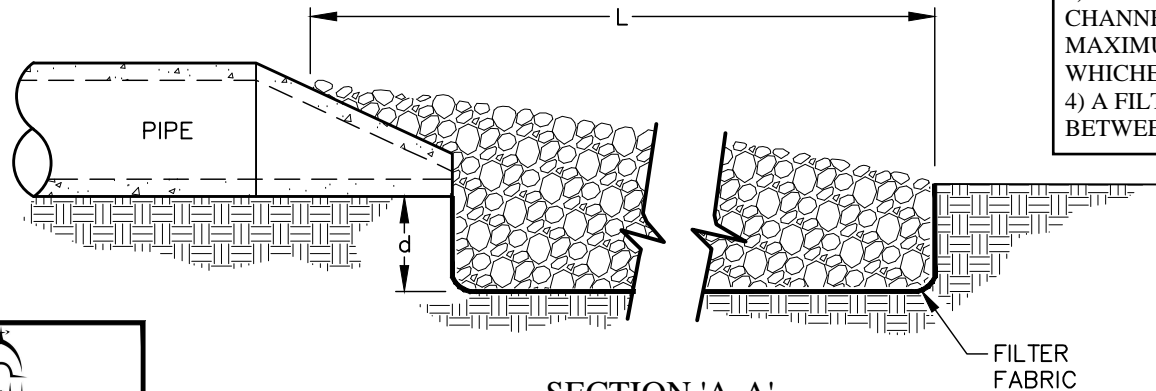


PLAN VIEW



SECTION 'A-A'

MAINTENANCE NOTES:

- 1) INSPECT RIPRAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT RAIN EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIP RAP HAS TAKEN PLACE. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.
- 2) IF EROSION IS EVIDENT PAST RIPRAP OUTLET PROTECTION PAD DUE TO RUNOFF DISCHARGING FROM PIPE, INCREASE DIMENSIONS OF RIPRAP PAD PROVIDED SPACE IS AVAILABLE WITHIN THE APPROVED LIMITS OF DISTURBANCE.

DESIGN NOTES:

- 1) L = THE LENGTH OF THE RIPRAP APRON.
- 2) d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6 INCHES.
- 3) IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6 INCHES ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
- 4) A FILTER BLANKET OR FILTER FABRIC MUST BE INSTALLED BETWEEN RIPRAP AND SOIL FOUNDATION.



STANDARD PIPE OUTLET (DEFINED CHANNEL)

DETAIL NUMBER

2018-007
SHEET 1 of 1