

Drainage Area = 3.3 acres
 16 = 15 min.

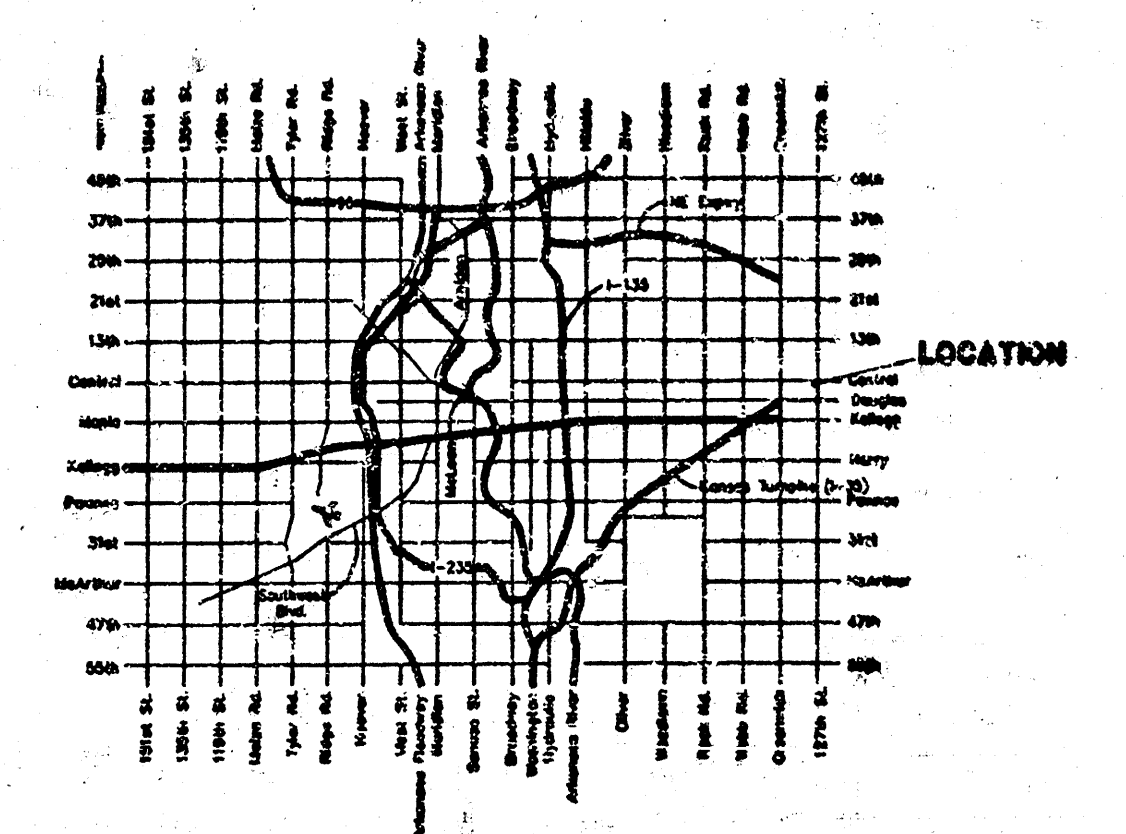
Existing Conditions	Developed w/o Detention
$C = 0.40$	$C = 0.85$
$C_1 = 8.0 \text{ cfs}$	$C_1 = 12 \text{ cfs}$
$C_2 = 8.7 \text{ cfs}$	$C_2 = 21 \text{ cfs}$

Detention Area shall be designed to reduce the developed flowrates to existing conditions.

Parabola Area	Area (cc)	Cu	Cu*	Ts (min.)	Is (hr/yr)	1-in (hr/yr)	Qz (cts)	Qw (cts)
1	3.3	0.85	0.85	15	4.56	7.6	12.8	20.1
2	0.8	0.85	0.85	15	4.56	7.36	3.1	5.5
3	0.2	0.85	0.85	15	4.56	7.36	0.8	1.3
4	1.0	0.85	0.85	15	4.56	7.36	3.9	6.3
5	0.6	0.85	0.85	15	4.56	7.36	2.3	3.6
6	0.9	0.85	0.85	15	4.56	7.36	3.5	5.6
7	0.2	0.85	0.85	15	4.56	7.36	0.8	1.3
8	0.8	0.85	0.85	15	4.56	7.36	3.1	5.0

- = JIM BEARBY JR. "BAUGHMANN" CAP (SE)
 ⊙ = PW NAE (FOUND)
 ⊙ = 1ST WOM IN THUNDER (FOUND)
 ⊙ = PLUG IN (CIGARETTE FOUND)
 ⊙ = MAG NAE IN SHOWER (FOUND)
 BENCHMARCH: ☐ 2ND SW COR.
 TRAFFIC SIGNAL BASE.
- CR ☞ = Catch Basin
 CR ○ = Caisson
 CR ⊙ = 1ST Industrial
 EB ⊙ = Electric Box
 FH ○ = Fire Hydrant
 GH ⊙ = Gas Meter
 GH ⊙ = Guy Anchor
 GV ⊙ = Gas Valve
 H/P ⊙ = High Line Pole
 I/C ⊙ = Irrigation Control Valve
 LP ⊙ = Light Pole
 M ⊙ = Mail Box
 M/O ⊙ = Monitoring Well
 PW ⊙ = Pipeline Manhole
 pp ⊙ = Power Pole
 sp ⊙ = Street Pole
 Sgn ⊙ = Sign
 SS&H ⊙ = Sanitary Sewer Manhole
 SS&H ⊙ = Southwestern Bell Manhole
 SWP Part ⊙ = Southwestern Bell Potentiometer
 SWP ⊙ = Stormwater Sewer Manhole
 T ○ = Tree
 TB ⊙ = Traffic Box
 TB ⊙ = Traffic Manhole
 W ⊙ = Cased Well
 W ⊙ = Water Meter
 W ⊙ = Water Valve
 WVT ⊙ = Water Vault
 WT ⊙ = Transformer

 = Drainage Basin Boundary
 = Drainage Basin Identifier
 = Flow Direction



NOTE: The proposed drainage plan provided herein is a generally defined plan to follow for design. It is recognized and assumed that upon the final design of site layout and grading within this plot that the designer will modify or alter the general drainage plan as necessary in order to implement the installation of the improvements to obtain the most economical design and construction possible.