

Common work scenarios and types of impacts — Section 404/10/401 Permitting

March 2020

Legend			
	Existing		Excavation
	Proposed		Fill—general
	Wetland		Fill—streambed material

Work: Clean excavation in wetland or stream.

Impact: No impact.

Work: Excavate new stream channel in wetland and place streambed material.

Impact: Permanent impact. Conversion of wetland to stream. No loss of water.

Work: Regrade stream bed and place new streambed material.

Impact: Permanent impact. No loss of water.

Work: Place roadway fill in wetland.

Impact: Permanent loss of waters.

Work: Mechanized clearing and/or grubbing.

Impact: Temporary impact. No loss of water.

If compaction, permanent loss of waters.

Work: Hand clearing.

Impact: If all cut material removed, no impact.

If material mulched in place, temporary impact.



Work: Place structure in wetland.

Impact: No impact unless structure(s) act as fill (ex: there are many close together they create shade that impacts wetland functions).

Work: Place structure below or over OHW or HTL

Impact: If Section 10 water, permanent impact.

If not Section 10, no impact unless acts as fill or backfill around the structure.

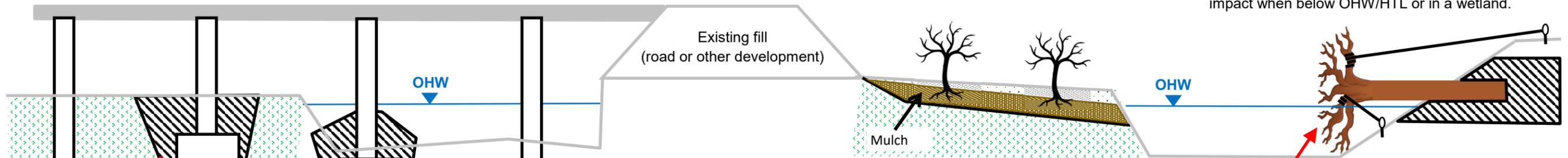
Work: Grade, place mulch and compost, then plant for wetland restoration.

Impact: Temporary impact. No loss of water.

Work: Install large woody material (LWM) for bank protection.

Impact: LWM is a structure and only an impact if placed in a Section 10 water.

Fill to key-in or anchor the LWM is a permanent impact when below OHW/HTL or in a wetland.



Note: Excavation and fill around a structure is a permanent impact.

Note: If LWM is not cleaned before installation, any material on the roots is fill.

Work: Sandbags as temporary diversion.

Impact: Temporary impact as long as sandbags are removed.

Work: Fill in median*.

Impact: If the median is on roadway fill, no impact.

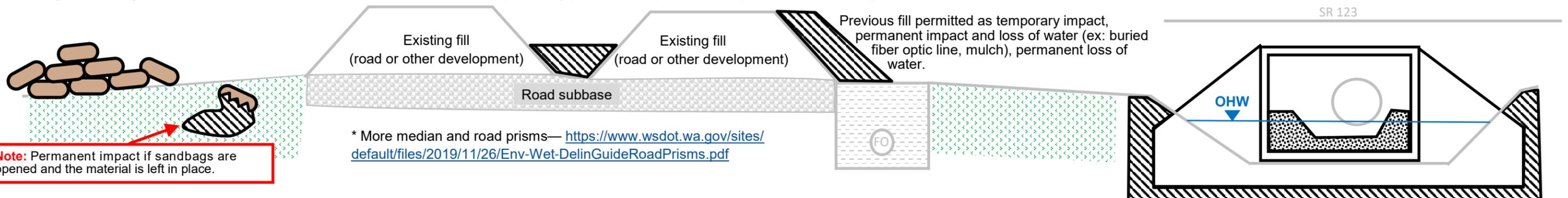
If median is not on previously permitted fill, permanent impact.

Work: Fill on previously authorized fill.

Impact: Previous fill permitted as a permanent impact & mitigated, no impact. (ex: fill in an elevated median)

Work: Culvert inlet and outlet protection (ex: wingwalls, headwalls, outfalls, & splash pads)

Impact: Permanent impact. Possible loss of water.



Note: Permanent impact if sandbags are opened and the material is left in place.

* More median and road prisms— <https://www.wsdot.wa.gov/sites/default/files/2019/11/26/Env-Wet-DelinGuideRoadPrisms.pdf>

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