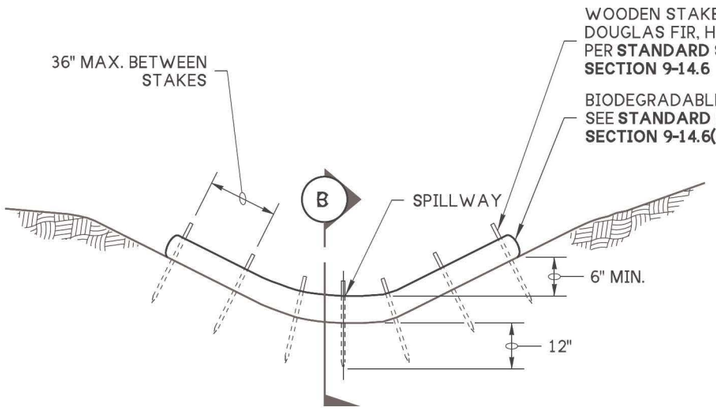
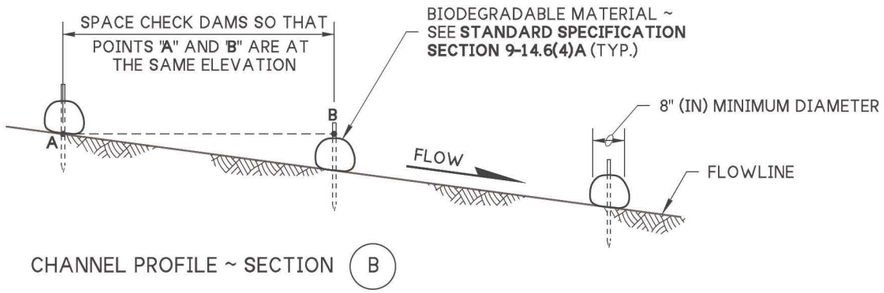



**TYPICAL CHANNEL SECTION**




CHANNEL PROFILE ~ SECTION (B)

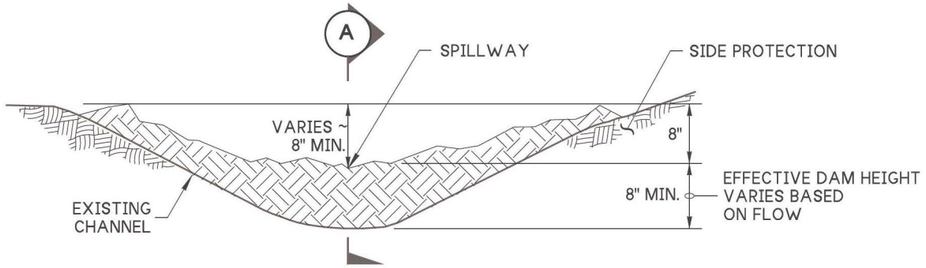
## BIODEGRADABLE CHECK DAM

**NOTES**

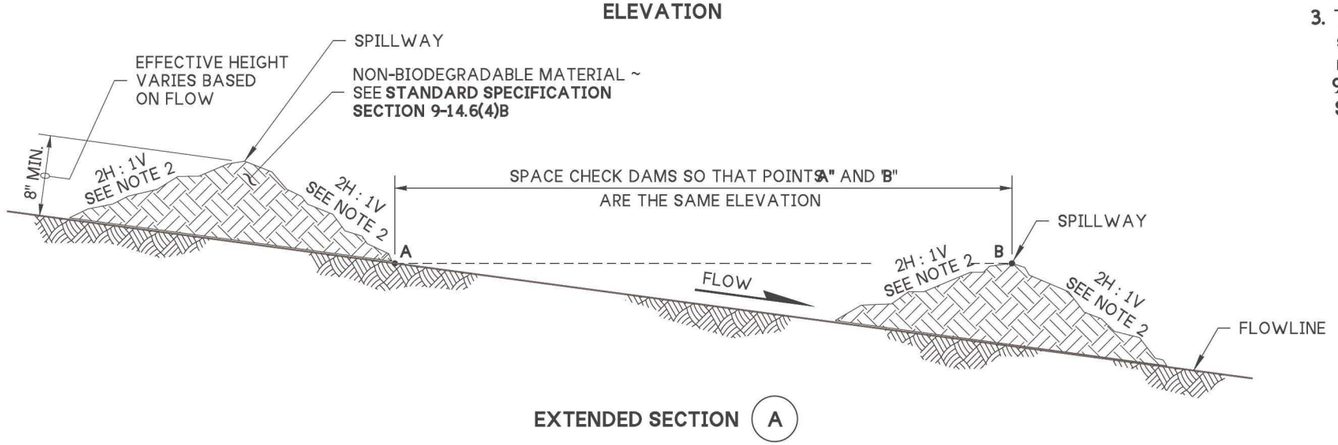
1. Check Dams shall meet the requirements of **Standard Specification Sections 8-01.3(6)** and **9-14.6(4)**.
2. In channels, install the sloped ends of the Check Dam a minimum of 8" (in) higher than the spillway to ensure water flows over the dam and not around it.
3. Perform maintenance in accordance with **Standard Specification Section 8-01.3(15)**.
4. Remove Check Dams in accordance with **Standard Specification Section 8-01.3(16)**.
5. Refer to **Standard Specification Section 8-01.3(16)** for removal.

**BIODEGRADABLE CHECK DAM NOTES**

1. Porous biodegradable material such as straw wattles shall not be used in areas of concentrated flows.
2. Biodegradable Check Dams may need additional or modified staking to prevent undercutting or scouring.




**ELEVATION**




**EXTENDED SECTION (A)**

## NON-BIODEGRADABLE CHECK DAM

**NON-BIODEGRADABLE CECK DAM NOTES**

1. Non-Biodegradable Manufactured Check Dam devices approved for use under **Standard Specification Section 9-14.6(4)B** shall be installed per manufacturer's recommendations and shall perform in accordance with **Standard Specification Section 8-01.3(6)**.
2. Rock Check Dams with slopes parallel to the roadway that are steeper than 10H : 1V shall be placed outside of the clear zone or behind traffic barrier.
3. To ensure adequate detention time, Rock Check Dams used as sediment control may need to be enhanced with plastic that meets the requirements of **Standard Specification Section 9-14.6(3)** or fabric that meets the geotextile requirements of **Standard Specification Section 9-33.2(1), Table 6**.

May 21, 2026

**CHECK DAMS ON CHANNELS**

**STANDARD PLAN I-50.20-03**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

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STATE DESIGN ENGINEER

Washington State Department of Transportation

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