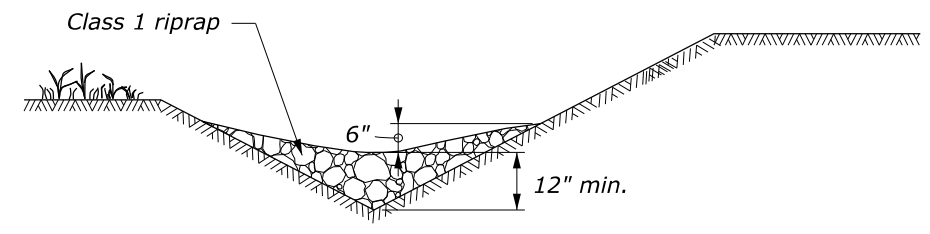
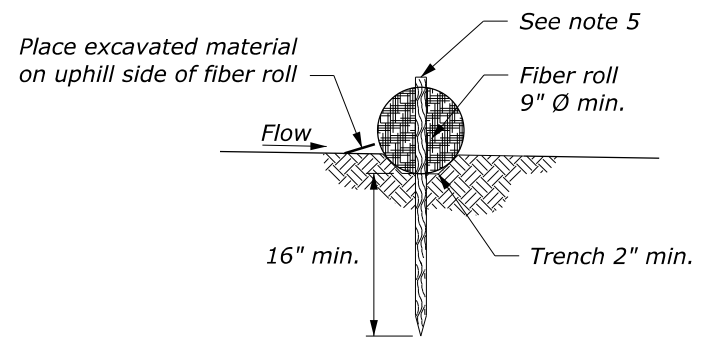


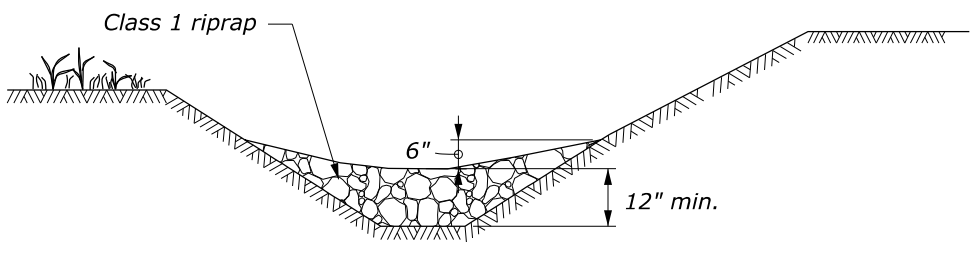
CROSS SECTION



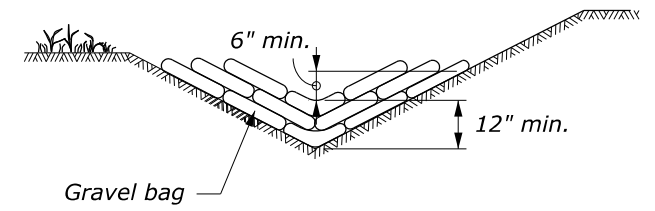
V DITCH  
CROSS SECTION



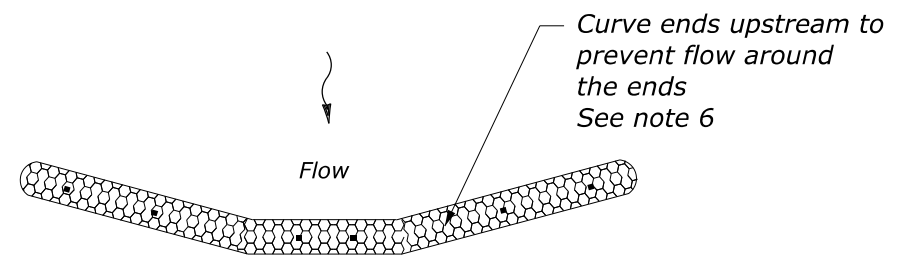
FIBER ROLL  
STAKING DETAIL



FLAT BOTTOM  
CROSS SECTION



CROSS SECTION



PLAN

FIBER ROLL CHECK DAM SPACING* (See note 7)	
DITCH GRADE	MAX. CHECK DAM SPACING (ft)
2%	150
3%	100
4%	80
5%	60

\*Spacing calculated based on  
9" Ø min. fiber roll. Do not  
use fiber roll check dams on  
ditch grades steeper than 5%.

**FIBER ROLL CHECK DAM**

RIPRAP CHECK DAM SPACING (See note 7)	
DITCH GRADE	MAX. CHECK DAM SPACING (ft)
2%	150
3%	100
4%	80
5%	60
6%	50

**RIPRAP CHECK DAM**

GRAVEL BAG CHECK DAM SPACING* (See note 7)	
DITCH GRADE	MAX. CHECK DAM SPACING (ft)
2%	150
3%	100
4%	80
5%	60
6%	50

\*Do not use gravel bag check dam  
on ditch grades steeper than 6%

**GRAVEL BAG CHECK DAM**

**NOTE:**

1. Check dams of fiber rolls, riprap, or gravel bags may be used to meet the functional requirements of the check dam device.
2. Repair all rills and gullies and properly compact before installation.
3. Install check dams in ditches perpendicular to the flow line.
4. Stake fiber rolls in place with 1 1/8" x 1 1/8" wood stakes. Drive stakes at each end of the fiber roll and at 2-foot maximum spacing.
5. Drive stakes into undisturbed soil of trench bottom 16" minimum. Expose stakes a minimum of 2 inches 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.

NO SCALE

7 June 2024 6:58 AM K:\CADD\_Coordinator\ORD Drawings\Details\C157-53\pl4.dgn [Det: C157-53]