

CULVERT 2
 OPTION 2: 100-YR OVERTOP
 LOW FLOW VENTED
 24' X 7' X 6A'

HEC-RAS Plan: ALT B River: CAVE CREEK Reach: CULV 2

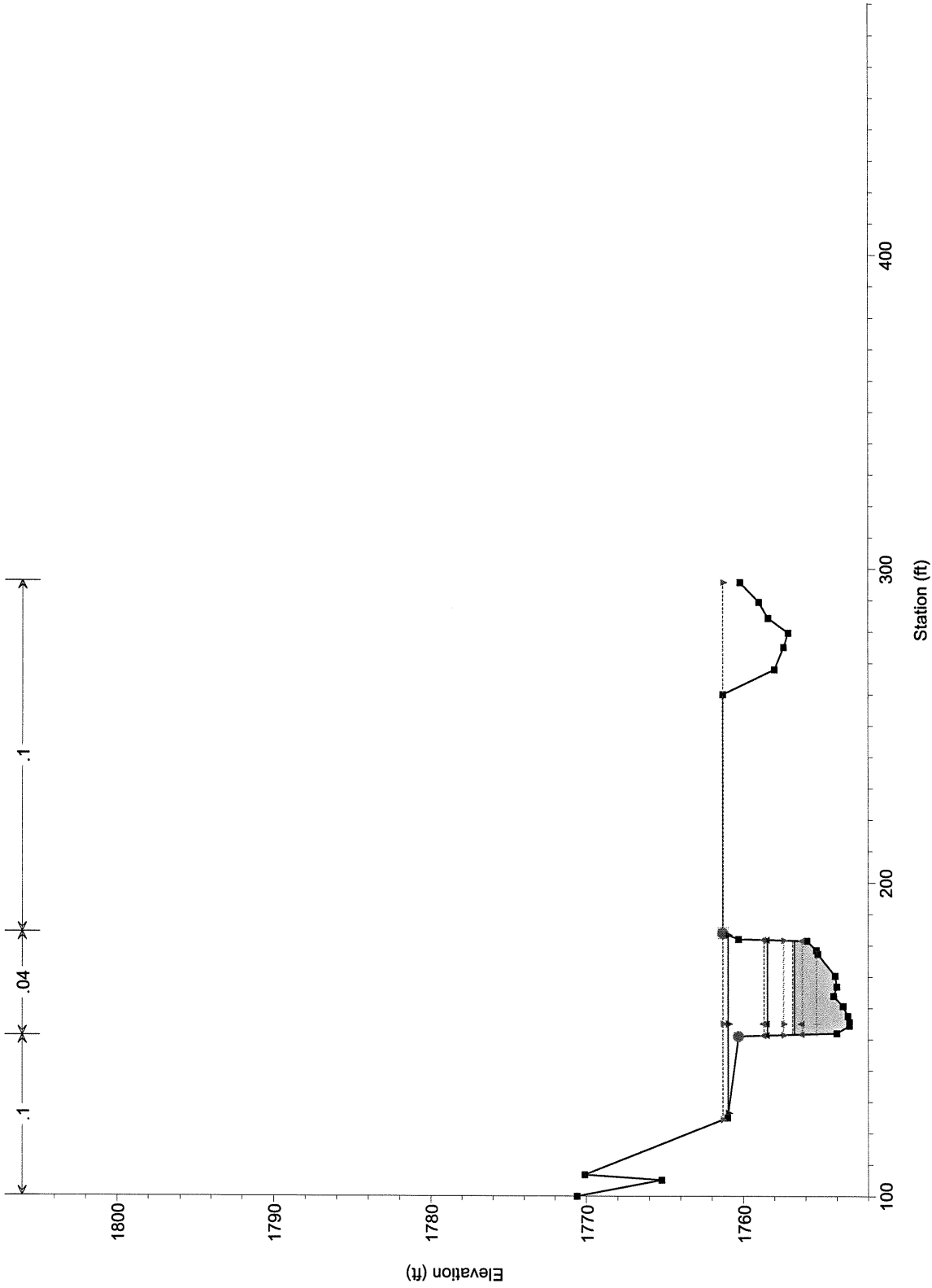
Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
CULV 2	4	PF 1	209.00	1754.10	1756.76	1755.91	1756.93	0.004349	3.32	62.91	39.37	0.46
CULV 2	4	PF 2	478.00	1754.10	1758.60	1756.84	1758.74	0.001912	3.07	157.46	61.66	0.33
CULV 2	4	PF 3	973.00	1754.10	1761.23	1757.90	1761.37	0.000814	3.02	332.05	71.05	0.24
CULV 2	3	PF 1	209.00	1753.20	1756.69	1755.28	1756.82	0.001988	2.82	74.13	30.02	0.32
CULV 2	3	PF 2	478.00	1753.20	1758.45	1756.21	1758.67	0.001965	3.76	127.25	30.50	0.32
CULV 2	3	PF 3	973.00	1753.20	1760.96	1757.42	1761.31	0.001967	4.73	213.17	56.82	0.33
CULV 2	2.5	Culvert			ROAD DECK = 1760.00	WSEL = 1760.00	WSEL = 1760.96					ΔWSEL = 0.96'
CULV 2	2	PF 1	209.00	1752.50	1755.16	1754.66	1755.46	0.007697	4.36	47.96	28.58	0.59
CULV 2	2	PF 2	478.00	1752.50	1756.21	1755.53	1756.79	0.008655	6.12	78.13	29.10	0.66
CULV 2	2	PF 3	973.00	1752.50	1757.27	1756.81	1758.50	0.012722	8.89	109.39	29.64	0.82
CULV 2	1	PF 1	209.00	1751.30	1754.00	1753.93	1754.54	0.020523	5.90	35.43	28.21	0.93
CULV 2	1	PF 2	478.00	1751.30	1754.87	1754.85	1755.80	0.020214	7.74	61.72	32.22	0.99
CULV 2	1	PF 3	973.00	1751.30	1756.14	1756.14	1757.41	0.016632	9.08	114.74	59.95	0.95
CULV 2	0.5	PF 1	209.00	1747.23	1749.58	1749.21	1749.92	0.010001	4.68	44.61	30.91	0.69
CULV 2	0.5	PF 2	478.00	1747.23	1750.59	1750.11	1751.16	0.010001	6.06	78.84	36.89	0.73
CULV 2	0.5	PF 3	973.00	1747.23	1751.85	1751.28	1752.72	0.010007	7.49	129.84	43.98	0.77

← 100

NO CHANGE FROM EXCONC

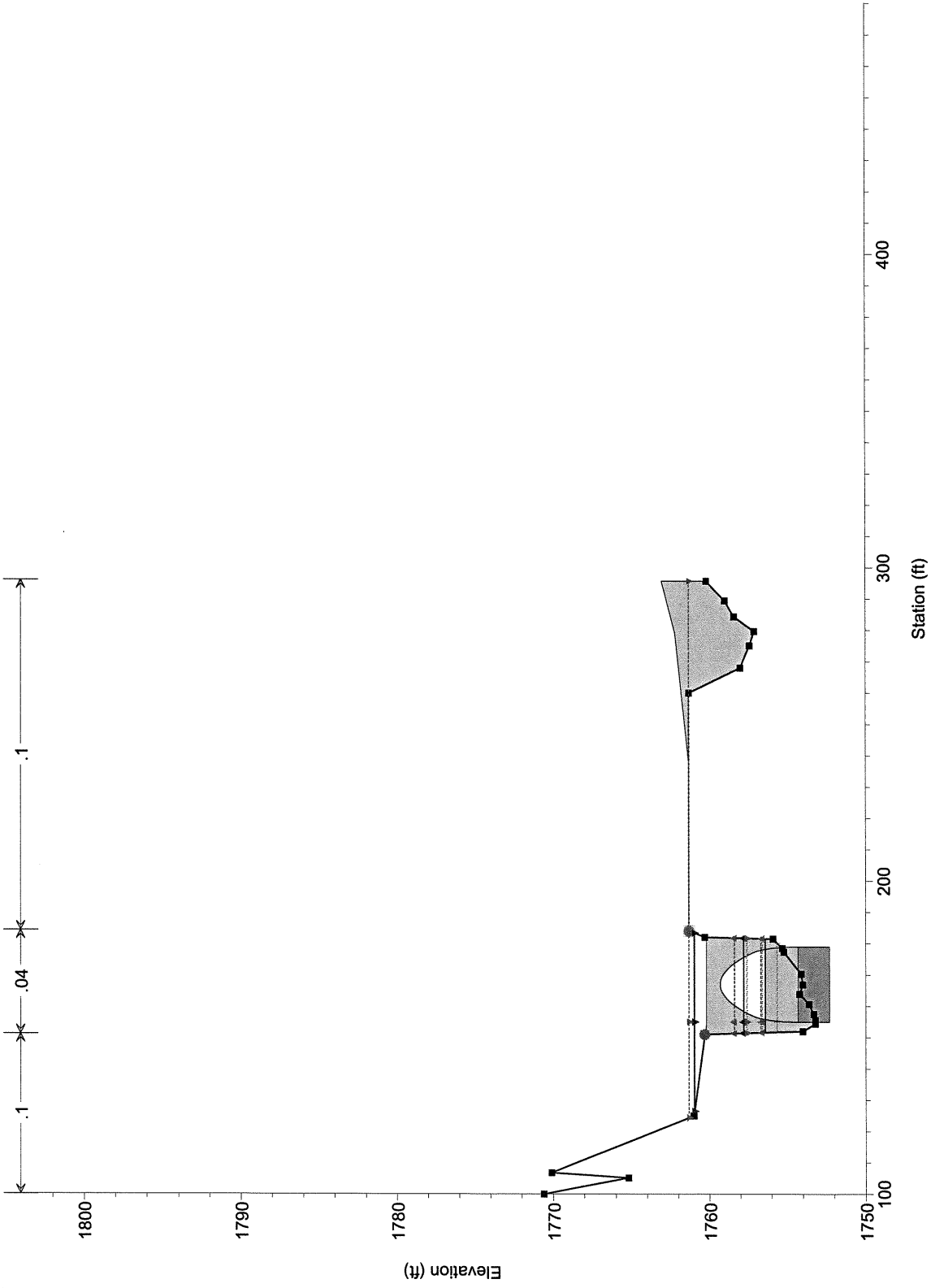
CULVERT SLOPE = CHANNEL SLOPE

R07030 CULV 2 Plan: Plan 06 7/14/2008 1:19:36 PM
 Geom: CULV 2 GEOMETRY ALT B OVERTOP Flow: CULV 2
 RS = 3 CULV 2 SECTION 3 JUST US OF BRIDGE



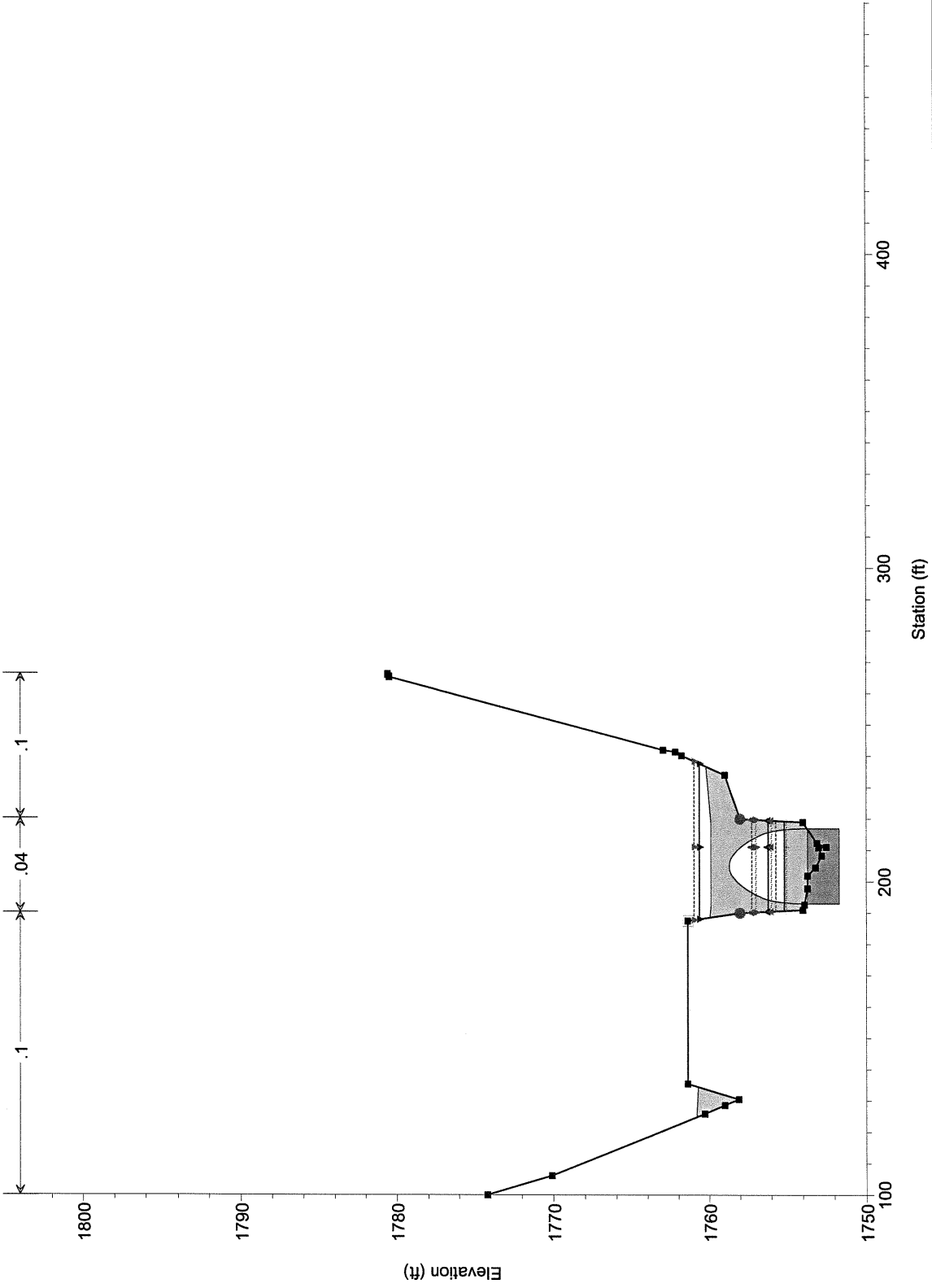
1 in Horiz. = 50 ft 1 in Vert. = 10 ft

R07030 CULV 2 Plan: Plan 06 7/14/2008 1:19:36 PM
 Geom: CULV 2 GEOMETRY ALT B OVERTOP Flow: CULV 2
 RS = 2.5 CULV CULVERT 2 OVERTOPPING



1 in Horiz. = 50 ft 1 in Vert. = 10 ft

R07030 CULV 2 Plan: Plan 06 7/14/2008 1:19:36 PM
 Geom: CULV 2 GEOMETRY ALT B OVERTOP Flow: CULV 2
 RS = 2.5 CULV CULVERT 2 OVERTOPPING

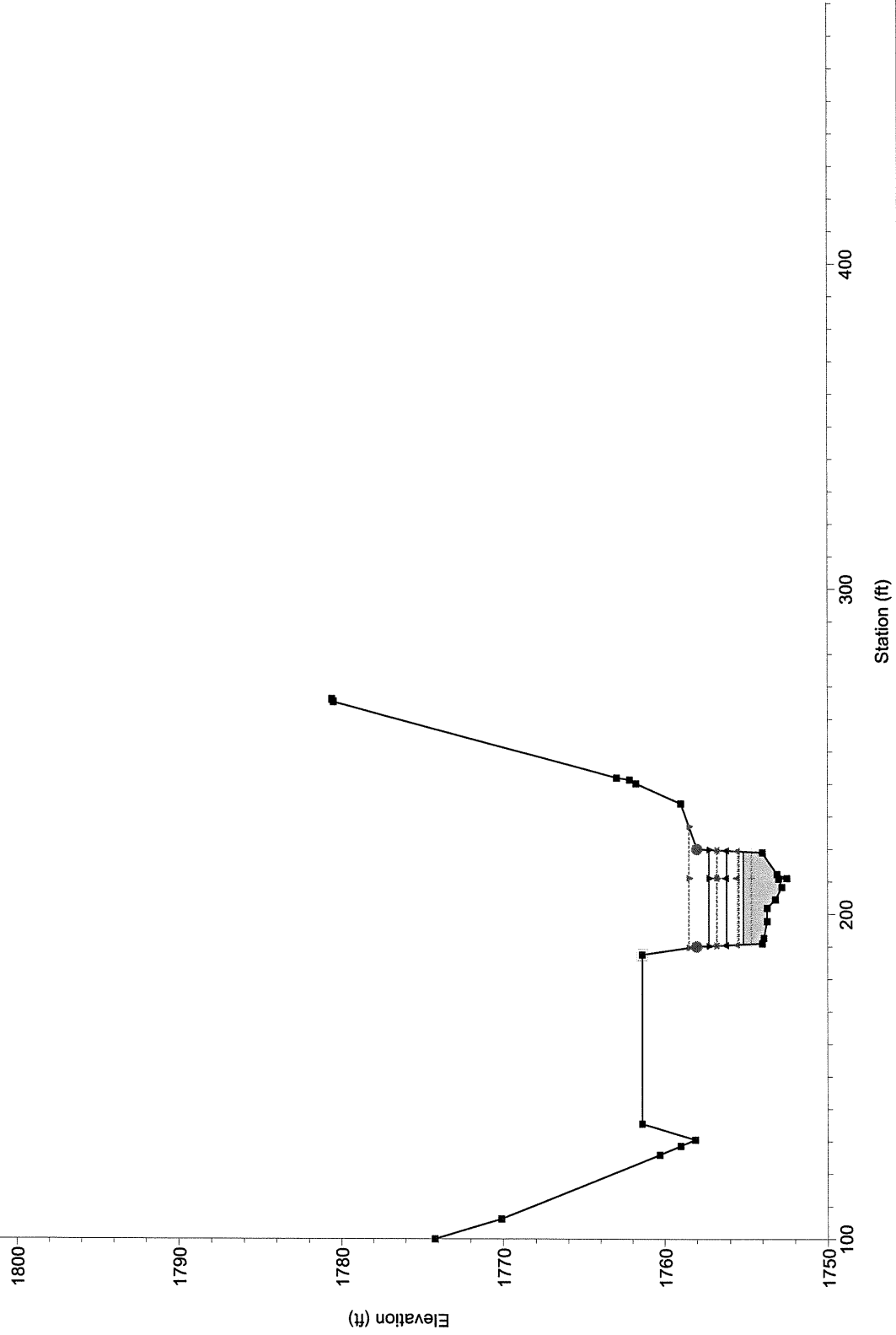


1 in Horiz. = 50 ft 1 in Vert. = 10 ft

R07030 CULV 2 Plan: Plan 06 7/14/2008 1:19:36 PM
 Geom: CULV 2 GEOMETRY ALT B OVERTOP Flow: CULV 2
 RS = 2 CULV 2 SECTION 2 JUST DS BRIDGE

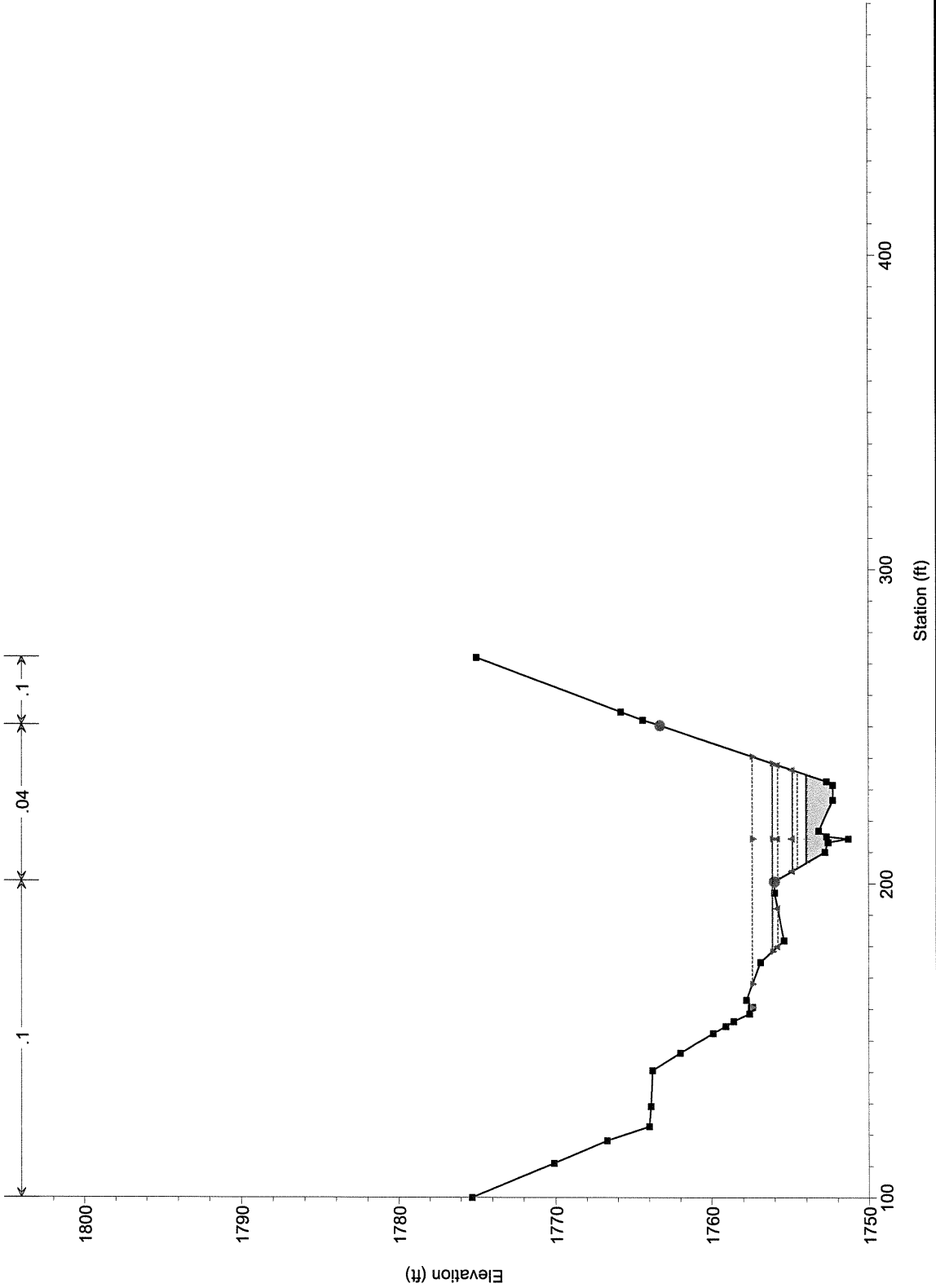


Legend	
EG PF 3	—
WS PF 3	—
Crit PF 3	—
EG PF 2	—
WS PF 2	—
Crit PF 2	—
EG PF 1	—
WS PF 1	—
Crit PF 1	—
Ground	—
Levee	—
Bank Sta	—



1 in Horiz. = 50 ft 1 in Vert. = 10 ft

R07030 CULV 2 Plan: Plan 06 7/14/2008 1:19:36 PM
 Geom: CULV 2 GEOMETRY ALT B OVERTOP Flow: CULV 2
 RS = 1 SECTION 1 DOWNSTREAM AT END OF EXPANSION

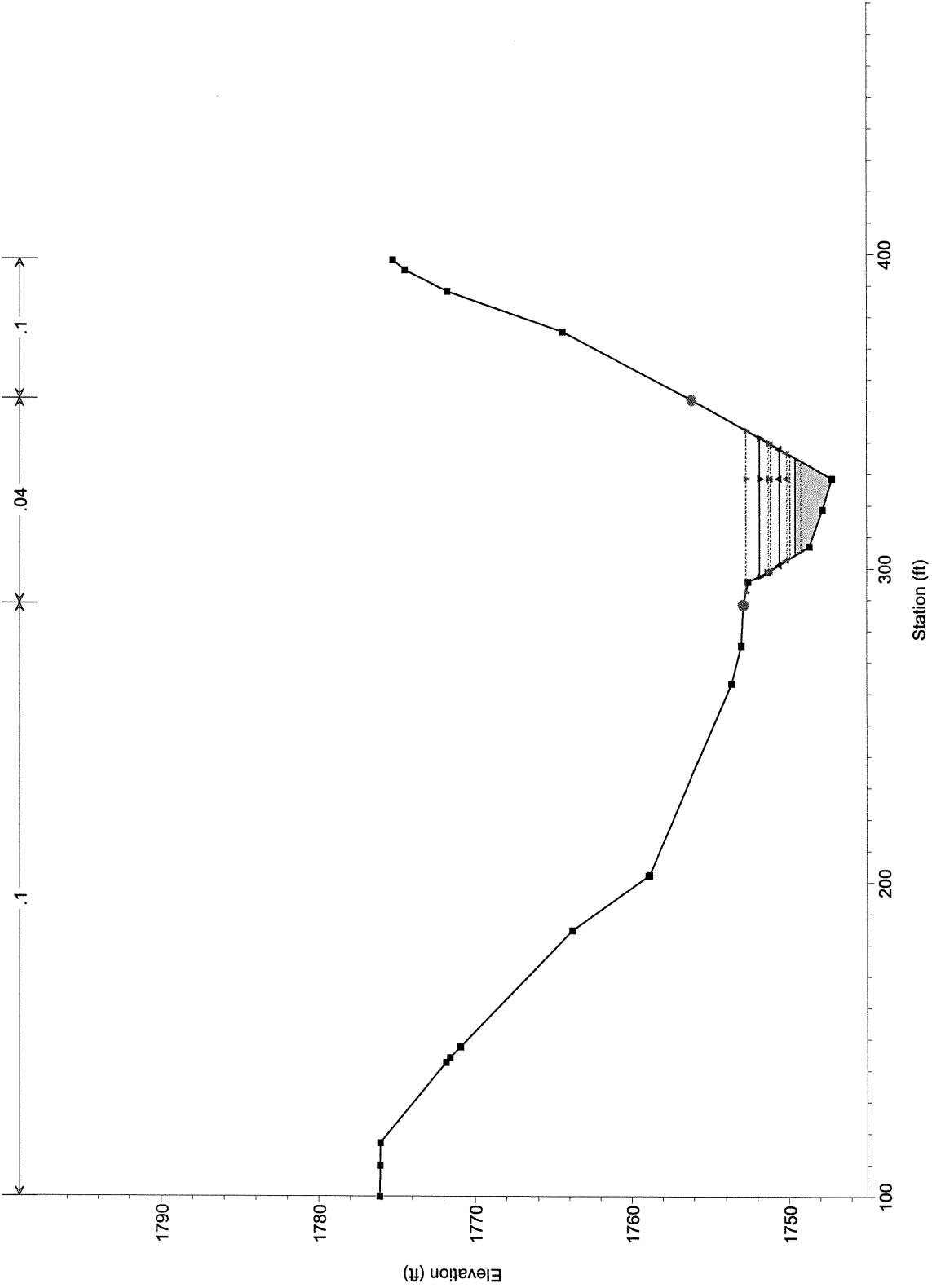


1 in Horiz. = 50 ft 1 in Vert. = 10 ft

R07030 CULV 2 Plan: Plan 06 7/14/2008 1:19:36 PM

Geom: CULV 2 GEOMETRY ALT B OVERTOP Flow: CULV 2

RS = 0.5 SECTION 0.5 DS OF SECTION 1



1 in Horiz. = 50 ft 1 in Vert. = 10 ft