

Figure 1. Project vicinity map.

Dimensions

The inset floodplain bank lowering areas typically have a single elevation for the entire polygon as shown in Table 2. There are two exceptions where terracing is used for RM 162 and RM 163.6 as described below. The edges of the bank lowering polygons will gently slope to existing ground at 4:1 H: V.

The relic berm will be removed down to the elevation of the surrounding terrain, generally around elevation 4860.5 feet (ft).

Project component	Average Original Elevation (ft)	Design Elevation (ft)	Length (ft)	Volume (CY)	Area (Acres)
RM 162 BL	4856	Varies (4851-4855)	Varies	57,402	13
RM 163.1 BL	4860	4857.5	720	7,652	2
RM 163.3 East BL	4861.5	4857.5	736	5,354	1
RM 163.4 BL	4861.5	4857	553	13,828	2
RM 163.6 BL	4863	Varies (4859.25-4860)	Varies	7,758	2
Berm removal	4863	4860.5	749	4,030	1
TOTAL				96,024	21

Table 1: Project component dimensions

RM 162 BL

This bank lowering component consist of four terraces as shown in Figure 3. The length of the whole polygon from the upstream end to the most downstream is 4095 ft. The design or finished ground elevation of the first terrace is 4853 ft and is 2845 ft long. The second terrace has a design elevation of 4855 ft and is 2000 ft long. Third terrace is at an elevation of 4854 ft and is 1580 ft long. And fourth terrace is at an elevation of 4851 ft and is 1200 ft long. **Figure 4** shows the profile cross sections of these four terraces.



Figure 2: RM 162 BL component showing the four terraces



Figure 3: Profile 1 & 2 cross sections showing the elevation of the four terraces of RM 162 BL component. Also included is the elevation of the original terrain.

RM 163.6 BL

This bank lowering component consist of two terraces as shown in Figure 5Figure 3. The length of the polygon from the upstream end to the most downstream is 964 ft. The design elevation of

terrace 5 is 4859.25 ft and is 862 ft long. The design elevation for terrace 6 is 4860 ft and is 900 ft long. Figure 6 shows a cross section profile of this project component.



Figure 4: RM 163.6 BL component showing the two terraces



Figure 5: Profile 3 cross section showing elevation of the two terraces of RM 163.6 BL component. Also included is the elevation of original terrain



Figure 6: View of entire project