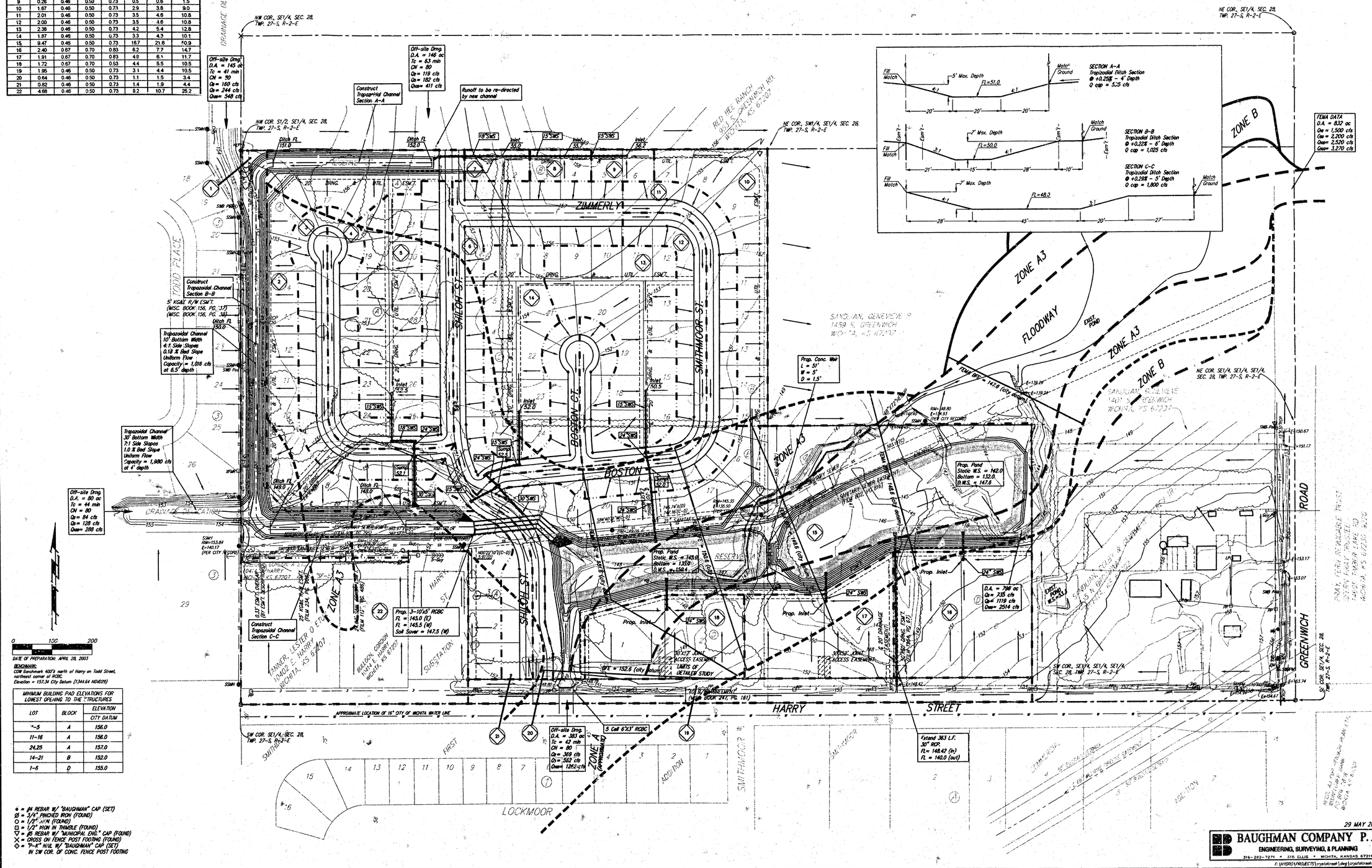
DRAINAGE PLAN
CRYSTAL CREEK ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS

Crystal Creek Addition – Rational Method – Q = cia – tc = 16 min.

Basin	Area	C_2	C_5	C_{100}	Q_2 (cfs)	Q_5 (cfs)	Q_{100} (cfs)
1	3.55	0.46	0.50	0.73	6.3	8.1	19.1
2	3.43	0.46	0.50	0.73	6.0	7.9	18.5
3	1.56	0.46	0.50	0.73	2.7	3.6	8.4
4	2.42	0.46	0.50	0.73	4.3	5.5	13.0
5	1.89	0.46	0.50	0.73	3.3	4.3	10.2
6	3.37	0.46	0.50	0.73	5.9	7.7	18.1
7	0.28	0.46	0.50	0.73	0.5	0.6	1.5
8	0.27	0.46	0.50	0.73	0.5	0.6	1.5
9	0.26	0.46	0.50	0.73	0.5	0.6	1.5
10	1.67	0.46	0.50	0.73	2.9	3.8	9.0
11	2.01	0.46	0.50	0.73	3.5	4.6	10.8
12	2.00	0.46	0.50	0.73	3.5	4.6	10.8
13	2.38	0.46	0.50	0.73	4.2	5.4	12.8
14	1.87	0.46	0.50	0.73	3.3	4.3	10.1
15	9.47	0.46	0.50	0.73	16.7	21.6	50.9
16	2.40	0.67	0.70	0.83	6.2	7.7	14.7
17	1.91	0.67	0.70	0.83	4.9	6.1	11.7
18	1.72	0.67	0.70	0.83	4.4	5.5	10.5
19	1.95	0.46	0.50	0.73	3.1	4.4	10.5
20	0.64	0.46	0.50	0.73	1.1	1.5	3.4
21	0.82	0.46	0.50	0.73	1.4	1.9	4.4
22	4.68	0.46	0.50	0.73	8.2	10.7	25.2



DATE OF PREPARATION: APRIL 28, 2003

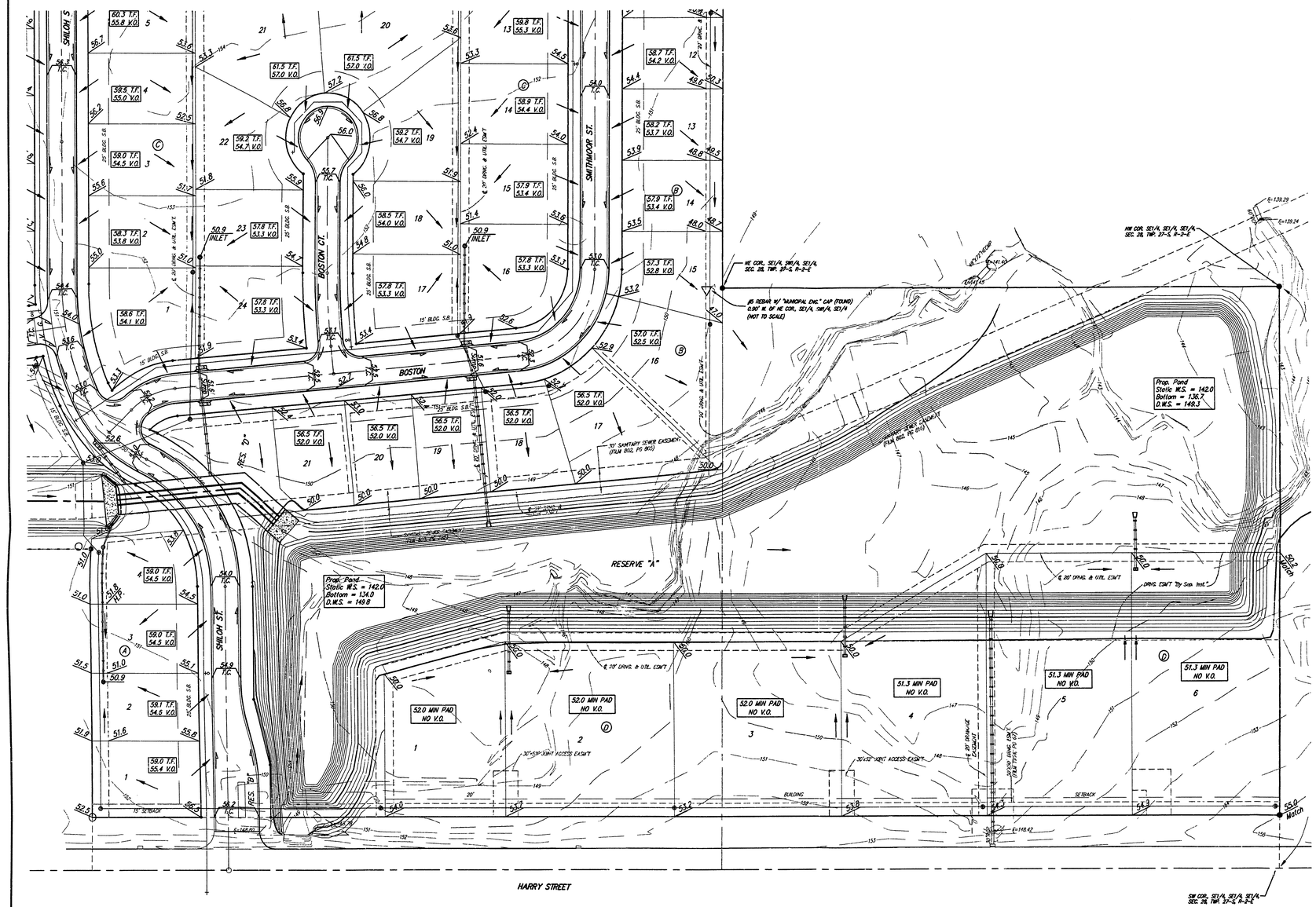
BENCHMARK:
COW Benchmark 400's north of Harry on Todd Street, northeast corner of RCBC
Elevation = 1317.34 City Datum (1344.64 NGVD29)

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES		
LOT	BLOCK	ELEVATION CITY DATUM
1–5	A	156.0
11–16	A	156.0
24,25	A	157.0
14–21	B	152.0
1–6	D	155.0

● = #4 REBAR W/ "BAUGHMAN" CAP (SET)
Ø = 3/4" PINCHED IRON (FOUND)
○ = 1/2" IRON (FOUND)
□ = 1/2" IRON IN THIMBLE (FOUND)
▽ = #5 REBAR W/ "MUNICIPAL ENG." CAP (FOUND)
✕ = CROSS ON FENCE POST FOOTING (FOUND)
◇ = "P-K" NAIL W/ "BAUGHMAN" CAP (SET) IN SW COR. OF CONC. FENCE POST FOOTING

29 MAY 2003

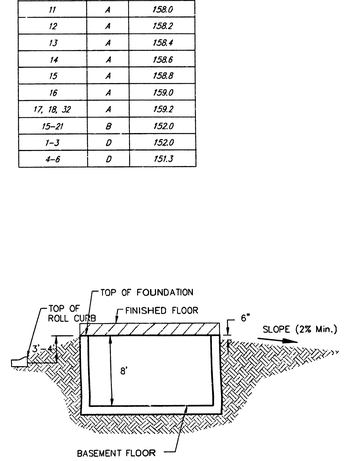
BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211
F:\HYDRO\PROJECTS\crystalcreek\dwg\crystalcreek1.dwg–SD2



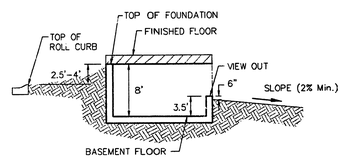
BENCHMARK:
COW Benchmark 400'± north of Harry on Todd Street, northeast corner of RCBC.
Elevation = 157.34 City Datum (1344.64 NGVD29)

SCALE: 1" = 60'
• = Iron

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES		
LOT	BLOCK	ELEVATION CITY DATUM
4	A	154.5
5	A	154.5
6	A	154.5
7	A	155.2
8	A	155.8
9	A	156.0
10	A	157.5
11	A	158.0
12	A	158.2
13	A	158.4
14	A	158.6
15	A	158.8
16	A	159.0
17, 18, 32	A	159.2
15–21	B	152.0
1–3	D	152.0
4–6	D	151.3



TYPICAL NON–VIEW OUT
NO SCALE



TYPICAL VIEW OUT
NO SCALE

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.

This Grading Plan is Designed with View–Outs.

Elevations Shown at Rear of House (XX.X V.O.)

Lot dimensions have been ommited on this plan, refer to the recorded plat for this information.

* -- Extra Deep Foundation May Be Required

CRYSTAL CREEK ADDITION
MASTER GRADING PLAN
CITY OF WICHITA, KANSAS

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316–262–7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER					SHEET
DESIGN	DRAWN	APPROVED	DATE	SCALE	2 OF 2
SCL	SCL	SCL	05/11/04	1"=60'	

03-03-P049
GRADE.DWG