

DRAINAGE PLAN FOR BANUELOS ADDITION TO SEDGWICK COUNTY, KANSAS

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

SCALE 1"=30'

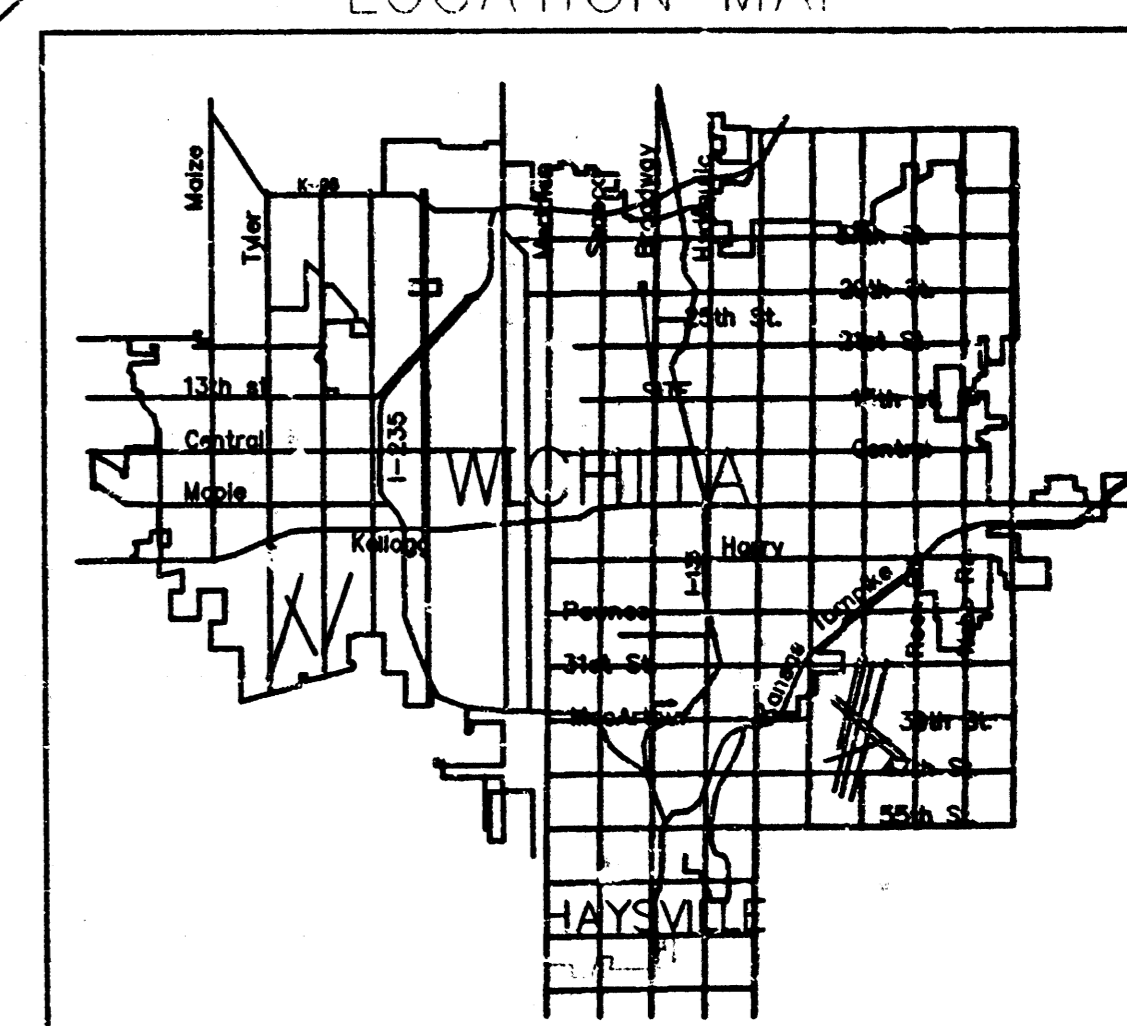
LEGEND

- - 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 "ser
- - fire hydrant
- - elec. transformer
- - air conditioner
- - power pole
- - manhole
- - light pole
- - gas meter
- - gas valve
- - water meter
- - water valve
- - sign

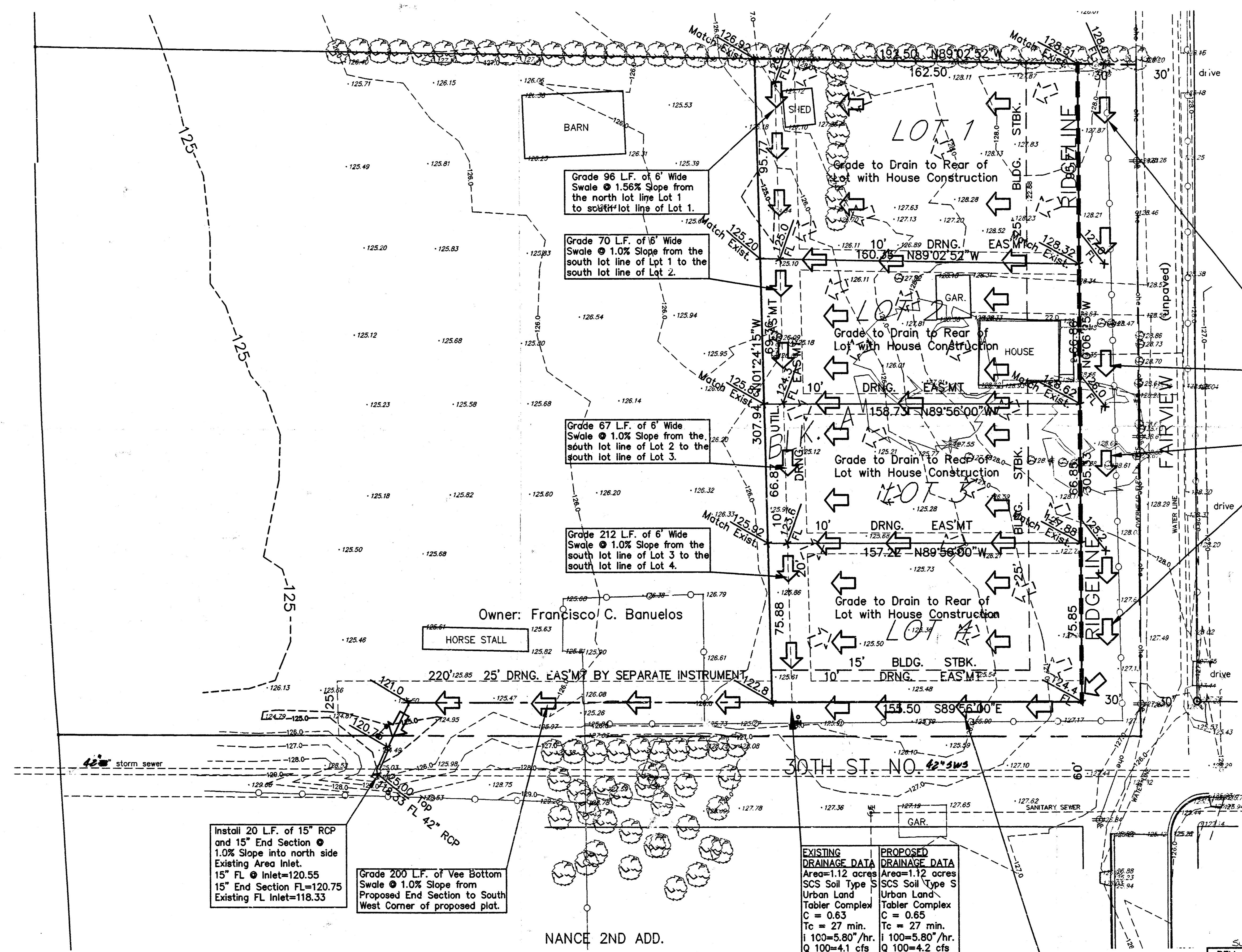
- = Proposed Drainage Flow Direction with house developed in middle of lot
- = Existing Drainage Flow Direction
- = Existing Ridge Line

- 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.

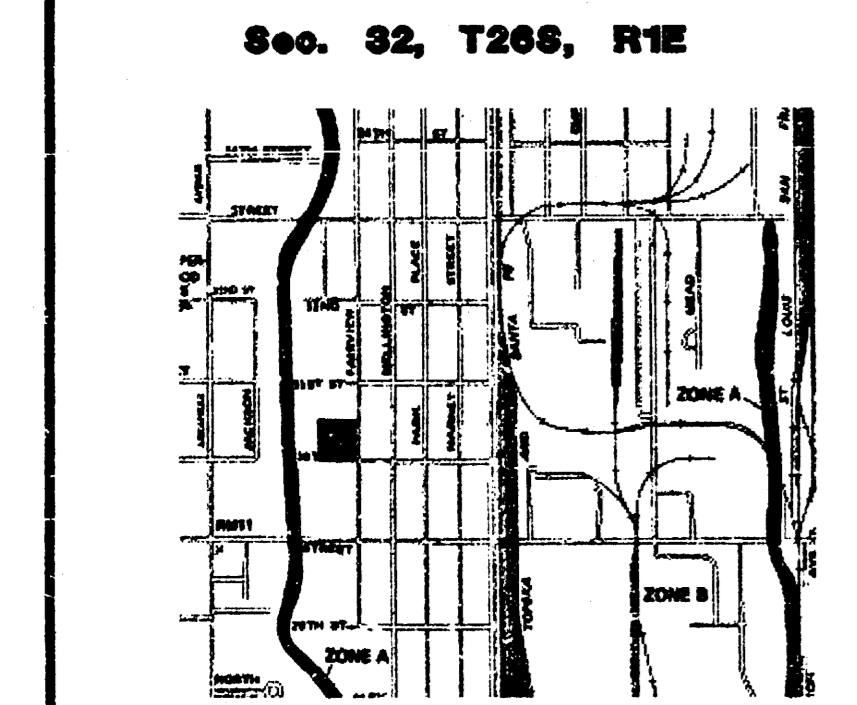
LOCATION MAP



DRAINAGE DEDICATION

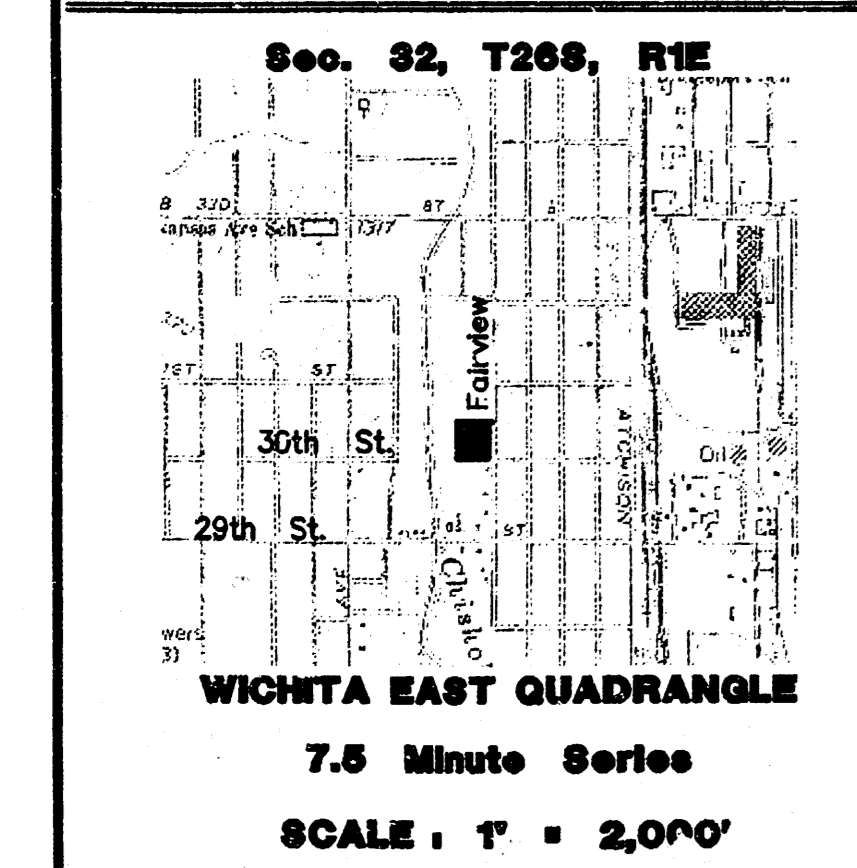


FLOOD ZONE MAP



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 200328 0010 B, effective May 15, 1986.

QUADRANGLE MAP



**APPROVED
DRAINAGE PLAN**
8/14/06

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

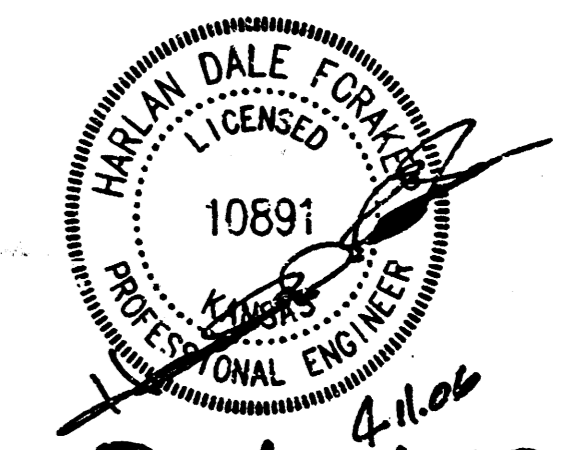
Grade 200 L.F. of Vee Bottom Swale @ 1.0% Slope from Proposed End Section to South West Corner of proposed plot.

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 = 0.63	C = 0.65
Tc = 27 min.	Tc = 27 min.
Q 100=5.80"/hr.	Q 100=5.80"/hr.
Q 100=4.1 cfs	Q 100=4.2 cfs

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:
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BANUELOS ADDN