

POND INFORMATION

Static Pool = 1310.3
 Primary Outlet at Weir = 1311.0
 Static Pool Surface Area = 102,910 sf
 Area at Primary Outlet = 121,920 sf

WQ & Channel Protection Volume Provided = 1.81 ac-ft
 WQ & Channel Protection Volume Required = 1.52 ac-ft
 (From Report Approved July 2014)

Channel Protection Orifice required = 8" (From Report) = 0.35 sf
 4 - 4" Openings Provided, Area = 0.35 sf

Detention for site provided by Weir added to Existing Pond.

Max Water Surface = 1314.5
 100 Yr Outflow = 806.6 cfs
 Pre-Developed Outflow = 808.2 cfs

See Sht. No. 5 for Weir and Re-graded Channel Details

127th Street East

Grading Limits

Existing House

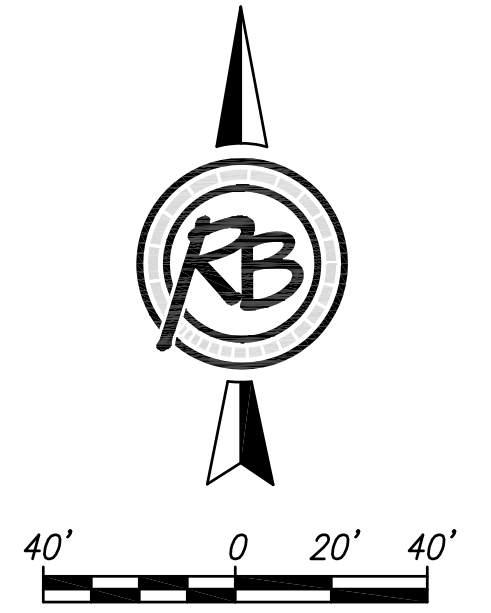
RESERVE "A"

Inlet Top
 El.=1321.16

Inlet Top
 El.=1321.88

Inlet Top
 El.=1318.50

Grading Limits



BENCHMARK:
 CHISELED SQUARE ON THE TOP OF CURB ON
 THE NORTH SIDE OF ZIMMERLY STREET, WEST
 OF 127TH STREET EAST,
 ELEVATION = 1329.39 (NAVD88)

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The Steppes at Ark Valley Site Grading (2 of 2)				
	 RUGGLES & BOHM <small>ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE GOVERNMENT</small> <small>924 NORTH MAIN WICHITA, KANSAS 67203 P (316) 264-8008 F (316) 264-4621 WWW.RBKANSAS.COM</small>	DATE	3/10/2015	
		DESIGN	KL	
PROJECT NUMBER	468-84980	RB JOB NO.	4372E	
DRAWING FILE	4372E Engineering Base [Site Grading (2 of 2)]	DWG. SCALE	...	
			SHEET	4
			OF	21