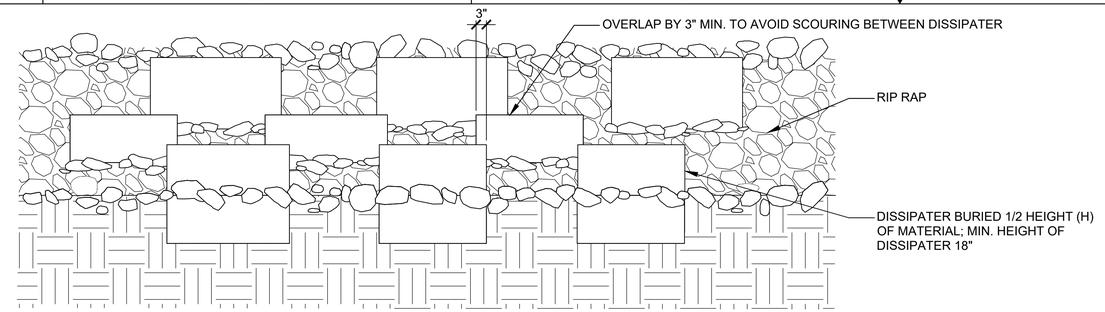
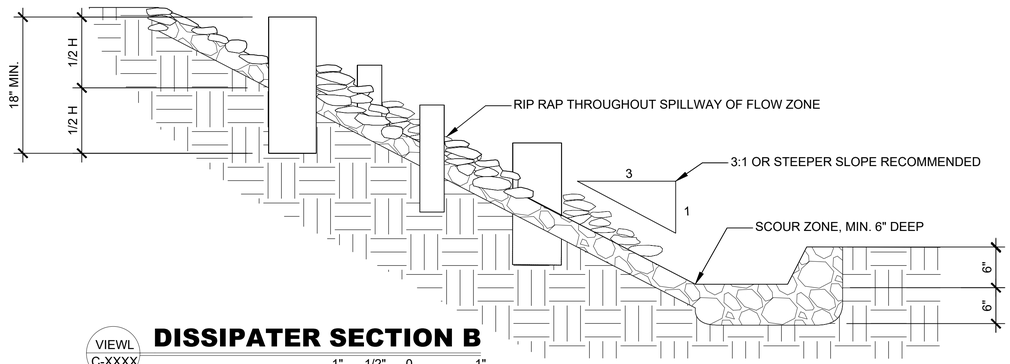


VIEWL C-XXXX

DISSIPATER SECTION A

1" 1/2" 0 1"

1"=1"

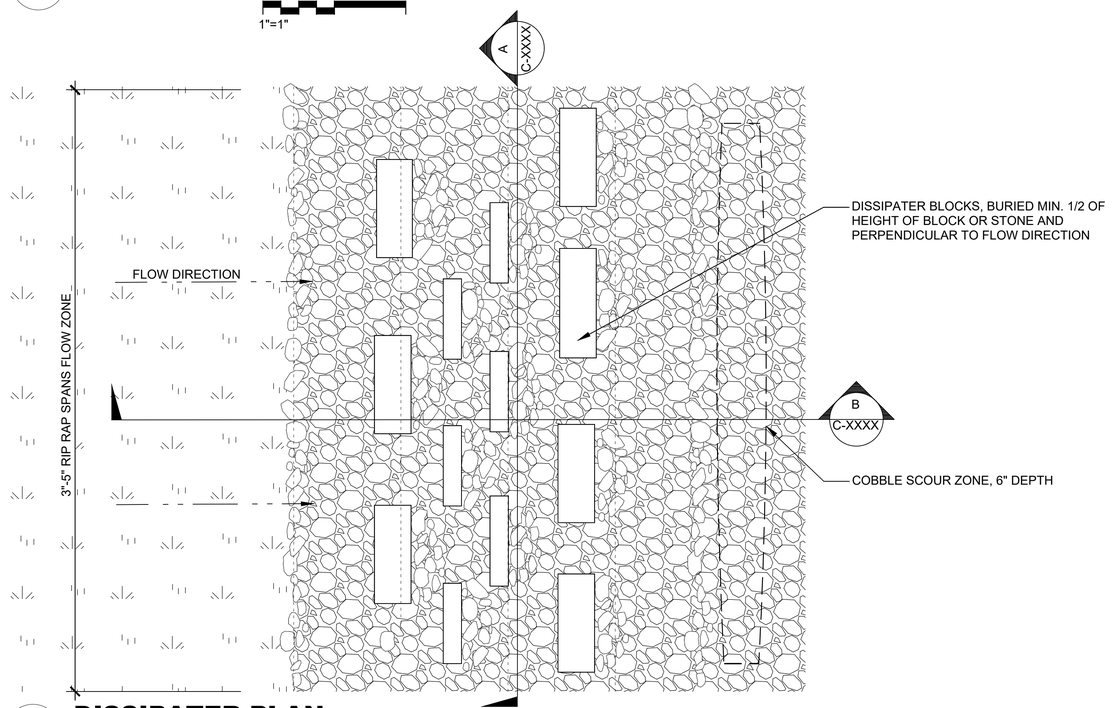


VIEWL C-XXXX

DISSIPATER SECTION B

1" 1/2" 0 1"

1"=1"



VIEWL C-XXXX

DISSIPATER PLAN

1' 6" 0 1' 2'

3/4"=1'-0"

GENERAL NOTES:

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

NOTES FOR DESIGNER:

(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

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.

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.

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.
4. MINIMUM HEIGHT OF DISSIPATERS 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.

CONSTRUCTION CRITERIA:

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

00% REVIEW
NOT FOR CONSTRUCTION

NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
				REVISIONS PER [DCF] [DRN] [FCR]					
0				INITIAL ISSUE FOR [DCF-XYZ]					

ENGINEERING STANDARDS

CIVIL
LOW IMPACT DEVELOPMENT
SLOPED DISSIPATER

DRAWN	E. ATENCIO
DESIGN	T. LEMKE
CHECKED	S. RAEL
DATE	02-10-20

TA-XX BLDG XXXX

SUBMITTED
DISCIPLINE POC: JOHN O'BRIEN

APPROVED FOR RELEASE
STANDARDS MANAGER: TOBIN ORUCH

Los Alamos NATIONAL LABORATORY
PO Box 1663
Los Alamos, New Mexico 87545

SHEET 1 OF 9 16

D.C.: UNCLASSIFIED REVIEWER: DONALD YARDMAN DATE:

PROJECT ID: CHAPTER 3
DRAWING NO: ST-G20GEN-1.9
REV: 0