NOTES FOR DESIGNER:

1. If this sheet is not 24"x36", use graphic scale accordingly.

GENERAL NOTES:

1. If this sheet is not 24"x36", use graphic scale accordingly.

DESIGN LIMITATIONS:
1. Sides in bank and bottom of swale should not be over compacted to promote infiltration.

SITING CRITERIA:
1. Swales work best on the lower side of a topographic feature.

DESIGN CRITERIA:
1. Channel velocity shall avoid rates that would erode vegetated banks. Check manufacturer recommendations for soil erosion control material.
2. Incorporate check dams at regular intervals.
3. Ensure center of swale is lower than outside edges.
4. Check soil infiltration. Optimum range is >0.5" of infiltration per hour.
5. Provide appropriate erosion and flow dissipators at the entry and exit points of swale.
6. Native unplanted soils shall be suitable for supporting vegetative cover.
7. Vegetation should be drought tolerant, and able to withstand periodic inundation.
8. Provide access for maintenance.
9. Native soils/ amended soils shall be suitable for supporting vegetative cover.
10. Native soils/ amended soils shall be suitable for supporting vegetative cover.
11. SWALE SHOULD BE DESIGNED TO BLEND WITH THE CONTEXT OF THE SURROUNDING LANDSCAPE.

CONSTRUCTION CRITERIA:
1. Seed swale bottom and side slopes prior to stabilization in accordance with LANL requirements.
2. Do not mow with heavy equipment or in areas of less than 4" to 6" of soil depth.
3. Identify appropriate materials and hold points for inspection and approval during construction.
4. Provide access for maintenance.

ENGINEERING STANDARDS

CIVIL
LOW IMPACT DEVELOPMENT
VEGETATED SWALE

SWALE SECTION

SWALE PLAN