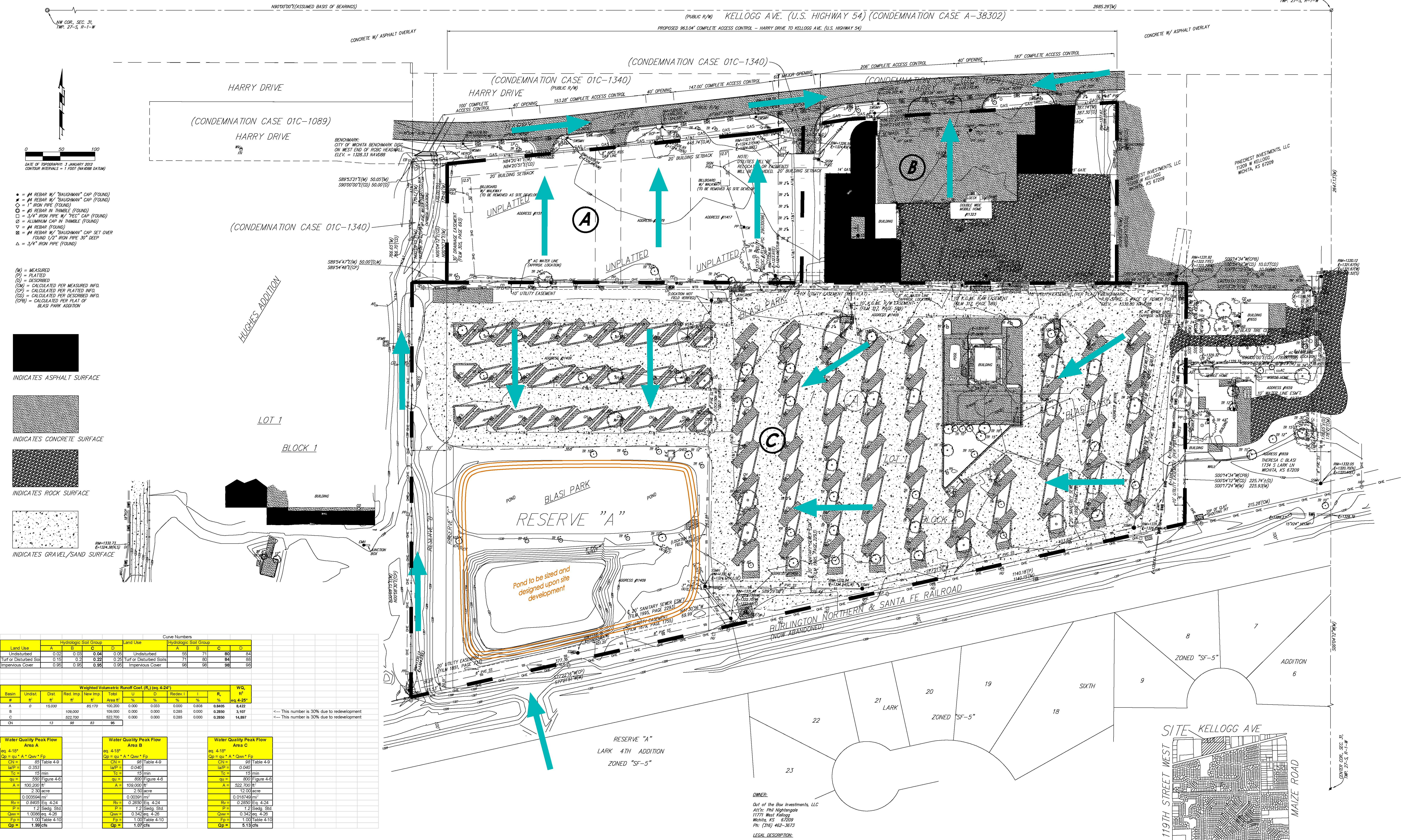


DRAINAGE PLAN

MEL HAMBELTON 2ND ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

(PUBLIC R/W) KELLOGG AVE. (U.S. HIGHWAY 54) (CONDEMNATION CASE A-38302)



- #4 REBAR W/ "BAUGHMAN" CAP (FOUND)
 - #4 REBAR W/ "BAUGHMAN" CAP (FOUND)
 - #1" IRON PIPE (FOUND)
 - #5 REBAR IN TRIMBLE (FOUND)
 - 3/4" IRON PIPE W/ "PEC" CAP (FOUND)
 - ALUMINUM CAP IN TRIMBLE (FOUND)
 - #4 REBAR (FOUND)
 - #4 REBAR W/ "BAUGHMAN" CAP SET OVER FOUND 1/2" IRON PIPE 30" DEEP
 - 3/4" IRON PIPE (FOUND)
- (M) = MEASURED
(P) = PLATTED
(D) = DESCRIBED
(CM) = CALCULATED PER MEASURED INFO.
(CP) = CALCULATED PER PLATTED INFO.
(CD) = CALCULATED PER DESCRIBED INFO.
(CPR) = CALCULATED PER PLAT OF BLASI PARK ADDITION

- INDICATES ASPHALT SURFACE
- INDICATES CONCRETE SURFACE
- INDICATES ROCK SURFACE
- INDICATES GRAVEL/SAND SURFACE

Land Use	Hydrologic Soil Group				Land Use	Hydrologic Soil Group			
	A	B	C	D		A	B	C	D
Undisturbed	0.02	0.03	0.04	0.05	Undisturbed	50	71	80	84
Turf or Disturbed Soil	0.15	0.2	0.22	0.25	Turf or Disturbed Soils	71	80	84	88
Impervious Cover	0.95	0.95	0.95	0.95	Impervious Cover	98	98	98	98

Basin	Weighted Volumetric Runoff Coef. (R _w) (eq. 4-24)				WQ _p ft ³
	Undist.	Dist.	Red Imp.	New Imp.	
A	0	15.00	106,000	100,000	8,422
B			106,000	0.000	0.265
C			522,700	0.000	0.285
Q ₁₀	13	88	83	95	

Water Quality Peak Flow Area A				Water Quality Peak Flow Area B				Water Quality Peak Flow Area C			
eq. 4-18*	Q _p = qu * A * C _w * F _p	eq. 4-18*	Q _p = qu * A * C _w * F _p	eq. 4-18*	Q _p = qu * A * C _w * F _p	eq. 4-18*	Q _p = qu * A * C _w * F _p	eq. 4-18*	Q _p = qu * A * C _w * F _p	eq. 4-18*	Q _p = qu * A * C _w * F _p
CR = 85 Table 4-9		CR = 98 Table 4-9		CR = 98 Table 4-9		CR = 98 Table 4-9		CR = 98 Table 4-9		CR = 98 Table 4-9	
WQ _p = 0.353		WQ _p = 0.040		WQ _p = 0.040		WQ _p = 0.040		WQ _p = 0.040		WQ _p = 0.040	
T _c = 15 min		T _c = 15 min		T _c = 15 min		T _c = 15 min		T _c = 15 min		T _c = 15 min	
qu = 550 Figure 4-3		qu = 800 Figure 4-3		qu = 800 Figure 4-3		qu = 800 Figure 4-3		qu = 800 Figure 4-3		qu = 800 Figure 4-3	
A = 100,000 ft ²		A = 106,000 ft ²		A = 522,700 ft ²		A = 522,700 ft ²		A = 522,700 ft ²		A = 522,700 ft ²	
C _w = 2.30		C _w = 0.00391		C _w = 0.018749		C _w = 0.018749		C _w = 0.018749		C _w = 0.018749	
R _v = 0.6405 Eq. 4-24		R _v = 0.2850 Eq. 4-24		R _v = 0.2850 Eq. 4-24		R _v = 0.2850 Eq. 4-24		R _v = 0.2850 Eq. 4-24		R _v = 0.2850 Eq. 4-24	
F _p = 1.0089 Eq. 4-29		F _p = 1.2 Sedg. Std.		F _p = 1.2 Sedg. Std.		F _p = 1.2 Sedg. Std.		F _p = 1.2 Sedg. Std.		F _p = 1.2 Sedg. Std.	
Q _p = 1.99 cfs		Q _p = 1.07 cfs		Q _p = 5.13 cfs		Q _p = 5.13 cfs		Q _p = 5.13 cfs		Q _p = 5.13 cfs	

NOTES: No FEMA SFHA exists on this property as of this date per FEMA FIRM Panel 340 of 700 for Sedgwick County, Kansas; effective February 2, 2007.

Detention areas and values to be determined based on site specific development plans. Water quality will be provided on the site per the above table for any re-development or disturbance of 1 acre of land. These values are subject to change based on site specific plans.

Basin A	Basin B	Basin C
Currently Undeveloped	Currently Developed	Currently Developed
Area = 2.3 acres	Area = 2.5 acres	Area = 12 acres
C' = 0.68	C' = 0.89	C' = 0.89
T _c = 15 min	T _c = 15 min	T _c = 15 min
Q ₂ = 6.0 cfs	Q ₂ = 8.5 cfs	Q ₂ = 41 cfs
Q ₅ = 7.1 cfs	Q ₅ = 10 cfs	Q ₅ = 49 cfs
Q ₁₀ = 8.2 cfs	Q ₁₀ = 12 cfs	Q ₁₀ = 56 cfs
Q ₁₀₀ = 12 cfs	Q ₁₀₀ = 16 cfs	Q ₁₀₀ = 79 cfs

OWNER:
Out of the Box Investments, LLC
Attn: Phil Nightingale
1771 West Kellogg
Wichita, KS 67209
Ph: (316) 462-3673

LEGAL DESCRIPTION:
Beginning at a point on the south right-of-way line of U.S. Highway 54 as condemned in Case No. A-38302, said point being 794.5 feet west of the east line of the Northwest Quarter of Section 31, Township 27 South, Range 1 West of the Sixth Principal Meridian, Sedgwick County, Kansas; thence south parallel to the east line of said Northwest Quarter, 300 feet; thence west parallel to the south right-of-way line of said Highway, 526.5 feet; thence north parallel to the east line of said Northwest Quarter, 300 feet to the south right-of-way line of said Highway; thence east, 526.5 feet to the point of beginning, except that part taken for Highway in Condemnation Case No. 01C1340, TOGETHER with that part of said Northwest Quarter described as follows: Beginning at a point on the south right-of-way line of U.S. Highway 54 as condemned in Case No. A-38302, said point being 208 feet west of the east line of the Northwest Quarter of Section 31, Township 27 South, Range 1 West of the Sixth Principal Meridian, Sedgwick County, Kansas; thence south parallel to the east line of said Northwest Quarter, 300 feet; thence west parallel to the south right-of-way line of said Highway, 526.5 feet; thence north, 300 feet to the south right-of-way line; thence east, 526.5 feet to the point of beginning, except the east 100 feet thereof, and except that part taken for Highway in Case No. 01C1028, and TOGETHER with Lot 1, Block A, Blasi Park, Sedgwick County, Kansas, except that part taken for Highway described as commencing at a point on the south right-of-way line of U.S. Highway 54 as condemned in Case No. A-38302, said point being 794.5 feet west of the east line of the Northwest Quarter of Section 31, Township 27 South, Range 1 West of the Sixth Principal Meridian, Sedgwick County, Kansas; thence south parallel to the east line of said Northwest Quarter, a distance of 50 feet to the point of beginning; thence south parallel with the east line of said Northwest Quarter, a distance of 65 feet; thence east parallel with the south right-of-way line of said Highway, a distance of 60 feet; thence north parallel with the east line of said Northwest Quarter, a distance of 65 feet to a point on the south right-of-way line of said Highway; thence west along the south right-of-way line of said Highway, a distance of 60 feet to the point of beginning.

BENCHMARK:
City of Wichita Benchmark Disc on west end of RDC Woodstock, 17.1' N. & 35.3' W. of the NW corner of Lot 1, Block A, Mel Hamblton 2nd Addition. Elev. = 1328.33 NAVD88

RAILROAD SPIKE IN POWER POLE:
36.8' N. & 1.0' S. of the first deflection corner south of the NE corner of Lot 1, Block A, Mel Hamblton 2nd Addition. Elev. = 1330.80 NAVD88

VICINITY MAP

SEC. 31, T27S, R1W

DRAINAGE PLAN
MEL HAMBELTON 2ND ADDITION

Baughman Company, P.A.
315 8th St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149

Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

Runyan, Sara

Subject: FW: Mel Hambelton 2nd Drainage Plan
Attachments: Drain Plan.pdf

From: Lindebak, Scott
Sent: Tuesday, March 20, 2012 9:46 AM
To: Runyan, Sara
Subject: FW: Mel Hambelton 2nd Drainage Plan

Sara, Please print this email and scan it to subdivision LF for our records. Also save the pdf of the final drainage plan to the subdivision LF folder.

Thank you

Scott

From: Trevor Kurth [mailto:tkurth@baughmanco.com]
Sent: Friday, March 16, 2012 10:36 AM
To: Lindebak, Scott; Davidson, Tim
Subject: Mel Hambelton 2nd Drainage Plan

Gentlemen,

Attached is the Drainage Plan for Mel Hambelton. I will put the final report on a disc and send it up to you.

Nothing too special, the detention and water quality is proposed to be done at site development. We also threw a 50' Reserve on the ditch like you asked.

Let me know of any other concerns.

Thanks.

trk

Trevor R. Kurth, P.E., CFM
Chief Water Resources Engineer

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Wichita, KS 67211
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