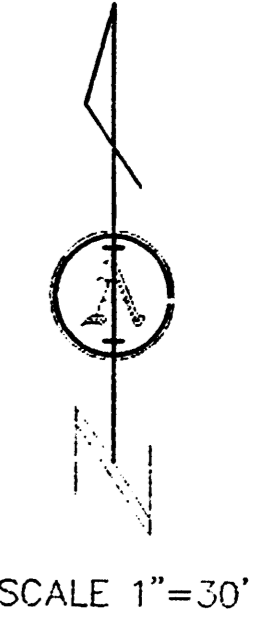


Banuelos Addition

DRAINAGE PLAN FOR BANUELOS ADDITION TO SEDGWICK COUNTY, KANSAS

Owner: Francisco C. Banuelos
2209 N. Waco
Wichita, KS 67204



T.F. info.
V.O.

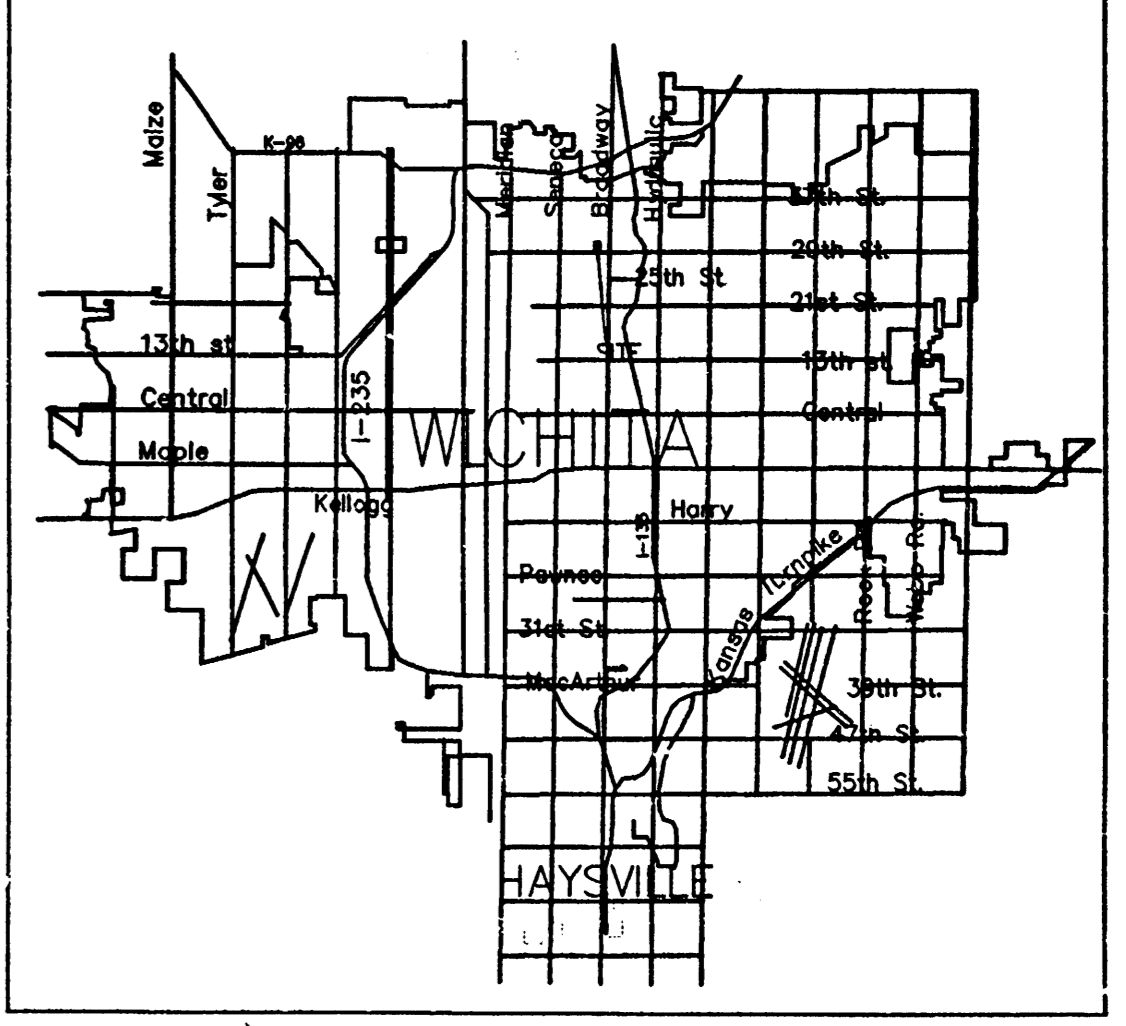
LEGEND

- - set 5/8" rebar & "Armstrong" cap
- - found 1" iron pipe
- ⊙ - found Thimble
- - found 1/2" iron pipe
- - concrete monument found
- M - measured distance
- P - plot distance
- cm - calculated from measured distance
- - property line
- - center line
- - easement line
- - setback line
- - underground utility
- - chainlink fence
- - cable TV riser
- - telephone riser
- - fire hydrant
- - elec. transformer
- - power pole
- - manhole
- - light pole
- - gas meter
- - gas valve
- - water meter
- - water valve
- - sign

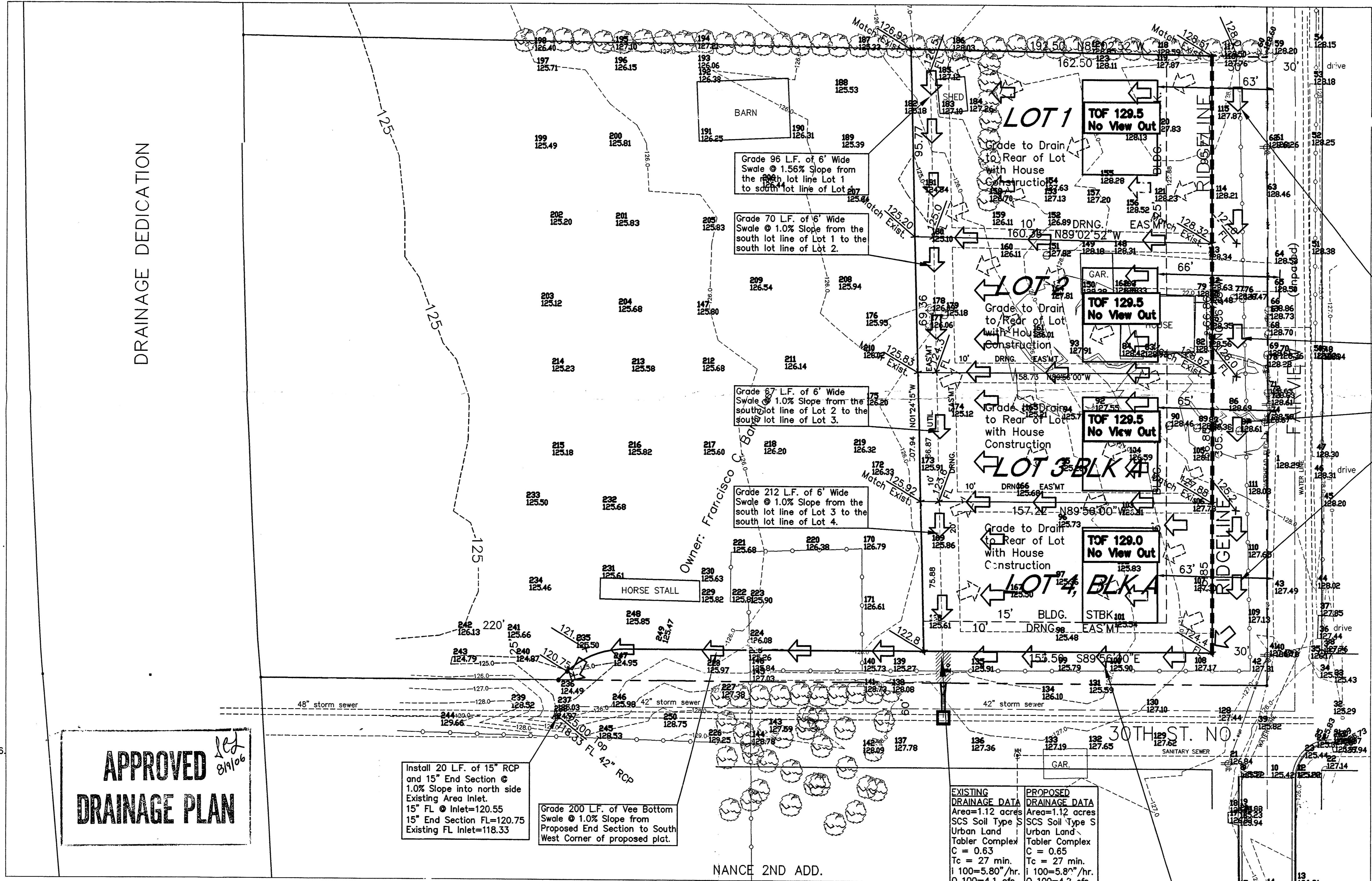
- = Proposed Drainage Flow Direction with house developed in middle of lot
- = Existing Drainage Flow Direction
- = Existing Ridge Line

- Grade Vee Bottom Drainage Swale @ 1.00% Slope within right-of-way to drain.
- Grade Vee Bottom Drainage Swale @ 1.5% Slope within right-of-way to drain.
- Grade Vee Bottom Drainage Swale @ 1.2% Slope within right-of-way to drain.
- Grade Vee Bottom Drainage Swale @ 1.1% Slope within right-of-way to drain.

LOCATION MAP

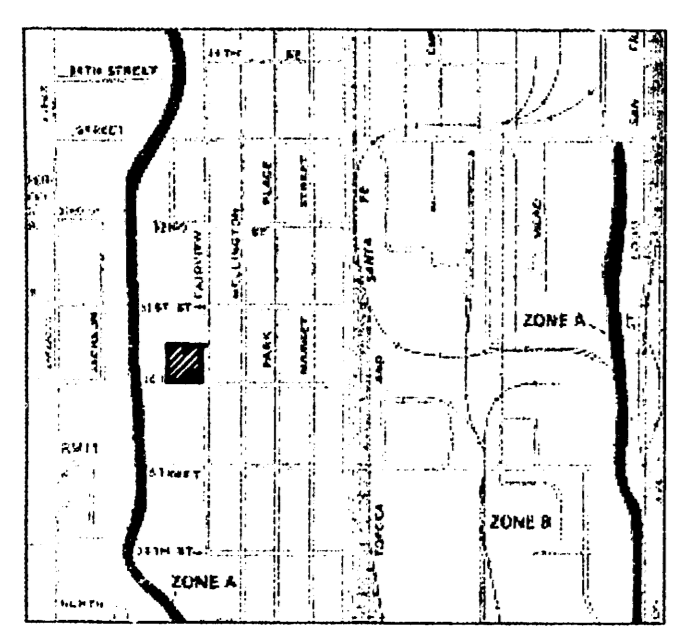


DRAINAGE DEDICATION



FLOOD ZONE MAP

Sec. 32, T26S, R1E

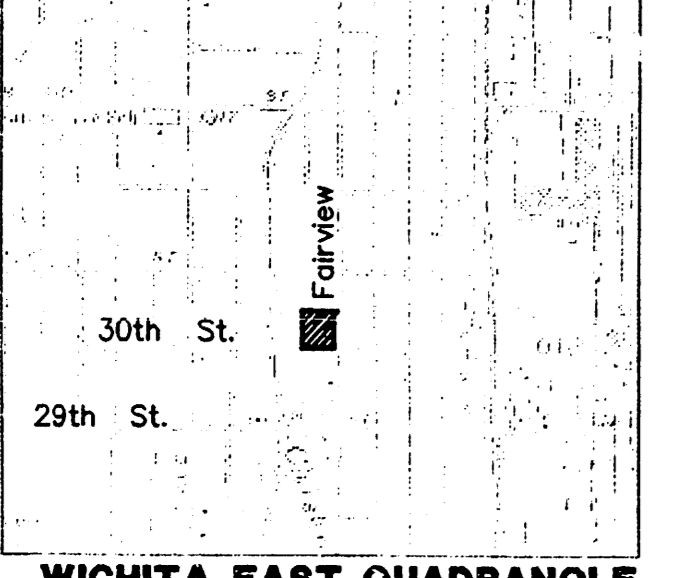


SCALE: 1" = 2,000'

FLOOD ZONE:
Subject property is in Zone B, as shown of Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for Sedgwick County, Kansas, Community Panel Number 20032B 0010 B, effective May 15, 1986.

QUADRANGLE MAP

Sec. 32, T26S, R1E



WICHITA EAST QUADRANGLE
7.5 Minute Series
SCALE: 1" = 2,000'

APPROVED DRAINAGE PLAN

Install 20 L.F. of 15" RCP and 15' End Section @ 1.0% Slope into north side Existing Area Inlet.
15" FL @ Inlet=120.55
15" End Section FL=120.75
Existing FL Inlet=118.33

Grade 200 L.F. of Vee Bottom Swale @ 1.0% Slope from Proposed End Section to South West Corner of proposed plat.

EXISTING DRAINAGE DATA	PROPOSED DRAINAGE DATA
Area=1.12 acres	Area=1.12 acres
SCS Soil Type S	SCS Soil Type S
Urban Land	Urban Land
Tabler Complex	Tabler Complex
C = 0.65	C = 0.65
Tc = 27 min.	Tc = 27 min.
I 100=5.80"/hr.	I 100=5.80"/hr.
Q 100=4.1 cfs	Q 100=4.2 cfs

Grade 156 L.F. of Vee Bottom Swale @ 1.0% Slope from the east lot line of Lot 4 to the west lot line of Lot 4.

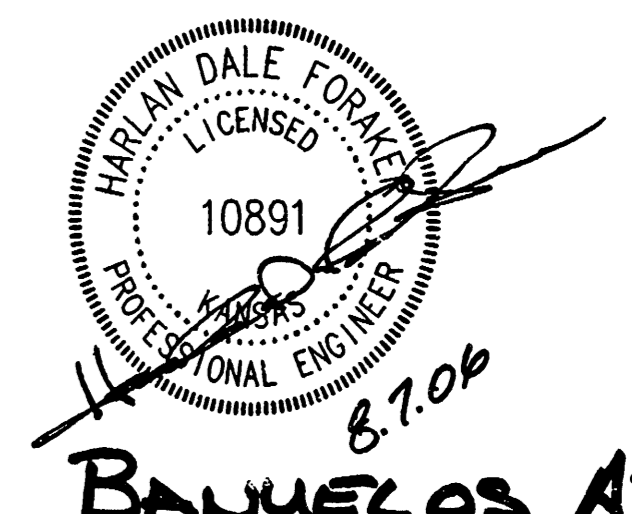
SURVEY DISCLAIMER:
TOPOGRAPHIC SURVEY AND CONTOUR MAP USED IN PREPARING PLANS WAS PROVIDED BY ARMSTRONG LAND SURVEY, P.A., 250 N. MATHEWSON, WICHITA, KS. ENGINEER DOES NOT GUARANTEE SURVEY ELEVATIONS FOR ACCURACY. CONTRACTOR SHALL VERIFY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

REV. 03-30-2006 Revised DP for four lot layout
DRAINAGE PLAN PREPARED BY:
CERTIFIED ENGINEERING DESIGN, P.A.
CED
810 WEST DOUGLAS, SUITE C
WICHITA, KANSAS 67203
PH: (316) 262-8808
FAX: (316) 262-1669



ARMSTRONG LAND SURVEY, P.A.

1001 E HARRY
WICHITA, KANSAS 67211
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FAX - (316) 263-0082



BANUELOS ADD'N

Revised - 8-7-06