds Management Inspection Program**

The program has started again.

**Main Street (STH 60) Sewer and Water Replacement**

All underground utility is completed in STH 60 (Main Street). Jackson Drive sanitary sewer has been completed, and water main has been installed, and tested (safe water sample, and pressure tested). Jackson Drive south of STH 60 continues to be closed until all utility work is completed. Paving of driveways and laterals on STH 60 (Main St) is being completed.

**CTH P (Sherman Road to STH 60) Utility Project**

The Sherman Road Sewer Project has only restoration of the ditch line to be completed. The property owner will be notified that sewer is ready for connection. The remaining portion (CTH P & Highland Road) of the project will not start until August.

**Maple Fields Subdivision**

Streetlights and sidewalks still need to be completed in Phase 1. A punch list is being created to accept the utilities. Harbor Homes will be requesting Occupancy of two homes in June.

**Next Generation Housing**

Grading and storm pond construction is being completed. On Tuesday, May 30th underground utility installation is scheduled to start.

**Jackson Park Tennis Court Pickleball Conversion**

The Project has started with demolition and grading of the site. Paving will be completed in the next two weeks.

Respectfully submitted, Brian W. Kober, P.E.