NOTES FOR DESIGNER:

[DO NOT INCLUDE ON CONSTRUCTION DRAWINGS]

DESIGN LIMITATIONS:
1. STORM WATER CHANNELS ARE ABLE TO EFFECTIVELY HANDLE DRAINAGE AREAS LESS THAN 5 ACRES.
2. EXISTING SUBSURFACE UTILITIES MAY LIMIT USE OF THIS METHOD.

SITING CRITERIA:
1. STORM WATER CHANNELS ARE ABLE TO EFFECTIVELY HANDLE DRAINAGE AREAS LESS THAN 5 ACRES.
2. SAFETY MEASURES FOR VEHICLES AND PEDESTRIANS MAY BE REQUIRED, E.G., RAILINGS, POSTS, ETC.

DESIGN CRITERIA:
1. CHANNEL BOTTOM GRADIENT SHOULD BE 5% OR LESS; VERTICAL CONTROLS SHOULD BE PLACED IN CHANNEL IF GRADIENT IS STEEPER. TOP OF VERTICAL CONTROLS SHOULD BE 1" LOWER THAN TOP OF LAYER 1.
2. MULTIPLE CHANNEL INPUTS CAN BE INCORPORATED ALONG THE LENGTH OF THE STORM WATER CHANNEL.
3. A SEDIMENT TRAP (6" DEEP) SHALL BE INCLUDED AT EACH STORM WATER CHANNEL INLET. THE OUTLET SEDIMENT TRAP SHALL BE LOWER IN ELEVATION THAN THE INLET.
4. PROVIDE VELOCITY AND EROSION CONTROL AT CHANNEL OUTFALL.
5. CHANNEL SIDE MATERIAL OPTIONS: STONE, CONCRETE.
6. IF CONCRETE IS UTILIZED IT SHALL CONFORM WITH LANL REQUIREMENTS, IF STONE IS UTILIZED IT SHALL BE SIZED BASED ON CHANNEL VELOCITIES AND VERTICAL/HORIZONTAL SHEER CONSIDERATIONS.

CONSTRUCTION CRITERIA:
1. SOILS UNDER CHANNEL BOTTOM SHOULD NOT BE OVER COMPACTED TO PROMOTE INFILTRATION.
2. IDENTIFY APPROPRIATE MATERIALS AND HOLD POINTS FOR INSPECTION AND APPROVAL.
3. PROVIDE ACCESS FOR MAINTENANCE.