Wastewater Treatment Report

Waterside (to be Replatted as Waterside at Lake Woodmoor)

El Paso County, Colorado

Prepared for:

La Plata Communities, Inc. 9540 Federal Drive, Suite 200 Colorado Springs, Colorado 80921

Similar comments on water report. Commitment letter needs to be updated with a specific wastewater load committed to.

Prepared by:



1604 South 21st Street Colorado Springs, Colorado 80904 (719) 630-7342

Kiowa Project No. 22027 June 15, 2022

I. Introduction

All utility design for the proposed development has been performed in accordance with the Woodmoor Water and Sanitation District No. 1 Rules and Regulations, Woodmoor Water and Sanitation District No. 1 System Specifications, and the El Paso County Land Development Code. Supporting design calculations are included in the Appendix A of this report.

II. Project Description

Waterside is a planned residential development located in northern El Paso County, Colorado. The project is planned as a townhome community. The site is located in a portion of the West Half of the Southeast Quarter of Section 11, Township 11 South, Range 67 West of the 6th Principal Meridian. The property is currently platted as the Waterside Condominiums in accordance with the declaration recorded on February 13, 1981 in Book 3403-722 and the condominium map recorded on February 13, 1981 in Plat Book 2-47. The property is currently undeveloped and covers a total of approximately 7.53 acres. The property will be platted/replatted as 'Waterside at Lake Woodmoor'. The streets will be private and 52 townhouse lots will be developed. With the platting of Waterside at Lake Woodmoor, water and wastewater mains and services within the property will be constructed.

III. Sanitary Sewer Collection System

The proposed sanitary sewer collection system for Waterside at Lake Woodmoor will be connected to the existing WWSD sanitary sewer main located southeast of the intersection of Deer Creek Road and Woodmoor Drive with new mains with service connections generally following the private roads of the project. The proposed sanitary sewer collection system will be comprised of existing and new 8-inch PVC public gravity sewer constructed per WWSD Standards and Specifications.

Wastewater flow calculations, which are contained in Appendix A of this report, indicate that the new 8-inch PVC sanitary sewer will be adequate for the Waterside at Lake Woodmoor gravity sewer system. The Utility Plan is included in the Appendix of this report and shows the locations of the existing and proposed sewer lines and associated appurtenances.

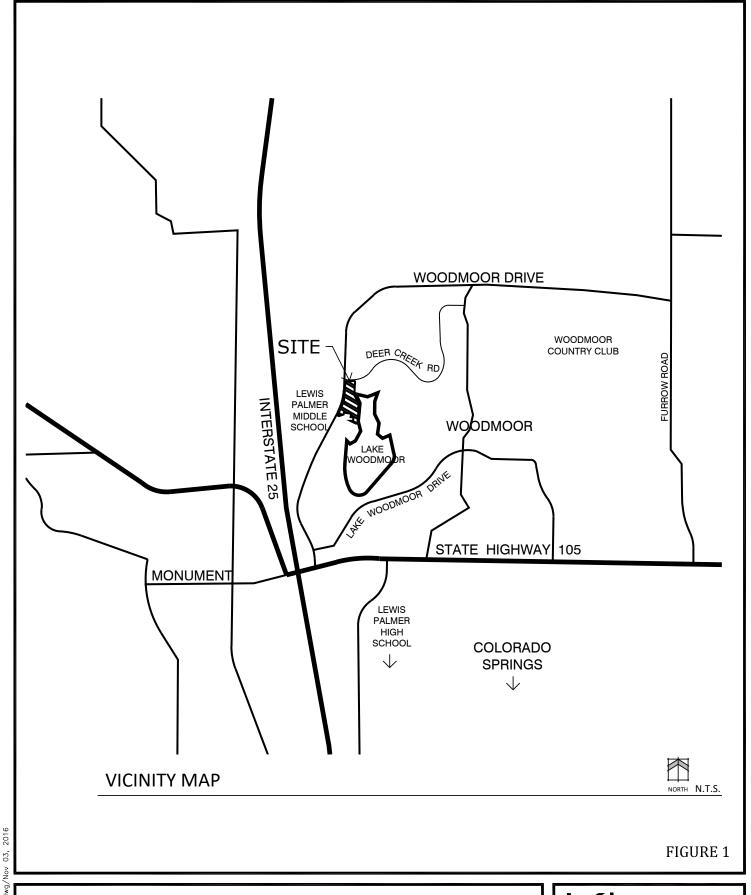
IV. Wastewater Collection and Treatment

The sanitary sewer collection system to be constructed as part of the Waterside at Lake Woodmoor development is comprised of 8 inch PVC public gravity sewer. The collection system within Waterside at Lake Woodmoor is anticipated for WWSD is summarized in Section 4.0 of the District's Long Range Plan (LRP). The complete LRP has not been included in this report. Contained within Appendix B are letters that address a commitment to serve the subdivision from the District.

Wastewater conveyed by the existing WWSD's collection system outfalls to the Tri-Lakes Wastewater Treatment Plant. A description of the Plant's current operation and future projects is contained within the LRP. The Plant has adequate capacity to treat and discharge wastewater flows generated by Waterside at Lake Woodmoor in conformance with current CDPHE standards and regulations.

APPENDIX A

Vicinity Map Woodmor District Overview Map Water Demand Calculations Wastewater Calculations

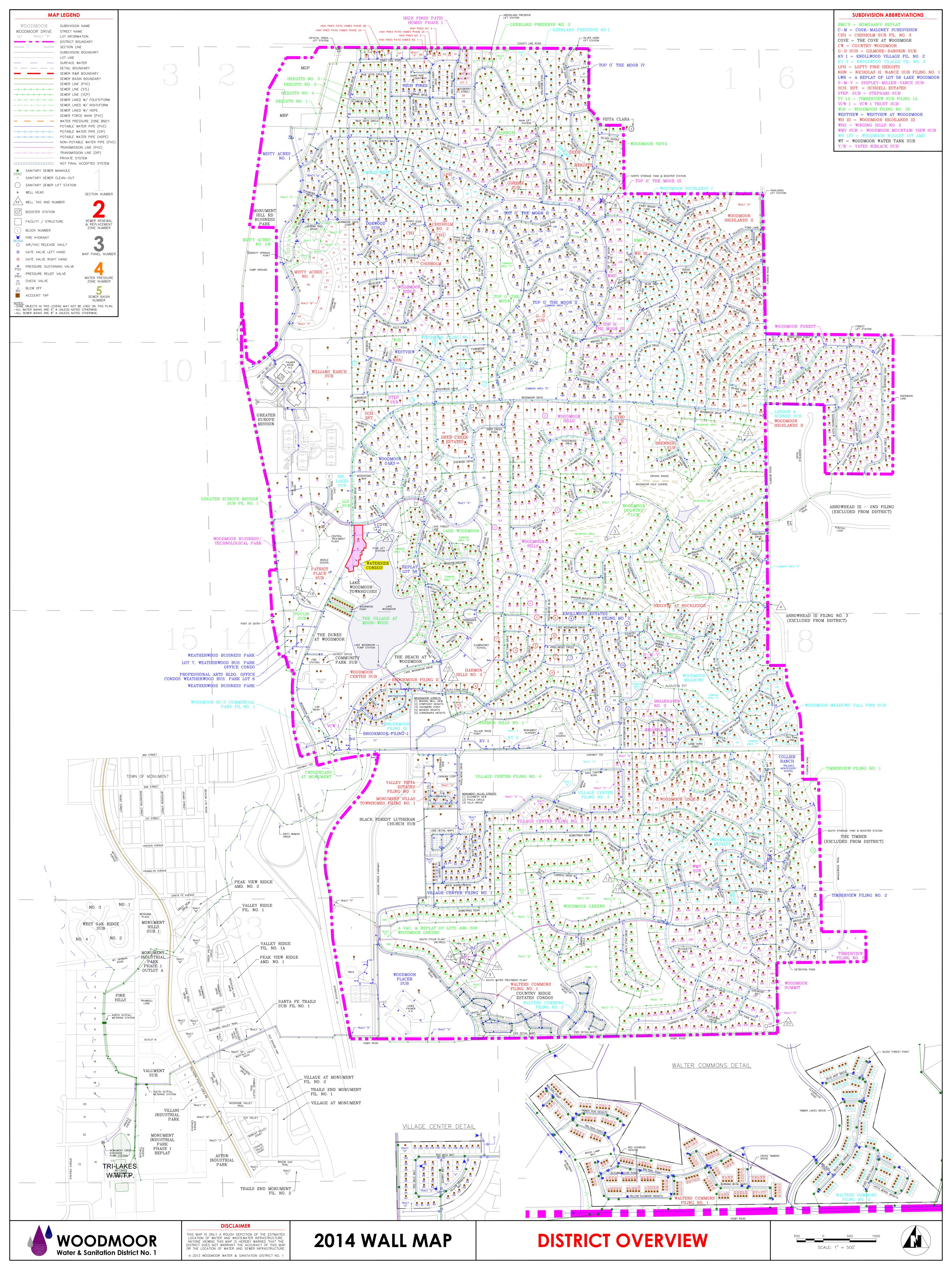


Waterside

Vicinity Map El Paso County, Colorado

PROJECT NO. 15073





North Bay at Lake Woodmoor

Wastewater Calculations

Single-Family	52 units	
Persons per Dwelling Unit	3.5 persons	_
	182 persons	-
1 Person =	100 gpd	
Average Daily Flow (ADF) =	18,200 gpd	ADF = persons x gpd
Peak Flow Factor =	4	_
Peak Hourly Flow (PHF) =	72,800 gpd	PHF = ADF x Peak Flow Factor
Single-Family PHF =	51 gpm	

APPENDIX B

Woodmoor Water and Sanitation District Commitment Letters P.O. Box 1407 • Monument, Colorado 80132 Phone (719) 488-2525 • Fax (719) 488-2530

May 11, 2022

To: La Plata Communities, Inc

Attn: Beth Diana

La Plata Communities, Inc 9540 Federal Drive, Suite 200 Colorado Springs, CO 80921

RE: Water & Wastewater Service Commitment – Waterside Condominiums

El Paso County Parcel Numbers: 7111404113 - 7111404194

Dear Ms. Diana:

The above referenced development is currently located within the service boundaries of the Woodmoor Water and Sanitation District No. 1 (the District). The District is committed to providing water and sewer services to the development in accordance with all District rules, regulations, specifications and policies regarding water and wastewater service.

If you should have any questions or need further assistance, please contact me.

Sincerely,

Jessie J. Shaffer District Manager

Cc: Ariel Hacker – District Engineer

Dan LaFontaine - Operations Superintendent

Appendix C
Water Supply Summary

FORM NO. GWS-76 05/2011

WATER SUPPLY INFORMATION SUMMARY

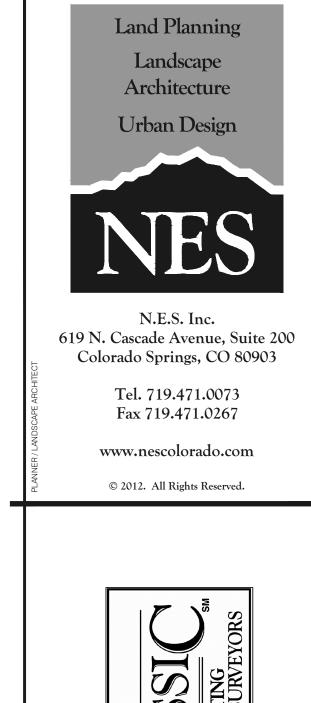
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

1313 Sherman St., Room 821, Denver, CO 80203 Main (303) 866-3581 dwr.colorado.gov

		Ma	ain (303)	866-3581 <u>dw</u>	<u>rr.colorado.gov</u>		
		,(d), C.R.S. requires that th					
1 NAME OF D	sufficient in terms of EVELOPMENT AS I	of quantity, quality, and dep	endabilit	y will be availal	ole to ensure an ad	dequate supply of w	ater."
T. TWANE OF B	North Bay at Lake Woodmoor						
2. LAND USE A	ACTION: PUD De	velopment Plan/Prelim	inary P	lan			
3. NAME OF E	XISTING PARCEL A	AS RECORDED:					
	N: Waterside Co				, FILING (UNIT)		, LOT
4. TOTAL ACR	EAGE: 7.53	5. NUMBER OF LOTS	PROPO	SED 52	PLAT MAP	ENCLOSED?	∕ES or ⊠ NO
		ach copies of deeds, plats,			cumentation.		
·		unty prior to June 1, 1972?			_		
-	•	t of a division of land action	n since Ju	une 1, 1972?] YES or ⊠ NO		
	scribe the previous						
		de a map delineating the pr	T	······			
		ction 11, Township 1			nge <u>6/</u> ∐ E o	or [X] W	
·	,	one): XSixth New Mexic					
Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N, ☐ Zone 12 or ☐ Zone 13				Easting:			
must be me	Datum must be	- NADOS, Office must be set to	o true in	, <u> </u>		Northing:	
8. PLAT – Loca	ation of all wells on p	roperty must be plotted and	d permit ı	numbers provid	ed.		
-		O If not, scaled hand dra	awn sket				
9. ESTIMATED	WATER REQUIRE	MENTS		10. WATER S	SUPPLY SOURCE		
	USE	WATER REQUIREMEN	ITS	☐ EXISTING ☐ DEVELOPED	□NEW WELLS -		
		Gallons per Day Acre-Feet per Year		PROPOSED AQUIFERS	- (CHECK ONE)		
HOUSEHOLD US	E # 52 of units	0.342		WELL PERMIT NUMBERS	☐ ALLUVIAL	☐ UPPER ARAPAHOE	
COMMERCIAL II	SE # of S. F					☐ UPPER DAWSON	☐ LOWER ARAPAHOE
	<u> </u>					☐ LOWER DAWSON	☐ LARAMIE FOX HILLS
	_					☐ DENVER	☐ DAKOTA
IRRIGATION #	of acres					OTHER:	
OTOOK WATER!	NO "			☐ MUNICPAL			
STOCK WATERII	NG # of head			☐ ASSOCIATION	NC	WATER COURT D	ECREE CASE
OTHER:				☐ COMPANY		NUMBERS:	
TOTAL		17.784	<u>*</u>	□ DISTRICT			
		* Includes Irriga	tion	NAME Wood			
moradoo migaton				MMITMENT FOR			
11 WAS AN FI	NGINEER'S WATER	<u>l</u> R SUPPLY REPORT DEVE	LOPED?	SERVICE X Y	ES or ∐ NO NO IF YES PLEAS	_ SE FORWARD WIT	TH THIS FORM
		ir review is completed.)	LOI LD:	M 150 01 🗆	11011 120,1227	OL I OKWARD WII	TT TTIIO T OILIW.
12. TYPE OF S	SEWAGE DISPOSAL	SYSTEM					
☐ SEPTIC	TANK/LEACH FIEI	_D					
				DISTRICT	Г NAME:		
☐ LAGOC	N			☐ VAULT		LED TO:	
LOCATION SEWAGE HAULED TO:							
		☐ OTHER:					

Appendix D Preliminary Utility Plan





WATERSIDE TOWNHOMES Preliminary/Final PUD Site Plan

Monument, Colorado

_	PROJECT INFO	DATE: PROJECT MGR: PREPARED BY:	JULY 29, 2021 M. Whorton R. Aragon
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4. FIRE HYDRANT LATERALS ARE 6" DIA.

NOTES:

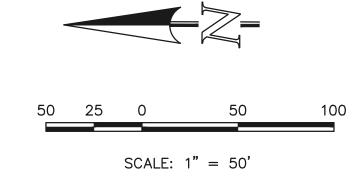
5 ALL LOTS PLATTED WITH 5' SIDE YARD II'

 THE UTILITY SIZES SHOWN HEREON ARE PRELIMINARY AND SUBJECT TO CHANGE DURING THE FINAL DESIGN PROCESS.

ALL PROPOSED ROADWAYS SHOWN HEREON ARE PUBLIC.

3. ALL WATER AND SEWER LINES SHOWN HEREON ARE 8" DIAMETER UNLESS LABELED OTHERWISE.

- ALL LOTS PLATTED WITH 5' SIDE YARD UTILITY EASEMENTS AND 5' FRONT AND 7' REAR YARD UTILITY EASEMENT, UNLESS OTHERWISE NOTED.
- ALL CORNER LOTS PLATTED WITH 25' SIGHT TRIANGLE TO MEET TOWN STANDARDS UNLESS OTHERWISE SHOWN.
- NO SEPARATE IRRIGATION TAPS FOR INDIVIDUAL LOTS
- CURB AND GUTTER TRANSITIONS ARE TYPICAL AT 4-WAY AND TEE INTERSECTIONS OF RESIDENTIAL STREETS AND DOWN DRAINING CUL-DE-SACS.



LEGEND:

DESCRIPTION EXISTING FIRE HYDRANT

PROPOSED FIRE HYDRANT

PROPOSED WATER MAIN
PROPOSED SANITARY SEWER
BOUNDARY
PROPOSED STORM PIPE

PROPOSED STORM PIPE
EXISTING SANITARY
EXISTING WATER W/EX. VALVE

*	
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<u>SYMBOL</u>

PRELIMINARY UTILITY PLAN

DESCRIPTION:

OF 15