

TABLE 9-2 (CONT)

ORDER OF SUBMERGENCE OF AUTOMATIC GATED STRUCTURES

Structure	Corresponding
Levee	Man-Outlet Feet
or	ual Invert Above Gate Stream Affecting
Order Station Bank Size Gate Elev. Zero No. C,eration	

IV CHISHOLM CREEK DIVERSION, MIDDLE, WEST AND MAIN BRANCH

1	1171+75	M	2-48"	Yes	1317.3	0.5	2	Chisholm
2	1126+60	M	2-60"	Yes	1313.0	1.1	2	Chisholm
3	1189+53	S	2-36"	Yes	1318.8	1.2	2	West Branch
4	1271+50	M	1-42"	No	1327.5	1.5	2	West Branch
5	1219+00	S	2-48"	No	1320.6	1.8	2	West Branch
6	1258+45	M	1-36"	No	1326.6	2.7	2	West Branch
7	1220+65	M	1-36"	No	1321.6	2.8	2	West Branch
8	1135+89	D	1-30"	No	1315.3	2.9	2	Middle Branch
9	1135+89	P	1-36"	No	1315.4	3.0	2	Middle Branch
10	1256+00	S	1-36"	No	1326.6	3.1	2	West Branch
11	1169+74	N	1-18"	No	1320.0	3.2	2	Chisholm
12	1199+90	A	1-36"	No	1327.5	3.6	2	Middle Branch
13	1270+00	S	1-24"	No	1329.5	3.7	2	West Branch
14	1082+70	D	1-18"	No	1311.0	3.9	2	Chisholm, Lit. Ark.
15	1254+50	N	2-48"	No	1329.4	4.2	2	Chisholm
16	1060+00	K	2-60"	Yes	1308.8	4.4	2	Chisholm, Lit. Ark.
17	1095+20	K	1-24"	No	1314.0	5.5	2	Chisholm, Lit. Ark.
18	1231+70	N	1-48"	No	1328.4	5.7	2	Chisholm
19	1242+85	N	1-36"	No	1330.4	6.3	2	Chisholm
20	1014+00	K	1-48"	No	1312.2	6.8	2	Chisholm, Lit. Ark.
21	1282+60	N	1-42"	No	1335.1	6.8	2	Chisholm
22	1284+80	N	1-30"	No	1335.6	7.1	2	Chisholm
23	1091+80	N	1-18"	No	1316.5	8.5	2	Middle Branch
24	1215+90	T	1-18"	No	1331.8	10.5	2	Chisholm
25*	1114+90	D-P	2-48"	No	1304.8	-	-	Under Floodway

V LITTLE ARKANSAS RIVER LEVELS

1	1104+50	L	1-36"	No	1312.0	2.0	2	Chisholm, Lit. Ark.
2	1129+50	K	1-36"	No	1313.5	3.5	2	Chisholm, Lit. Ark.
3	1178+00	K	1-30"	No	1315.5	5.5	2	Chisholm, Lit. Ark.
4	1189+80	L	1-18"	No	1316.5	6.5	2	Chisholm, Lit. Ark.
5	1139+95	K	1-30"	No	1316.5	6.5	2	Chisholm, Lit. Ark.
6	1155+15	L	1-48"	No	1317.6	7.6	2	Chisholm, Lit. Ark.
7	1167+65	L	1-18"	No	1318.0	8.0	2	Chisholm, Lit. Ark.
8	1133+20	L	1-36"	No	1322.3	12.3	2	Chisholm, Lit. Ark.

*No gates, drainage under floodway.

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TABLE 9-1 (CONT)

DRAINAGE STRUCTURE DATA AND INTERIOR PONDING REQUIREMENTS

Structure		Type of	Gate	Drainage	25-Year:				
Levee	Station	Size	Man-Auto	Area	Area	Pondage	Area	Covered	
ee	Station	Size	ual matet	(Acres)	No.	Elevat	(Acres)	Remarks	
S	1189+60	2-36"	x	x	135	19	26.3	9	
	1219+00	2-48"	x	x	335	20	28.9	21	
	1256+00	1-36"	x	x	41	22	Minor		Overflows
									to
	1270+00	1-24"	x		-	-	-		Overflows
									to
									1219+00
									1256+00
T	1215+90	1-18"	x	x	-	-	-	-	
P	1114+90	2-48"			915	9	1316.0	5	Under
									Floodway
A	1199+90	1-36"	x	x	57	-	Minor		Ponds in
									Roadside
									Ditch

9-03. Maintenance. Subparagraph 208.10(d) of the regulations contains the following pertinent requirements for maintenance of drainage structures:

"Adequate measures shall be taken to insure that inlet and outlet channels are kept open and that trash, drift, or debris is not allowed to accumulate near drainage structures. Flap gates and manually operated gates and valves on drainage structures shall be examined, oiled and trial operated at least once every 90 days. Periodic inspections shall be made by the Superintendent to be certain that:

a. Pipes, gates, operating mechanism, riprap and headwalls are in good condition.

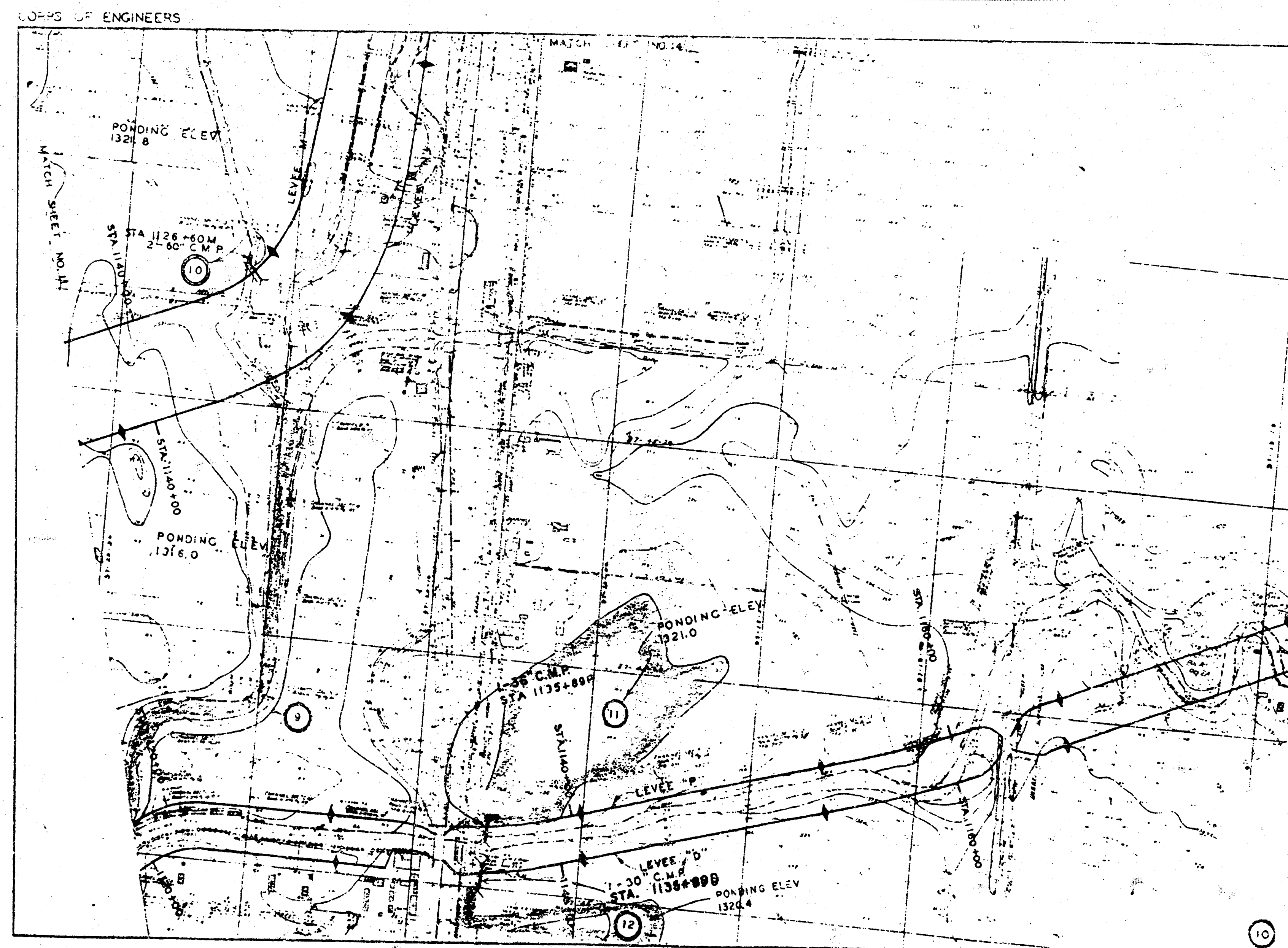
b. Inlet and outlet channels are open.

c. Care is being exercised to prevent the accumulation of trash and debris near the structures and that no fires are being built near bituminous-coated pipes.

d. Erosion is not occurring adjacent to the structure which might endanger its watertightness or stability.

e. Immediate steps will be taken to repair damage, replace missing or broken parts, or remedy adverse conditions disclosed by such inspections."

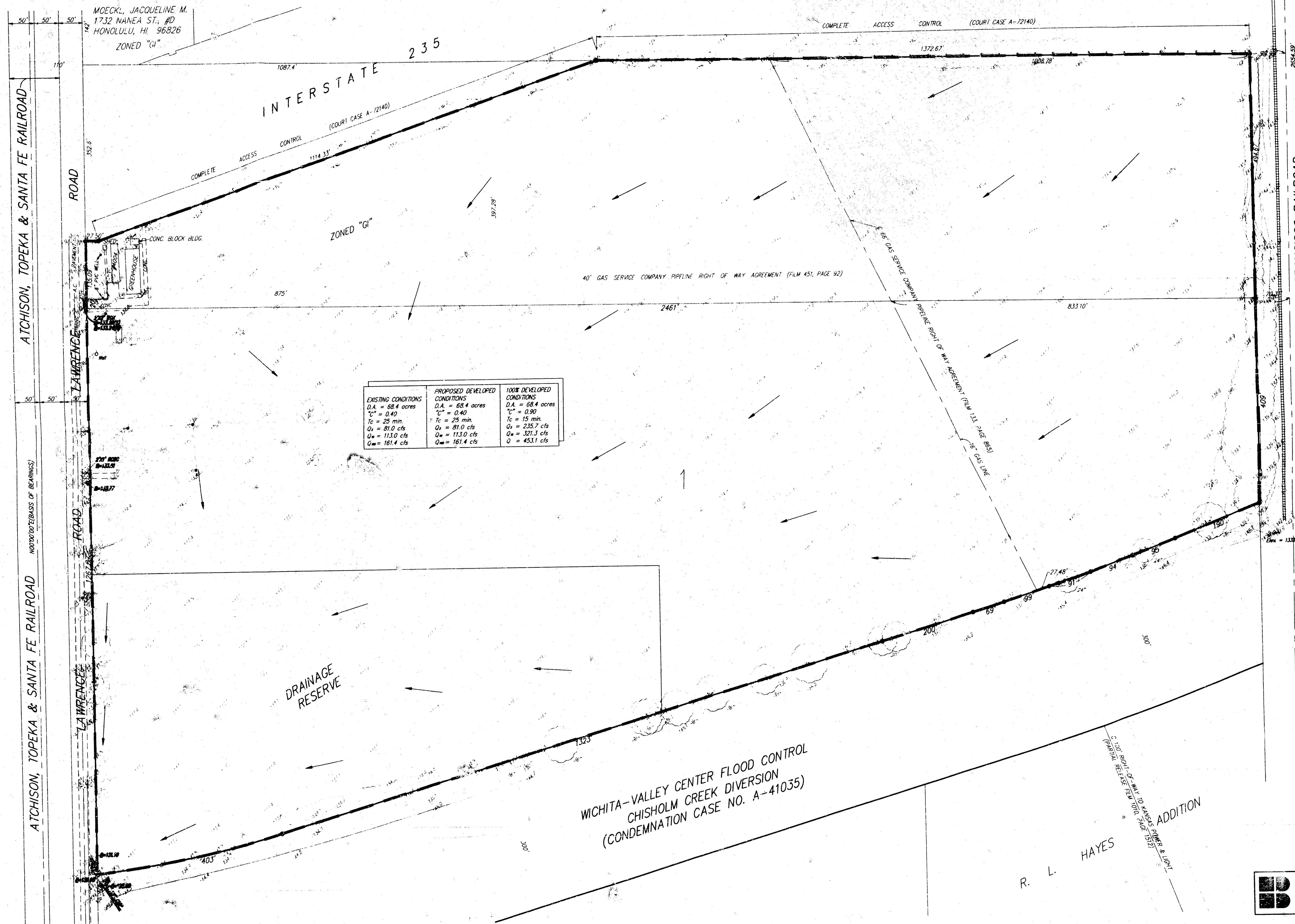
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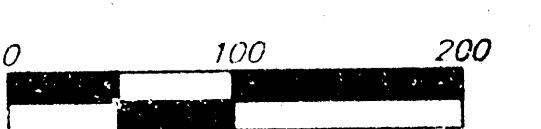
DRAINAGE PLAN

OLD LAWRENCE ROAD ADDITION

SEDGWICK COUNTY, KANSAS



EXISTING CONDITIONS	PROPOSED DEVELOPED CONDITIONS	100% DEVELOPED CONDITIONS
D.A. = 68.4 acres	D.A. = 68.4 acres	D.A. = 68.4 acres
C ₁ = 0.40	C ₁ = 0.40	C ₁ = 0.90
T _c = 25 min.	T _c = 25 min.	T _c = 15 min.
Q ₁ = 81.0 cfs	Q ₁ = 81.0 cfs	Q ₁ = 235.7 cfs
Q ₂ = 113.0 cfs	Q ₂ = 113.0 cfs	Q ₂ = 327.3 cfs
Q ₃ = 161.4 cfs	Q ₃ = 161.4 cfs	Q ₃ = 453.1 cfs



MINIMUM BUILDING PAD ELEVATION FOR LOWEST OPENING TO THE STRUCTURES		
LOT	CITY DATUM	ELEVATION
1	135.0	1322.4

- ▲ = DRIFT PIN OVER STONE (FOUND)
- = #5 REBAR (FOUND)
- △ = STONE (FOUND)
- = 1/2" IRON IN THIMBLE (FOUND)
- = #4 REBAR w/ BAUGHMAN CAP (SET)

LEGAL DESCRIPTION:
 THE SOUTH 30 ACRES OF THE NORTH 61 ACRES OF THE SW 1/4 OF SEC. 28, TWP. 26-S, R-1-E OF THE 6TH P.M. SEDGWICK COUNTY, KANSAS EXCEPT THEREFROM THAT PORTION CONDEMNED FOR HIGHWAY PURPOSES IN CASE NO. A-72140, TOGETHER WITH THAT PART OF SAID SEC. 28 LYING NORTH OF THE WICHITA-VALLEY CENTER FLOOD CONTROL CHISHOLM CREEK DIVERSION (CONDEMNATION CASE NO. A-41035), EXCEPT THE NORTH 61 ACRES THEREOF, EXCEPTING FROM BOTH TRACTS THE RIGHT-OF-WAY OF THE ATCHISON, TOPEKA, AND SANTA FE RAILROAD AND EXCEPTING FROM BOTH TRACTS THE RIGHT-OF-WAY OF THE ST. LOUIS AND SAN FRANCISCO RAILROAD.

OWNER:
 LOVE BOX COMPANY, INC.
 ATTN: NEMEL T. HILL
 200 E. 37TH STREET NORTH
 P.O. BOX 546
 WICHITA, KANSAS 67219
 PH: 316-838-0851

BENCHMARK:
 BROADWAY & 37TH ST. N., CITY OF WICHITA DISC. 36" W. & 29" N. OF E. B.O.M. 11.4 SSE. TO CONC. P.P. & 42.5 SSN. TO E. TRAFFIC SIGNAL MANHOLE.
 ELEV. = 135.17 CITY DATUM

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 316-242-7200 • 316-242-7201 • WICHITA, KANSAS 67211