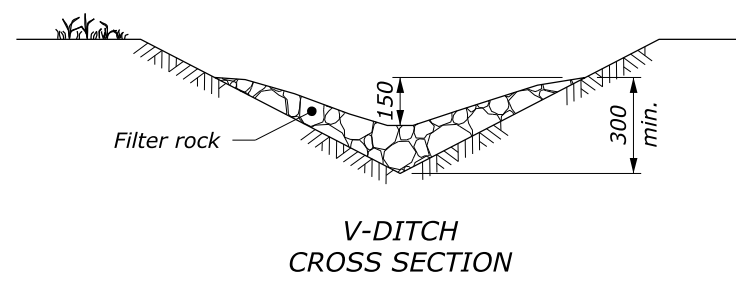
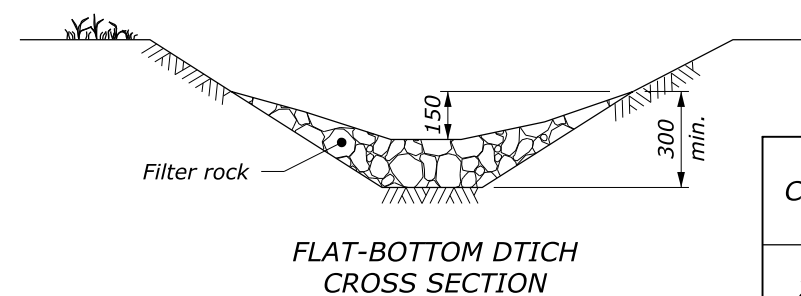


CROSS SECTION

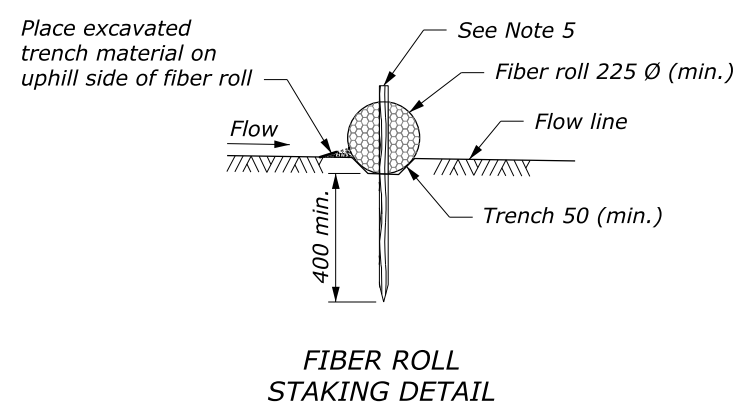


V-DITCH CROSS SECTION



FLAT-BOTTOM DTICH CROSS SECTION

- NOTE:**
1. Construct check dams from fiber rolls, filter rock, or gravel bags as approved by the CO, to meet the functional requirements of the check dam device.
 2. Repair all rills or gullies and properly compact prior to installation.
 3. Install check dams in ditches perpendicular to the flowline.
 4. Stake fiber rolls in place with 28 mm x 28 mm wood stakes. Drive stakes at each end of the fiber roll and at 600 mm (max.) spacing.
 5. Drive stakes into undisturbed soil of trench bottom. Expose stakes 50 mm (min.) above top of fiber roll.
 6. Provide sufficient length to prevent water from flowing around the ends of the fiber roll.
 7. Adjust check dam spacing based on site-specific conditions.
 8. Dimensions without units are millimeters.



FIBER ROLL STAKING DETAIL

DITCH GRADE	CHECK DAM SPACING (max.) (m)
2%	45
3%	30
4%	24
5%	18

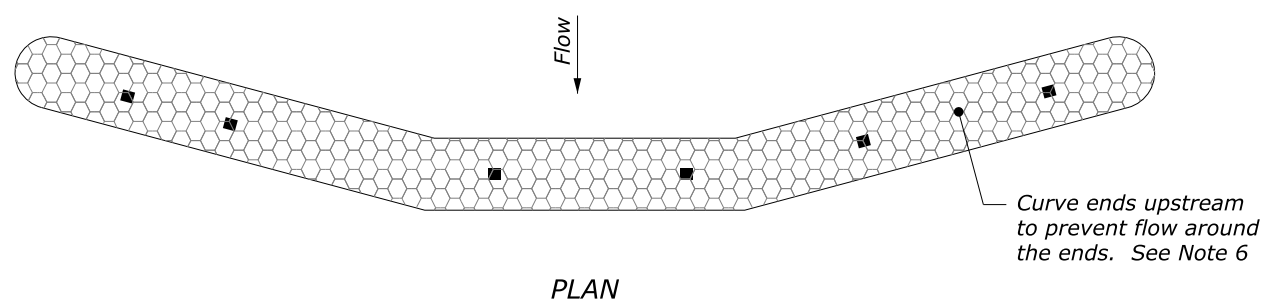
* Spacing calculated based on 225 Ø minimum fiber roll.
Do not use fiber roll check dams on ditch grades steeper than 5%.

DITCH GRADE	CHECK DAM SPACING (max.) (m)
2%	45
3%	30
4%	24
5%	18
6%	15

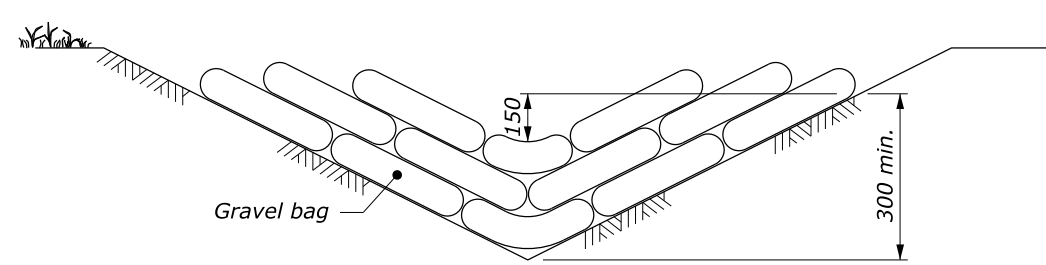
FILTER ROCK CHECK DAM

DITCH GRADE	CHECK DAM SPACING (max.) (m)
2%	45
3%	30
4%	24
5%	18
6%	15

* Do not use gravel bag check dams on ditch grades steeper than 6%.



PLAN
FIBER ROLL CHECK DAM



CROSS SECTION
GRAVEL BAG CHECK DAM

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
METRIC DETAIL	
CHECK DAM MODERATE GRADES	
DETAIL APPROVED FOR USE --/----	DETAIL
REVISED: 7/2016	MW157-15