

GENERAL NOTES

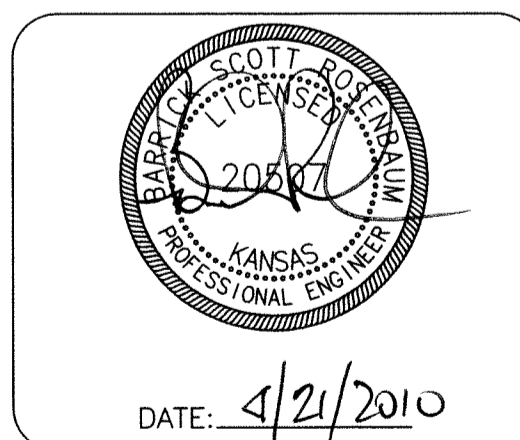
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△	CITY OF WICHITA REVIEW COMMENTS 10/9/2009	10/14/09
△	CITY OF WICHITA REVIEW	4/14/10
No.	Revision	Date

HRAOK, Inc.
ENGINEERS-SURVEYORS-PLANNERS-LANDSCAPE ARCHITECTS
OKLAHOMA: CA# 3643-EXP. DATE: 6-30-2011
KANSAS: CN# 1620-EXP. DATE: 12-31-2010

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DATE: 4/21/2010

DRAINAGE AREA MAP

DRAWN BY: TSM/BLJ	SHEET
DESIGNED BY: BLJ	4
CHECKED BY: BSR	
ISSUE DATE: 8/3/09	OF 14

Drainage Summary Chart

DRAINAGE AREA BASIN	INLET LABEL	DRAINAGE AREA (ACRES)	C' (WEIGHTED)	OVERLAND REACH (FEET)	OVERLAND SLOPE (%)	OVERLAND VELOCITY (FPS)	GRASSWAY REACH (FEET)	GRASSWAY SLOPE (%)	GRASSWAY VELOCITY (FPS)	PAVEMENT REACH (FEET)	PAVEMENT SLOPE (%)	PAVEMENT VELOCITY (FPS)	TOTAL T _c (MINUTES)	T _c /100 (IN/HR.)	Q ₁₀₀ (CFS)	DESIGN Q' (SUM AT INLET)	# SLOPE AT INLET	CLOSING FACTOR	DEPTH @ INLET (FT)	INLET INTERCEPT (CFS)	INLET CAPACITY (CFS)	INLET BYPASS (CFS)	BYPASS TO INLET #	INLET DESIGN
A	A	0.11	0.95	-	-	-	-	-	-	174	2.00	2.87	1.01	12.61	1.3	1.3	2.0	0.70	1.3	1.6	3.6	-	-	EXISTING INLET
B	b	0.13	0.95	-	-	-	-	-	-	144	2.00	2.87	0.83	12.73	1.6	1.6	SUMP	0.70	0.10	1.6	3.6	-	-	SINGLE INLET
C	c	0.33	0.95	-	-	-	-	-	-	201	2.00	2.87	1.17	12.49	3.8	3.8	SUMP	0.70	-	3.8	-	-	-	EXISTING INLET
D	d	0.12	0.95	-	-	-	-	-	-	153	1.50	2.49	1.02	12.59	1.5	1.5	SUMP	0.70	0.08	1.5	3.6	-	-	SINGLE INLET w/VANE DRAIN
R1	1	0.17	0.95	-	-	-	-	-	-	173	2.00	2.87	1.00	12.61	2.1	-	-	-	-	-	-	-	-	ROOF DRAIN
R2	1	0.10	0.95	-	-	-	-	-	-	173	2.00	2.87	1.00	12.61	1.3	-	-	-	-	-	-	-	-	ROOF DRAIN

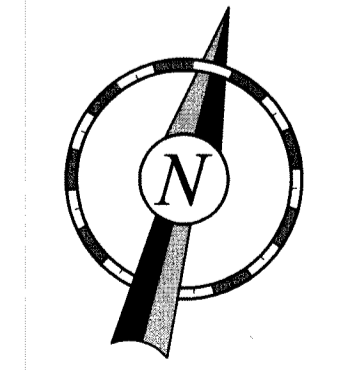
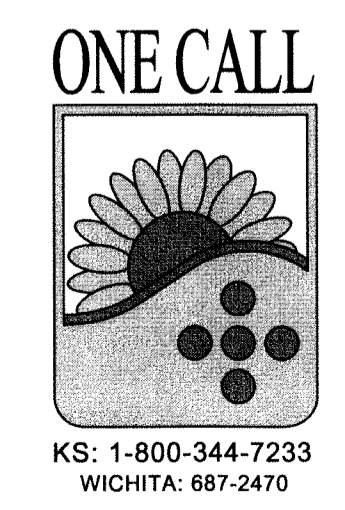
Storm Sewer Structure Table

STRUCTURE LABEL	STRUCTURE TYPE	STRUCTURE LABEL	STRUCTURE TYPE
A	EXISTING INLET	d	SINGLE INLET w/VANE DRAIN
b	SINGLE INLET	1	646 WATER QUALITY VAULT *
		2	4' ID MAHOLE

* SEE DETAIL PROVIDED BY CRYSTALSTREAM TECHNOLOGIES, CRYSTALCLEAN WATER QUALITY VAULT MODEL, "646" PAGE 24.

Storm Sewer Summary Table

PIPE RUN DOWN	PIPE RUN UP	SIZE (IN)	SLOPE (%)	FLOW (CFS)	CAPACITY (CFS)	VELOCITY (FPS)	HGL DOWN (FT)	EGL DOWN (FT)	HGL UP (FT)	EGL UP (FT)
A	1	15	1.50	6.5	7.9	7.2	1294.15	1294.78	1294.26	1294.97
1	2	15	1.50	6.5	7.9	7.2	1294.26	1294.97	1294.59	1295.30
2	b	15	1.00	1.6	6.5	4.4	1295.46	1295.55	1295.60	1295.69
2	d	15	0.50	1.5	5.6	3.9	1295.51	1295.54	1295.54	1295.57



C:\TEMP\TEMP_AcPublish_2516\386R Base.dwg - IPC - Drainage Apr. 21, 2010 - 2:52pm - Bobby

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QuikTrip Store No. : 386R