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Erosion Prevention and Sediment Control Handbook

3.3.3.1 High-Visibility Fencing



Source: TNWRRRC

Definition and Purpose

High-visibility fencing is temporary fencing that can be installed to safeguard protected areas. The fencing is intended to restrict clearing and prevent disturbances to sensitive areas and their buffers.

Appropriate Applications

High visibility fencing may be used to establish clearing limits, restrict construction traffic to designated entrances or roads, and protect areas where marking with survey tape or flagging may not provide adequate protection or visibility. Fencing may be used at the boundary of sensitive areas, their buffers, areas required to be left uncleared, and as necessary to control vehicle access to and on the site.

Limitations and Maintenance

Repair or replace the fencing if it has been damaged or if the visibility has been reduced.

Planning and Design Criteria

Ensure high-visibility plastic fencing is composed of a high-density polyethylene material, colored orange, four feet in height and has a tensile strength of 360 pounds per foot using the ASTM D4595 testing method. Posts for the fencing can be steel or wood and placed every 6 feet on center (maximum) or as needed to ensure rigidity. Fasten the fencing material to the post every six inches with a polyethylene tie. On long, continuous lengths of fencing,



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a tension wire or rope may be used as a top stringer to prevent sagging between posts. Fencing should not be wired or stapled to trees.

If appropriate, fabric silt fence can be used in accordance with silt fencing requirements (refer to Section 4.4.10) to act as a high visibility fence. The silt fence is to be 3 feet high and highly visible to meet the requirement of high visibility fencing.

Metal fencing is also permitted and is to be installed according to manufacturer specifications. Metal fences should be at least 3 feet high and highly visible to meet the requirements of high visibility fencing.

Example Application

No formal design or quantities are required for this measure and therefore are not presented here.

References

None.