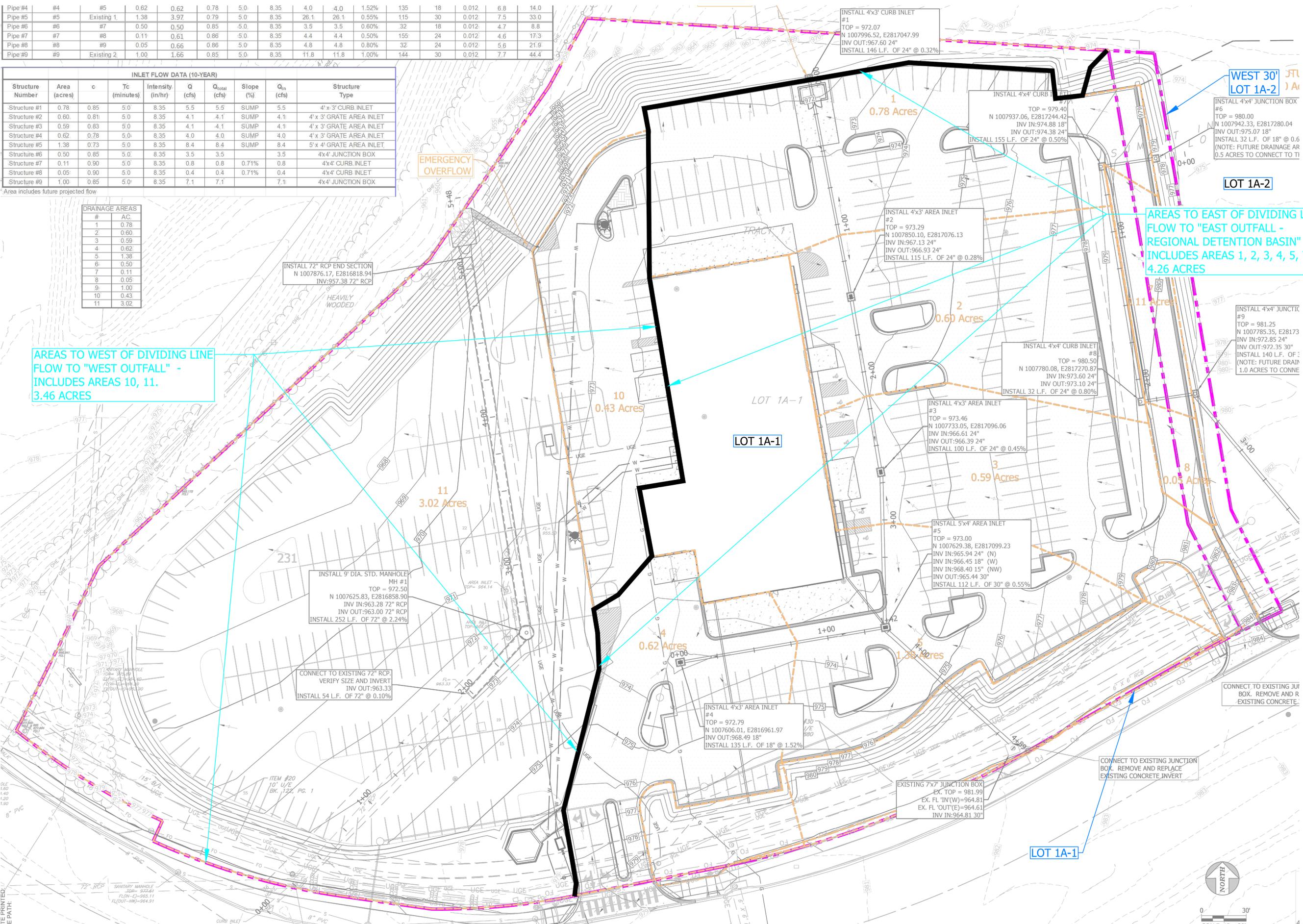


Pipe #	Area (acres)	c	Tc (minutes)	Intensity (in/hr)	Q (cfs)	Q _{total} (cfs)	Slope (%)	Q _{in} (cfs)	Structure Type						
Pipe #4	#4	#5	0.62	0.62	0.78	5.0	8.35	4.0	4.0	1.52%	135	18	0.012	6.8	14.0
Pipe #5	#5	Existing 1	1.38	3.97	0.79	5.0	8.35	26.1	26.1	0.55%	115	30	0.012	7.5	33.0
Pipe #6	#6	#7	0.50	0.50	0.85	5.0	8.35	3.5	3.5	0.60%	32	18	0.012	4.7	8.8
Pipe #7	#7	#8	0.11	0.61	0.86	5.0	8.35	4.4	4.4	0.50%	155	24	0.012	4.6	17.3
Pipe #8	#8	#9	0.05	0.66	0.86	5.0	8.35	4.8	4.8	0.80%	32	24	0.012	5.6	21.9
Pipe #9	#9	Existing 2	1.00	1.66	0.85	5.0	8.35	11.8	11.8	1.00%	144	30	0.012	7.7	44.4

INLET FLOW DATA (10-YEAR)									
Structure Number	Area (acres)	c	Tc (minutes)	Intensity (in/hr)	Q (cfs)	Q _{total} (cfs)	Slope (%)	Q _{in} (cfs)	Structure Type
Structure #1	0.78	0.85	5.0	8.35	5.5	5.5	SUMP	5.5	4'x3' CURB INLET
Structure #2	0.60	0.81	5.0	8.35	4.1	4.1	SUMP	4.1	4'x3' GRATE AREA INLET
Structure #3	0.59	0.83	5.0	8.35	4.1	4.1	SUMP	4.1	4'x3' GRATE AREA INLET
Structure #4	0.62	0.78	5.0	8.35	4.0	4.0	SUMP	4.0	4'x3' GRATE AREA INLET
Structure #5	1.38	0.73	5.0	8.35	8.4	8.4	SUMP	8.4	5'x4' GRATE AREA INLET
Structure #6	0.50	0.85	5.0	8.35	3.5	3.5	SUMP	3.5	4'x4' JUNCTION BOX
Structure #7	0.11	0.90	5.0	8.35	0.8	0.8	0.71%	0.8	4'x4' CURB INLET
Structure #8	0.05	0.90	5.0	8.35	0.4	0.4	0.71%	0.4	4'x4' CURB INLET
Structure #9	1.00	0.85	5.0	8.35	7.1	7.1		7.1	4'x4' JUNCTION BOX

Area includes future projected flow

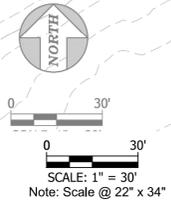
DRAINAGE AREAS	
#	AC
1	0.78
2	0.60
3	0.59
4	0.62
5	1.38
6	0.50
7	0.11
8	0.05
9	1.00
10	0.43
11	3.02



AREAS TO WEST OF DIVIDING LINE
FLOW TO "WEST OUTFALL" -
INCLUDES AREAS 10, 11.
3.46 ACRES

AREAS TO EAST OF DIVIDING LINE
FLOW TO "EAST OUTFALL -
REGIONAL DETENTION BASIN" -
INCLUDES AREAS 1, 2, 3, 4, 5, 7, 8
4.26 ACRES

EXHIBIT 3: FUTURE DRAINAGE BOUNDARIES



4501 NW Oakley Ave, Suite 232 | Topeka, KS 66618
Phone: 785.806.2806 | www.unitedeng.com

NO.	DESCRIPTION	DATE

FUTURE DRAINAGE BOUNDARIES
LEE'S SUMMIT HYUNDAI
PREMIER AUTO OUTLET

SUBMITTALS:
2/11/2025

DESIGNED BY: SEL
DRAWN BY: SEL
CHECKED BY:

SHEET 1 OF 1
PROJECT NUMBER
53301