



Madison Water Utility
119 E. OLIN AVE.
MADISON, WI 53713

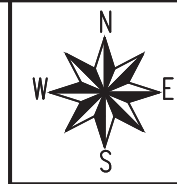
CITY OF MADISON

MADISON WATER UTILITY PUBLIC WORKS PLAN OF PROPOSED IMPROVEMENT

SHERMAN SHABAZZ PUBLIC IMPROVEMENTS

CITY PROJECT NO. 16157
CONTRACT NO. 9756

PROJECT LOCATION




CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□

PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE: 3/10/2026

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

 4/2/2026
Pete Holmgren, Chief Engineer Date
Madison Water Utility

WATER
DESIGNED BY:



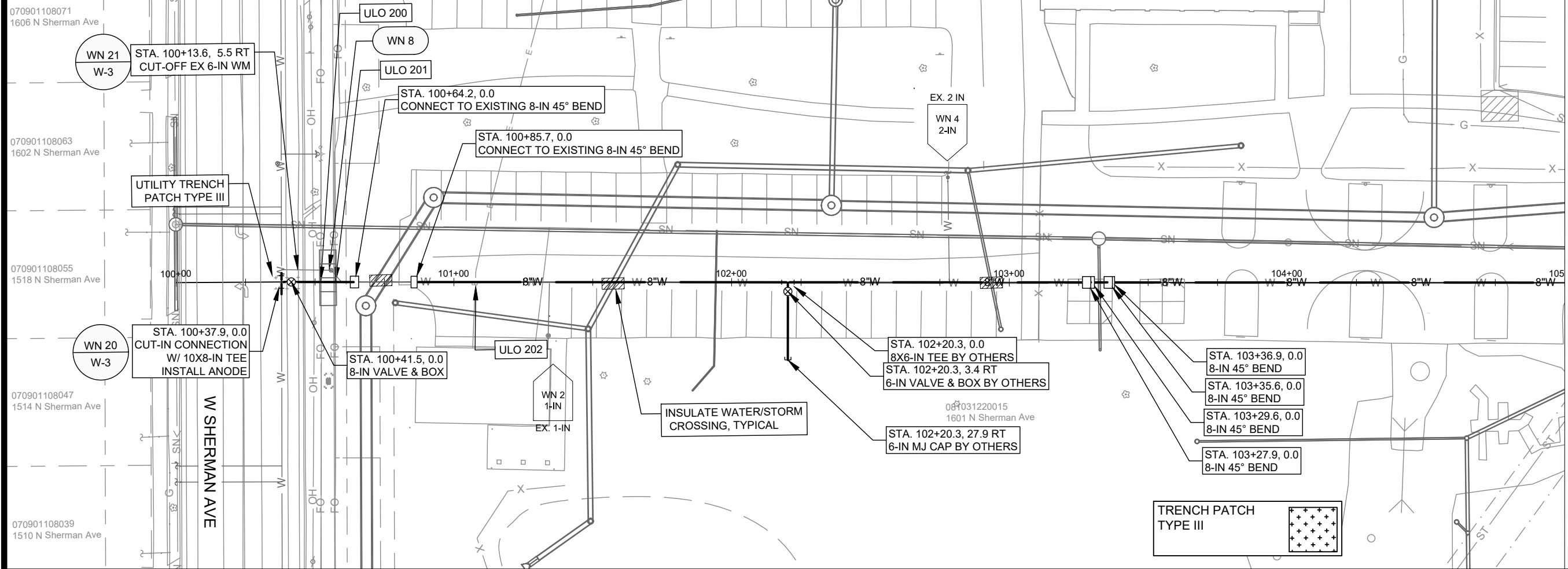
4/2/2026

PLOT SCALE: 1" = 1'

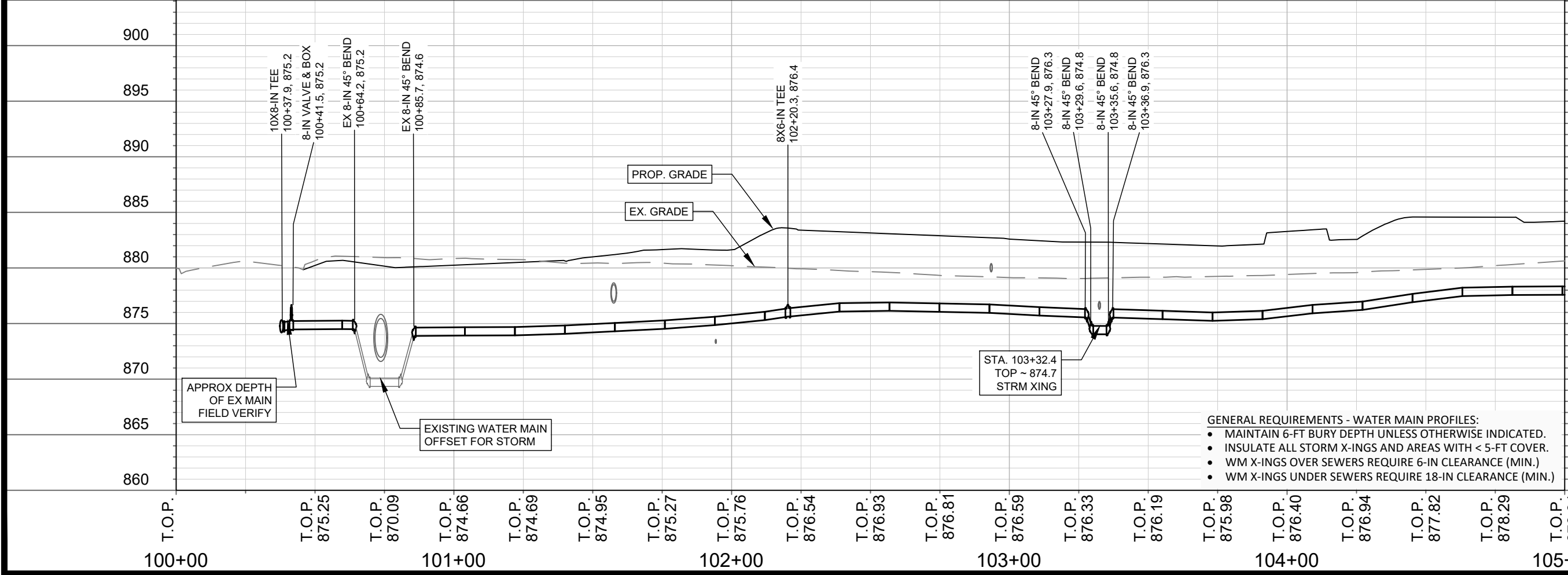
PLOT NAME: ---

REV. DATE: 3/19/2026 8:13 AM

ORIGINATOR: CITY_OF_MADISON



MATCH LINE STA. 105+00



- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

070901108071
1606 N Sherman Ave

070901108063
1602 N Sherman Ave

070901108055
1518 N Sherman Ave

070901108047
1514 N Sherman Ave

070901108039
1510 N Sherman Ave

W SHERMAN AVE

ULO 200

WN 8

ULO 201

STA. 100+13.6, 5.5 RT
CUT-OFF EX 6-IN WM

STA. 100+64.2, 0.0
CONNECT TO EXISTING 8-IN 45° BEND

STA. 100+85.7, 0.0
CONNECT TO EXISTING 8-IN 45° BEND

UTILITY TRENCH
PATCH TYPE III

EX. 2 IN
WN 4
2-IN

STA. 100+37.9, 0.0
CUT-IN CONNECTION
W/ 10X8-IN TEE
INSTALL ANODE

WN 20
W-3

STA. 100+41.5, 0.0
8-IN VALVE & BOX

ULO 202

WN 2
1-IN

EX. 1-IN

INSULATE WATER/STORM
CROSSING, TYPICAL

STA. 102+20.3, 0.0
8X6-IN TEE BY OTHERS

STA. 102+20.3, 3.4 RT
6-IN VALVE & BOX BY OTHERS

081031220015
1601 N Sherman Ave

STA. 102+20.3, 27.9 RT
6-IN MJ CAP BY OTHERS

STA. 103+36.9, 0.0
8-IN 45° BEND

STA. 103+35.6, 0.0
8-IN 45° BEND

STA. 103+29.6, 0.0
8-IN 45° BEND

STA. 103+27.9, 0.0
8-IN 45° BEND

TRENCH PATCH
TYPE III

900

890

880

870

860

T.O.P.

100+00

101+00

102+00

103+00

104+00

105+00

875.25

870.09

874.66

874.69

874.95

875.27

875.76

876.54

876.93

876.81

876.59

876.33

876.19

875.98

876.40

876.94

877.82

878.29

878.34

10X8-IN TEE
100+37.9, 875.2

8-IN VALVE & BOX
100+41.5, 875.2

EX 8-IN 45° BEND
100+64.2, 875.2

EX 8-IN 45° BEND
100+85.7, 874.6

8x6-IN TEE
102+20.3, 876.4

8-IN 45° BEND
103+27.9, 876.3

8-IN 45° BEND
103+29.6, 874.8

8-IN 45° BEND
103+35.6, 874.8

8-IN 45° BEND
103+36.9, 876.3

STA. 103+32.4
TOP ~ 874.7
STRM XING

PROP. GRADE

EX. GRADE

APPROX DEPTH
OF EX MAIN
FIELD VERIFY

EXISTING WATER MAIN
OFFSET FOR STORM

MARK	REVISION	DATE	BY

16157

MADISON, WI

9756

CONTRACT NO:

16157

Designed By: R/JN Date: 4/27/2026 2:06 PM Scale: 1" = 40'

W-1

UTILITY EASEMENT - WATER PLAN & PROFILE

SHERMAN SHABBAZ PUBLIC IMPROVEMENTS

M:\DESIGN\Projects\16157\CAD\Water\16157_WU-Water.dwg

16157

W-1

CONSTRUCTION NOTES:

- | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------|--|------|---|------|--|------|---|------|-------------------------------------|------|---------------------------------------|------|---|------|------------------------|------|---|-------|-------------------------------------|-------|---|--------|---|
| <ol style="list-style-type: none"> 1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM CROSSINGS AND OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER. 2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED. 3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE. | <table border="0"> <tr><td>WN-1</td><td>REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</td></tr> <tr><td>WN-2</td><td>EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</td></tr> <tr><td>WN-3</td><td>EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</td></tr> <tr><td>WN-4</td><td>DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</td></tr> <tr><td>WN-5</td><td>RELOCATE THE EXISTING FIRE HYDRANT.</td></tr> <tr><td>WN-6</td><td>ABANDON WATER VALVE ACCESS STRUCTURE.</td></tr> <tr><td>WN-7</td><td>FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</td></tr> <tr><td>WN-8</td><td>ABANDON THE VALVE BOX.</td></tr> <tr><td>WN-9</td><td>FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</td></tr> <tr><td>WN-10</td><td>REMOVE AND SALVAGE EXISTING HYDRANT</td></tr> <tr><td>WN-11</td><td>REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</td></tr> <tr><td>WN-20+</td><td>SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</td></tr> </table> | WN-1 | REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE. | WN-2 | EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN. | WN-3 | EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF. | WN-4 | DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN. | WN-5 | RELOCATE THE EXISTING FIRE HYDRANT. | WN-6 | ABANDON WATER VALVE ACCESS STRUCTURE. | WN-7 | FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE. | WN-8 | ABANDON THE VALVE BOX. | WN-9 | FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL. | WN-10 | REMOVE AND SALVAGE EXISTING HYDRANT | WN-11 | REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE | WN-20+ | SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION. |
| WN-1 | REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE. | | | | | | | | | | | | | | | | | | | | | | | | |
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| WN-3 | EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-4 | DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-5 | RELOCATE THE EXISTING FIRE HYDRANT. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-6 | ABANDON WATER VALVE ACCESS STRUCTURE. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-7 | FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-8 | ABANDON THE VALVE BOX. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-9 | FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-10 | REMOVE AND SALVAGE EXISTING HYDRANT | | | | | | | | | | | | | | | | | | | | | | | | |
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| WN-20+ | SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION. | | | | | | | | | | | | | | | | | | | | | | | | |

WATER UTILITY ULO SCHEDULE

ULO	UTILITY	STATION	OFFSET	SHEET
200	FIBER OPTICS	100+28.1	2.0 RT	W-1
201	FIBER OPTICS	100+32.6	2.0 RT	W-1
202	ELECTRIC	100+85.4	1.2 RT	W-1
203	GAS	105+84.6	8.8 RT	W-2

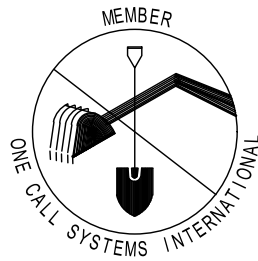
***ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

PAY ITEM ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	40	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	600	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	2	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	2	EACH
70040	FURNISH AND INSTALL AND SALVAGE HYDRANT	1	EACH
70056	RECONNECT 1-INCH SERVICE LATERAL	1	EACH
70058	RECONNECT 2-INCH SERVICE LATERAL	1	EACH
70080	CUT-IN OR CONNECT TO EXISTING WATER MAIN SYSTEM	2	EACH
70082	CUT-IN OFF EXISTING WATER MAIN	1	EACH
70101	FURNISH AND INSTALL STYROFOAM	5	EACH
70111	FURNISH AND INSTALL ANODE	2	EACH

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

CALL DIGGERS HOTLINE TOLL FREE 811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

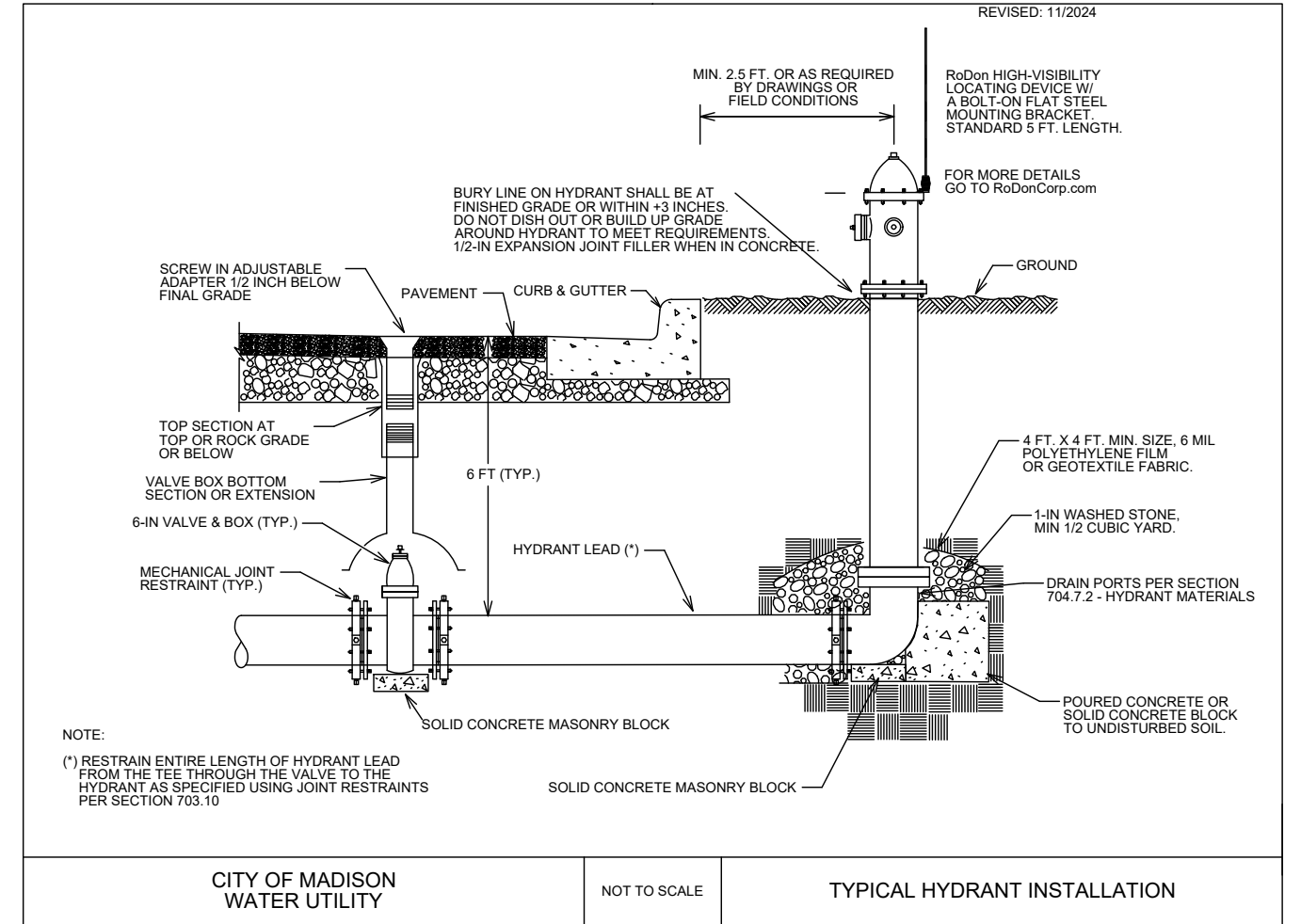


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04
REVISED: 11/2024



CITY OF MADISON
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

16157	MADISON, WI	9756	CONTRACT NO:	W-4
WATER ESTIMATE OF MATERIALS				
SHERMAN SHABBAZ PUBLIC IMPROVEMENTS				
M:\DESIGN\Projects\16157\CAD\Water\16157_WU-Materials.dwg				
16157				
W-4				