



PLAN

SECTION A-A

NOTES:

SEE APPROPRIATE SCHEDULE FOR DIMENSIONS

1. L_a is the length of the riprap apron.
2. $d = 1.5$ times the maximum stone diameter but not less than 6"
3. In well-defined channel extend the apron up the channel banks to an elevation of 6" above the maximum tailwater depth or to the top of the bank which ever is less.
4. A filter blanket or filter fabric should be installed between the riprap and soil foundation.

Filter blanket



DATE 8/16/04	REVISED 8/18/04	SCALE NOT TO SCALE	DETAIL SE-1
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PIPE CULVERT OUTLET PROTECTION FOR DEFINED CHANNEL
 CITY OF BURLINGTON, NORTH CAROLINA
 ENGINEERING DEPARTMENT