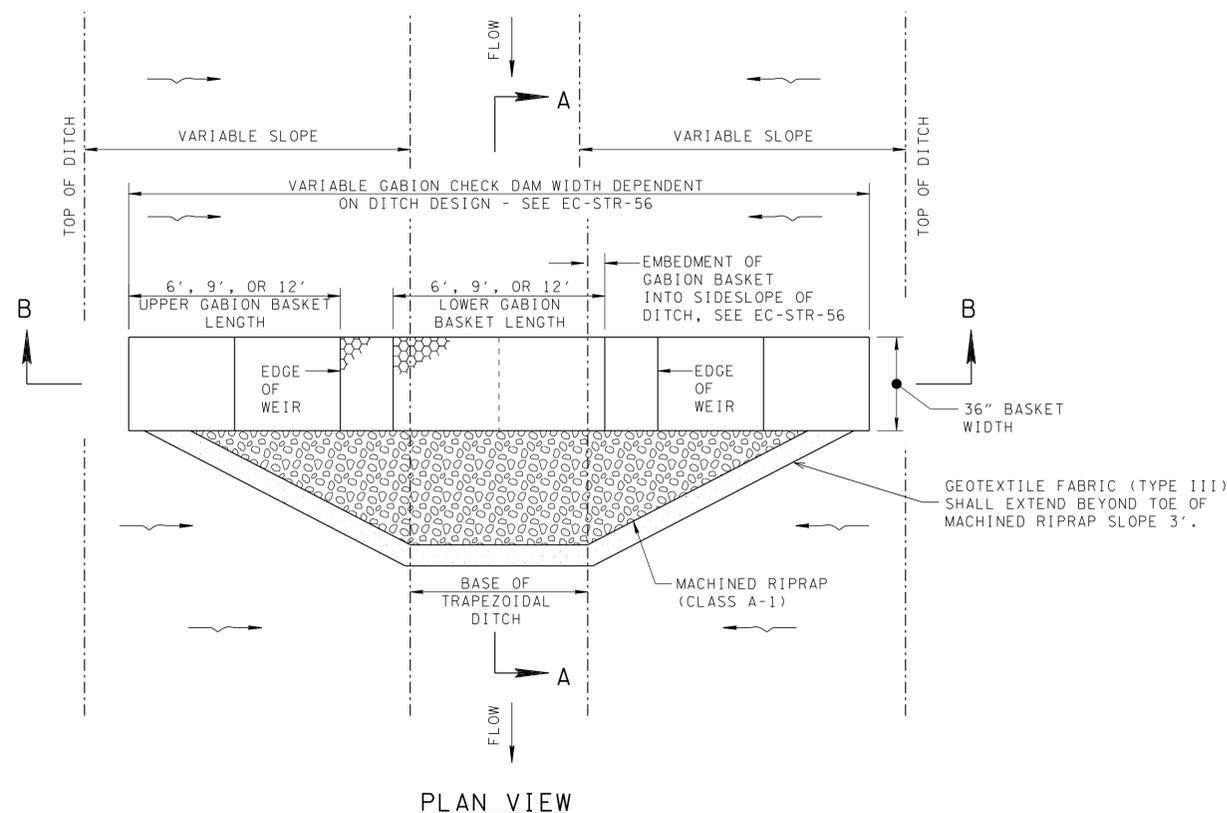
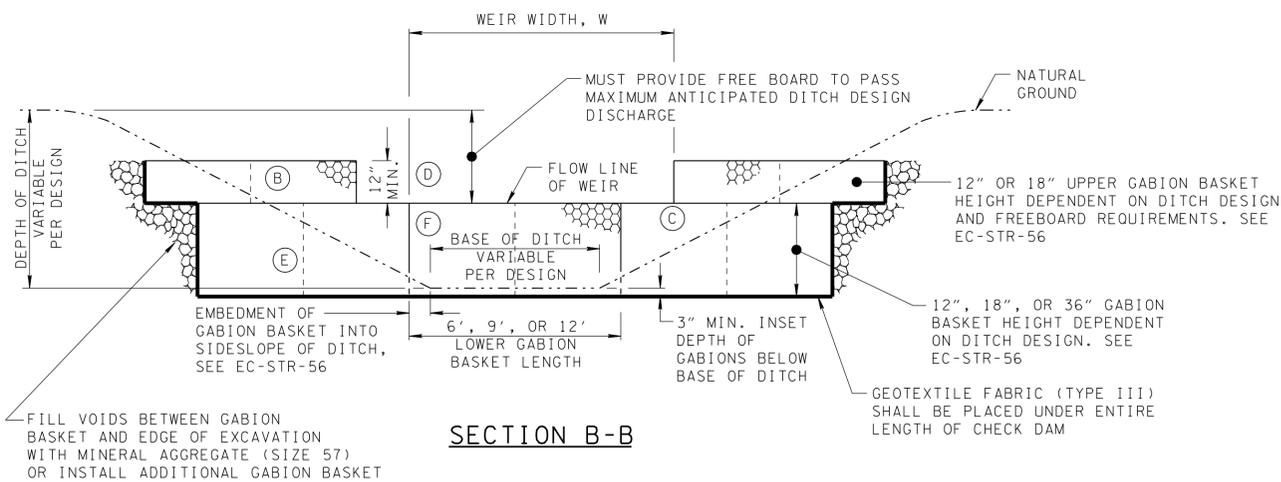


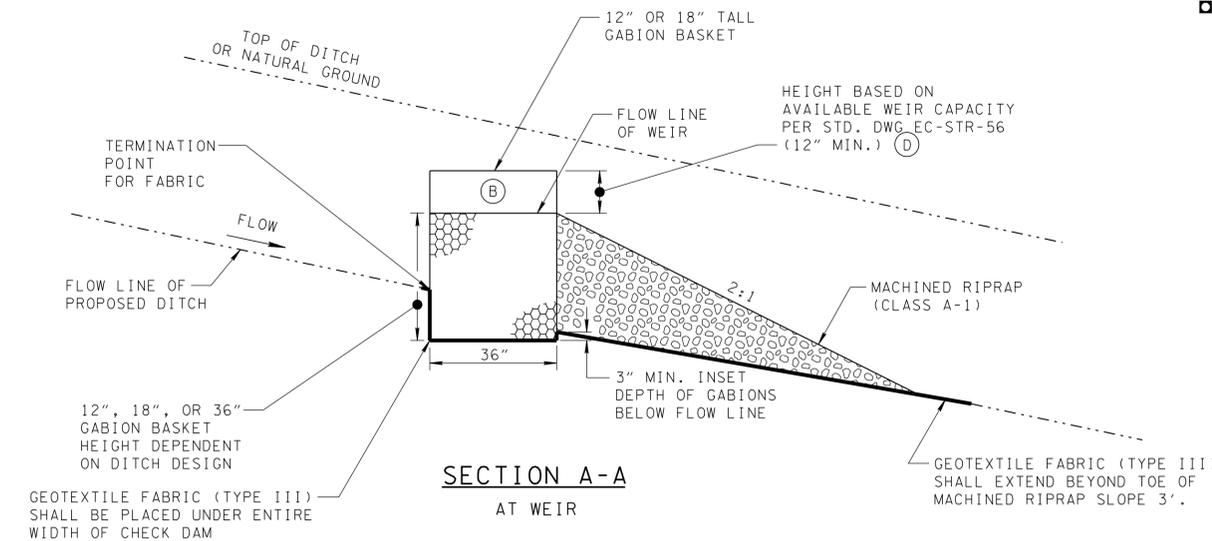
REV. 4-15-06: REFORMATTED SHEET, REVISED NOTES, MISC. EDITS TO DRAWING.
 REV. 4-1-08: REVISED GENERAL NOTES, TABLES, MISC. DRAFTING EDITS.



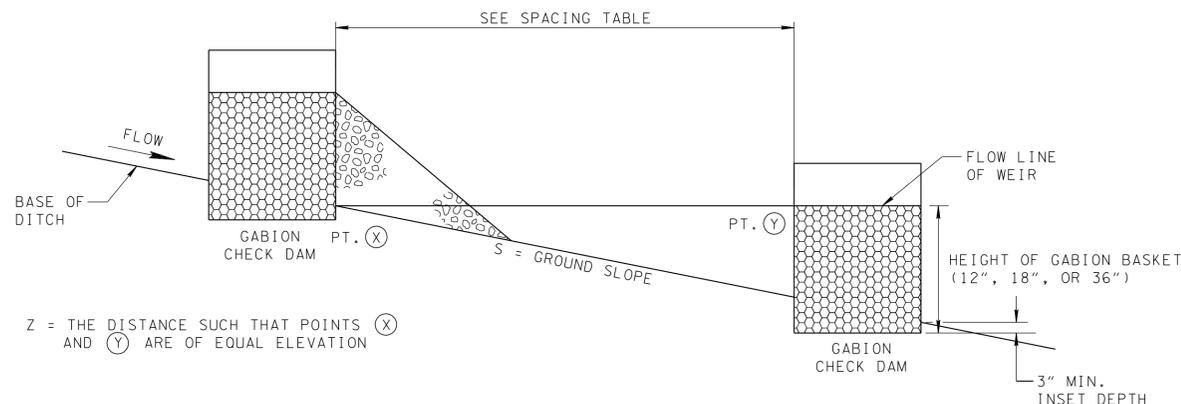
PLAN VIEW



SECTION B-B



SECTION A-A AT WEIR



GABION CHECK DAM SPACING AT CENTER OF WEIR

MAXIMUM GABION CHECK DAM SPACING TABLE (IN FEET)			
GROUND SLOPE, S (FT/FT)	12-INCH BASKETS	18-INCH BASKETS	36-INCH BASKETS
0.010	72	122	272
0.015	47	81	181
0.020	35	60	135
0.030	22	39	89
0.040	16	29	66
0.050	12	22	52
0.060	10	18	43
0.070	N/A	15	37
0.080	N/A	13	32
0.090	N/A	11	28
0.100	N/A	10	25
0.110	N/A	N/A	22
0.120	N/A	N/A	20
0.130	N/A	N/A	19
0.140	N/A	N/A	17
0.150	N/A	N/A	16
0.200	N/A	N/A	11

GABION CHECK DAM GENERAL NOTES	
(A) GABION CHECK DAMS ARE USED FOR VELOCITY REDUCTION AND EROSION PREVENTION IN AREAS WHERE CONCENTRATED FLOWS EXIST. GABION CHECK DAMS ARE NOT TO BE USED FOR SEDIMENT CONTROL AND SHOULD NOT BE CONSIDERED A SEDIMENT TRAPPING DEVICE. GABION CHECK DAMS SHALL NOT BE USED IN STREAMS OR OTHER NATURAL WATER RESOURCES.	(E) DIAPHRAGMS SEPARATE INDIVIDUAL GABION CELLS.
(B) HEIGHT OF UPPER GABION SHALL BE OF EQUAL OR LESSER HEIGHT THAN LOWER GABION AND SHALL NOT EXCEED 18".	(F) BASKET-TO-BASKET CONNECTIONS SHALL BE AS DIRECTED ON STD. DWG. EC-STR-57 & EC-STR-58.
(C) VERTICAL JOINTS OF GABION BASKETS SHALL BE STAGGERED.	(G) THE DRAINAGE AREA FOR THE GABION CHECK DAM SHALL BE 35 ACRES OR LESS.
(D) SIZE WEIR TO CONTAIN THE 2-YEAR, 24-HOUR STORM. CONTAIN DESIGN DISCHARGE WITHIN WEIR STRUCTURE WHERE POSSIBLE. FOR SITES WHICH DRAIN TO HIGH-QUALITY OR SEDIMENT-IMPAIRED STREAMS, THE WEIR SHALL BE SIZED TO CONTAIN THE 5-YEAR, 24-HOUR STORM.	(H) SEE STANDARD DRAWINGS EC-STR-56, EC-STR-57, EC-STR-58, AND EC-STR-59 FOR ADDITIONAL DETAILS AND GENERAL NOTES NOT SHOWN ON THIS DRAWING.

EROSION CONTROL PLAN LEGEND:  GABION CHECK DAM

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GABION CHECK DAM

7-29-04 EC-STR-55