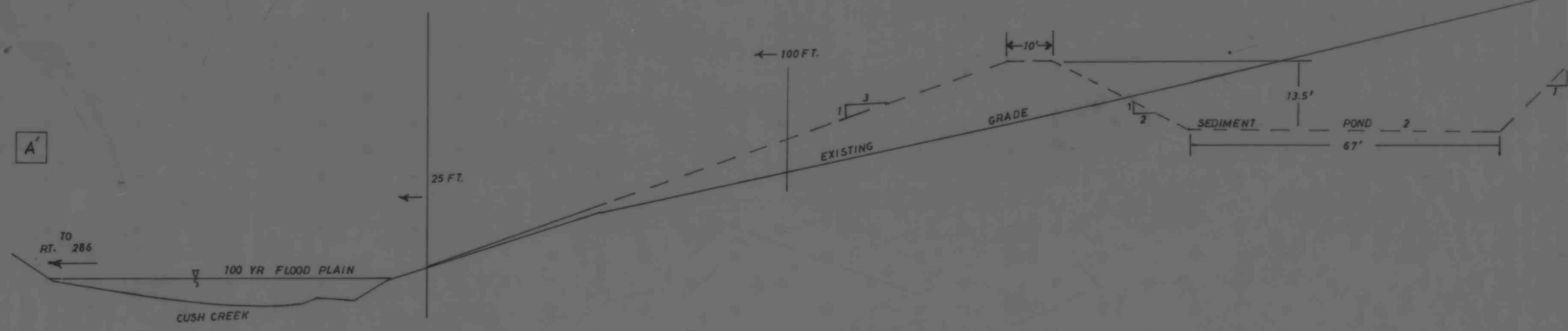


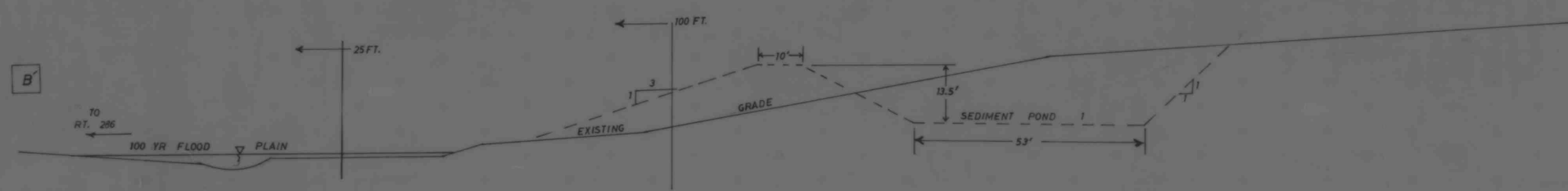
K-22-4

PRUSHNOK COAL COMPANY, INC.
 GEORGE #1 STRIP
 STREAM ENCROACHMENT CROSS-SECTION
 SCALE 1" = 20' DATE 10-30-85
 EXHIBIT 13.1 CC

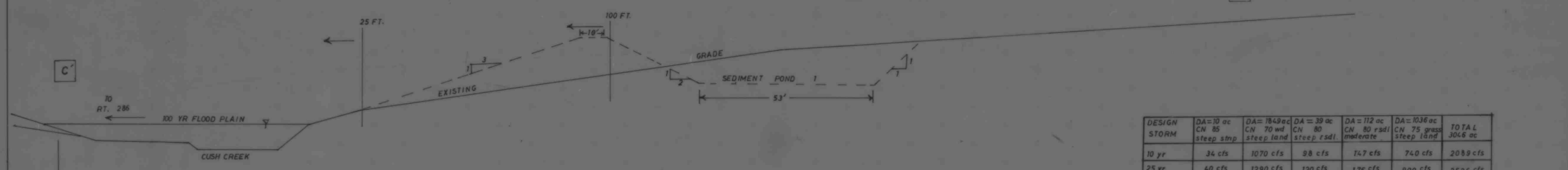
PENN-LAUREL ASSOCIATES, INC.
 P. O. Box "E"
 Central City PA 15926-0060



DESIGN STORM	DA=17 ac CN 85 steep strip	DA=1887 ac CN 70 wd. steep land	DA=39 ac CN 80 steep rsl.	DA=112 ac CN 80 moderate rsl.	DA=1036 ac CN 75 steep grass land	TOTAL
10 yr	60 cfs	1080 cfs	98 cfs	147 cfs	740 cfs	2125 cfs
25 yr	70 cfs	1300 cfs	120 cfs	176 cfs	900 cfs	2566 cfs
50 yr	80 cfs	1630 cfs	138 cfs	210 cfs	1120 cfs	3178 cfs
100 yr	90 cfs	1890 cfs	180 cfs	242 cfs	1300 cfs	3702 cfs

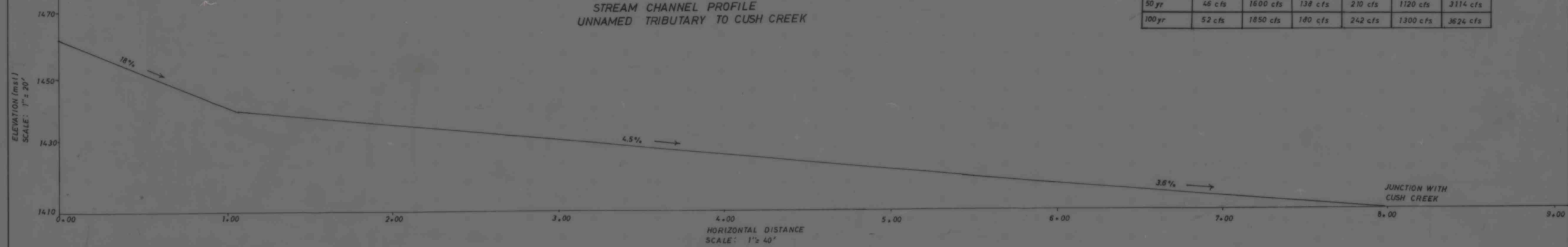


DESIGN STORM	DA=7 ac CN 85 steep strip	DA=246 ac CN 70 wd. steep land	TOTAL
10 yr	25 cfs	195 cfs	220 cfs
25 yr	29 cfs	250 cfs	279 cfs
50 yr	33 cfs	320 cfs	353 cfs
100 yr	37 cfs	375 cfs	412 cfs



DESIGN STORM	DA=10 ac CN 85 steep strip	DA=1849 ac CN 70 wd. steep land	DA=39 ac CN 80 steep rsl.	DA=112 ac CN 80 moderate rsl.	DA=1036 ac CN 75 steep grass land	TOTAL
10 yr	34 cfs	1070 cfs	98 cfs	147 cfs	740 cfs	2089 cfs
25 yr	40 cfs	1290 cfs	120 cfs	176 cfs	900 cfs	2526 cfs
50 yr	46 cfs	1600 cfs	138 cfs	210 cfs	1120 cfs	3114 cfs
100 yr	52 cfs	1850 cfs	180 cfs	242 cfs	1300 cfs	3624 cfs

STREAM CHANNEL PROFILE
 UNNAMED TRIBUTARY TO CUSH CREEK



STREAM CHANNEL PROFILE
 CUSH CREEK

