



136 North Monroe Street
Waterloo, WI 53594-1198
Phone: (920) 478-3025
Fax: (920) 478-2021
www.waterloowi.us

**PUBLIC NOTICE OF A COMMITTEE MEETING
OF THE COMMON COUNCIL OF THE CITY OF WATERLOO**

Pursuant to Section 19.84 Wisconsin Statutes, notice is hereby given to the public & news media, that the following meeting will be held:

COMMITTEE: PUBLIC WORKS & PROPERTY COMMITTEE
DATE: **January 21, 2021** (rescheduled from 1/7/21)
TIME: **6:00 p.m.**
LOCATION: **Municipal Building Council Chambers, 136 N. Monroe Street** (in-person or remote)

REMOTE ACCESS DETAILS

Join Zoom Meeting: <https://us02web.zoom.us/j/88662011118?pwd=enFFbmJlQ0dhMmx1cEdLclhCS3JUdz09>
Meeting ID: 886 6201 1118
Passcode: 281004

Dial by your location +1 312 626 6799 US (Chicago)
Meeting ID: 886 6201 1118
Passcode: 281004

PUBLIC HEARING – Adams Street 2021 Reconstruction

1. CALL TO ORDER
2. CITIZEN INPUT
3. PUBLIC HEARING ADJOURNMENT

REGULARLY SCHEDULED MEETING

1. CALL TO ORDER AND ROLL CALL
2. APPROVAL OF MEETING MINUTES – Unapproved Minutes
3. CITIZEN INPUT / PUBLIC COMMENT
4. UNFINISHED BUSINESS
 - a. E-waste Disposal Service Review, Badgerland Disposal Reply To Service Questions
 - b. Review Of Herbicide, Pesticide & Insecticide Use
5. NEW BUSINESS
 - a. Adams Street Design Review With Kunkel Engineering Staff And Oversight Of Bid Process For 2021 Adams Street Road Reconstruction
 - b. Oversight Of Bid Process For 2021 Capital Purchases
 - c. Confirming Public Works Director's Appointment Of Chris Hauptli as Assistant Public Works Director
6. FUTURE AGENDA ITEMS AND ANNOUNCEMENTS
 - a. Committee Calendar
 - b. Assessor's 2020-2021 Property Revaluation Project / Update
7. ADJOURNMENT

Mo Hansen
Clerk/Treasurer

*** Also, on Council Agenda. See Council materials for documentation.
Committee Members: Petts, Schoenwetter and Rhynes

posted, e-mailed & distributed: 01/19/2021

PLEASE NOTE: IT IS POSSIBLE THAT MEMBERS OF AND POSSIBLY A QUORUM OF MEMBERS OF OTHER GOVERNMENTAL BODIES OF THE MUNICIPALITY MAY BE IN ATTENDANCE AT THE ABOVE MEETING(S) TO GATHER INFORMATION. NO ACTION WILL BE TAKEN BY ANY GOVERNMENTAL BODY OTHER THAN THAT SPECIFICALLY NOTICED. ALSO, UPON REASONABLE NOTICE, EFFORTS WILL BE MADE TO ACCOMMODATE THE NEEDS OF DISABLED INDIVIDUALS THROUGH APPROPRIATE AIDS AND SERVICES. FOR ADDITIONAL INFORMATION OR TO REQUEST SUCH SERVICES PLEASE CONTACT THE CLERK'S OFFICE AT THE ABOVE LOCATION.

CITY OF WATERLOO PUBLIC WORKS & PROPERTY COMMITTEE
MEETING MINUTES: December 3, 2020

1. CALL TO ORDER AND ROLL CALL. Committee Chair Petts called the regular meeting to order at 6:00 p.m. Committee members present: Petts, Schoenwetter and Rhynes. Absent: none. Others attending: Alder Charles Kuhl; Public Works Director Chad Yerges; Mitch Leisses with Kunkel Engineering Group and Clerk/Treasurer Hansen.
2. APPROVAL OF MEETING MINUTES – MOTION: Moved by Rhynes, seconded by Schoenwetter to approve the October 1, 2020 meeting minutes. VOICE VOTE: Motion carried.
3. CITIZEN INPUT / PUBLIC COMMENT
4. UNFINISHED BUSINESS
 - a. Ordinance #2020-06 Amending Municipal Code Chapters 332 Trees and 317 Solid Waste As They Relate To The Disposal Of Wood And Trees. MOTION: Moved by Schoenwetter, seconded by Rhynes to recommend Council adoption of the ordinance as presented. VOICE VOTE: Motion carried.
5. NEW BUSINESS
 - a. E-waste Disposal Service Review. DISCUSSION: Hansen conveyed a Barry Sorenson comment that his contract had been renewed for the calendar year. Petts asked if Badgerland Disposal would modify its existing contract. Hansen said he would inquire. No action taken.
 - b. Adams Street Design Review With Kunkel Engineering Staff And Oversight Of Bid Process For 2021 Adams Street Road Reconstruction. DISCUSSION: Leisses reviewed the project status, design elements and timeline. A public hearing was scheduled. No action taken.
6. FUTURE AGENDA ITEMS AND ANNOUNCEMENTS
 - a. Committee Calendar. Noted.
7. ADJOURNMENT. MOTION: Moved by Schoenwetter, seconded by Rhynes to adjourn. The time was approximately 6:45 pm. Motion carried.



Attest:

Mo Hansen

Clerk/Treasurer

Mo Hansen

From: Mo Hansen
Sent: Monday, December 07, 2020 2:17 PM
To: Barry Sorenson
Subject: FW: City of Waterloo / e-waste questions

FYI Barry,
-Mo

From: Kris Roesken <kris@badgerlanddisposal.com>
Sent: Monday, December 07, 2020 12:23 PM
To: Mo Hansen <mhansen@waterloowi.us>
Cc: Chad Yerges <dpw@waterloowi.us>; Jeni Quimby <mayor@waterloowi.us>; Jeanette Petts <alder4-5@waterloowi.us>
Subject: RE: City of Waterloo / e-waste questions

Good morning Mo,

Answers to your questions:

1. Would Badgerland Disposal agree to a contract fee reduction in exchange for terminating its curbside e-waste service? If so, what would the reduction amount?
 - a. **We included this offering as it is a common component to our bulk program in several other communities and is therefore not much of an additional add on cost to our overall processes. That said, removing it would have minimal overall impact on our costs and ability to reduce our fees. Somewhat unrelated, but substantially important – is the cost increases our industry has seen in 2020 overall (and forecast continuing into the future) as it relates to COVID. We have seen disposal costs increase 15-50% overall because so many more people are working from home and therefore, disposing of more waste (and recycling) across the board. To summarize, a price reduction is not something we can entertain at this time.**
2. Can you quantify how much curbside e-waste has been pick-up for 2020? This is of value in comparing 2020 curbside and drop-off services.
 - a. **Because the e-waste pickup is bundled into the rest of our bulk service, we are not recording those quantities separately to report on.**
3. Has any communication other than the initial mailing been sent to the Waterloo's residents informing them of the e-waste service?
 - a. **There has been no additional formal communication specific to e-waste since our initial service rollout and Welcome Packet mailer to residents.**

Thank you,



Kris Roesken
Director of Business Development

mobile: 414.803.0041
email: kris@badgerlanddisposal.com
1015 Femrite Drive | Monona, WI 53716
265 North Janesville Street | Milton, WI 53563



From: Mo Hansen <mhansen@waterloowi.us>

Sent: Friday, December 4, 2020 9:32 AM

To: Kris Roesken <kris@badgerlanddisposal.com>

Cc: Chad Yerges <dpw@waterloowi.us>; Jeni Quimby <mayor@waterloowi.us>; Jeanette Petts <alder4-5@waterloowi.us>

Subject: City of Waterloo / e-waste questions

Kris,

Last night members of the Waterloo Public Works & Property Committee directed me to reach out on the topic of e-waste services.

Currently *curbside* e-waste service is part of our Badgerland contract. For several years prior the initial Badgerland Disposal contact period, Waterloo Utilities has also contracted with an e-waste firm. Waterloo Utilities also currently provides *drop-off* e-waste service during its business hours at its Commercial Avenue location.

1. Would Badgerland Disposal agree to a contract fee reduction in exchange for terminating its curbside e-waste service? If so, what would the reduction amount?
2. Can you quantify how much curbside e-waste has been pick-up for 2020? This is of value in comparing 2020 curbside and drop-off services.
3. Has any communication other than the initial mailing been sent to the Waterloo's residents informing them of the e-waste service?

Thank you in advance for your replies on this topic.

Mo Hansen | Clerk/Treasurer | [City of Waterloo](http://CityofWaterloo.com) | 920.478.3025

Mo Hansen

From: Chad Yerges
Sent: Thursday, December 31, 2020 9:15 AM
To: Mo Hansen
Subject: RE: New info for pesticide/herbicide committee discussion?
Attachments: Knock-Out-Info.pdf; Aero Knock Out SDS.pdf

Mo

I really don't have much. The Knock-out product I tried last fall seemed to work but it is around \$ 250.00 per five gallon pale.

Chad Yerges
City of Waterloo – DPW Director
211 Hendricks Street
Waterloo, WI 53594

(920) 478-3025

From: Mo Hansen <mhansen@waterloowi.us>
Sent: Thursday, December 31, 2020 8:04 AM
To: Chad Yerges <dpw@waterloowi.us>
Cc: Jeanette Petts <alder4-5@waterloowi.us>
Subject: New info for pesticide/herbicide committee discussion?

Chad,
If you have meeting packet info please forward. Thanks.

Mo Hansen | Clerk/Treasurer | [City of Waterloo](#) | 920.478.3025

aero herbicides

Our AERO® line of Herbicides consists of a full range of non-selective weed killers, including oil and water-based products, liquids and granular, non-residuals and soil sterilants.

HIGHLIGHTS

- Non-selective
- Soil sterilant
- Fast burn-down of weeds
- Oil-based

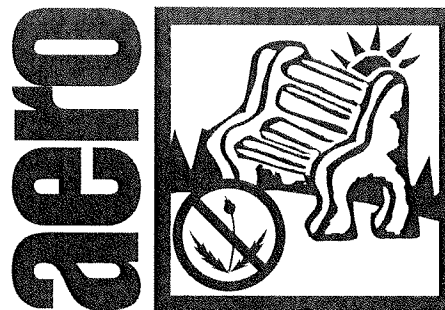
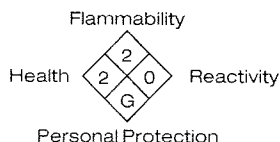
TYPICAL PROPERTIES

- Specific Gravity: **0.89**
- Bromacil: **0.98%**
- Isooctyl ester of 2-4-D: **1.09%**
- Petroleum Oil: **97.93%**
- Density: **7.4 lbs/gal**
- Coverage:
Annual Weeds: **1-2 gal/1000 sq/ft**
Perennial Weeds: **3-5 gal/1000 sq/ft**
- Appearance: **Brown liquid**
- Odor: **Petroleum**

SAFETY CAUTIONS

- Keep out of reach of children.
- May be fatal if swallowed, absorbed through skin or inhaled. Causes skin irritation. Do not breathe spray mist. Do not get in eyes or on clothing.
- Refer to M.S.D.S. and product label for additional safety information and directions for use.

HMIS RATINGS



Knock Out Ready-to-use Non-selective Weed Killer

Controls weeds and grasses through foliage and root contact

This product is a ready-to-use solvent-based non-selective weed killer. It contains two active ingredients (hence the name Double Kill): Bromacil, which controls weeds through root contact and gives season-long residual control, and 2-4-D which controls weeds through foliage and gives immediate weed burn-down. This weed killer is particularly effective in areas where undesirable vegetation is tall and well-established.

APPLICATION- May be used to kill most weeds and grasses on parking lots, fence rows, loading ramps, railroad sidings, storage yards, around buildings and industrial plant sites.

DIRECTIONS- To control most weeds for an extended period of time on non-cropland areas, such as: parking lots, fence rows, loading ramps, railroad sidings, storage yards, around buildings and industrial plant sites, apply 2-3½ gallons per 1,000 sq. ft. (80-150 gallons per acre). To control annual weeds and grasses such as foxtail, ryegrass, wild oats, crabgrass, cheatgrass, broomsedge, ragweed, lambsquarter and turkey mullein, apply 1-2 gallons per 1,000 sq. ft. (40-80 gallons per acre). For other hard-to-kill perennial weeds and grasses, such as Johnsongrass, saltgrass, bouncing bet, bracken fern and horsetail, apply 3½ gallons per 1,000 sq. ft. (150 gallons per acre).





Atlanta, GA / Dallas, TX

Safety Data Sheet

Knock Out

Section 1 Identification

Trade Name: Knock Out
Product Identification: 6669
Synonyms: Solvent blend
Product Use Description:
Herbicide

General Info Phone: (800) 795-9222
Emergency Phone: (800) 535-5053

Supplier:
ABC Compounding Co., Inc.
6970 JONESBORO RD
Morrow, GA 30260

Section 2 Hazards Identification

Classifications

- Flammable liquids - Category 3
- Aspiration Hazard - Category 1
- Carcinogenicity - Category 2
- Germ Cell mutagenicity - Category 2
- Eye Irritation - Category 2
- Skin Irritation - Category 2
- Skin Sensitization - Category 1
- Specific Target Organ Toxicity (single exposure) - Category 3



Flammable



Irritant



Health Hazard

Signal Word: Danger

Hazard Statements

- Keep out of reach of children.
- Read label and SDS before use.
- Suspected of causing cancer
- Suspected of causing genetic defects.
- May cause respiratory irritation
- May cause drowsiness or dizziness.
- Causes serious eye damage and skin irritation.
- May cause an allergic skin reaction
- May be fatal if swallowed and enters airways.
- Flammable liquid and vapor.

Precautionary Statements

Prevention

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing fumes
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves.
- Wear eye or face protection.

Trade Name: Knock Out
SDS ID: SDS00566

SDS #: 6669
Revision #: 1

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Atlanta, GA / Dallas, TX

Safety Data Sheet

Knock Out

Contaminated clothing must not be allowed out of the workplace.
Keep away from heat, sparks, open flames and hot surfaces. -No smoking.
Use explosion-proof electrical/ventilating/lighting/handling/process equipment.
Use only non-sparking tools. Take precautionary measures against static discharge.
Keep container tightly closed.
Do not eat, drink or smoke when using this product.

Response

IF SWALLOWED: Immediately call a poison center. Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs get medical attention.
Take off contaminated clothing and wash before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a poison center or a physician
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison center or doctor if you feel unwell.
IN CASE OF FIRE: Use carbon dioxide, foam or dry chemical to extinguish.
IF EXPOSED or CONCERNED: Get medical attention.

Storage

Keep container tightly closed. Ground/bond container and receiving equipment.
Store locked up in a well-ventilated place. Keep cool.

Disposal

Dispose of contents and container in accordance with all local, regional, and national regulations.

Hazards Not Otherwise Specified

Not applicable

Section 3 Composition

<u>Chemical Name</u>	<u>CAS #</u>	<u>Concentration % by Weight</u>
Fuels, diesel, no. 2	68476-34-6	>=75 <= 85
Solvent naphtha, petroleum, heavy aromatic	64742-94-5	>=10 <= 15
Diethylene Glycol Ethyl Ether	111-90-0	>=1 <= 5
Isooctyl (2-ethylhexyl) Ester of 2,4-D	1928-43-4	=1.09
Bromacil	314-40-9	=0.98
Naphthalene	91-20-3	<= 1

Section 4 First Aid



Atlanta, GA / Dallas, TX

Safety Data Sheet

Knock Out

EMERGENCY OVERVIEW

DANGER: Flammable/combustible liquid. Harmful or fatal if swallowed. Aspiration hazard if swallowed. Vapor harmful. Keep away from heat and flame. Can cause nervous system depression.

EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

SKIN: Wash with plenty of soap and water. If skin irritation occurs get medical attention. Take off contaminated clothing and wash it before reuse.

INHALATION: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

INGESTION: Harmful or fatal if swallowed. Seek medical attention immediately. Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Section 5 Fire Fighting Measures

Suitable fire extinguishing media:

Use water spray, fog or foam.

Specific hazards arising from the chemical:

Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Runoff to sewer may create fire hazard.

Hazardous thermal decomposition products:

Carbon Dioxide, Carbon Monoxide

Specific fire-fighting methods:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire fighters:

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

Section 6 Accidental Release Measures

Personal precautions:

Put on appropriate personal protective equipment (see section 8)

Environmental precautions and clean-up methods:

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all ignition sources. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.



Atlanta, GA / Dallas, TX

Safety Data Sheet

Knock Out

Section 7 Handling and Storage

Do not get in eyes, on skin or on clothing. Avoid breathing sprays and vapors. Avoid skin contact. Keep out of reach of children.

Do not use or store near heat, sparks or open flame. Store in a cool, dry place. Ground/bond container and receiving equipment. Use explosion-proof ventilating and equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Section 8 Exposure Controls/Personal Protection

Diethylene Glycol Ethyl Ether

ACGIH TLV 25 ppm
OSHA PEL 25 ppm

Fuels, diesel, no. 2

ACGIH TLV 100 mg/m3

Isooctyl (2-ethylhexyl) Ester of 2,4-D

ACGIH TLV 10 mg/m3
OSHA PEL 10 mg/m3

Naphthalene

ACGIH TLV 10 ppm
OSHA PEL 10 ppm

Eye Protection: Wear safety glasses or goggles.

Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene).

Respiratory Protection: When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

Engineering Controls: Good general ventilation required.

Section 9 Physical and Chemical Properties

Property	Value		
Appearance	CLEAR LIQUID	Auto Ignition Temp	NOT AVAILABLE
Boiling Point	NOT AVAILABLE	Color	YELLOW
Decomposition Temperature	NOT AVAILABLE	Evaporation Rate	NOT AVAILABLE
Explosive Limit Ranges	NOT AVAILABLE	Explosive Properties	NOT AVAILABLE
Flash Point	125 F	Melting/Freezing Point	NOT AVAILABLE
Odor	SOLVENT	Odor Threshold	NOT AVAILABLE
Other Information	VOC content (wt. %): 80	Oxidizing Properties	NOT AVAILABLE
Partition Coeff	NOT AVAILABLE	Physical State	LIQUID
Relative Density	0.8	Solubility (Water)	INSOLUBLE
Vapor Density	NOT AVAILABLE	Vapor Pressure	NOT AVAILABLE
Viscosity	NOT AVAILABLE	pH	NOT APPLICABLE

Section 10 Stability and Reactivity

Reactivity : Under normal conditions of storage and use, hazardous reactions will not occur.

Chemical Stability : Stable under normal conditions.

Incompatible Materials : Acids, strong oxidizers.



Atlanta, GA / Dallas, TX

Safety Data Sheet

Knock Out

Conditions to Avoid : High temperatures, open flames, sparks, welding.

Decomposition Products: CO, CO₂

Vapors may ignite at temperatures exceeding flash point.

Section 11 Toxicological Information

Primary Route of Entry: Skin contact, inhalation, ingestion

Acute/Potential Health Effects:

EYES: May cause serious eye irritation. Symptoms include stinging, tearing and redness.

SKIN: May cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying of skin and skin burns.

INHALATION: High vapor/aerosol concentrations (>1000 ppm) are irritating to the eyes and respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. May cause peripheral nervous system disorder and/or damage.

INGESTION: Harmful or fatal if swallowed. Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Chronic / Long Term Effects: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Signs and Symptoms of Overexposure: Signs and symptoms of overexposure to this material through breathing, swallowing, and/or passage of material through the skin may include: stomach or intestinal upset (nausea vomiting, diarrhea) irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

Target Organ Effects: Central nervous system, skin.

Reproductive/Developmental Information: Suspected genetic cell mutagen.

Carcinogenic Information: Diesel fuel: ACGIH - A3; Naphthalene: NTP - Possible Select Carcinogen, IARC - Group 2B

WARNING: This product contains chemicals known to the State of California to cause cancer.

Acute Toxicity Values:

Bromacil: Oral LD50 (rat) 1723 mg/kg; 2,4-D Oral LD50 (rat) 896 mg/kg.

Section 12 Ecological Information

2,4-D: 96-hour LC50 Rainbow Trout: 7.2 mg/l.

Bromacil: 96-hour LC50 Rainbow Trout: 38 ppm.

Section 13 Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

Section 14 Transport Information

Trade Name: Knock Out
SDS ID: SDS00566

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Safety Data Sheet

Knock Out

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

NOT REGULATED FOR GROUND DOMESTIC NON-BULK SHIPMENTS

Section 15 Regulatory Information

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act)

Naphthalene

CERCLA RQ (40 CFR 302)

Naphthalene

100 lbs

Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (40 CFR 372.65)

Diethylene Glycol Ethyl Ether

Isooctyl (2-ethylhexyl) Ester of 2,4-D

Bromacil

Naphthalene

If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS.

If identified components of this product are listed under Section 313, this product contains toxic chemicals subject to the reporting requirements of Section 313. This information must be included in all SDS that are copied and distributed for this material.

Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic (X) Fire (X) Pressure () Reactive () Not Applicable ()

T.S.C.A. Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA Code(s)

D001, D016

FIFRA information

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Signal word: CAUTION. Hazard statement: Harmful if absorbed through skin. Harmful if inhaled.

Section 16 Other Information

HMIS Ratings :

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SDS ID: SDS00565

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Atlanta, GA / Dallas, TX

Safety Data Sheet

Knock Out

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	G

Disclaimer: This Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

Preparation/Revision Date: 5/19/15

CITY OF WATERLOO, WISCONSIN

2021 ADAMS STREET ROADWAY AND UTILITIES RECONSTRUCTION

UTILITIES

DEPT. OF PUBLIC WORKS AND SEWER UTILITY

211 HENDRIX ST
 WATERLOO, WI 53594
 PHONE: 920-478-9797
 CONTACT: CHAD YERGES
 EMAIL: DPW@WATERLOO.WI.US

MUNICIPAL WATER

WATERLOO UTILITIES
 575 COMMERCIAL AVE.
 WATERLOO, WI 53594
 PHONE: 920-478-2260
 CONTACT: BARRY SORENSON
 EMAIL: BSORENSON@WPIENERGY.ORG

GAS

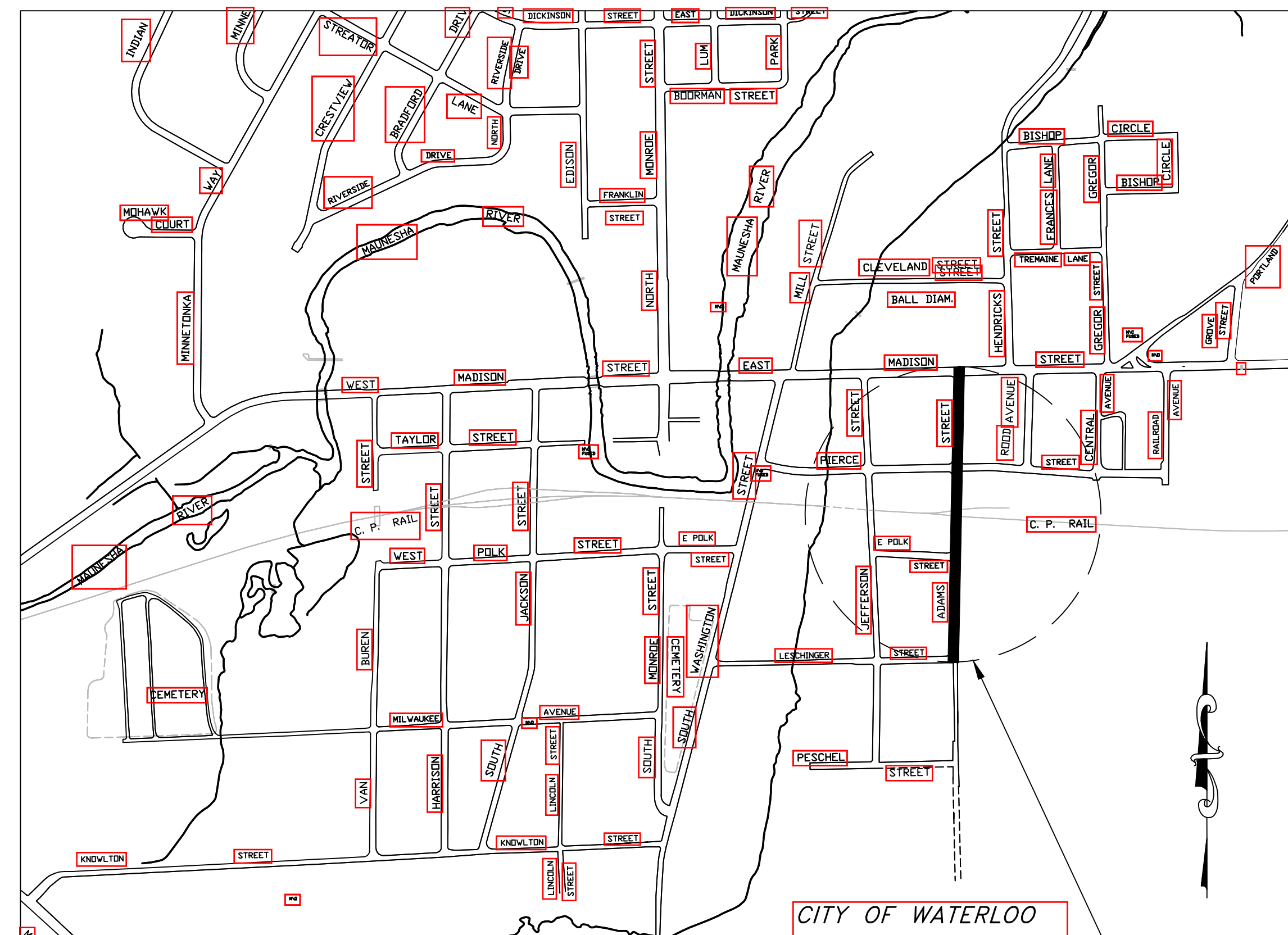
WE ENERGIES
 EMAIL: WE-UTILITY-RELOCATIONS@WE-ENERGIES.COM

TELEPHONE

FRONTIER COMMUNICATIONS
 2222 WEST WI ST.
 PORTAGE, WI 53901
 PHONE: 608-742-9507
 CONTACT: JERRY MOORE
 EMAIL: JERALD.R.MOORE@FTR.COM

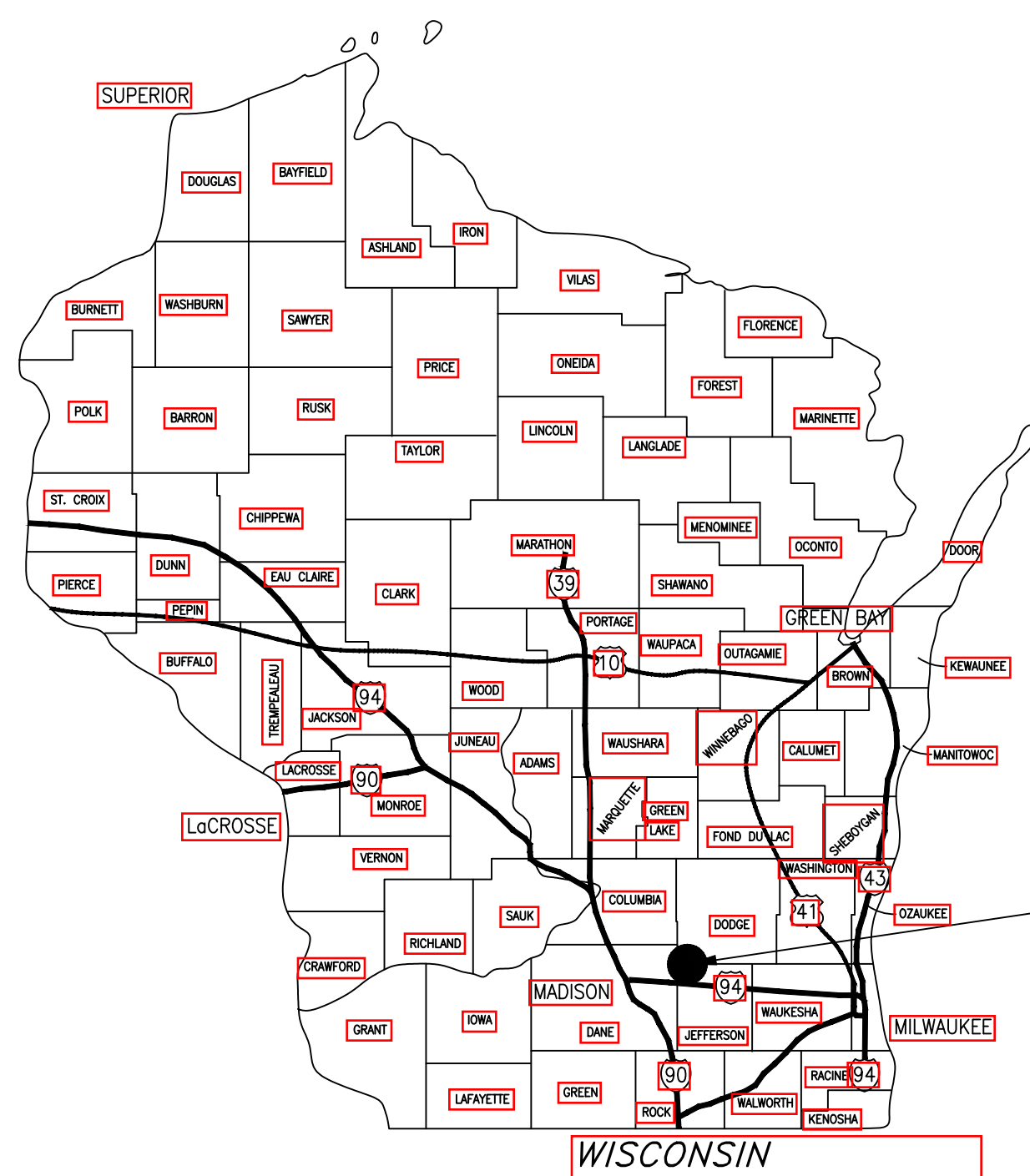
CABLE TELEVISION

CHARTER COMMUNICATIONS
 2701 DANIELS STREET
 MADISON, WI 53718
 PHONE: 920-349-3202 (EX.72523)
 CONTACT: RONALD FRASE
 EMAIL: RONALD.FRASE@CHARTER.COM

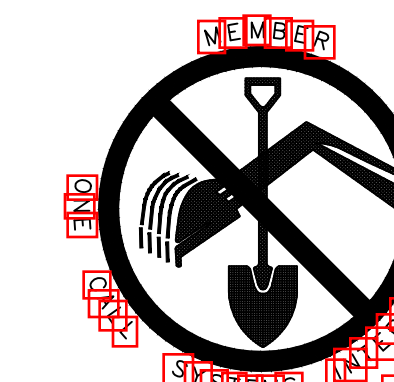


INDEX OF SHEETS

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PROJECT LOCATION
 NTS



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE

811

TOLL FREE 1-800-242-8511

EMERGENCY # ONLY 1-877-500-9592

TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WWW.DIGGERSHOTLINE.COM

WISCONSIN STATUTE 182.0175 (1974)
 REQUIRES MINIMUM OF 3 WORK DAYS
 NOTICE BEFORE YOU EXCAVATE.

PROJECT #
 KU20.1055

KUNKEL
 engineering
 group
 107 Parallel Street
 Beaver Dam, WI 53916
 (920)356-9447
 Fax (920)356-9454

STANDARD ABBREVIATIONS

BCAM	BLOCK CORNER MONUMENT	MH	MANHOLE	WM	WATERMAIN
IP	IRON PIPE	WV	WATER VALVE	WS	WATER SERVICE
RB	REBAR	AV	AUXILIARY VALVE	GRD	GRADE
CB	CATCH BASIN	UP	UTILITY POLE	PT, PNT	POINT
CP	CONTROL POINT	PP	POWER POLE	R, RAD	RADIUS
ROW, R/W	RIGHT OF WAY	LP	LIGHT POLE	ST	STREET
PL	PROPERTY LINE	STM	STORM	RD	ROAD
PR, PROP	PROPOSED	INL	INLET	APPROX	APPROXIMATE/ APPROXIMATELY
EX, EXIS	EXISTING	SAN	SANITARY	SWR	SEWER
TBR	TO BE REMOVED	CS	CURB STOP	HYD	HYDRANT
TBA	TO BE ABANDONED	C/L	CENTER LINE	F/L	FLOW LINE
CSW	CONCRETE SIDEWALK	STA	STATION	INV.	INVERT
DRWY	DRIVEWAY	OFF	OFFSET	EL, ELEV	ELEVATION
CONC	CONCRETE	BOC, B/C	BACK OF CURB	LPT	LOW POINT
ASPH	ASPHALT	TOC, T/C	TOP OF CURB	HPT	HIGH POINT
GRAV	GRAVEL	BOW, B/W	BACK OF WALK	M/L	MATCH LINE
PAVT	PAVEMENT	FOW, F/W	FRONT OF WALK	PE	POLYETHYLENE
CL	CLASS	ER	END OF RADIUS		
RCP	REINFORCED CONC. PIPE	VERT	VERTICAL		
PVC	POLY-VINYL CHLORIDE	HORI	HORIZONTAL		
DI	DUTILE IRON	BVC	BEGINNING OF VERT. CURVE		
NTS	NOT TO SCALE	EVC	END OF VERT. CURVE		
VIF	VERIFY IN FIELD	LVC	LENGTH OF VERT. CURVE		
TYP	TYPICAL	PVI	POINT OF VERT. INTERSECTION		

STANDARD SYMBOLS

	BLOCK CORNER MONUMENT		LIGHT POLE		STORM SEWER
	PROPERTY CORNER MONUMENT		UTILITY POLE		SANITARY SEWER
	CONTROL POINT		PEDESTAL		WATER UTILITY
	BUSH		GUY WIRE		GAS UTILITY
	DECIDUOUS TREE (TRUNK DIAMETER INDICATED)		STORM INLET		UNDERGROUND TELEPHONE/CABLE UTILITY
	CONIFEROUS TREE (TRUNK DIAMETER INDICATED)		STORM MANHOLE		UNDERGROUND ELECTRIC UTILITY
	DRAINAGE FLOW DIRECTION		SANITARY MANHOLE		OVERHEAD ELECTRIC UTILITY
	TREE/BUSH TO BE REMOVED		WATER MANHOLE		RIGHT OF WAY
	INLET PROTECTION		FIRE HYDRANT		ROAD CENTER LINE
	TRACKING PAD		WATER VALVE		PROPERTY LINE
	DITCH CHECK/STRAW BALE		CURB STOP		SAWCUT LINE
	STANDARD TYPE-D CURB & GUTTER		UTILITY CROSS		FLOW DIRECTION
	STANDARD V-GUTTER		UTILITY TEE		RIPRAP

GENERAL NOTES

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

CROSS SLOPES AS SHOWN ON THE TYPICAL SECTION WILL VARY. SEE PROFILES FOR CURBED GRADES.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE BACK OF CURB, UNLESS OTHERWISE NOTED. ALL OTHER RADII ARE MEASURED TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN OR NOTED ON THE PLAN.

CURB AND GUTTER PLAN GRADES ARE TO THE TOP OF CURB LINE UNLESS OTHERWISE NOTED.

EXPANSION JOINTS TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER OR AT LOCATIONS SHOWN ON THE PLAN. CONSTRUCT INSIDE EDGE OF SIDEWALK 1/2 INCH HIGHER THAN TOP OF CURB WHEN THEY ARE ADJACENT TO EACH OTHER.

SAWCUTS, AS SHOWN ON PLANS, ARE AT SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

THE CLEAR ZONE IS 2 FEET BEHIND THE FACE OF THE CURB.
SIGN LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND THE EXACT LOCATIONS OF SIGNS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

PAVEMENT REMOVAL WILL BE TO THE NEAREST JOINT OR A SAWED EDGE WILL BE REQUIRED AS DIRECTED BY THE ENGINEER.

EXISTING DRAINAGE FACILITIES WILL REMAIN FUNCTIONAL DURING EXCAVATION OPERATIONS.

THE EXACT LOCATION AND LIMITS OF PRIVATE AND COMMERCIAL ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL EXISTING DRIVEWAYS ARE TO BE REPLACED IN KIND, UNLESS OTHERWISE NOTED.

ASPHALTIC COMMERCIAL AND PRIVATE ENTRANCES SHALL BE SAWCUT AS REQUIRED TO PROVIDE A CLEAN BUTT JOINT TO NEW WORK.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE OR PARKING LANE. ASPHALTIC SURFACE WEIGHT CALCULATIONS ARE BASED ON 120 LB/SY/IN.

WHEREVER ASPHALTIC CONCRETE PAVEMENT ABUTS OR OVERLAPS ONTO PORTLAND CEMENT CONCRETE, THE EXISTING PAVEMENT SHALL RECEIVE A TACK COAT OF RS-1 OR RS-2 EMULSIFIED ASPHALT. APPLICATION RATE FOR TACK COAT SHALL BE 0.05 GALLONS PER SQUARE YARD.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

THE EROSION CONTROL DEVICES AS SHOWN ON THE PAVING PLAN SHEETS ARE AT SUGGESTED LOCATIONS. THE EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR WILL COORDINATE WITH LOCAL BUSINESSES WHEN ACCESS TO THE BUSINESS WILL BE CLOSED OFF FOR SIDEWALK INSTALLATION AND ANY OTHER WORK THAT MAY IMPACT THE PEDESTRIAN ACCESS AS LAID OUT IN THE 'TRAFFIC CONTROL - PEDESTRIAN ACCESS' SECTION OF THE PLAN.

REMOVAL OF EROSION CONTROL DEVICES SHALL BE INCIDENTAL TO RESPECTIVE BID ITEMS.

PROJECT SUMMARY

ADAMS STREET FROM LESHINGER STREET TO E. MADISON STREET:

- ROADWAY & UTILITY IMPROVEMENT RECONSTRUCTION PROJECT.
- REPAIR SIDEWALK AS NEEDED AND DIRECTED BY THE OWNER/ENGINEER.
- NEW SIDEWALK APPROACHES, DRIVEWAY APPROACHES, ASPHALT PAVEMENT, BASE AGGREGATE TO BE INSTALLED.
- NEW WATERMAIN, SANITARY SEWER, AND STORM SEWER TO BE INSTALLED.
- NEW WATER SERVICES AND SANITARY LATERALS TO BE INSTALLED.



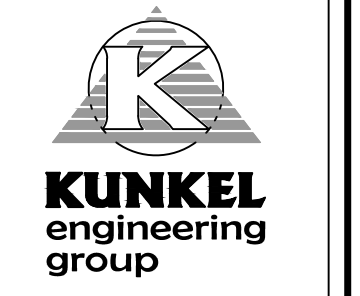
NOTE:
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NOT REVISED

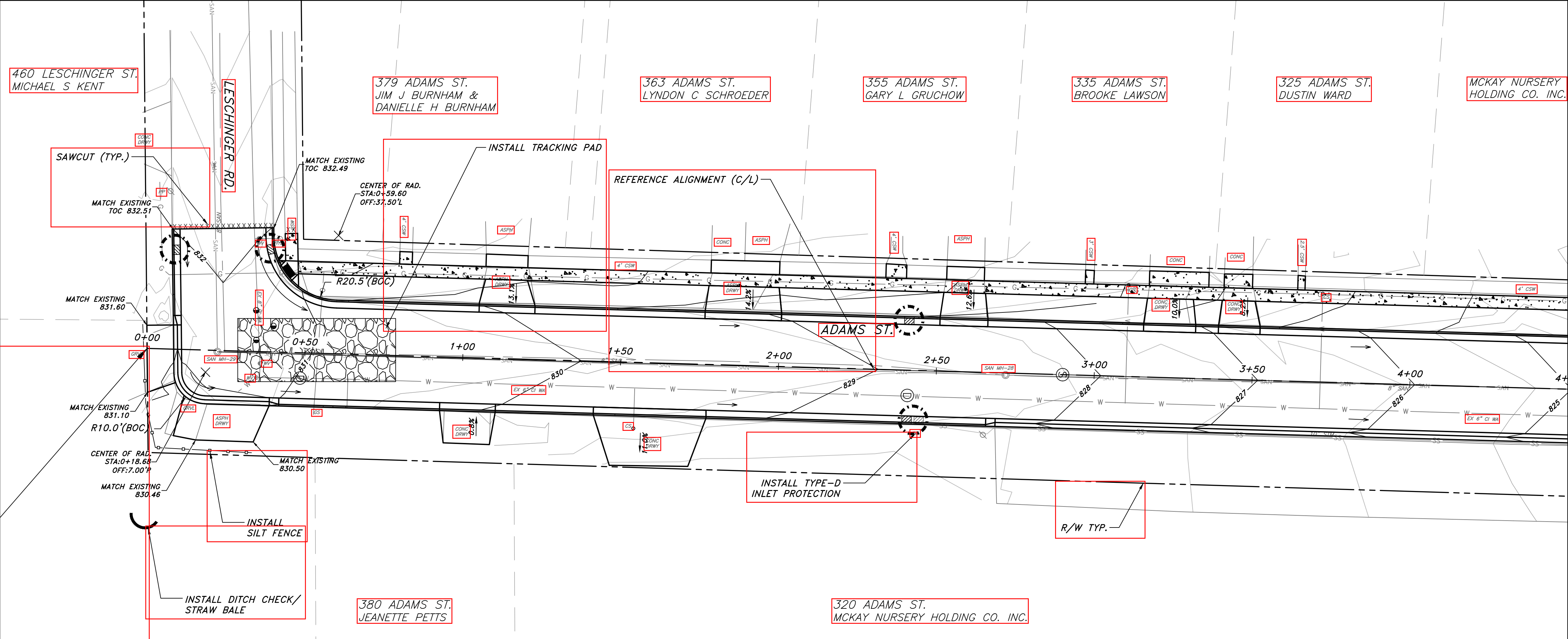
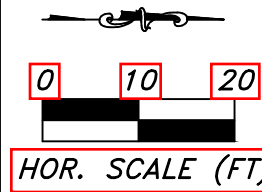
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PROJECT: #KUPD.1055
DATE: 07/07/2021
DRAWN BY: ZA
APPROVED BY: CK

CITY OF WATERLOO, WISCONSIN
2021 ADAMS STREET ROADWAY
AND UTILITIES RECONSTRUCTION
STANDARD SYMBOLS &
ABBREVIATIONS



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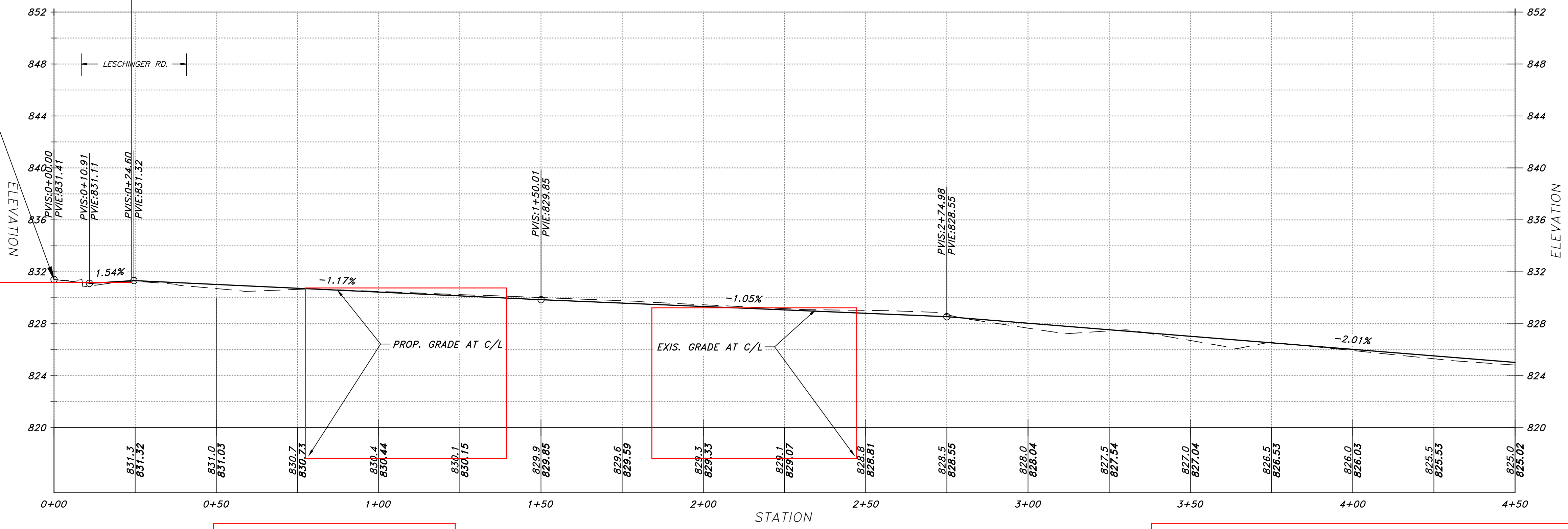
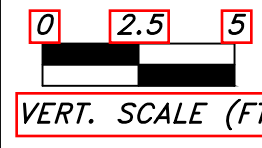
MATCH LINE AT STA. 4+50

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BEGINNING OF CONSTRUCTION STA. 0+00

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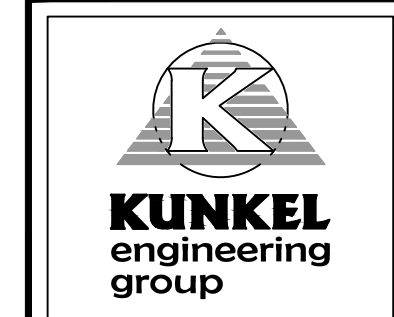


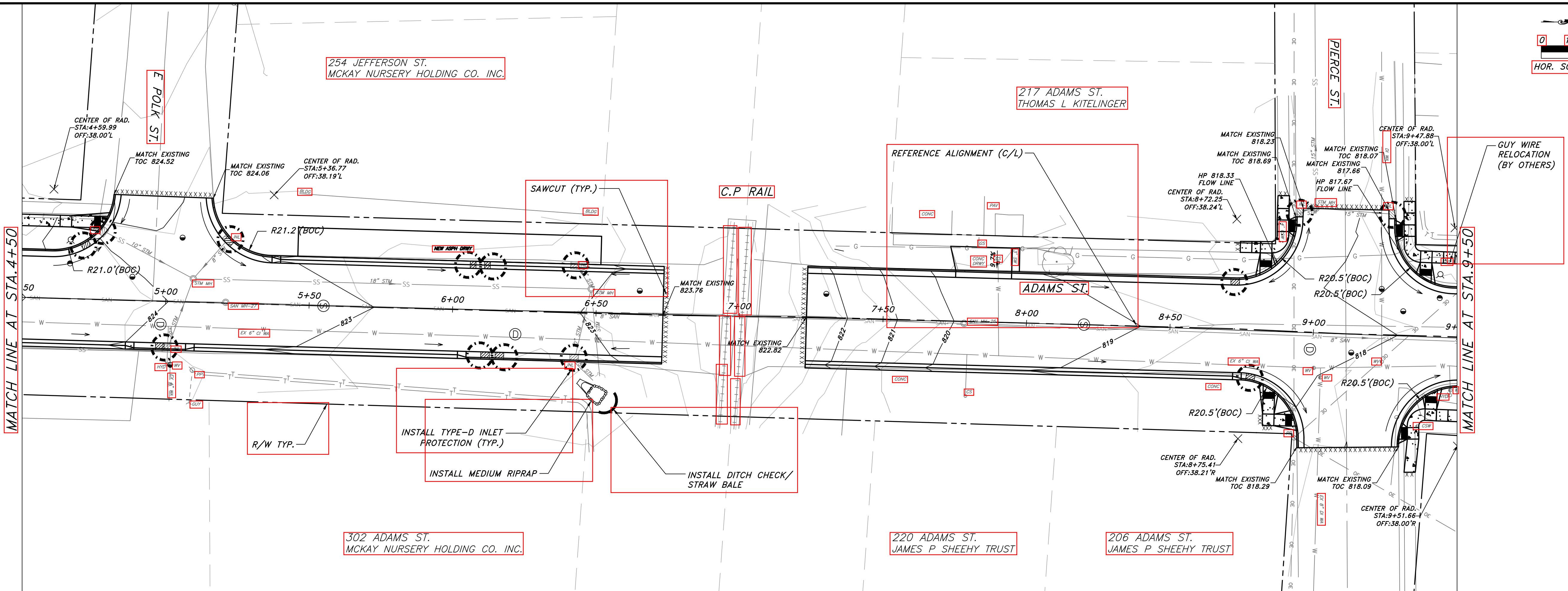
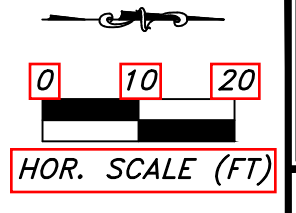
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ROADWAY PLAN & PROFILE

PROJECT: #K2020.1055
DATE: 07/07/2021
DRAWN BY: ZA
APPROVED BY: CK

CITY OF WATERLOO, WISCONSIN
2021 ADAMS STREET ROADWAY AND UTILITIES RECONSTRUCTION
 ROADWAY PLAN & PROFILE

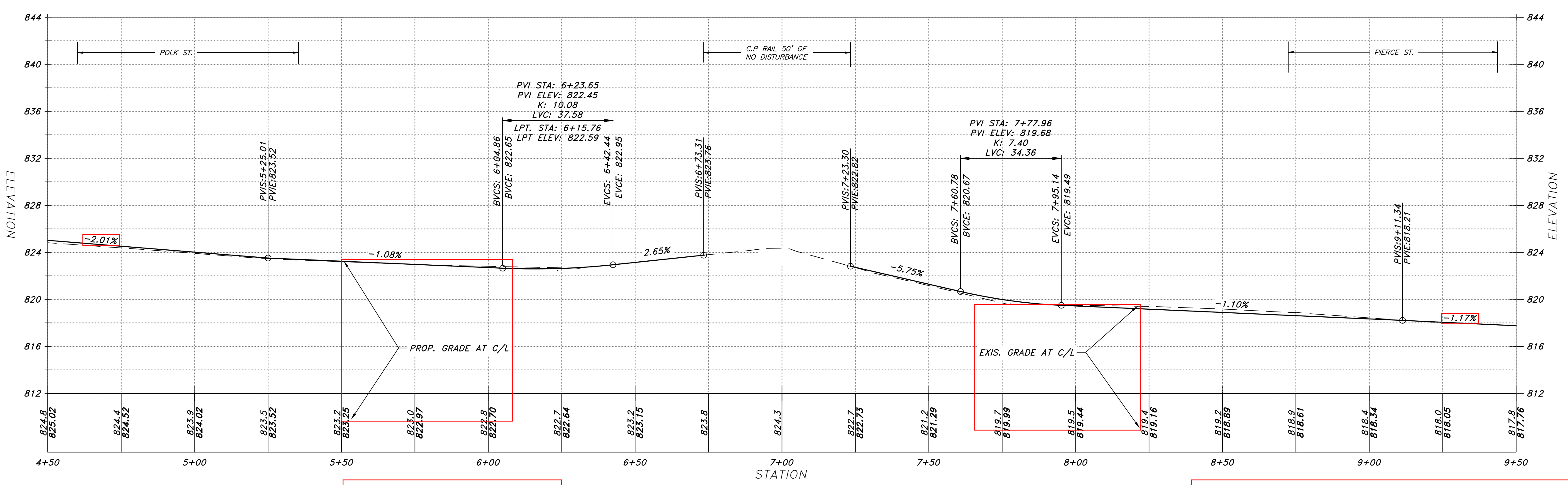
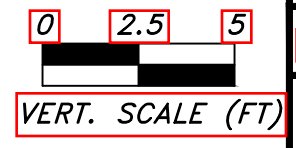




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NOT REVISED



SCALE: 1" = 20'H 5'V

PROJECT: #K20.1055

DATE: 07/07/2021

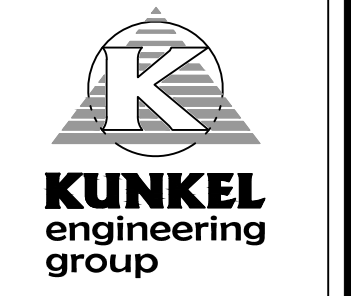
DRAWN BY: ZA

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CITY OF WATERLOO, WISCONSIN

2021 ADAMS STREET ROADWAY AND UTILITIES RECONSTRUCTION

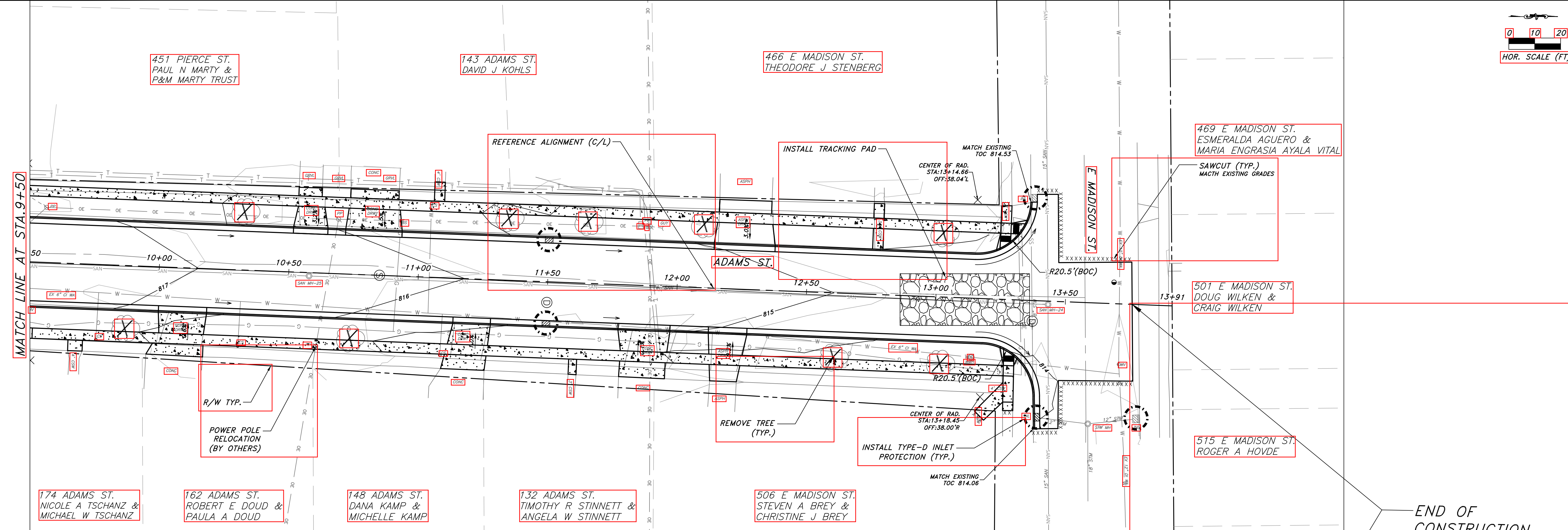
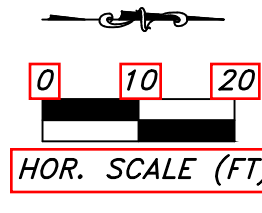
ROADWAY PLAN & PROFILE



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Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

PERMIT SET

ROADWAY PLAN & PROFILE



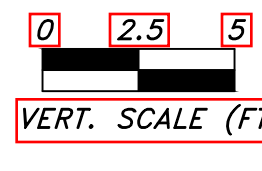
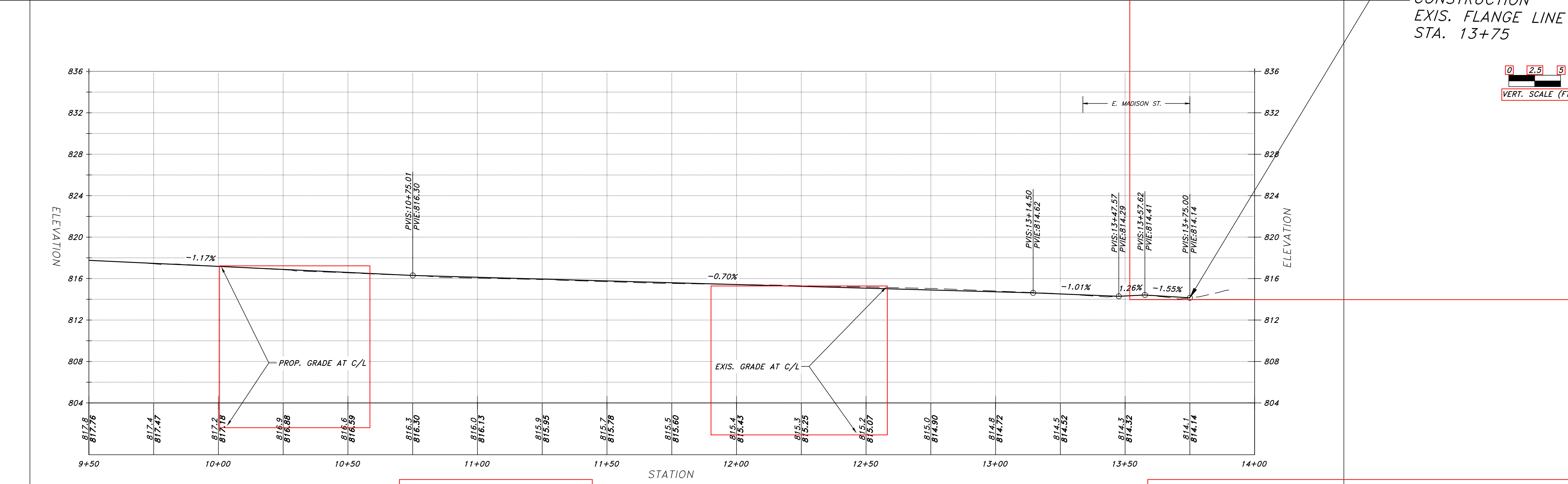
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NOT REVISED

SCALE: 1" = 20'H 5'V

PROJECT: #K20.1055	DRAWN BY: ZA	APPROVED BY: CK
DATE: 07/07/2021		



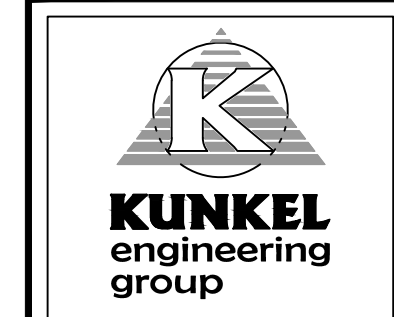
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ROADWAY PLAN & PROFILE

CITY OF WATERLOO, WISCONSIN

2021 ADAMS STREET ROADWAY AND UTILITIES RECONSTRUCTION

ROADWAY PLAN & PROFILE





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STA.0+60.00 TO STA.2+67.55

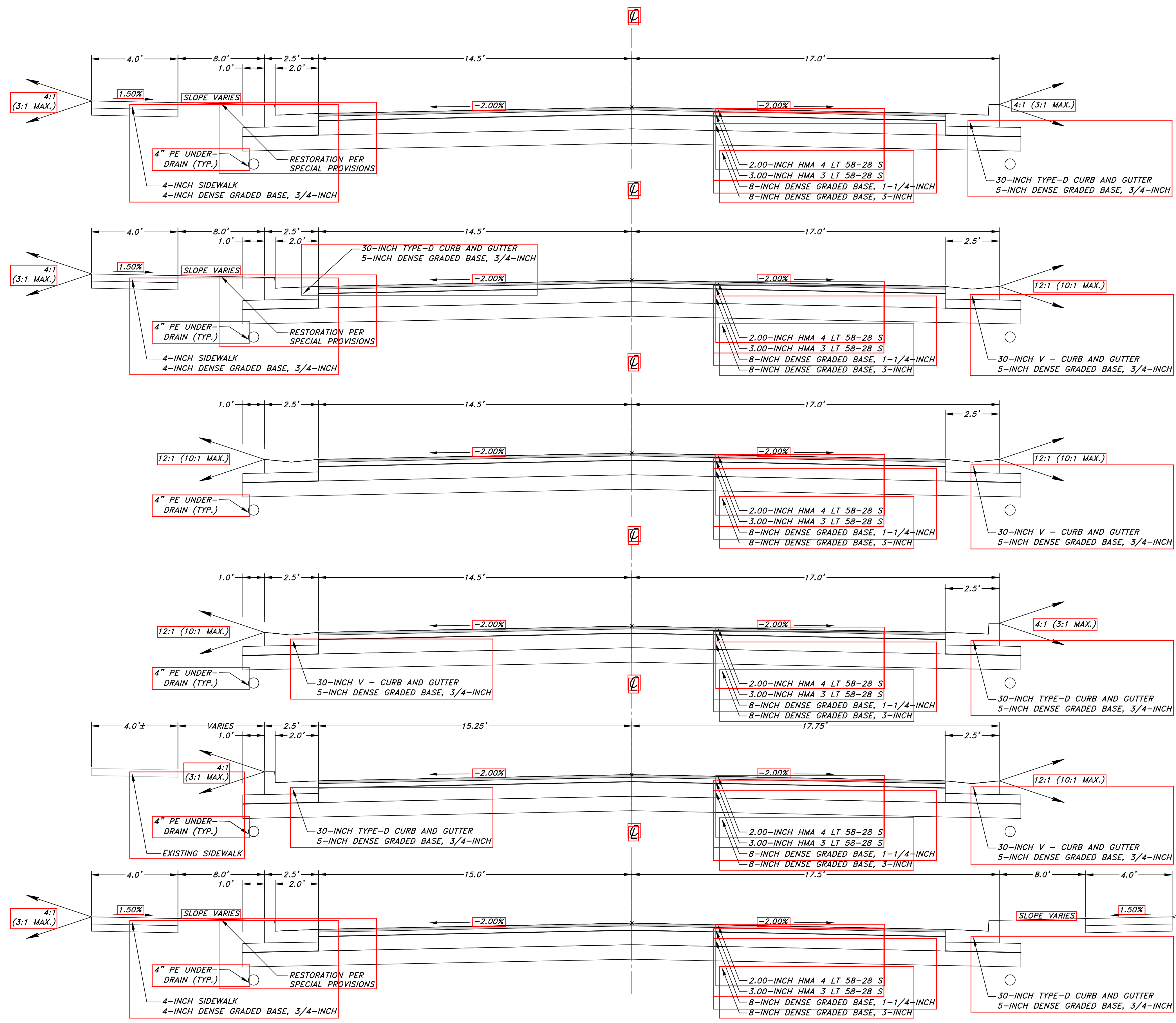
STA.2+67.55 TO STA.4+60.00

STA.5+39.70 TO STA.6+05.00

STA.6+05.00 TO STA.6+73.31

STA.7+23.30 TO STA.8+72.25

STA.9+51.75 TO STA.13+14.50



NOT REVISED

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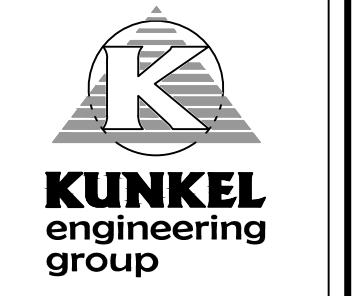
PROJECT: #K202.1055

DATE: 07/07/2021

DRAWN BY: ZA

APPROVED BY: CK

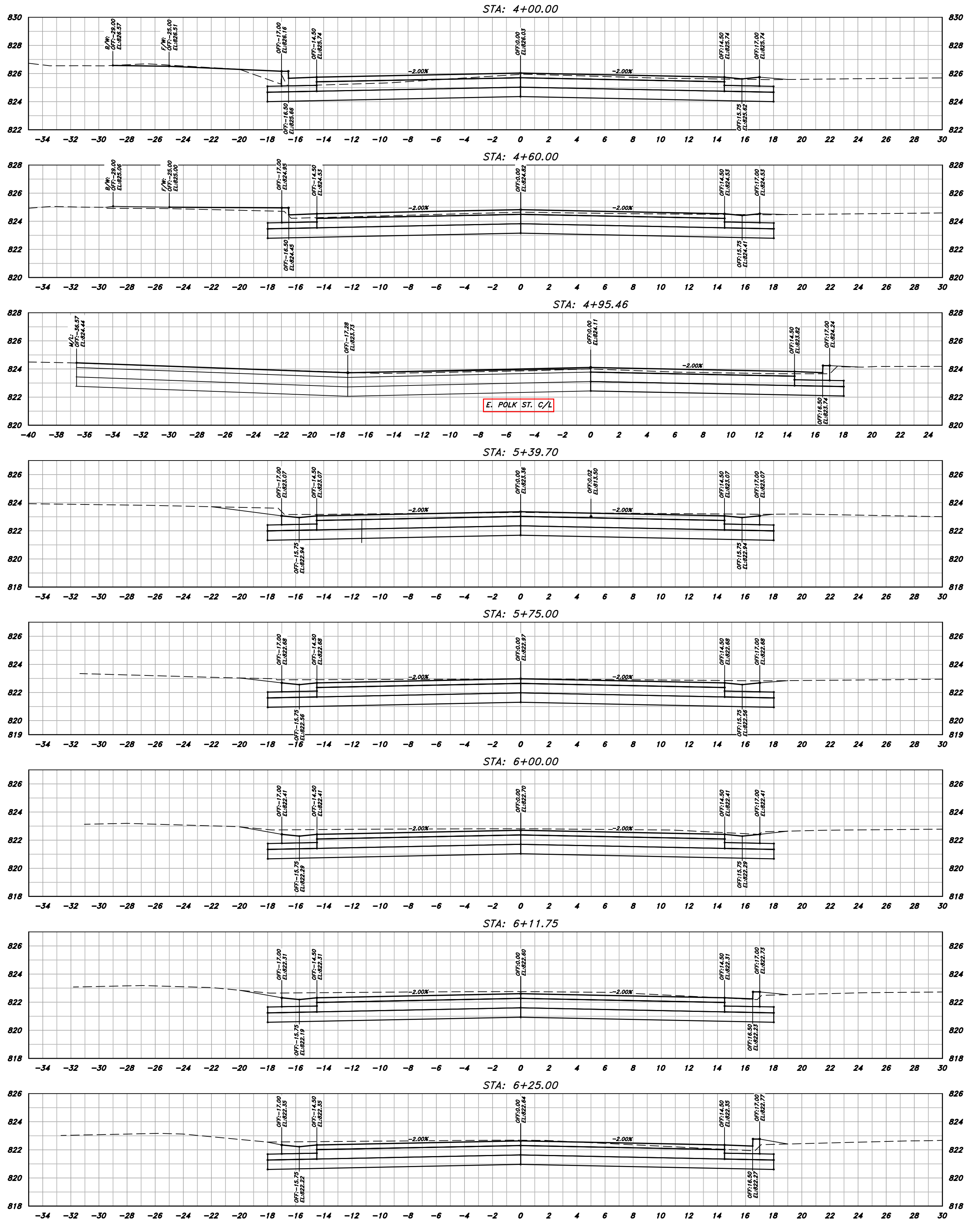
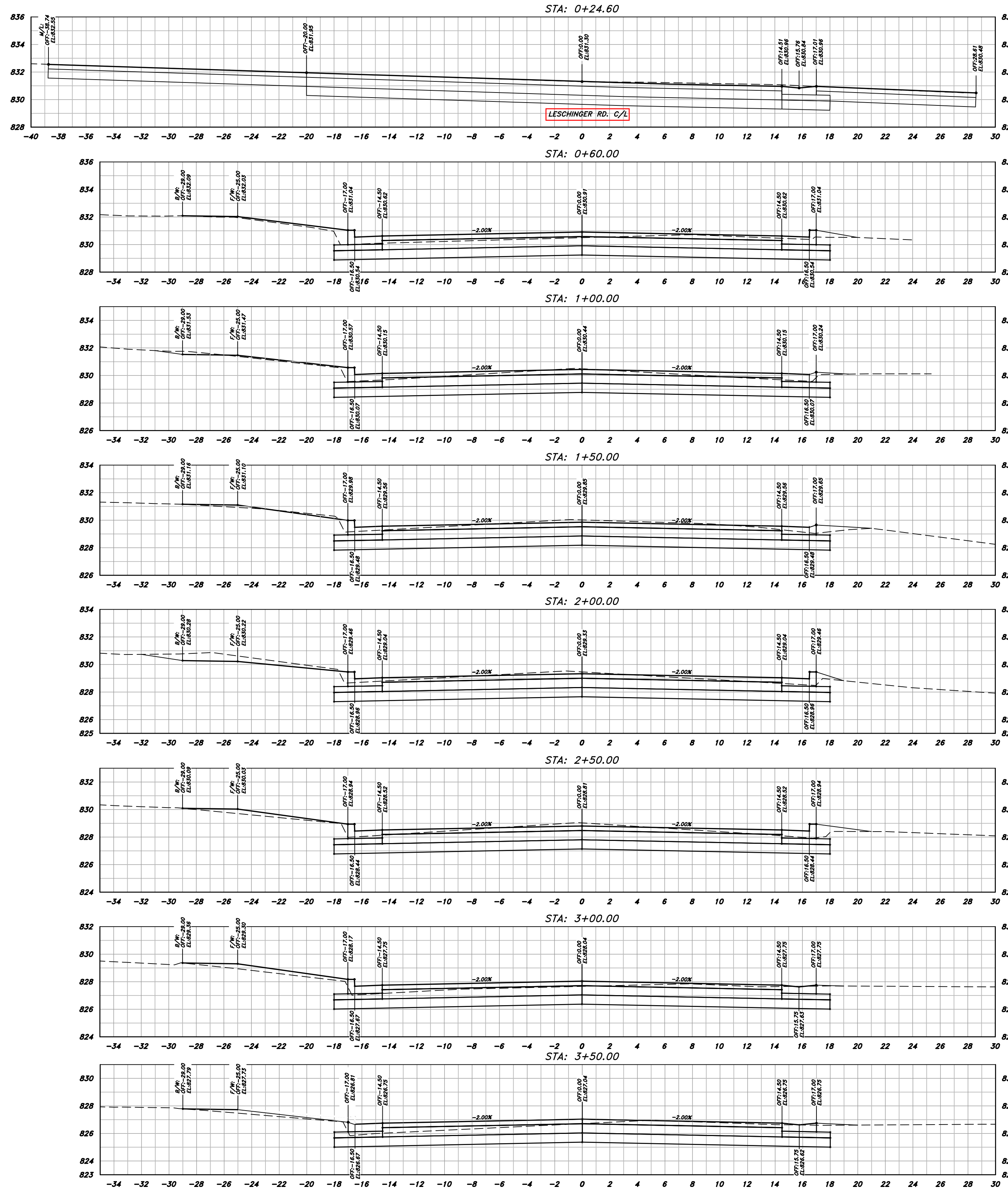
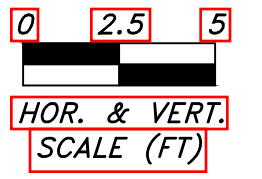
CITY OF WATERLOO, WISCONSIN
 2021 ADAMS STREET ROADWAY
 AND UTILITIES RECONSTRUCTION
 ROADWAY TYPICAL SECTIONS



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 (920)356-9447
 Fax (920)356-9454

PERMIT SET

ROADWAY TYPICAL SECTIONS



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NOT REVISED

SCALE: 1" = 5' H 5' V

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DATE: 07/07/2021
DRAWN BY: ZA
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CITY OF WATERLOO, WISCONSIN
2021 ADAMS STREET ROADWAY
AND UTILITIES RECONSTRUCTION
ROADWAY CROSS SECTIONS



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SHEET 7 OF 21

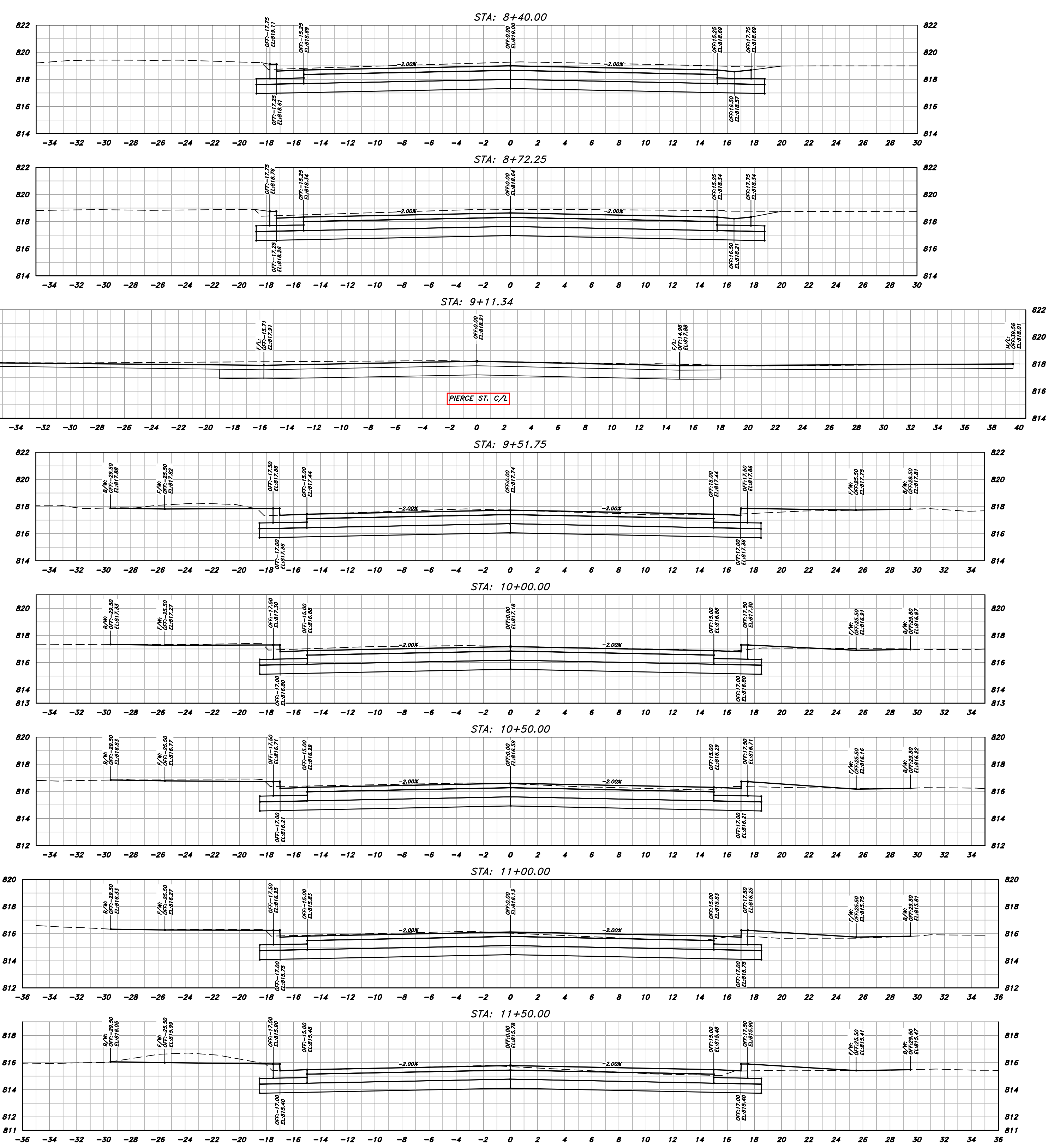
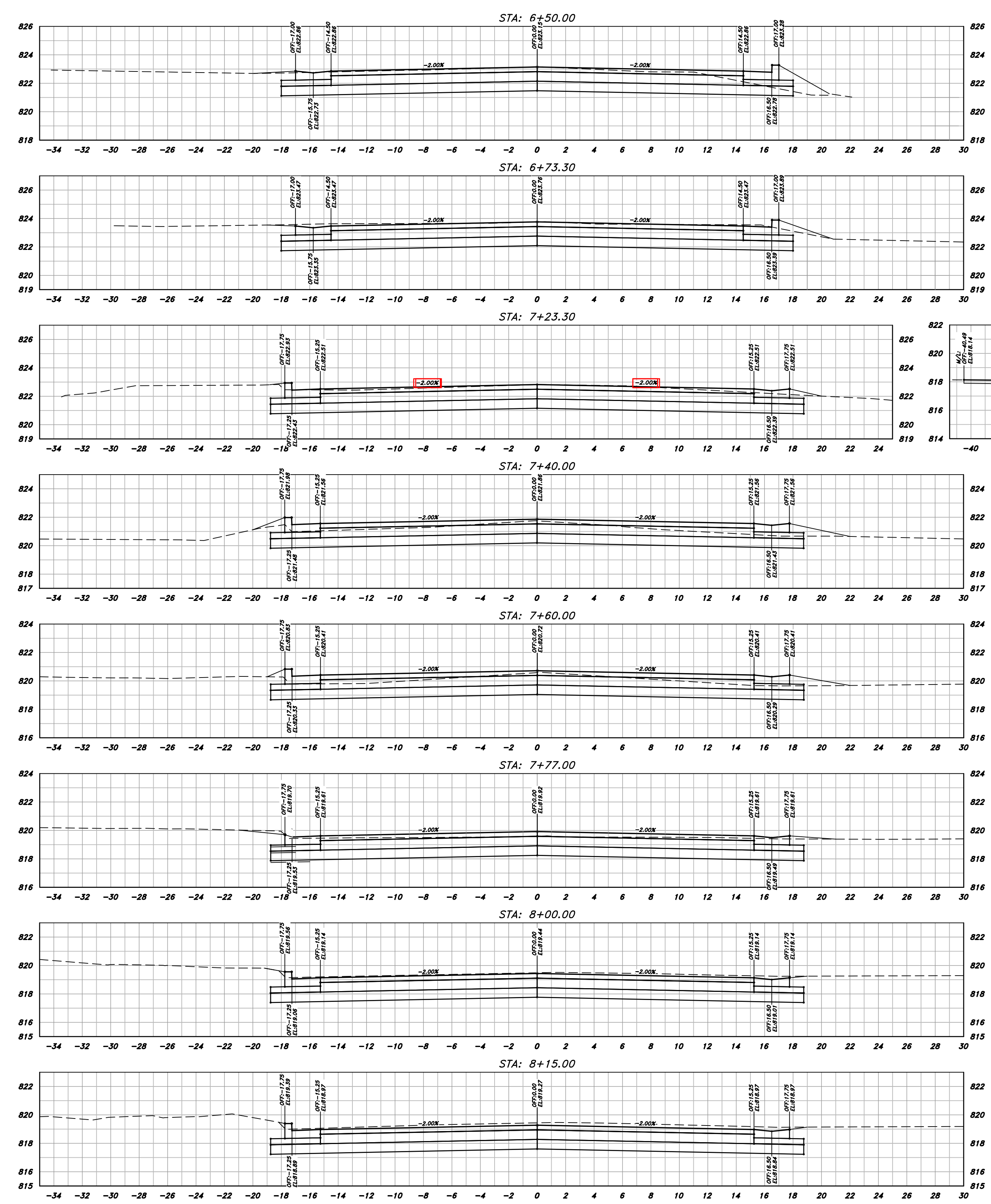
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PERMIT SET

ROADWAY CROSS SECTIONS



0 2.5 5
 HOR. & VERT.
 SCALE (FT)



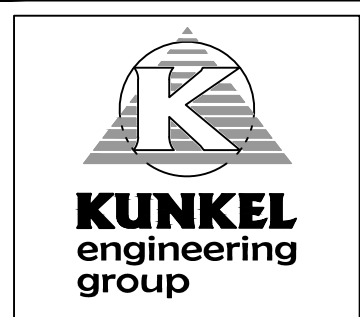
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NOT REVISED

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CITY OF WATERLOO, WISCONSIN
 2021 ADAMS STREET ROADWAY
 AND UTILITIES RECONSTRUCTION
 ROADWAY CROSS SECTIONS



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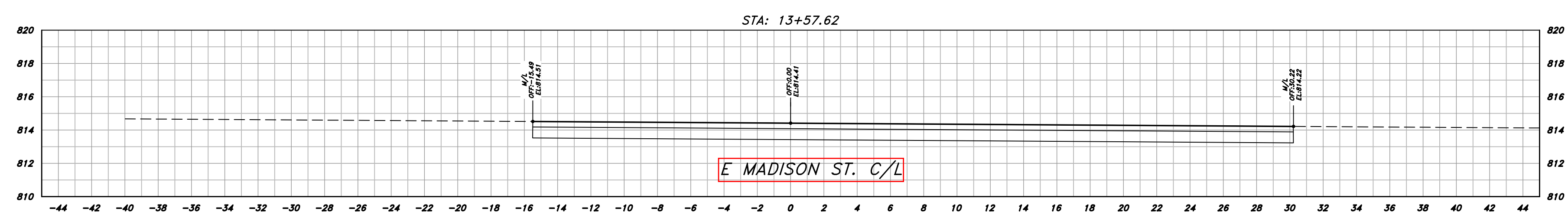
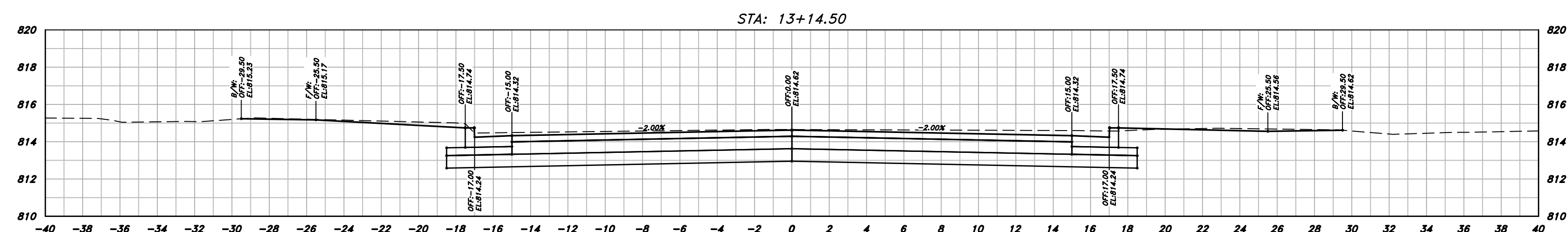
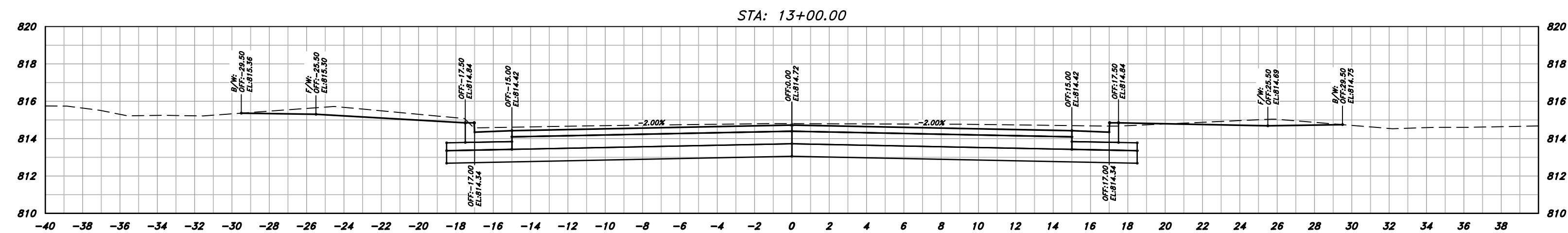
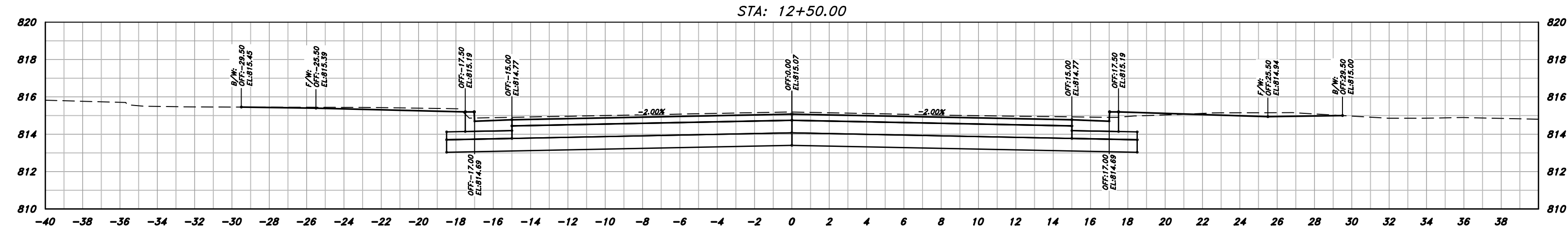
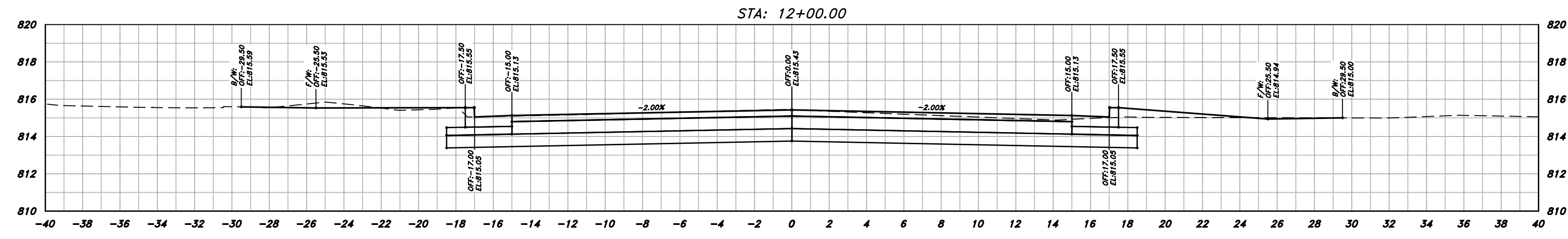
PERMIT SET

ROADWAY CROSS SECTIONS

SHEET 8 OF 21



0 2.5 5
 HOR. & VERT.
 SCALE (FT.)



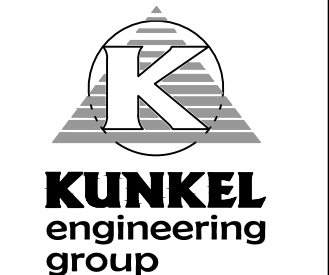
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NOT REVISED

SCALE: 1" = 5' H 5' V

PROJECT: K20.1055
 DATE: 07/07/2021
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CITY OF WATERLOO, WISCONSIN
 2021 ADAMS STREET ROADWAY
 AND UTILITIES RECONSTRUCTION
 ROADWAY CROSS SECTIONS

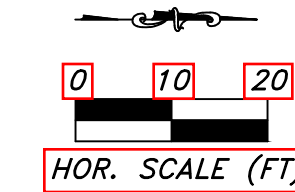
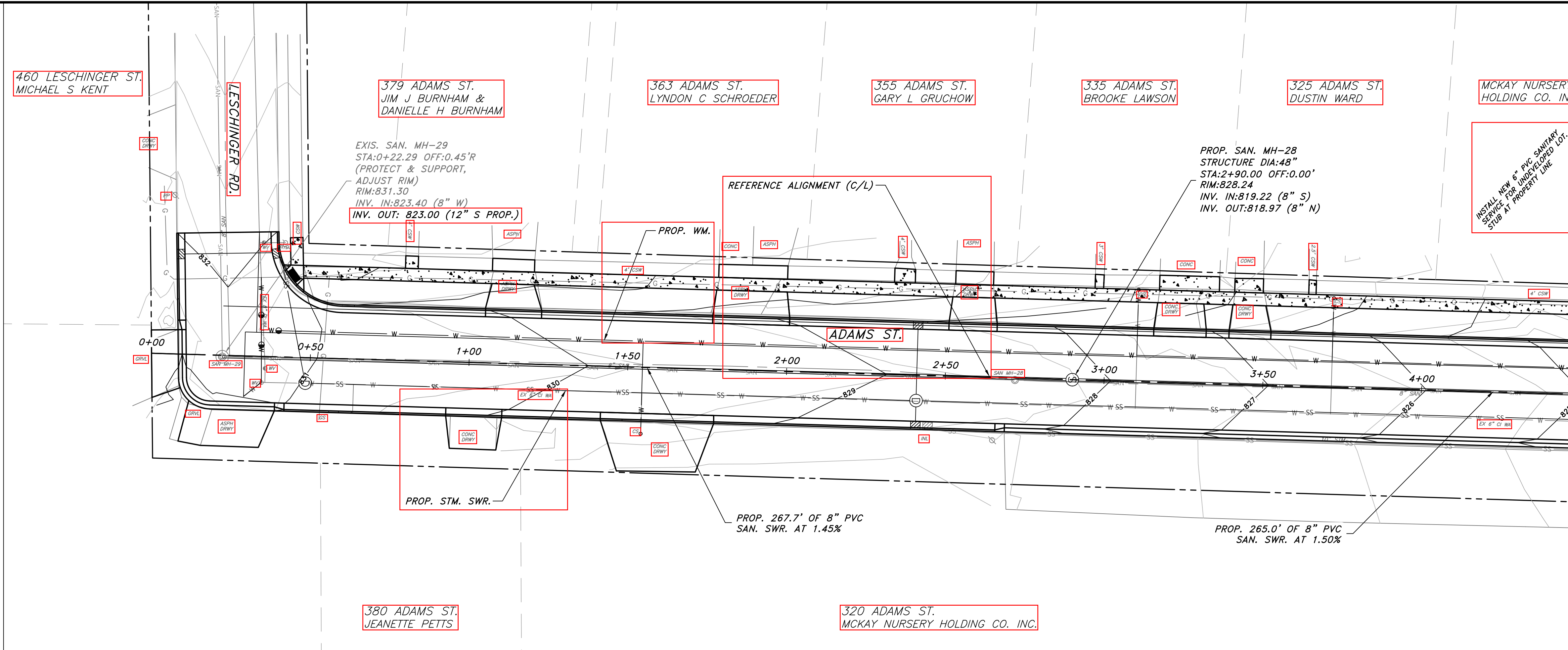


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SHEET 9 OF 21

PERMIT SET

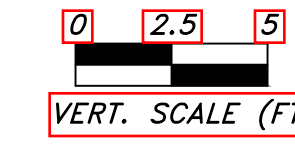
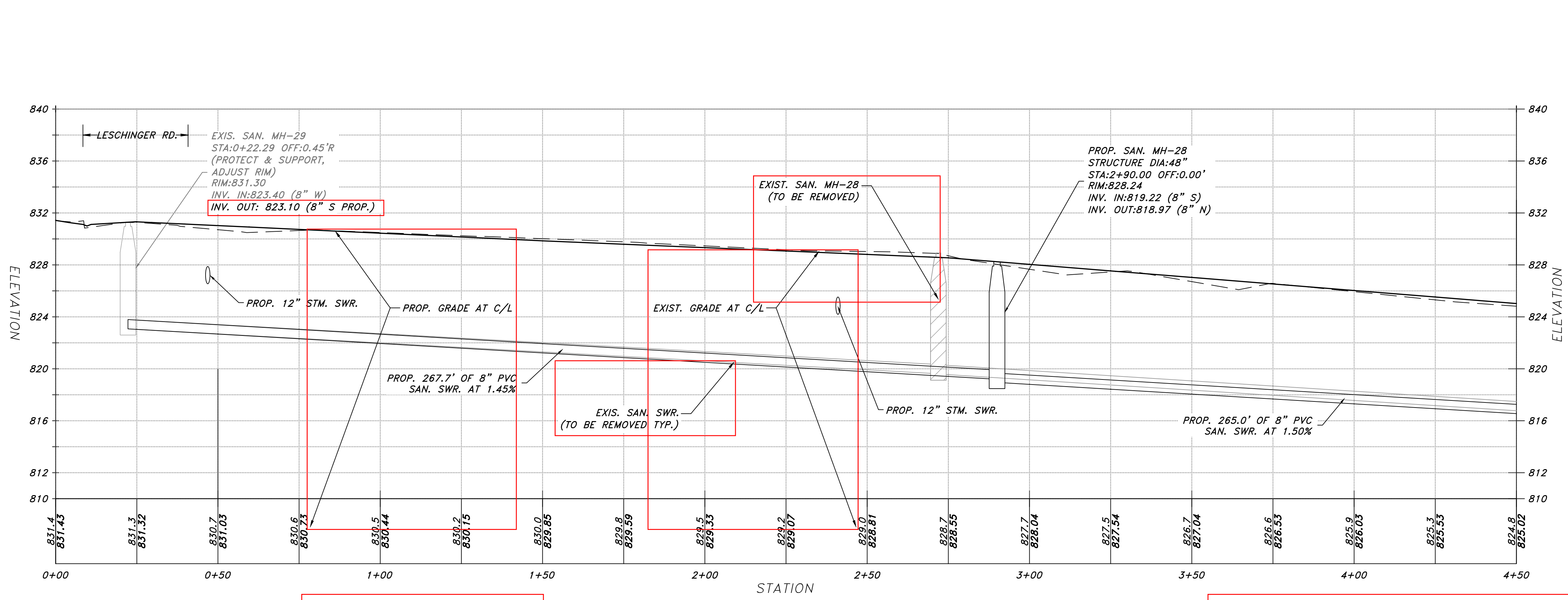
ROADWAY CROSS SECTIONS



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MATCH LINE AT STA. 4+50



NOT REVISED

SCALE : 1" = 20' H 5' V

PROJECT : #K20.1055

DATE : 07/07/2021

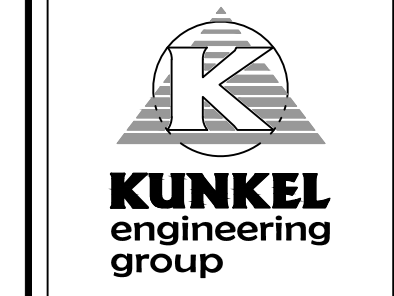
DRAWN BY : ZA

APPROVED BY : CK

CITY OF WATERLOO, WISCONSIN

2021 ADAMS STREET ROADWAY AND UTILITIES RECONSTRUCTION

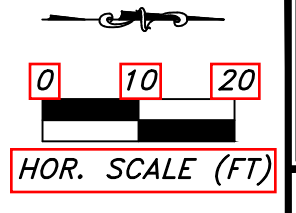
SANITARY SEWER PLAN & PROFILE



107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

PERMIT SET

SANITARY SEWER PLAN & PROFILE



NOTE:

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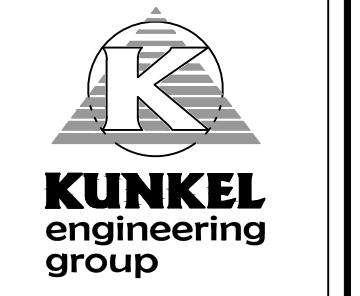
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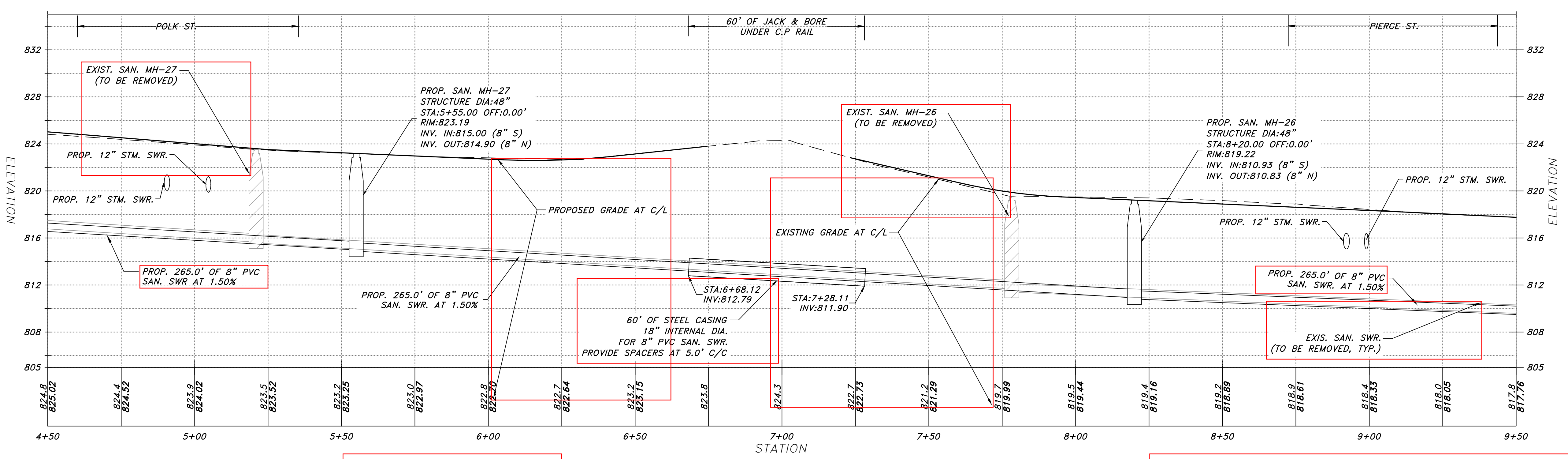
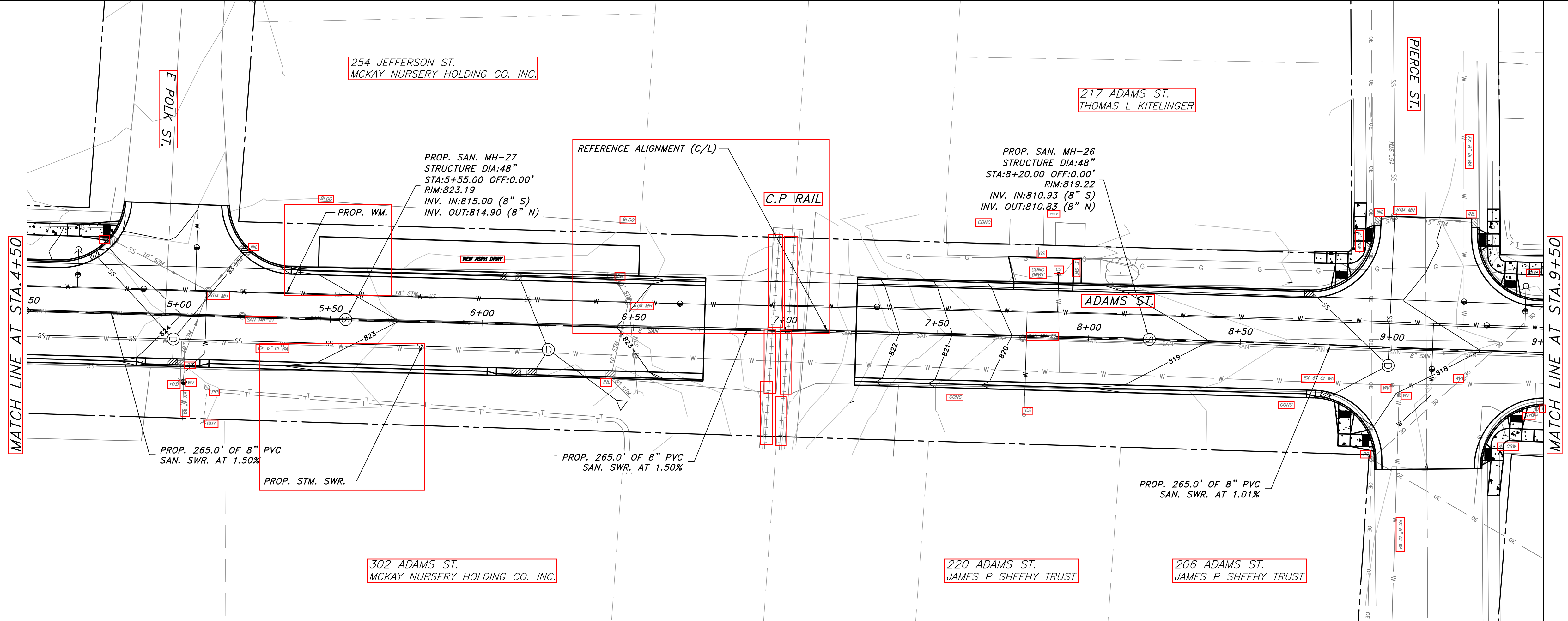
PROJECT: #K202.1055
 DATE: 07/07/2021
 DRAWN BY: ZA
 APPROVED BY: CK

CITY OF WATERLOO, WISCONSIN
 2021 ADAMS STREET ROADWAY
 AND UTILITIES RECONSTRUCTION
 SANITARY SEWER
 PLAN & PROFILE



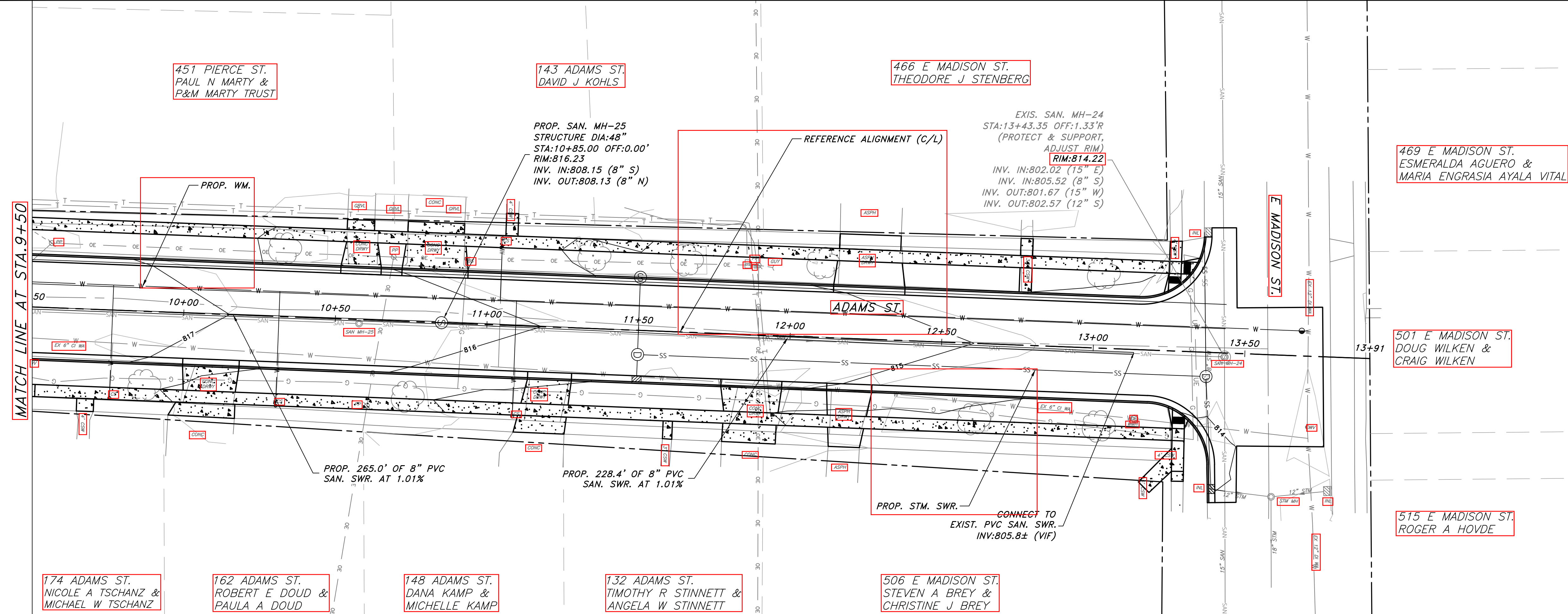
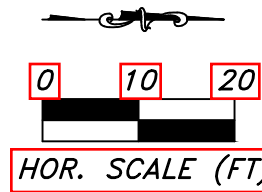
107 Parallel Street
 Beaver Dam, WI 53916
 (920)356-9447
 Fax (920)356-9454

SHEET 11 OF 21



PERMIT SET

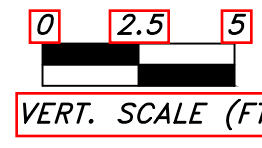
SANITARY SEWER PLAN & PROFILE



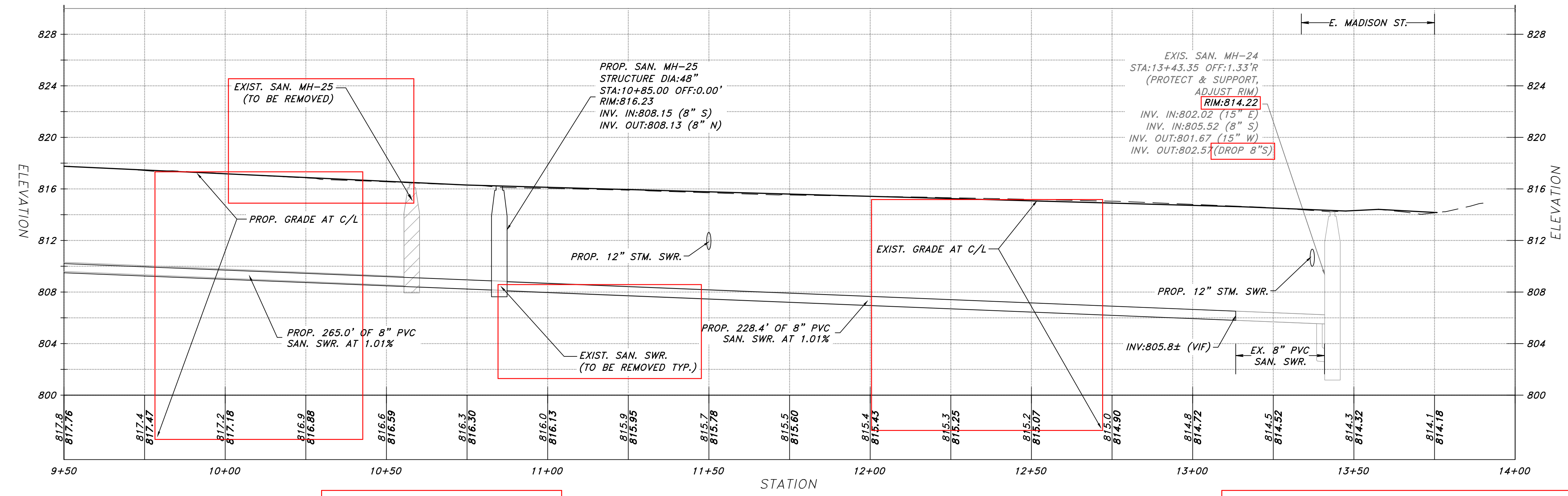
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NOT REVISED



SCALE: 1" = 20'H 5'V

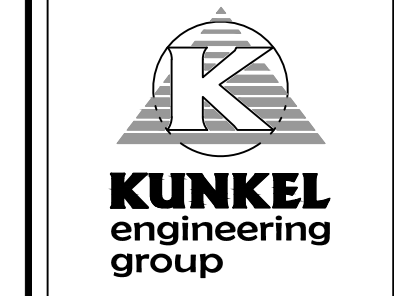


PROJECT: #K20.1055	DATE: 07/07/2021	DRAWN BY: ZA	APPROVED BY: CK
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CITY OF WATERLOO, WISCONSIN

2021 ADAMS STREET ROADWAY AND UTILITIES RECONSTRUCTION

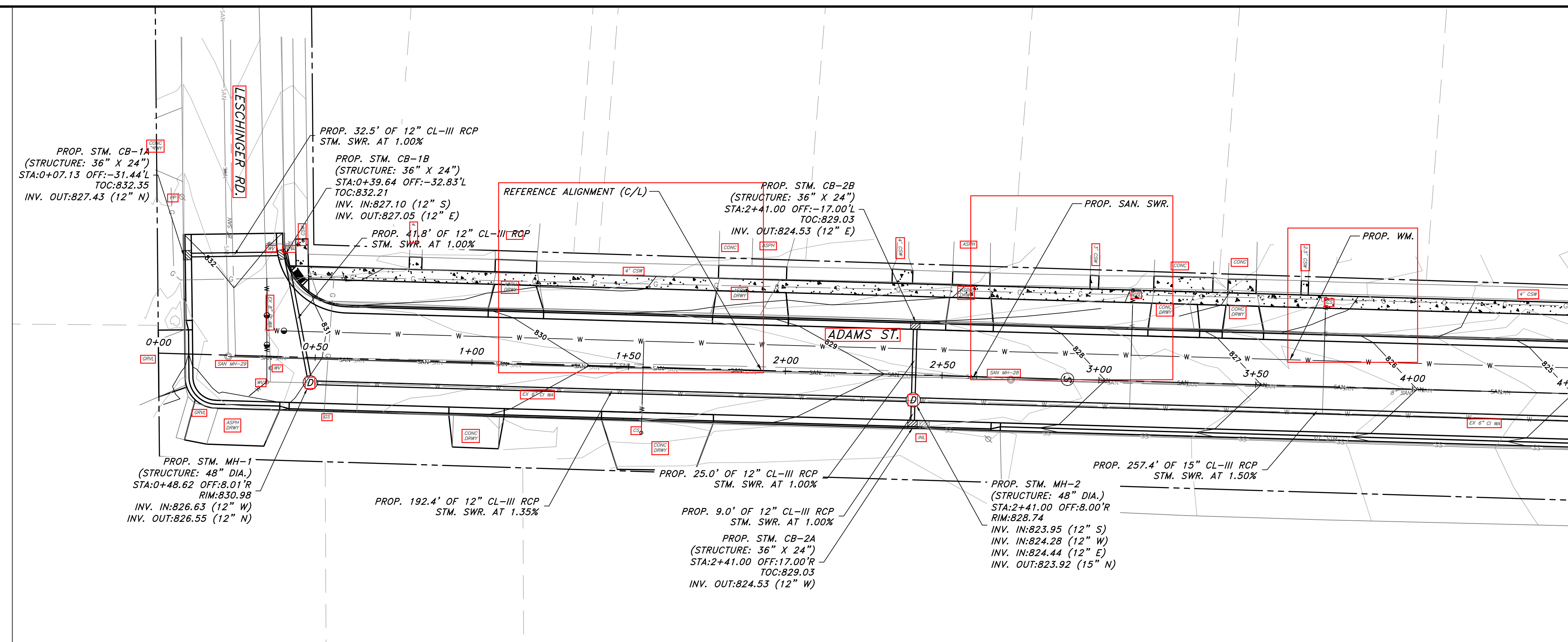
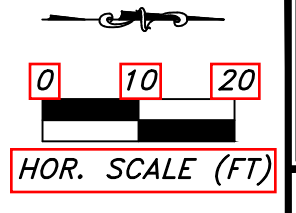
SANITARY SEWER PLAN & PROFILE



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SANITARY SEWER PLAN & PROFILE

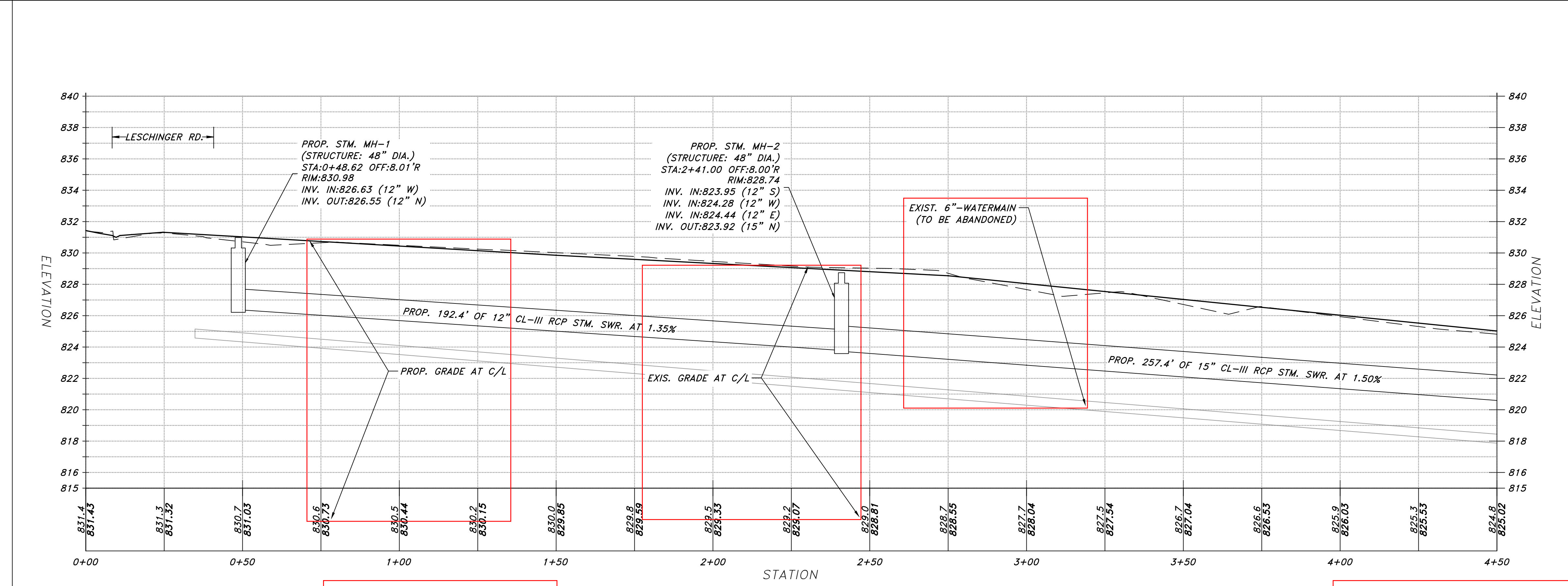
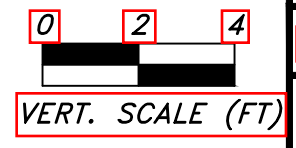


MATCH LINE AT STA. 4+50

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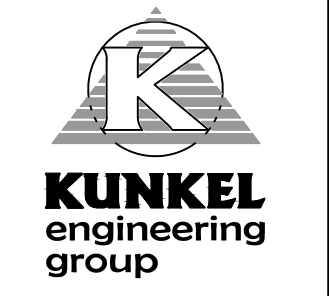
NOT REVISED



SCALE: 1"=20'H 4"V

PROJECT: #K20.1055	DATE: 07/07/2021	DRAWN BY: ZA	APPROVED BY: CK
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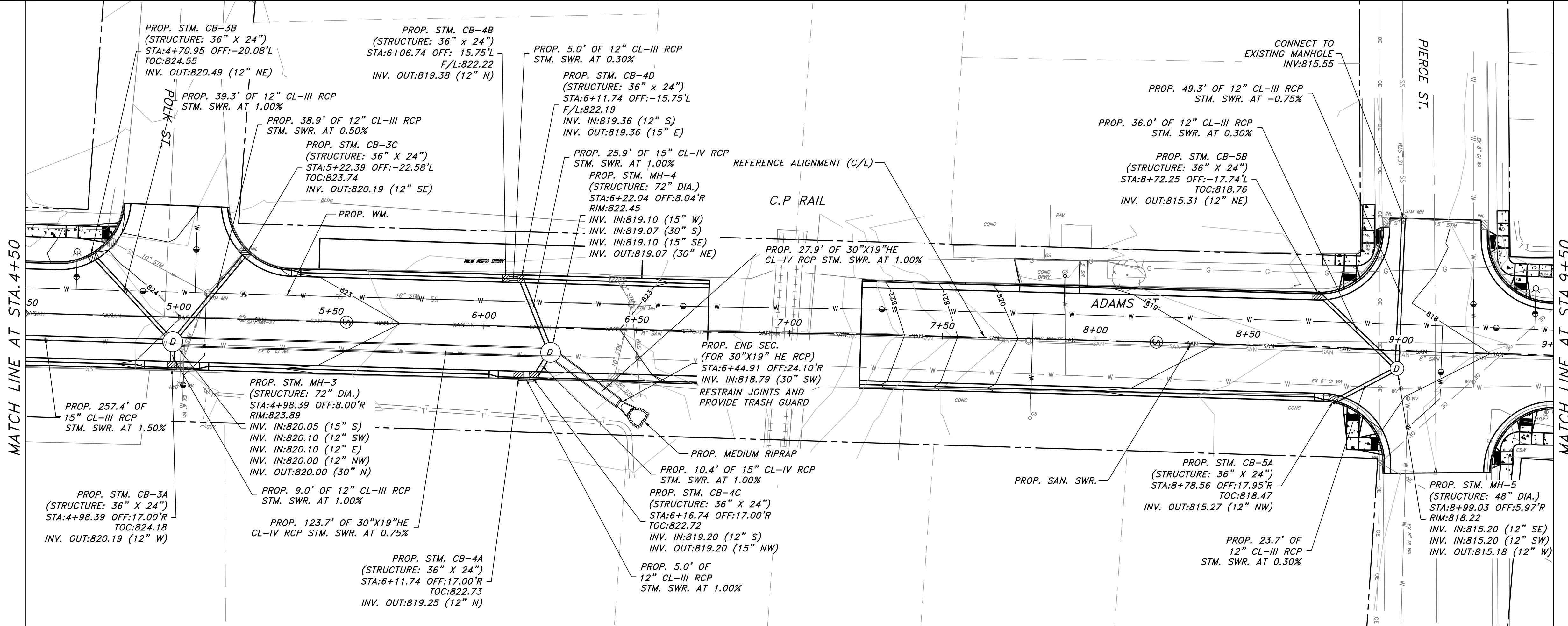
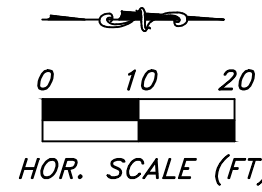
CITY OF WATERLOO, WISCONSIN
2021 ADAMS STREET ROADWAY
AND UTILITIES RECONSTRUCTION
STORM PLAN & PROFILE



107 Parallel Street
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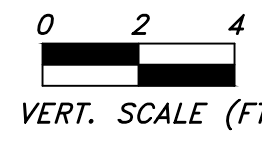
STORM PLAN & PROFILE



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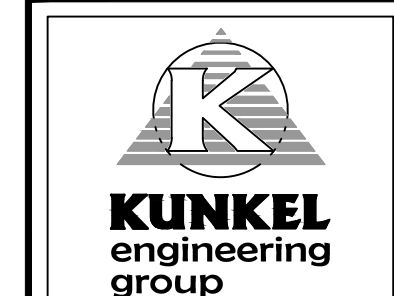
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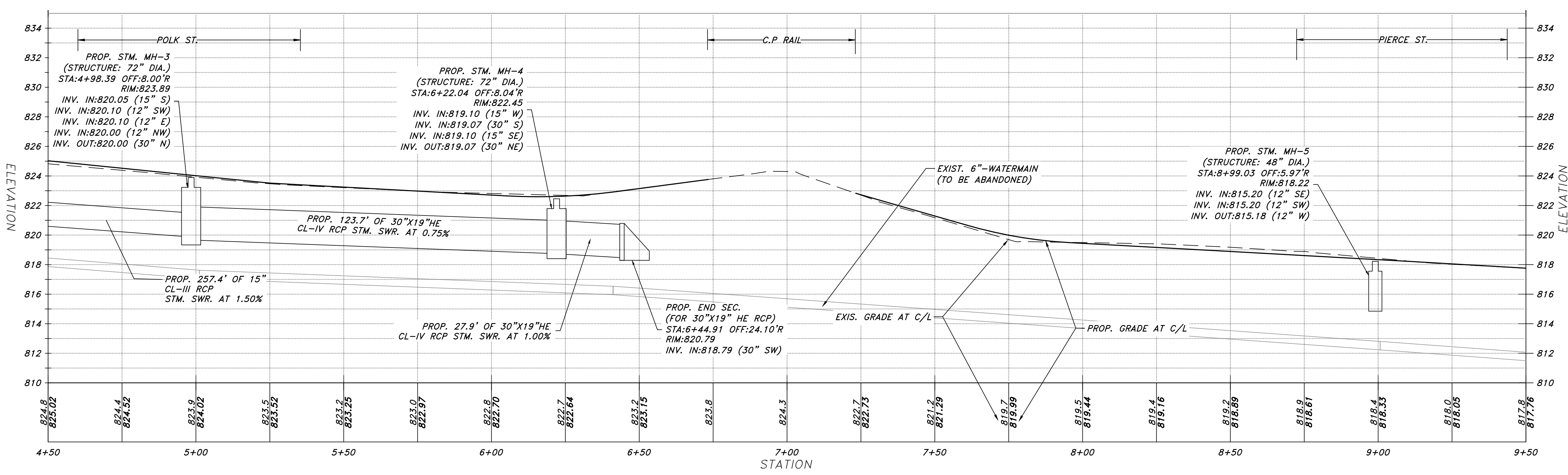
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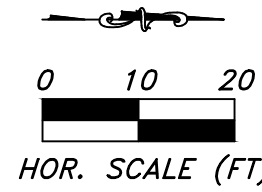
PROJECT : #K20.1055
 DATE : 01/07/2021
 DRAWN BY : ZA
 APPROVED BY : CK

CITY OF WATERLOO, WISCONSIN
 2021 ADAMS STREET ROADWAY
 AND UTILITIES RECONSTRUCTION
 STORM PLAN & PROFILE

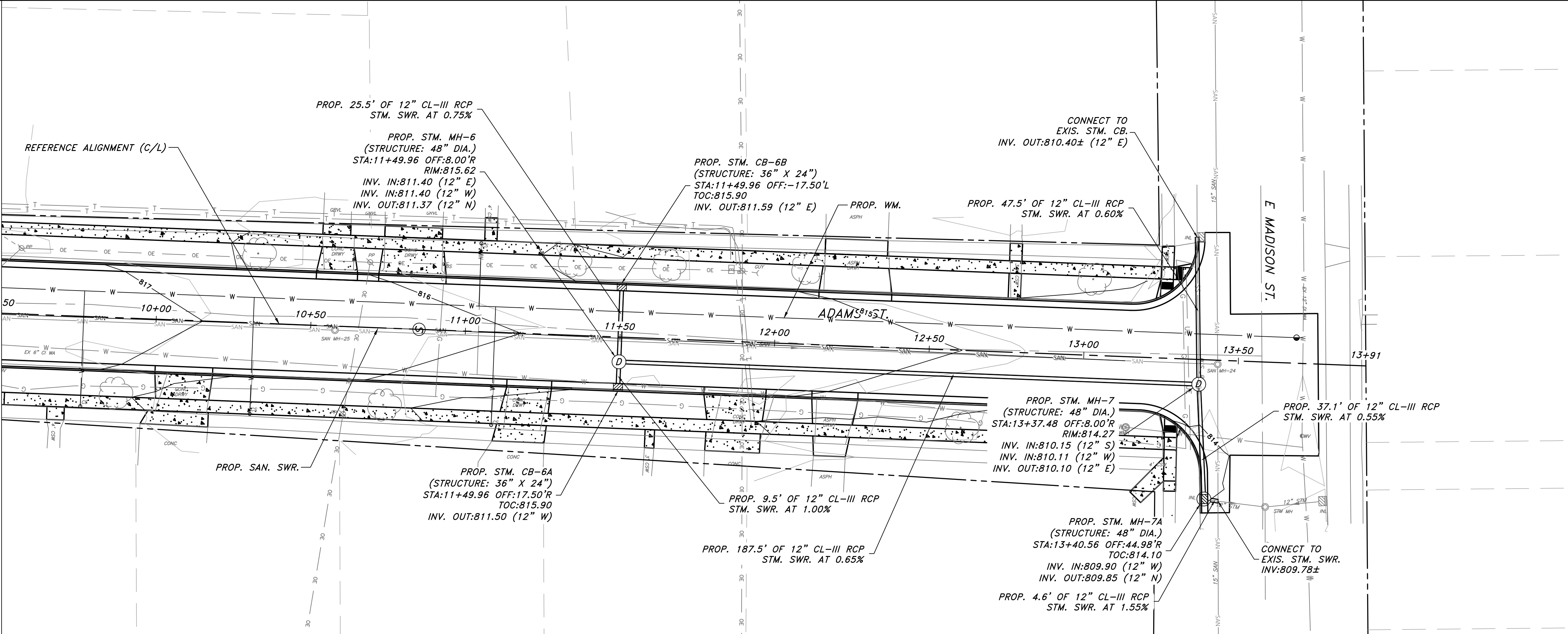


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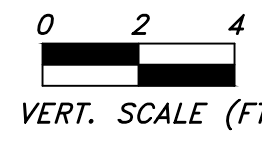


MATCH LINE AT STA. 9+50



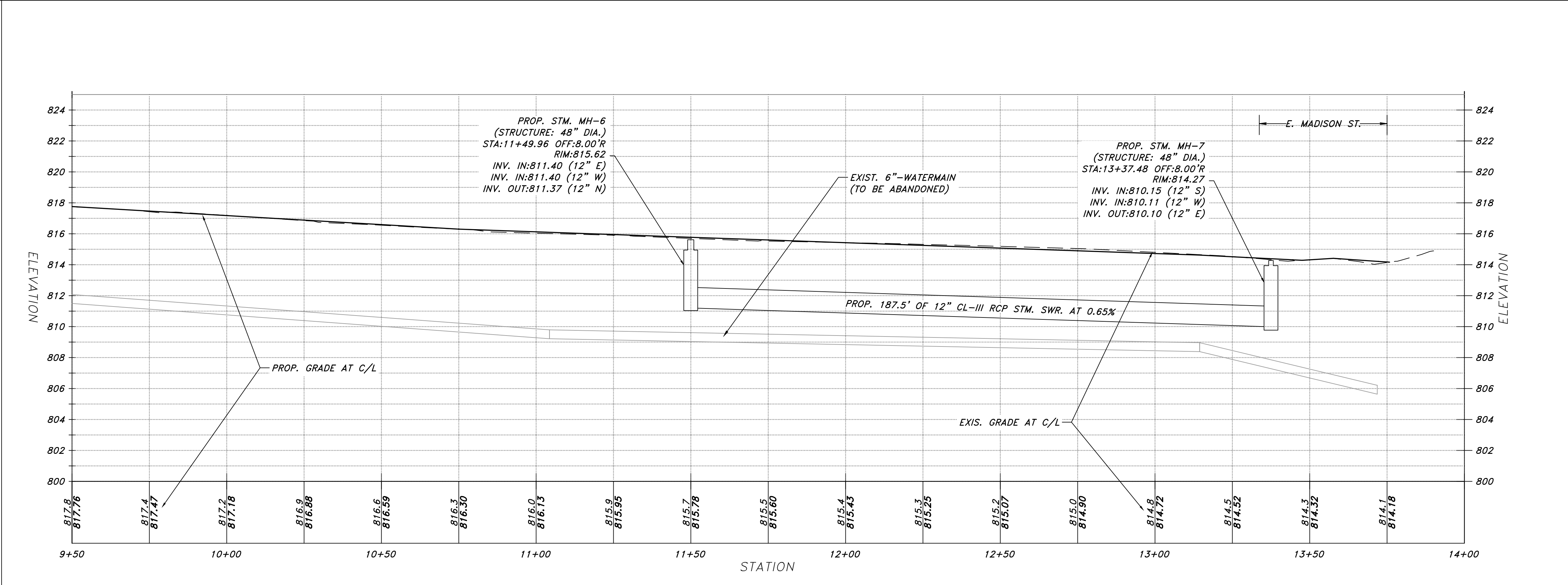
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NOT REVISED

SCALE: 1"=20'H 4"V



PROJECT : #K20.1055

DATE : 01/07/2021

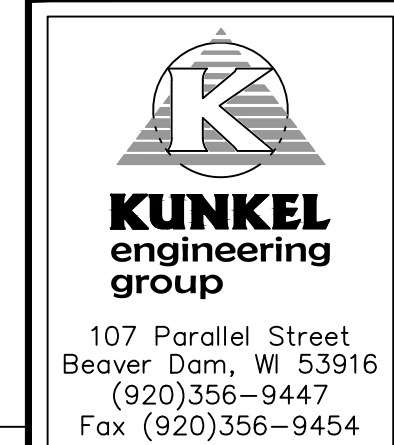
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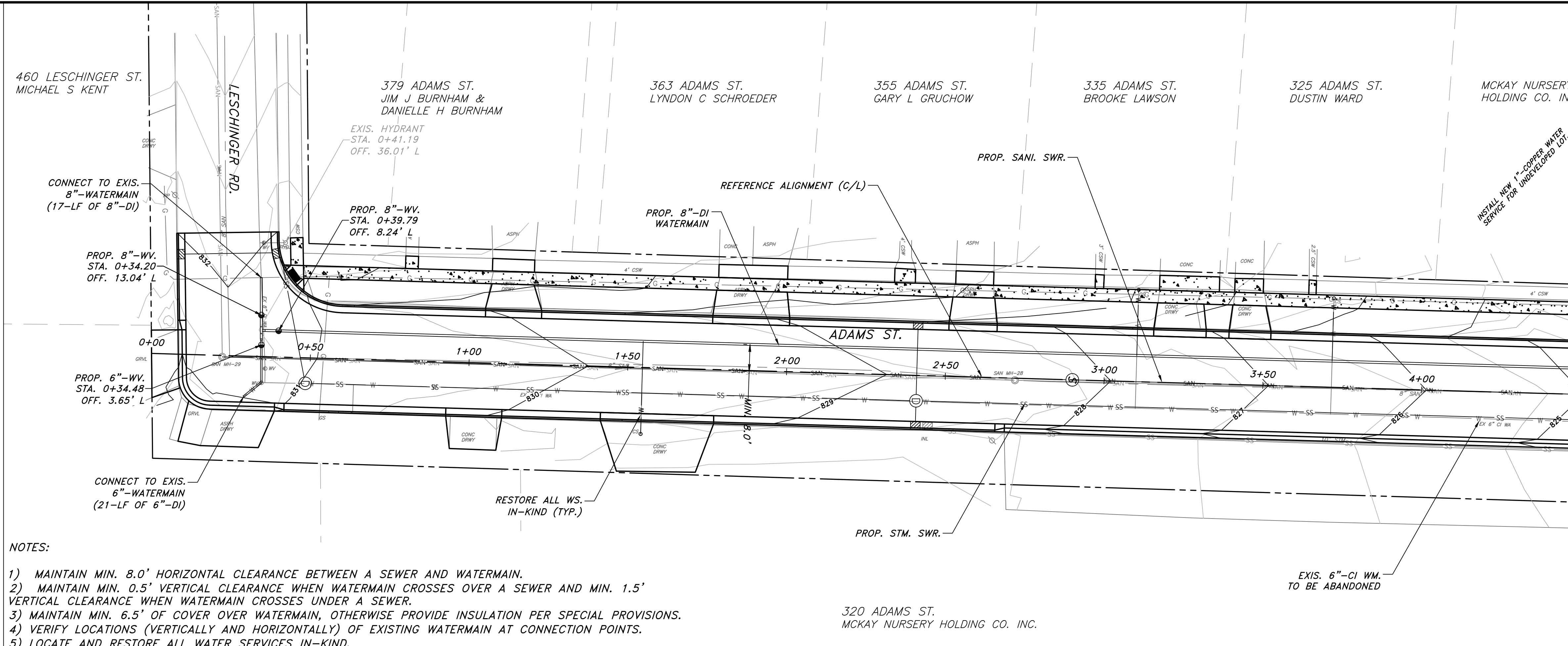
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CITY OF WATERLOO, WISCONSIN

2021 ADAMS STREET ROADWAY AND UTILITIES RECONSTRUCTION

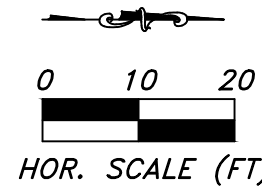
STORM PLAN & PROFILE





NOTES:

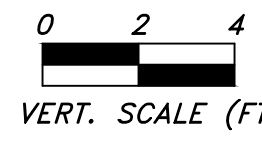
- 1) MAINTAIN MIN. 8.0' HORIZONTAL CLEARANCE BETWEEN A SEWER AND WATERMAIN.
- 2) MAINTAIN MIN. 0.5' VERTICAL CLEARANCE WHEN WATERMAIN CROSSES OVER A SEWER AND MIN. 1.5' VERTICAL CLEARANCE WHEN WATERMAIN CROSSES UNDER A SEWER.
- 3) MAINTAIN MIN. 6.5' OF COVER OVER WATERMAIN, OTHERWISE PROVIDE INSULATION PER SPECIAL PROVISIONS.
- 4) VERIFY LOCATIONS (VERTICALLY AND HORIZONTALLY) OF EXISTING WATERMAIN AT CONNECTION POINTS.
- 5) LOCATE AND RESTORE ALL WATER SERVICES IN-KIND.



NOTE:

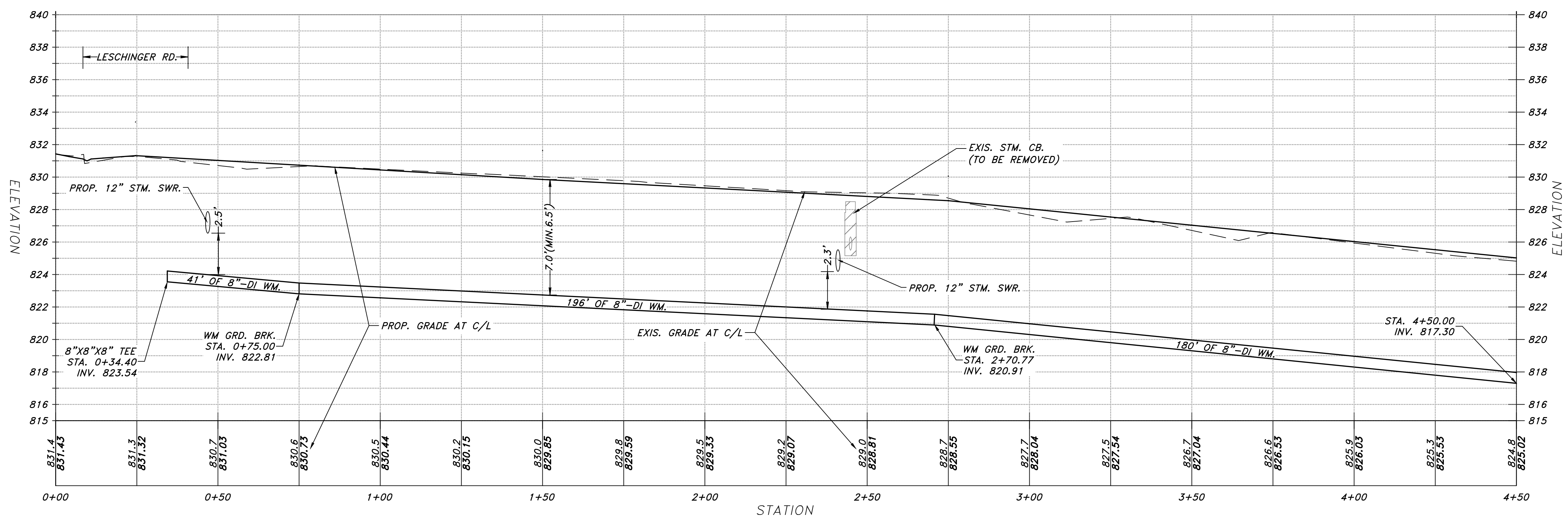
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MATCH LINE AT STA. 4+50



NOT REVISED

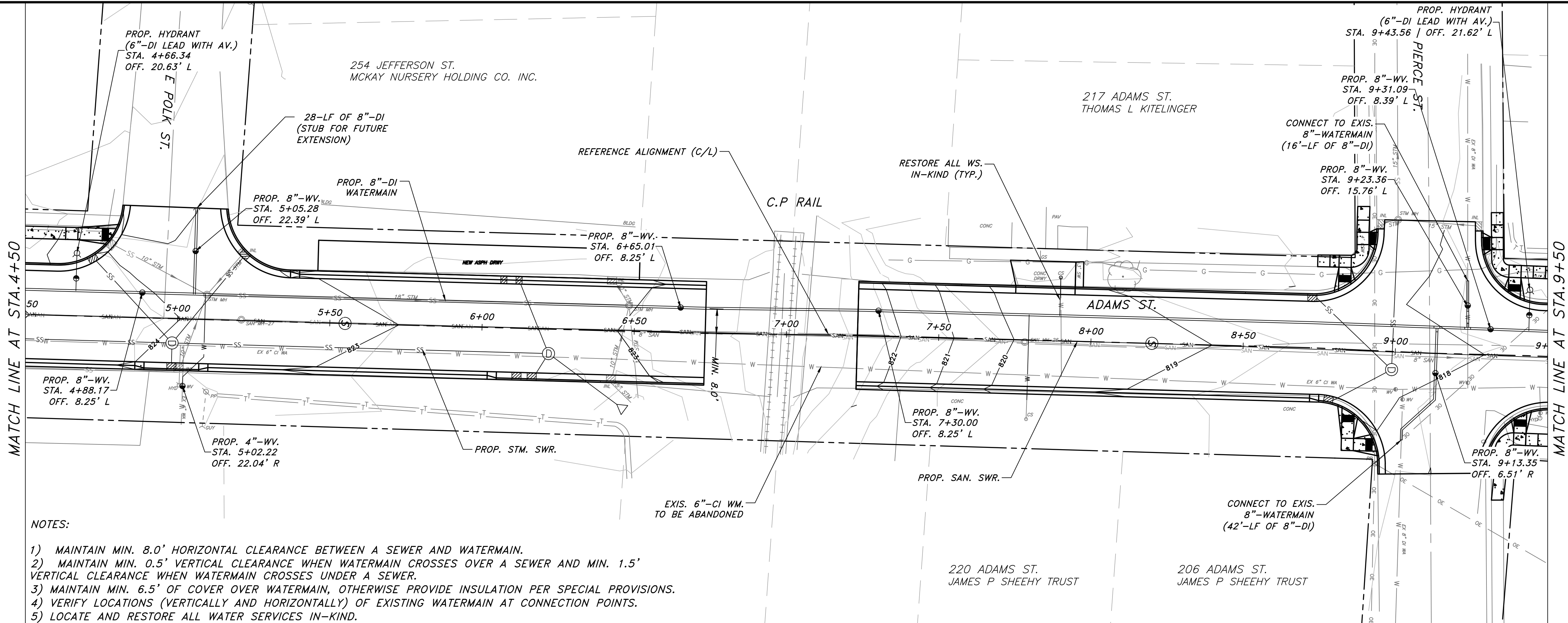
SCALE: 1"=20'H 4"V



PROJECT : #K20.1055
 DATE : 01/07/2021
 DRAWN BY : ZA
 APPROVED BY : CK

CITY OF WATERLOO, WISCONSIN
 2021 ADAMS STREET ROADWAY
 AND UTILITIES RECONSTRUCTION
 WATERMAIN PLAN & PROFILE



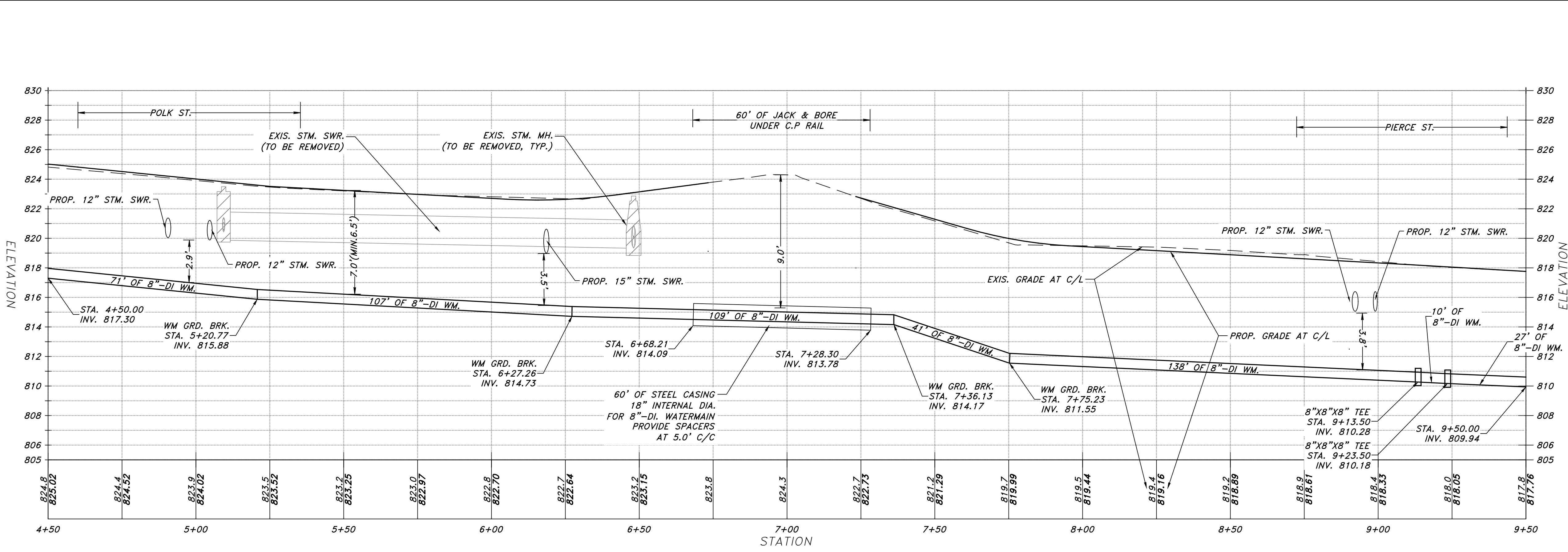


- NOTES:
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PERMIT SET

WATERMAIN PLAN & PROFILE

NOT REVISED

SCALE: 1"=20'H 4"V

VERT. SCALE (FT)

PROJECT : #KUZ0.1055

DATE : 01/07/2021

DRAWN BY : ZA

APPROVED BY : CK

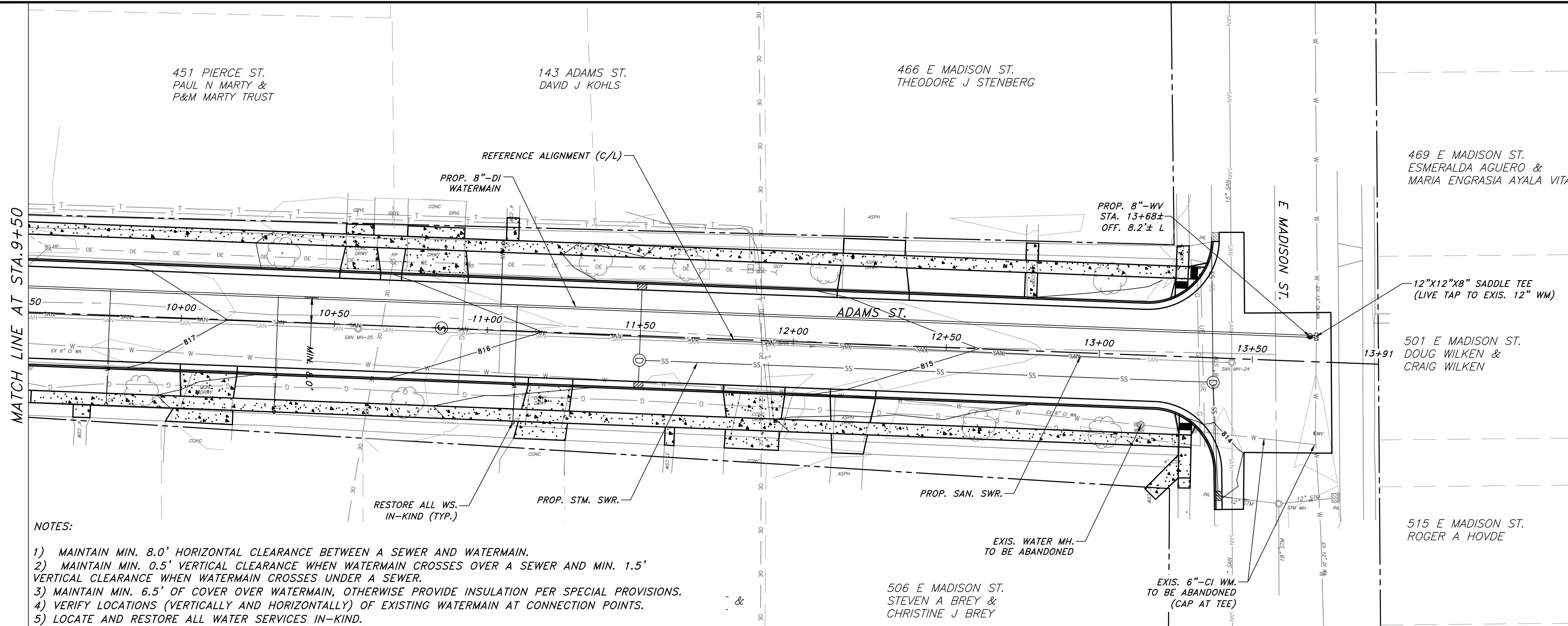
CITY OF WATERLOO, WISCONSIN

2021 ADAMS STREET ROADWAY AND UTILITIES RECONSTRUCTION

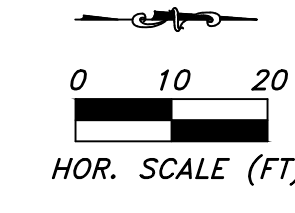
WATERMAIN PLAN & PROFILE

107 Parallel Street
 Beaver Dam, WI 53916
 (920)356-9447
 Fax (920)356-9454

SHEET 17 OF 21

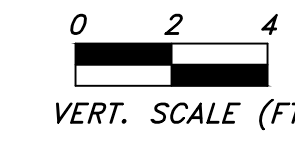


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NOT REVISED

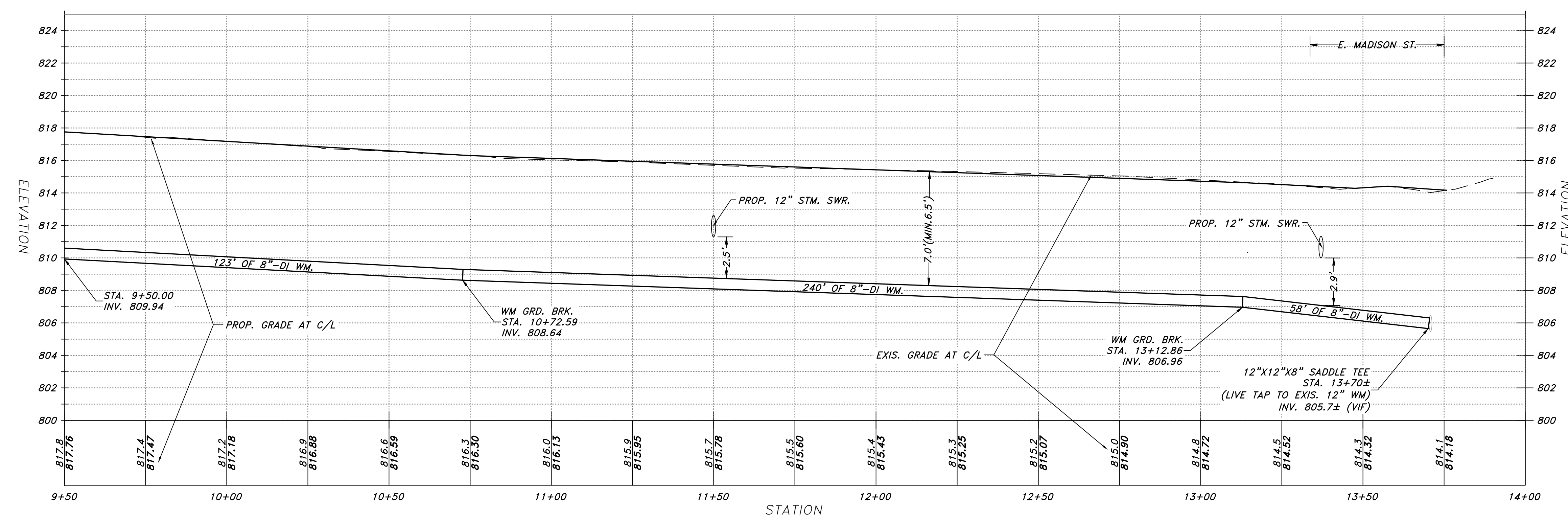
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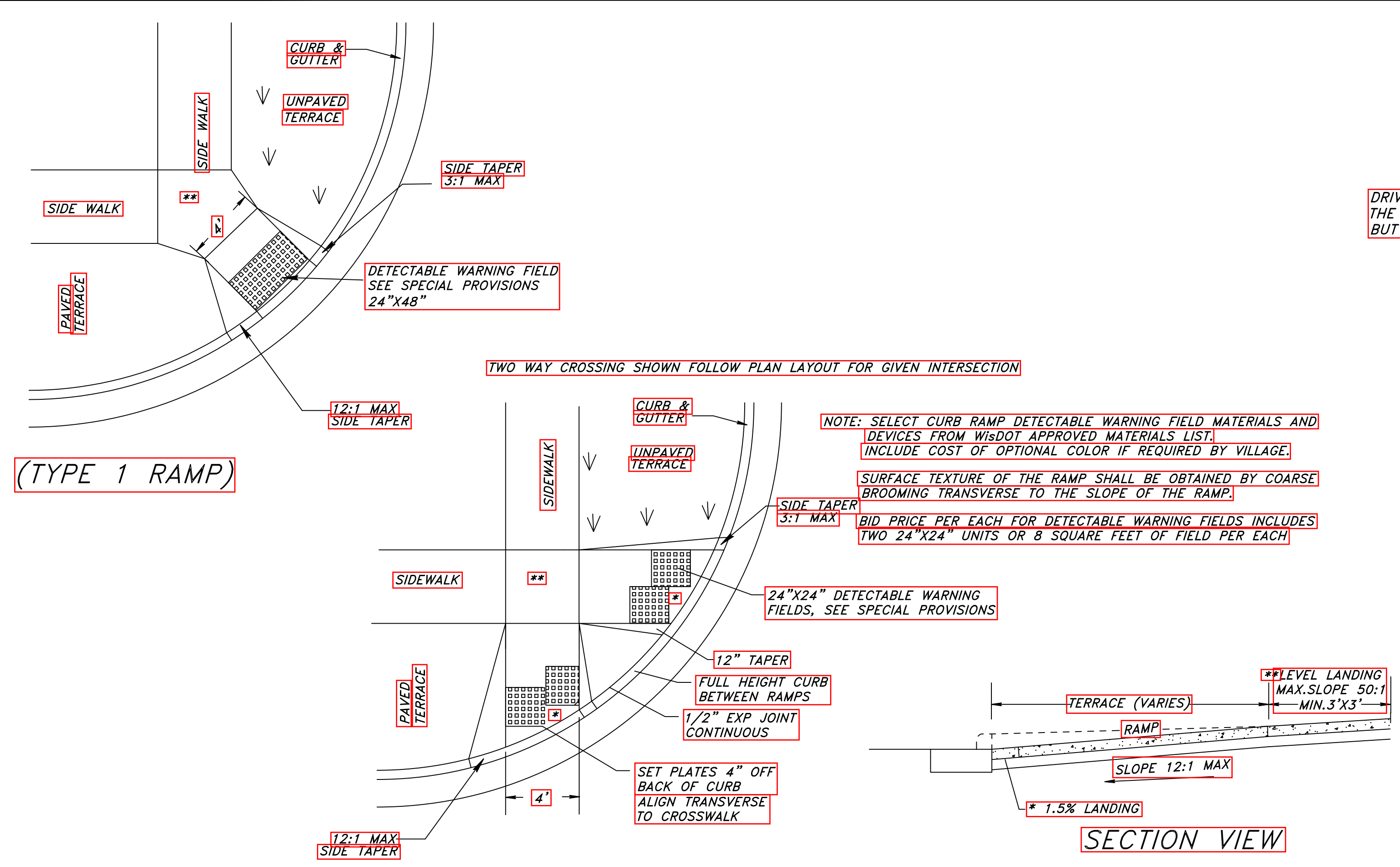
PROJECT : #K20.1055

DATE : 01/07/2021

DRAWN BY : ZA

APPROVED BY : CK



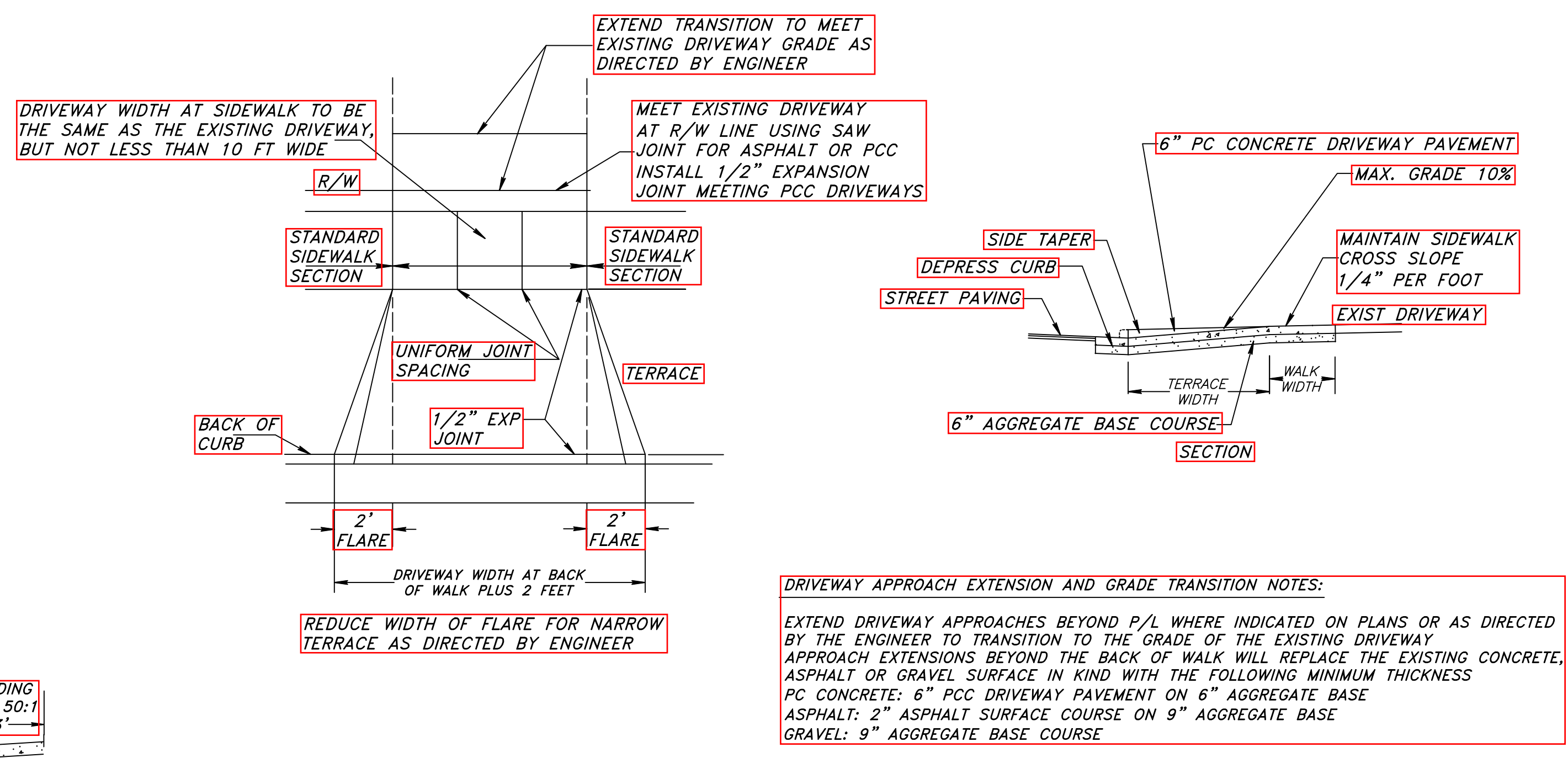


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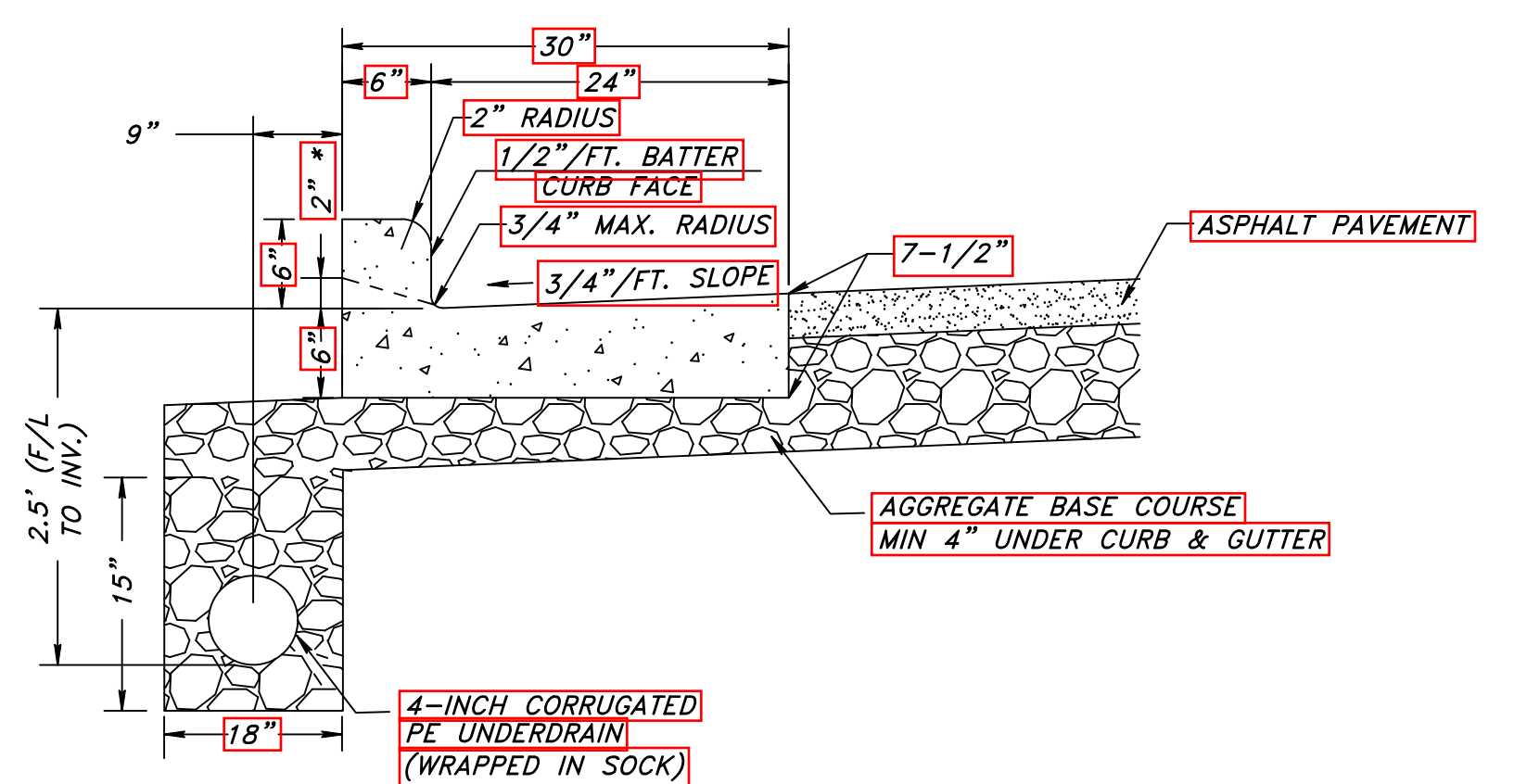
(TYPE 2 RAMP)

SIDEWALK RAMP DETAILS

REQUIRED AT ALL INTERSECTIONS AND WHERE CALLED OUT ON PLANS
NOTE: USE DETAIL FOR SINGLE RAMPS

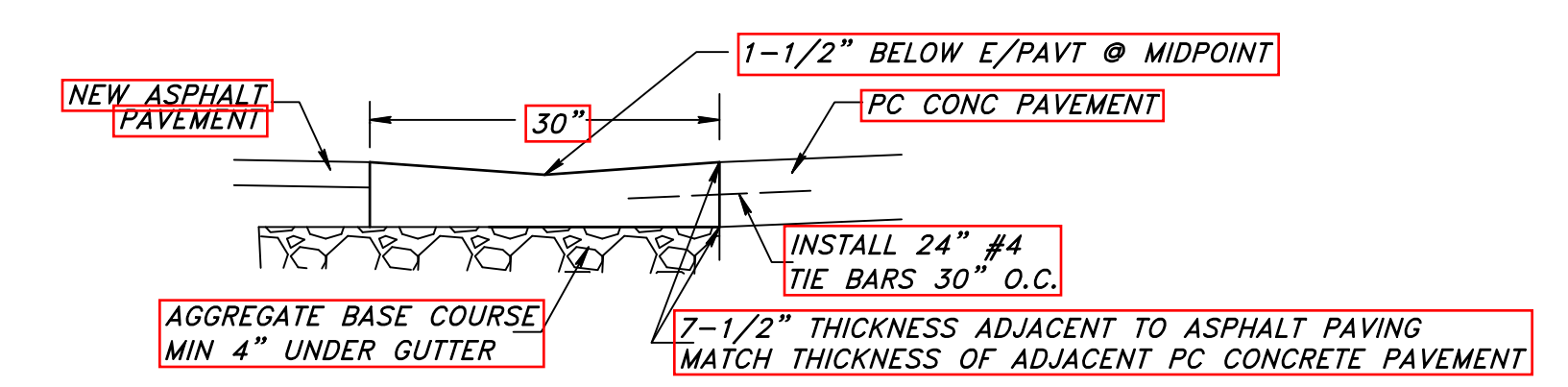


DRIVEWAY PAVEMENT DETAILS



STANDARD TYPE D CURB AND GUTTER

ADJACENT TO ASPHALT PAVEMENT WITH DRAIN-TILE
* PROVIDE 2" CURB HEAD AT DRIVEWAYS



STANDARD V GUTTER

FOR INSTALLATION ADJACENT TO EITHER ASPHALT PAVEMENT OR PCC PAVEMENT

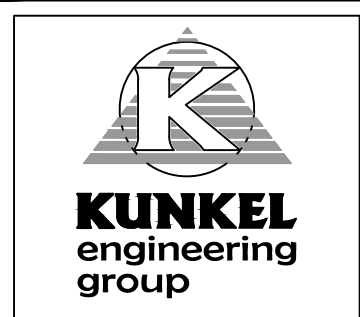
NOTE: PROVIDE 4-INCH CORRUGATED UNDERDRAIN AS PER PREVIOUS DETAIL ON THIS SHEET

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NOT REVISED
SCALE: NO SCALE

PROJECT: #KUPD.1055	DATE: 07/07/2021	DRAWN BY: ZA	APPROVED BY: CK
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CITY OF WATERLOO, WISCONSIN
2021 ADAMS STREET ROADWAY AND UTILITIES RECONSTRUCTION
PAVING CONSTRUCTION DETAILS



107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454



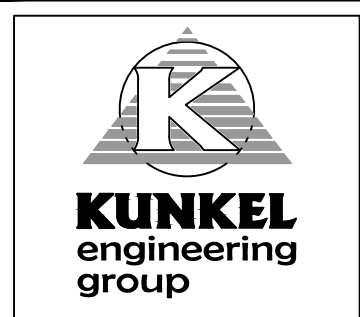
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NOT REVISED

SCALE: NO SCALE

PROJECT: #K20.1055
 DATE: 07/07/2021
 DRAWN BY: ZA
 APPROVED BY: CK

CITY OF WATERLOO, WISCONSIN
 2021 ADAMS STREET ROADWAY
 AND UTILITIES RECONSTRUCTION
 UTILITIES CONSTRUCTION
 DETAILS

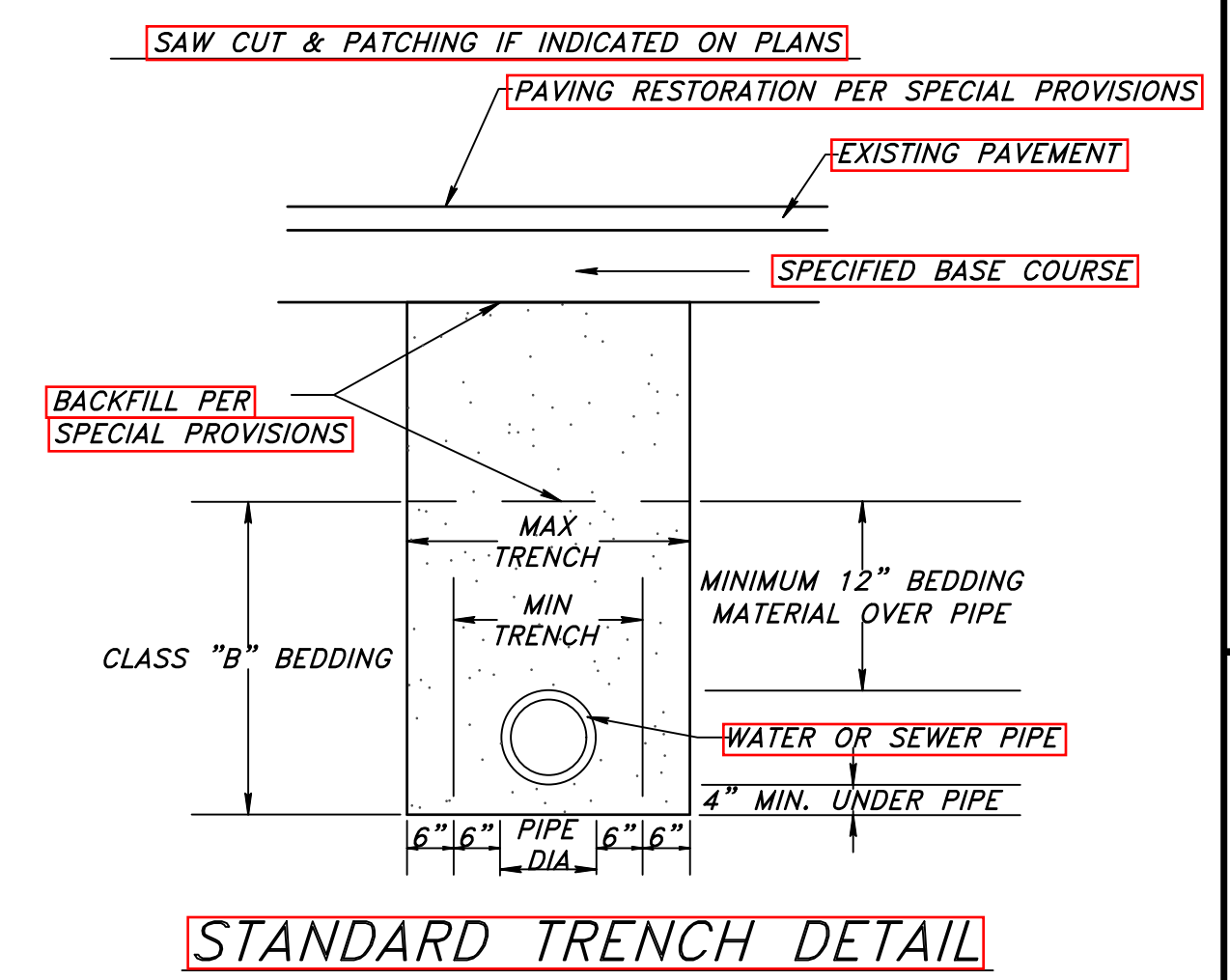
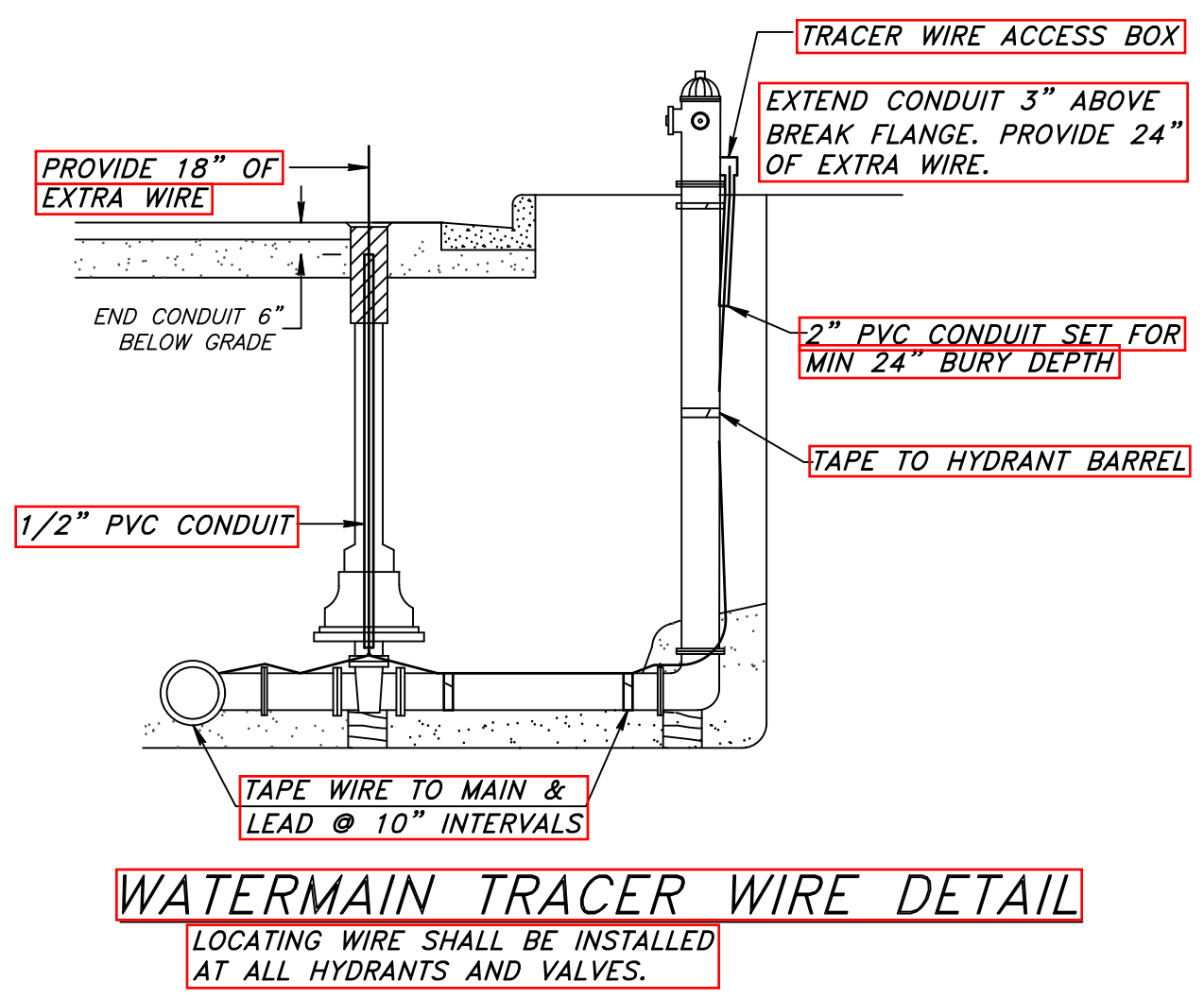
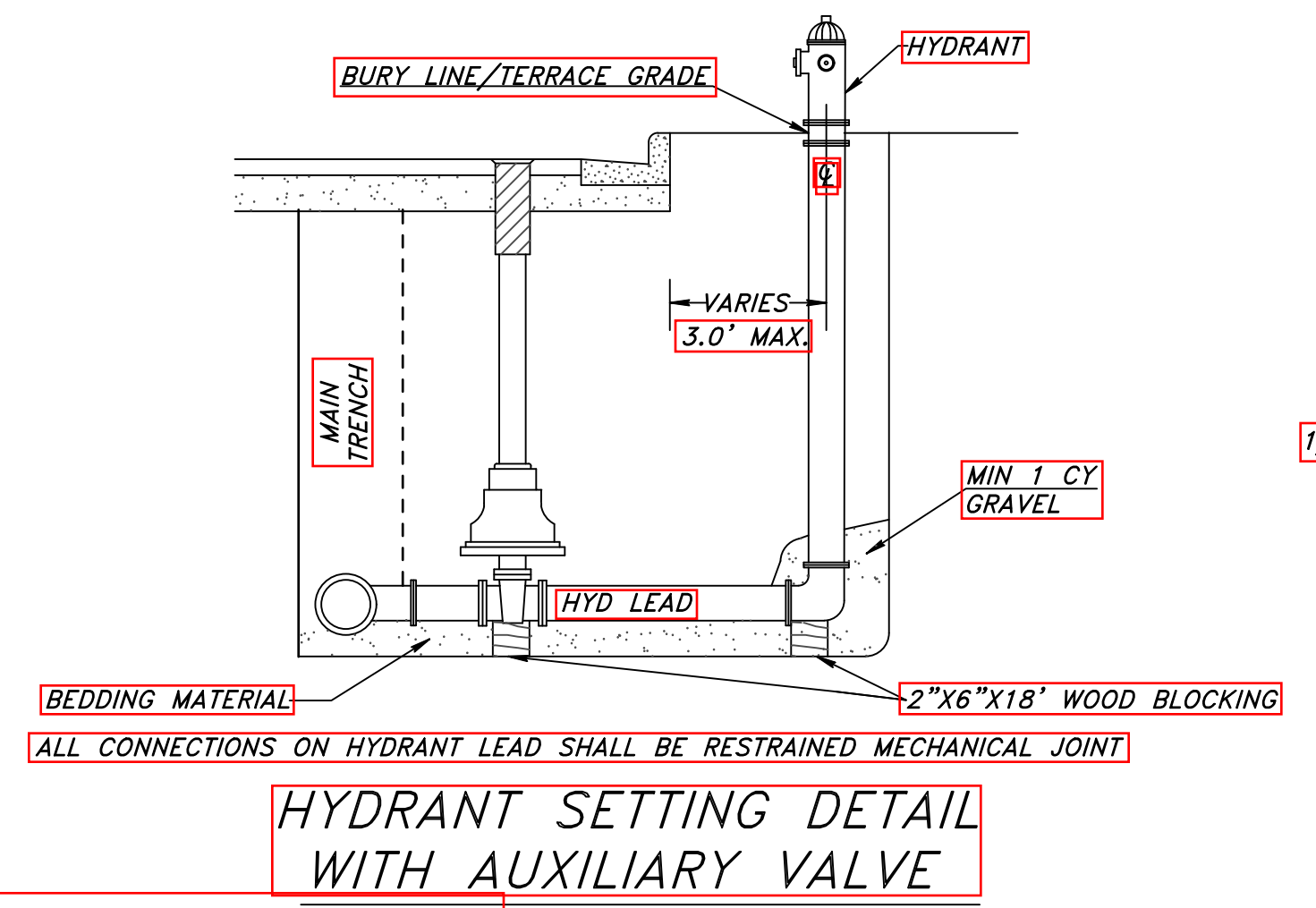
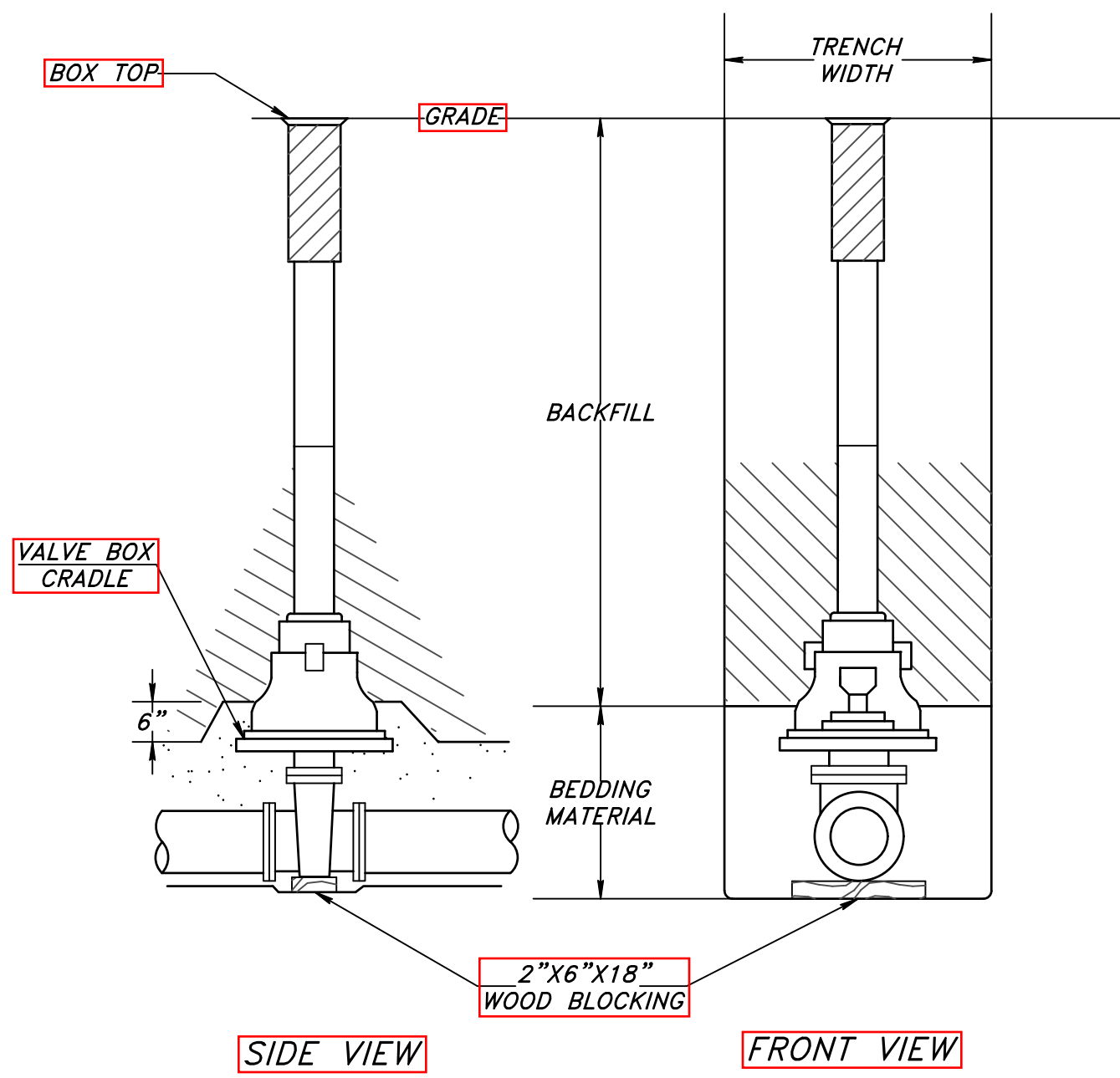
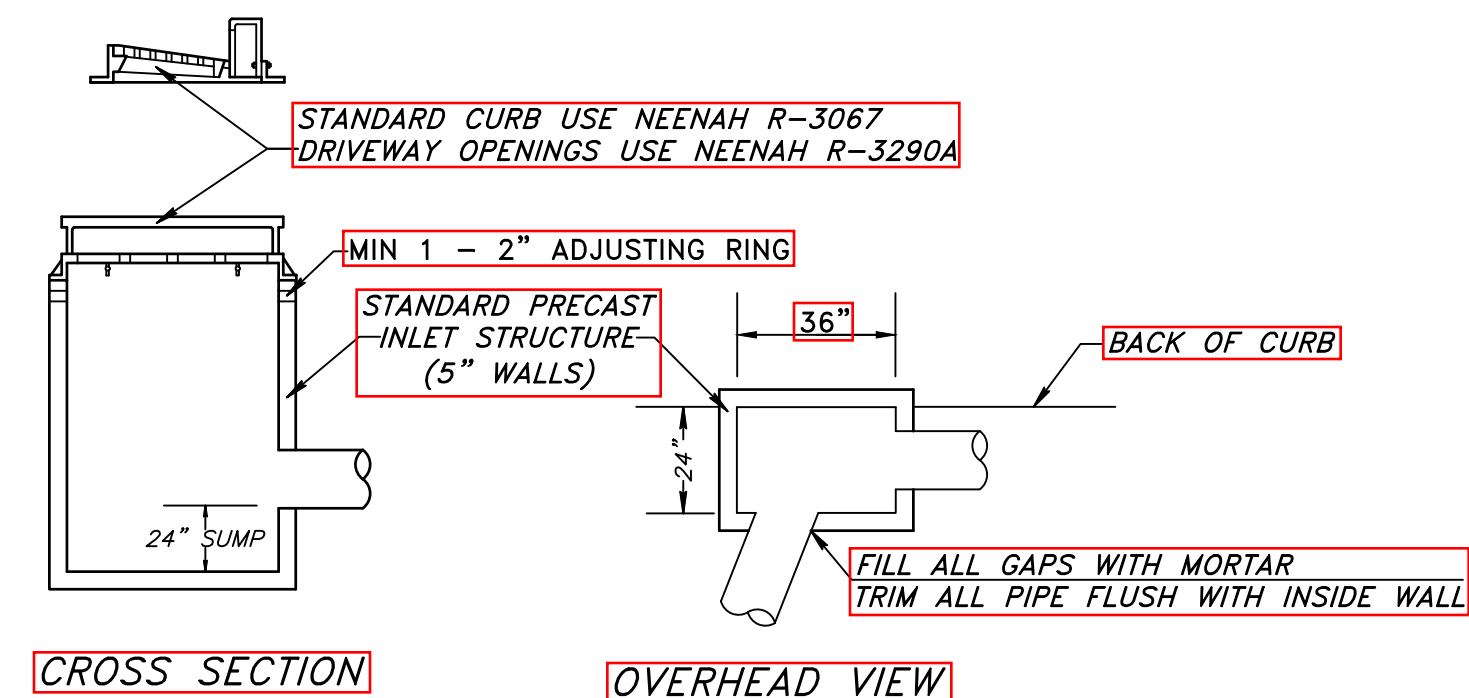
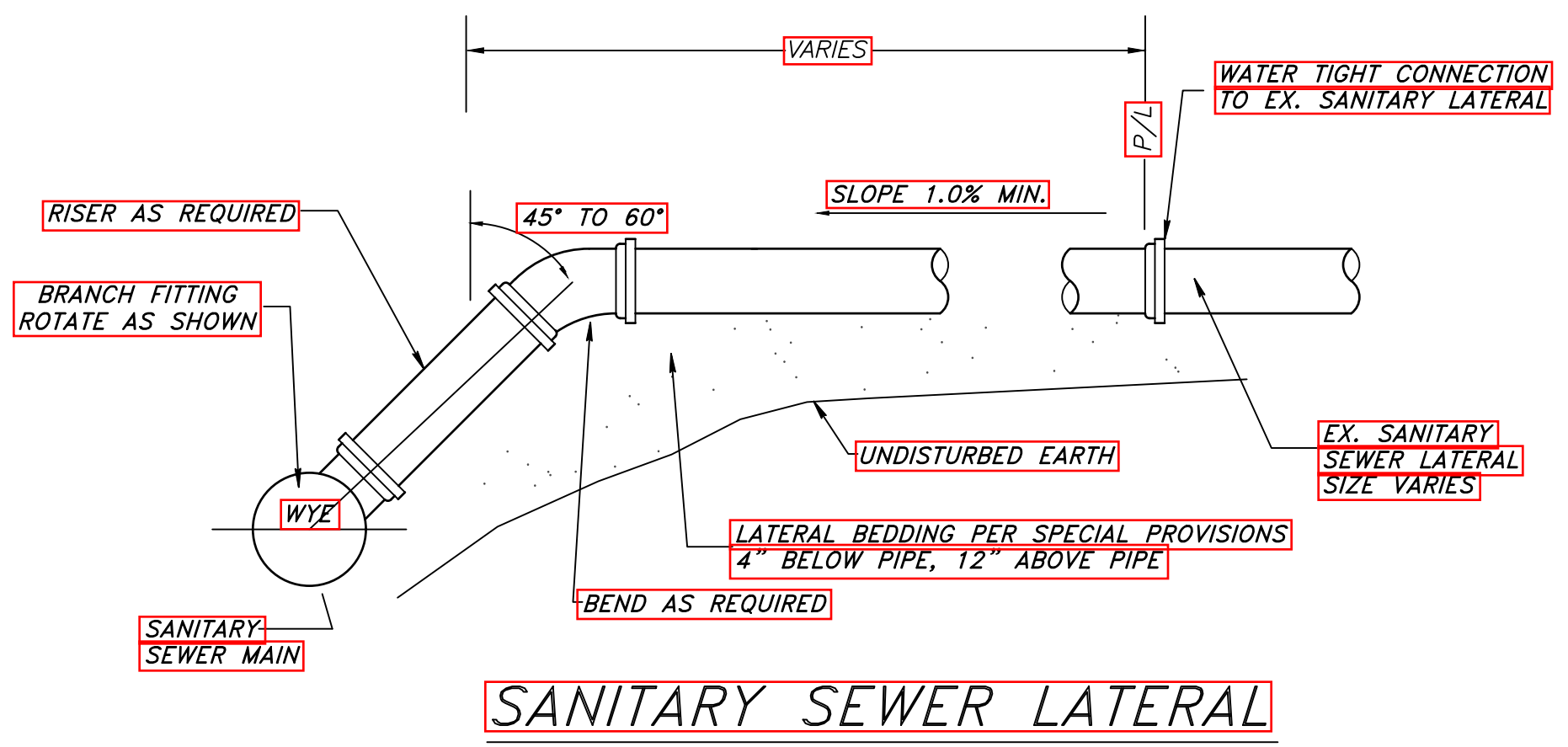
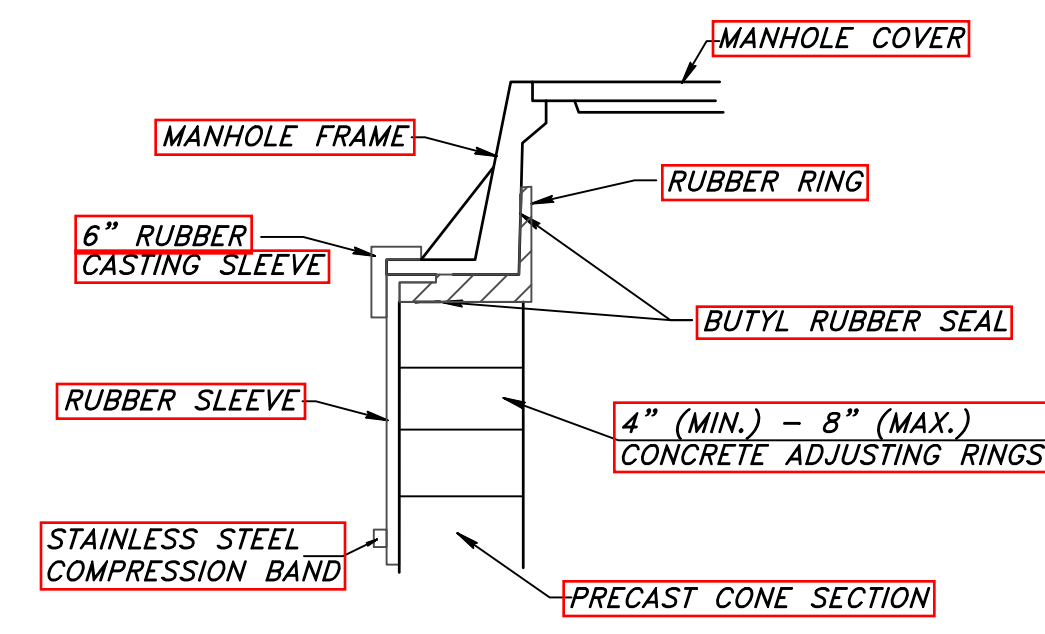
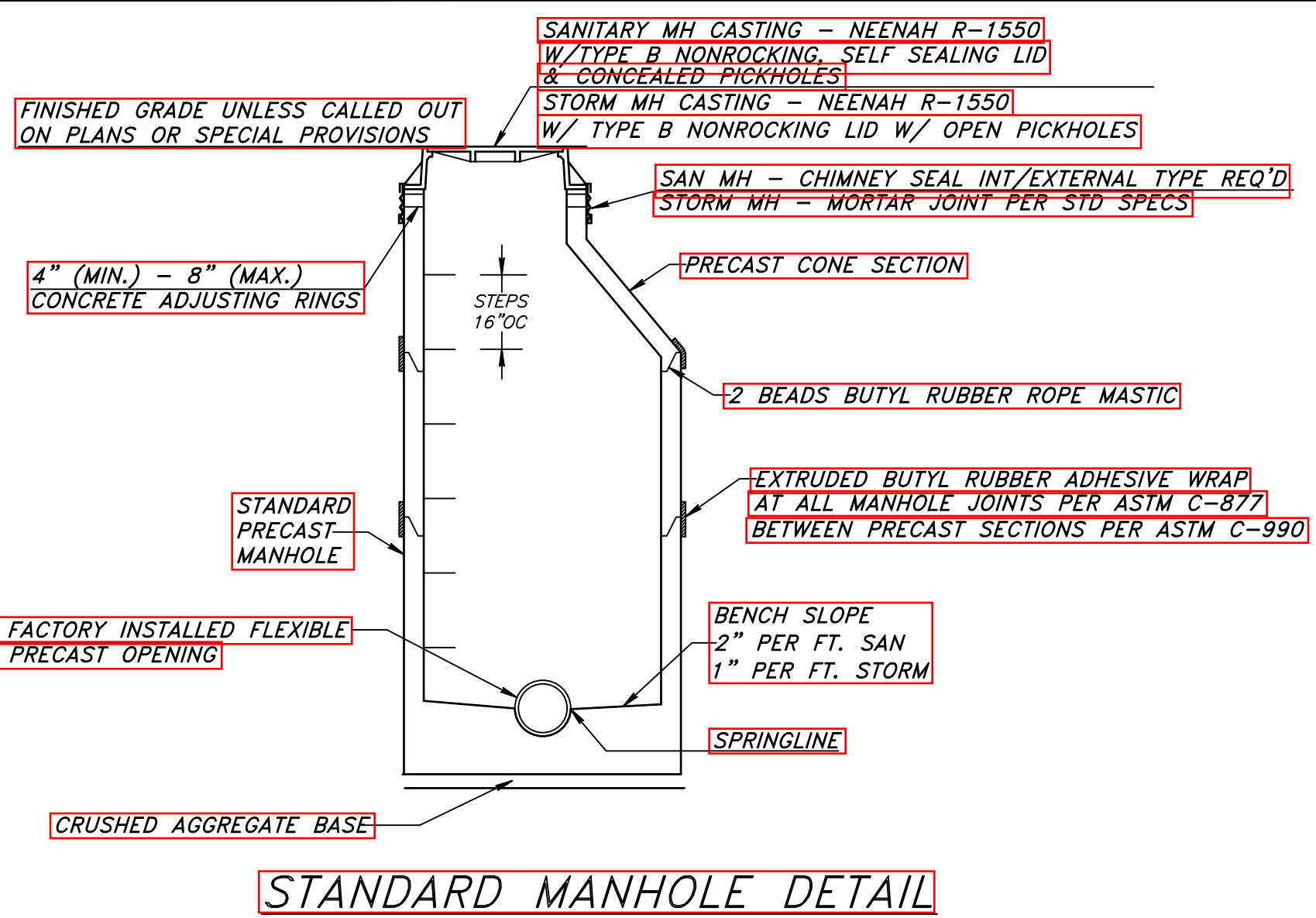


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 Beaver Dam, WI 53916
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 Fax (920)356-9454

SHEET 20 OF 21

WATER & SEWER NOTES:

- STANDARD SPECIFICATIONS:**
INSTALL ALL SEWER AND WATERMAIN UNDER THIS CONTRACT AS PER THE PROVISIONS OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, SIXTH EDITION, AND PER THE PROJECT'S SPECIAL PROVISIONS.
- WATERMAIN:**
SHALL BE DUCTILE IRON PIPE, THICKNESS CLASS 52, CONFORMING TO A.W.W.A. C-151, CEMENT MORTAR LINED CONFORMING TO A.W.W.A. C-104, AND POLYETHYLENE WRAPPED CONFORMING TO A.W.W.A. C-105 PER SECTION 8.18.0 OF THE STANDARD SPECIFICATIONS. FITTINGS SHALL BE MECHANICAL JOINT DUCTILE IRON CONFORMING TO A.W.W.A. C-110. ALL WATERMAIN TO BE INSTALLED WITH EXTERNAL COPPER STRAPS.
- GATE VALVES**
SHALL BE MUELLER COMPANY A2370-20, CONFORMING TO A.W.W.A. C-500. VALVE BOX SHALL BE MUELLER BUFFALO TYPE ADJUSTABLE IRON VALVE BOXES, COMPLETE WITH ROUND OR OVAL BASE ADJUSTABLE BOX AND LIDS, OR APPROVED EQUAL.
- HYDRANTS**
SHALL BE MUELLER A423 HYDRANTS WITH 1-1/2" PENTAGON OPERATING NUT, 4-1/2" PUMPER NOZZLE, 2-1/2" HOSE NOZZLES, NPT THREADS, CHAINS ON CAPS, TRAFFIC BREAK-FLANGE, 16" BREAKAWAY, STAINLESS STEEL BOLTS BELOW GRADE, MECHANICAL JOINT SHOE, BARREL FOR 6-1/2 FOOT BURY. FURNISH IN RED COLOR. ALL JOINTS ON HYDRANT LEADS SHALL HAVE RESTRAINED MECHANICAL JOINTS.
- WATER SERVICE LATERALS**
ALL WATER SERVICE LATERALS SHALL BE 1" TYPE K CONTINUOUS COPPER PIPE. CORPORATION STOPS SHALL BE MUELLER H15008 FOR COPPER SERVICE PIPE. KEY STOPS SHALL BE MUELLER H15104-2 FOR 1" AND 2-INCH COPPER PIPE, SUPPLIED WITH TYLER/UNION TYPE 101-F WITH A 2-1/2-INCH SHAFT, COMPLETE WITH STATIONARY ROD AND ONE-PIECE LID.
- SANITARY SEWER & LATERAL PIPE**
SHALL BE PVC SDR-35 PIPE, WITH RUBBER GASKET JOINTS CONFORMING TO SECTION 8.10.1 - 8.10.6(A) OF THE STANDARD W&S SPECIFICATION.
- SANITARY SEWER MANHOLES**
MANHOLES SHALL BE PRE-CAST CONCRETE, CONFORMING TO SECTION 3.5.0 OF THE STANDARD W&S SPECIFICATIONS AND ASTM C-478. FURNISH MANHOLES OF A SIZE TO ACCOMMODATE THE INTERSECTING SEWER PER THE STANDARD W&S SPECIFICATIONS, WITH A MINIMUM 48" INSIDE DIAMETER. ALL PIPE CONNECTIONS TO NEW MANHOLES ARE TO BE MADE WITH FACTORY INSTALLED FLEXIBLE BOOTS. INSTALL EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEALS SHALL BE MANUFACTURED BY CRETEX INTERNATIONAL OR EQUAL. FRAMES AND LIDS SHALL BE NEENAH R-1550 FRAME, TYPE "B" SEALED NON-ROCKING LID WITH CONCEALED PICK HOLES.
- STORM SEWER**
CONNECTION TO EXISTING STORM STRUCTURES SHALL BE MADE CONFORMING TO SECTION 3.5.7 OF THE STANDARD W&S SPECIFICATIONS. CONNECTION TO EXISTING STORM SEWER PIPE SHALL BE MADE CONFORMING TO SECTION 3.2.19 OF THE STANDARD W&S SPECIFICATIONS.
- PIPE BEDDING**
SHALL BE CLASS B AS PER SECTIONS 3.2.6 & 6.43 OF THE WISCONSIN W&S SPECIFICATIONS. BEDDING SAND WILL NOT BE ALLOWED.
- PIPE BACKFILL**
SHALL BE MECHANICALLY COMPACTED EXCAVATED MATERIAL, OR GRANULAR MATERIAL AS PER SECTION 209 OF THE STANDARD SPECIFICATIONS.



STANDARD EROSION CONTROL PROVISIONS

GENERAL NOTES FOR CONSTRUCTION EROSION CONTROL:

- REFER TO WDNR'S STORMWATER WEB PAGE OF TECHNICAL STANDARDS @ [HTTP://DNR.WI.GOV/ORG/WATER/WM/NPS/STORMWATER/TECHSTDS.HTM#CONSTRUCTION](http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm#construction)
- CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE WDNR'S STORMWATER WEB PAGE OF TECHNICAL STANDARDS @ [HTTP://DNR.WI.GOV/ORG/WATER/WM/NPS/STORMWATER/TECHSTDS.HTM#CONSTRUCTION](http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm#construction)
- INSTALL SEDIMENT CONTROL MEASURES PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL. ADJUST ALL SEDIMENT CONTROL MEASURES TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.
- PROVIDE WEEKLY INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. MAINTAIN DOCUMENTATION OF INSPECTIONS PER THE PROJECT SPECIAL PROVISIONS. SEDIMENT CONTROL MEASURES ARE TO BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
- IN ADDITION TO WEEKLY INSPECTIONS, INSPECT SEDIMENT CONTROL STRUCTURES FOR INTEGRITY AFTER ANY RAINFALL OF 1/2" OR GREATER AND CORRECT ANY DAMAGED STRUCTURES.
- DO NOT REMOVE SEDIMENT CONTROL MEASURES UNTIL THE AREAS SERVED HAVE ESTABLISHED VEGETATIVE COVER.
- COLLECT TRACKED SOIL FROM PAVED ROADS LOCATED NEAR THE CONSTRUCTION SITE. ALL STREETS SHALL BE SWEEPED AND CLEARED OF ALL DIRT AND DEBRIS DAILY.
- WHEN DISCHARGING TRENCH WATER REFER TO WDNR TECHNICAL STANDARD 1061 FOR DE-WATERING IN ORDER TO PROPERLY FILTER WATER IN A SETTLING BASIN OR FILTERING DEVICE PRIOR TO RELEASE INTO A INTO A STORM SEWER OR STREAM.
- PROTECT STORM SEWER SECTION BASINS FROM RUN-OFF WITH FABRIC PER WDNR TECH STD 1060.
- PREVENT OVERLAND FLOW FROM LEAVING THE WORK SITE BY INSTALLING STRAW BALE OR FABRIC FILTER FENCING PARALLEL TO THE CONTOURS LOCATED DOWNHILL FROM THE WORK AREA.
- SEDIMENT CONTROL FOR PIPELINE CONSTRUCTION.
 - PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE INSTALLATION.
- TEMPORARY SEEDING AREAS WHICH LAND-DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 30 DAYS AND REQUIRES VEGETATIVE COVER FOR LESS THAN ONE YEAR. PERMANENT SEEDING AND STABILIZATION SHOULD BE APPLIED WITHIN A WEEK OF FINAL GRADE BEING ESTABLISHED.
- ALL LAND DISTURBANCE AND STABILIZATION FOR THIS PROJECT WILL OCCUR BETWEEN APRIL 15TH AND SEPTEMBER 15TH. WARM SEASON SEEDING CAN BE USED DURING THIS TIME PERIOD. SHOULD SEEDING NEED TO BE COMPLETED AFTER NOVEMBER 15TH, A DORMANT SEED MUST BE USED. ALL SEEDING CONSTRUCTION SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD 1059.

**PROJECT SPECIFIC EROSION CONTROL PLAN
CITY OF WATERLOO – ADAMS STREET ROADWAY AND UTILITIES IMPROVEMENTS.**

TRACKING PADS

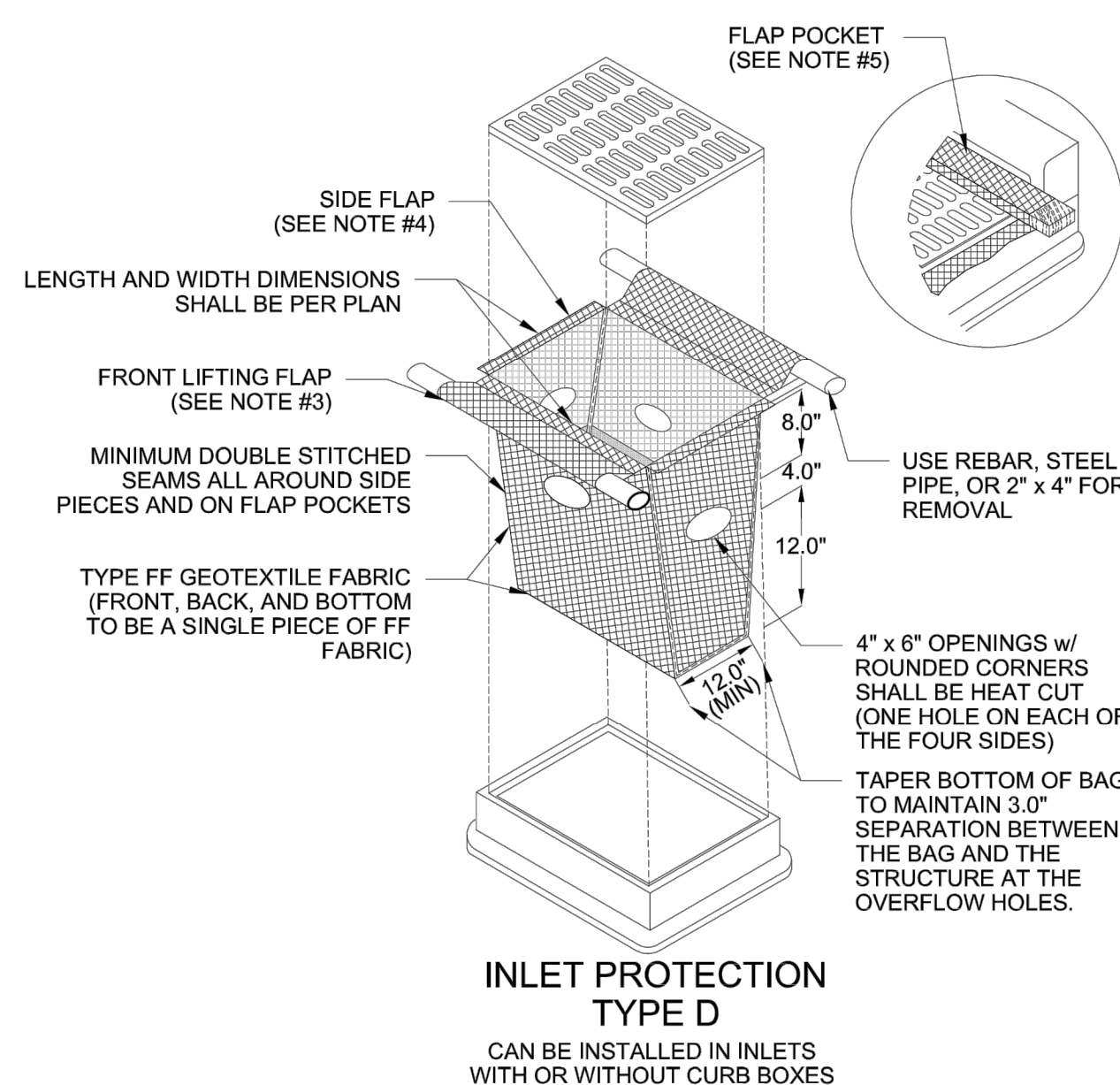
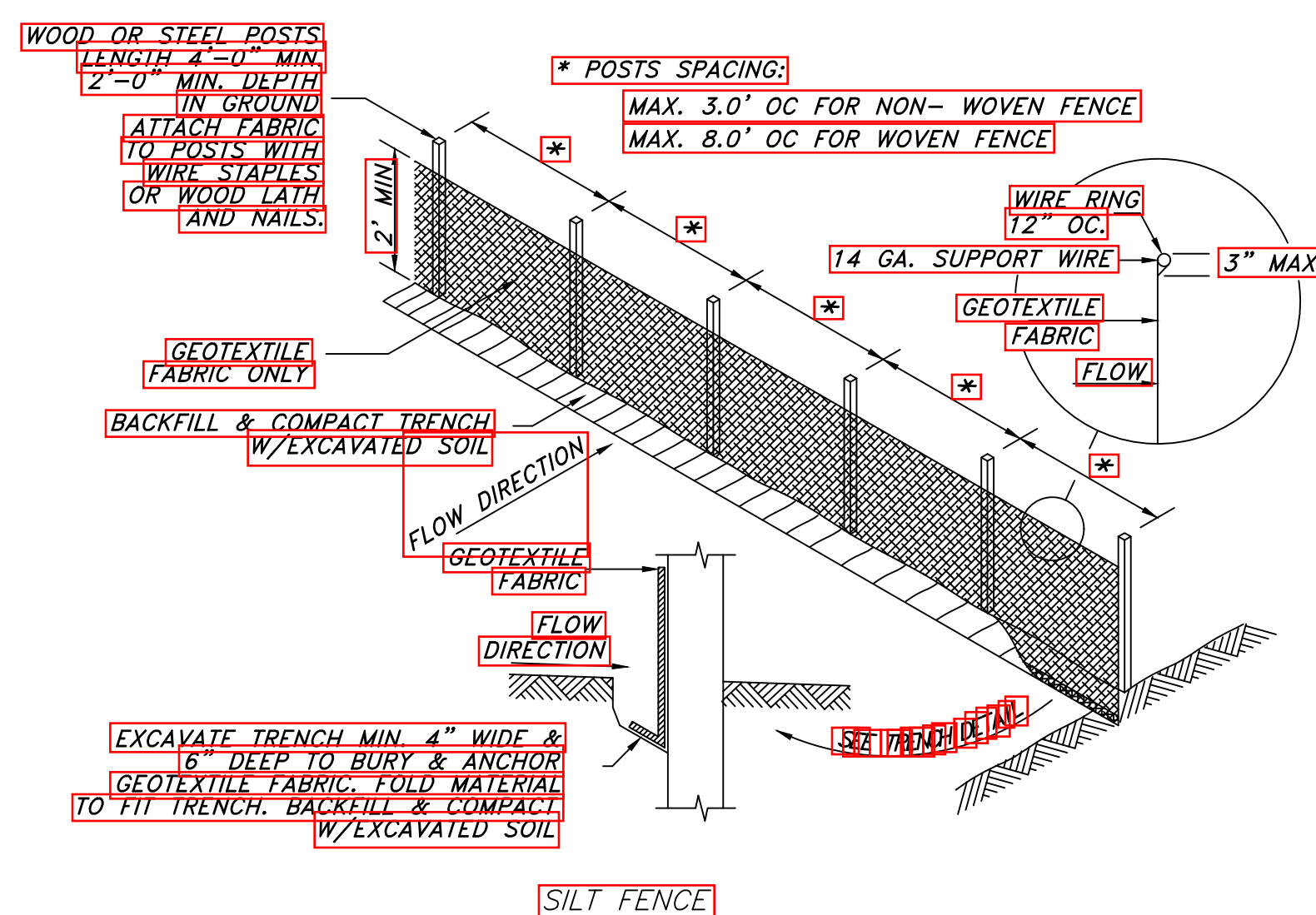
TRACKING PADS MUST BE INSTALLED PER EROSION CONTROL DETAILS WHERE SHOWN ON THE PLANS.

INLET PROTECTIONS

WHERE SHOWN ON THE PLANS, INLET PROTECTION MUST BE INSTALLED ON ALL EXISTING INLETS PER THE EROSION CONTROL DETAILS PRIOR TO CONSTRUCTION. INLET PROTECTION SHALL BE INSTALLED ON ALL NEW INLETS AS THEY ARE INSTALLED.

CONFORM TO APPLICABLE WDNR TECHNICAL STANDARDS

- 1052 NON-CHANNEL EROSION MAT
- 1057 STONE TRACKING PAD
- 1058 MULCHING
- 1059 SEEDING
- 1060 INLET PROTECTION
- 1061 DE-WATERING
- 1067 GRADING PRACTICES FOR EROSION CONTROL
- 1068 DUST CONTROL



INLET PROTECTION TYPE D

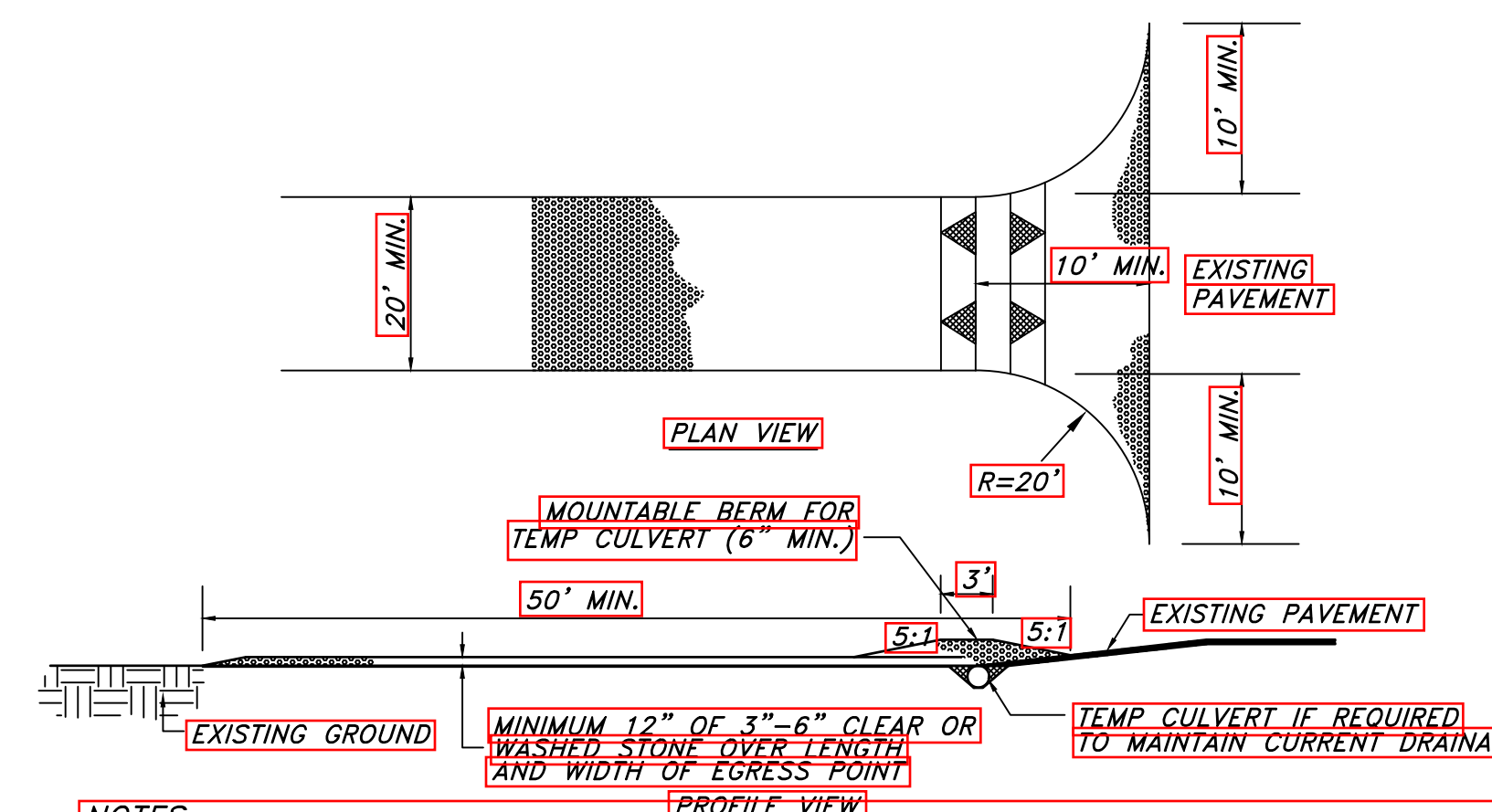
INLET PROTECTION TYPE D SHALL BE INSTALLED IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS 1060. INLET PROTECTION IS TO BE INSTALLED ON ALL EXISTING AND INSTALLED INLETS IN THE PROJECT LIMITS AS SHOWN ON THE PAVING PLANS OR AS DIRECTED BY OWNER/ENGINEER. INLET PROTECTION FOR NEW OR REPLACEMENT INLETS IS TO BE INSTALLED AS THEY ARE INSTALLED.

NOTES:

- TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN BAG AND STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
- GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAG.
- FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG
- SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG, FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.
- FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT 2"x4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

MAINTENANCE NOTES:

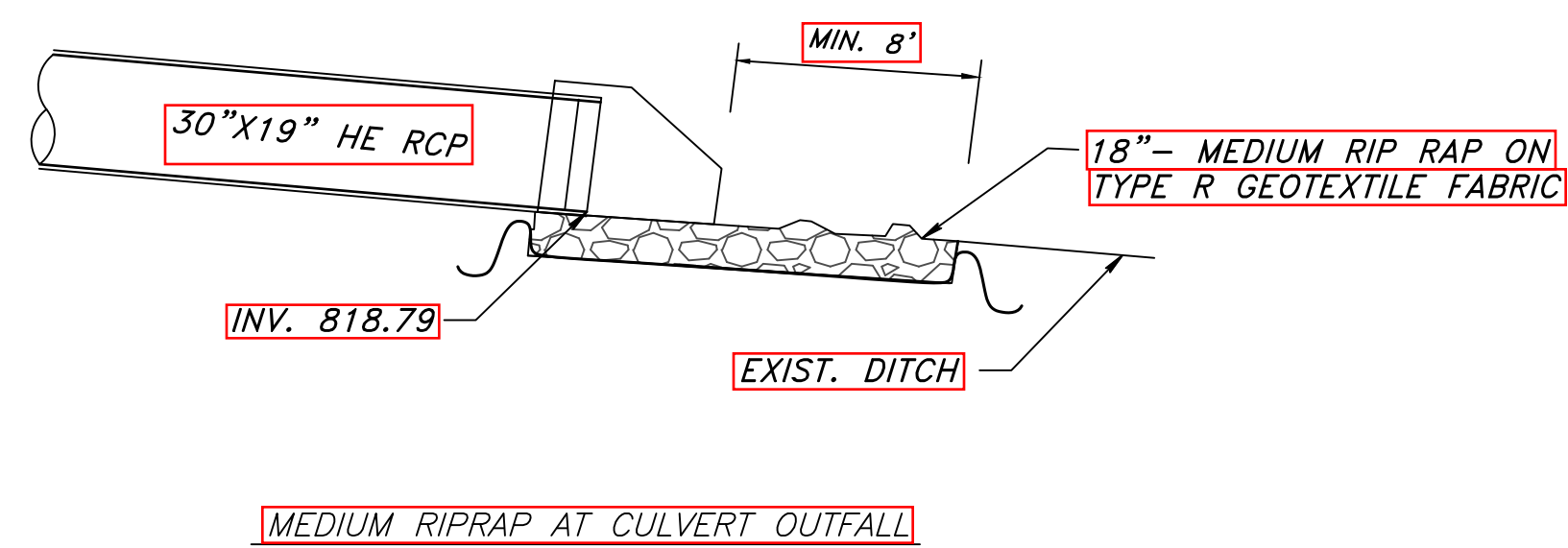
- WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.



NOTES:

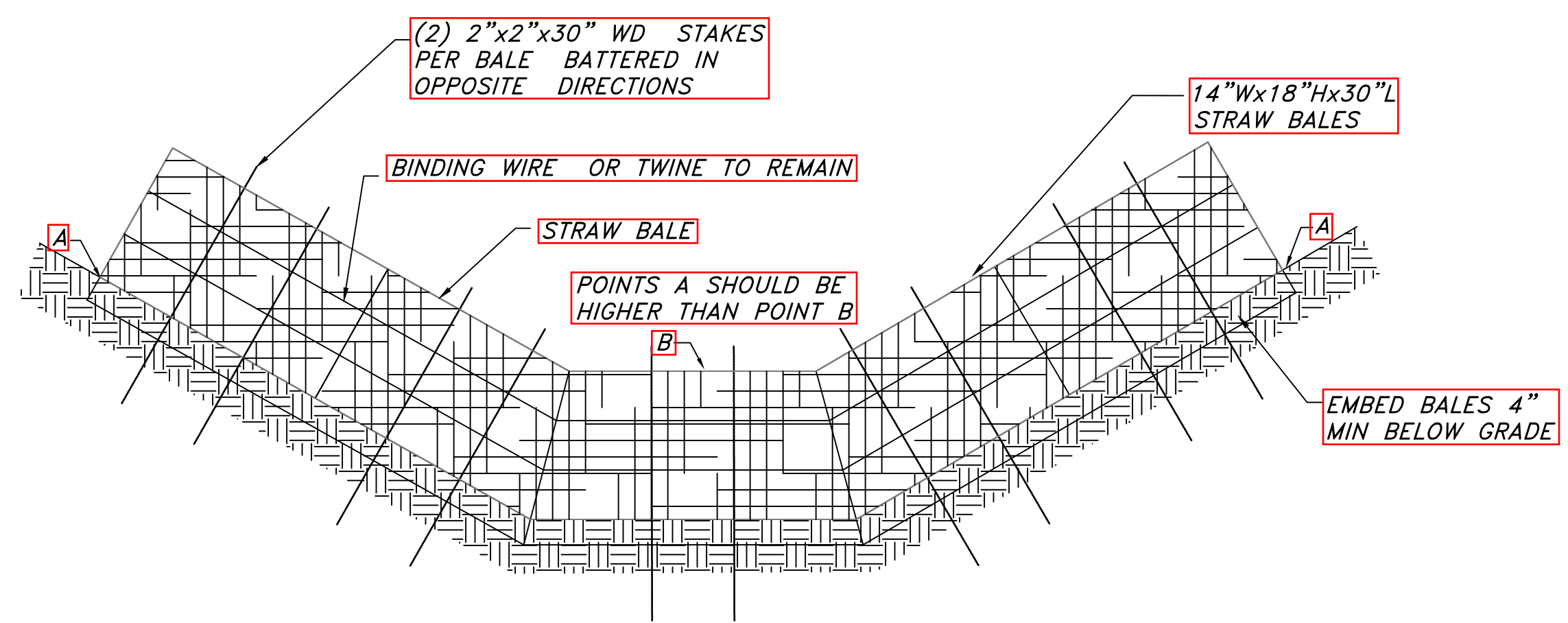
- LOCATION – A TRACKING PAD SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.
- SURFACE WATER – ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE. MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND MINIMUM OF 6" OF STONE OVER THE PIPE. TO BE SIZED ACCORDING TO THE DRAINAGE. 8" MINIMUM WILL BE REQUIRED.
- MAINTENANCE – TRACKING PAD SHALL BE INSPECTED DAILY AND REPAIRED OR REPLACED IMMEDIATELY.
- REMOVAL – SITE STABILIZED/SEEDED/PAVED AS PER SPECIAL PROVISIONS.

TRACKING PAD / STABILIZED CONSTRUCTION ENTRANCE



NOTES:

- BALES SHALL BE PLACED END TO END OR OVERLAPPING AT RIGHT ANGLES TO THE DIRECTION OF FLOW AND FAR ENOUGH UP THE SIDES OF THE DITCH TO PREVENT ERODING AROUND THE ENDS.
- BALES SHALL BE PLACED WITH TWINE OR TIE WIRES PARALLEL TO THE GROUND.



DITCH CHECK/STRAW BALE CHECK



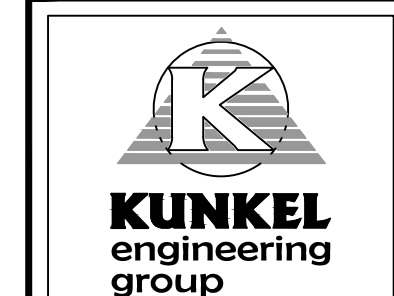
NOTE:
1. CERTAIN UTILITIES AND/OR STRUCTURES BOTH ABOVE AND BELOW GROUND HAVE BEEN LOCATED ON THE PLANS. THESE LOCATIONS SHALL NOT BE TAKEN AS CONCLUSIVE. VERIFICATION TO BE MADE BY THE CONTRACTOR. UTILITIES AND/OR STRUCTURES WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE ASSUMED TO BE A PART OF THE CONTRACT.
2. ANY STREET FRONT OF WAY LINES OR PROPERTY LINES SHOWN ON THESE PLANS ARE ONLY FOR INFORMATION AND SHALL NOT BE USED FOR ANY PURPOSE WITHOUT FIRST CONSULTING WITH THE CITY SURVEYOR OR THE PROJECT ENGINEER OR KUNKEL ENGINEERING GROUP.

NOT REVISED

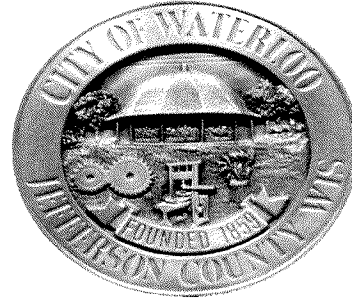
SCALE: NO SCALE

PROJECT: #KUPD.1055	DATE: 07/07/2021	DRAWN BY: ZA	APPROVED BY: CK
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CITY OF WATERLOO, WISCONSIN
2021 ADAMS STREET ROADWAY AND UTILITIES RECONSTRUCTION
EROSION CONTROL PROVISIONS & DETAILS



107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
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FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

2021-2025

CAPITAL IMPROVEMENTS PLAN

"A capital improvements program is a schedule of one time municipal expenditures for major facilities, along with cost estimates and sources of financing. The purpose of the CIP is to establish an orderly plan for setting priorities and offering a means of analyzing the city's ability to pay for the acquisition or construction of facilities to meet long-range community needs."

CITY OF WATERLOO
CAPITAL IMPROVEMENT PLAN 2021-2025

CAPITAL IMPROVEMENT REQUEST			Capital Estimated	FUNDING	
ACCOUNT	DEPT	DESCRIPTION	Cost	YEAR	PRIORITY
400-57-5701-828	CAPITAL	CAP PROJ-DEYOUNG FARMS	3,500.00	2021	3
400-57-5701-830	CAPITAL	CAP PROJ-TREYBURN FARMS	3,000.00	2021	3
400-57-5711-824	CAPITAL	CITY ASSESSOR	30,000.00	2021	1
400-57-5701-802	DPW	DPW-STREET PROJECT 2021 (ADAMS ST CONSTRUCTION)	684,494	2021	1
400-53-5310-215	DPW	DPW-STREET PROJECT 2021 (ADAMS ST ENGINEERING)	68,494	2021	1
400-57-5711-813	DPW	DPW-SPECIAL FUNDS EQUIPMENT	50,000	2021	1
220-57-5701-800	FIRE	FIRE DEPT-PARKING LOT	80,000.00	2021	1
220-57-5701-800	FIRE	FIRE DEPT-COMMUNICATION-RADIOS	197,839.00	2021	1
225-57-5701-800	PARKS	PARKS-DUGOUT RENO-PRESS BOX (ALL FIELDS)	35,000	2021	1
220-57-5701-800	PARKS	PARKS-ROUNDHOUSE CONCRETE AND SIDEWALK	5,000	2021	1
225-57-5701-800	PARKS	LIFT STATION WORK BY WATERLOO UTILITIES	25,000	2021	1
225-57-5701-800	PARKS	PARKS RIP RAP (project struck per Finance Committee Action)	0	2021	+
225-57-5701-800	PARKS	PARKS-BATHROOM RENOVATION (OUTDOOR/PAVILION)	25,000	2021	1
225-57-5701-800	PARKS	PARKS-FENCE RENOVATION-(FIELD B & C)	60,000	2021	1
400-57-5701-817	POLICE	POLICE-CAP PROJ SQUAD CAR	25,000	2021	1
400-57-5701-817	POLICE	POLICE-CAP PROJ COMMUNICATIONS-RADIOS	45,000	2021	1
400-57-5701-823	POLICE	POLICE-CAP-SQUAD CAR COMPUTER	7,800.00	2021	2
400-57-5711-820	POLICE	POLICE-CAP PROJ-EMERGENCY GOV'T	1,000.00	2021	5
220-57-5701-800	FIRE	FIRE-CAP PROJ-BAY FLOORS	93,000.00	2022	2
225-57-5701-800	PARKS	PARKS-LOWER PARKING LOT	35,000.00	2023	1
225-57-5701-800	PARKS	PARKS-KITCHEN RENOVATION	30,000.00	2023	1
220-57-5701-800	FIRE	FIRE-CAP PROJ-INTERIOR FLOOR	65,000.00	2024	4
225-57-5701-800	PARKS	PARKS-BANQUET CHAIRS	175,000.00	2024	1
225-57-5701-800	PARKS	PARKS-A/C UPDATE	175,000.00	2024	1
225-57-5701-800	PARKS	PARKS-ELECTRICAL UPDATE	175,000.00	2024	1
225-57-5701-800	PARKS	PARKS-UPPER PAVILION FLOORING	175,000.00	2024	1
220-57-5701-800	FIRE	FIRE-CAP PROJ-AMBULANCE	300,000.00	2025	5
225-57-5701-800	PARKS	PARKS-LOWER PAVILION RENO	125,000.00	2025	1
225-57-5701-800	PARKS	PARKS-REUNION SHELTER	1,500,000.00	2025	1
225-57-5701-800	PARKS	PARKS-BASKETBALL COURT RENO	\$1,500,000	2025	1
400-57-5701-823	POLICE	POLICE-CAP-TASER	3,200.00	2022 & 2024	3
400-57-5711-812	POLICE	POLICE-CAP-SQUAD CAR CAMERA	8,000.00	2023 & 2025	3

City of Waterloo Public Works & Property Committee Annual Calendar

- Meeting night: 1st Thursday of month at 6:00 pm
- Monthly recurring: (1) review of Capital Projects; (2) monitor defined Progress Measures

JANUARY
<input type="checkbox"/> Oversight of bid process for future year capital purchases & contract services
FEBRUARY
<input type="checkbox"/> Notify Mayor of reappointment interest
MARCH
<input type="checkbox"/> Identify grant application opportunities
APRIL
<input type="checkbox"/> Mayoral Committee appointments
MAY
<input type="checkbox"/> Review and realign Progress Measures as needed tying back to Comprehensive Plan
<input type="checkbox"/> Update annual calendar
<input type="checkbox"/> Tour of municipal facilities
<input type="checkbox"/> Public Works Director's Spring facility inspection report (added at Mayor's request)
JUNE
<input type="checkbox"/> Mayor's 2020 Budget start date.
JULY
<input type="checkbox"/> Traditional beginning of budget consideration with budget memo to department heads.
<input type="checkbox"/> § 53-14 Recommending updated multi-year capital improvement plan to Finance, Insurance & Personnel Committee
<input type="checkbox"/> Review DPW future year budget submittal
- Operational budget
<input checked="" type="checkbox"/> Programs & Services provided
- Capital Budget
<input checked="" type="checkbox"/> Street surface maintenance program
<input checked="" type="checkbox"/> Street/Utility reconstruction plan
AUGUST
<input type="checkbox"/> PASER review (<u>P</u> avement <u>S</u> urface <u>E</u> valuation & <u>R</u> ating) – A 1-10 rating system for road pavement condition using visual inspection to evaluate pavement surface conditions
SEPTEMBER
<input type="checkbox"/> Review of municipal facility needs (multi-year)
OCTOBER
<input type="checkbox"/> Evaluating the municipal solid waste management system; trash-recycling service performance & contract
<input type="checkbox"/> Oversight of bid process for future year capital purchases & contract services
<input type="checkbox"/> Review of municipal facility needs (multi-year)
<input type="checkbox"/> Public Works Director's Fall facility inspection report (added at Mayor's request)
NOVEMBER
<input type="checkbox"/> Oversight of bid process for future year capital purchases & contract services
<input type="checkbox"/> Review of municipal facility needs (multi-year)
<input type="checkbox"/> Review of City Forestry Plan
DECEMBER
<input type="checkbox"/> Oversight of bid process for future year capital purchases & contract services
<input type="checkbox"/> Impact fee needs assessment update based on prior months review
<input type="checkbox"/> Review of municipal facility needs (multi-year)

NOTES FROM MUNICIPAL CODE

[§ 53-14 Capital improvement program policy.](#)

Policy. The City will make all capital improvements in accordance with an adopted capital improvement program. The City will develop a five-year plan for capital improvements and update it annually.

C. Procedure. The City of Waterloo Finance, Insurance and Personnel Committee or its designee shall, prior to each annual budget process, submit a capital improvement plan consisting of a project description, estimated costs and probable funding sources to the Council for its consideration. The Council shall act on the recommendations in a timely manner.

[§ 332-1 Committee responsible for trees.](#)

The Public Works and Property Committee shall, subject to the supervision and control of the Council, and except as herein provided, have jurisdiction and direction over all trees planted and growing in and upon City-owned property; that part of every street, the grade of which has been established, lying between the lot line and the curb; and trees on any property which may in any way have effect upon public property and upon the public welfare of the City, and for the planting, care, maintenance, protection and removal thereof. The Committee may make such rules and regulations as it may deem advisable for carrying out the purpose of this chapter.

[§ 332-4 Removal of trees and stumps; replacement of trees.](#)

A. All dead, hazardous and infected trees in the public right-of-way will be removed by the City at the expense of the City. All other trees in the public right-of-way shall be removed at the expense of the owner of the abutting property. If trees are removed by the owner of the abutting property, he shall cause all stumps to be removed and the area cleaned of all branches, leaves and other debris. If such is not done in a manner satisfactory to the Tree Committee, the Committee may order the Director of Public Works to do so and may charge the expense to the abutting property, pursuant to § 66.0627, Wis. Stats.

B. If a tree is removed from a tree lawn less than six feet wide, a tree will be provided by the City at 50% of the municipal cost to property owners and will be planted on the property owner's front lawn, providing that the Public Works Director determines that the property has sufficient front yard space to accommodate a tree. All municipally provided trees shall become the full responsibility of the property owner.

[Added 2-20-2014 by Ord. No. 2014-02]