

STRUCTURE NUMBER	DRAINAGE AREA	WEIGHTED C RUNOFF COEFFICIENT	TIME OF CONCENTRATION	DESIGN YEAR INTENSITY		DESIGN YEAR LOCAL DISCHARGE		UPSTREAM BYPASS	UPSTREAM BYPASS INLET NUMBER	LOCAL FLOW + UPSTREAM BYPASS	INTERCEPTED FLOW BY INLET	BYPASSED FLOW	BYPASSED TO INLET NUMBER	AVERAGE TRANSVERSE PAVEMENT SLOPE	WIDTH OF FLOW AT INLET	DEPTH OF FLOW AT INLET	DESIGN	ELEVATION GRATE /RIM	ELEVATION FLOWLINE OUT	REMARKS																
				IN / HR	CFS	IN / HR	CFS																													
F179	A179	N/A	N/A	N/A	N/A	-	-	0.00	-	-	0.00	-	176	4.00%	-	-	LONG. BARR. TYPE I	740.63	734.98	FUTURE PROJECT																
F180	A180 A/B	N/A	N/A	N/A	N/A	-	-	0.00	-	-	0.00	-	177	4.00%	-	-	LONG. BARR. TYPE II	741.32	736.06	FUTURE PROJECT																
401	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	710.25	706.19																	
402	A402	0.12	0.89	5.0	-	-	10.92	-	-	1.19	0.18	403	1.37	1.37	0.00	-	CIC-DES 2	709.60	706.51																	
403	A403	0.16	0.89	5.0	-	-	10.92	-	-	1.56	0.80	406	2.36	2.18	0.18	-	CIC-DES 3	710.44	706.28																	
404	A404	0.16	0.89	5.0	-	-	10.85	-	-	1.52	0.80	407	2.32	2.18	0.14	DIITCH	710.94	705.90																		
405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	708.71	701.15																	
406	A406	0.30	0.89	5.0	-	-	10.92	-	-	2.92	0.00	-	2.92	2.12	0.80	403	2.00%	8.21	0.16	CIC-DES 2(B)	714.93	702.28														
407	A407	0.30	0.89	5.0	-	-	10.92	-	-	2.92	0.00	-	2.92	2.12	0.80	404	2.00%	8.21	0.16	CIC-DES 2(B)	714.93	701.30														
408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	706.16	700.32																	
410	A410	0.28	0.89	5.0	-	-	10.87	-	-	2.76	0.00	-	2.76	2.56	0.20	DIITCH	2.00%	9.91	0.20	CIC-DES 3(B)	714.82	693.11														
411	A411	0.28	0.89	5.0	-	-	10.92	-	-	2.74	0.00	-	2.74	2.54	0.20	DIITCH	2.00%	7.93	0.16	CIC-DES 3(B)	714.82	693.91														
420	A420 A/B	0.29	0.79	5.0	-	9.83	-	-	2.28	-	0.41	425	2.69	2.69	0.00	-	2.00%	10.24	0.20	CIC-DES 2(2B)	708.04	702.39														
421	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	JUNCTION BOX	709.52	702.28	SPECIAL DESIGN																
422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	JUNCTION BOX	709.42	702.42	SPECIAL DESIGN																
423	A423	0.67	0.76	9.4	-	8.39	-	-	4.29	-	0.00	-	4.29	4.29	0.00	-	P.C.E.S.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	JUNCTION BOX	710.42	703.39	SPECIAL DESIGN																
425	A425	0.25	0.84	5.6	7.29	-	-	1.51	-	-	2.16	429	3.67	3.26	0.41	420	2.00%	11.52	0.23	CIC-DES 2(B)	710.21	705.92														
426	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	JUNCTION BOX	710.91	703.83	SPECIAL DESIGN																
427	A427	5.68	0.37	32.6	-	4.94	-	-	10.39	-	0.00	-	10.39	10.39	0.00	-	25.00%	2.09	0.52	SMD-TYPE II	708.50	705.42														
428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	712.29	704.93																	
429	A429	1.44	0.55	14.8	5.44	-	-	4.29	-	-	1.38	431	5.67	3.51	2.16	425	2.00%	14.36	0.29	CIC-DES 2	712.15	707.47														
430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	713.03	705.38																	
431	A431	2.80	0.60	14.8	5.44	-	-	9.13	-	-	0.33	433	9.46	8.08	1.38	429	2.00%	16.99	0.34	CIC-DES 3	712.83	707.92														
432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	716.12	709.07																	
433	A433	0.56	0.80	7.7	6.76	-	-	3.01	-	-	0.47	441	3.48	3.15	0.33	431	2.00%	10.93	0.22	CIC-DES 3	715.91	711.12														
434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	718.37	711.40																	
435	A435	0.71	0.79	11.2	-	7.93	-	-	4.47	-	0.00	-	4.47	4.47	0.00	-	25.00%	1.19	0.30	SMD-TYPE II	715.92	712.82														
436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	720.55	713.66																	
437	A437	3.66	0.69	13.3	-	7.46	-	-	18.83	-	0.00	-	18.83	18.83	0.00	-	25.00%	3.00	0.75	SMD-TYPE II	717.47	713.82														
438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	725.57	717.57																	
439	A439	6.49	0.62	14.6	-	7.20	-	-	28.99	-	0.00	-	28.99	28.99	0.00	-	5.00%	15.00	0.75	GPI	722.49	719.48														
440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	726.83	720.02																	
441	A441	0.52	0.79	8.8	6.50	-	-	2.68	-	-	0.00	-	2.68	2.21	0.47	433	2.00%	8.40	0.17	CIC-DES 2(B)	726.63	721.57														
442	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MANHOLE	730.97	724.51																	
443	A443	6.69	0.60	51.2	-	3.78	-	-	15.18	-	0.00	-	15.18	15.18	0.00	-	25.00%	2.68	0.67	SMD-TYPE II	728.65	725.55														

STR. NO.	ALIGNMENT	STATION	DESCRIPTION	DESIGN	DRAINAGE AREA	DRAINAGE AREA LENGTH		DRAINAGE AREA SLOPE		WEIGHTED C RUNOFF COEFFICIENT	TIME OF CONCENTRATION	DESIGN YEAR INTENSITY			DESIGN YEAR DISCHARGE			FLOWLINE IN	FLOWLINE OUT	STRUCTURE SLOPE	HEADWATER MAX. ALLOWABLE	HEADWATER COMPUTED	EXIT VELOCITY	DESIGN TAILWATER	HEADWATER CONTROL		
						Acre	LF	LF	%			%	MIN	IN / HR			CFS										
														I ₁₀	I ₂₅	I ₅₀	Q ₁₀									Q ₂₅	Q ₅₀
201	145TH	110+66.00	EXTEND 2 - 8' x 6' x 184.50 LF	RCB	469.17	1921	9647	1.20%	0.89%	0.36	111.9	-	-	2.24	-	455.22	691.52	690.86	0.36%	699.29	696.65	9.71	2.93	OUTLET			
202	SKELLY	20+00.00	CONST. 2 - 8' x 4' x 72.10 LF	RCB	204.13	2369	2245	1.77%	0.55%	0.42	62.5	-	2.93	-	275.56	697.62	697.01	0.85%	702.26	701.24	10.46	1.65	OUTLET				
203	SKELLY	23+75.00	CONST. 2 - 8' x 4' x 50.00 LF	RCB	196.74	2369	1879	1.77%	0.56%	0.42	59.4	-	3.02	-	276.05	699.50	699.22	0.56%	705.40	703.17	9.37	1.84	OUTLET				
204	I-44	795+50.00	CONST. 2 - 8' x 3' x 278.90 LF	RCB	126.35	2369	1360	1.77%	0.62%	0.36	54.3	-	-	3.64	-	196.45	704.49	700.90	1.29%	707.53	707.42	11.55	1.06	OUTLET			
205	I-44	788+80.00	CONST. 2 - 8' x 3' x 249.60 LF	RCB	251.75	1921	8589	1.20%	0.88%	0.31	105.8	-	-	2.33	-	217.85	701.00	698.91	0.84%	704.51	704.14	10.38	1.31	OUTLET			
206	145TH	105+66.00	CONST. 1 - 4' x 4' x 199.80 LF	RCB	45.73	1628	715	1.79%	2.02%	0.46	27.7	-	-	5.36	-	133.97	692.62	691.61	0.51%	698.24	698.48	10.25	3.27	INLET			
207	I-44	773+00.00	CONST. 1 - 10' x 4' x 201.50 LF	RCB	97.33	1628	1562	1.79%	1.66%	0.50	31.8	-	-	4.98	-	289.40	686.06	684.77	0.64%	691.62	691.25	12.17	2.38	OUTLET			
208	RAMP B	763+80.00	CONST. 1 - 4' x 3' x 82.40 LF	RCB	8.08	350	556	5.28%	2.38%	0.41	10.2	-	-	8.16	-	32.41	689.78	688.91	1.06%	692.07	692.00	8.52	0.95	OUTLET			
209	I-44	762+90.00	CONST. 1 - 4' x 3' x 286.70 LF	RCB	15.13	350	703	5.28%	2.05%	0.45	11.3	-	-	7.90	-	64.33	688.58	684.62	1.38%	694.96	692.09	11.71	1.37	OUTLET			
301	145TH	105+66.00	CONST. 1 - 42" x 34.00 LF	RCP	14.06	982	277	1.20%	1.43%	0.58	14.3	-	-	7.25	-	71.30	693.57	693.40	0.50%	698.24	697.79	9.14	2.65	INLET			
302	SKELLY	31+08.00	CONST. 1 - 18" x 55.00 LF	RCP	0.70	45	250	1.00%	0.50%	0.76	9.4	6.37	-	-	3.36	-	706.10	705.82	0.51%	708.95	707.20	4.34	0.68	OUTLET			
303	SKELLY	48+20.00	CONST. 1 - 43.75" x 26.62" x 52.00 LF	RCP	14.97	454	1159	0.22%	1.37%	0.54	24.5	4.33	-	-	34.94	-	731.63	731.27	0.69%	734.46	734.36	7.93	1.37	OUTLET			

DESIGN	AKS	2/13	TULSA & ROGERS COUNTIES
DRAWN	AKS	2/13	
CHECKED	KMM	6/16	DRAINAGE DESIGN RECORD (SHEET 2 OF 2)
APPROVED			
SQUAD	GARVER		STATE JOB NO. 21899(04) SHEET NO. 134