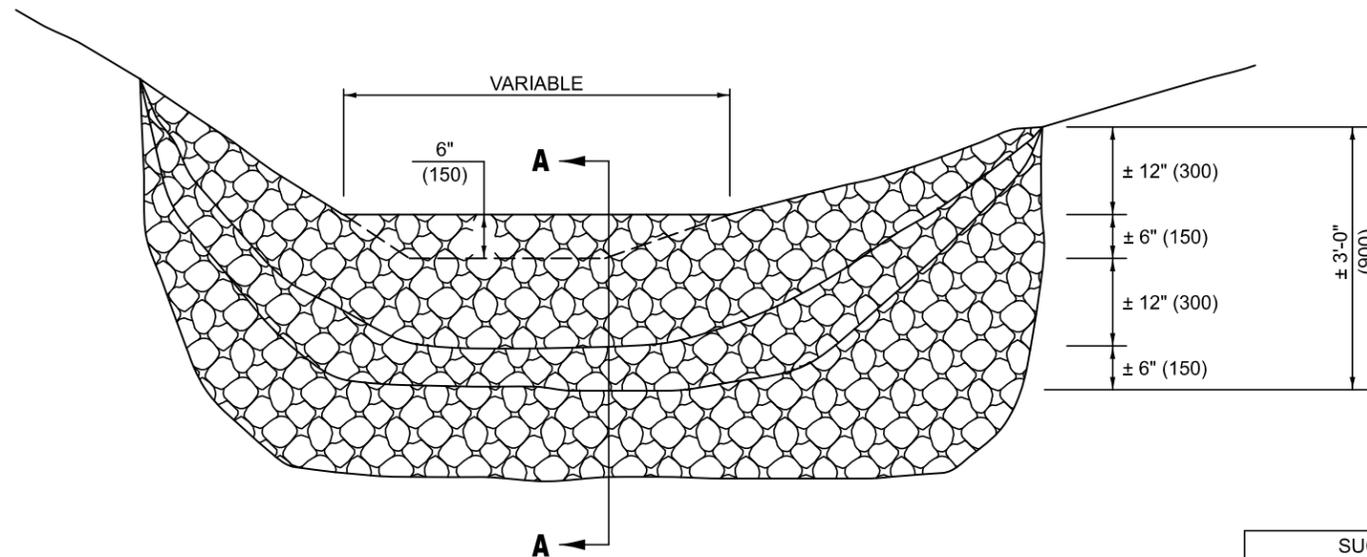
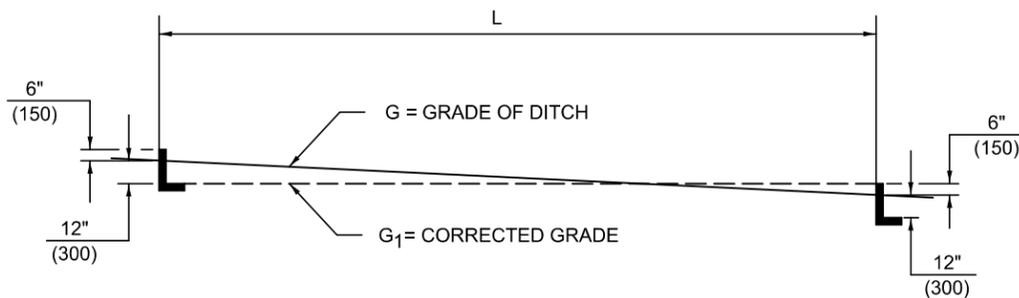


PLAN



DOWNSTREAM ELEVATION

SUGGESTED VALUES OF G ₁	
TYPE OF SOIL	G ₁
COHESIVE SOILS	2.0%
SMALL GRAVEL TO SILT LOAM	1.0%
FINE SAND OR LIGHT SILT	0.5%



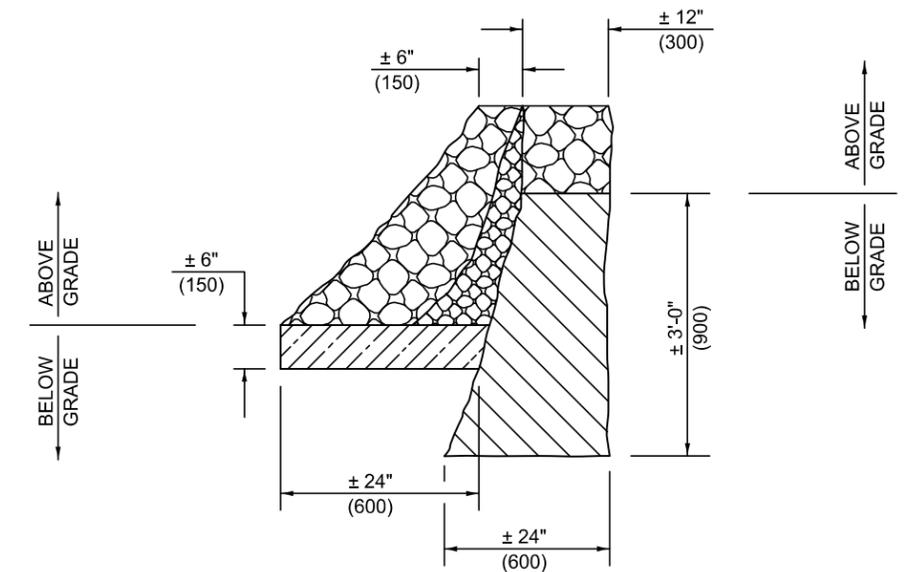
METHOD OF PLACING DITCH CHECKS

L = SPACING OF DITCH CHECKS IN FEET (METERS)
 G = GRADE OF DITCH IN %
 G₁ = GRADE ALLOWABLE FOR SOIL IN %

THEN L = $\frac{1.5 \text{ FEET (0.45 m)} \times 100\%}{G - G_1}$

GENERAL NOTES

- DITCH CHECKS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "STONE OR RIPRAP DITCH CHECKS", WHICH PRICE SHALL INCLUDE THE FURNISHING AND PLACING OF ALL MATERIALS FOR A COMPLETE INSTALLATION.
- INDIVIDUAL STONES OR BROKEN CONCRETE SHALL NOT BE LESS THAN 6" (150 mm) IN THEIR SMALLEST DIMENSION.
- THE STONE RIPRAP SHALL BE BONDED TOGETHER WITH MORTAR CONSISTING OF ONE PART CEMENT TO THREE PARTS OF SAND, WEIGHT MEASUREMENT.



- RIPRAP CUT IN PLANE OF VIEW
- RIPRAP ABOVE GROUND BEYOND CUT PLANE
- RIPRAP CUT IN PLANE OF VIEW
- RIPRAP ABOVE GROUND BEYOND CUT PLANE

SECTION A-A

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 28102630

MODEL: SHT_PLAN
 FILE NAME: C:\Bentley\CONNECT\10110\Organization\ChiffIDOT_Standards\CallIDOT_Sheets.cad

USER NAME = Eric.Thomas	DESIGNED -	REVISED - 11/06
PLOT SCALE = 0.16666833' / in.	DRAWN -	REVISED - 3/6/17 SWN
PLOT DATE = 12/7/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

RIPRAP DITCH CHECKS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				