**NOTES FOR DESIGNER:**

**DO NOT INCLUDE ON CONSTRUCTION DRAWINGS**

1. **GENERAL NOTES:**
   1. IF THIS SHEET IS NOT 24"X36" USE GRAPHIC SCALE ACCORDINGLY.

2. **DESIGN LIMITATIONS:**
   1. STRUCTURAL CAPACITY OF SOILS ARE REQUIRED TO SUPPORT DISSIPATER.
   2. INTENDED FOR SHARP GRADE BREAKS ON MODERATELY CONCENTRATED SHEET FLOW AREAS WITH HIGH POTENTIAL FOR MULTIPLE EROSION POINTS.

3. **SITING CRITERIA:**
   1. CONFIRM STRUCTURAL CAPACITY OF EXISTING SOIL TO SUPPORT DISSIPATERS.
   2. ABILITY TO SPREAD INCOMING FLOW TO BE LESS THAT 2" FLOW DEPTH ACROSS SPILLWAY.
   3. UTILIZE ON 3:1 SLOPES OR STEEPER.

4. **DESIGN CRITERIA:**
   1. RECOMMENDED SLOPE OF SPILLWAY IS 3:1 OR STEEPER.
   2. ARMOR SPILLWAY SURFACE AREA WITH MINIMUM NMDOT CLASS A RIP RAP.
   3. OVERLAP EDGES OF DISSIPATERS TO AVOID SCOURING BETWEEN DISSIPATER BLOCKS, BURIED MIN. 1/2 OF HEIGHT OF BLOCK OR STONE AND PERPENDICULAR TO FLOW DIRECTION.
   4. MINIMUM HEIGHT OF DISSIPATER BLOCKS IS 18".
   5. DISSIPATER MATERIAL OPTIONS:
      - STONE
      - CONCRETE
      - METAL
   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.

5. **CONSTRUCTION CRITERIA:**
   1. IDENTIFY APPROPRIATE MATERIALS AND HOLD POINTS FOR INSPECTION AND APPROVAL DURING CONSTRUCTION.
   2. PROVIDE ACCESS FOR MAINTENANCE.