STORM SEWER LINES '1' & '2'

LINES 1 & 2

LineNo.	LineSize	FlowRate	InvertDn	HGLDn	DepthDn	AreaDn	VelDn	VelHd Dn	EGLDn	SfDn	LineLength	InvertUp	HGLUp	DepthUp	AreaUp	VelUp	VelHd Up	EGLUp	SfUp	SfAve	EnergyLos	J-LossCoe	MinorLoss
	(in)	(cfs)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(%)	(ft)		(ft)
1	30	18.8	1353.00	1354.45	1.45	2.95	6.37	0.63	1355.08	0.52	54.48	1354.76	1356.21	1.45**	2.95	6.37	0.63	1356.84	0.518	0.518	0.282	0.86	n/a
2	30	19.0	1354.96	1356.21	1.25	2.45	7.77	0.94	1357.15	0.87	102.63	1356.17	1357.63	1.46**	2.97	6.4	0.64	1358.27	0.521	0.693	0.711	1.5	0.96
3	24	12.3	1356.67	1357.82	1.15	1.87	6.55	0.67	1358.49	0.74	35.00	1356.93	1358.18	1.24**	2.05	5.96	0.55	1358.73	0.582	0.662	0.232	0.5	0.28
4	24	11.5	1357.05	1358.45	1.40	2.35	4.90	0.37	1358.83	0.37	86.46	1357.52	1358.73 j	1.21**	1.98	5.81	0.53	1359.25	0.565	0.467	0.404	0.75	n/a
5	18	7.7	1358.02	1359.52	1.50	1.77	4.36	0.29	1359.82	0.54	270.19	1359.01	1360.97	1.5	1.77	4.36	0.29	1361.27	0.537	0.537	1.452	1.45	0.43
6	15	2.5	1359.26	1361.40	1.25	1.23	2.05	0.07	1361.46	0.15	112.09	1361.35	1361.98 j	0.63**	0.63	4.02	0.25	1362.24	0.576	0.363	0.407	1.23	n/a
7	12	1.8	1361.60	1362.06	0.46	0.35	5.18	0.42	1362.48	1.40	166.25	1363.93	1364.50	0.57**	0.47	3.93	0.24	1364.74	0.673	1.037	1.724	1	0.24
8	24	5.3	1358.12	1358.74	0.62	0.83	6.34	0.63	1359.37	1.24	91.52	1359.26	1360.07	0.81**	1.2	4.39	0.3	1360.37	0.451	0.847	0.775	0.48	n/a
9	24	5.5	1359.36	1360.13	0.77	1.11	4.98	0.39	1360.51	0.61	351.09	1361.51	1362.34	0.83**	1.24	4.46	0.31	1362.65	0.455	0.533	1.873	1.49	n/a
10	24	4.5	1361.61	1362.34	0.73	1.04	4.27	0.28	1362.63	0.47	162.37	1362.44	1363.19	0.75**	1.07	4.16	0.27	1363.46	0.439	0.455	0.739	0.73	0.2
11	12	1.7	1363.44	1364.03	0.59	0.49	3.56	0.20	1364.23	0.54	159.20	1364.30	1364.90	0.6	0.49	3.55	0.2	1365.09	0.537	0.539	0.857	1	0.2

STORM SEWER LINES '3'

LINES 3

LineNo.	LineSize	FlowRate	InvertDn	HGLDn	DepthDn	AreaDn	VelDn	VelHd Dn	EGLDn	SfDn	LineLength	InvertUp	HGLUp	DepthUp	AreaUp	VelUp	VelHd Up	EGLUp	SfUp	SfAve	EnergyLos	J-LossCoe	MinorLoss
	(in)	(cfs)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(%)	(ft)		(ft)
1	24	12.4	1350.80	1352.80	2.0	3.14	3.94	0.24	1353.04	0.30	36.79	1350.95	1352.90	1.95	3.12	3.96	0.24	1353.15	0.266	0.283	0.104	0.59	0.14
2	24	12.4	1350.95	1353.05	2.0	3.14	3.94	0.24	1353.29	0.30	18.82	1351.03	1353.10	2.0	3.14	3.94	0.24	1353.34	0.299	0.3	0.056	1.5	0.36
3	24	11.7	1351.03	1353.46	2.0	3.14	3.72	0.22	1353.68	0.27	43.45	1351.43	1353.58	2.0	3.14	3.72	0.22	1353.8	0.267	0.267	0.116	1.19	0.26
4	18	11.0	1351.43	1353.84	2.0	3.14	3.50	0.19	1354.03	0.24	58.71	1352.00	1353.97	1.97	3.13	3.51	0.19	1354.16	0.214	0.225	0.132	1	0.19

STORM SEWER LINES '4'

LINES 4

LineNo.	LineSize	FlowRate	InvertDn	HGLDn	DepthDn	AreaDn	VelDn	VelHd Dn	EGLDn	SfDn	LineLength	InvertUp	HGLUp	DepthUp	AreaUp	VelUp	VelHd Up	EGLUp	SfUp	SfAve	EnergyLos	J-LossCoe	MinorLoss
	(in)	(cfs)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(%)	(ft)		(ft)
1	15	2.3	1358.81	1359.52	0.71	0.72	3.14	0.15	1359.67	0.322	7.00	1358.85	1359.52	0.67	0.67	3.35	0.17	1359.7	0.382	0.352	0.025	1.48	0.26
2	15	1.1	1358.85	1359.78	0.93	0.98	1.16	0.02	1359.80	0.038	47.86	1359.08	1359.79	0.71	0.72	1.57	0.04	1359.83	0.08	0.059	0.028	1	0.04

AS BUILTS

kemiller engineering
516 S. Market,
Wichita, KS 67202 (316)264-0242

TERENCE L. HAYNES LICENSED 14583 KANSAS PROFESSIONAL ENGINEER 3/2/11
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

PROPOSED WATERSHED AND STORM SEWER SUMMARY

MARKET STORE #5860-00

HARRY STREET & WEBB ROAD
WICHITA, KANSAS

SMC Consulting Engineers, P.C.
815 West Main – Oklahoma City, OK 73106
PH: 405-232-7715 Fax: 405-232-7859
KANSAS CERTIFICATE OF AUTHORIZATION NO. E-335 EXP. DEC. 2011

SMC

No.	Revision	By	Date
1	Revised per city's comments	KST	11/01/10
2	WW OTB REVIEW	KST	01/17/11
3	WW OTB	KST	01/31/11
4	SMC QC REVIEW	KST	03/02/11

DATE: 10/04/10
DRAWN BY: KST
PROJECT NO.: 4946.00
SCALE: NTS
ENGINEER: TERENCE L. HAYNES, P.E. #14583

SHEET NO.
C-9.3