GENERAL NOTES:

1. IF THIS SHEET IS NOT 24"X36" USE GRAPHIC SCALE ACCORDINGLY.

NOTES FOR DESIGNER:

1. TO BE USED WHEN DETAINED WATER HEIGHT IS 18" OR LESS.
2. LONGITUDINAL CHANNEL SLOPE SHOULD BE LESS THAN 8%.

DESIGN CRITERIA:

1. CHECK DAM HEIGHT AND SPILLWAY DIMENSIONS TO BE SIZED BASED ON THE VELOCITIES IN THE CHANNEL.
2. CHANNEL VELOCITY SHALL NOT EXCEED MANUFACTURER SPECIFICATIONS FOR ANY MATERIAL USED IN THE CHANNEL.
3. RIP RAP CLASS SIZE SHALL BE MINIMUM MDOOT CLASS A OR DETERMINED BASED ON CHANNEL VELOCITIES.
4. MOST EFFECTIVE WHEN REGULARLY SPACED.
5. CONCRETE AND RIP RAP SPLASH APRON TO BE LEVEL WITH TOE OF DAM.
6. CHECK DAM MATERIAL OPTIONS:
   - STONE
   - METAL PLATE
   - CONCRETE
   - RIP RAP SPLASH APRON TO BE MADE FROM GEOTEXTILE UNDER RIP RAP APRON.

7. IF CONCRETE IS UTILIZED IT SHALL CONFORM WITH LANL REQUIREMENTS.
   - IDENTIFY APPROPRIATE MATERIALS AND HOLD POINTS FOR INSPECTION AND APPROVAL DURING CONSTRUCTION.
   - PROVIDE ACCESS FOR MAINTENANCE.

CONSTRUCTION CRITERIA:

1. SOILS IN BOTTOM OF SWALE SHOULD NOT BE OVER COMPACTED TO PROMOTE INFILTRATION.
2. IDENTIFY APPROPRIATE MATERIALS AND HOLD POINTS FOR INSPECTION AND APPROVAL DURING CONSTRUCTION.
3. PROVIDE ACCESS FOR MAINTENANCE.

CIVIL
LOW IMPACT DEVELOPMENT
CHECK DAM + V-WEIR

ENGINEERING STANDARDS

ST-G20GEN-1.7