NOTES FOR DESIGNER:

[DO NOT INCLUDE ON CONSTRUCTION DRAWINGS]

DESIGN LIMITATIONS:
1. Effective implementation requires relatively flat area.
2. Soils must sustain vegetation growth.

SITING CRITERIA:
1. Locate areas to capture runoff from roadways and parking lots.
2. Locate areas where tuff is at least 18” below the bottom of the feature.

DESIGN CRITERIA:
1. If infiltration is low (<5’/hr) consider placement of a min. 12” sand layer under basin.
2. Sediment trap shall be sized to contain 5% of the total Oxbow detention volume.
3. The Oxbow planting area shall be a max. of 6” below gutter inlet elevation.
4. Top elevation of sediment trap interior wall shall be min. 4” below gutter inlet elevation.
5. Planting zone shall be stabilized with 3” depth of shredded wood or rock mulch.
6. Vegetation should be drought tolerant and able to withstand periodic inundation.
7. Oxbows should be designed to blend with the context of the surrounding landscape.
10. If concrete is utilized it shall conform with LANL requirements. If stone is utilized it may be done based on channel velocities and vertical/horizontal shear considerations.

CONSTRUCTION CRITERIA:
1. Do not over compact basin soils.
2. Identify appropriate materials and hold points for inspection and approval during construction.
3. Provide access for maintenance.

ENGINEERING STANDARDS

CIVIL
LOW IMPACT DEVELOPMENT
BIO-RETENTION CELL / OXBOW

GENERAL NOTES:

1. If this sheet is not 24”X36” use graphic scale accordingly.