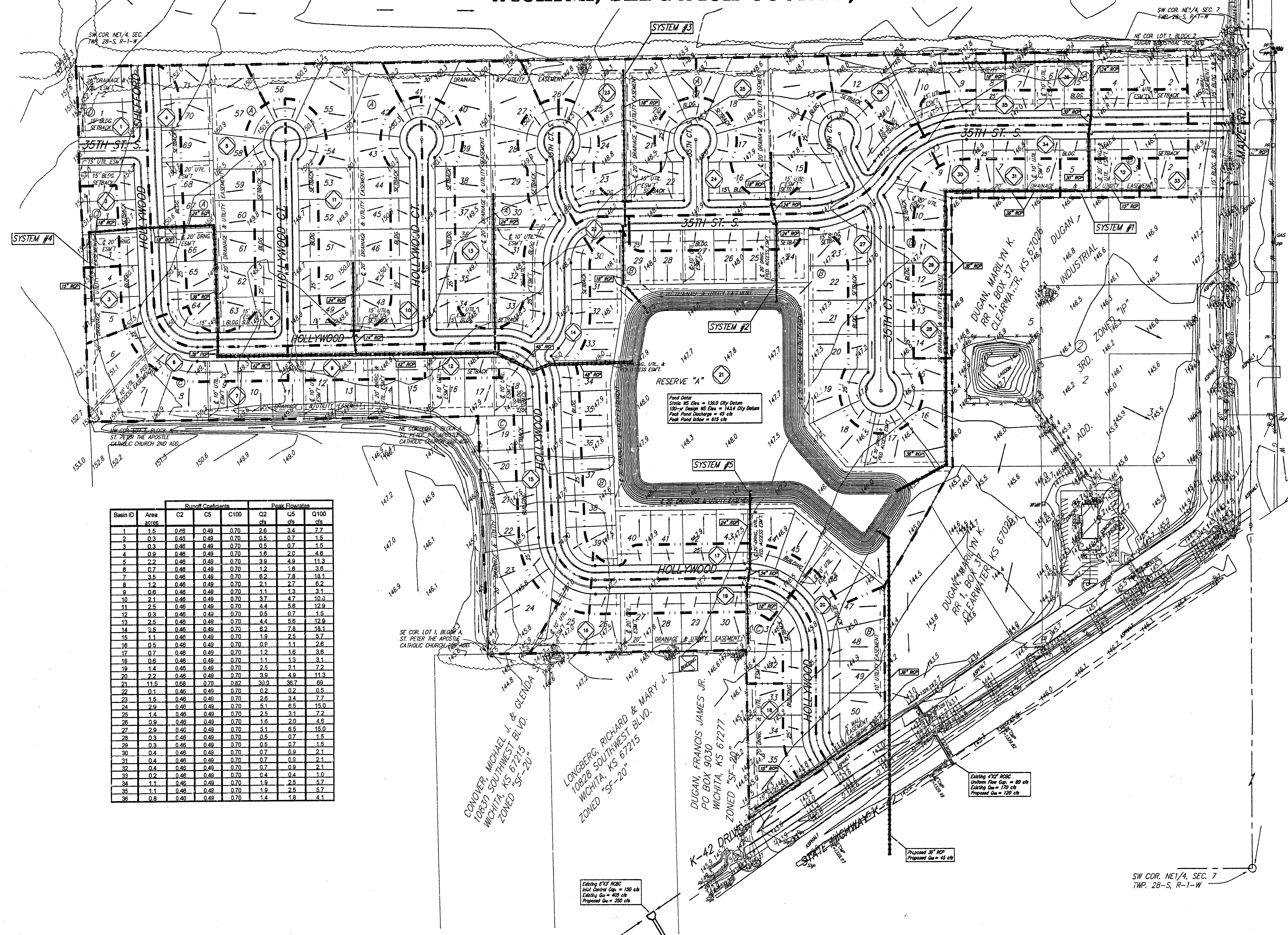


DRAINAGE PLAN HARVEST RIDGE ADDITION WICHITA, SEDGWICK COUNTY, KANSAS



Basin ID	Area sq/ft	Runoff Coefficients			Peak Elevations		
		C2	C5	C100	C2 cfs	C5 cfs	C100 cfs
1	1.5	0.45	0.49	0.70	2.6	3.4	7.7
2	0.3	0.45	0.49	0.70	0.5	0.7	1.5
3	0.3	0.45	0.49	0.70	0.5	0.7	1.5
4	0.9	0.45	0.49	0.70	1.8	2.6	4.8
5	2.2	0.45	0.49	0.70	3.9	4.9	11.3
6	0.7	0.45	0.49	0.70	1.2	1.8	3.6
7	3.5	0.45	0.49	0.70	6.2	7.8	18.1
8	1.2	0.45	0.49	0.70	2.1	2.7	6.2
9	0.6	0.45	0.49	0.70	1.1	1.3	3.1
10	2.1	0.45	0.49	0.70	3.7	4.7	10.0
11	2.5	0.45	0.49	0.70	4.4	5.6	12.9
12	0.3	0.45	0.49	0.70	0.5	0.7	1.5
13	2.5	0.45	0.49	0.70	4.4	5.6	12.9
14	2.5	0.45	0.49	0.70	4.4	5.6	12.9
15	1.1	0.45	0.49	0.70	1.9	2.3	5.7
16	0.5	0.45	0.49	0.70	0.9	1.1	2.8
17	0.7	0.45	0.49	0.70	1.2	1.6	3.6
18	0.6	0.45	0.49	0.70	1.1	1.3	3.1
19	1.4	0.45	0.49	0.70	2.5	3.1	7.2
20	2.2	0.45	0.49	0.70	3.9	4.9	11.3
21	11.5	0.45	0.49	0.70	22.2	28.2	69.2
22	0.1	0.45	0.49	0.70	0.2	0.2	0.5
23	1.5	0.45	0.49	0.70	2.6	3.4	7.7
24	2.9	0.45	0.49	0.70	5.1	6.5	15.0
25	1.4	0.45	0.49	0.70	2.5	3.1	7.2
26	0.9	0.45	0.49	0.70	1.8	2.0	4.8
27	2.9	0.45	0.49	0.70	5.1	6.5	15.0
28	0.3	0.45	0.49	0.70	0.5	0.7	1.5
29	0.3	0.45	0.49	0.70	0.5	0.7	1.5
30	0.4	0.45	0.49	0.70	0.7	0.9	2.1
31	0.4	0.45	0.49	0.70	0.7	0.9	2.1
32	0.4	0.45	0.49	0.70	0.7	0.9	2.1
33	0.2	0.45	0.49	0.70	0.4	0.4	1.0
34	1.1	0.45	0.49	0.70	1.9	2.3	5.7
35	1.1	0.45	0.49	0.70	1.9	2.3	5.7
36	0.8	0.45	0.49	0.70	1.4	1.8	4.1

LOT	BLOCK	ELEVATION	
		CITY DATUM	NGVD29
16-22	B	144.5	1331.9
24-38	B	144.5	1331.9
40-47	B	144.5	1331.9

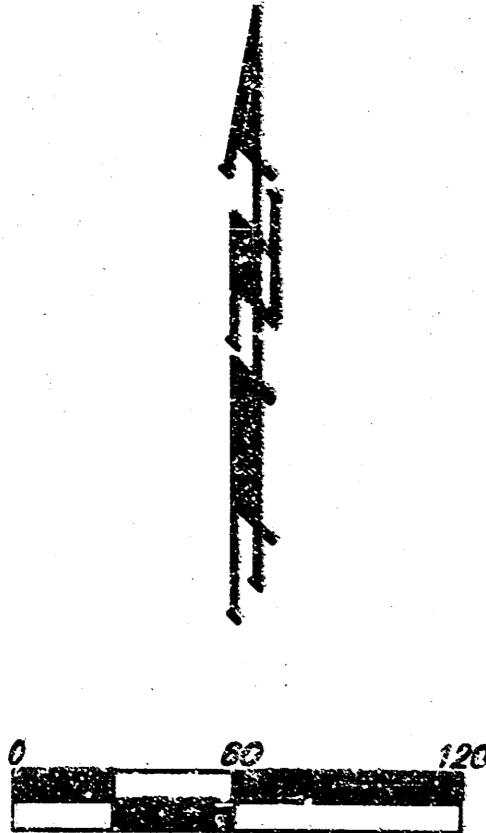
BENCHMARK:
 Railroad spike 1st power pole west of N1/4 Cor.
 Sec. 7, Twp. 28-S, R-1-W of the 6th P.M.
 Elev. = 1341.83(NGVD29)

Railroad spike 3rd power pole west of N1/4 Cor.
 Sec. 7, Twp. 28-S, R-1-W of the 6th P.M.
 Elev. = 1364.39(NGVD29)

Existing 6" R20 R20C
 Full Control Cap. = 150 cfs
 Existing C_u = 400 cfs
 Proposed C_u = 250 cfs

Existing 12" R20C
 Uniform Flow Cap. = 80 cfs
 Existing C_u = 170 cfs
 Proposed C_u = 120 cfs

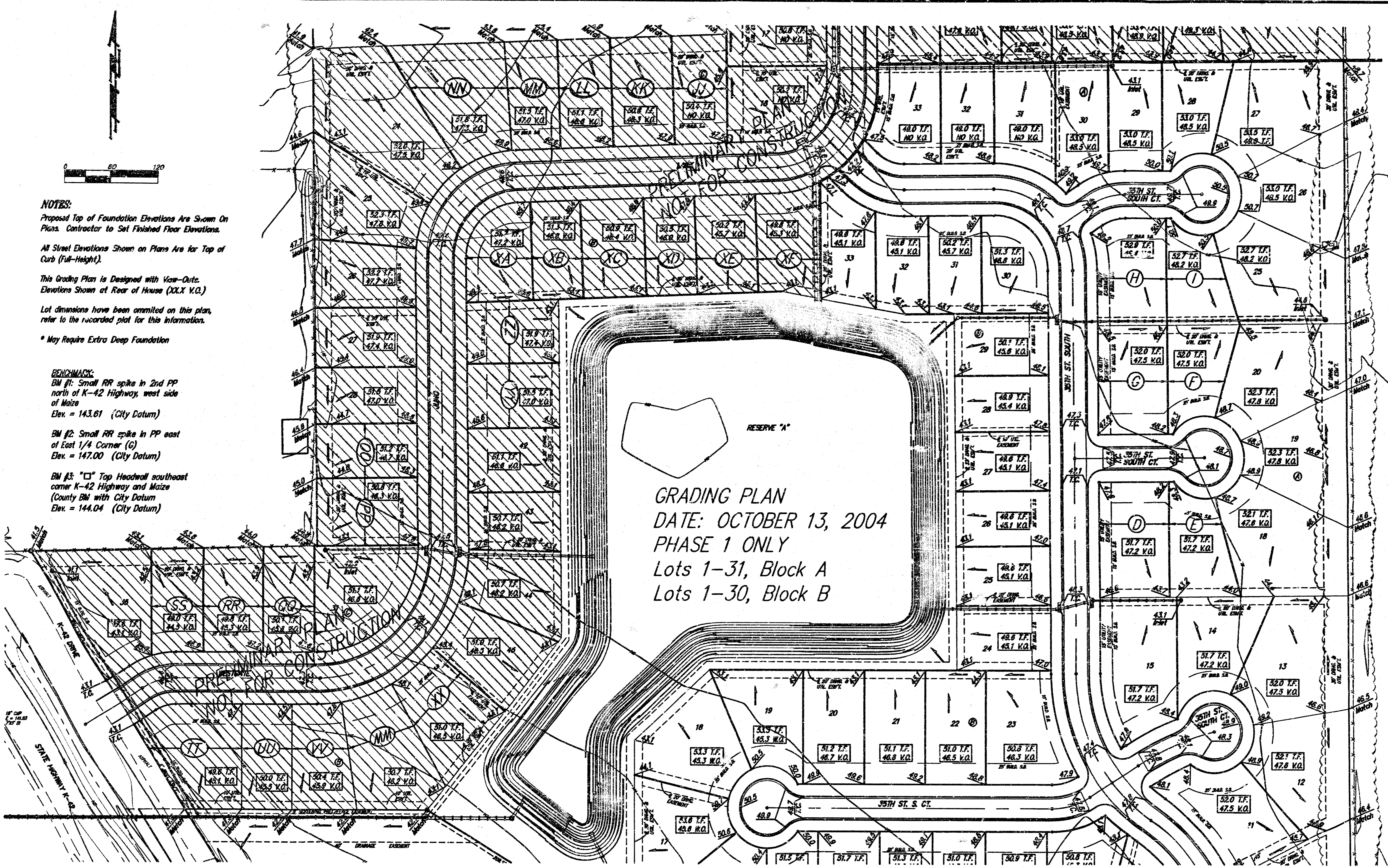
Proposed 8" R20
 Proposed C_u = 45 cfs



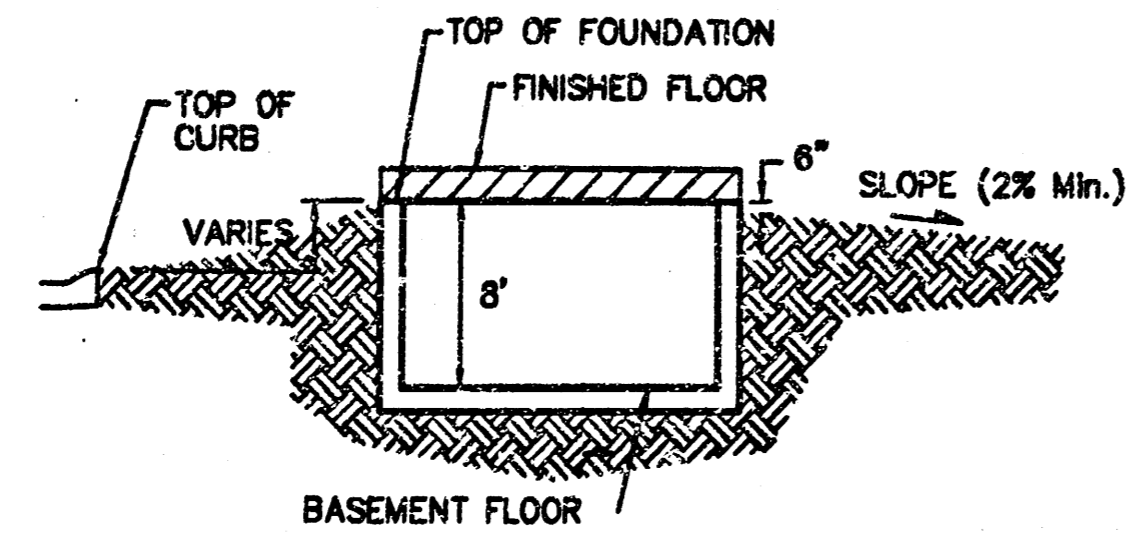
NOTES:
 Proposed Top of Foundation Elevations Are Shown On Plans. Contractor to Set Finished Floor Elevations.
 All Street Elevations Shown on Plans Are for Top of Curb (Full-Height).
 This Grading Plan is Designed with Vow-Outs. Elevations Shown at Rear of House (XX.X V.O.).
 Lot dimensions have been omitted on this plan, refer to the recorded plat for this information.
 * May Require Extra Deep Foundation

BENCHMARKS:
 BM #1: Small RR spike in 2nd PP north of K-42 Highway, west side of Maize
 Elev. = 143.61 (City Datum)
 BM #2: Small RR spike in PP east of East 1/4 Corner (G)
 Elev. = 147.00 (City Datum)
 BM #3: "C" Top Headwall southeast corner K-42 Highway and Maize (County BM with City Datum)
 Elev. = 144.04 (City Datum)

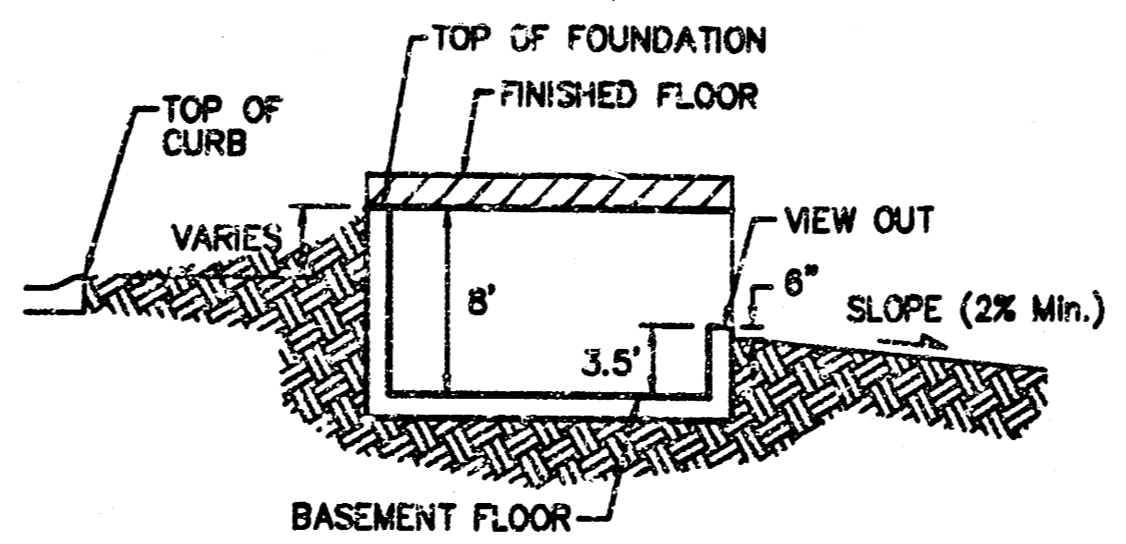
RESERVE "A"
GRADING PLAN
 DATE: OCTOBER 13, 2004
 PHASE 1 ONLY
 Lots 1-31, Block A
 Lots 1-30, Block B



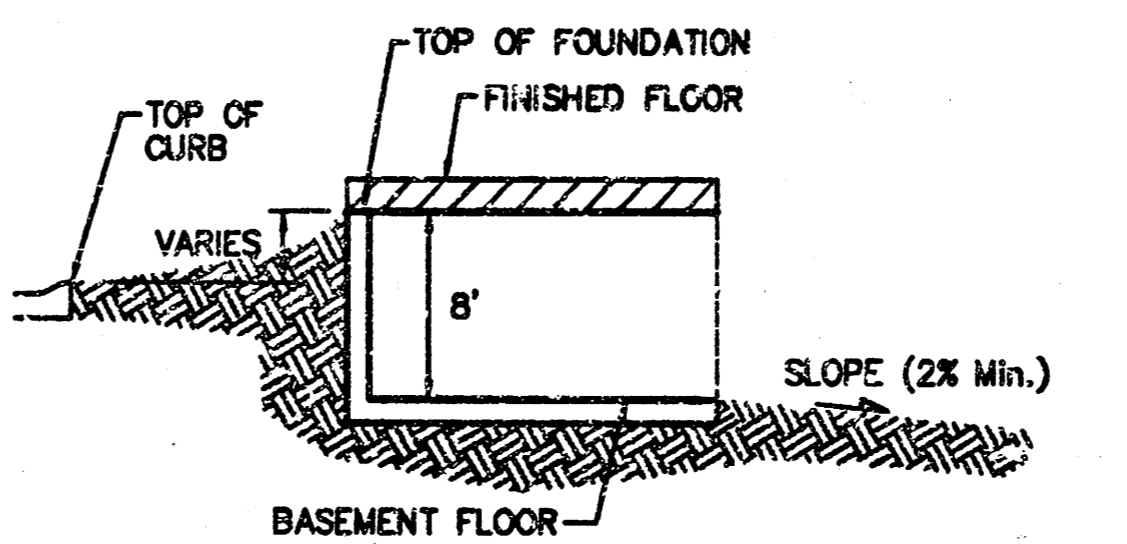
LOT	BLOCK	ELEVATION	
		CITY DATUM	NGVD29
16-22	B	144.5	1331.9
24-36	B	144.5	1331.9
40-47	B	144.5	1331.9



TYPICAL NON-VIEW OUT DETAIL
 NO SCALE



TYPICAL VIEW OUT DETAIL
 NO SCALE



TYPICAL WALK OUT DETAIL
 NO SCALE

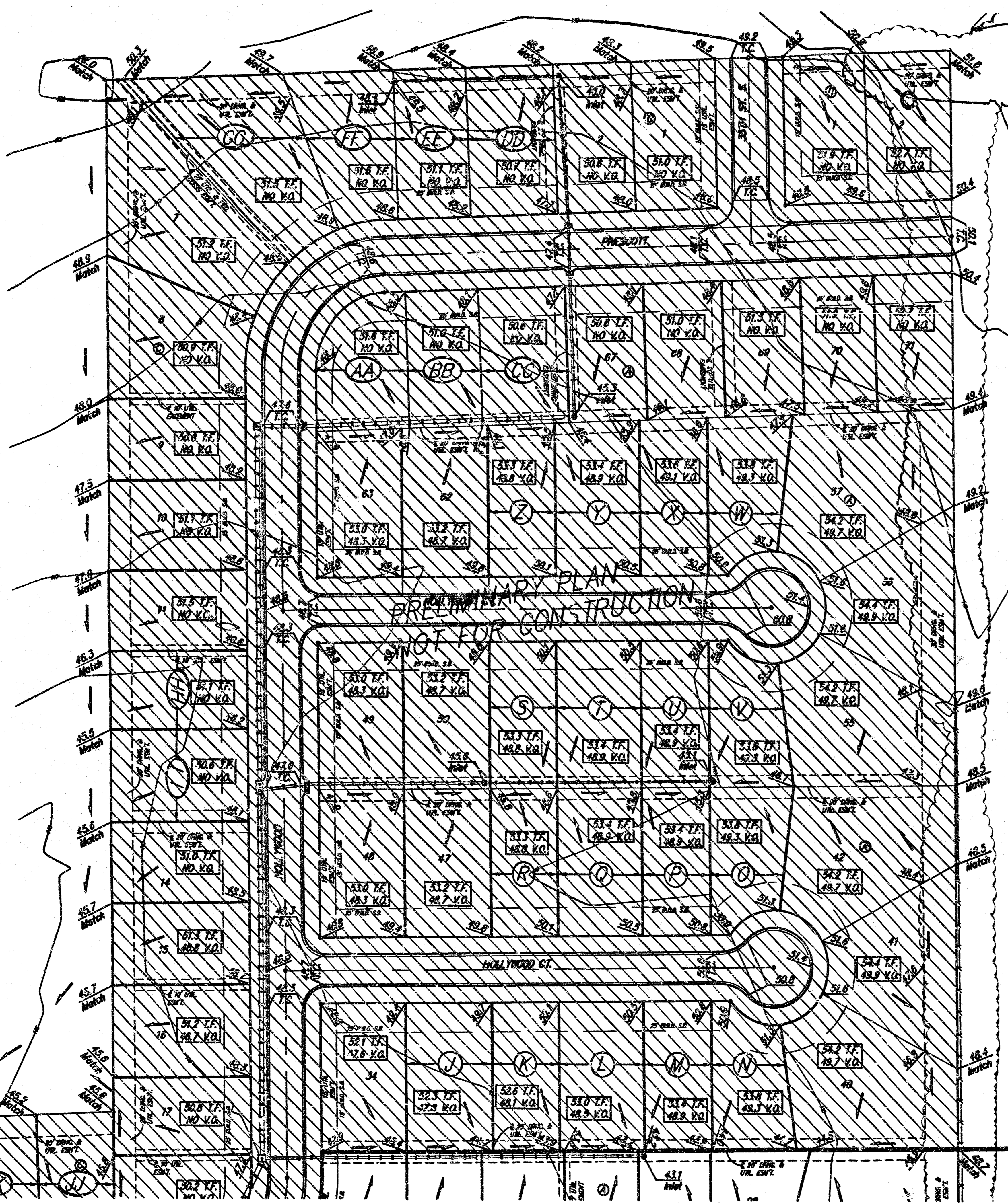
Revised 10-13-2004

GRADING PLAN
 WICHITA, SEDGWICK COUNTY, KANSAS

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 318-262-7271 • 318 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER: _____ SHEET: **2** OF **3**

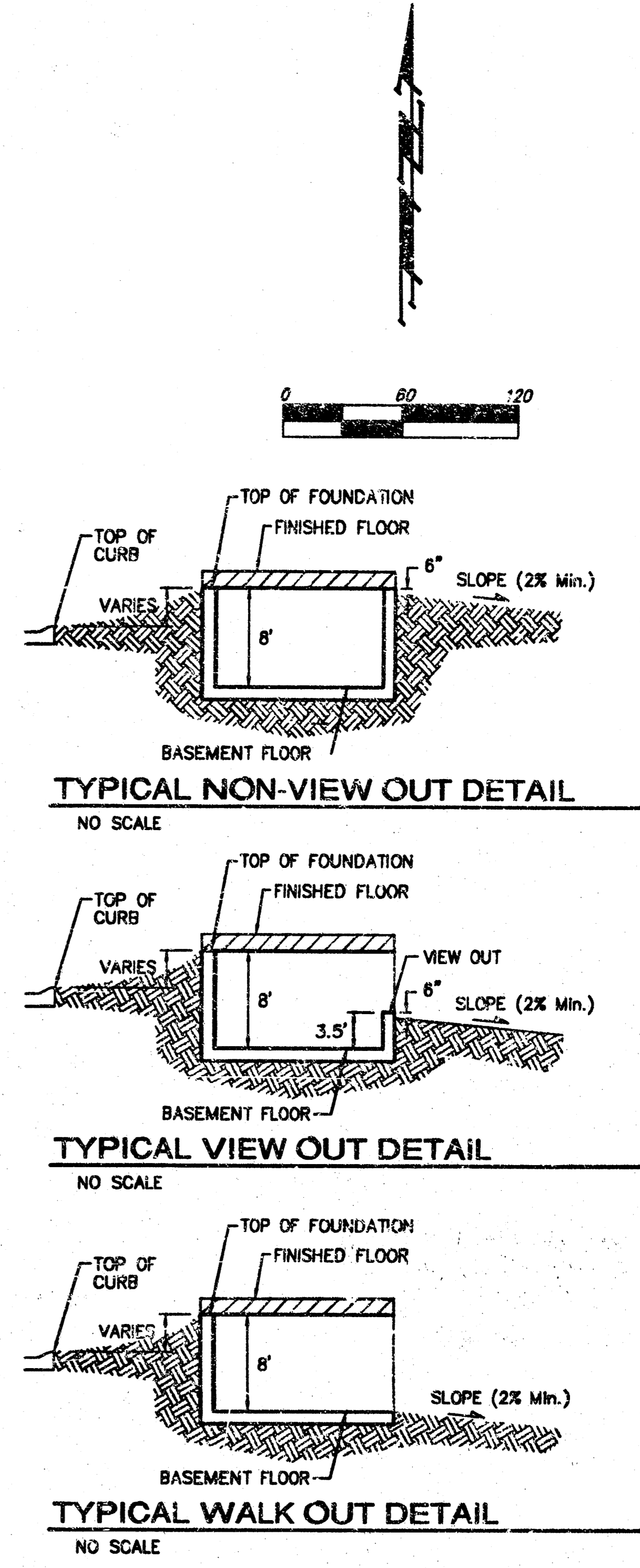
DESIGN: E.L.C. DRAWN: M.W.S. APPROVED: _____ DATE: 03/22/04 SCALE: 1"=60'



GRADING PLAN
 DATE: OCTOBER 13, 2004
 PHASE 1 ONLY
 Lots 1-31, Block A
 Lots 1-30, Block B

BENCHMARK:
 BM #1: Small RR spike in 2nd PP north of K-42 Highway, west side of Maize
 Elev = 143.61 (City Datum)
 BM #2: Small RR spike in PP east of East 1/4 Corner (G)
 Elev = 147.00 (City Datum)
 BM #3: "□" Top Headwall southeast corner K-42 Highway and Maize (County BM with City Datum)
 Elev = 144.04 (City Datum)

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES			
LOT	BLOCK	ELEVATION	
		CITY DATUM	NGVD29
16-22	B	144.5	1,331.9
24-38	B	144.5	1,331.9
40-47	B	144.5	1,331.9



NOTES:
 Proposed Top of Foundation Elevations Are Shown On Plans. Contractor to Set Finished Floor Elevations.
 All Street Elevations Shown on Plans Are for Top of Curb (Full-Height).
 This Grading Plan is Designed with View-Outs. Elevations Shown at Rear of House (GCX V.O.).
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Revised 10-13-2004

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 318-202-7271 • 318 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER: _____ SHEET: 3

DESIGN: BLG DRAWN: MWS APPROVED: _____ DATE: 03/22/04 SCALE: 1"=60'