



PROPOSED DETENTION POND (STATIC = 1352.0)

STAGE	INFLOW	OUTFLOW	ELEVATION
2YRS	16 cfs	6.5 cfs	1353.3
10 YR	31 cfs	11 cfs	1354.4
100 YR	59 cfs	14 cfs	1356.1

PROPOSED POND

ELEV	AREA(SQ FT)
1352	12000
1353	14000
1354	16000
1355	19000
1356	21500
1357	25000

<p>① DEVELOPMENT POND D.A. = 7.0 AC CN = 98 Tc = 15 min. O2 = 16 cfs O5 = 24 cfs O10 = 31 cfs O100 = 59 cfs</p>	<p>② DEVELOPMENT TO SE D.A. = 2.0 AC CN = 84 Tc = 15 min. O2 = 2.2 cfs O5 = 4.5 cfs O10 = 6.5 cfs O100 = 15 cfs</p>	<p>③ DEVELOPMENT TO W D.A. = 2.0 AC CN = 84 Tc = 15 min. O2 = 0.20 cfs O5 = 0.50 cfs O10 = 0.70 cfs O100 = 1.50 cfs</p>
<p>④ DEVELOPMENT TO NW D.A. = 0.16 AC CN = 98 Tc = 15 min. O2 = 0.4 cfs O5 = 0.6 cfs O10 = 0.70 cfs O100 = 1.3 cfs</p>	<p>⑤ DEVELOPMENT WEBB D.A. = 0.70 AC CN = 98 Tc = 15 min. O2 = 1.6 cfs O5 = 2.4 cfs O10 = 3.1 cfs O100 = 5.0 cfs</p>	

LEGEND

—X—X—	PROPOSED CONTOUR & CONTOUR ELEVATION
—	ASILE INDICATOR SIGN
⊠	STORM SEWER INLET
⊠	STORM SEWER CURB INLET
⊠	STORM SEWER MANHOLE (SWS M.H.)
⊠	S.S. MANHOLE
⊠	S.S. CLEANOUTS
⊠	FUTURE CURB & GUTTER (BY OTHERS)
⊠	POWER UNDERGROUND BY CONTRACTOR
⊠	TELEPHONE UNDERGROUND (PER CITY STDS)
⊠	POWER OVERHEAD
⊠	GAS LINE
⊠	FLOW DIRECTION
⊠	SWS STORM SEWER
⊠	L.S. LANDSCAPE
⊠	S.S. SANITARY SEWER SYSTEM
⊠	W.L. WATER LINE
⊠	SPOT ELEVATION

NOTE:
THE SITE GRADING IS REDESIGNED TO RAISE THE BUILDING, SIDEWALKS, CURB & GUTTER, PAVEMENT, AND AFFECTED UTILITIES TO MEET THE NEW BUILDING FINISH FLOOR ELEVATION OF 1369.33, WHILE MAINTAINING MAXIMUM SLOPES IN COMPLIANCE WITH ADA AND CITY OF WICHITA STANDARDS.

NOTE:
THERE IS NO FEMA SPECIAL FLOOD HAZARD ON THIS PROPERTY AT THE TIME OF THIS PLAN. THIS IS PER FEMA FIRM PANEL 386 OF 700 FOR SEDGWICK COUNTY, KANSAS; EFFECTIVE FEBRUARY 2, 2007.

CHANGE DIRECTIVE #2 ~ 05-16-11

DRAINAGE PLAN

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. 31, 2011

No.	Revision	By	Date
1	Revised per city's comments	KST	11/01/10
2	WB OIB REVIEW	KST	01/17/11
3	WB OIB	KST	01/31/11
4	SMC OC REVIEW	KST	03/02/11
5	CHANGE DIRECTIVE #2	MDS	05/16/11

DATE: 10/04/10 SCALE: 1"=50'

DRAWN BY: KST PROJECT NO.: 4946.00 SHEET NO. C-9.2

ENGINEER: TERENCE L. HAYNES, P.E. #14583

AS BUILTS

kemiller engineering

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

UTILITY STATEMENT & CAUTION:
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON A COMBINATION OF FIELD SURVEY INFORMATION, EXISTING DRAWINGS AND RECORDS OF THE VARIOUS UTILITY COMPANIES. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

G:\14946\STORM SEWER\4946 PROPOSED DRAINAGE.dwg Jun 13, 2011 9:41am mikesmith