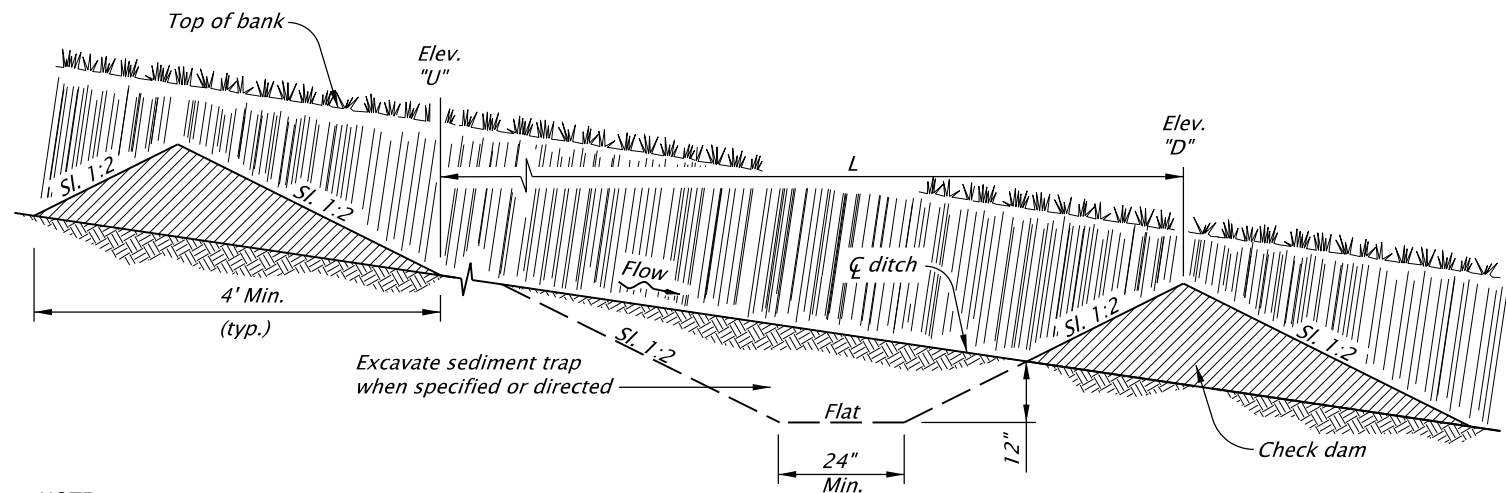
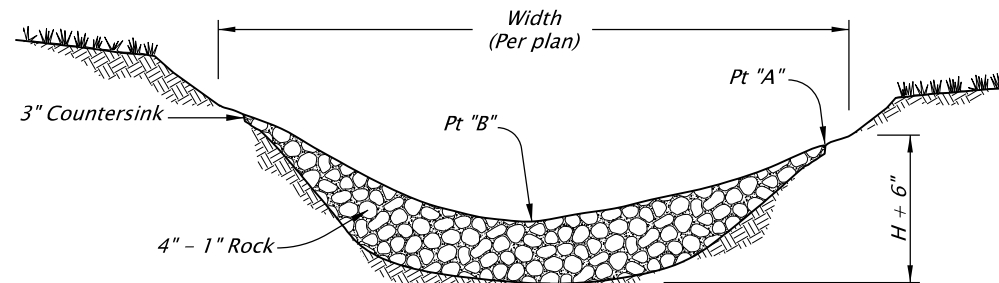




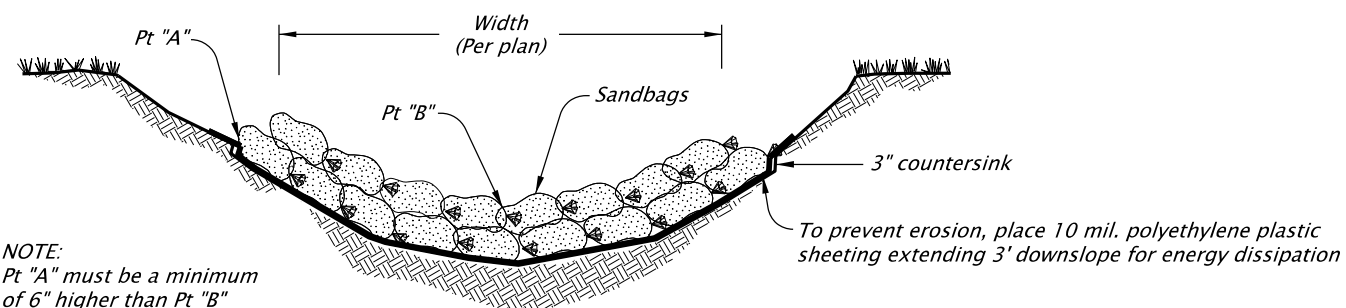
NOTE:
L = Spacing along swale or ditch so that
Elevation "U" equals Elevation "D".

**TYPICAL PROFILE SECTION CHECK DAMS
(SHOWN WITH AGGREGATE)**
NOT TO SCALE



NOTE:
Pt "A" must be a minimum
of 6" higher than Pt "B"

AGGREGATE CHECK DAM - TYPE 1
NOT TO SCALE



NOTE:
Pt "A" must be a minimum
of 6" higher than Pt "B"

SANDBAG CHECK DAM - TYPE 4
NOT TO SCALE

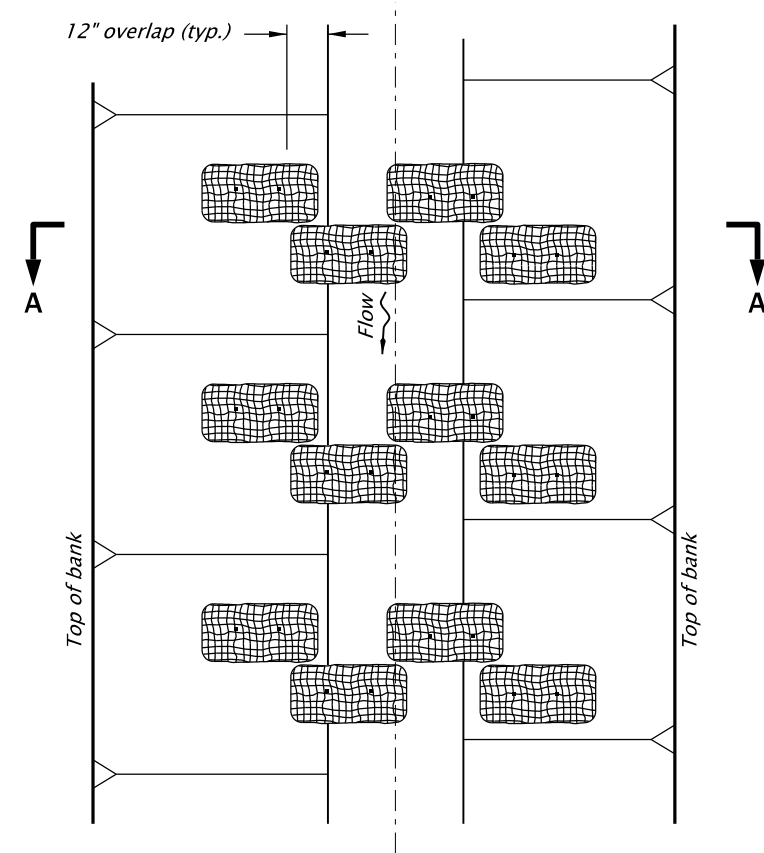
NOTES:

1. Type 3 - stake biofilter bags with two 2"x2"x18" (minimum) wood stakes per bag. Drive stakes a minimum of 6" into the ground and flush with the top of the bags. Omit stakes if placed over paved surfaces. Overlap bags 12" minimum at each joint.
2. Type 4 - Tightly abut or overlap ends of sandbags at each joint.
3. Spacing between check dams for all check dam types shall comply with the typical profile section shown above.
4. Construct check dams Type 3 or 4 with two bags when installed in paved gutter with curb section.

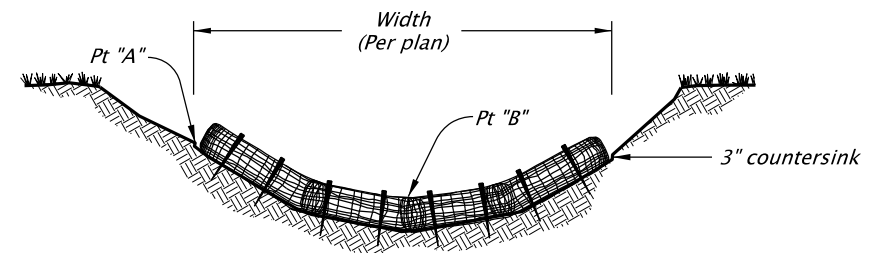
MAXIMUM CHECK DAM SPACING "L"				
Ditch Grade	H=8"	H=12"	H=18"	H=24"
10%	**	**	15'	20'
9%	**	**	16'	22'
8%	**	**	18'	25'
7%	**	**	21'	28'
6%	**	16'	25'	33'
5%	**	20'	30'	40'
4%	16'	25'	37'	50'
3%	22'	33'	50'	66'
2%	33'	50'	75'	100'

** Not allowed

H = Min. dam height



PLAN



SECTION A-A

BIOFILTER BAG CHECK DAM - TYPE 3
NOT TO SCALE

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

**CHECK DAMS
TYPE 1, 3 AND 4**

2024

DATE	REVISION	DESCRIPTION
01-2021	REMOVED CALC BOOK NUMBERS	
07-2024	ADDED NOTE 4	
CALC. BOOK NO.	N/A	SDR DATE: 12-JUL-2024

RD1005

Effective Date: June 1, 2026 – November 30, 2026