

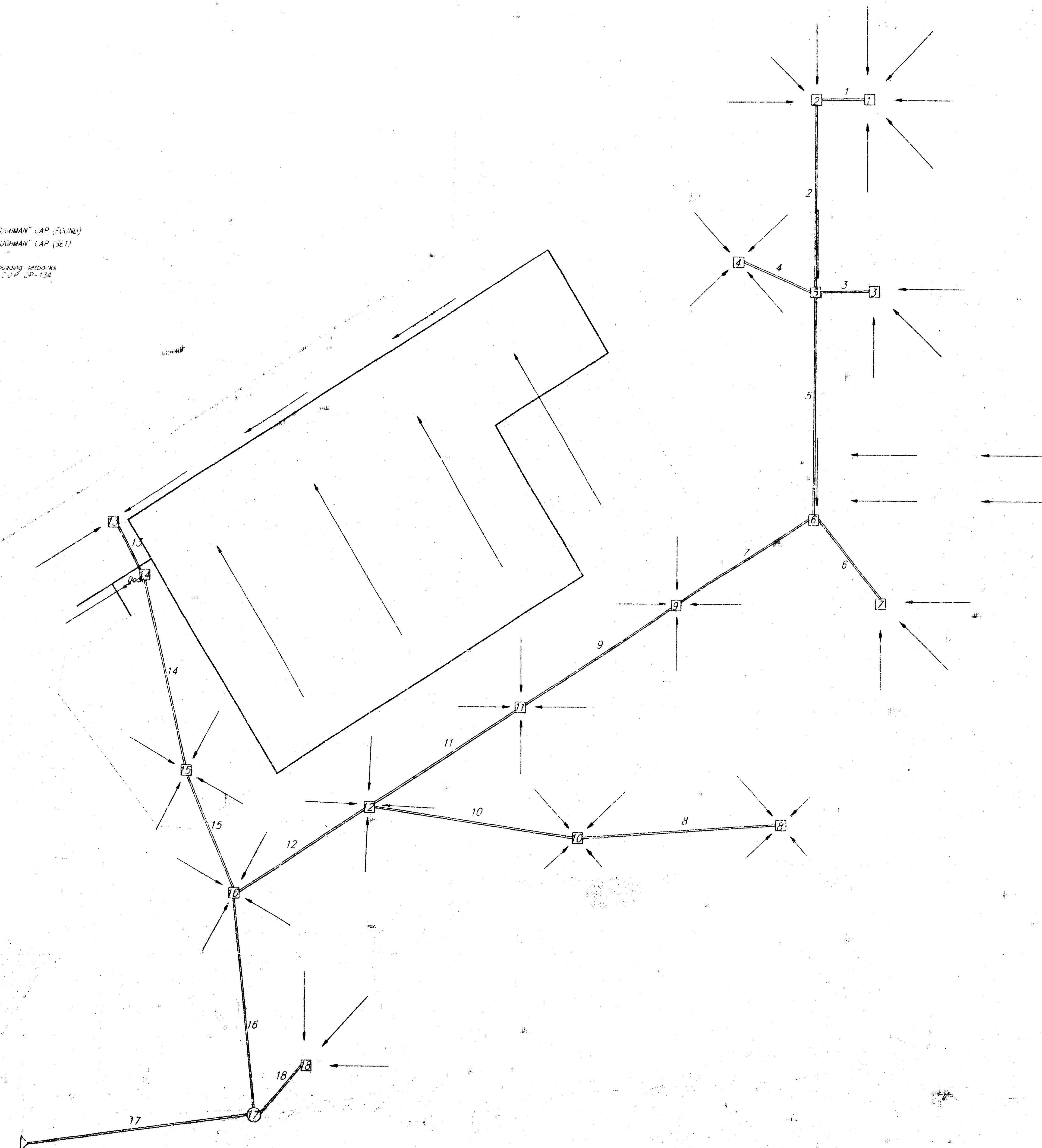


Scale 1" = 60'

MINIMUM BUILDING FAD ELEVATIONS FOR LOWEST OPENING OF STRUCTURE		
Lot & Block	City Datum	MSL
1 - BKA	1416	1529.0

BENCH MARK: City also located on the NE corner of Centre and Maize in island. Elev = 146.00 (city datum)

○ = 1/2" REBAR W/ BAUGHMAN CAP (FOUND)
● = 1/2" REBAR W/ BAUGHMAN CAP (SET)
NOTE: For additional building setbacks see subdivision plat 12-13



Node	Area (sq. ft.)	CS (ft.)	Flow (cfs)
1	1.84	7.55	12.20
2	0.1	0.41	0.66
3	1.03	4.23	6.83
4	1.38	5.66	9.15
5	0.1	0.41	0.66
6	0.3	1.23	1.99
7	1.49	8.11	3.88
8	0.5	2.05	1.32
9	0.5	2.05	3.32
10	0.5	2.05	3.32
11	0.5	2.05	3.32
12	0.77	3.16	5.17
13	4.26	17.48	28.28
14	0.05	0.21	0.33
15	0.69	2.83	4.58
16	0.28	1.15	1.86
17	0	0.00	0.00
18	0.73	3.00	4.84

Pipe No.	Q (cfs)	Pipe Size (in.)	Velocity (ft./sec.)	Friction Loss (ft./100 ft.)	Flow (cfs)
1	7.55	21	2.405288	0.4375	0.005012
2	7.96	21	2.405288	0.4375	0.005575
3	4.23	15	1.227188	0.3125	0.004568
4	5.66	18	1.76715	0.375	0.006419
5	18.26	30	4.90875	0.625	0.004378
6	6.11	18	1.76715	0.375	0.007485
7	25.61	36	7.0686	0.75	0.003255
8	2.05	15	1.227188	0.3125	0.002228
9	27.66	36	7.0686	0.75	0.003798
10	4.10	18	1.76715	0.375	0.003371
11	29.71	36	7.0686	0.75	0.004382
12	35.98	36	7.0686	0.75	0.006787
13	17.48	30	4.90875	0.625	0.004012
14	17.59	30	4.90875	0.625	0.004107
15	20.52	30	4.90875	0.625	0.005527
16	58.65	48	12.5664	1	0.003681
17	61.64	48	12.5664	1	0.004068
18	3.00	15	1.227188	0.3125	0.00478

Revised 7-2-94

**TIMBER GROVE 2ND ADDITION
DRAINAGE PLAN**
WICHITA, SEDGWICK COUNTY, KANSAS

BAUGHMAN COMPANY P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER: 10-11-12-13-14-15-16-17-18

DESIGN: [] DRAWN: [] APPROVED: [] DATE: 6-24-94 SCALE: 1"=60'

SHEET 1 OF 1