



1. ENGINEER SHOULD ENSURE STANDARD DESIGN IS ADEQUATE FOR INTENDED USE.
2. SLOPE DRAIN PIPE AT 1% TOWARD DISCHARGE
3. FILTER FABRIC TO BE NONWOVEN TYPE SUCH AS MIRAFI 140N OR APPROVED EQUAL (AVERAGE VALUES TENSILE STRENGTH 120 lbs, PUNCTURE STRENGTH 70 lbs, BURST STRENGTH 210 psi, COEFFICIENT OF PERMEABILITY, $K = 0.2$ cm/sec, WATER FLOW RATE 285 gal/min/sf.
4. TRENCH SHALL BE CLEAR OF ALL ROOTS, BOULDERS AND OTHER OBSTACLES. VOIDS IN THE TRENCH WALL SHALL BE BACKFILLED, SO FABRIC CONFORMITY TO THE TRENCH SIDES IS ENSURED.
5. OVERLAPS BETWEEN ROLLS SHALL HAVE UPSTREAM ROLL OVERLAP OVER THE DOWN STREAM ROLL BY AT LEAST 2'.
6. PLACE AGGREGATE IN 12" LIFTS (MAXIMUM LOOSE DEPTH) AND COMPACT USING PLATE COMPACTORS.

CITY OF SALISBURY, N.C. STANDARD DETAIL

DATE: JANUARY 1, 1991

STORM DRAINAGE

NOT TO SCALE

TYPICAL SUBSURFACE DRAIN

STANDARD

SD-12