

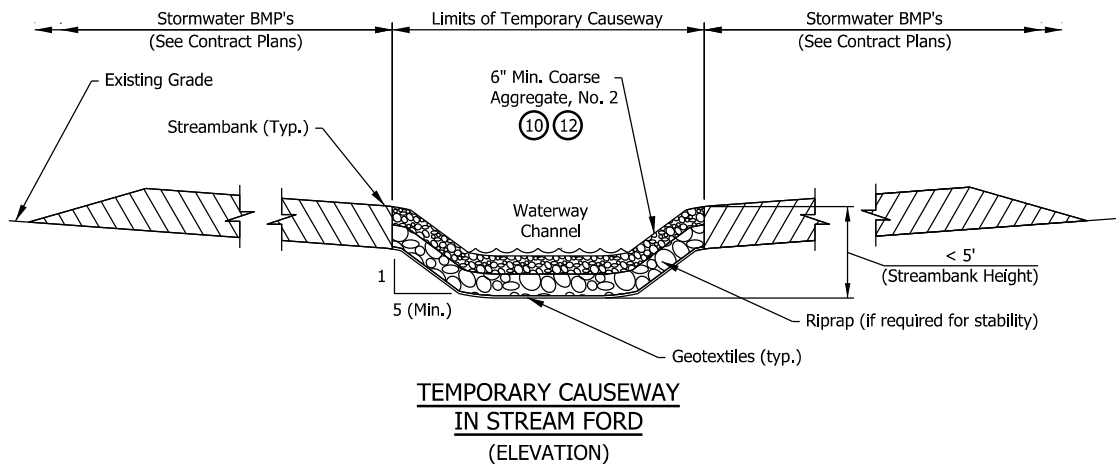
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GENERAL NOTES:

1. The temporary causeway shall remain in place no longer than the time specified in the permits.
2. The Contractor shall confirm that all regulatory requirements are met prior to construction of any crossing.
3. The crossing shall be perpendicular to the stream flow. Spurs constructed parallel to the stream may be acceptable to access pier locations. Spurs shall meet the same requirements as the main causeway and shall not create additional restrictions to the flow.

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TEMPORARY CAUSEWAY
INDEX AND GENERAL NOTES

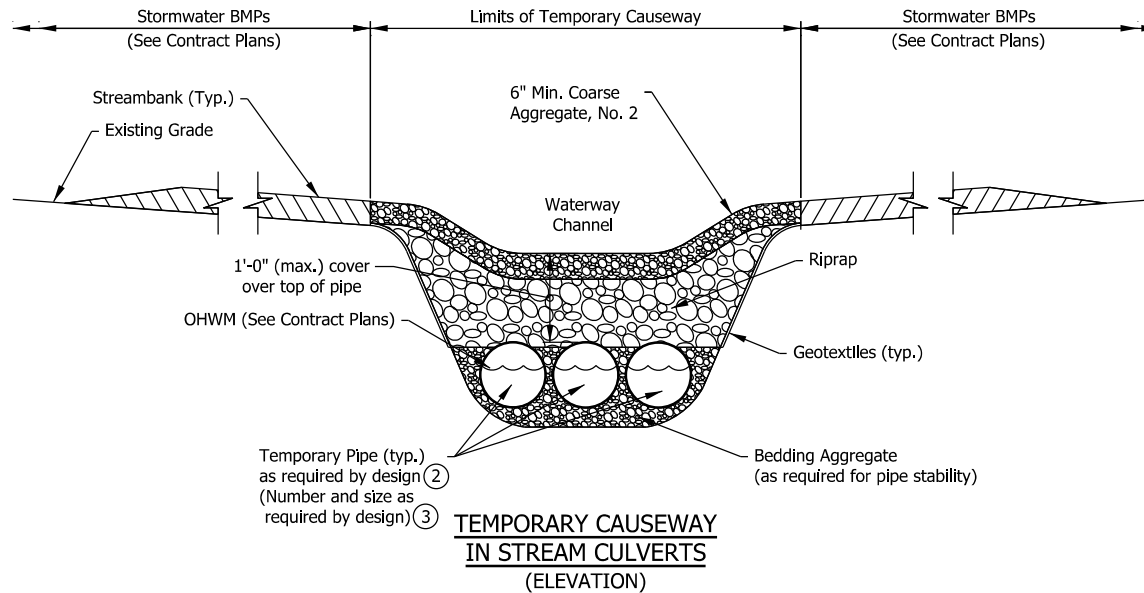


NOTES:

1. For use in ephemeral or intermittent streams as classified in the waters report in the permits only.
2. For use in channels with minimal construction traffic.
3. For use in channels with a streambank height less than 5 ft above the streambed.
4. For use in channels where the water depth does not exceed 2 ft under typical flow conditions and the drainage areas are less than 1 sq mi.
5. The streambed should support the low water crossing without special site preparation.
6. The causeway shall not be constructed in an officially designated trout stream, on a wild, scenic, or recreational river, or on an officially designated water trail route unless authorized by the permits.
7. The ford shall not direct water out of the channel.
8. Soil or other material shall not be placed in the channel. Existing material shall not be excavated from the channel except to lay back the stream bank for access.
9. Banks shall be laid back to no steeper than 5:1.
- ⑩ The maximum driving surface width shall be 30 ft.
11. All stone shall be placed on geotextile.
- ⑫ Temporary construction mats may be substituted for the coarse aggregate and riprap. Creosote-treated materials shall not be used.
13. The stream channel and stream banks shall be returned to their original condition after the temporary causeway is removed unless otherwise noted on the plans.

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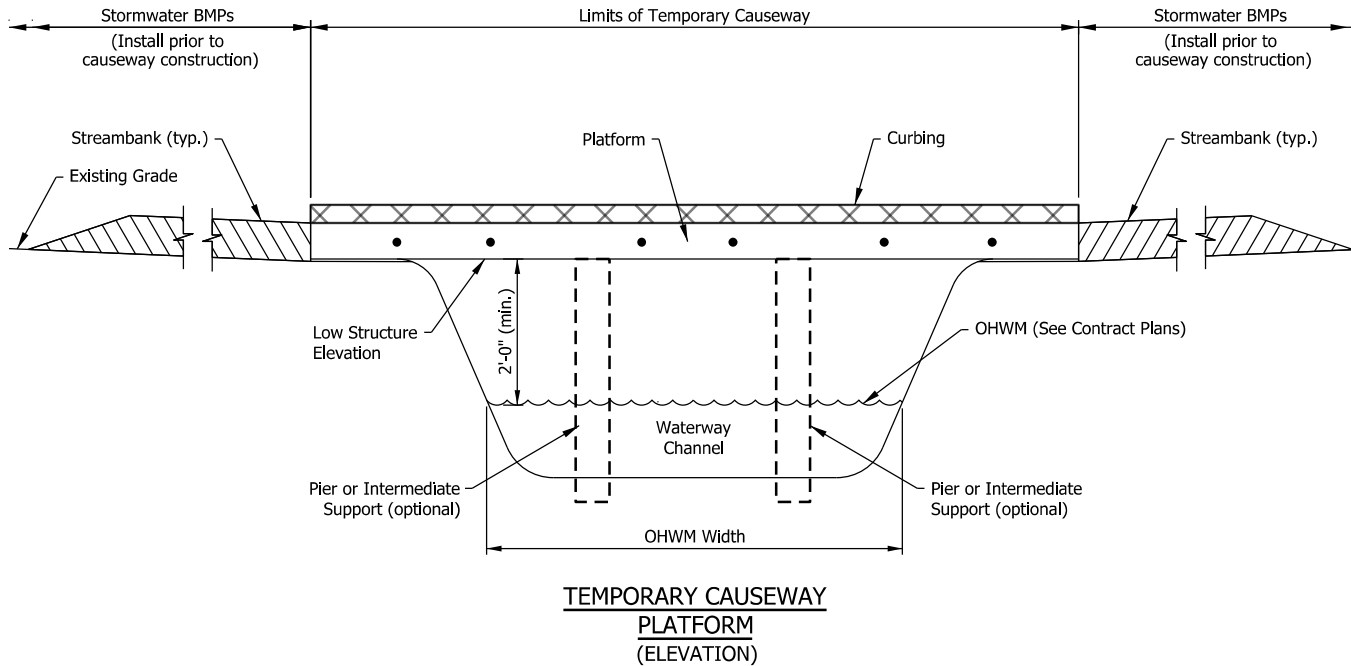
TEMPORARY CAUSEWAY
IN-STREAM FORD

**NOTES:**

1. For use in perennial or intermittent streams as classified in the waters report in the permits.
- ② The diameter of a single pipe or the sum of the diameters of multiple pipes shall be at least 1/2 of the OHWM width. For a partial causeway, any open stream width shall be included with the sum of the pipe diameters
- ③ Pipe diameters shall be as large as will fit into the existing stream channel without excavating. Minimum pipe diameter for any individual pipe shall be 14 in.
4. Multiple pipes may be installed to meet the design flow capacity.
5. The Contractor shall design and install the temporary causeway to minimize channel backwater during low flow. The pipe slope shall follow the slope of the existing stream.
6. Clearing and excavation of streambanks, streambed, and approach shall be minimized.
7. The length of any individual pipe shall not exceed 40 ft.
8. Pipe outlets shall be designed to avoid scour damage to the stream channel. Temporary energy dissipation may be required.
9. Stormwater BMPs shall be installed prior to construction of the temporary causeway.
10. Sufficient bedding aggregate shall be placed to support the pipe for the intended use. The pipe flow lines shall be kept as close to the existing channel flow line as possible.
11. All stone above the OHWM shall be placed on geotextiles.
12. The stream channel and stream banks shall be reestablished to the original grades unless otherwise noted on the plans.

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TEMPORARY CAUSEWAY
IN-STREAM CULVERTS

**NOTES:**

1. The low structure elevation shall be a minimum of 2 ft above the OHWM.
2. Construction shall minimize impacts to stream flows.
3. The width of piers and intermediate supports shall be less than 1/2 the OHWM width.
4. The platform shall be constructed and maintained to prevent soil tracked onto the platform from falling into the stream. Curbing shall be placed and securely fastened on each side of the platform.
5. Debris and soil shall be removed from the driving surface at least once daily. The removal process shall not allow debris and soil to enter the stream channel.
6. The temporary causeway shall not be constructed in an officially designated trout stream, on a wild, scenic, or recreational river, or an officially designated water trail route unless authorized by the permits.
7. The maximum driving surface width shall be 40 feet.
8. The platform ends, or abutments, shall be placed on stable banks.
9. All stone used above the OHWM shall be placed on geotextile.
10. No excavation shall occur within the stream unless authorized by the permits.
11. The Contractor shall remove all temporary materials, restore all disturbed areas to their original condition, and revegetate in accordance with 621, as shown as the final condition on the contract plans or as directed.

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TEMPORARY CAUSEWAY
PLATFORM