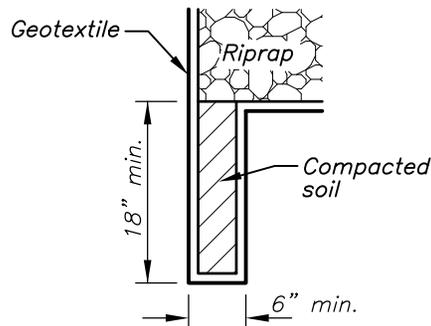


HALF SECTION OF ISOMETRIC VIEW  
NOT TO SCALE

TBM \_\_\_\_\_ Elev. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ESTIMATED QUANTITIES

- Clearing and Grubbing \_\_\_\_\_ Acres
- Rock for Riprap \_\_\_\_\_ cu. yd.
- Geotextile Fabric \_\_\_\_\_ sq. yd.
- Seeding \_\_\_\_\_ Acres
- Excavation \_\_\_\_\_ cu. yd.



HEADER TRENCH

Rock shall conform to Type I rock blanket as defined in Section 611 of the Missouri Standard Specifications for Highway Construction or the rock may be sound, durable stone conforming to the following gradation. (Approximate  $D_{50}$  size of Type I Riprap is 8 inches.):

GRADATION OF ROCK

PERCENT PASSING BY WEIGHT	SIZE (INCHES)
100	2.0 $D_{50}$ = _____
50-80	1.4 $D_{50}$ = _____
25-50	$D_{50}$ = _____ (6" min.)
10-30	.5 $D_{50}$ = _____
0-5	.2 $D_{50}$ = _____

NOTES:

Geotextile shall be laid from exit end upstream. At splices the geotextile shall be overlapped a minimum of 18" and pinned to ground. At inlet end and outlet end the geotextile shall be buried in a header trench at least 18" deep. The header trench shall be backfilled with compacted soil. Geotextile shall be non-woven, minimum weight of 14 ounce/square yard and conform to Missouri Construction Specification 753, Geotextile.

DRAFT

NOT FOR  
CONSTRUCTION

Date	_____
Designed	_____
Drawn	_____
Checked	_____
Approved	_____

**ROCK LINED CHUTES**



File Name	_____
Drawing Name	<b>29-L-316A</b>
Sheet	_____ of _____