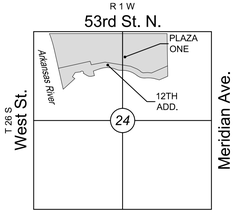
PLOTTED: Friday, June 13, 2025 @ 09:07AM

Soil Type:
The Hydraulic Soil Group (HSG) for selection of runoff curve numbers (CN) is HSG "D".

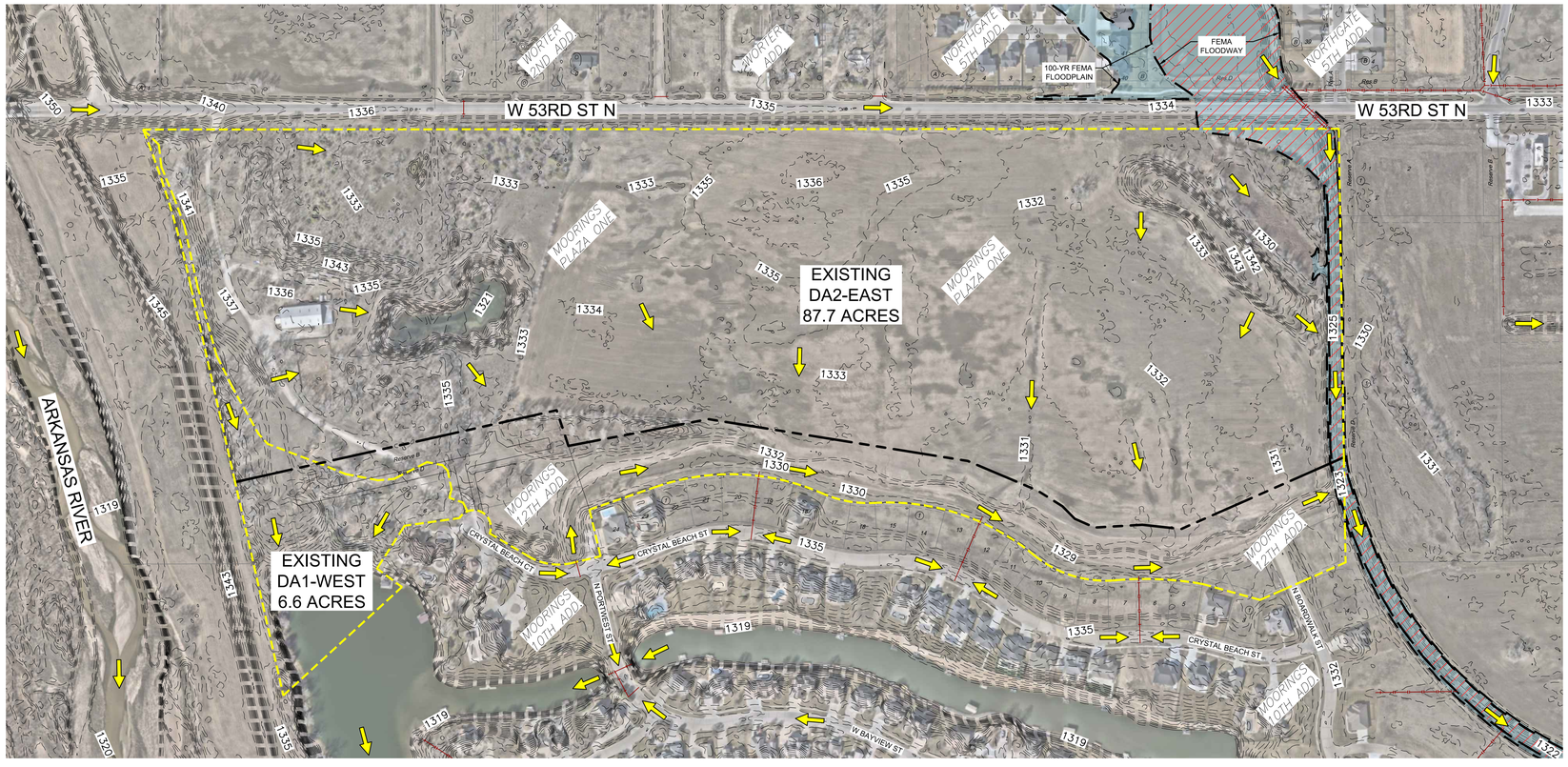
National Wetlands Inventory:
A riverine stream is located on the northeast side of the site with freshwater emergent wetlands. A lake is located at the southwest side of the site with freshwater emergent wetlands.

Flood Insurance Rate Map (FIRM):
FEMA FIRM Panel 20173C0194GF dated December 22, 2016. FEMA Flood Zone AE at the northeast portion of the site associated with Meridian Ditch. These base flood elevations range from 1329-1330. The lake at the southwest of the site is Zone AH with an elevation of 1321. The remaining area of the site are in Zone X, area protected by levee.

Hydrologic Methods:
SCS Curve Number Methods, Type II 24 Hour Rainfall from the Wichita Drainage Manual Volume 2, Chapter 4 dated November 14, 2013. Time of concentration by TR-55 Method.



VICINITY MAP



STORM WATER RUNOFF DATA (PREDEVELOPED CONDITIONS)									
	Area (acre)	Tc (min)	CN	2-Yr (cfs)	5-Yr (cfs)	10-Yr (cfs)	25-Yr (cfs)	50-Yr (cfs)	100-Yr (cfs)
Existing DA1- West	6.6	18	84	14.1	19.8	24.8	32.1	38	44.3
Existing DA2- East	87.7	69.6	84	81	114	144	187	222	259

N

SCALE: 1" = 200'
0 200 400

LEGEND

- FLOW ARROW
- DRAINAGE AREAS
- 1330 - EXISTING CONTOURS
- EXISTING SWS
- PROPERTY BOUNDARY

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ASHTON BRIANNE WIEBERT
LICENSED
30248
06/12/26
KANSAS
PROFESSIONAL ENGINEER

EXISTING DRAINAGE MAP FOR
MOORINGS PLAZA ONE & 12TH ADD.
WICHITA, KANSAS

EXISTING DRAINAGE MAP
%%

PROJECT NO, 2301010365
SCALE 1" = 200'

DRAWN	DESIGNED	CHECKED
WAD	ABW	ABW

NO.	REVISION	DATE

SHEET NO.
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01 OF 02

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J:\PROJECTS\2023\2301010365_MOORINGS PLAZA ONE\00 230365 CAD\SHTS\05 CIVIL\DRNG\230365_05_EXIST DRAINAGE MAP.DWG