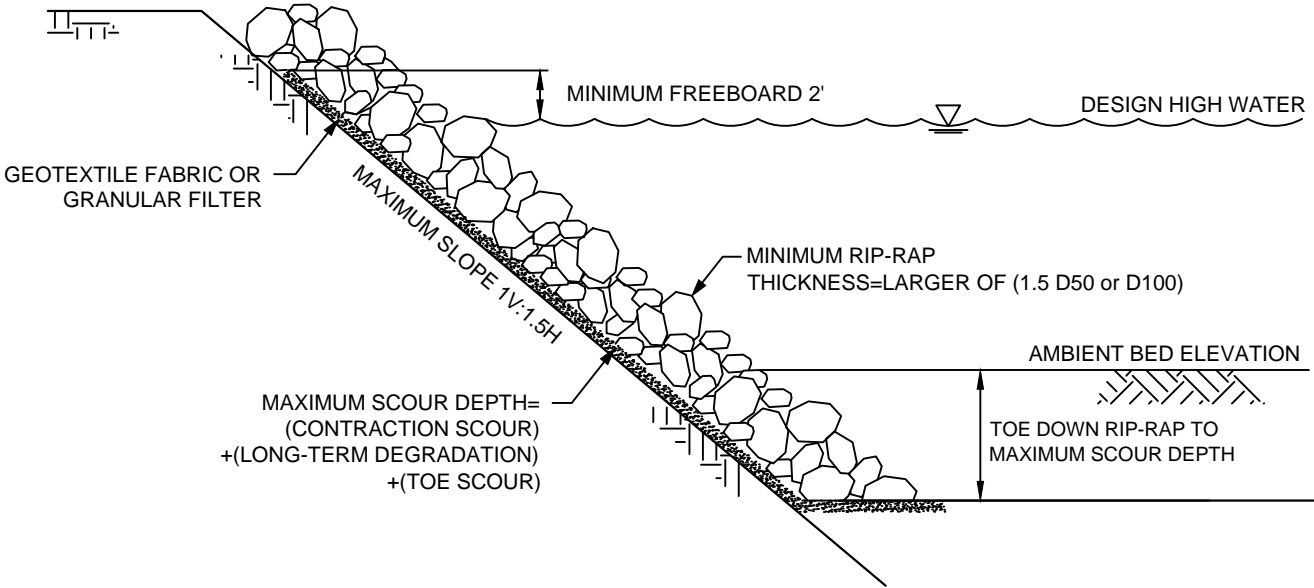


HEAVY RIP-RAP (SESC-46)



SIZE OF TYPICAL RIP-RAP STONES
(assuming a unit weight 165 pounds per cubic foot)

WEIGHT (LBS.)	AVERAGE SPHERICAL DIAMETER (IN.) D50	TYPICAL LENGTH (IN.)	RECTANGULAR SHAPE WIDTH/HEIGHT (IN.)
50	10	18	6
100	13	21	7
150	14	24	8
300	18	30	10
500	22	36	12
1000	27	45	15
1500	31	52	17
2000	34	57	19
4000	43	72	24
6000	49	83	28
8000	54	90	30

Source: Adapted from USDA NRCS