



**NOTES:**

1. SELECT AN EROSION CONTROL BLANKET (ECB) GRADE BASED ON THE CHANNEL GEOMETRY AND FLOW CONDITIONS. FOLLOW MANUFACTURER'S RECOMMENDED PROCEDURES.
2. A SECTION OF ECB SHALL BE PLACED ACROSS THE FLOWLINE DIRECTION OF THE CHANNEL PRIOR TO THE INSTALLATION OF THE HDPE CHECK DAM VELOCITY REDUCTION AND SEDIMENT CONTROL DEVICE. THE ECB SECTION MUST SPAN THE ENTIRE WIDTH OF THE CHANNEL, WHILE THE WIDTH OF THE BLANKET MUST BE AT LEAST ONE ROLL WIDTH OR NO LESS THAN (4FT.)
3. SECURE THE UPSTREAM EDGE OF THE ECB BY KEYING INTO A 4" TRENCH AND SECURING WITH FABRIC STAPLES AT 2FT. INTERVALS. BACKFILL WITH SOIL AND COMPACT TRENCH.
4. SECURE THE DOWNSTREAM EDGE OF THE BLANKET WITH 6 INCH MINIMUM STAPLES PLACED AT 1FT. INTERVALS ALONG THE EDGE.
5. PLACE THE HDPE CHECK DAM IN THE MIDDLE OF THE ECB AND ANCHOR WITH 10 INCH SPIRAL SPIKES. ANCHOR SPACING DEPENDS ON SOIL CONDITION AND DENSITY MINIMUM RECOMMENDATION IS 3 ANCHORS ON THE UPSTREAM SIDE AND 2 ANCHORS ON THE DOWNSTREAM SIDE. THE ANCHORS WILL PREVENT WATER FROM GOING AROUND OR UNDER THE HDPE CHECK DAM.
6. WHEN POSITIONING HDPE CHECK DAM PANELS IN A CHANNEL, THE GRADIENT PLAYS A KEY ROLE IN THE DISTANCE BETWEEN PANELS AS FOLLOWS:

<u>GRADIENT</u>	<u>*SPACING</u>
1%	75.5 FT
2%	37.7 FT
3%	25.3 FT
4%	19.0 FT
5%	15.1 FT
6%	12.5 FT
7%	10.3 FT
8%	9.5 FT
9%	8.5 FT
10%	7.6 FT

\*SPACING IS BASED ON CALCULATING THE HEIGHT OF GEORIDGE DIVIDE BY THE GRADIENT.