

Table 4.8-7 Embankment Designs

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Sedimentation Pond	Elevation Upstream Toe (ft)	Principal Spillway			Emergency Spillway			Max. W. S. Elevation 25-Yr, 24-Hr Event (ft)	Top of Embankment Elevation (ft)	Freeboard (ft)
		Stage (ft)	Elevation (ft)	Diameter-d (in)	Stage (ft)	Elevation (ft)	Width-b (ft)			
(2) Middle Flume #1	6903.0	11.7(1)	6914.7	--	11.7(1)	6914.7	5.9	6916.4	6918.5	2.1
Middle Flume #2	6885.0	15.5(1)	6900.5	--	15.5(1)	6900.5	10.0	6904.1	6906.3	2.2
(2) Middle Flume #3	6868.0	14.0 (1)	6882.0	--	14.0 (1)	6882.0	9.0	6886.0	6888.0	2.0
(2) E. Mid. Flume #1	6810.0	10.0 (1)	6820.0	--	10.0 (1)	6820.0	10.0	6821.8	6824.0	2.2
(4) Deal #1	7270.2	16.8	7287.0	--	16.8	7287.0	0.0	7288.9	7290.0	1.1
(2) East Flume #1	6862.0	11.3 (1)	6873.3	--	11.3 (1)	6873.3	0.5	6875.0	6876.4	1.4
(3) West Horse	7186.0	13.0 (1)	7187.0	--	13.0 (1)	7187.0	0.5	7187.3	7189.0	1.7
(2) Deacon #1	6795.5	14.5 (1)	6810.0	--	14.5 (1)	6810.0	5.0	6812.4	6815.0	2.6
(2) Deacon #2	6782.0	12.0 (1)	6794.0	--	12.0 (1)	6794.0	5.0	6795.7	6800.0	4.3
(2) Deal #2	7118.0	6.0 (1)	7124.0	--	6.0 (1)	7124.0	5.0	7124.8	7127.0	2.2
(2) Jeffway #1	7239.0	9.0 (1)	7248.0	--	9.0 (1)	7248.0	5.0	7249.3	7251.0	1.7
Jeffway #2	7242.0	7 (1)	7249.0	--	7 (1)	7249.0	5.0	7249.4	7252.0	2.6
East Buzzard #3	6240.0	7.0 (1)	6247.0	--	7.0 (1)	6247.0	5.0	6248.3	6250.0	1.7
West Buzzard #3	6260.0	10.0	6270.0	--	11.5	6271.5	15.0	6271.5	6273.0	1.5
West Buzzard #4	6214.0	6.0 (1)	6220.0	--	6.0 (1)	6220.0	5.0	6221.5	6223.0	1.5

Note: Elevations are based on current topographic information obtained from aerial photographs. Actual elevations will vary according to actual field conditions after topsoil removal but

(1) Single open-channel design.

(2) As-built information.

(3) West Horse is a mostly incised structure with a small (3 ft.) embankment

(4) The Deal Gulch embankment is 6.0 feet tall as measured from the upstream toe. The remainder of the capacity comes from the incised portion

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