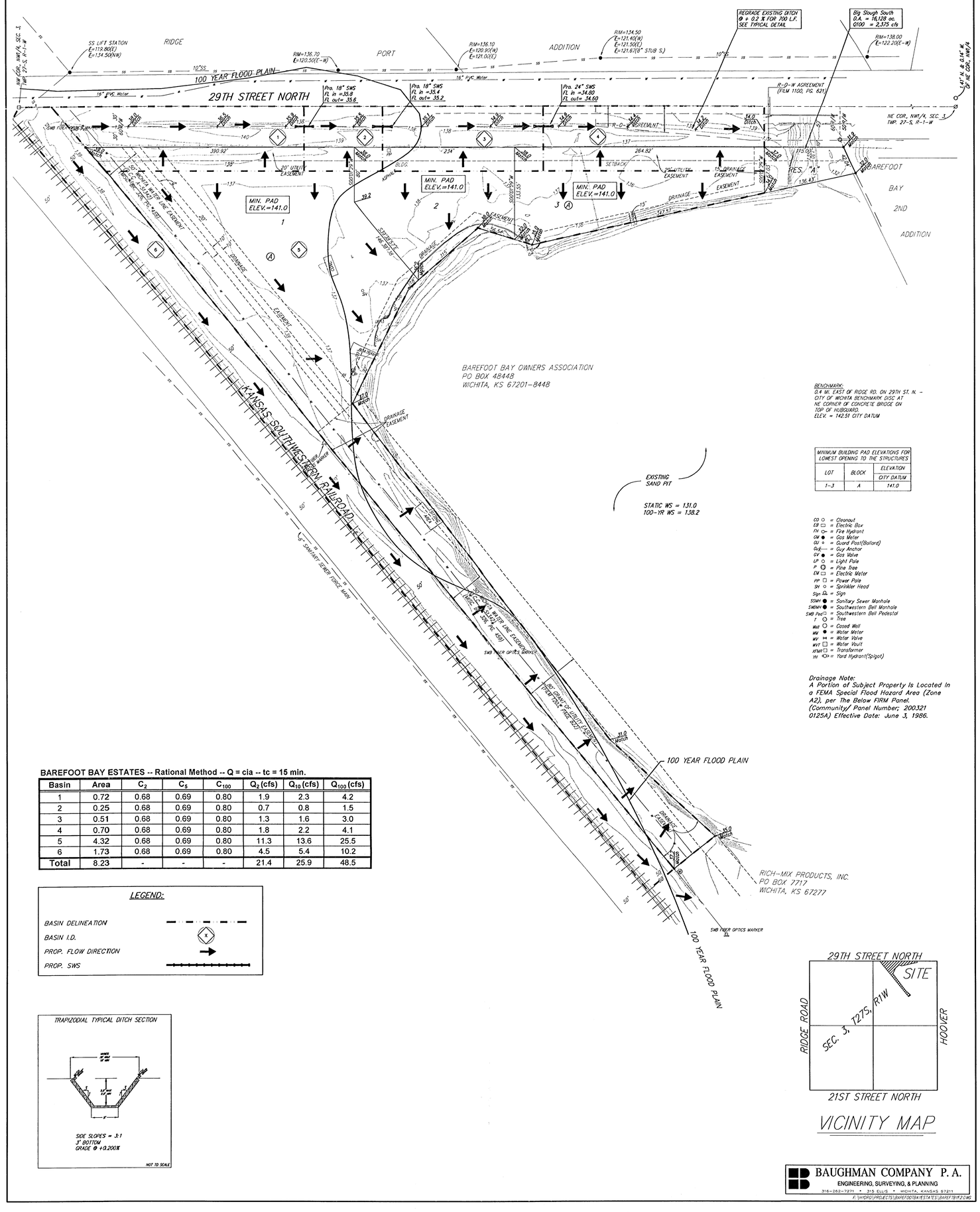
DRAINAGE & GRADING PLAN
BAREFOOT BAY ESTATES
WICHITA, SEDGWICK COUNTY, KANSAS

0 60 120

● = ½" REBAR W/ "BAUGHMAN" CAP (SET)
◉ = ½" REBAR W/ "MKEC" CAP (FOUND)
○ = 3/4" IRON W/ "PEC" CAP (FOUND)
⊙ = 3/4" IRON (FOUND)
□ = 1/2" IRON IN THIMBLE (FOUND)



BAREFOOT BAY OWNERS ASSOCIATION
PO BOX 48448
WICHITA, KS 67201-8448

BENCHMARK:
0.4 MI. EAST OF RIDGE RD. ON 29TH ST. N. - CITY OF WICHITA BENCHMARK DISC AT NE CORNER OF CONCRETE BRIDGE ON TOP OF HUBGUARD.
ELEV. = 142.51 CITY DATUM

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES		
LOT	BLOCK	ELEVATION CITY DATUM
1-3	A	141.0

CO ○ = Cleanout
EB □ = Electric Box
FH ⟳ = Fire Hydrant
GM ● = Gas Meter
GU ▫ = Guard Post(Bollard)
GUE ⟵ = Guy Anchor
GV ● = Gas Valve
LP ○ = Light Pole
P ⊗ = Pine Tree
EM □ = Electric Meter
PP □ = Power Pole
SH ○ = Sprinkler Head
Sign ⍾ = Sign
SSMH ● = Sanitary Sewer Manhole
SWBMH ● = Southwestern Bell Manhole
SWB Ped □ = Southwestern Bell Pedestal
T ○ = Tree
WeB ○ = Cased Well
WM ● = Water Meter
WV ⋈ = Water Valve
WVT □ = Water Vault
XFMR □ = Transformer
YH ⟲ = Yard Hydrant(Spigot)

Drainage Note:
A Portion of Subject Property Is Located In a FEMA Special Flood Hazard Area (Zone A2), per The Below FIRM Panel. (Community/ Panel Number; 200321 0125A) Effective Date: June 3, 1986.

BAREFOOT BAY ESTATES -- Rational Method -- Q = cia -- tc = 15 min.

Basin	Area	C_2	C_5	C_{100}	Q_2 (cfs)	Q_{10} (cfs)	Q_{100} (cfs)
1	0.72	0.68	0.69	0.80	1.9	2.3	4.2
2	0.25	0.68	0.69	0.80	0.7	0.8	1.5
3	0.51	0.68	0.69	0.80	1.3	1.6	3.0
4	0.70	0.68	0.69	0.80	1.8	2.2	4.1
5	4.32	0.68	0.69	0.80	11.3	13.6	25.5
6	1.73	0.68	0.69	0.80	4.5	5.4	10.2
Total	8.23	-	-	-	21.4	25.9	48.5

LEGEND:
BASIN DELINEATION
BASIN I.D.
PROP. FLOW DIRECTION
PROP. SWS

TRAPIZODIAL TYPICAL DITCH SECTION

SIDE SLOPES = 3:1
3' BOTTOM
GRADE @ +0.200%
NOT TO SCALE

VICINITY MAP

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