



CROSS SECTION

INSTALLATION NOTES:

1. STABILIZE IMMEDIATELY UPON CONSTRUCTION AND PRIOR TO SITE INSPECTION APPROVAL.
2. STABILIZE DIVERSION DITCH BASED ON DESIGN VELOCITY. IF DESIGN VELOCITIES (Q2) IN BARE EARTH CONDITIONS EXCEED 2 FEET/SECOND, A TEMPORARY LINER IS REQUIRED.
3. TEMPORARY DIVERSIONS ARE TO ONLY BE USED FOR DRAINAGE AREAS OF 5 ACRES OR LESS TO INTERCEPT FLOW AND/OR DIVERT TO A SEDIMENT CONTROL MEASURE.
4. RIDGES WILL HAVE A 2 FEET MINIMUM TOP WIDTH, 2:1 OR FLATTER SIDE SLOPES AND A MINIMUM OF 6 INCHES OF FREEBOARD.
5. CHANNELS WILL HAVE A PARABOLIC, TRAPEZOIDAL, OR V SHAPE WITH SIDE SLOPES OF 2:1 OR FLATTER.
6. ANY POINT WHERE VEHICLES WILL BE CROSSING SHOULD HAVE 3:1 OR FLATTER SIDE SLOPES.
7. PROVIDE SUFFICIENT ROOM AROUND DIVERSIONS TO PERMIT MACHINE RE-GRADING AND CLEANOUT.

MAINTENANCE NOTES:

1. MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK OR IMMEDIATELY AFTER EACH RAINFALL OF 1.0 INCH OR GREATER.
2. SILT SHALL BE REMOVED WHEN DIVERSION DITCH IS ONE-HALF FULL.
3. DITCH SHALL BE RECONSTRUCTED BEFORE THE END OF THE WORKDAY WHEN DAMAGE BY EQUIPMENT OR COVERED BY FILL.

CITY OF RALEIGH		
STANDARD DETAIL		
REVISIONS	DATE: 9/2024	NOT TO SCALE
	DIVERSION DITCH	
	SW-20.15	