



NOTES:

1. ALL SUBGRADES AND BASECOURSES TO BE COMPACTED TO 95% OPTIMUM DENSITY ACCORDING TO AASHTO T99.
2. STRUCTURAL BACKFILL AND SEAMLESS ASPHALT PATCH MUST MEET SPECIFICATIONS.
3. EXISTING ASPHALT MUST BE SAWCUT ONE FOOT (1') MINIMUM BEYOND TRENCH PRIOR TO RESTORATION.

DIRECTOR APPROVAL DEPARTMENT APPROVAL	Department of Public Works / Transportation PAVING DETAILS SEAMLESS ASPHALT PATCHBACK	DATE: 3/24/97 DETAIL NUMBER:
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SPECIFICATIONS FOR STRUCTURAL BACKFILL (FLOWABLE FILL)

Structure backfill (flowable fill) meeting the following requirements shall be used to backfill all newly constructed roads or as directed by the Director of Public Works, Town Engineer, or contract.

<u>INGREDIENTS</u>	<u>LBS/C.Y.</u>
Cement	50
Coarse Aggregate AASHTO #57-67	1700
Fine Aggregate AASHTO 6	1845
Water (39 Gallons)	325 (or as needed)

The amount of water shall be such that the structure backfill flows into place properly without excessive segregation. Approximately 39 gallons of water per cubic yard of structure backfill is normally needed.

The Contractor may use aggregate which does not meet the above specifications if the cement is increased to 100 pounds per cubic yard (lbs/C.Y.) and the aggregate conforms to the following gradation:

<u>SIEVE SIZE</u>	<u>%PASSING</u>
1 inch	100
No. 200	0-10

The Contractor may substitute 30lbs/C.Y. of cement and 30lbs/C.Y. of fly ash for 50lbs/C.Y. of cement or may substitute 60lbs/C.Y. of cement and 60 lbs/C.Y. of fly ash for 100 lbs/C.Y. of cement.

Compaction of structure backfill (flowable fill) will not be required

The maximum layer thickness for structure backfill (flowable fill) shall be three feet. Additional layers shall not be placed until the structure backfill has lost sufficient moisture to be walked on without indenting more than two inches. Any damage resulting from placing structure backfill (flowable fill) in layers that are too thick or from not allowing sufficient time between placement of layers shall be repaired at the Contractors expense.