APPLICATION/PERMIT FOR CONNECTION TO STATE TRUNK HIGHWAY

Wisconsin Department of Transportation (WisDOT)
DT1504 9/2009 s. 86.07(2) Wis. Stats. & Ch. Trans 231 Wis. Adm. Code

		D11304 9/2009 5.00.	07(Z) VVIS. SI	als. & On. Hans 231	vvis. Auii	i. Code	
If the (STHPlease this for estate	it does not create a ri q property has any lega l), WisDOT cannot app se type or print neatly orm per the instruction mation, visit: http://wisee/permits/default.aspx	on for permission for a STH ght of access or access earl restrictions that prohibit accesses a STH connection per y in ink. Fill out the required s. One form is required per consindot.gov/Pages/doing.	esement for ecess to a significant for the p d information connection bus/real-	r the property. tate trunk highway property. n on both sides of . For more	WISDOT OFFICE INFORMATION	Wisconsin DOT SW Region - Madis 2101 Wright St. Madison, WI 53704	son Office
• Pleas	se provide a copy of	the property deed with all	application	ns.			
APPLICANT INFORMATION	Applicant Name and Mailing Address – Street/PO Box, City, State, ZIP Code Sky Ridge-Sun Prairie, LLC 230 Ohio St Suite 200 Oshlosh, WI 54902			e, ZIP Code		erty Owner Name / Addre	
7	4. Highway Number(s)	5. County	6. 🛛 City	☐ Village ☐ Town	7. Side	of the Highway	
101	19	Dane	of: Sun Pra	airie	⊠ Nor	th South E	ast 🗌 West
ON	8. Located within the				9. Fire o	or Street Number (If applic	cable)
LC ATI		E Quarter, Section 04, Tow	n 08N North	Range 11F	1050	(((((((((
ION	ŕ	•		, ,			
IECTION LOCA INFORMATION		de Road from Location Distan			11. How far is the location from the nearest non-side road connection		350
Connection Location Information	Musket Ridge Dr.	1, <u>150 -</u> (Fe	eet or Miles)	East (N, S, E, W)	on the s	same highway?	(Feet or Miles)
Ö	Latitude: 43°10'51.1'	"N Longitude: 89"	°11'39.0"W				·
Е	12. Proposed Activity	13. Proposed Use (Check on	e – See instri	uctions for category de	escription	n) 16. Proposed Trips Pe	er Day (Check one)
CONNECTION TYPE INFORMATION	 ☐ Construct New ☐ Alter Existing ☐ Remove Existing ☐ Permit Existing ☐ Is this a change of the existing use (If apple) 			Rural – Agricultural ☐ Seasonal ☐ 101-1000 Public Road ☐ 1-50 ☐ Over 1000 Trail or Trail Crossing ☐ 51-100 Peak hour traffic count: 95		ver 1000	
ပိ				sed Surface: Asphalt		QUESTIONS 17-27 o	n BACK PAGE
and fille supplem by WisE restriction It is furth compliant laws, contact other jun prohibite	ed-in on this application nental provisions, superind DOT. The applicant shall ons along with the construer understood that WisD nee with relevant state stodes, rules, regulations, risdictional agencies. The ed. Under s. 86.073 Wiscon may be appealed.	which include the information along with any conditions, inposed notes, and detail draw be responsible for complying action and maintenance of the coor's approval is subject to appretatutes and administrative rule ordinances and permit require alteration of this form by the aconsin Statutes, WisDOT's permits of the coordination of the coordinat	covenants, ings added with these connection. blicant's full s, plus any rements of applicant is nit denial or	with this form is incomplete information well as criminal professional with the complete information with the complete information with the complete information with the complete incomplete incomplete information with the complete information wit	correction management management control contr	d Representative) sean@no) (E-mail a	iding incorrect or al or revocation as
N TUE				T			(00ABLE)
Please vork with Follow p	contact WisDOT Pete nin the Right of Way (R plans from 11-07-2024	,		Permit API Permit DEI Application X	NIED n DISM	IISSED (11/07/2024
Provide a schedule prior to work on ROW If closing a lane or shoulder, provide the following advance notification to the Wisconsin Lane Closure System			(WisDOT Authorize (If Computer-filled,	Brush So	cript Font)	(Date)	
(https://transportal.cee.wisc.edu/closures/)				☐ Temporary permit. Expiration date:			
See add	ditional Supplemental F	Provisions		☐ This permit vo	ids / rep	places permit #	
		2024 (Updated Bike Path W	idth	Shared		o-user name:	
,				COLLIGECTION	Re	elated permit #	

File:

17.	Yes	☐ No	Is the property zoned? Provide documentation from the jurisdic	ctional zoning authority.
18.			Explain how the land is currently being used:	Lot is zoned as Planned Development (PD). lot is currently vacant. No zoning change planned.
19.	☐ Yes	⊠ No	Are you aware of any plan to change the zoning or land use for the property? If yes, explain.	
20.	⊠ Yes	□No	Is this connection for property that was part of a land division or assemblage created on or after 2/1/99? If yes, explain.	Lot 1 of CSM 16354 dated 09/26/2023
21.	☐ Yes	⊠ No	Do you own other property abutting the highway that is next to the property that this connection will serve? If yes, describe.	
			Note 1: Answering "yes" to #20 or 21 may result in a Wis. Administrative Code Trans 233 review by WisDOT. If this is needed, the processing of your application may be delayed.	
22.	☐ Yes	⊠ No	Does the property abut or border another public road? If yes, provide the road's name.	
		23.	☐ Yes ☒ No Are there any existing connections to any road	serving the property? If yes, how many?
24.	☐ Yes	⊠ No	Are there any restrictions on the number, use, or location of cor	nnections to the property?
25.	⊠ Yes	□No	Are there any access easements across the property (recorded	or unrecorded)?
			Note 2: If you answered "yes" to #24 or 25, provide a copy of all documents relevant to the restrictions and/or easements	
26.	Provide	the prop	perty tax identification number: <u>2282/0811-044-6601-2</u>	
27.	What is	the pror	posed construction completion date for the connection? See Cor	nditions of Issuance #9 -02/01/2025 06-15-2025

FOR ANY NEW CONNECTION OR CONNECTION TO BE MOVED, APPLICANT SHALL PLACE A FLAG OR MARKER IN THE HIGHWAY DITCH OR FORESLOPE (VISIBLE FROM THE HIGHWAY) AT THE PROPOSED LOCATION.

CONDITIONS OF ISSUANCE

- 1. WisDOT reserves the right to make such changes, additions, repairs, relocations and removals within statutory limits to the connection or its appurtenances on the right-of-way as may at any time be considered necessary to facilitate relocation, reconstruction, widening, and maintenance of the highway, or to provide proper protection to life and property on or adjacent to the highway, or if alternative access to the property becomes available.
- 2. Except in cases where the indicated connection may be constructed by forces acting on behalf of WisDOT due to a highway improvement or maintenance project, the permittee shall do all of the following: (a) Furnish all materials, do all work, and pay all costs for the construction and maintenance of the connection and its appurtenances on the right-of-way. Materials used and the type and quality of the work shall be appropriate for the connection type specified in this permit; (b) Do all work without jeopardy to, or interference with, traffic using the highway; (c) Promptly restore to WisDOT's satisfaction and at least pre-existing conditions, highway surfaces, shoulders, ditches, vegetation, drainage appurtenances, guardrail, signs, electric conduits/cables, etc. disturbed by any work; (d) Maintain the connection and its appurtenances within the right-of-way limits, which includes keeping them in a proper state of repair, preventing the blockage or impairment of right-of-way drainage, and preventing aboveground obstacles to occur that could cause serious injury or death to a motorist in an errant vehicle; (e) Not disturb or cause the disturbance of any survey marker without the prior written approval of WisDOT.
- 3. The permittee, indicated on the reverse side, represents all parties in interest, and agrees that any connection or approach constructed by or for the permittee is for the purpose of obtaining access to the property (listed in #26) and not for the purpose of parking or servicing vehicles, or for advertising, storage, or merchandising of goods on the right-of-way.
- 4. The permittee shall not make any changes to the connection, its appurtenances, or adjacent right-of-way, including, without limitation, changes to the location (#4-11), use (#13), width (#14), surface (#15), or increase the number of trips per day (#16) approved by this permit without obtaining <u>prior written approval</u> from WisDOT. WisDOT will evaluate all potential highway impacts that may arise from the proposed change(s) and therefore, does not guarantee approval.
- 5. The permittee, successors or assigns agree to hold harmless the State of Wisconsin and its duly appointed agents and employees against any action for personal injury or property damage sustained by reason of the exercise of this permit.
- 6. WisDOT does not assume any responsibility for the removal or clearance of snow, ice or sleet, or the opening of windrows of such material upon any portion of any connection along any state trunk highway even though snow, ice or sleet is deposited or windrowed on said connection by its authorized representative engaged in normal winter maintenance operations.
- 7. Under Wisconsin Administrative Rule Trans 401, the permittee shall implement proper erosion control and storm water management measures at all times during work operations and upon completion of the connection to protect all restored areas until the replacement vegetation achieves sustained growth.
- 8. Rock, asphalt, concrete, timber or other embankment retention or marking treatments for the connection are prohibited.
- 9. If the permitted work has not been started by the construction completion date, this permit is <u>null and void</u>. If the work has been started but is not finished by the construction completion date, no additional work shall be done unless authorized through an approved written time extension or a subsequent permit from WisDOT. Accomplishment of any part of the work shall verify agreement by the permittee to conform to this permit and to be bound by all of its requirements, restrictions, and obligations, all of which shall continue to be in full force and effect. WisDOT does not guarantee the approval of a time extension or subsequent permit since the conditions WisDOT based its permit approval upon may have changed between the permit approval date and time extension request date.

Instructions for APPLICATION/PERMIT FOR CONNECTION TO STATE TRUNK HIGHWAY

Wisconsin Department of Transportation (WisDOT) form DT1504 (9/2009)

GENERAL INSTRUCTIONS

Use one form for each state trunk highway (STH) connection. A connection can be a driveway, public or private road, or a trail or trail crossing. The form initially serves as an <i>application</i> for a connection between a property and a STH. Then if approved, the completed form becomes a <i>permit</i> for the STH connection. If the property has any legal restrictions that prohibit access to a STH, WisDOT cannot approve a STH connection permit for the property, and therefore, you should not apply for this permit.
Two copies of this application must be completed, signed and dated by the applicant. Send one copy with an original signature to the appropriate Regional Transportation Office, and <i>keep</i> the other for your records. Go to: http://wisconsindot.gov/Pages/doing-bus/real-estate/permits/default.aspx for a list of office addresses, staff contacts, and a regional boundary map.
Just below the signature line, provide an area code and telephone number where you can be called between the hours of 8 a.m. and 4:30 p.m. Monday through Friday. Note at the top of the form if there are particular times of the day and/or days of the week that are more convenient to call you. If you have an e-mail address, provide that too. WisDOT may send you correspondence and/or your approved permit via e-mail in order to speed up the processing of your application.
Fill out all required information. Processing may be delayed or a form returned if information is missing.
With your application, provide a copy of the property deed. Also provide a copy of a certified survey map, if applicable.
If you have an existing WisDOT permit for a connection that you are planning to alter, relocate, or remove, provide a copy of that permit.
Copies of Wisconsin Statute 86.07(2) and Administrative Code Trans 231, which regulate a STH connection, are either enclosed (if this form was mailed to you) or available on the website listed above. Contact your local government officials for other statutes, ordinances, and permit requirements that may also apply to connections.

SPECIFIC INSTRUCTIONS FOR EACH QUESTION

- 1. **Applicant Name and Mailing Address**: Provide the full name of the property owner or person requesting the permit. For a public road, this must be a unit of government. Also provide the street name and number and/or PO box number, city, state, and ZIP code. The address information is used to return the application/permit to the applicant.
- 2. Property Owner Name / Address (if not applicant): Provide the full name and address.
- 3. **If Not Property Owner, Reason for Application?** Permits are typically issued to property owner(s), but may be issued to prospective buyers. For example, if you are not the current property owner but plan on purchasing the property, then provide a copy of the **accepted** "Offer to Purchase" document with your application.
- 4. **Highway Number(s)**: Provide the STH route number that the connection will attach to. Provide all route numbers if two or more STHs run concurrently.
- 5. **County**: Provide the county name.
- 6. **City Village Town**: Check the appropriate box and provide the name.
- 7. **Side of the Highway**: Check the appropriate box for the side of the highway of the connection location.
- 8. **Located Within the:** This information may be obtained from the property tax bill or by contacting the appropriate town, village, city, or county clerk. If you cannot obtain this information, leave the section blank and WisDOT will complete it. Choices for quarter are: NE, NW, SE, or SW; for Section: 1-36; for Town: 1-51; for Range: 1-20 W or 1-29 E.

Instructions for APPLICATION/PERMIT FOR CONNECTION TO STATE TRUNK HIGHWAY

Wisconsin Department of Transportation (WisDOT) form DT1504 (9/2009)

- Fire or Street Number (if applicable): Provide the fire or street number if one has been assigned to the property, or provide it to WisDOT as soon as it is assigned. A Government Lot number may be inserted if there is no fire or street number.
- 10. **Name of Nearest Side Road from Location**: Provide the full name of the nearest intersecting road to the connection.

Distance and Direction from Side Road: Estimate the approximate distance (in feet or miles) by starting at the nearest side road and going along the STH until you reach the center of the connection location. Select north, south, east or west (or N, S, E, W) for the direction.

- 11. How far is the location from the nearest non-side road connection on the same highway? A non-side road connection will either be a driveway or a trail crossing, and may be on either side of the highway. For questions 10 and 11, the distance may be estimated by driving (0.1 mile equals 528 feet).
- 12. Proposed activity: Check only one of the four activity boxes: Construct New: to construct a new connection. This may include removal of existing connections if required. If you are relocating a connection with a valid WisDOT permit, submit one form with "construct new" checked, and WisDOT will generate a corresponding form with "remove existing." Alter Existing: to physically modify, or change the use* of, a connection with a valid WisDOT permit whose location will not change. This includes work beyond routine maintenance such as paving a connection, widening a connection, replacing a culvert, and improvements to the highway. **Remove Existing:** to remove a legal connection. Permit Existing: to obtain a valid WisDOT permit for an existing unpermitted connection. *Note: "Change the use", means any modification to a property that results in a change in the number and/or types of vehicles using a property's connection. Examples include changing from residential to commercial use, changing from single to multiple residential use, subdividing to accommodate additional residences or businesses, and changing the type of business. 13. Proposed use: Each connection serves a specific use. Check the one box that best defines the use. A rural-type highway typically has a ditch. An urban-type highway typically has curb and gutter. Rural - Commercial/Industrial: a retail, wholesale, industrial or non-profit business next to a ruraltype highway. 35' maximum Rural - Residential: a private home next to a rural-type highway. 16' minimum - 24' maximum Rural - Agricultural: a field for planting, maintaining, and/or harvesting crops or tending livestock, or land for recreational and hunting use, next to a rural-type highway. This use may serve farm buildings, but may not serve residential buildings. 16' minimum - 24' maximum Urban - Commercial/Industrial: a retail, wholesale, industrial or non-profit business next to an urban-type highway. 35' maximum Urban - Residential: a private home next to an urban-type highway. 24' maximum Public Road: a road, street, highway, etc. that connects to a STH for public travel and use and is maintained by a local unit of government. Trail or Trail Crossing: a bike, snowmobile, etc. trail that is parallel to and/or crosses a STH.
- 14. **Proposed Width**: Provide the proposed width of the connection as measured at the right of way line. Minimum and maximum widths are regulated in Trans 231 and are listed in *italics* in #13.

Is this a change of the existing use (if applicable)? Check yes or no. See the note in #12 for the

15. **Proposed Surface**: Choose from grass, gravel, asphalt, or concrete.

definition of "Change the Use".

Instructions for APPLICATION/PERMIT FOR CONNECTION TO STATE TRUNK HIGHWAY

Wisconsin Department of Transportation (WisDOT) form DT1504 (9/2009)

- 16. **Proposed Trips Per Day**: Estimate how many trips will be made daily by vehicles going in and out of the connection. One vehicle going in and out of the connection equals two trips. "Seasonal" means a connection that is only used a few times during a year, for example, a field entrance or entrance to hunting lands.
 - **Peak hour traffic count**: For any connection that will generate 100 or more trips in any hour, 50 or more trips exiting in one hour, or 750 trips in an average day, provide the number of vehicles using the connection during the peak hour.
- 17. **Is the property zoned?** Check yes or no. **In either case, provide the appropriate documentation**, which may be obtained from the local zoning administrator or clerk of the appropriate township, village, city, or county where the property is located. Typically, a simple statement from the authority on its letterhead is sufficient for documentation, or WisDOT can provide a form if needed.
- 18. **Explain how the land is currently being used**: If the land use and zoning are the same, then write "same as zoning". If not, please explain the use. You may use the descriptions listed in #13 as a guide.
- 19. Are you aware of any plan to change the zoning or land use for the property? Check yes or no. If yes, briefly explain the circumstances regarding the change. For example, "construct new house" or "proposed development."
- 20. Is this connection for a property that was part of a land division or assemblage created on or after 2/1/99? Check yes or no. If yes, provide a brief explanation. For example, if the connection is for property that is being created from a larger piece of property, check yes. A land division can be splitting one property into two or more properties, or it can be an assemblage, which is the joining of properties or portions of properties to make a different property.
- 21. Do you own other property abutting the highway that is next to the property that this connection will serve? Check yes or no. If yes, briefly describe. The land may abut either side of the highway.
- 22. Does the property abut or border another public road? Check yes or no. If yes, provide the road's name.
- 23. Are there any existing connections to any road serving this property? Check yes or no. The road may be public or private. If yes, how many? Provide the total number including any field. Field entrances should be included in this amount.
- 24. Are there any restrictions limiting the number, use, or location of connections to the property? Check yes or no. See #25.
- 25. Are there any access easements across the property? Check yes or no. Access easements and/or access restrictions may be documented on a: subdivision plat, certified survey map, deed, access covenant (recorded or unrecorded), agreement, plat, map, or existing permit (WisDOT or non-WisDOT issued). Carefully review these documents when applying for a STH connection permit. An access easement is typically defined as granting another party the right of vehicular access across a property.
- 26. **Provide the property tax identification number**: This information may be found on the property tax bill or a county (or city) land records web site.
- 27. What is the proposed construction completion date for the connection? Provide the date. The date should not be longer than one year from the permit issuance date. If the permitted work has not been started by the date, the permit is null and void. If the permitted work has started but is not finished by the date, no additional work can be done unless an approved written time extension or a subsequent permit is obtained from WisDOT. To request either one, contact the WisDOT office that issued the current permit. Time extensions and subsequent permits are not automatically approved. A field review may be required to determine if conditions have changed since the current permit was approved. WisDOT strongly recommends completing construction of an approved connection as quickly

Permit #: 13-100332405-2024 AMEND-1

Instructions for

APPLICATION/PERMIT FOR CONNECTION TO STATE TRUNK HIGHWAY

Wisconsin Department of Transportation (WisDOT) form DT1504 (9/2009)
as possible. Once construction has started, it should be completed within 30 days to minimize traffic disruption.

Instructions for APPLICATION/PERMIT FOR CONNECTION TO STATE TRUNK HIGHWAY Wisconsin Department of Transportation (WisDOT) form DT1504 (9/2009)

If the connection is a public ro

	Th	e applicant must be the appropriate unit of government.			
	Provide a copy of the:				
	-	Resolution from the appropriate government Board or Council documenting the approval of the proposed road.			
	_	Executed deed showing the transfer of property from the landowner to the appropriate unit of government.			
For	all	public and private roads:			
		e proposed road must conform to local road standards as found in Wisconsin Statutes and WisDOT's cilities Development Manual.			
	Pro	ovide a copy of the:			
	_	General location map. An existing plat book map may be used for this.			
	_	Plat, if applicable			
	_	Traffic Impact Analysis (TIA), if required by WisDOT or local unit of government			
	_	Pictures of the proposed intersection from all four directions			
	Pro	ovide highway plans for the STH and proposed road showing the:			
	_	Designated right-of-way widths (See s. 82.50 Wisconsin Statutes for Town Road Standards)			
	_	Land ties and/or reference points			
	-	Proposed geometrics including surface type(s), lane width(s), approach grades (in all directions), turn lanes, bypass lanes, return radii, etc.			
	_	Drainage patterns and drainage structures including culvert size, endwalls, and extensions, if needed			
	-	Closest connections (other roads, driveways, trail crossings) in both directions along the STH from the proposed road, and along the proposed road from the STH			
	-	Cross-sections of all road improvements every 50' showing the original ground, proposed finished pavement elevations, ditches, and right-of-way line. Cross-sections along the local road should be provided at least 100' from the STH right-of-way line.			
	_	Pavement marking plan including new or restored markings, if needed			
	-	Erosion control and restoration plans			
	-	Traffic control plans during construction			
<u>For</u>	all	private roads:			
	Provide a copy of:				
	_	Proof of insurance, if requested by WisDOT.			
	-	A road maintenance agreement, if such an agreement has been developed and implemented by a group of property owners, businesses, etc., or association.			
lf th	e c	onnection is a trail or trail crossing:			
		e applicant may be a property owner, recreational group (for example, a snowmobile club), or unit of vernment.			
		r a trail crossing in which you are not the property owner, provide written permission from the property oners on each side of the highway that the connection can be attached to their property.			
	Pro	ovide a copy of the resolution or agreement that details the maintenance of the trail.			

Permit #: 13-100332405-2024 AMEND-1

SUPPLEMENTAL PROVISIONS

STH 19 Sky Ridge / Roers Development., City of Sun Prairie, Dane Co.

Pursuant to Wisconsin Statutes and once approved by WisDOT, this permit allows performance of the specific work described over which WisDOT has permit authority. *The permittee shall abide by these general provisions, and any supplemental and/or special provisions.* (ROW = right-of-way)

- Please contact Pete Kaiser (WisDOT) 608.245.2650 7 days prior to work within the Right of Way.
- Provide a schedule prior to work on ROW.
- Provide the WDNR and/or Municipal/County Construction Permit.
- Follow Plans dated November 5, 2024 (Updated).
- WORK RESTRICTIONS: Daily, holiday and/or seasonal work restrictions apply to the permitted work as detailed:
 - From noon Wednesday, November 27, 2024 to 6:00 AM Monday, December 2, 2024, for Thanksgiving;
 - From noon Monday, December 23, 2024 to 6:00 AM Thursday, December 26, 2024, for Christmas;
 - From noon Tuesday, December 31, 2024 to 6:00 AM Thursday, January 2, 2025, for New Years;
 - From noon Friday, May 23, 2025 to 6:00 AM Tuesday, May 27, 2025 for Memorial Day;
 - From noon Thursday, July 3, 2025 to 6:00 AM Monday, July 7, 2025 for Independence Day;
 - From noon Thursday, August 14, 2025 to 6:00 AM Monday, August 18, 2025 for Sun Prairie Sweet Corn Festival.
 - From noon Friday, August 29, 2025 to 6:00 AM Tuesday, September 2, 2025 for Labor Day.

Traffic Management:

- FINAL Traffic Management Plan completed 10-14-2024.
- If a lane of traffic in each direction cannot be maintained, then contact WisDOT work zone coordinator Lee Gibbs 608-206-6428 to provide best traffic management practices.
- Signage should follow Wisconsin Manual on Uniform Traffic Control Devices.
- If closing a lane or shoulder, Provide the following advance notification to the engineer for incorporation into the Wisconsin Lane Closure System (LCS). (https://transportal.cee.wisc.edu/closures/)
- Any highway open to traffic that has an aggregate surface must be repaved with HMA within 72 hours or by the end of the week whichever occurs first.
- Flaggers, if used, must be certified.
- Do not store equipment or materials within 10' of traffic.
- Any drop-off greater than 2" needs to be protected by a 3:1 slope or temporary concrete barrier is required.

Wisconsin Lane Closure System Advance Notification:

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

Closure type with height, weight, or width restrictions (available width, all lanes in one direction < 16')	MINIMUM NOTIFICATION	
Lane and shoulder closures	7 calendar days	
Full roadway closures	7 calendar days	
Detours	7 calendar days	
Closure type without height, weight, or width restrictions (available width, all lanes in one direction ≥16')	MINIMUM NOTIFICATION	
Lane and shoulder closures	3 business days	
Modifying all closure types	3 business days	

• <u>Utilities</u>: Avoid or move utilities that may be in the way of the work in right of way.

Erosion Control:

- Do not store any materials within the State ROW.
- Implement erosion control best management practices (BMPs) prior to and at all times during work operations. Provide and maintain erosion control BMPS to protect all restored areas upon completion of the permitted work until the replacement vegetation achieves sustained growth.
- Any sediment that is deposited from the site onto WisDOT facilities needs to be removed and the area stabilized within 24 hours of the release
- Any sediment or materials tracked onto state right of way needs to be cleaned within that workday.
- The applicant will assure that the ditches/storm sewer (down-stream) are cleaned and positively flow, prior to finalizing the construction.
- Temporary erosion control best management practices need to be removed and the area restored.
- After temporary use is complete, the area will be restored to pre-construction conditions in accordance with applicable parts of WisDOT's Standard Specifications for Highway and Structure Construction, current edition.
- The final restoration work needs review prior to acceptance.

DANE COUNTY

CITY OF

SUN PRAIRIE

CHECKED JZAM PRO JECT NO

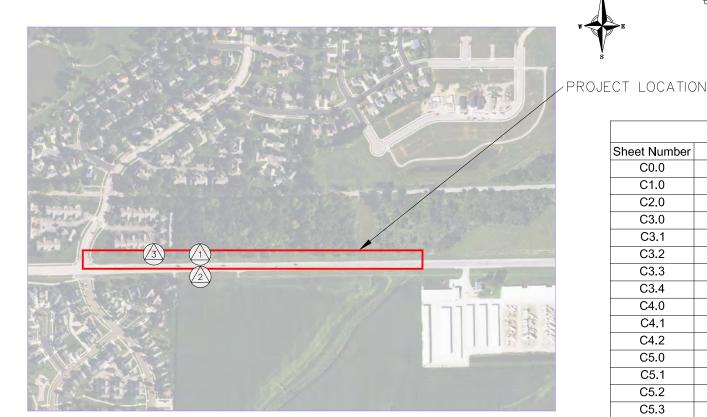
210178

C0.0

SKY RIDGE SENIOR APARTMENTS AND TOWNHOMES

BIKE PATH & PUBLIC UTILITY IMPROVEMENTS

1050 E. MAIN STREET, CITY OF SUN PRAIRIE, WI



CITY OF SUN PRAIRIE - ENGINEERING TOM VEITH 608-825-1170

UTILITIES:

CITY OF SUN PRAIRIE WATER & LIGHT ANDREW HIRVELA - ELECTRIC 608-837-5500 EXT. 227

STAN REBACZ - WATER 608-837-5500

608-825-0731

NICOLE WARWICK 414 944-5645

FRONTIER COMMUNICATIONS JERRY MOORE 608-742-9507

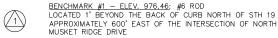
CHARTER COMMUNICATIONS

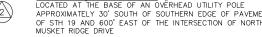
EMERGENCY - FIRE, RESCUE, AMBULANCE, POLICE DIAL 911

THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERRIELD BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

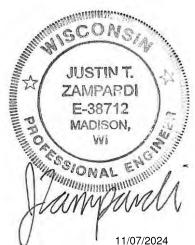
CALL DIGGER'S HOTLINE

SITE BENCHMARKS





BENCHMARK #3 - ELEV. 976.76: TOP NUT OF FIRE HYDRANT LOCATED ON THE NORTH SIDE OF STH 19 APPROXIMATELY 370' EAST OF THE INTERSECTION OF NORTH MUSKET RIDGE



C1.0	Notes & Legends		
C2.0	Typical Sections		
C3.0	Construction Details		
C3.1	Construction Details		
C3.2	Construction Details		
C3.3	Construction Details		
C3.4	Construction Details		
C4.0	Overall Grading and Erosion Control		
C4.1	Overall Grading and Erosion Control		
C4.2	Soil Survey Exhibit		
C5.0	Plan and Profile - Bike Path		
C5.1	Plan and Profile - Bike Path		
C5.2	Plan and Profile - Bike Path		
C5.3	Plan and Profile - Bike Path		
C5.4	Plan and Profile - On Site Water & Sanitary		
C5.5	Plan and Profile - On Site Water & Sanitary		
C6.0	Pavement Marking and Signage Plan		
C7.0	Traffic Control Plan - Stage 1		
C7.1	Traffic Control Plan - Stage 2		
C7.2	Traffic Control Plan - Stage 3		
C8.0	Removal Plan		
C8.1	Removal Plan		
C9.0	Cross Sections		
C9.1	Cross Sections		
C9.2	Cross Sections		
C9.3	Cross Sections		
C9.4	Cross Sections		
C9.5	Cross Sections		
C9.6	Cross Sections		
C9.7	Cross Sections		
C9.8	Cross Sections		
	•		

WISCONSIN

Sheet Title

Title Sheet

Notes & Legends

Sheet List Table

Sheet Number

C0.0

C1.0

BENCHMARK #2 - ELEV. 975.84: #6 ROD LOCATED AT THE BASE OF AN OVERHEAD UTILITY POLE APPROXIMATELY 30' SOUTH OF SOUTHERN EDGE OF PAVEMENT OF STH 19 AND 600' EAST OF THE INTERSECTION OF NORTH

11/07/2024

GENERAL NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED DURING CONSTRUCTION TO PUBLIC PROPERTY, PRIVATE PROPERTY OR UTILITIES.
- THE CONTRACTOR SHALL SUBMIT TWO COPIES OF SHOP DRAWINGS FOR REVIEW BY THE ENGINEER, PRIOR
- EXISTING TOPOGRAPHIC INFORMATION IS BASED ON FIELD OBSERVATIONS AND/OR PLAN OF RECORD DRAWINGS. CONTRACTOR SHALL VERIFY TOPOGRAPHIC INFORMATION PRIOR TO STARTING CONSTRUCTION.
- RIGHT OF WAY (ROW) AND PROPERTY LINES ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING PROPERTY CORNER MONUMENTATION. ANY MONUMENTS DISTURBED BY CONTRACTOR SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.
- NO IMPERVIOUS SURFACES TO BE INSTALLED PRIOR TO CONSTRUCTION OF AREA H BASIN BY THE CITY
- THE CITY OF SUN PRAIRIE STANDARD SPECIFICATION FOR PUBLIC WORKS, 2024 EDITION, INCLUDING DETAILS, SHALL SUPERSEDE SUPPLEMENTARY SPECIFICATIONS AND DETAILS.

EXISTING CONDITIONS NOTES:

- THE PROPERTY LINES SHOWN ON THIS MAP ARE BASED ON FOUND PROPERTY CORNERS AND SURVEYS
- THIS MAP IS REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM DANE COUNTY. ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- ALL DRY UNDERGROUND UTILITIES HAVE BEEN LOCATED PER MARKINGS PLACED ON THE GROUND. VIERBICHER DOES NOT WARRANT THE LOCATIONS MARKED OR MAPPED BY OTHERS.
- SANITARY SEWER UTILITY LOCATIONS ARE BASED ON SURVEYED STRUCTURES.
- 5. STORM SEWER UTILITY LOCATIONS ARE BASED ON SURVEYED STRUCTURES
- WATER MAIN LOCATIONS ARE BASED ON SURVEYED STRUCTURES

DEMOLITION NOTES

- CONTRACTOR SHALL KEEP ALL CITY STREETS FREE AND CLEAR OF CONSTRUCTION RELATED
- 2. COORDINATE EXISTING UTILITY REMOVAL/ABANDONMENT WITH LOCAL AUTHORITIES AND UTILITY COMPANIES
- 3. ALL SAWCUTTING SHALL BE FULL DEPTH TO PROVIDE A CLEAN EDGE TO MATCH NEW CONSTRUCTION. MATCH EXISTING ELEVATIONS AT POINTS OF CONNECTION FOR NEW AND EXISTING PAVEMENT, CURB, SIDEWALKS, ETC. ALL SAWCUT LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE FIELD ADJUSTED TO ACCOMMODATE CONDITIONS, JOINTS, MATERIAL TYPE, ETC. REMOVE MINIMUM AMOUNT NECESSARY FOR INSTALLATION OF PROPOSED IMPROVEMENTS.
- 4. CONTRACTOR SHALL PROVIDE AND SHALL BE RESPONSIBLE FOR ANY NECESSARY TRAFFIC CONTROL SIGNAGE AND SAFETY MEASURES DURING DEMOLITION AND CONSTRUCTION OPERATIONS WITHIN OR NEAR THE PUBLIC
- COORDINATE TREE REMOVAL WITH LANDSCAPE ARCHITECT IF APPLICABLE. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO 12" BELOW PROPOSED SUBGRADE.
- 6. IF APPLICABLE, PROVIDE TREE PROTECTION FENCING PRIOR TO CONSTRUCTION OPERATIONS, MAINTAIN THROUGHOUT CONSTRUCTION.
- 7. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEMOLITION AND UTILITY PLUGGING PERMITS.
- 8. ANY DAMAGE TO THE CITY PAVEMENT, INCLUDING DAMAGE RESULTING FROM CURB REPLACEMENT, WILL REQUIRE RESTORATION IN ACCORDANCE WITH THE CITY ENGINEERING PATCHING CRITERIA.

SITE PLAN NOTES

- CONCRETE FOR RAMPS, DRIVEWAYS, AND SIDEWALK AT DRIVEWAY ENTRANCES, SHALL BE 7" THICK, CONSTRUCTED ON A BASE OF 4" COMPACTED SAND OR CRUSHED STONE.
- 2. ALL DIMENSIONS WITH CURB & GUTTER ARE REFERENCED TO THE FACE OF CURB
- CONTRACTOR SHALL DEEP TILL ANY DISTURBED AREAS AFTER CONSTRUCTION IS COMPLETE AND BEFORE RESTORING
- CONTRACTOR TO OBTAIN ANY NECESSARY DRIVEWAY CONNECTION, RIGHT OF WAY AND EXCAVATION PERMITS
- ANY SIDEWALK AND CURB & GUTTER ABUTTING THE PROPERTY SHALL BE REPLACED IF IT IS DAMAGED DURING CONSTRUCTION OR IF THE CITY ENGINEERING DEPARTMENT DETERMINES THAT IT IS NOT AT A DESIRABLE GRADE, REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
- ALL EXISTING SIGNS AND MAILBOXES TO BE MAINTAINED TEMPORARILY AND REINSTALLED AFTER THE PROJECT IS COMPLETE

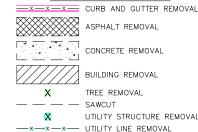
GRADING NOTES

- 1. CONTOURS ARE SHOWN FOR PURPOSES OF INDICATING ROUGH GRADING. FINAL GRADE SHALL BE ESTABLISHED ON PAVED SURFACES BY USING SPOT GRADES ONLY.
- 2. ALL GRADES SHOWN REFERENCE FINISHED ELEVATIONS.
- 3. CROSS SLOPE OF SIDEWALKS SHALL BE 1.5% UNLESS OTHERWISE NOTED.
- 4. LONGITUDINAL GRADE OF SIDEWALK RAMPS SHALL NOT EXCEED 8.33% (1:12) AND SHALL BE
- LONGITUDINAL GRADE OF SIDEWALK SHALL NOT EXCEED 5.0% OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER.
- ACCESSIBLE ROUTES SHALL BE 5.0% MAX LONGITUDINAL SLOPE AND 1.5% MAX CROSS SLOPE. ACCESSIBLE LOADING AREAS OR LANDINGS SHALL BE 2.0% MAX SLOPE IN ANY DIRECTION. RAMPS SHALL BE 8.33% MAX SLOPE.
- 7. NO LAND DISTURBANCE ACTIVITIES SHALL BEGIN UNTIL ALL EROSION CONTROL BMP'S ARE

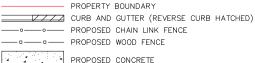
UTILITY NOTES

- 1. CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING AND ABANDONMENT PERMITS PRIOR TO CONSTRUCTION.
- 2. CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO STARTING
- 3. SANITARY & STORM SEWER LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE
- 4. CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES TO FINISHED GRADE (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
- 6. FOR ALL SEWER AND WATER MAIN CROSSINGS: PROVIDE MINIMUM 18" SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
- 7. IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED PRIOR TO STARTING ANY DEWATERING
- 8. A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
- 9. PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATION WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF
- 10. NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
- THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF
- 12. CONTRACTOR TO CHLORINATE AND BACTERIA TEST.
- 13. CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
- 14. SANITARY SEWER MAIN AND LATERALS SHALL BE SDR 26.
- 15. CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.
- 16. ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GRADE ELEVATION TO TOP OF MAIN. PROVIDE 1.5' CLEAR SEPARATION IF
- 17. INSTALL 1 SHEET OF 4'x8'x4" HIGH DENSITY STYROFOAM INSULATION AT ALL LOCATIONS WHERE STORM SEWER CROSSES WATER MAIN OR WATER LATERALS.
- 18. ALL SANITARY SEWER LATERALS SHALL BE CAPPED.
- 19. REMOVE ALL WATER FLUSHING CONNECTIONS AT PLUG/CAP ONCE MAINS ARE FLUSHED.
- 20. ALL NEW SEWERS SHALL HAVE A CLOSED CIRCUIT TELEVISION INSPECTION PERFORMED AFTER THE BINDER COURSE OF ASPHALT IS PLACED AND PRIOR TO ACCEPTANCE OF THESE SEWERS. THE TELEVISION REPORTS SHALL BE SUPPLIED TO THE CITY OF SUN PRAIRIE WASTE WATER TREATMENT PLANT FOR REVIEW. TELEVISION REPORTS MUST BE COMPATIBLE WITH WINCAN AND WITH IT PIPES. ANY DEFECTS AND/OR DEBRIS SHALL BE CORRECTED PRIOR TO THE ACCEPTANCE OF THESE SEWERS.
- 21. PRIOR TO SANITARY SEWER INSTALLATION, A PLUG SHALL BE INSTALLED IN THE DOWNSTREAM MANHOLE INLET PIPE PER SPSS 503.8.2G.
- 22. ALL STORM ENDWALLS LARGER THAN 12 INCHES IN EQUIVALENT DIAMETER MUST BE FURNISHED WITH DEBRIS GRATES AND TIE RODS.

DEMOLITION PLAN LEGEND



SITE PLAN LEGEND

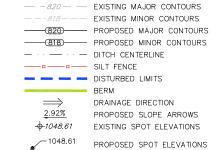


PROPOSED ASPHALT

PROPOSED SIGN $\dot{\alpha}$ PROPOSED LIGHT POLE 0 PROPOSED BOLLARD

PROPOSED ADA DETECTABLE WARNING FIELD PROPOSED HANDICAP PARKING

GRADING LEGEND



VELOCITY CHECK



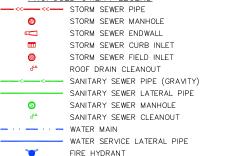
TRACKING PAD

ABBREVIATIONS TOP OF CURB FINISHED FLOOR

STMH — STORM MANHOLE FI — FIELD INLET CI — CURB INLET CB — CATCH BASIN EW — ENDWALL SMH — SANITARY MANHOLE

<u>ABBREVIATIONS</u>

PROPOSED UTILITY LEGEND



PROPOSED PIPE INSULATION

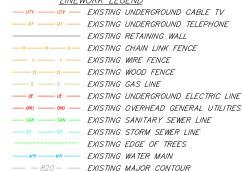
WATER VALVE CURB STOP WATER VALVE MANHOLE

— 6 — GAS MAIN — UE — UE — ELECTRIC SERVICE

SURVEY LEGEND

- D PUBLIC LAND CORNER AS NOTED
- ♠ FOUND NAIL
- ◎ FOUND 1" Ø IRON PIPE ▲ FOUND P.K. NAIL
- FOUND 1 1/4" Ø IRON ROD
- FOUND 3/4" Ø IRON ROD
- **▼** FOUND RAILROAD SPIKE
- SET 3/4" x 18" SOLID IRON RE-ROD, WT. 1.50 lbs./ft. MIN.
- △ SET MAGNAIL
- () RECORDED AS INFORMATION

LINEWORK LEGEND



SYMBOL LEGEND

--- 818 --- EXISTING MINOR CONTOUR

- EXISTING BOLLARD
- FXISTING FLAG POLE
- **EXISTING MAILBOX**
- EXISTING POST
- ** EXISTING SIGN ... EXISTING CURB INLET
- FXISTING ENDWALL
- **EXISTING FIELD INLET RECTANGULAR**
- EXISTING FIELD INLET
- EXISTING STORM MANHOLE
- 6 EXISTING SANITARY CLEANOUT
- (S) EXISTING SANITARY MANHOLE T EXISTING FIRE HYDRANT
- EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING WATER MAIN VALVE
- EXISTING CURB STORT
- EXISTING WATER MANHOLE
- M EXISTING GAS VALVE
- @ EXISTING GAS METER M EXISTING AIR CONDITIONING PEDESTAL
- * EXISTING DOWN GUY
- **E** EXISTING ELECTRIC PEDESTAL
- **▼** EXISTING TRANSFORMER ■ EXISTING ELECTRIC METER
- # EXISTING LIGHT POLE
- ♠ EXISTING GENERIC LIGHT
- ** EXISTING UTILITY POLE
- W EXISTING TV RECTANGULAR MANHOLE
- EXISTING TV PEDESTAL EXISTING TELEPHONE PEDESTAL
- M EXISTING UNIDENTIFIED MANHOLE
- W EXISTING UNIDENTIFIED UTILITY VAULT & EXISTING HANDICAP PARKING
- EXISTING SHRUB
- O EXISTING CONIFEROUS TREE EXISTING DECIDUOUS TREE

HATCHING LEGEND

EXISTING CONCRETE PAVEMENT/SIDEWALK

EXISTING ASPHALT

EXISTING WASHED STONE OR SAND OR RUBBER MAT

EXISTING WARNING PAD

210178 C1.0

11/5/2024

DRAFTER

7DRF

CHECKED

JZAM

PRO JECT NO

mpr Utility Legends oblic oblic ď Path & F) E Main Prairie ∞

es

₽

Bike F 1050

ധ

 \circ

O

VIECOICHEC

Typical Sections
Bike Path & Public Utility Improvements
1050 E Main St
Sun Prairie, Dane County, WI

11/5/2024 DRAFTER

210178

C2.0

EROSION CONTROL MEASURES

- EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE CITY OF SUN PRAIRIE EROSION CONTROL ORDINANCE AND CHAPTER NR 216 OF THE WISCONSIN ADMINISTRATIVE CODE
- CONSTRUCT AND MAINTAIN ALL FROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARDS (http://dnr.wi.gov/runoff/stormwater/techstds.htm) AND WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.
- INSTALL SEDIMENT CONTROL PRACTICES (TRACKING PAD, PERIMETER SILT FENCE, SEDIMENT BASINS, ETC.) PRIOR TO INITIATING OTHER LAND DISTURBING CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE DNR AND/OR CITY. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
- EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
- A 3" CLEAR STONE TRACKING PAD SHALL BE INSTALLED AT THE END OF CONSTRUCTION LIMITS TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE ADJACENT PAVED PUBLIC ROADWAY. SEDIMENT TRACKING PAD SHALL CONFORM TO WISDNR TECHNICAL STANDARD 1057.
 SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH
- CHANNELIZED RUNOFF: FROM ADJACENT AREAS PASSING THROUGH THE SITE SHALL BE DIVERTED AROUND DISTURBED AREAS.
- STABILIZED DISTURBED GROUND: ANY SOIL OR DIRT PILES WHICH WILL REMAIN IN EXISTENCE FOR MORE THAN 7-CONSECUTIVE DAYS, WHETHER TO BE WORKED DURING THAT PERIOD OR NOT, SHALL NOT BE LOCATED WITHIN 25-FEET OF ANY ROADWAY, PARKING LOT, PAVED AREA, OR DRAINAGE STRUCTURE OR CHANNEL (UNLESS INTENDED TO BE USED AS PART OF THE EROSION CONTROL MEASURES). TEMPORARY STABILIZATION AND CONTROL MEASURES (SEEDING, MULCHING, TARPING, EROSION MATTING, BARRIER FENCING, ETC.) ARE REQUIRED FOR THE PROTECTION OF DISTURBED AREAS AND SOIL PILES, WHICH WILL REMAIN UN-WORKED FOR A PERIOD OF MORE THAN 7-CONSECUTIVE CALENDAR DAYS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SITE HAS STABILIZED
- SITE DE-WATERING: WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS OR OTHER APPROPRIATE CONTROL MEASURES. SEDIMENTATION BASINS SHALL HAVE A DEPTH OF AT LEAST 3 FEET DE CURROLINGES DY CHARTEST CONTROL MEASURES. SEDIMENTATION BASINS SHALL HAVE A DEPTH OF AT LEAST 3 FEET, BE SURROUNDED BY SNOWFENCE OR EQUIVALENT BARRIER AND HAVE SUFFICIENT SURFACE AREA TO PROVIDE A SURFACE SETTLING RATE OF NO MORE THAN 750 GALLONS PER SQUARE FOOT PER DAY AT THE HIGHEST DEWATERING PUMPING RATE. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, A NEIGHBORING SITE, OR THE BED OR BANKS OF THE RECEIVING WATER. POLYMERS MAY BE USED AS DIRECTED BY DNR TECHNICAL STANDARD 1061 (DE-WATERING).
- 10. WASHED STONE WEEPERS OR TEMPORARY FARTH BERMS SHALL BE BUILT PER PLAN BY CONTRACTOR TO TRAP SEDIMENT OR SLOW THE
- 11. SEE DETAIL SHEETS FOR RIP-RAP SIZING. IN NO CASE WILL RIP-RAP BE SMALLER THAN 3" TO 6".
- 12. INLET FILTERS ARE TO BE PLACED IN STORMWATER INLET STRUCTURES AS SOON AS THEY ARE INSTALLED. ALL PROJECT AREA STORM INLETS NEED WISCONSIN D.O.T. TYPE D INLET PROTECTION. THE FILTERS SHALL BE MAINTAINED UNTIL THE CITY HAS ACCEPTED THE BINDER COURSE
- 13. RESTORATION (SEED, FERTILIZE AND MULCH) SHALL BE PER SPECIFICATIONS ON THIS SHEET (NOTE: ADD SEEDING RATE STANDARD OF DETAIL BLOCK TO PLAN) UNLESS SPECIAL RESTORATION IS CALLED FOR ON THE LANDSCAPE PLAN OR THE DETENTION BASIN DETAIL SHEET.
- 14. TERRACES SHALL BE RESTORED WITH 6" TOPSOIL, PERMANENT SEED, FERTILIZER AND MULCH. LOTS SHALL BE RESTORED WITH 6" TOPSOIL, TEMPORARY SEED, FERTILIZER AND MULCH.
- 15. SEED, FERTILIZER AND MULCH SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS WILL NOT BE RESTORED IMMEDIATELY AFTER ROUGH GRADING, TEMPORARY SEED SHALL BE PLACED.
- 16. FOR THE FIRST SIX WEEKS AFTER RESTORATION (E.G. SEED & MULCH, EROSION MAT, SOD) OF A DISTURBED AREA, INCLUDE SUMMER WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
- 17. EROSION MAT (CLASS I, TYPE B URBAN PER WISCONSIN D.O.T. P.A.L.) SHALL BE INSTALLED ON THE BOTTOM (INVERT) OF ROADSIDE DITCHES/SWALES AS SHOWN ON THIS PLAN, 1 ROLL WIDTH
- 18. SOIL STABILIZERS SHALL BE APPLIED TO DISTURBED AREAS WITH SLOPES BETWEEN 10% AND 3:1 (DO NOT USE IN CHANNELS). SOIL STABILIZERS SHALL BE TYPE B, PER WISCONSIN D.O.T. P.A.L. (PRODUCT ACCEPTABILITY LIST), OR EQUAL. APPLY AT RATES AND METHODS SPECIFIED PER MANUFACTURER. SOIL STABILIZERS SHALL BE RE-APPLIED WHENEVER VEHICLES OR OTHER EQUIPMENT TRACK ON THE AREA
- 19. SILT FENCE OR EROSION MAT SHALL BE INSTALLED ALONG THE CONTOURS AT 100 FOOT INTERVALS DOWN THE SLOPE ON THE DISTURBED SLOPES STEEPER THAN 5% AND MORE THAN 100 FEET LONG THAT SHEET FLOW TO THE ROADWAY UNLESS SOIL STABILIZERS ARE USED.
- 20. SILT FENCE TO BE USED ACROSS AREAS OF THE LOT THAT SLOPE TOWARDS A PUBLIC STREET OR WATERWAY. SEE DETAILS.
- 21. SEDIMENT SHALL BE CLEANED FROM CURB AND GUTTER AFTER EACH RAINFALL AND PRIOR TO PROJECT ACCEPTANCE
- 22. ACCUMULATED CONSTRUCTION SEDIMENT SHALL BE REMOVED FROM ALL PERMANENT BASINS TO THE ELEVATION SHOWN ON THE GRADING PLAN FOLLOWING THE STABILIZATION OF DRAINAGE AREAS.
- 23. ALL CONSTRUCTION ENTRANCES SHALL HAVE TEMPORARY ROAD CLOSED SIGNS THAT WILL BE IN PLACE WHEN THE ENTRANCE IS NOT IN USE AND AT THE END OF EACH DAY.
- 24. ANY PROPOSED CHANGES TO THE EROSION CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY DANE COUNTY LAND CONSERVATION OR
- 25. THE CITY, OWNER AND/OR ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME DURING CONSTRUCTION.

SEEDING RATES:

- USE ANNUAL OATS AT 3.0 LB./1,000 S.F. FOR SPRING AND SUMMER PLANTINGS.
- 2. USE WINTER WHEAT OR RYE AT 3.0 LB./1,000 SF FOR FALL PLANTINGS STARTED

AFTER SEPTEMBER 15.

PERMANENT:

1. USE WISCONSIN D.O.T. SEED MIX #40 AT 2 LB./1,000 S.F.

FERTILIZING RATES:

TEMPORARY AND PERMANENT;

USE WISCONSIN D.O.T. TYPE A OR B AT 7 LB./1,000 S.F.

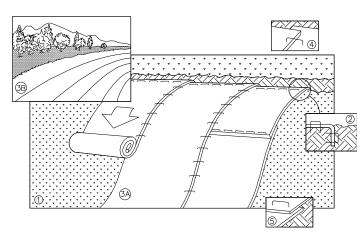
MULCHING RATES:

TEMPORARY AND PERMANENT:

USE ½" TO 1-½" STRAW OR HAY MULCH, CRIMPED PER SECTION 607.3.2.3, OR OTHER RATE AND METHOD PER SECTION 627, WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION

CONSTRUCTION SEQUENCE:

- 1. INSTALL SILT FENCE AND TRACKING PAD
- 2. STRIP TOPSOII
- 3. ROUGH GRADE TERRACE PATH, AND SWALE
- 4. CONSTRUCT UNDERGROUND UTILITIES
- 5. INSTALL INLET PROTECTION
- 6. CONSTRUCT PAVEMENT (STONE BASE, CURB & GUTTER, AND SIDEWALK).
- 7. RESTORE TERRACES
- 8. REMOVE TRACKING PAD, SILT FENCE AND INLET PROTECTION AFTER DISTURBED AREAS ARE RESTORED



NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

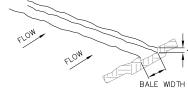
- 1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED. NOTE: WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP BY 6" WIDE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. ROLL THE BLANKETS <A.> DOWN, OR <B.> HORIZONTALLY ACROSS THE SLOPE. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY
- 5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE
- THROUGH OVERLAPPED ARÉA, APPROXIMATELY 12" APART. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE

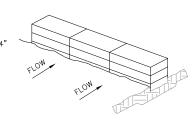




1. EXCAVATE THE TRENCH

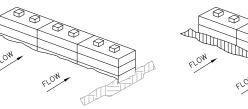
PLACE BALES IN TRENCH WITH BINDINGS AROUND SIDES AWAY FROM THE GROUND LEAVE NO GAPS BETWEEN BALES. WEDGE LOOSE STRAW BETWEEN BALES.



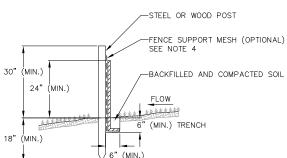


ANCHOR BALES USING TWO STEEL REBARS, OR 2" x 2" WOOD STAKES PER BALE. DRIVE STAKES INTO THE GROUND AT LEAST 8".

4 BACKELL AND COMPACT THE EXCAVATED SOIL



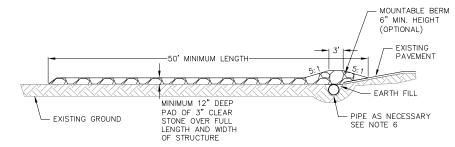


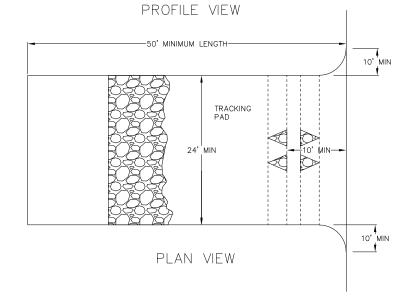


NOTES:

- 1. INSTALL SILT FENCE TO FOLLOW THE GROUND CONTOURS AS CLOSELY AS POSSIBLE.
- 2. CURVE THE SILT FENCE UP THE SLOPE TO PREVENT WATER FROM RUNNING AROUND THE
- 3. POST SPACING WITH FENCE SUPPORT MESH = 10 FT. (MAX.)
- POST SPACING WITHOUT FENCE SUPPORT MESH = 6 FT. (MAX.)
- 4. SILT FENCE SUPPORT MESH CONSISTS OF 14-GAUGE STEEL WIRE WITH A MESH SPACING OF 6 IN X 6 IN OR PREFABRICATED POLYMERIC MESH OF EQUIVALENT STRENGTH







- 1. FOLLOW WISCONSIN DNR TECHNICAL STANDARD 1057 FOR FURTHER DETAILS AND INSTALLATION.
- 2. LENGTH MINIMUM OF 50'
- 3. WDTH 24' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- 4. ON SITES WITH A HIGH GROUND WATER TABLE OR WHERE SATURATED CONDITIONS EXIST, GEOTEXTILE FABRIC SHALL BE PLACED OVER EXISTING GROUND PRIOR TO PLACING STONE, FABRIC SHALL BE
- 5. STONE CRUSHED 3" CLEAR STONE SHALL BE PLACED AT LEAST 12" DEEP OVER THE ENTIRE LENGTH AND WIDTH OF ENTRANCE.
- SURFACE WATER ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARDS 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 MINIMIUM OF 6" STONE OVER THE PIPE. PIPE SHALL BE SIZED ACCORDING TO THE DRAINAGE REQUIREMENTS. WHEN THE ENTRANCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE SHALL NOT BE NECESSARY. THE MINIMUM PIPE DIAMETER SHALL BE 6". CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF SAID PIPE.
- 7. LOCATION A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED WHERE CONSTRUCTION TRAFFIC ENTERS AND/OR LEAVES THE CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE TRACKING PAD.





Φ

 \circ O Φ

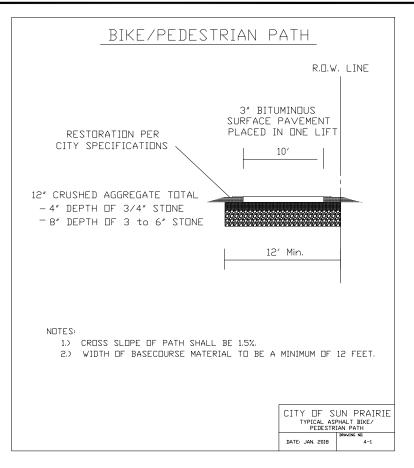
Utility Impr Details Public onstruction જ :≓ Path E Mc Bike F 1050 11/5/2024 DRAFTER ZDRE CHECKED JZAM

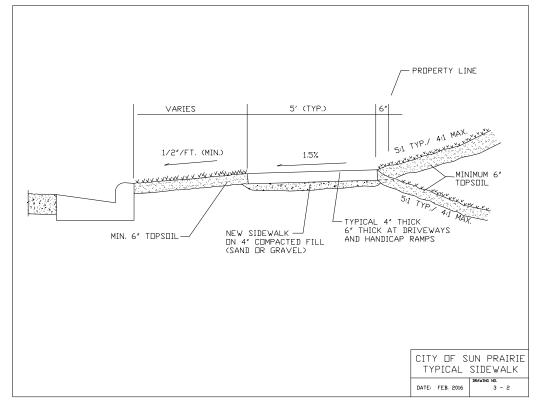
PRO JECT NO

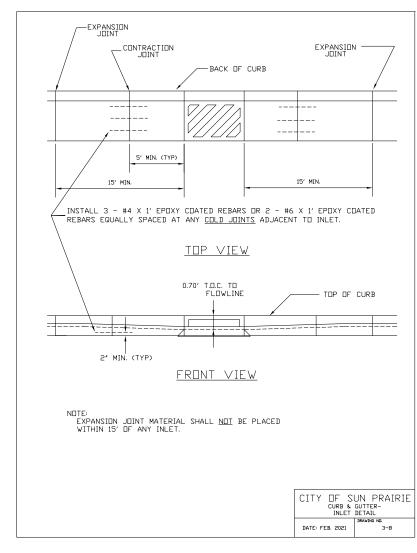
C3.0

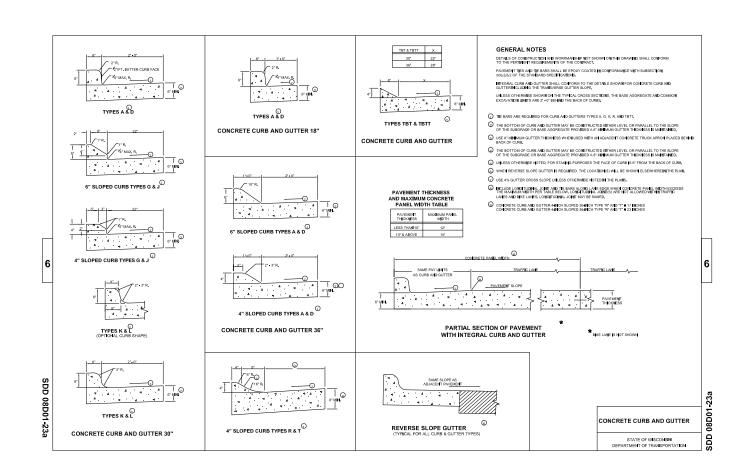
210178

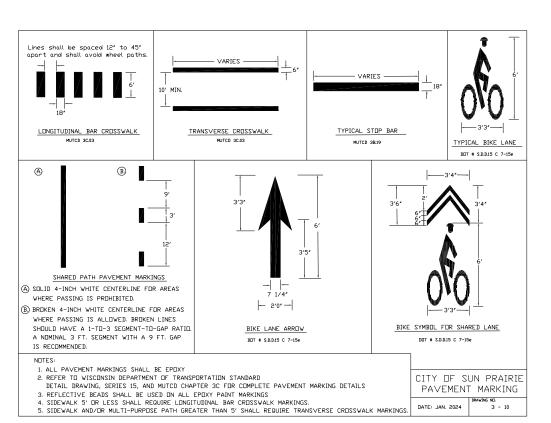
/ements













VIERDICK OF CONTRACT OF CONTRA

Path & Public Utility Improvements) E Main St Prairie, Dane County WI

Bike F 1050 | Sun P

onstruction Details

 \circ

THE CONTRACTOR SHALL BOLT THE PIPE GATE TO THE CONCRETE ENDWALL WITH FOUR $3/8^{\prime}$ %6' MACHINE BOLTS WITH NUTS ON INSIDE WALL.

PIPE GATES ARE REQUIRED ON ENDWALLS GREATER THAN OR EQUAL TO 12 INCHES.

PAINTING SPECIFICATIONS

THE PIPE GATE SHALL RECEIVE THE FOLLOWING PREPARATION & PAINTING. SEE NOTES: FIRST CDAT-RUST-OLEUM X-60 RED BARE METAL PRIMER OR EQUAL. SECOND COAT-RUST-OLEUM 960 ZINC CHROMATE PRIMER OR EQUAL. THIRD COAT-RUST-OLEUM 1282 HIGH GLOSS & METALIC FINISH OR EQUAL.

NOTES: 1. BARE SURFACES - AFTER THROUGH SCRAPING, WIRE BRUSHING & CLEANING APPLY THE THREE COAT SYSTEM LISTED.
2. EACH COAT AN OVERALL COAT.
3. ALLOW 24-48 HOURS DRYING TIME BETWEEN COATS.

FILTER FABRIC -

CITY OF SUN PRAIRIE SUN PRAIRIE STANDARD PIPE GATE FOR REINFORCED CONCRETE APRON ENDWALL

1

TRIRINGEROOM

SECTION B-B

1'Ø STD. PIPE FRAME 1'Ø STD. PIPE e 8° n.c. 3/4"Ø ROD @ 12" D.C. MAX - WELD @ EACH PIPE 4"x4"x3/16" ANGLES (4 REQ'D)
WELD TO FRAME
PROVIDE 7/16" HOLE
IN EACH ANGLE 1"# STD. STEEL PIPE CONNECTIONS WHEN PIPE IS 36" OR LARGER NO SCALE

— BACKFILI REFER T SECTION 503.6

COVER: REFER T SECTION 503.5.2

-MIN. 6' DF GRADATION NO. 1 DR 2 BEDDING MATERIAL STANDARD PRECAST MANHOLE DETAIL IN STREET LOCATIONS

> CITY OF SUN PRAIRIE SANITARY MANHULES IN STREET LUCATIONS

DATE: APRIL 2019

ADJUSTING RINGS SHALL BE MADE FROM EXPANDED POLYPROPYLENE (EPP) AS MANUFACTURED BY CRETEX (PRO-RING) OR APPROVED EQUAL AND MEET THE REQUIREMENTS OF ASTM D-3575 AND ASTM D-4819-13. THE ADJUSTING RINGS SHALL BE SEALED USING M-1 STRUCTURAL ADHESIVE/SEALANT, OR APPROVED EQUAL, MEETING REQUIREMENTS OF ASTM C-920. SEE SPECIFICATION 502.5

-ALL JOINTS SHALL BE MADE
WATERTIGHT USING ALL WEATHER
BUTYL GASKET E-Z STIK DR
APPROVED EQUAL ON INSIDE
AND GUTSIDE RING OF
CONE AND BARREL SECTION JOINTS.

NOTE: PRECAST REINFORCED
CONCRETE MANHOLE SECTIONS
MANUFACTURED TO MEET
ASTM SPECIFICATION C-478

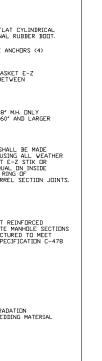
9" CASTING AS SPECIFIED

STEPS 16' D.C. PRECAST M.H.'S DNLY. (STEPS SHALL BE ABOVE THE BENCH.

DIAMETER AS SPECIFIED 48' MINIMUM

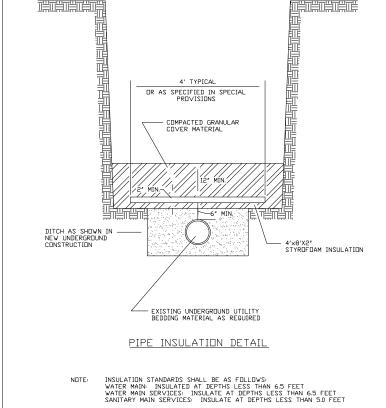
NOTE: THE ENGINEER MAY ALSO APPROVE THE USE OF STREET LOCATION INSTALLATIONS IN OTHER LOCATIONS

TOP OF CONE TO BE A MINIMUM OF 6' ABOVE FINISHED GROUND.



CITY OF SUN PRAIRIE SANITARY MANHOLES IN REMOTE LOCATIONS

DRAVING NO. 5 - 8 DATE: JAN. 1999



─6' CLEAR STONE BEDDING

CLASS II CLASS III CLASS IV d50=9" d50=12" d50=6" 18" DEPTH DEPTH DEPTH (IN.) (FT.) (CU.YDS.) (CU.YDS.) (CU.YDS.)
 22
 10
 3.9
 5.9
 7.8

 28
 12
 5.5
 8.2
 10.9

 36
 14
 7.2
 10.8
 14.3

 43
 16
 9.2
 13.7
 18.3

 51
 18
 10.9
 16.3
 21.7

 58
 20
 12.7
 19.0
 25.4

RIP RAP AT OUTLETS

CITY OF SUN PRAIRIE
RIP-RAP & FABRIC DETAIL
FOR ENDVALLS
TRAVERS NO. DATE: JAN. 2018

DIA OR <u>PLAN</u> PRAP 1'-0" **①** ARABABBBBBBBBB SECTION A-A NOTES: PIPE SIZES LARGER THAN THOSE SHOWN REQUIRE A SPECIAL GEOTEXTILE FILTER FABRIC SHALL BE TYPE "HR" UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 401.4.1. 1 FOR PIPES GREATER THAN OR EQUAL TO 30" USE 1.5".

-UPPER PORTION OF CONE MUST HAVE A FLAT CYLINDRICAL SURFACE (MINIMUM 4*) TO SECURE INTERNAL RUBBER BOOT RAWL CAULK CONCRETE ANCHORS (4) AND THREADED RODS. -DFFSET CONE 48° M.H. DNLY FLAT SLAB DN 60° AND LARGER M.H.'S. STEPS 16' D.C.
PRECAST M.H.'S
DNLY. (STEPS SHALL
BE ABOVE THE BENCH. - ALL JOINTS SHALL BE MADE
WATERTIGHT USING ALL WEATHER
BUTYL GASKET E-Z STIK DR
APPROVED EQUAL ON INSIDE
AND OUTSIDE RING OF
CONE AND BARREL SECTION JOINTS. DIAMETER AS SPECIFIED 48" MINIMUM NOTE: PRECAST REINFORCED
CONCRETE MANHOLE SECTIONS
MANUFACTURED TO MEET
ASTM SPECIFICATION C-478 -MIN. 6° DF GRADATION NO. 1 DR 2 BEDDING MATERIAL "U" SHAPED CHANNEL TO TOP OF PIPE. STANDARD PRECAST MANHOLE DETAIL IN REMOTE LOCATIONS NOTE: THE ENGINEER MAY ALSO APPROVE THE USE OF REMOTE LOCATION INSTALLATIONS IN OTHER LOCATIONS

NEENAH R-1916-C CASTING AND COVER

DRAWING INFORMATION PROVIDED BY CITY OF SUN PRAIRIE, WI ENGINEERING DEPT.

DEPTH RIPRAP

ROUND PIPE

TABLE OF QUANTITIES RIPRAP AT RCP OUTLETS

(IN.) (FT.) (CU.YDS.) (CU.YDS.) (CU.YDS.) 12 8 2.8 4.1 5.5 15 8 2.9 4.4 5.8

18 10 3.9 5.9 7.8 21 10 4.2 6.3 8.4

24 12 5.5 8.3 11.0 27 12 5.8 8.7 11.6 30 14 7.3 10.9 14.5 36 16 9.2 13.8 18.3 42 18 10.9 16.3 21.7 48 20 12.9 19.4 25.8

TABLE OF QUANTITIES RIPRAP AT RCP-A OUTLETS OR BOXES OF EQUIVALENT SPAN WIDTH

CLASS II CLASS III CLASS IV d50=6" d50=9" d50=12"

18"

DEPTH RIPRAP

RIPRAP

CITY OF SUN PRAIRIE

TYPICAL INLET DETAIL

DATE: JAN. 2018 | DRAVING NO. | 5 - 10

CITY OF SUN PRAIRIE

PIPE INSULATION DETAIL

DATE: FEB. 2011

DRAVING NO.

5-5

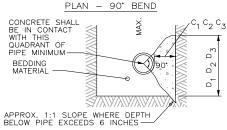
210178

11/5/2024

DRAFTER ZDRE

CHECKED JZAM

PRO JECT NO



SECTION A-A

NOTES:

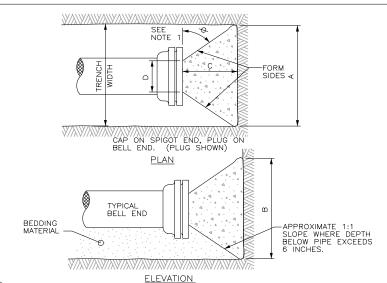
- NOTES:

 1. DIMENSIONS IN TABLE ARE BASED ON A
 WATER PRESSURE OF 150 P.S.I. AND AN
 EARTH RESISTANCE OF 2 TONS PER SQ. FT.
 INFORM THE ENGINEER IF PRESSURES EXCEED
 150 PSI, OR ON—SITE SOIL DOES NOT MEET
 THIS CONDITION.
- 2.DIMENSION C₁ C₂ C₃ SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
- 3.DIMENSION A1 A2 A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERRING WITH THE MECHANICAL JOINT.
- HBUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
- 5.ALL BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
- 6.CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.

PLAN - 45° BEND BUTTRESS DIMENSIONS PIPE 22 1/2 * BENDS 45* BENDS 90* BENDS SIZE B1 D1 B2 D2 B3 D3 6" 1'-0" 1'-0" 1'-0" 1'-0" 1'-4" 1'-2' 8" |1'-0"|1'-0"|1'-4"|1'-2"|1'-10"|1'-6" 10" 1'-2" 1'-2" 1'-7" 1'-7" 2'-3" 1'-10" 12" 1'-4" 1'-4" 1'-10" 1'-10" 2'-8" 2'-3" 16" 1'-10" 1'-8" 2'-6" 2'-4" 3'-10" 2'-10" 20" 2'-4" 2'-0" 3'-3" 2'-10"5'-0" 3'-4" 24" 2'-10" 2'-4" 4'-0" 3'-3" 6'-4" 3'-10"

PLAN - 22 1/2 BEND

BUTRESS FOR BENDS DETAIL SCALE: NONE



NOTES:

- 1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE & EQUAL TO OR LARGER THAN 45'.
- 2.DIMENSION 'D' EQUALS APPROX. I.D. OF PIPE LESS 2 INCHES. THE CONCRETE SHOULD NOT INTERFERE WITH THE MECHANICAL JOINTS.
- INTERFERE WITH THE MECHANICAL JOINTS.

 3. WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, STRAPPING SHALL BE PERMITTED.

 4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET TH CONDITION OR PRESSURES EXCEED 150 PSI.
- 5.BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.

SCALE: NONE

- 6.CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI. 7.ALL BUTTTRESSED FITTINGS SHALL BE
- WRAPPED IN POLYETHLENE.

BUTTRESS DIMENSIONS				
DIA.	Α	В	С	D
6"	1'-6"	1'-2"	-	2
8"	2'-0"	1'-4"	_ ن _	_ š_
12"	2'-5"	1'-10"		_
16"	3'-4"	2'-4"	Loj	
20"	4'-3"	2'-10"		_
24"	5'-2"	3'-4"	SE	SEE –
30"	6'-9"	4'-0"		
	6" 8" 12" 16" 20"	6" 1'-6" 8" 2'-0" 12" 2'-5" 16" 3'-4" 20" 4'-3" 24" 5'-2"	6" 1'-6" 1'-2" 8" 2'-0" 1'-4" 12" 2'-5" 1'-10" 16" 3'-4" 2'-4" 20" 4'-3" 2'-10" 24" 5'-2" 3'-4"	6" 1'-6" 1'-2"

CITY OF SUN PRAIRIE BUTTRESS FOR BENDS AND PLUGS BUTRESS FOR PLUGS DETAIL

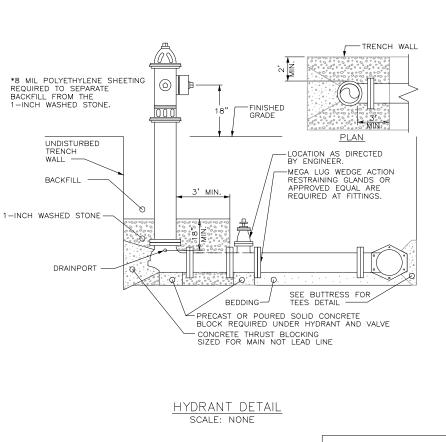
DATE: FEB. 2011

6-1

B.D 1'-0" 1'-3" 1'-6" 1'-4" 10" 1'-10" 1'-8" Š. 9 12" 2'-3" 2'-0" BRANCH 16" 3'-2" 2'-6" 20" 4'-0" 3'-0" 24" 5'-3" 3'-4" B.D. = BRANCH DIAMETER (SEE NOTE 2)-<u>PLAN</u> BRANCH APPROXIMATE 1:1 SLOPE WHERE DEPTH BELOW PIPE EXCEEDS 6 INCHES MATERIAL SECTION A-A

- 1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE $\mathscr O$ GREATER THAN OR EQUAL TO 45'.
- 2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
- 3. DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.
- 4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON—SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
- 5. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
- 6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
- 7. ALL BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.

BUTRESS FOR TEES DETAIL SCALE: NONE



CITY OF SUN PRAIRIE BUTTRESS FOR TEES/HYDRANT DETAIL DATE: FEB. 2023

6-2

BACKPLASTER & MASTIC RINGS TOGETHER JOINTS SHALL BE SEALED WITH MASTIC STEPS AT 16" O.C. CUT-OUT FOR -STORM SEWER BENCH SLOPE STORM MANHOLE 1" PER FOOT INVERT ELEVATION 6" TYPICAL 6" GRAVEL FILL REQUIRED (WASHED STONE W/WET SUBGRADE

CASTING SHALL BE 1/2" BELOW FINISHED PAVEMENT OR AS ESTABLISHED BY THE ENGINEER

ADJUSTING RINGS

MANHOLE CASTING SHALL BE HEAVY DUTY, NEENAH FOUNDRY CO. CATALOG LISTING NO. R-1550. WITH TYPE "B" NON-ROCKING LID, GASKET SEAL AND CONCEALED PICKHOLES

ADJUST FRAME TO GRADE WITH AT LEAST TWO PRECAST CONCRETE RINGS OF DIFFERENT THICKNESSES.

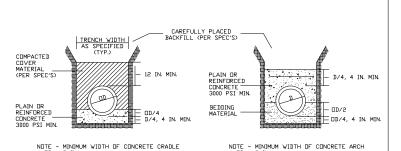
CONCRETE SHALL BE 4000 PSI, 28 DAY COMPRESSIVE STRENGTH, 6.5 BAG MIX WITH $1{\sim}2\%$ AIR ENTRAINMENT.

MANHOLE STEPS SHALL CONFORM TO ASTM-C478 & SHALL BE NEENAH FOUNDRY CO. R-1981-N OR APPROVED EQUAL. STEPS SHALL BE SPACED 16" ON CENTER.

A MINIMUM OF 3" TO A MAXIMUM OF 9" OF ADJUSTING RINGS SHALL BE USED TO ADJUST THE MANHOLE CASTING TO THE FINISHED GRADE. ALL RINGS SHALL BE SEALED TOGETHER USING MASTIC AND ALL JOINTS SHALL BE BACK PLASTERED INSIDE AND OUT WITH CEMENT MORTAR.

2x3 OPENING IS REQUIRED FOR STORM INLET MANHOLES WITH CASTING AND RINGS AS SPECIFIED IN DETAIL 02721-A.

48" STORM SEWER MANHOLE NOT TO SCALE

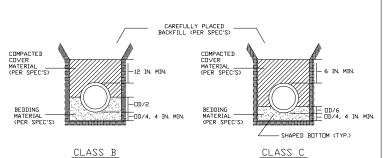


NOTE - MINIMUM WIDTH OF CONCRETE CRADLE = $\Box D$ + 8 IN.

NOTE – MINIMUM WIDTH OF CONCRETE ARCH = $\Box D$ + 8 IN.

CLASS A CONCRETE CRADLE

CLASS A-1 CONCRETE ARCH



NOTES: ALL PVC AND ABS SEWER MAINS AND LATERALS SHALL BE CLASS "B" MIN., OR AS CALLED FOR IN THE SPECIAL PROVISIONS.

ALL BEDDING AND COVER MATERIALS SHALL BE AS SPECIFIED AND SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. UNDERCUT SHALL BE IN ACCORDANCE WITH SECTION 3 OF THE STORM AND SANITARY SEWER STANDARD SPECIFICATIONS.

> CITY OF SUN PRAIRIE STORM AND SANITARY SEWER BEDDING STANDARDS DRAVING NO. DATE: SEPT. 1996 5 - 1

11/5/2024

Public Utility Improvements St

Path & P DE Main S Prairie

Bike F 1050 |

Details

onstruction

W F

Ž Š

 \circ

erbi

DRAFTER ZDRE CHECKED JZAM PRO JECT NO 210178

C3.3

VIERDICHER

S provements

Construction Details

Bike Path & Public Utility Improvements
1050 E Main St
Sun Prairie, Dane County, WI

REMARKS NO. DATE REMARKS

B
1

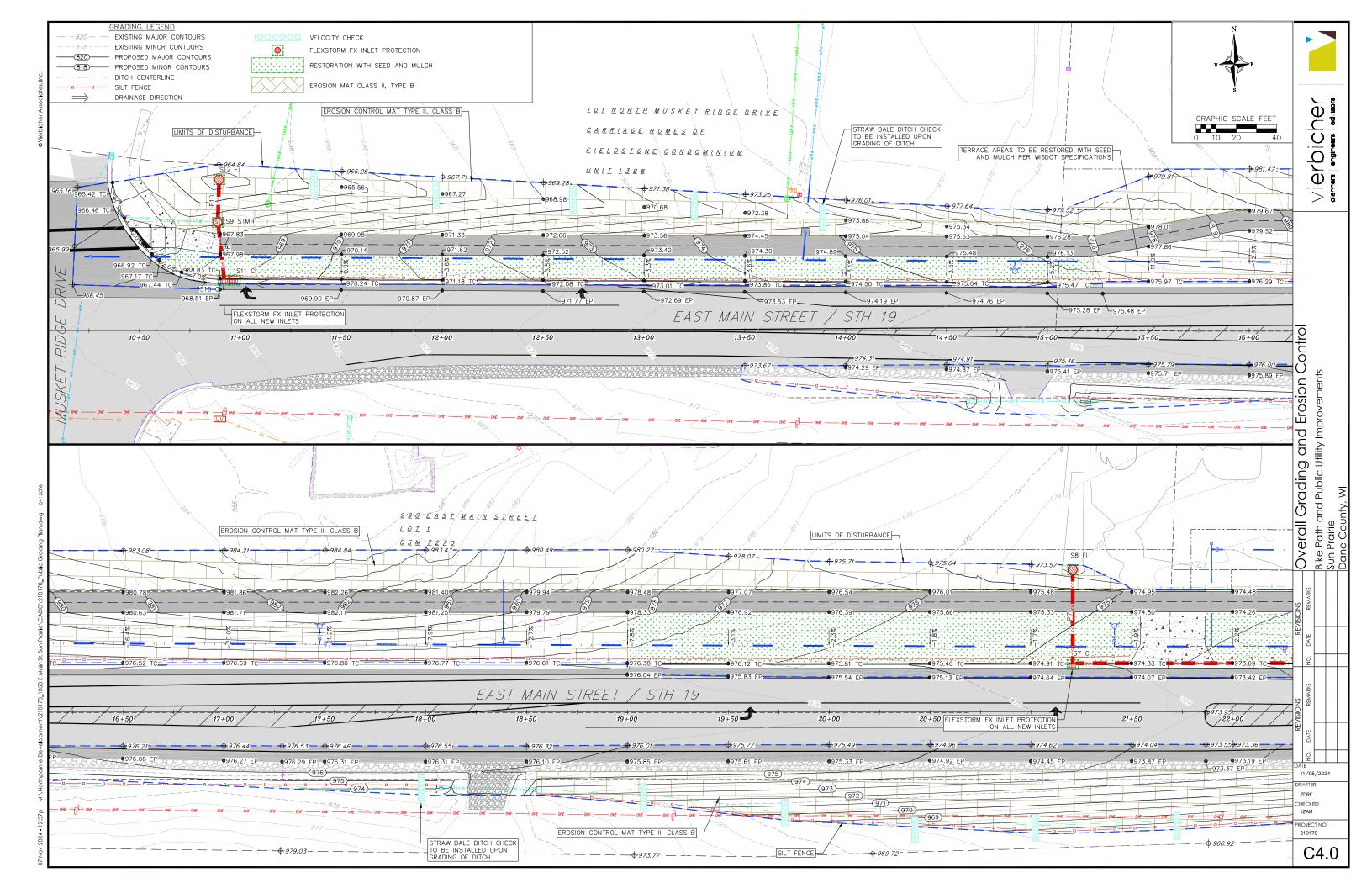
OATE 11/5/2024 DRAFTER

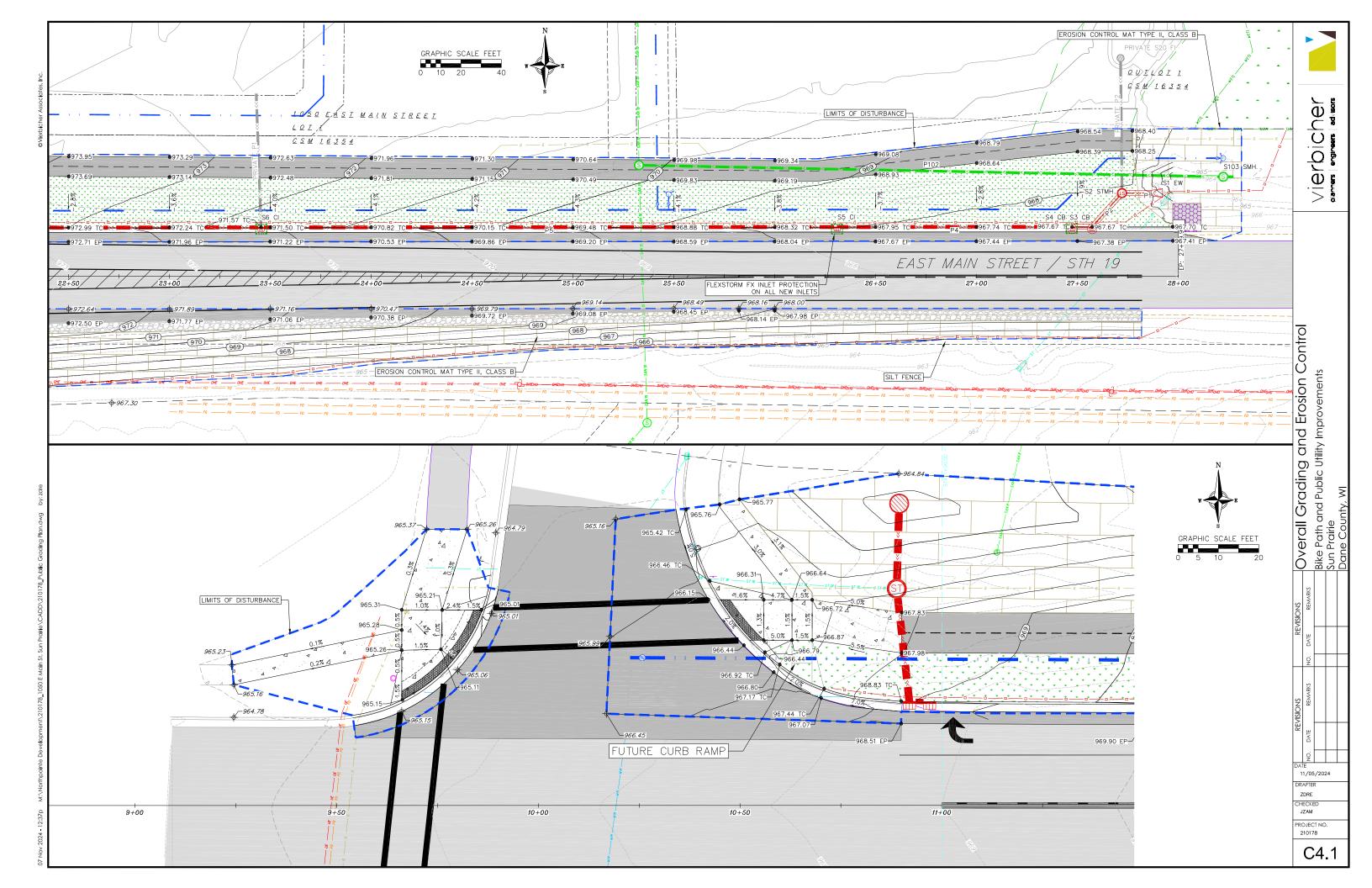
DRAFTER
ZDRE

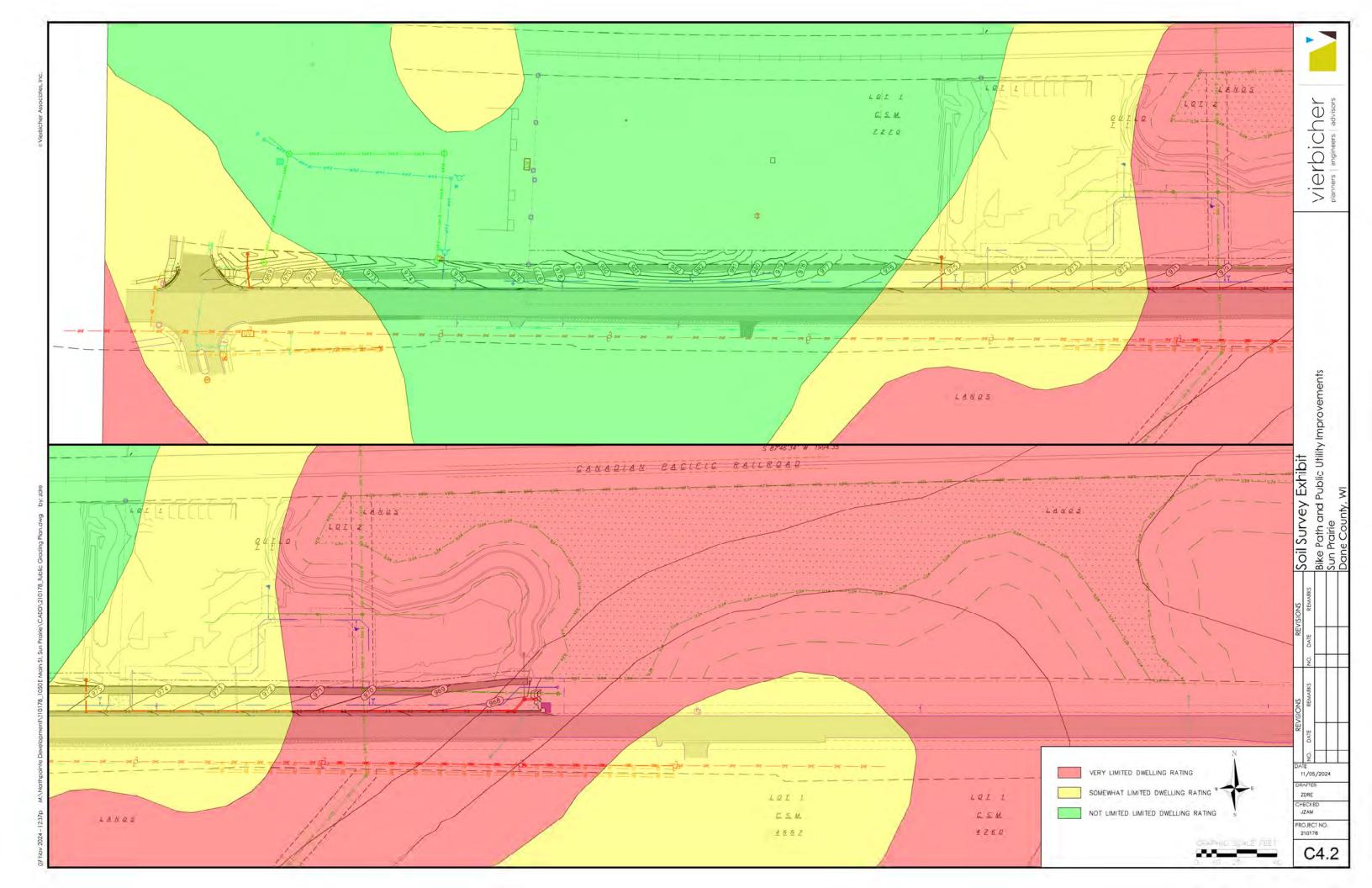
CHECKED JZAM PROJECT NO

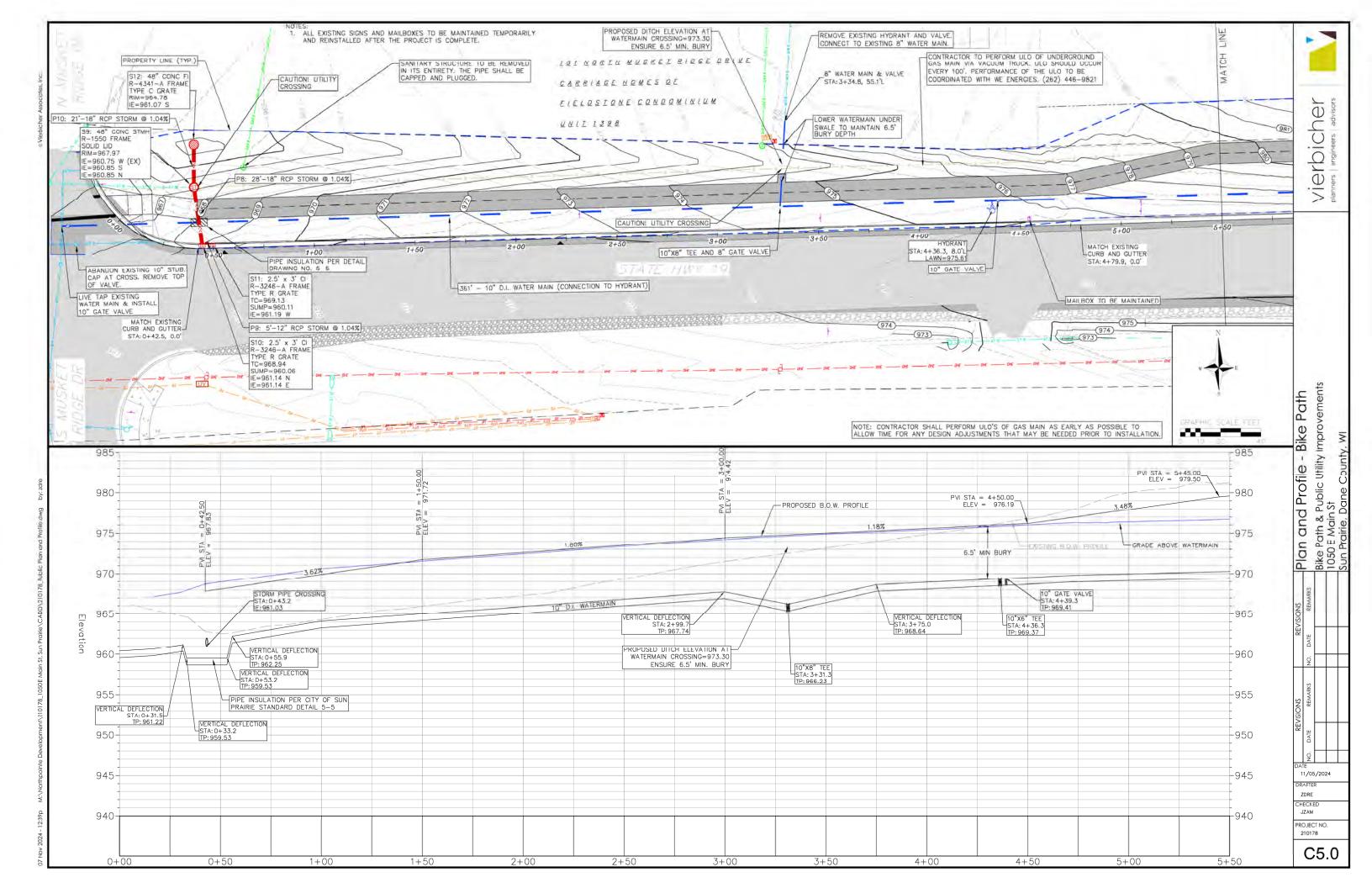
210178

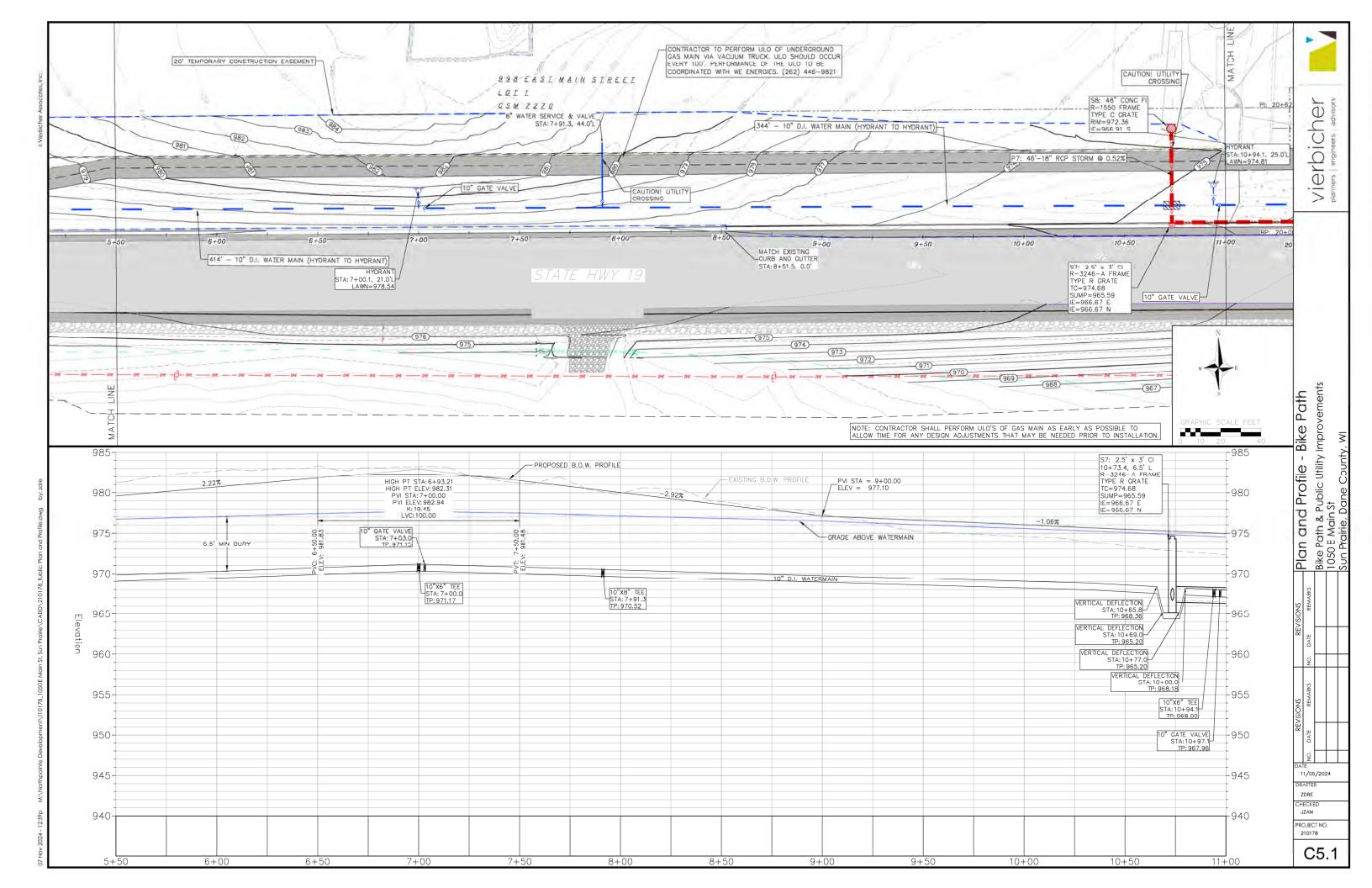
C3.4

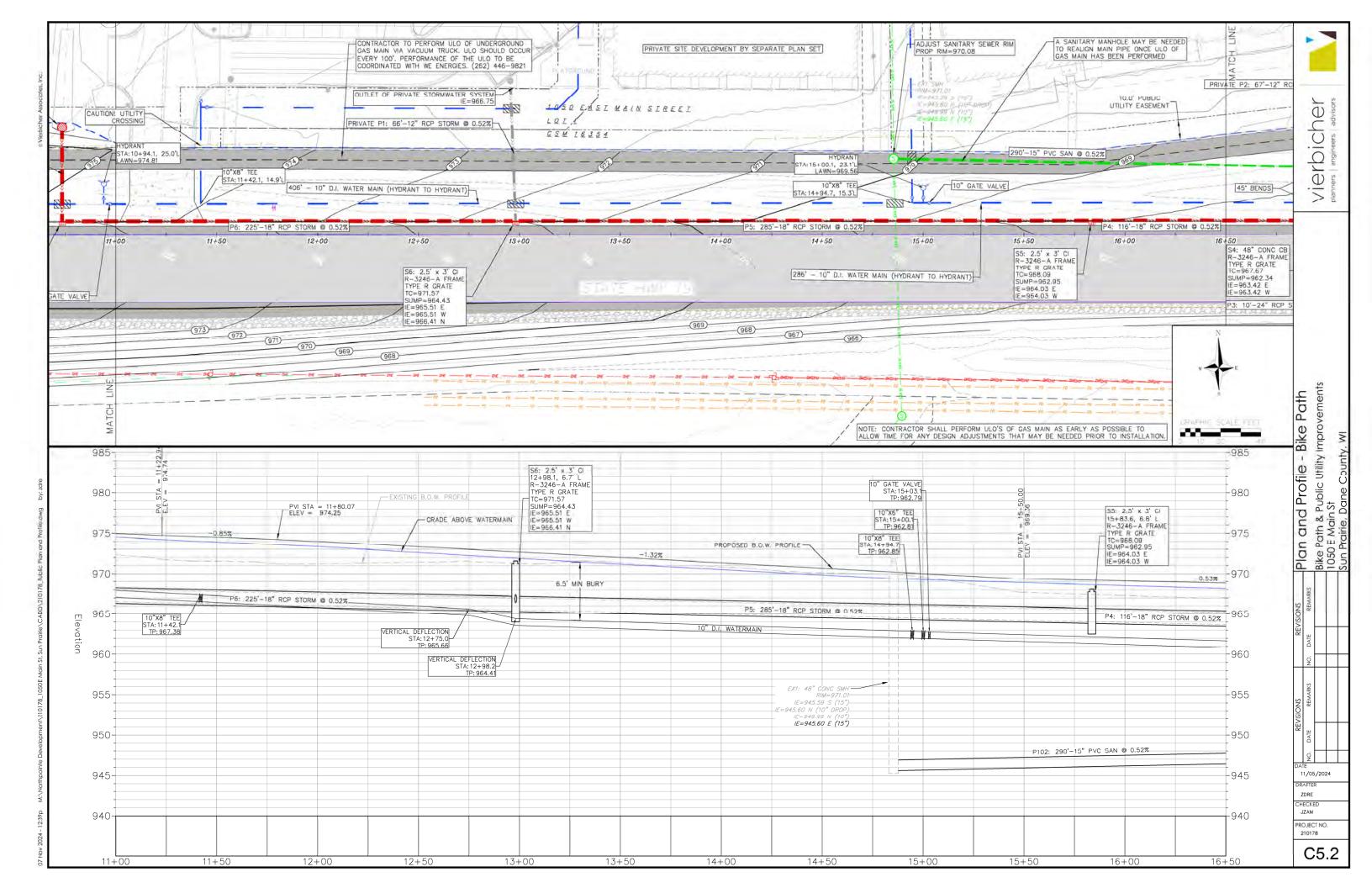


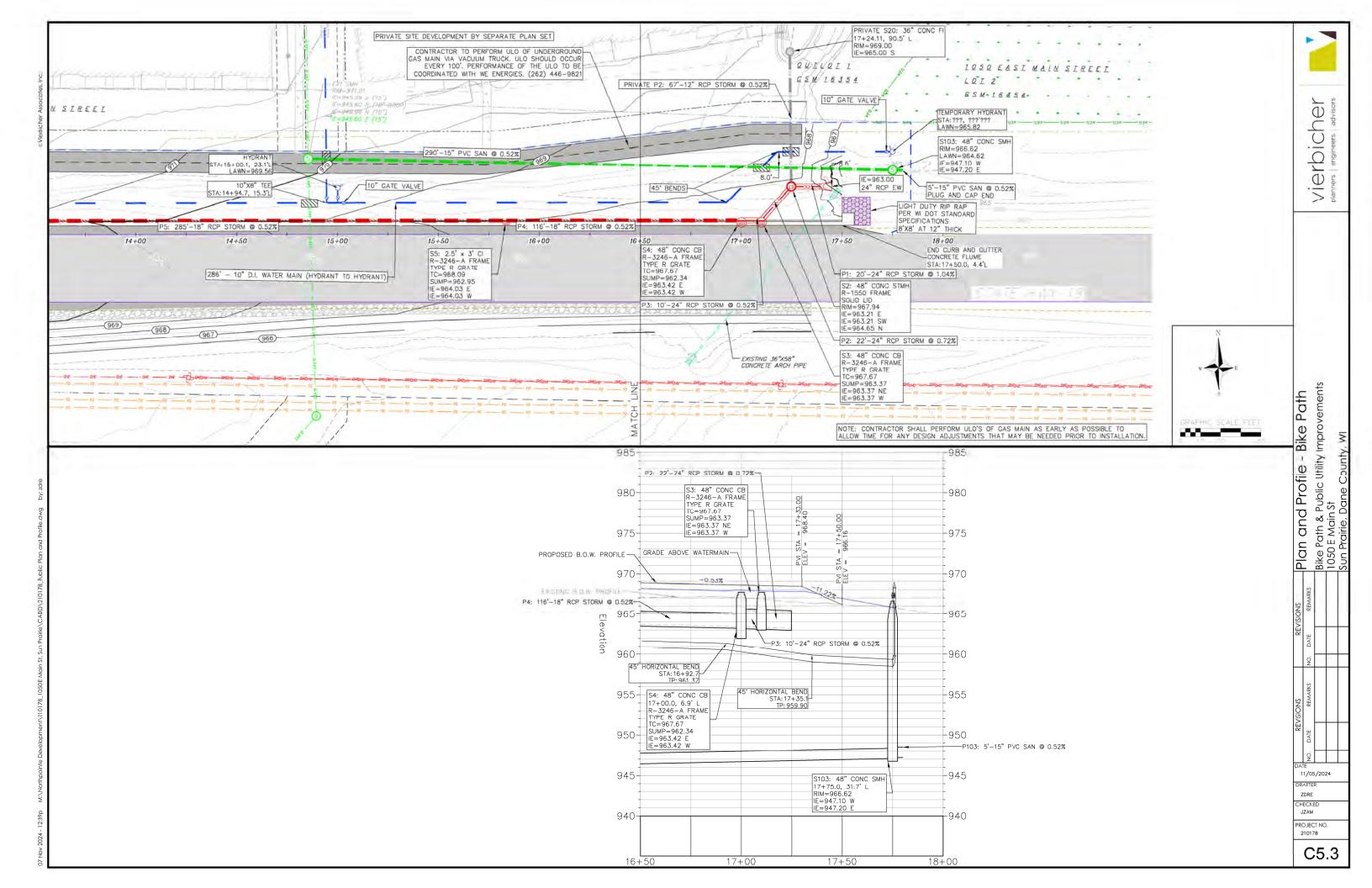


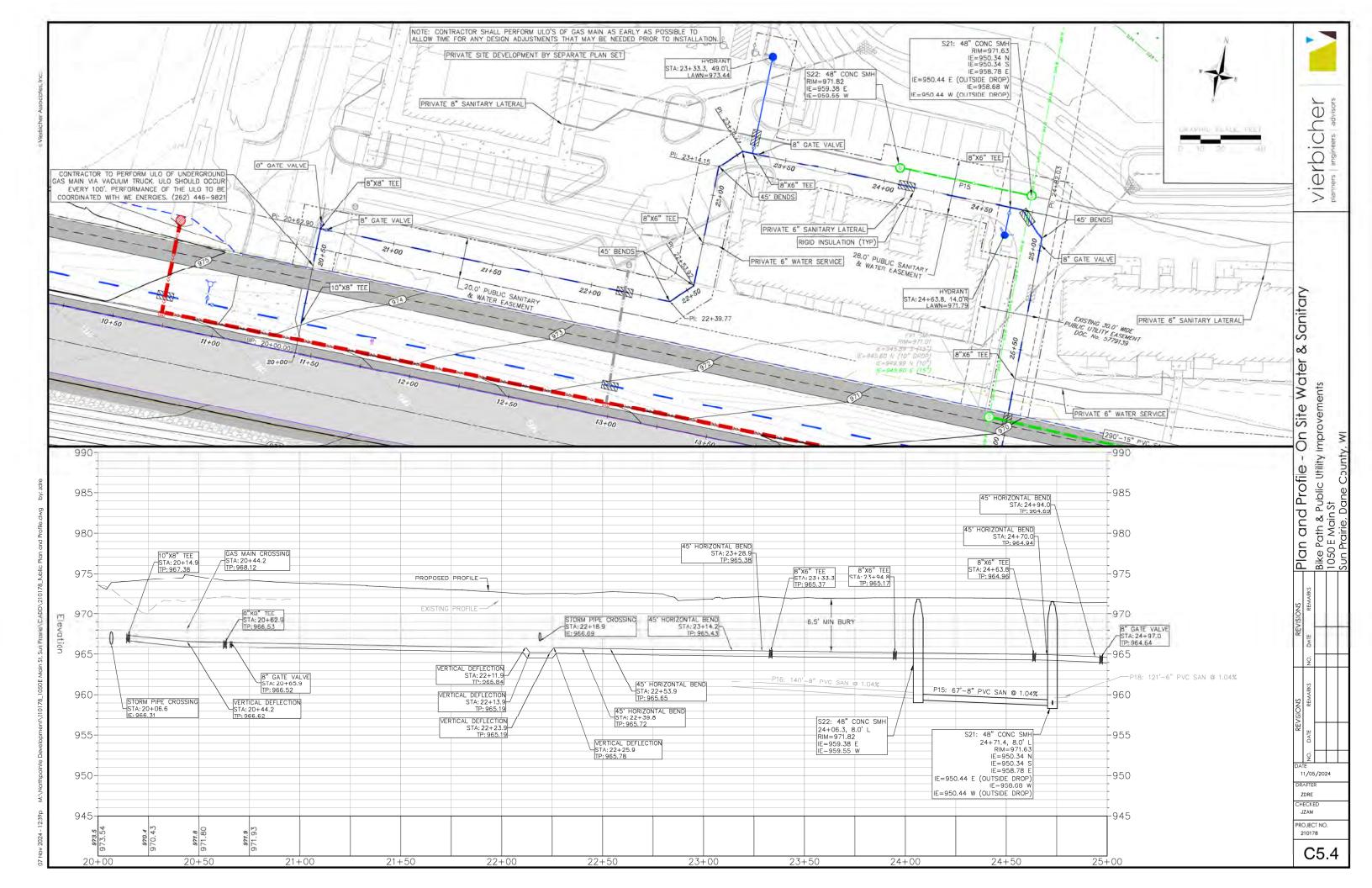


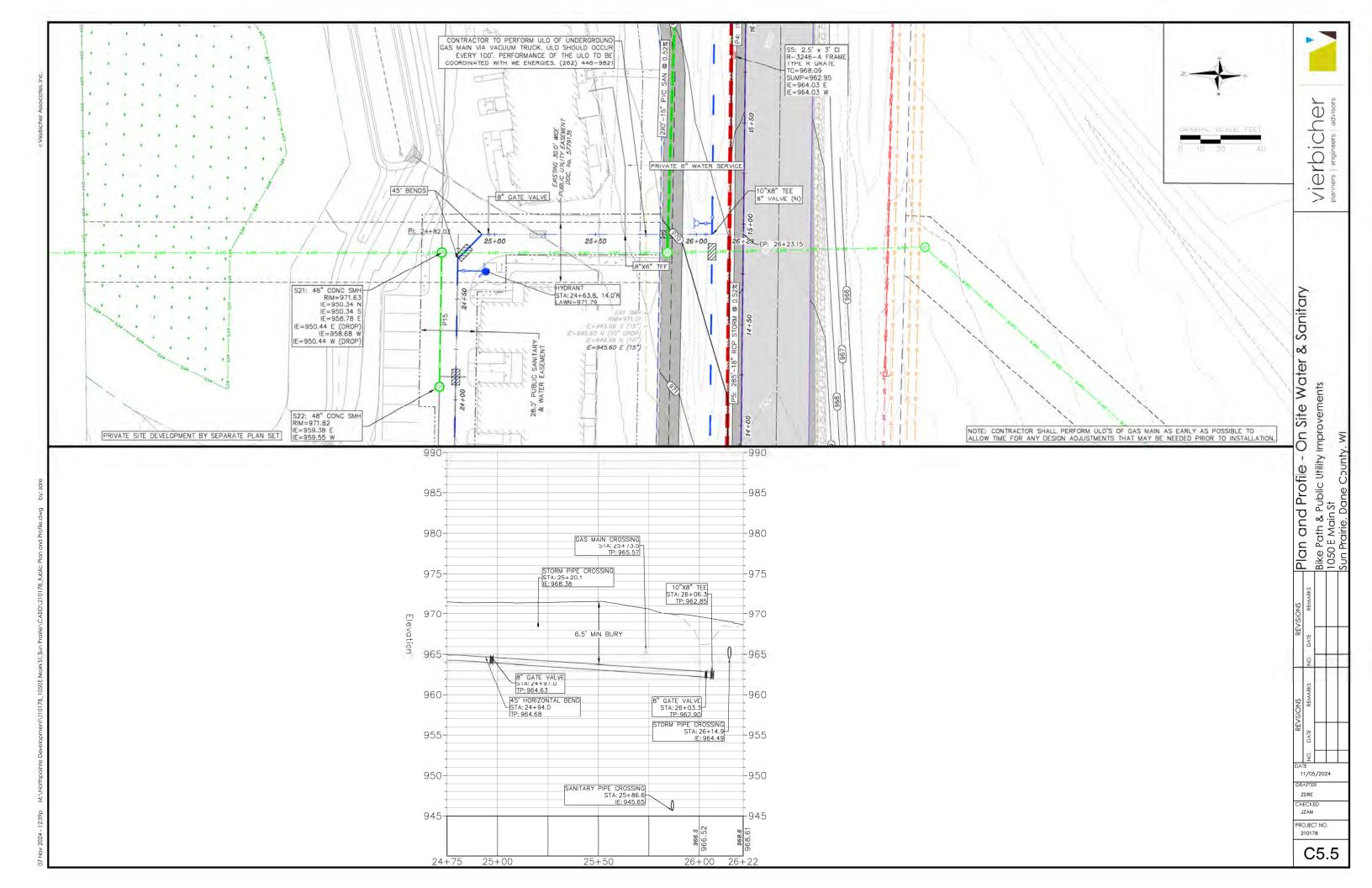


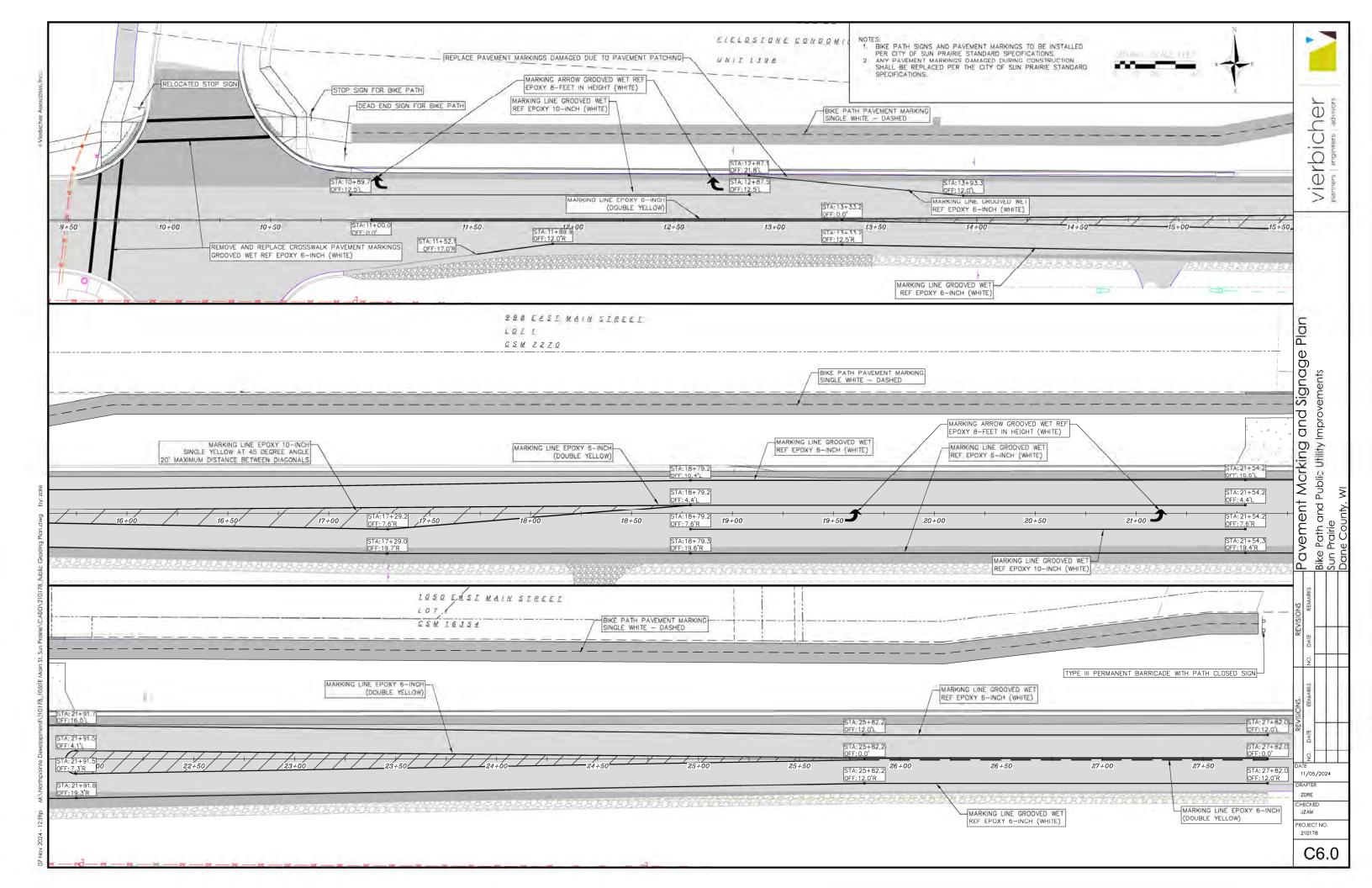


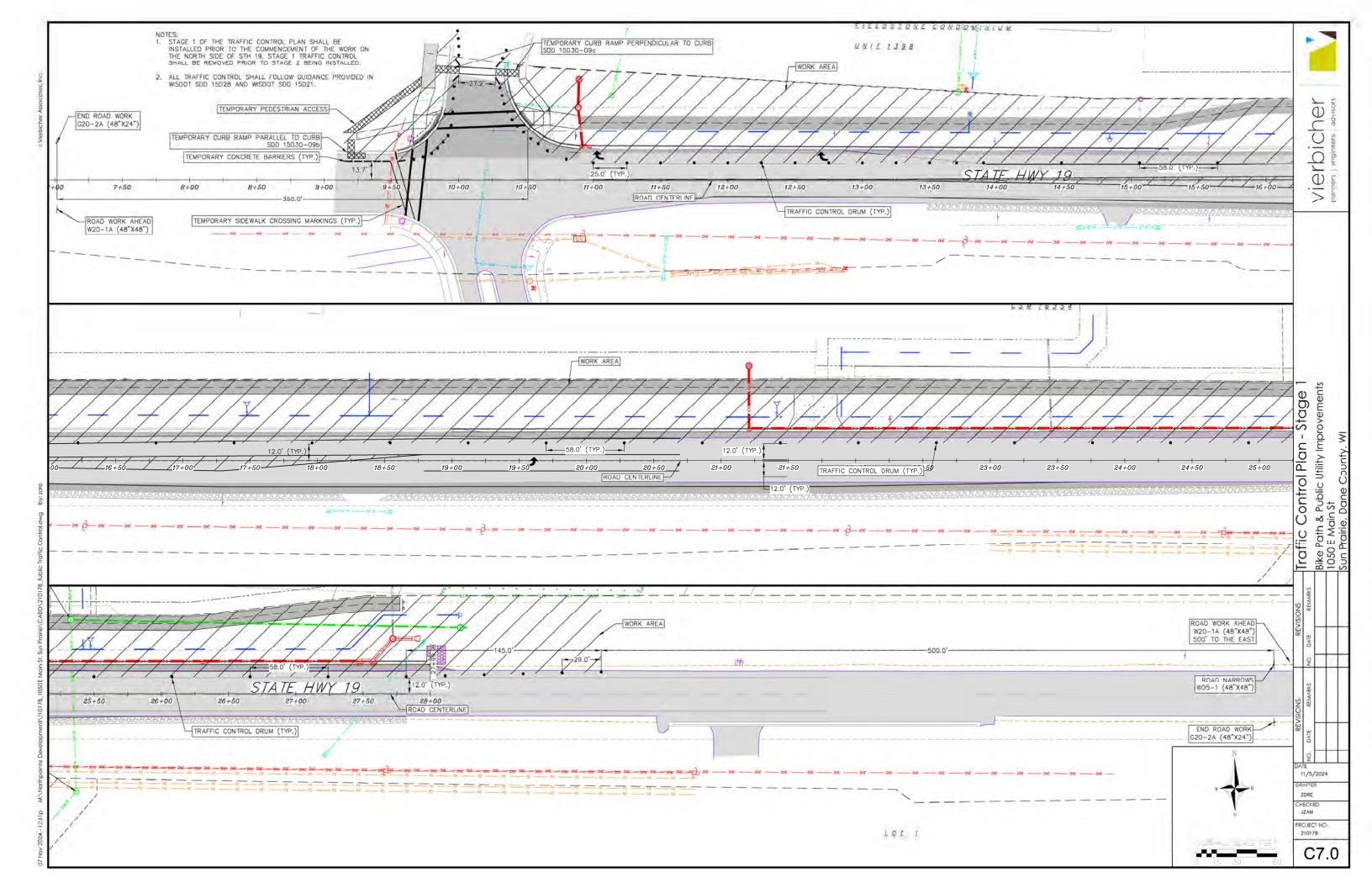


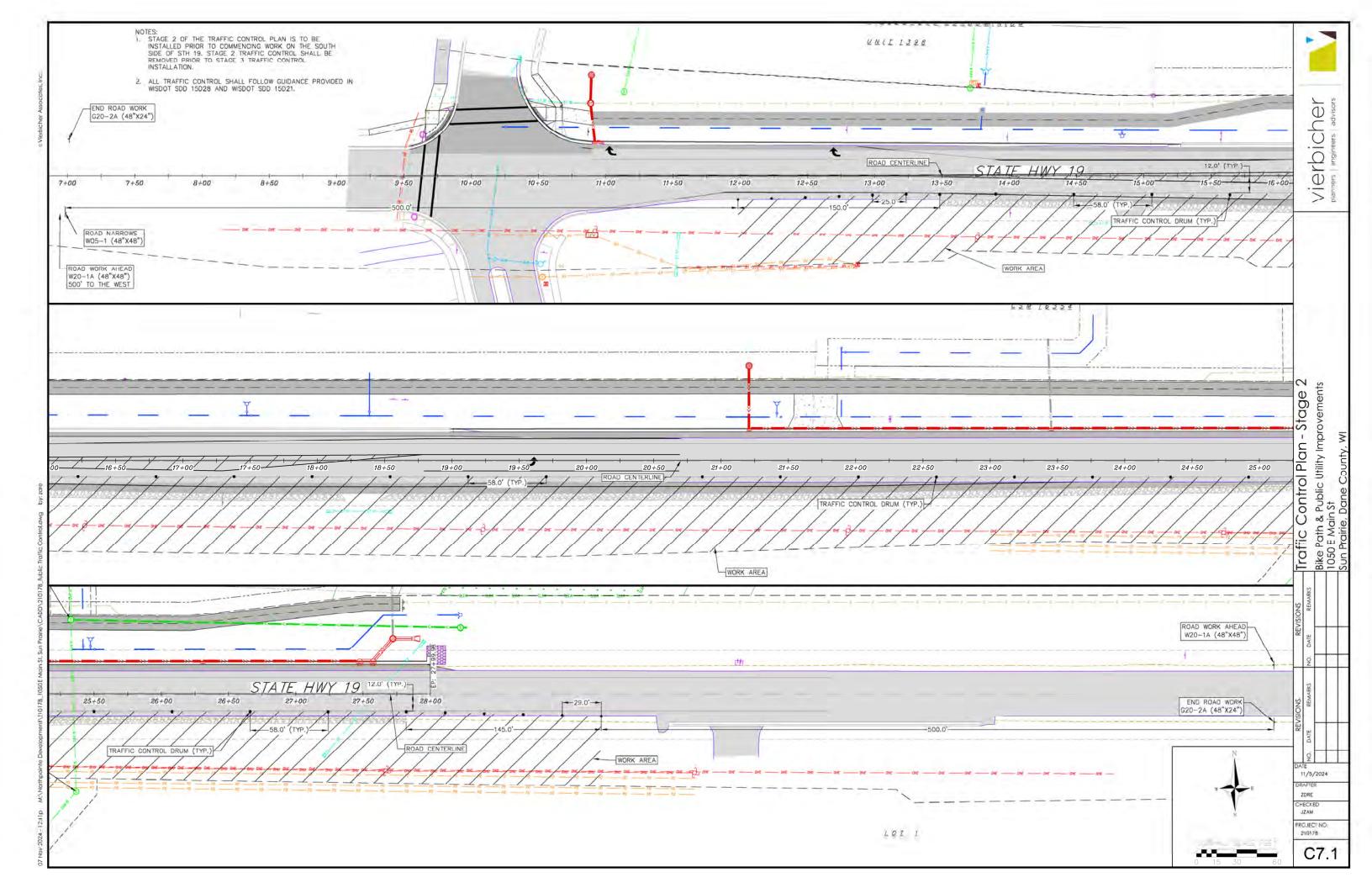


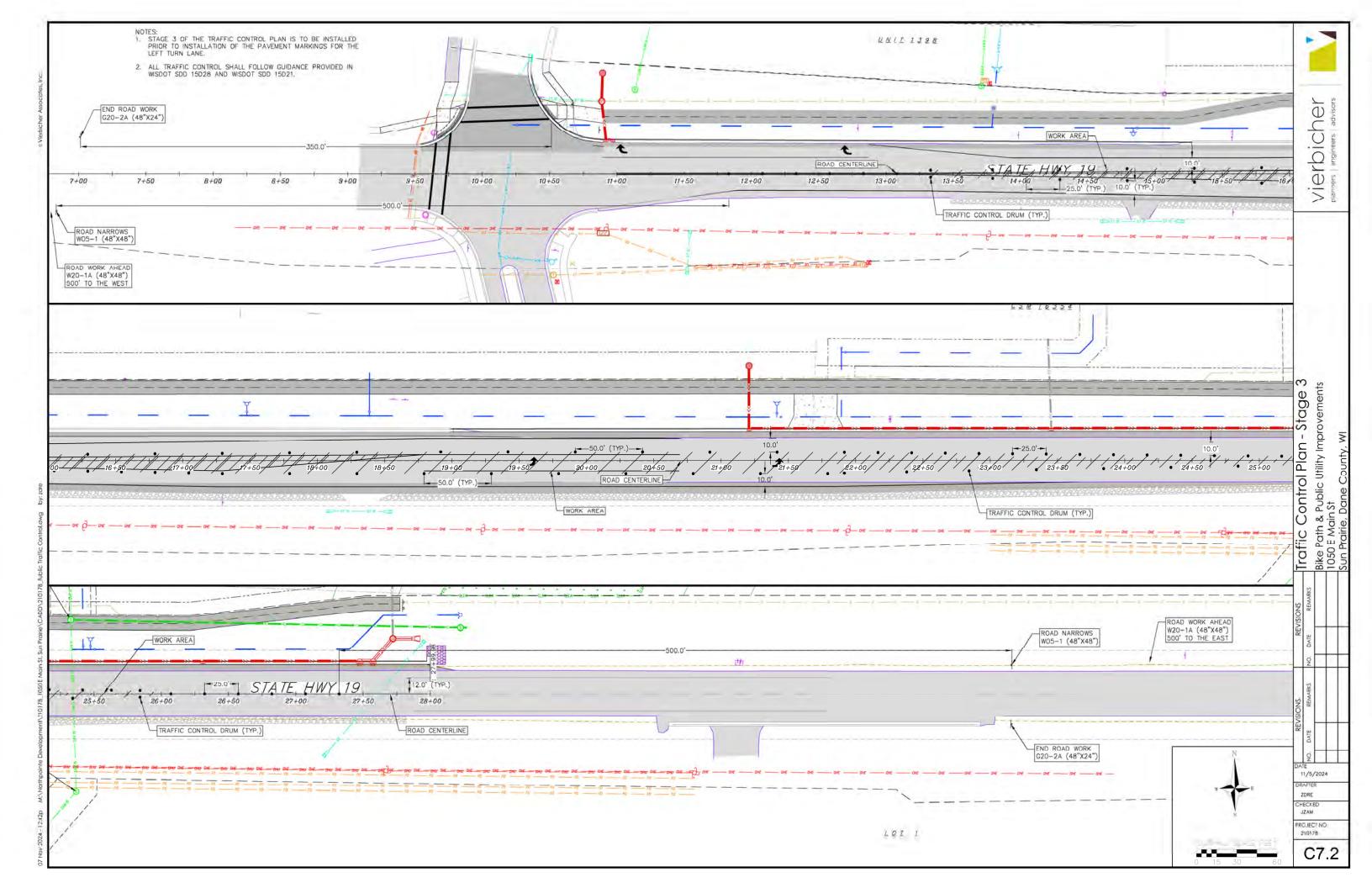


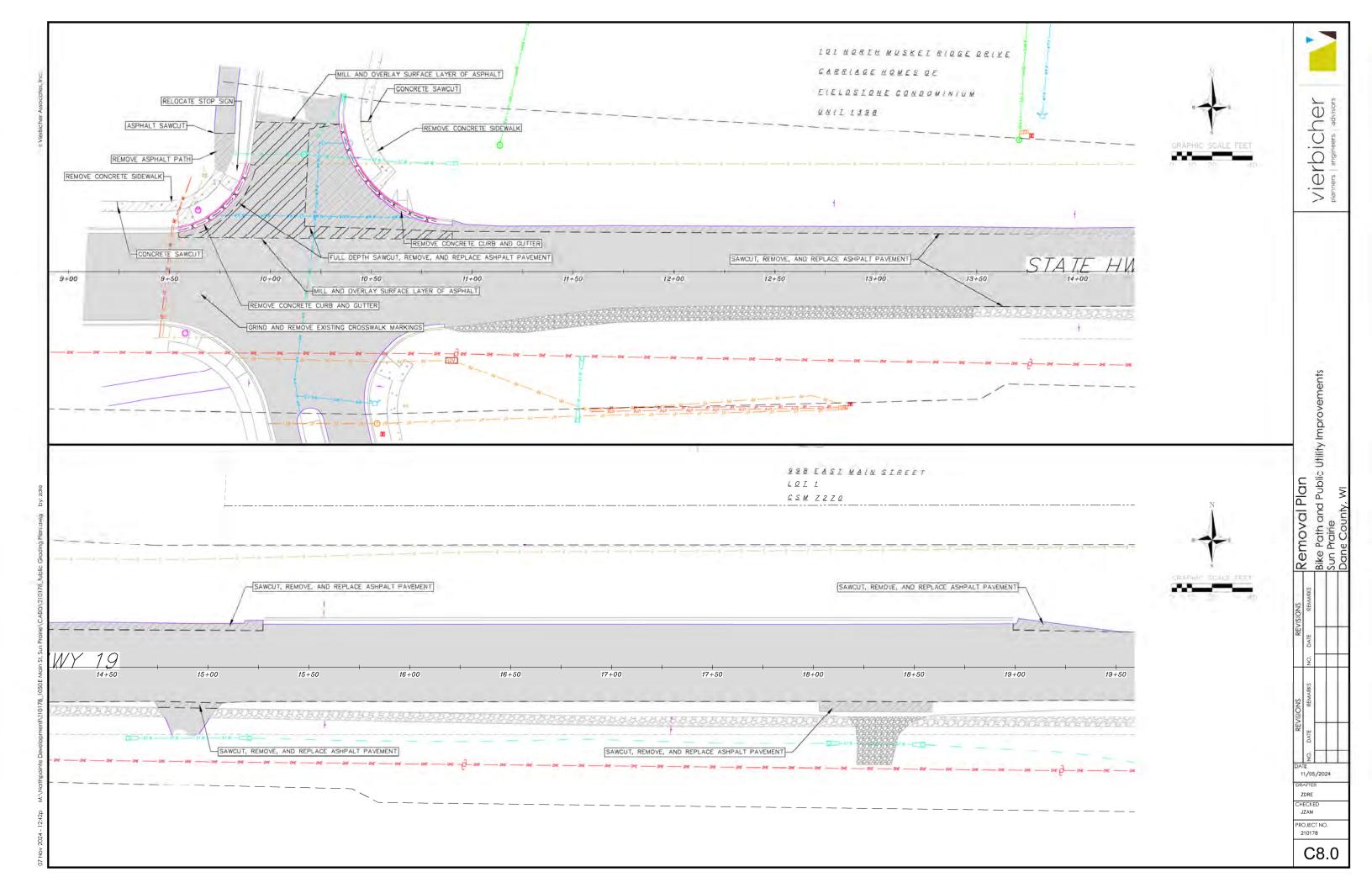


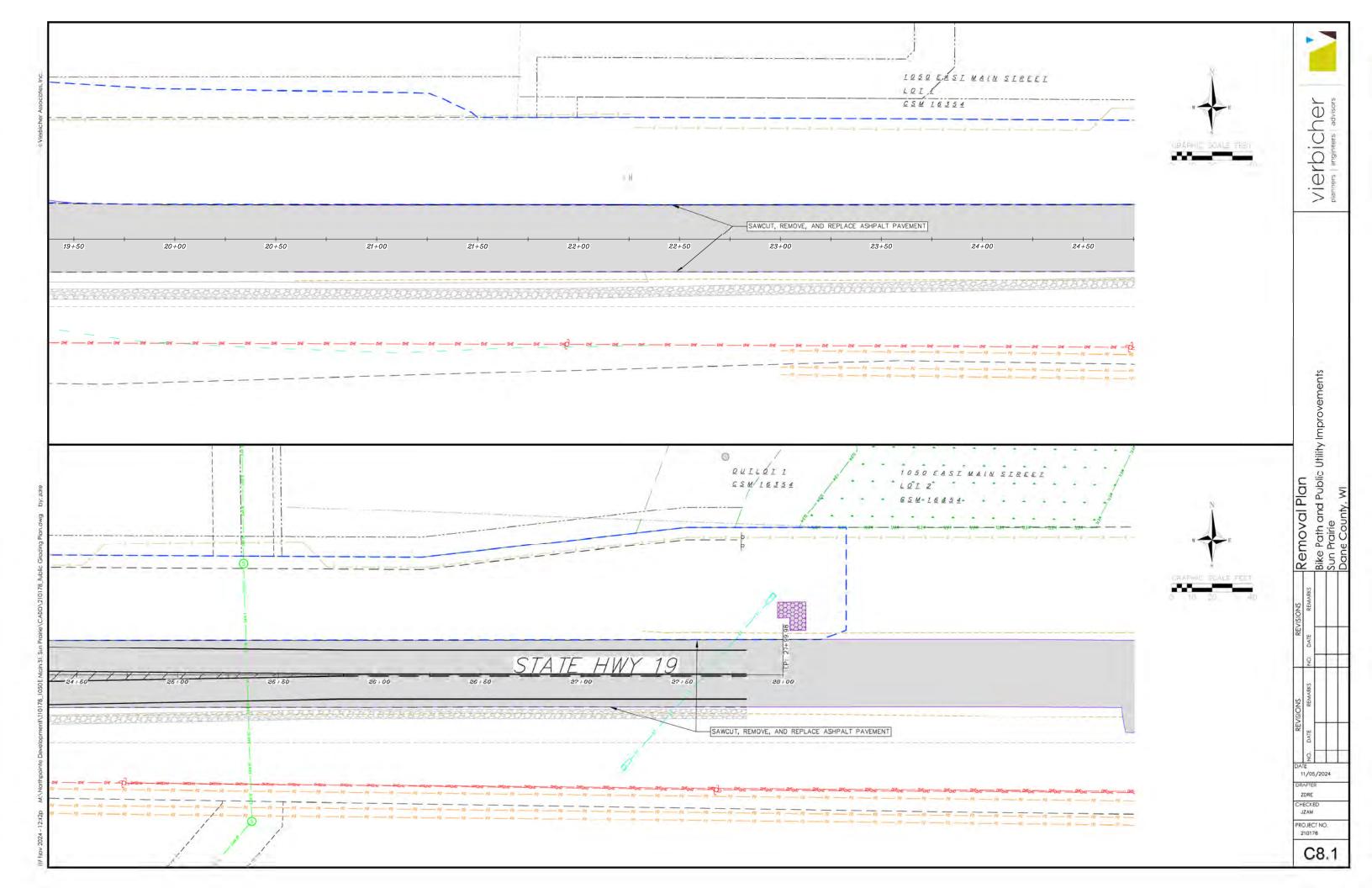


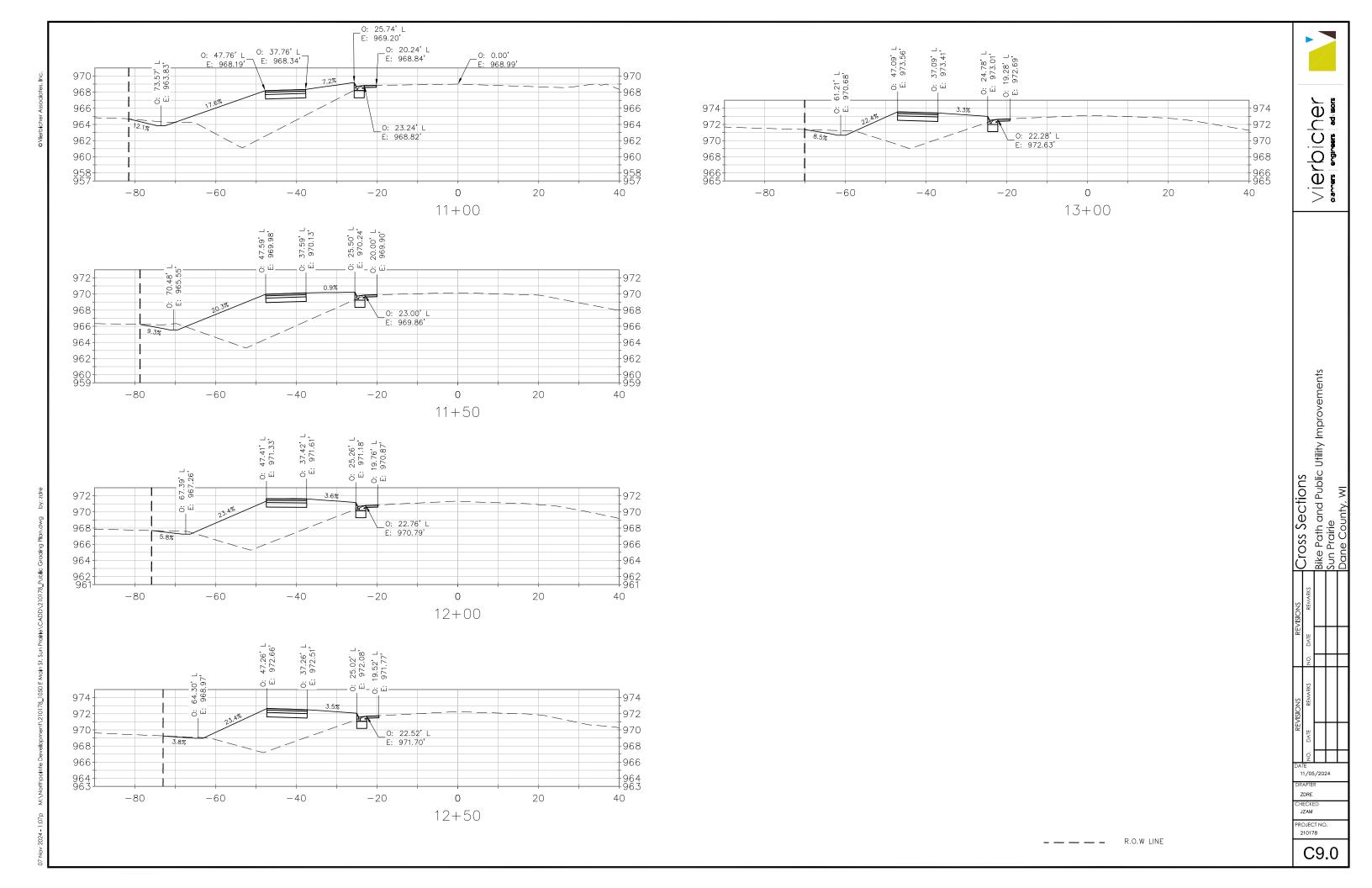












VIERDICHER DISTRIBUTION OF THE PROPERTY OF THE

Cross Sections Bike Path and Public Utility Improvements Sun Prairie Dane County, WI

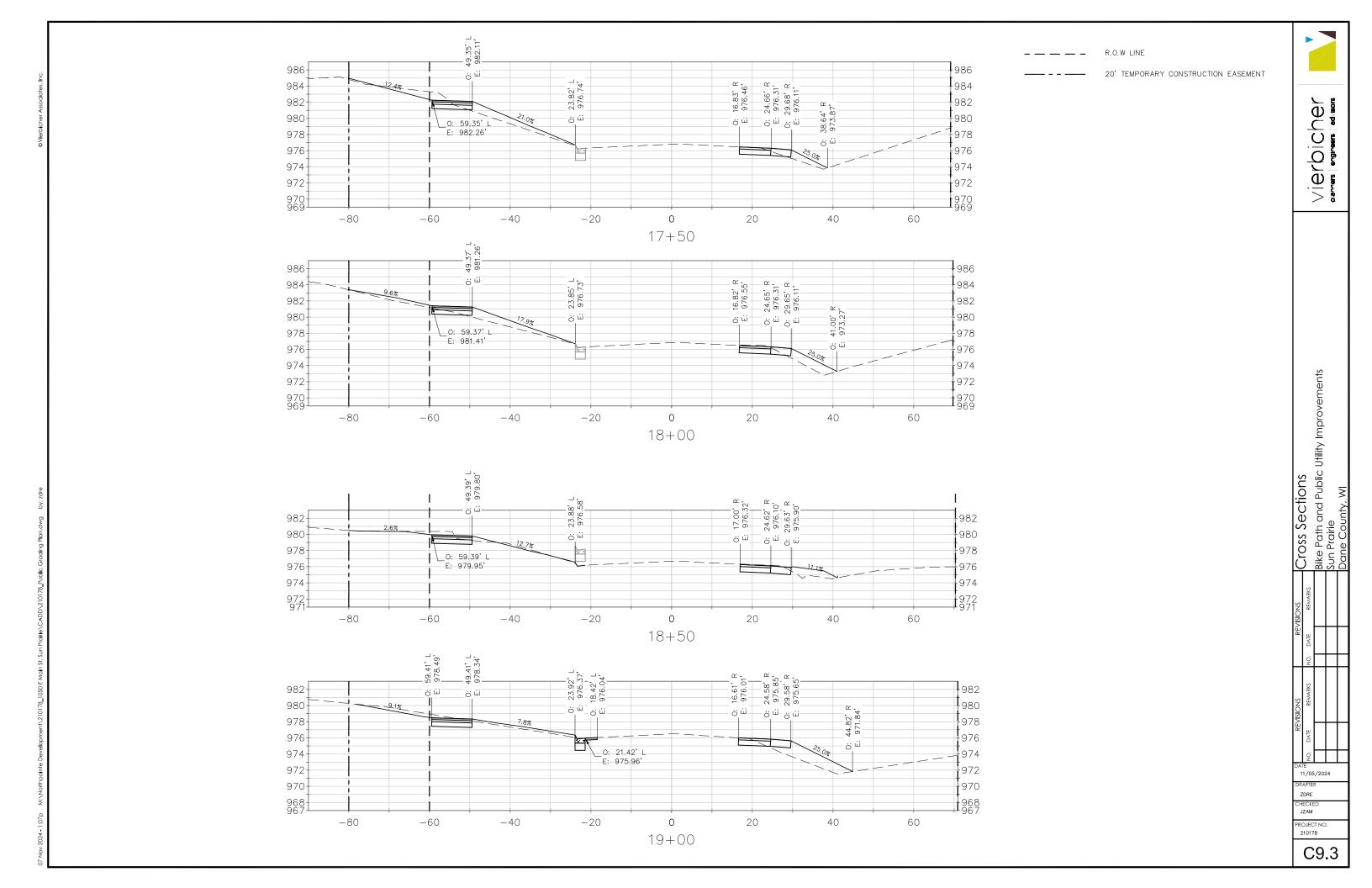
C9.1

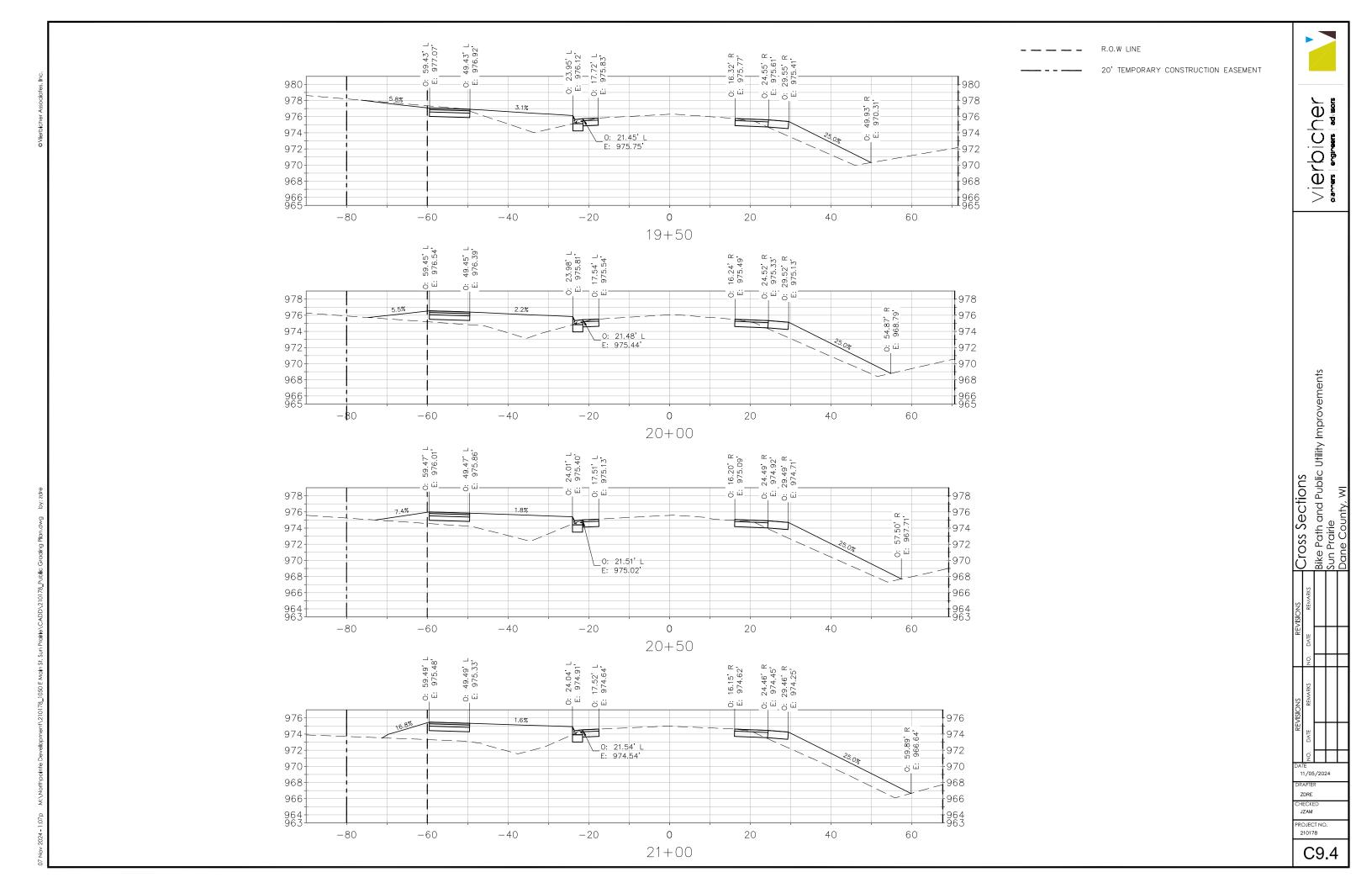
VIERDICHER Parameter | advisors

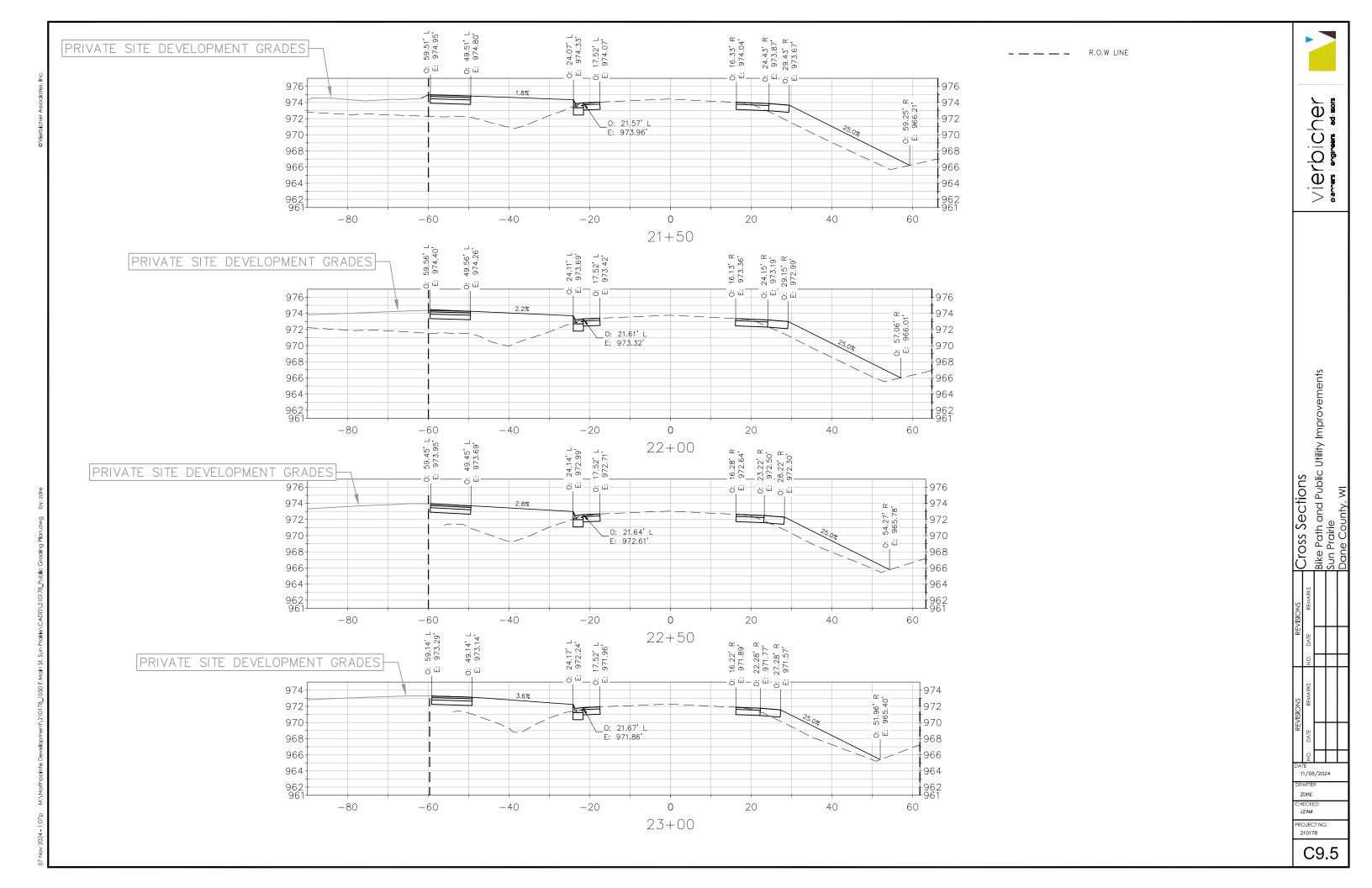
Cross Sections Bike Path and Public Utility Improvements Sun Prairie Dane County, WI 11/05/2024 ZDRE

CHECKED JZAM

C9.2

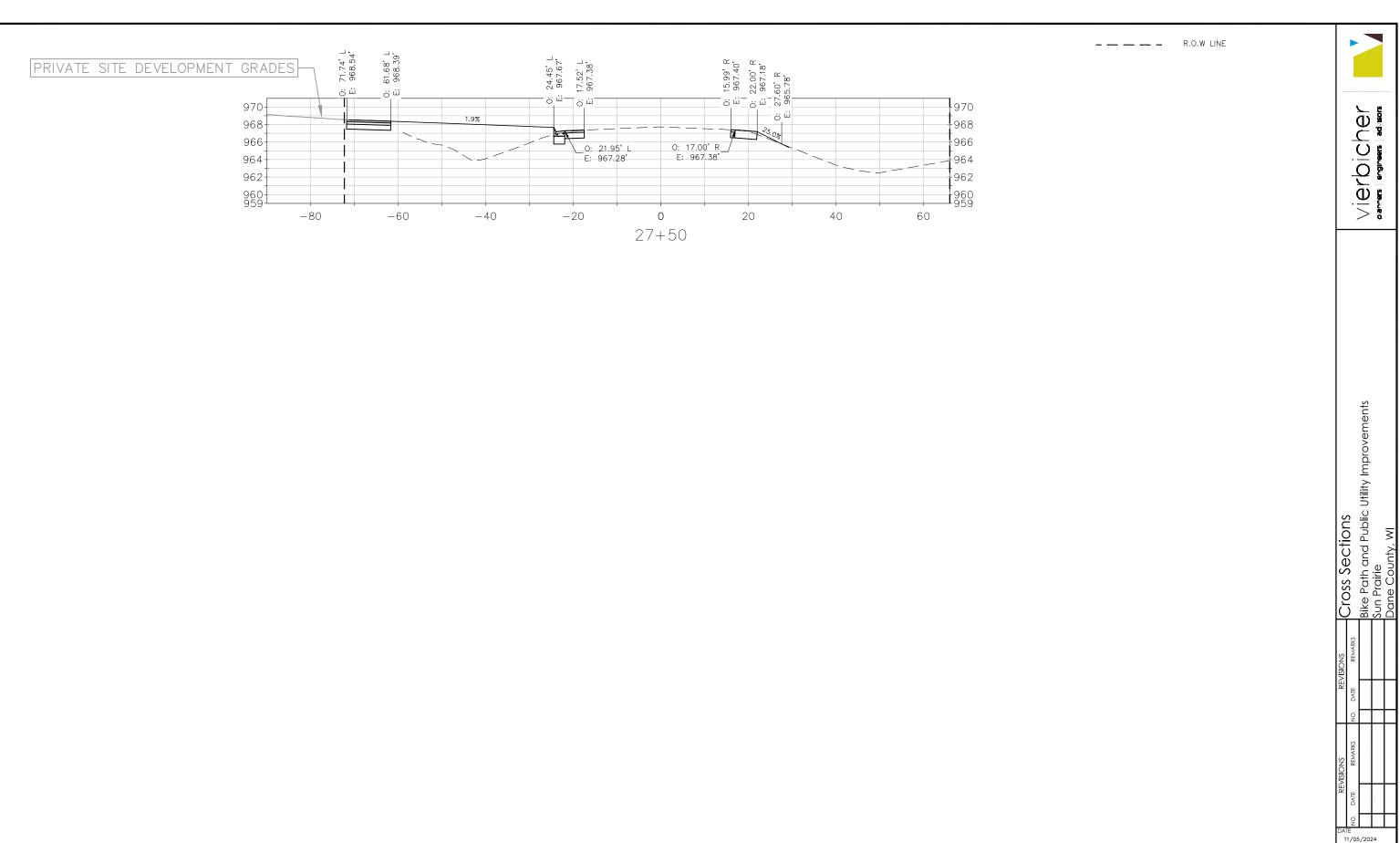






VIERDICHER OF COMMENTS | engineers | edvisors

Cross Sections
Bike Path and Public Utility Improvements
Sun Prairie
Dane County, WI 11/05/2024



ZDRE CHECKED JZAM

PROJECT NO. 210178

C9.8