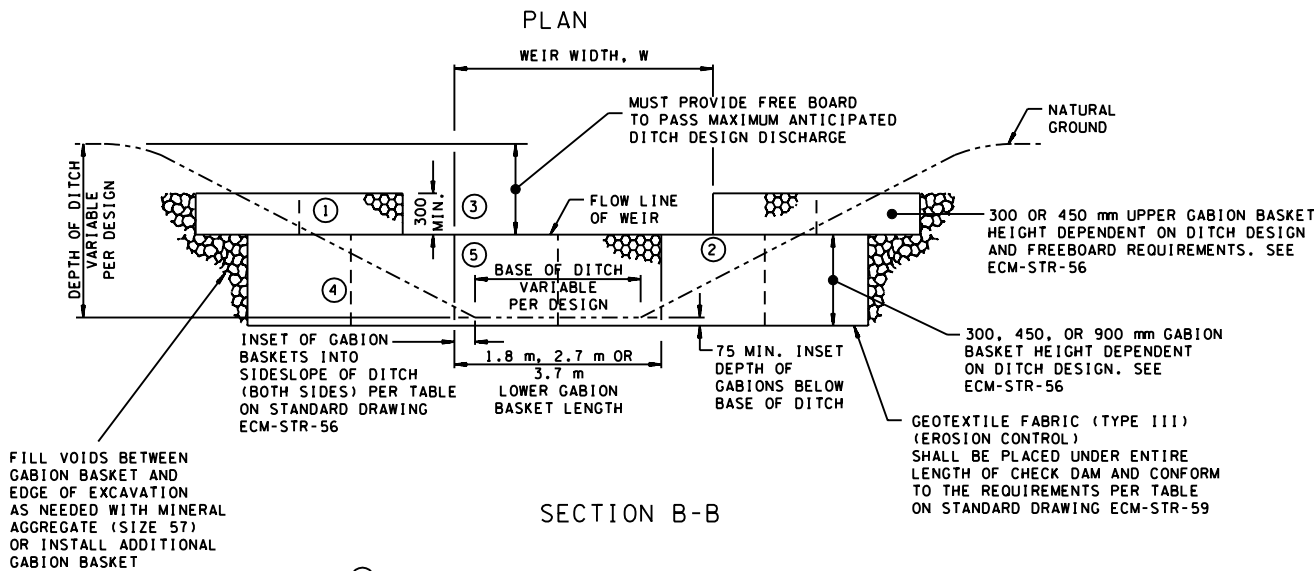
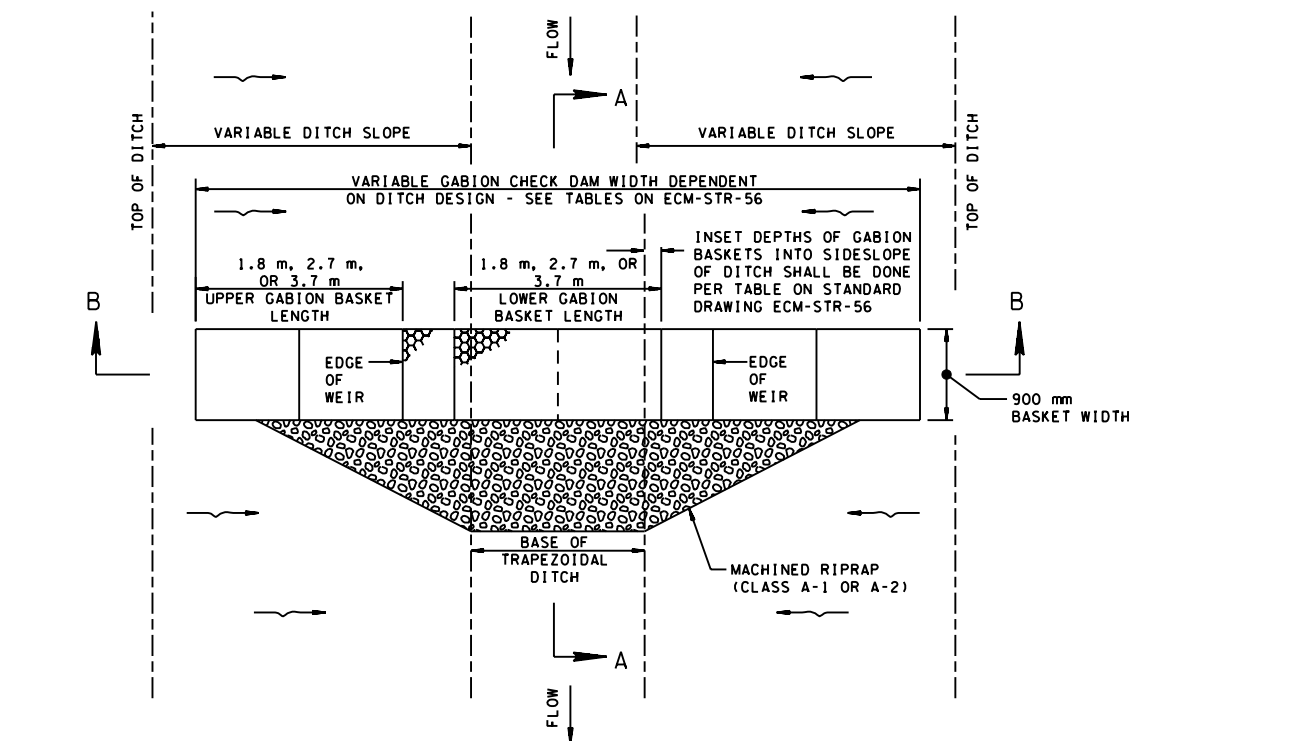
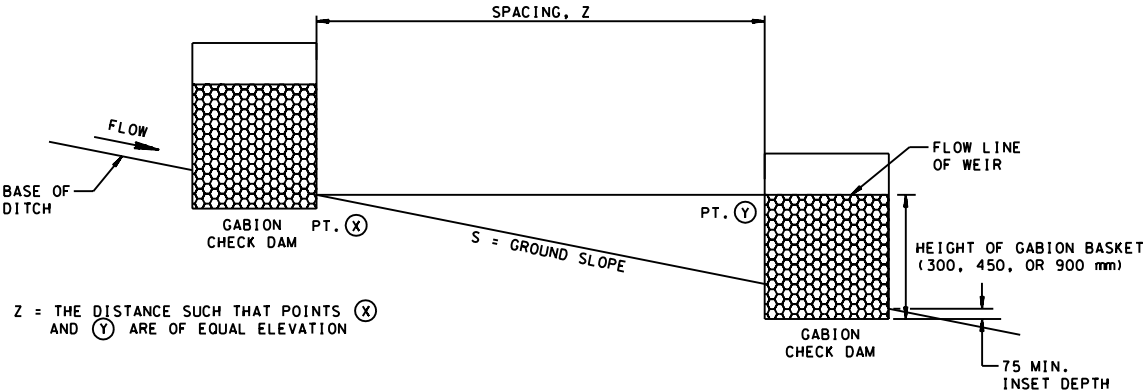
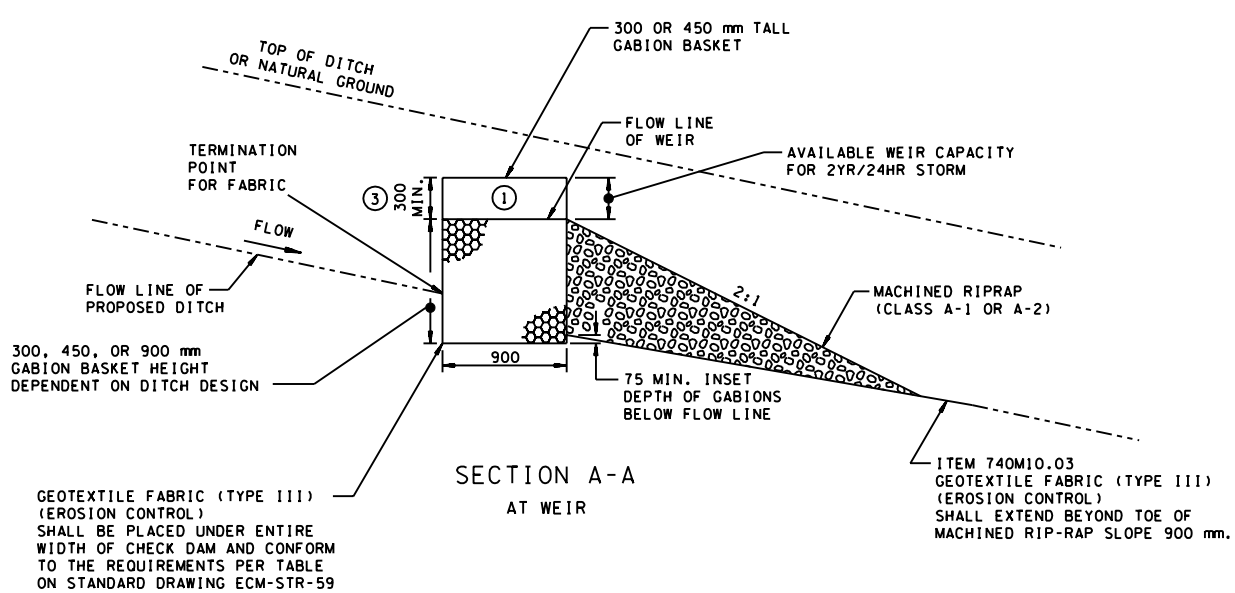


TEMPORARY OR PERMANENT GABION CHECK DAM
(ITEM NO. 209M09.25)



- SECTION B-B
- ① HEIGHT OF UPPER GABION SHALL BE OF EQUAL OR LESSER HEIGHT THAN LOWER GABION AND SHALL NOT EXCEED 450 mm.
 - ② VERTICAL JOINTS OF GABION BASKETS SHALL BE STAGGERED.
 - ③ SIZE WEIR TO CONTAIN THE 2YR/24HR STORM. CONTAIN DESIGN DISCHARGE WITHIN WEIR STRUCTURE WHERE POSSIBLE.
 - ④ DIAPHRAGMS SEPARATING INDIVIDUAL GABION CELLS.
 - ⑤ BASKET-TO-BASKET CONNECTIONS SHALL BE AS DIRECTED ON STD. DWG. ECM-STR-56 & ECM-STR-57.

EROSION CONTROL PLAN LEGEND:  GABION CHECK DAM



GABION CHECK DAM SPACING AT CENTER OF WEIR

GABION CHECK DAM SPACING TABLE			
GROUND SLOPE, S (m/m)	MAXIMUM SPACING BETWEEN GABIONS, Z FOR 300 mm BASKETS IN METERS	MAXIMUM SPACING BETWEEN GABIONS, Z FOR 450 mm BASKETS IN METERS	MAXIMUM SPACING BETWEEN GABIONS, Z FOR 900 mm BASKETS IN METERS
0.010	21.9	37.2	82.9
0.015	14.3	24.7	55.2
0.020	10.7	18.3	41.1
0.030	6.7	11.9	27.1
0.040	4.9	8.8	20.1
0.050	3.7	6.7	15.8
0.060	3.0	5.5	13.1
0.070	*	4.6	11.3
0.080	*	4.0	9.8
0.090	*	3.4	8.5
0.100	*	3.0	7.6
0.110	**	**	6.7
0.120	**	**	6.1
0.130	**	**	5.8
0.140	**	**	5.2
0.150	**	**	4.9
0.200	**	**	3.4

* USE 450 OR 900 MILLIMETER GABIONS
** USE 900 MILLIMETER GABIONS



ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GABION
CHECK DAM

7-29-04 ECM-STR-55