CE-MVP-RD

June 3, 2025

MEMORANDUM FOR RECORD

SUBJECT: US Army Corps of Engineers (Corps) Approved Jurisdictional Determination in accordance with the "Revised Definition of 'Waters of the United States'"; (88 FR 3004 (January 18, 2023) as amended by the "Revised Definition of 'Waters of the United States'; Conforming" (8 September 2023),¹ MVP-2025-00518-CJB, MFR 1 of 1.²

BACKGROUND. An Approved Jurisdictional Determination (AJD) is a Corps document stating the presence or absence of waters of the United States on a parcel or a written statement and map identifying the limits of waters of the United States on a parcel. AJDs are clearly designated appealable actions and will include a basis of JD with the document.³ AJDs are case-specific and are typically made in response to a request. AJDs are valid for a period of five years unless new information warrants revision of the determination before the expiration date or a District Engineer has identified, after public notice and comment, that specific geographic areas with rapidly changing environmental conditions merit re-verification on a more frequent basis.⁴

On January 18, 2023, the Environmental Protection Agency (EPA) and the Department of the Army ("the agencies") published the "Revised Definition of 'Waters of the United States," 88 FR 3004 (January 18, 2023) ("2023 Rule"). On September 8, 2023, the agencies published the "Revised Definition of 'Waters of the United States'; Conforming", which amended the 2023 Rule to conform to the 2023 Supreme Court decision in *Sackett v. EPA*, 598 U.S., 143 S. Ct. 1322 (2023) ("*Sackett*").

This Memorandum for Record (MFR) constitutes the basis of jurisdiction for a Corps AJD as defined in 33 CFR §331.2. For the purposes of this AJD, we have relied on Section 10 of the Rivers and Harbors Act of 1899 (RHA),⁵ the 2023 Rule as amended,

¹ While the Revised Definition of "Waters of the United States"; Conforming had no effect on some categories of waters covered under the CWA, and no effect on any waters covered under RHA, all categories are included in this Memorandum for Record for efficiency.

² When documenting aquatic resources within the review area that are jurisdictional under the Clean Water Act (CWA), use an additional MFR and group the aquatic resources on each MFR based on the TNW, the territorial seas, or interstate water that they are connected to. Be sure to provide an identifier to indicate when there are multiple MFRs associated with a single AJD request (i.e., number them 1, 2, 3, etc.).

³ 33 CFR 331.2.

⁴ Regulatory Guidance Letter 05-02.

⁵ USACE has authority under both Section 9 and Section 10 of the Rivers and Harbors Act of 1899 but for convenience, in this MFR, jurisdiction under RHA will be referred to as Section 10.

CE-MVP-RD SUBJECT: 2023 Rule, as amended, Approved Jurisdictional Determination in Light of *Sackett v. EPA*, 143 S. Ct. 1322 (2023), MVP-2025-00518-CJB

as well as other applicable guidance, relevant case law, and longstanding practice in evaluating jurisdiction.

- 1. SUMMARY OF CONCLUSIONS.
 - a. Provide a list of each individual feature within the review area and the jurisdictional status of each one (i.e., identify whether each feature is/is not a water of the United States and/or a navigable water of the United States).

Name of Aquatic Resource	JD or Non-JD	Section 404/Section 10
Wetland A	Non-Jurisdictional	N/A
Wetland B	Non-Jurisdictional	N/A

2. REFERENCES.

- a. "Revised Definition of 'Waters of the United States," 88 FR 3004 (January 18, 2023) ("2023 Rule")
- b. "Revised Definition of 'Waters of the United States'; Conforming" 88 FR 61964 (September 8, 2023))
- c. Sackett v. EPA, 598 U.S. 651, 143 S. Ct. 1322 (2023)
- d. "Memorandum To The Field Between The U.S. Department Of The Army, U.S. Army Corps Of Engineers And The U.S. Environmental Protection Agency Concerning The Proper Implementation Of 'Continuous Surface Connection' Under The Definition Of "Waters Of The United States" Under The Clean Water Act" (March 12, 2025)

3. REVIEW AREA.

- a. Review Area Size (in acres): 11
- b. Location Description: The review area is located in Section 09, Township 06N, Range 19E, Waukesha County, Wisconsin.
- c. Center Coordinates of the Project Site (in decimal degrees) Latitude: 42.992960 Longitude: -88.252960
- d. Nearest City or Town: Waukesha
- e. County: Waukesha
- f. State: Wisconsin
- g. Other associated Jurisdictional Determinations (including outcomes):

Action ID	Туре	Outcome
N/A	N/A	N/A

4. NEAREST TRADITIONAL NAVIGABLE WATER (TNW), THE TERRITORIAL SEAS, OR INTERSTATE WATER TO WHICH THE AQUATIC RESOURCE IS CONNECTED.⁶

N/A

5. FLOWPATH FROM THE SUBJECT AQUATIC RESOURCES TO A TNW, THE TERRITORIAL SEAS, OR INTERSTATE WATER.

N/A

6. SECTION 10 JURISDICTIONAL WATERS⁷: Describe aquatic resources or other features within the review area determined to be jurisdictional in accordance with Section 10 of the Rivers and Harbors Act of 1899. Include the size of each aquatic resource or other feature within the review area and how it was determined to be jurisdictional in accordance with Section 10.⁸

N/A

7. SECTION 404 JURISDICTIONAL WATERS: Describe the aquatic resources within the review area that were found to meet the definition of waters of the United States in accordance with the 2023 Rule as amended, consistent with the Supreme Court's decision in *Sackett*. List each aquatic resource separately, by name, consistent with the naming convention used in section 1, above. Include a rationale for each aquatic resource, supporting that the aquatic resource meets the relevant category of "waters of the United States" in the 2023 Rule as amended. The rationale should also include a written description of, or reference to a map in the administrative record that shows, the lateral limits of jurisdiction for each aquatic resource, including how that limit was determined, and incorporate relevant

⁶ This MFR should not be used to complete a new stand-alone TNW determination. A stand-alone TNW determination for a water that is not subject to Section 9 or 10 of the Rivers and Harbors Act of 1899 (RHA) is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established.

⁷ 33 CFR 329.9(a) A waterbody which was navigable in its natural or improved state, or which was susceptible of reasonable improvement (as discussed in § 329.8(b) of this part) retains its character as "navigable in law" even though it is not presently used for commerce, or is presently incapable of such use because of changed conditions or the presence of obstructions.

⁸ This MFR is not to be used to make a report of findings to support a determination that the water is a navigable water of the United States. The district must follow the procedures outlined in 33 CFR part 329.14 to make a determination that water is a navigable water of the United States subject to Section 10 of the RHA.

references used. Include the size of each aquatic resource in acres or linear feet and attach and reference related figures as needed.

- a. Traditional Navigable Waters (TNWs) (a)(1)(i): N/A
- b. The Territorial Seas (a)(1)(ii): N/A
- c. Interstate Waters (a)(1)(iii): N/A
- d. Impoundments (a)(2): N/A
- e. Tributaries (a)(3): N/A
- f. Adjacent Wetlands (a)(4): N/A
- g. Additional Waters (a)(5): N/A

8. NON-JURISDICTIONAL AQUATIC RESOURCES AND FEATURES

a. Describe aquatic resources and other features within the review area identified in the 2023 Rule as amended as not "waters of the United States" even where they otherwise meet the terms of paragraphs (a)(2) through (5). Include the type of excluded aquatic resource or feature, the size of the aquatic resource or feature within the review area and describe how it was determined to meet one of the exclusions listed in 33 CFR 328.3(b).⁹

The review area for this JD includes two aquatic resources identified as Wetland A and Wetland B. Wetland A is a 0.66 acre stormwater pond that was constructed in uplands sometime around 2005. A review of historical aerial photos dating back to 1937 did not show any dark signatures within the footprint of the pond. Based on review of the National Regulatory Viewer, Wetland A is located within predominantly non-hydric soils. Therefore, Wetland A meets the 33 CFR 328.3(b)(5) definition of a (b)(5) exclusion as it is an artificial lake or pond created by excavating or diking dry land to collect and retain water and which is used exclusively for such purposes as stock watering, irrigation, settling basins, or rice growing.

Wetland B is a 0.12 acre ditch that was excavated wholly in uplands sometime around 2005 to convey stormwater to the constructed stormwater pond (Wetland A). A review of historical aerial photos dating back to 1937 did not show any dark signatures within the footprint of the ditch. Based on review of the USA soils Hydric Class layer within the National Regulatory Viewer, the ditch is located within non-hydric soils. Review of aerial

^{9 88} FR 3004 (January 18, 2023)

photos, the Wisconsin Wetland Inventory layer within the National Regulatory Viewer, and Google Earth Street View photos, does not indicate this ditch drains other wetlands. Based on aerial photos and on site photos from the delineation report, Wetland B does not carry a relatively permanent flow. Therefore, Wetland B meets the 33 CFR 328.3(b)(3) definition of a ditch that was excavated wholly in and draining only dry land and does not carry a relatively permanent flow of water.

Therefore, Wetland A and Wetland B are aquatic resources that are not jurisdictional under the 2023 Revised Definition of 'Waters of the United States'; Conforming' 88 FR 61964 Final Rule.

b. Describe aquatic resources and features within the review area that were determined to be non-jurisdictional because they do not meet one or more categories of waters of the United States under the 2023 Rule as amended (e.g., tributaries that are non-relatively permanent waters; non-tidal wetlands that do not have a continuous surface connection to a jurisdictional water).

N/A

- 9. DATA SOURCES. List sources of data/information used in making determination. Include titles and dates of sources used and ensure that information referenced is available in the administrative record.
 - a. Desktop review completed May 29, 2025
 - Wetland Delineation Report, completed by Wetland & Waterway Consulting, LLC, dated May 6, 2024
 - c. USA Sols Hydric Class and Wisconsin Wetland Inventory layers from the National Regulatory Viewer, accessed May 29, 2025
 - d. Historic Aerial Photos, select years from 1937 to 1979, provided by Linda Johnson of TerraTec Engineering
 - e. Google Earth Historic Aerial photos, from years 2000 and 2004, accessed May 29, 2025
 - f. Google Earth Street View, accessed May 29, 2025

10. OTHER SUPPORTING INFORMATION. N/A

11. NOTE: The structure and format of this MFR were developed in coordination with the EPA and Department of the Army. The MFR's structure and format may be subject to future

CE-MVP-RD SUBJECT: 2023 Rule, as amended, Approved Jurisdictional Determination in Light of *Sackett v. EPA*, 143 S. Ct. 1322 (2023), MVP-2025-00518-CJB

modification or may be rescinded as needed to implement additional guidance from the agencies; however, the approved jurisdictional determination described herein is a final agency action.







- 5. CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING OF THE
- 6. NO BURNING OF MATERIALS FROM THE SITE IS PERMITTED. THE USE OF EXPLOSIVES ON THIS PROJECT
- 8. ALL UTILITY REMOVALS INCLUDE REMOVAL OF THE UTILITY STRUCTURES AND LINES UNLESS

- REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER TO MAINTAIN FIELD TILE DRAINAGE.

	PROJECT		
Mouk	ocho Wator Utility		
vvaun	esha waler Ulinty		
1280	Chapman Drive		
OWNER: City of W	/aukesha		
PROJEC [*] April 8	T ISSUE DATE: 3, 2025		
		/	
	ARCHITECTS		
1050 pho	05 Corporate Drive, Pleasant Prairie, WI ne: 262.857.8101 web: www.kuenyard	53158 ch.com	
© 2	025 Kueny Architects L.L.C All Rights Res	served	
		C	
	CONSULTANT	3	=
ARCHITE	<u>71</u>		
Kueny Arc Phone: 262 Address: 1 Pleasant P	:hitects 2.857.8101 0505 Corporate Drive, Suite 100 rairie, Wisconsin 53158		
Architect o P:414.690	f Record - Jon P. Wallenkamp 3197		
Project Ma P:262.945.	nager - Lee Anderson 7709		
<u>CIVIL</u>			
TerraTec I <u>Phone</u> : 262 <u>Address</u> : V Cedarburg	Engineering 2.377.9905 V67N222 Evergreen Blvd., Suite 205 , WI 53012		
Engineer o	f Record - Linda Johnson		
MEP			
RTM Engin	neering Consultants		
Address: 3 Milwaukee	16 N. Milwaukee Street, Suite 560 WI 53202		
Engineer o	f Record - Timothy Larsen, PE		
LANDSCA	PE		
The Slgma <u>Phone</u> : 414 <u>Address</u> : 1 Milwaukee	l Group 4.643.4235 300 W. Canal Street , WI 53233		
Engineer o	f Record - Rosheen Styczinski, PLA		
	REVISIONS		
REV #	DESCRIPTION	DATE	

SHEE

KEY PLAN

SHEET TITLE:

Site Prep & Erosion Control







H Linda K. Johnson E29122 Milwaukeo, Lu WF STOMAC Company

GENERAL NOTES

1. SEE SHEET C1 FOR EXISTING CONDITIONS LEGEND AND NOTES.

2. STANDARD CURB = LOW SIDE CURB; REJECT CURB = HIGH SIDE CURB. SEE SHEET C7 FOR DETAILS.

PROPOSED CONDITIONS LEGEND

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Sec. Sec. Sec.

RIVER ROCK

PAVEMENT EDGE

BUILDING

CATCH BASIN STRUCTURE

LIGHT POLE (SEE LIGHTING PLANS FOR DETAILS - SHOWN FOR LOCATION ONLY)

ASPHALT PAVEMENT

CONCRETE PAVEMENT

- 3. CONTRACTOR TO THOROUGHLY REVIEW ENVIORNMENTAL/GEOTECHNICAL REPORTS PRIOR TO CONSTRUCTION. CONTRACTOR SOLELY RESPONSIBLE FOR ACHIEVING OSHA REQUIREMENTS FOR WORKERS & WORK PERFORMED.
- 4. DIMENSIONS SHOWN ARE TO FACE OF CURB, UNLESS OTHERWISE STATED.

DIGGERS AND HOTLINE Toll Free (800) 242–8511 Milwaukee Area (414) 259-1181 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

"The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."

PROJECT
PROJECT:
Waukesha Water Utility
1280 Chapman Drive
OWNER: City of Waukesha
PROJECT ISSUE DATE: April 8, 2025
ARCHITECTS
10505 Corporate Drive, Pleasant Prairie, WI 53158 phone: 262.857.8101 web: www.kuenyarch.com
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CONSULIANIS
ARCHITECT
Kueny Architects <u>Phone</u> : 262.857.8101 <u>Address</u> : 10505 Corporate Drive, Suite 100 Pleasant Prairie, Wisconsin 53158
Architect of Record - Jon P. Wallenkamp P:414.690.3197
Project Manager - Lee Anderson P:262.945.7709
<u>CIVIL</u>
TerraTec Engineering <u>Phone</u> : 262.377.9905 <u>Address</u> : W67N222 Evergreen Blvd., Suite 205 Cedarburg, WI 53012
Engineer of Record - Linda Johnson
MEP
RTM Engineering Consultants Phone: 414.273.1432 Address: 316 N. Milwaukee Street, Suite 560 Milwaukee, WI 53202
Engineer of Record - Timothy Larsen, PE
LANDSCAPE
The SIgma Group <u>Phone</u> : 414.643.4235 <u>Address</u> : 1300 W. Canal Street Milwaukee, WI 53233
Engineer of Record - Rosheen Styczinski, PLA
REVISIONS
REV # DESCRIPTION DATE

SHEE

KEY PLAN

SHEET TITLE: Dimension Plan





GENERAL GRADING/PAVING NOTES

- ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. PARKING LOT AND DRIVEWAY ELEVATIONS ARE PAVEMENT GRADES, NOT TOP OF CURB GRADES. UNLESS OTHERWISE NOTED. MEASUREMENTS WHERE CURB IS PRESENT ARE MEASURED TO FRONT OF CURB UNLESS OTHERWISE NOTED.
- 2. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION. DISCREPANCIES OR OTHER MODIFICATIONS REPORTED/MADE AFTER CONSTRUCTION COMMENCEMENT SHALL BE AT CONTRACTOR'S COST.
- 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL/STATE/FEDERAL REQUIREMENTS INCLUDING THE LATEST STANDARD SPECIFICATIONS FOR THE LOCAL MUNICIPALITY.
- 4. SUBGRADE TO BE PREPARED AS SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER (NOT TERRATEC ENGINEERING, LLC).
- 5. ASPHALT PAVEMENT MINIMUM STRUCTURE (PER ARCHITECT):
- 12" CRUSHED AGGREGATE BASE COURSE WISDOT SECTION 305, 3/4" CRUSHED STONE 4" ASPHALTIC HOT MIX BINDER COURSE- WISDOT SECTION 460, E-0.3 2" ASPHALT HOT MIX SURFACE COURSE - WISDOT SECTION 460, E-0.3 DRIVEWAY APRON AND CONCRETE PAVEMENT LOCATIONS (PER ARCHITECT) 8" CONCRETE ON 6" CRUSHED AGGREGATE BASE COURSE <u>SIDEWALK</u>

6" CONCRETE ON 6" CRUSHED AGGREGATE BASE COURSE

WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, EDITION OF 1996. HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.

6. ASPHALTIC CONCRETE PAVING SPECIFICATIONS-

- w ____ w

- 7. ALL WORK TO BE COMPLETED IN CONJUNCTION WITH ALL STATE AND LOCAL CODES AND ORDINANCES.
- 8. CONTRACTOR SHALL OBTAIN DRIVEWAY PERMIT FROM THE CITY OF WAUKESHA.
- THE FIELD.

CODES AND STANDARDS - THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 401, 405 AND 407 OF THE STATE OF

WEATHER LIMITATIONS - APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (-1° C).

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GRADE CONTROL - ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION. SURFACE PREPARATION - TO BE PREPARED PER SITE GEOTECHNICAL REPORT, NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.

9. CONTRACTOR TO NOTIFY CITY ENGINEERING DEPARTMENT 5-DAYS PRIOR TO WORK WITHIN THE CITY RIGHT-OF-WAY.

10. LIMITS OF FINAL STREET PAVEMENT AND CURB & GUTTER REMOVAL AND REPLACEMENTS TO BE MARKED BY CITY ENGINEERING STAFF IN

GENERAL POND GRADING NOTES

1. PRIOR TO OTHER CONSTRUCTION ACTIVITIES WITHIN THE POND AREA, ANY STANDING WATER SHALL BE REMOVED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD1061.

2. PRIOR TO GRADING THE POND, REMOVE VEGETATION (INCLUDING ROOT BALLS) AND STRIP TOPSOIL FROM THE LIMITS OF THE POND GRADING.

3. WITHIN THE EXISTING POND SIDESLOPE, PERFORM A SMALL TEST PIT (2-3 FEET IN DEPTH) TO DETERMINE IF THERE IS AN EXISTING POND LINER. IF NO POND LINER IS FOUND, COMPLETE GRADING AS SHOWN. IF AN EXISTING POND LINER IS FOUND, CONTACT THE ARCHITECT AND CITY. IF A CLAY LINER IS FOUND, THE NEW POND FLOOR AND SIDEWALLS SHALL HAVE A MATCHING COMPACTED CLAY LINER OR HDPE LINER PER TECHNICAL STANDARD 1001. IF THERE IS AN EXISTING CLAY LINER, THE LINER WILL BE TIED INTO THE EXISTING CLAY LINER BY STEPPING (8-INCH LIFTS) INTO THE EXISTING CLAY LINER. IF THERE IS AN EXISTING HDPE LINER, THE LINER WILL BE TIED INTO THE EXISTING HDPE LINER PER MANUFACTURE RECOMMENDATIONS.



4. ALL WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PER CITY OF

WAUKESHA STANDARD SPECIFICATIONS.



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"The information shown on this drawing

concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."

	PRO.IFC	CT	
PROJECT:			_
Waukes	sha Water Utilit	ty	
1280 Ch	apman Drive		
OWNER: City of Wau	kesha		
PROJECT IS April 8, 2	SSUE DATE: 025		
4		NY CTS	
10505 (phone:	Corporate Drive, Pl easant F 262.857.8101 web: www	Prairie, WI 53158 w.kuenyarch.com	
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C	ONSULTA	ANTS	
ARCHITECT			
Kueny Archit Phone: 262.85 Address: 1050 Pleasant Prair	ects 57.8101)5 Corporate Drive, Suite 1(ie, Wisconsin 53158	00	
Architect of Re P:414.690.319	ecord - Jon P. Wallenkamp 97	0	
Project Manag P:262.945.770	jer - Lee Anderson)9		
TerraTec Eng Phone: 262.37 Address: W67 Cedarburg, W	jineering ≀7.9905 ∖N222 Evergreen Bl∨d., Suit I 53012	ite 205	
Engineer of R	ecord - Linda Johnson		
MEP			
RTM Enginee Phone: 414.27 Address: 316 Milwaukee, W	r ing Consultants 73.1432 N. Milwaukee Street, Suite I 53202	560	
Engineer of R	ecord - Timothy Larsen, PE	1	
LANDSCAPE			
The SIgma Gr <u>Phone</u> : 414.64 <u>Address</u> : 1300 Milwaukee, W	oup I3.4235) W. Canal Street I 53233		
Engineer of R	ecord - Rosheen Styczinski	i, PLA	
	REVISIO	NS	
REV # D		DATE	=

SHEE

SHEET TITLE:

KEY PLAN

Grading & Paving Plan





GENERAL UTILITY NOTES

1. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF EXISTING UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR SHALL CONTACT "DIGGERS HOTLINE" FOR LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION AND SHALL BE RESPONSIBLE FOR PROTECTING UTILITIES FROM ANY DAMAGE DURING CONSTRUCTION. REPAIR OF ANY UTILITY DAMAGE SHALL BE PERFORMED AT CONTRACTOR'S EXPENSE.

2. LENGTHS OF ALL PROPOSED UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.

3. CONTRACTOR SHALL VERIFY ALL CONNECTIONS TO EXISTING UTILITIES AND ALL ELEVATIONS, LOCATIONS AND SIZES OF EXISTING AND PROPOSED SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY OWNER PRIOR TO PROJECT COMMENCEMENT, IF A CONFLICT IS FOUND AFTER PROJECT COMMENCEMENT, NOTIFY OWNER IMMEDIATELY. 4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND APPROVALS FOR UTILITY CONNECTIONS, INTO EXISTING SYSTEMS, FROM GOVERNING JURISDICTIONS. SUBMIT APPROVALS TO OWNER PRIOR TO CONSTRUCTION COMMENCEMENT.

5. STORM SEWER SPECIFICATIONS

PIPE - WITHIN ROW, PIPE SHALL BE RCP IN ACCORDANCE WITH CITY STANDARDS. WITHIN SUBJECT SITE, PIPE SHALL EITHER BE RCP OR HIGH DENSITY DUAL-WALL POLYETHENE CORRUGATED (HDPE) PIPE. RCP PIPE SHALL MEET THE REQUIREMENTS OF ASTM, CLASS III (MINIMUM) C-76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTM C-443. FOR PIPE WITH COVER LESS THAN 2 FEET, USE CLASS V RCP. HDPE PIPE SHALL BE AS MANUFACTURED BY HANCOR OR EQUAL, WITH WATER TIGHT JOINTS, DESIGN MANNING "N" VALUE OF 0.010, OR EQUAL, AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M-294 TYPE S.

CATCH BASINS - CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE CITY STANDARDS.

MANHOLES - MANHOLES SHALL BE CONSTRUCTED IN ACORDANCE WITH CITY STANDARDS.

BACKFILL AND BEDDING - STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS B BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL AND CLASS B BEDDING. LANDSCAPED AREAS MAY BE CLASS C BEDDING WITH COMPACTED SPOIL BACKFILL CONFORMING TO SECTION 6.43.5 OF THE "STANDARD SPECIFICATIONS." ALL BACKFILL/BEDDING SHALL BE COMPACTED BY MECHANICAL MEANS. STORM SEWER SERVICES SHALL TERMINATE WITH REMOVABLE, RUBBER COMPRESSION GASKETED PLUGS.

6. SANITARY SEWER SPECIFICATIONS CONSTRUCTION - IN ACCORDANCE WITH THE CHAPTER NR110 OF THE WISCONSIN ADMINISTRATIVE CODE, "STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN", AND CITY



ORDINANCES.

PIPE - SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212 CONNECTIONS - ALL LATERAL CONNECTIONS SHALL BE FABRICATED WYE CONNECTIONS AND ALL RISER CONNECTIONS SHALL BE FABRICATED TEE CONNECTIONS. SANITARY SERVICES SHALL TERMINATE WITH REMOVABLE, RUBBER COMPRESSION GASKETED PLUGS. LATERAL TERMINUS - SHALL BE MARKED WITH A 2 BY 4 HARDWOOD TIMBER EXTENDING FROM THE TERMINUS TO 2 FEET ABOVE GROUND, PERPENDICULAR TO GROUND SURFACE. THE TIMBER SHALL BE PAINTED GREEN. EACH LATERAL SHALL BE PROVIDED WITH A WATERPROOF AND LEAK PROOF STOPPER OR CAP SUBJECT TO APPROVAL OF THE CITY ENGINEER.

BEDDING AND COVER MATERIAL - BEDDING AND COVER MATERIAL SHALL BE CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 6.43.0 OF THE "STANDARD SPECIFICATIONS." BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 6.43.4 OF THE "STANDARD SPECIFICATIONS." GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 6.43.5 OF THE "STANDARD SPECIFICATIONS."

COMPACTION OF BACKFILL - ALL BACKFILL SHALL BE COMPACTED BY MECHANICAL COMPACTION AS SPECIFIED IN CHAPTER 2.6.14(B) OF THE "STANDARD SPECIFICATIONS". AT THE END OF THE WORKING DAY, OPEN EXCAVATIONS SHALL NOT EXCEED 25 FEET IN LENGTH AND SHALL BE BARRICADED OFF OR STEEL PLATED. TESTING - THE PIPE SHALL BE TESTED IN ACCORDANCE WITH CHAPTER 3.2.6(1)(4) FOR THE 5% DEFLECTION LIMIT. DEFLECTION TEST. AND FILE NO. 30. PART VII OF THE "STANDARD SPECIFICATIONS". ALL PIPE SHALL BE REQUIRED TO PASS THE LOW-PRESSURE AIR TEST AS SPECIFIED IN CHAPTER 3.7.0, LEAKAGE TEST OF SANITARY SEWERS, AND FILE NO. 31, PART VII "STANDARD SPECIFICATIONS".

7. WATER SEWER SPECIFICATIONS

WATER LINE AND APPURTENANCES CONSTRUCTION - IN IN ACCORDANCE WITH WATER MAIN & SERVICES LATERAL MATERIALS AND THE INSTALLATION OF WATER MAIN & APPURTENANCES FOR THE WAUKESHA WATER UTILITY DATED APRIL 22, 2024. PIPE - WATER MAIN SHALL BE DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF AWWA STANDARD C-900, CLASS 250 WITH CAST-IRON-PIPE FITTINGS AND INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS IN

IN ACCORDANCE WITH CITY SEWER AND WATER SPECIFICATIONS ADDENDUM, DATED JANUARY 2020. TRACER WIRE - TRACER WIRE SHALL REST DIRECTLY ON THE EAST OR NORTH SIDE OF PIPE AND BE SECURED WITH TAPE APPROXIMATELY EVERY 10 FEET.

_____ w _____ w ____ w ____ w ____ w

WATER LINE.

HYDRANTS, VALVES AND VALVE BOXES, FIXINGS, MARKERS, BEDDING, OCVER, AND BACKFILL - IN ACCORDANCE WITH CITY SPECIFICATIONS

DEFLECTIONS - GREATER THAN 1% MUST BE MADE WITH A MECHANICAL FITTING.

CONNECTION TO EXISTING MAIN - IN ACCORDANCE OF CITY SPECIFICATIONS.

INSULATION: INSTALL 4" THICK POLYSTYRENE INSULATION OVER ENTIRE LENGTH OF WATER SERVICE. IN ACCORDANCE WITH FILE 48 OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTURCTION IN WISCONSIN.

PIPE SHALL HAVE A MINIMUM COVER OF 6' OVER PIPE.

TESTING - ALL PIPE, FITTINGS, VALVES AND HYDRANTS SHALL BE TEXTED PER IN ACCORDANCE WITH CITY SEWER AND WATER SPECIFICATIONS ADDENDUM, DATED JANUARY 2020.

ALL BURIED METAL COMPONENTS SHALL BE DOMESTICALLY PRODUCED, DOUBLE-WRAPPED WITH POLYETHYLENE WRAP MEETING REQUIREMENTS OF CITY SPECIFICATION. INSTALLATION OF THE WRAP SHALL CONFORM TO CITY STANDARDS.

CONTRACTOR TO MAINTAIN MIN. PIPE SEPARATION PER STATE CODE. STORM SHALL BE A MINIMUM OF 6" VERTICALLY FROM SANITARY; STORM/SANITARY SHALL BE A MINIMUM OF 18" VERTICALLY FROM

9. CONTRACTOR TO NOTIFY CITY ENGINEERING DEPARTMENT 5-DAYS PRIOR TO WORK WITHIN THE CITY RIGHT-OF-WAY.

10. LIMITS OF FINAL STREET PAVEMENT AND CURB & GUTTER REMOVAL AND REPLACEMENTS TO BE MARKED BY CITY ENGINEERING STAFF IN THE FIELD.

11. PROVIDE A PRE AND POST CONSTRUCTION SEWER LATERAL VIDEO TO CITY FOR REVIEW AND APPROVAL. CONTACT THE CITY ENGINEERING DEPARTMENT FOR THE VIDEO FORMAT. IF LATERAL MAINTENANCE IS NEEDED, THEN THE LATERAL IMPROVEMENTS MAY NEED TO BE INCLUDED AS PART OF THIS PROJECT. THE LATERAL PIPE AND CONNECTION TO THE MAIN MAY NEED TO BE LINED OR RELAYED TO REDUCE INFILTRATION INTO THE CITY'S SANITARY SEWER SYSTEM OR IMPROVE THE STRUCTURAL INTEGRITY.



PROJECT	
PROJECT:	
Waukesha Water Utility	
1280 Chapman Drive	
OWNER: City of Waukesha	
PROJECT ISSUE DATE: April 8, 2025	
ARCHITECTS	5
10505 Corporate Drive, Pleasant Prairie, Wl phone: 262.857.8101 web: www.kuenya	53158 rch.com
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Project Manager - Lee Anderson P:262.945.7709	
CIVIL	
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Engineer of Record - Linda Johnson	
MEP	
RTM Engineering Consultants <u>Phone</u> : 414.273.1432 <u>Address</u> : 316 N. Milwaukee Street, Suite 560 Milwaukee, WI 53202	
Engineer of Record - Timothy Larsen, PE	
LANDSCAPE	
The SIgma Group <u>Phone</u> : 414.643.4235 <u>Address</u> : 1300 W. Canal Street Milwaukee, WI 53233	
Engineer of Record - Rosheen Styczinski, PLA	
REVISIONS	
REV # DESCRIPTION	DATE



KEY PLA

Utility Plan