

Ditch and Berm Design Elements	Range in Width - Feet
1. Silt fence	5-10
2. Berm outside slope (2H:1V max, 4H:1V slope, 4-10 ft. high)	8-40
3. Berm – top road (drivable)	20-30
4. Berm – inside slope (2H:1V typical slope, 4-10 ft. high )	8-20
5. Shelf between berm and ditch – (location of recharge wells)	5-25
6. Ditch – inside cut slope (2H:1V typical slope – 4-10 ft. deep)	8-20
7. Ditch bottom width	5-20
8. Ditch – outside cut slope (2H:1V typical slope – 4-10 ft. deep)	8-20
9. Setback from Mine Cut	10-30
<b>Net width range</b>	<b>77-215</b>

**Note: All Dimensions shown are examples, and are variable based on site specific conditions and requirements. Not all features are needed in all cases.**



**Mosaic Fertilizer, LLC**  
 ACOE 404 Application  
 Figure 1  
 Typical Ditch and Berm System Cross Section

User: tas/brn Date: 6/27/2011  
 Path: G:\projects\2011\2011\_0001\Maps\  
 Figure 1 Ditch Berm Xsec.mxd  
 Source: Mosaic, 2011

