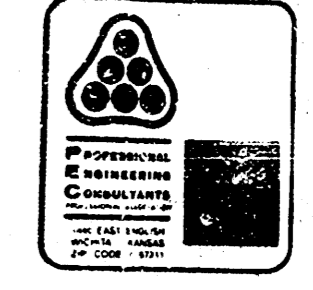


MEMO



TO: City of Wichita
Engineering Dept.
PROJECT: Westway Add'n.

PROJECT NO. 36-64510-1014

COPIES TO: Ernest Nagley, M.P.D.
ATTN: Mr. Carl Gipson, P.E.
DATE: May 27, 1966

FROM: Charles S. Brown, P.E.

REFERENCE: Revised Drainage Plan

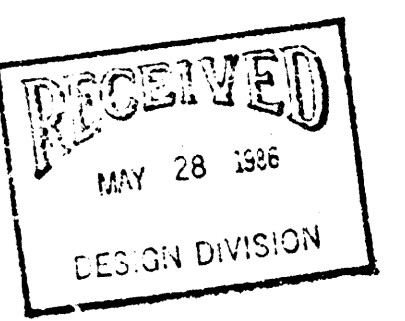
PLEASE ADVISE IMMEDIATELY OF ANY MISCONCEPTIONS OR OMISSIONS YOU BELIEVE TO BE CONTAINED HEREIN.

Transmitted herewith are two (2) prints of the revised Drainage Plan for Westway Addition to Wichita.

The drainage plan has been revised to note that the combined maximum allowable discharge from Sub-Basins 1 through 4 is limited to 25 cfs.

The preliminary plan was approved by the Subdivision Committee on May 22, 1966, subject to this drainage revision.

If you have any questions, please advise.
CSB/nkm



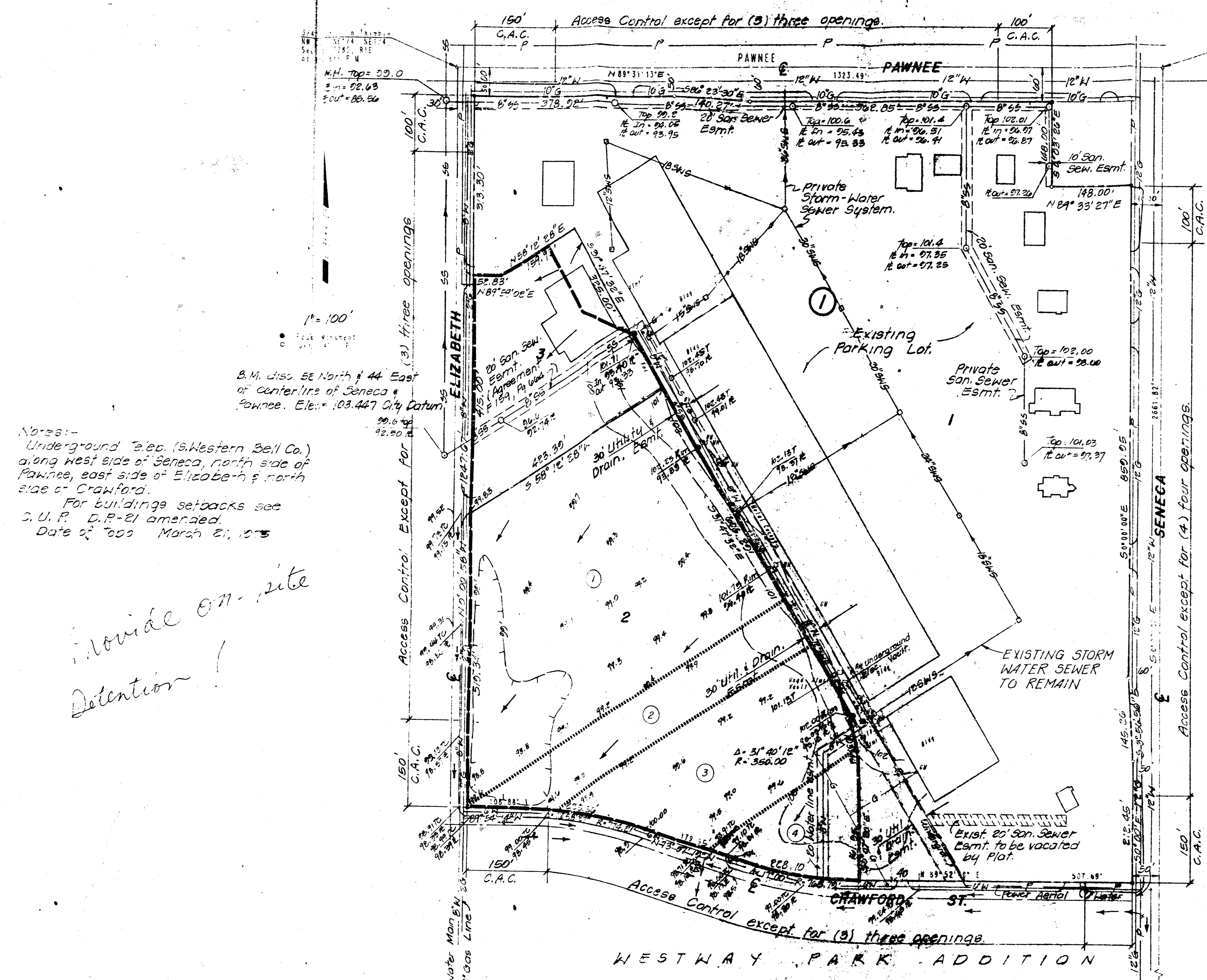
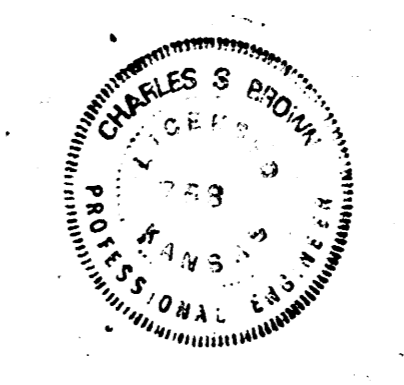
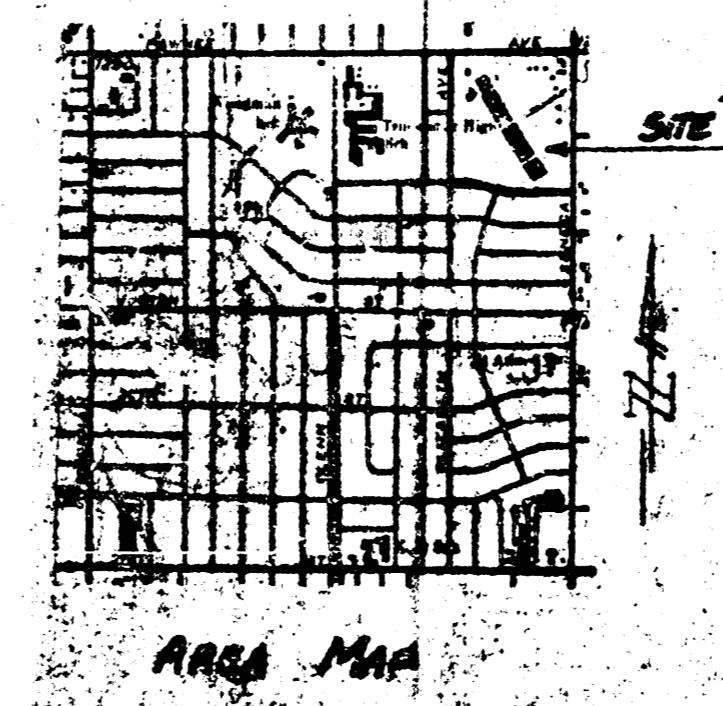
**DRAINAGE PLAN
WESTWAY
Wichita, Sedgwick County, Kansas.**

Owner/Developer: Phil Ruffin P.O. Box 17087 Wichita, Ks.
Engineer: P.E.C. p.a.
1440 English, Wichita, Ks. 67211

- Notes:
1. Lots 1 & 3 shall continue to be drained via existing streets & private storm water sewer system.
 2. Lot 2 shall be graded to drain to existing streets, gutters, and/or storm water sewer systems via drives, flumes, private storm sewers and/or other approved drainage facilities.

LEGEND

- DRAINAGE BASIN BOUNDARY
- DRAINAGE SUB-BASIN BOUNDARY
- DRAINAGE FLOW DIRECTION
- ② SUB-BASIN NUMBER



Notes:-
Underground 2" dia. (Western Bell Co.) along West side of Seneca, north side of Pawnee, east side of Elizabeth & north side of Crawford.
For building setbacks see S.U.P. D.F-21 amended. Date of 7005 March 21, 1965

Provide on-site Detention!

Date: 5-16-66 Page 2 of 4
Project: Westway
Item: Drainage

SUBAREA NO. 2

A. Existing Conditions

Q = CIA
C = 0.3
L₁ = 45 min
I₁ = 2.00 I₁₀₀ = 4.35
A = 13.46
Q₁ = 0.3 x 2.00 x 1.3
Q₂ = 0.9 cfs
Depth of St. Flow = 0.17'

B. Proposed Conditions

Q = CIA
C = 0.9
L₁ = 15 min
I₁ = 3.83 I₁₀₀ = 7.37
A = 1.3
Q₁ = 0.9 x 3.83 x 1.3
Q₂ = 4.5 cfs

Date: 5-16-66 Page 3 of 4
Project: Westway
Item: Drainage

SUBAREA NO. 3

A. Existing Conditions

Q = CIA
C = 0.3
L₁ = 40 min
I₁ = 2.24 I₁₀₀ = 4.64
A = 3.146
Q₁ = 0.3 x 2.24 x 2.1
Q₂ = 1.4 cfs
Depth of St. Flow = 0.24'

B. Proposed Conditions

Q = CIA
C = 0.9
L₁ = 15 min
I₁ = 3.83 I₁₀₀ = 7.37
A = 2.1
Q₁ = 0.9 x 3.83 x 2.1
Q₂ = 7.0 cfs

Date: May 16, 1966 Page 4 of 4
Project: Westway
Item: Drainage

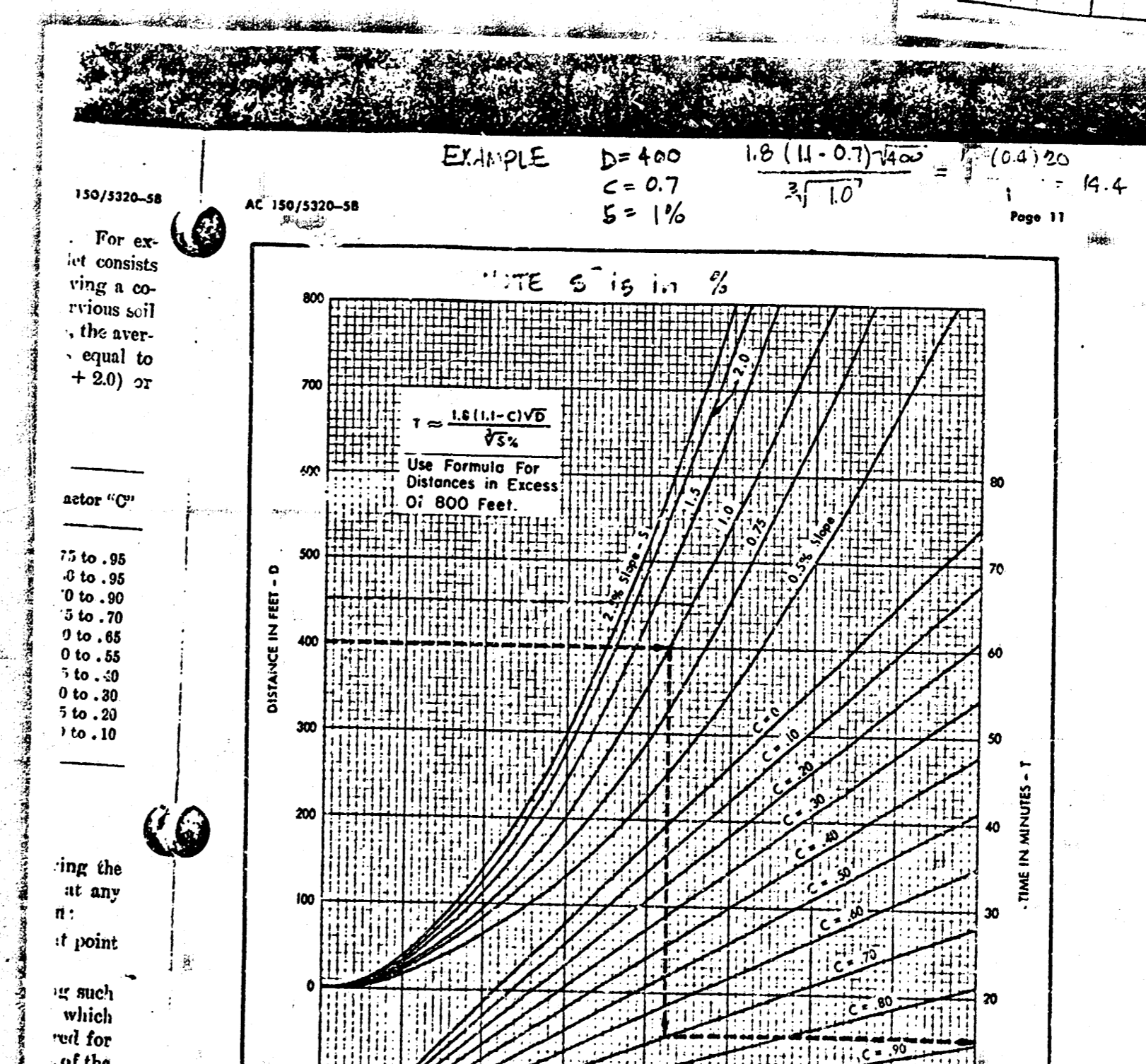
SUBAREA NO. 4

A. Existing Conditions

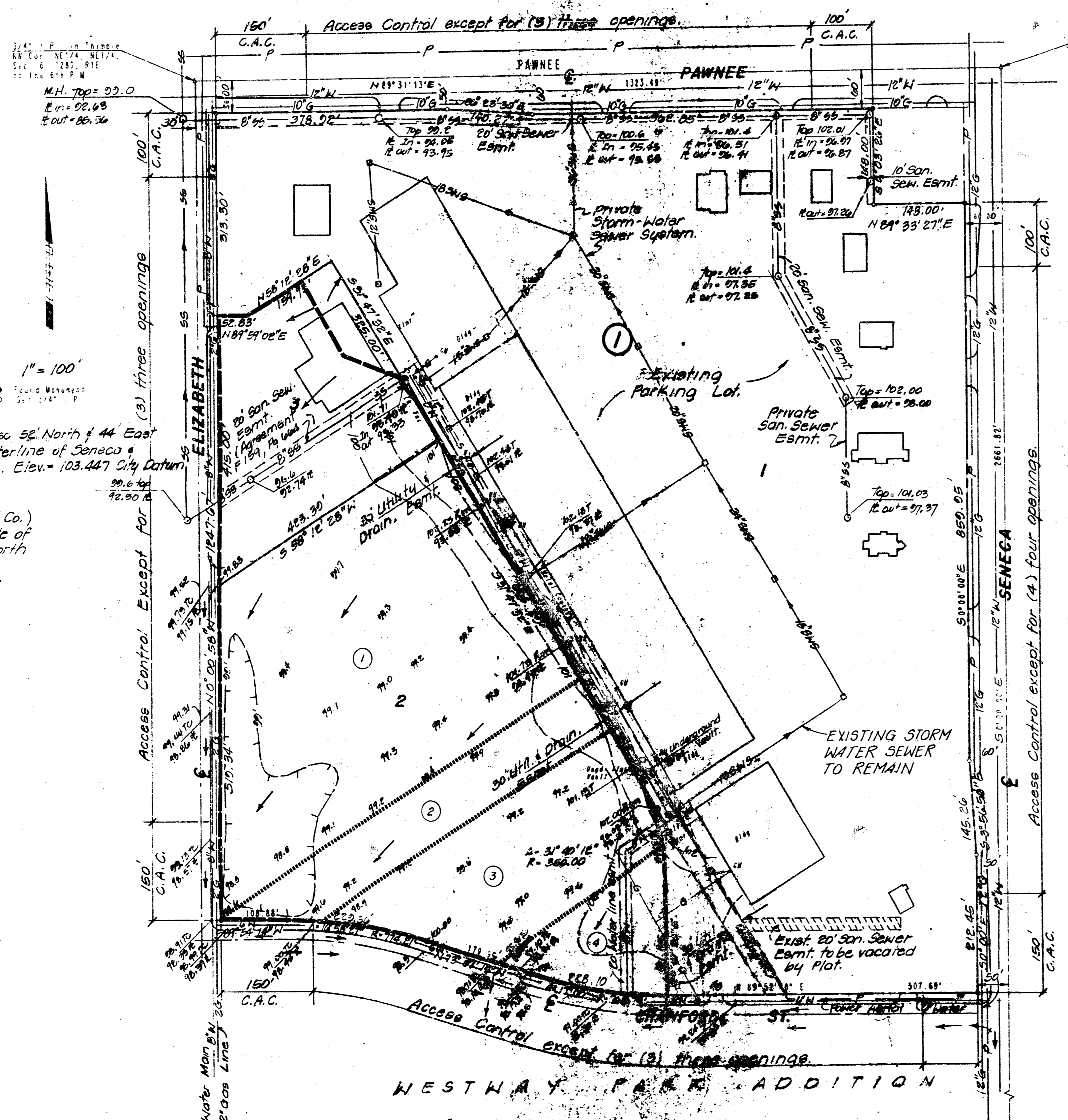
Q = CIA
C = 0.3
L₁ = 20 min
I₁ = 3.93 I₁₀₀ = 4.53
A = 0.816
Q₁ = 0.3 x 3.93 x 0.8
Q₂ = 0.9 cfs
Depth of St. Flow = 0.21'

B. Proposed Conditions

Q = CIA
C = 0.9
L₁ = 15 min
I₁ = 3.83 I₁₀₀ = 7.37
A = 0.816
Q₁ = 0.9 x 3.83 x 0.8
Q₂ = 4.5 cfs



STATION	VERTICAL CURVE DATA	GRADE DATA	STATION	VERTICAL CURVE DATA	GRADE DATA
1+00	10.00	10.00	1+00	10.00	10.00
1+10	10.00	10.00	1+10	10.00	10.00
1+20	10.00	10.00	1+20	10.00	10.00
1+30	10.00	10.00	1+30	10.00	10.00
1+40	10.00	10.00	1+40	10.00	10.00
1+50	10.00	10.00	1+50	10.00	10.00
1+60	10.00	10.00	1+60	10.00	10.00
1+70	10.00	10.00	1+70	10.00	10.00
1+80	10.00	10.00	1+80	10.00	10.00
1+90	10.00	10.00	1+90	10.00	10.00
2+00	10.00	10.00	2+00	10.00	10.00
2+10	10.00	10.00	2+10	10.00	10.00
2+20	10.00	10.00	2+20	10.00	10.00
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2+40	10.00	10.00	2+40	10.00	10.00
2+50	10.00	10.00	2+50	10.00	10.00
2+60	10.00	10.00	2+60	10.00	10.00
2+70	10.00	10.00	2+70	10.00	10.00
2+80	10.00	10.00	2+80	10.00	10.00
2+90	10.00	10.00	2+90	10.00	10.00
3+00	10.00	10.00	3+00	10.00	10.00
3+10	10.00	10.00	3+10	10.00	10.00
3+20	10.00	10.00	3+20	10.00	10.00
3+30	10.00	10.00	3+30	10.00	10.00
3+40	10.00	10.00	3+40	10.00	10.00
3+50	10.00	10.00	3+50	10.00	10.00
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3+70	10.00	10.00	3+70	10.00	10.00
3+80	10.00	10.00	3+80	10.00	10.00
3+90	10.00	10.00	3+90	10.00	10.00
4+00	10.00	10.00	4+00	10.00	10.00
4+10	10.00	10.00	4+10	10.00	10.00
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4+70	10.00	10.00	4+70	10.00	10.00
4+80	10.00	10.00	4+80	10.00	10.00
4+90	10.00	10.00	4+90	10.00	10.00
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5+90	10.00	10.00	5+90	10.00	10.00
6+00	10.00	10.00	6+00	10.00	10.00
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6+90	10.00	10.00	6+90	10.00	10.00
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7+60	10.00	10.00	7+60	10.00	10.00
7+70	10.00	10.00	7+70	10.00	10.00
7+80	10.00	10.00	7+80	10.00	10.00
7+90	10.00	10.00	7+90	10.00	10.00
8+00	10.00	10.00	8+00	10.00	10.00
8+10	10.00	10.00	8+10	10.00	10.00
8+20	10.00	10.00	8+20	10.00	10.00
8+30	10.00	10.00	8+30	10.00	10.00
8+40	10.00	10.00	8+40	10.00	10.00
8+50	10.00	10.00	8+50	10.00	10.00
8+60	10.00	10.00	8+60	10.00	10.00
8+70	10.00	10.00	8+70	10.00	10.00
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8+90	10.00	10.00	8+90	10.00	10.00
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9+20	10.00	10.00	9+20	10.00	10.00
9+30	10.00	10.00	9+30	10.00	10.00
9+40	10.00	10.00	9+40	10.00	10.00
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9+60	10.00	10.00	9+60	10.00	10.00
9+70	10.00	10.00	9+70	10.00	10.00
9+80	10.00	10.00	9+80	10.00	10.00
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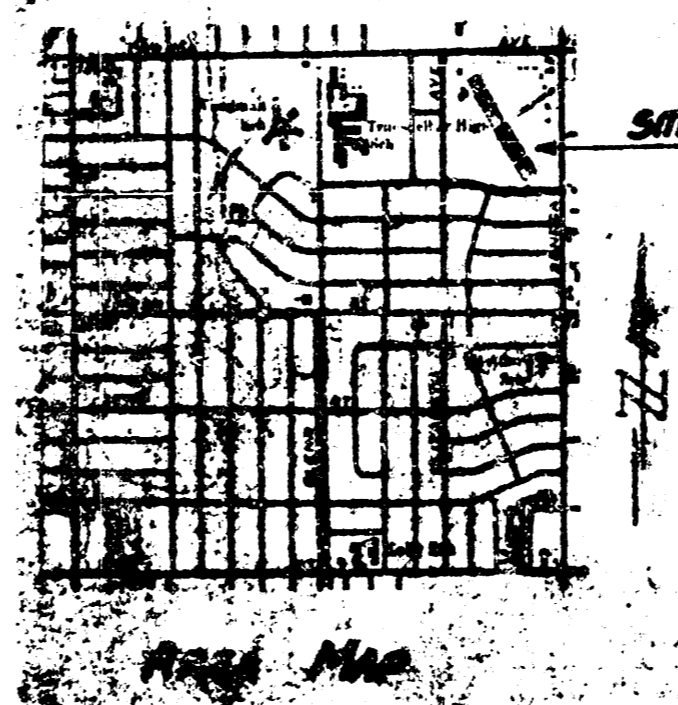
Notes:-
 Underground Telep. (S. Western Bell Co.)
 along west side of Seneca, north side of
 Pawnee, east side of Elizabeth & north
 side of Crawford.
 For building setbacks see
 C. U. P. D. P. - 21 amended.
 Date of Topo March 21, 1975

**APPROVED
 DRAINAGE PLAN**

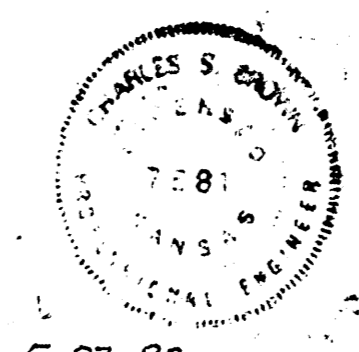
DRAINAGE PLAN 5-16-86
WESTWAY
 Wichita, Sedgwick County, Kansas

Owner/Developer: Phil Ruffin P.O. Box 17087 Wichita, Ks.
 Engineer: R.E.C. p.a.
 1440 English, Wichita, Ks. 67211

- Notes:
1. Lots 1 & 3 shall continue to be drained via existing streets & private storm water sewer system.
 2. Lot 2 shall be graded to drain to existing streets, gutters, and/or storm water sewer systems via drives, flumes, private storm sewers and/or other approved drainage facilities.
 3. The combined 100-yr runoff from Sub-Basins 1 through 4, inclusive shall be limited to 10 cfs.



- LEGEND**
- DRAINAGE BASIN BOUNDARY
 - DRAINAGE SUB-BASIN BOUNDARY
 - DRAINAGE FLOW DIRECTION
 - ② SUB-BASIN NUMBER



Revised 5-27-86

