



# Waukesha Water Utility

SERVING WAUKESHA SINCE 1886

115 DELAFIELD STREET  
WAUKESHA, WI 53188-3615

Telephone: (262) 521-5272 • Fax: (262) 521-5265 • E-mail: [contactus@waukesha-water.com](mailto:contactus@waukesha-water.com)

## **MEMORANDUM**

Date: July 11, 2019

To: Dan Duchniak, P.E.

From: Chris Walter, P.E.

Re: Fox Lake Addition No. 3 – Water Main Extension

On April 30, 2019, Greg Walsh requested a water main extension for Fox Lake Village Addition No. 3. This is the third phase of a development located in the southwest corner of the City near the intersection of Lawnsdale Road and River Road. They are proposing to extend approximately 1,725 feet of 8-inch and 12-inch water main. All design comments have been addressed and approved by the Utility. The fact sheet is also enclosed with this memo.

***Recommended Motion:*** Move to approve of the water main extension request for Fox Lake Village Addition No. 3, at no cost the Utility.

Enc.

Waukesha Water Utility  
P.O. Box 1648  
Waukesha, WI 53187-1648  
Phone: 262-901-5886  
Email: [cwalter@waukesha-water.com](mailto:cwalter@waukesha-water.com)

A) CENTER OF SECTION  
SEC 29-6-19  
CONC. MON.  
W/BRASS CAP FND  
N 351,689.01  
E 2,461,101.58  
EL = 8.808 (789.366)

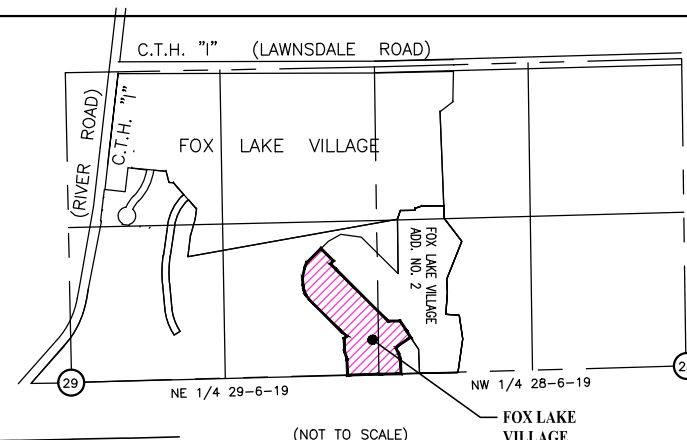
B) EAST 1/4 CORNER  
SEC 29-6-19  
CONC. MON.  
W/BRASS CAP FND  
N 351,759.78  
E 2,463,743.72  
EL = 19.982 (800.54)

### GENERAL NOTES:

1. Survey documentation tie to NAD 1927 State Plane Wisconsin South coordinate system (horizontal) and City of Waukesha datum (vertical). Elevations shown are based on City of Waukesha datum which are obtained by subtracting the conversion factor of 780.558 from National Geodetic Vertical Datum (NGVD) 1929 datum.



















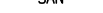

















2. All site improvements and construction shown on the plans shall conform to the current City of Waukesha Design and Construction Manual. Where the plans do not comply, it shall be the sole responsibility and expense of the Developer to make revisions to the plans and/or constructed infrastructure to comply. Legend shown herein in lieu of call outs on individual sheets.

CONSTRUCTION PLANS  
FOR  
FOX LAKE VILLAGE ADDITION NO. 3  
CITY OF WAUKESHA, WISCONSIN



SHEET TITLE	SHEET NUMBER
COVER SHEET	C000
MASTER GRADING PLANS	C100 - C105
STORM SEWER SYSTEM PLANS	C200 - C203
ROADWAY PLANS	C300 - C305
STORM SEWER PROFILE PLANS	C400 - C401
SANITARY SEWER PLANS	C500 - C504
WATERMAIN PLANS	C600 - C605
INTERSECTION DETAIL PLANS	C700 - C701
LIGHTING & SIGNAGE PLAN	C800
EROSION CONTROL & CONSTRUCTION SEQUENCE PLAN	C900
DETAILS & SPECIFICATIONS	C1000 - C1001
WHITE DEER TRAIL CROSS SECTIONS	X1-X11
SAUK TRAIL CROSS SECTIONS	X30-X35

## LEGEND

-  SECTION CORNER MONUMENT  
 FOUND 1" IRON PIPE OR AS NOTED  
 POST  
 UTILITY POLE  
 GUY POLE  
 GUY WIRE  
 CULVERT  
 UTILITY PEDESTAL  
 ELECTRIC PEDESTAL  
 SEPTIC FACILITY  
 SEPTIC CLEANOUT  
 TV MANHOLE  
 YARD LIGHT  
 INLET  
 SOIL TEST LOCATION W/ ELEV.  
 WELL  
 FENCE  
 RECORD DIMENSION  
 SANITARY SEWER  
 STORM SEWER  
 WATERMAIN  
 OVERHEAD POWER/UTILITY  
 UNDERGROUND GAS  
 UNDERGROUND ELECTRIC  
 UNDERGROUND CABLE  
 EXISTING SPOT ELEVATION  
 EXISTING CONTOUR  
 PROPOSED SPOT ELEVATION  
 PROPOSED CONTOUR  
 PROPOSED DRAINAGE DIRECTION  
 PROPOSED YARD GRADE (YG+0.67=TOP OF FOUNDATION WALL)  
 PROPOSED EXPOSURE GRADE  
 3-6" RIPRAP & FABRIC  
 SEE DETAIL SHEET C1000  
 SEE SHEET C203  
 SEE DETAIL SHEET C1001

**FOX LAKE —  
VILLAGE  
ADDITION No.1**

**FIRE ACCESS  
ROUTE**

**FOX LAKE —  
VILLAGE  
ADDITION No.4  
(55 Lots)**

**- FOX LAKE  
VILLAGE  
ADDITION No.5  
(20 Lots)**

**— FOX LAKE  
VILLAGE  
ADDITION No.3  
(23 Lots)**

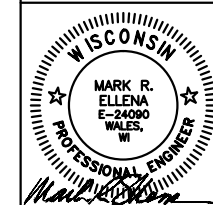
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**ELLENA ENGINEERING CONSULTANTS, LLC**  
SITE CIVIL ENGINEERING & STORMWATER MANAGEMENT

700 Pilgrim Parkway - Suite 100 Elm Grove, WI 53122  
Phone: 262-719-6183 Fax: 866-457-2584 Email: [mellena@eecneng.com](mailto:mellena@eecneng.com)

FOX LAKE ADDITION No. 3  
CITY OF WAUKESHA, WI

# COVER SHEET



DATE: 02-22-19  
DESIGNED BY: MARK R. ELLENA, P.E.  
SCALE: 1"=400' (11X17)

SHEET NUMBER
C000

# Main Replacement Request - Fact Sheet

**Street Name:** Fox Lake Village - Addition No. 3

**Developer/Owner:** Greg Walsh

**Job Number:** M00540

## Engineering Data

Street/Easement:	From:	To:	Size	Length (Feet)
Sauk Trail			12	595
White Deer Trail			8	1,130
<b>Total Footage.....Water Main Extension</b>				<b>1,725</b>

## Cost Summary

<b>Total Utility Cost</b> (incl bid, fees and labor)	\$0.00 /ft	<b>\$0</b>
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### **Details:**

This water main extension includes approximately 1725 feet of 8-inch and 12-inch water main, and is in the Central pressure zone.