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TO: Director, Preliminary Plan Review Bureau <b>SUPERSEDED BY EI 96-011</b> <b>EFFECTIVE 7/25/1996</b>	<div style="text-align: center;"> <h1>ENGINEERING INSTRUCTION</h1> <p>NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p> </div> SUBJECT: TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL  Subject Code: 7.30
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APPROVED: <i>R. R. Kelly</i> R. R. Kelly, Assistant Deputy Chief Engineer (Construction)	Date: <u>4/11/75</u>  Supersedes:

The Soil Mechanics Bureau has issued a report entitled "1974 Construction Experience with Items 900 or 209".

This Report has some very useful suggestions on providing temporary controls to protect soil erosion. The following recommendations are to be implemented on going construction projects to the greatest extent possible:

1. Projects that have the temporary soil erosion and water pollution control item in the Contract, should have a State person assigned to monitor the controls being used and have the responsibility of getting any needed controls installed. The Contractor should also have a person assigned to this item whom the State can contact when something is needed.
2. During construction, earth cut slopes should be seeded and mulched in stages at least every 40 feet, measured on the slope perpendicular to the roadway centerline or when the cuts and fills are to subgrade elevation. Fill slopes adjacent to waterways or private lands, requiring protection, should be seeded and mulched in stages at least every 40 feet measured on the slope perpendicular to the roadway centerline.
3. The overburden in rock cuts should be seeded and mulched with the permanent seeding item soon after the excavation of rock is started.
4. At the end of each construction season, if permanent controls cannot be completed, all slopes should be mulched under Item 209, Temporary Soil Erosion and Water Pollution Control, to minimize erosion.
5. Sediment pools shouldn't be constructed in active streams. The stream beds should only be disturbed as a last resort.
6. Check dams should be wide enough so that runoff will go over the low part of the dam before it goes around the ends. Keep the distance between check dams close enough to prevent the velocity of the runoff from becoming great enough to erode the ditch and to prevent check dams from washing out.
7. Where provisions were not made in design to line temporary channels to prevent

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erosion of the raw channel bottom and sides, and such protection is necessary, it should be added during construction.

8. Temporary crossings should be used on all active streams to keep construction equipment out of streams, thereby keeping stream disturbance to a minimum.
9. The location of check dams should conform with the Contractor's schedule of operation taking into consideration the progress in constructing cuts and fills.
10. On bridge rehabilitation projects, where the bridge crosses over water, provisions should be taken to collect paint and paint chips. Wood or burlap could be placed across the waterways surface, or a tarp could be hung beneath the bridge.

Any additional copies of the 1974 Report may be obtained directly from the Soil Mechanics Bureau.