

CHAPTER SEVEN

SPECIAL DETAILS

PURPOSE

7-1

Construction details that are not included in the Roadway Standard Drawings have to be detailed in the plans. The squad responsible for the Final Construction Plans prepares details for BENCHING EXCAVATION FOR EMBANKMENT, and FALSE CUTS.

Before special construction details are drawn for a project, the Project Engineer shall check with the Standards Engineer. He has copies of special drawings that have been used on previous projects. Usually, these details can be adapted to fit most projects.

The Standards Engineer will also be familiar with any general notes, special provisions, or references that need to be made to the Special Construction Details.

BENCHING EXCAVATION FOR EMBANKMENT

7-2

Benching excavation is to be shown on the plans in accordance with the Soils and Foundation Section. The locations to be benched shall be discussed on the preliminary field inspection. If the field inspection party is not agreeable to the locations shown on the plans, the Project Engineer shall discuss the locations with the Geotechnical Engineer. If there are any revisions to be made, they shall be made on the final plans and discussed on the final field inspection.

For additional information related to benching, see Section 235 of the Standard Specifications for Roads and Structures.

UNDERCUT EXCAVATION (Has been Deleted)

7-3

This section has been deleted

FALSE CUTS7-4

False cuts are designed to eliminate or reduce hazards and may sometimes be used for noise abatement. Utilization of false cut must be based on a project by project basis with strong consideration given to economics, aesthetics, safety and engineering judgment.

See 7-4, Figure F-1 & F-2 for examples of false cuts.

LOCATION

The use of false cuts should be discussed and locations determined at the Final Design Inspection.

FIGURE 1

7 - 4
F - 1

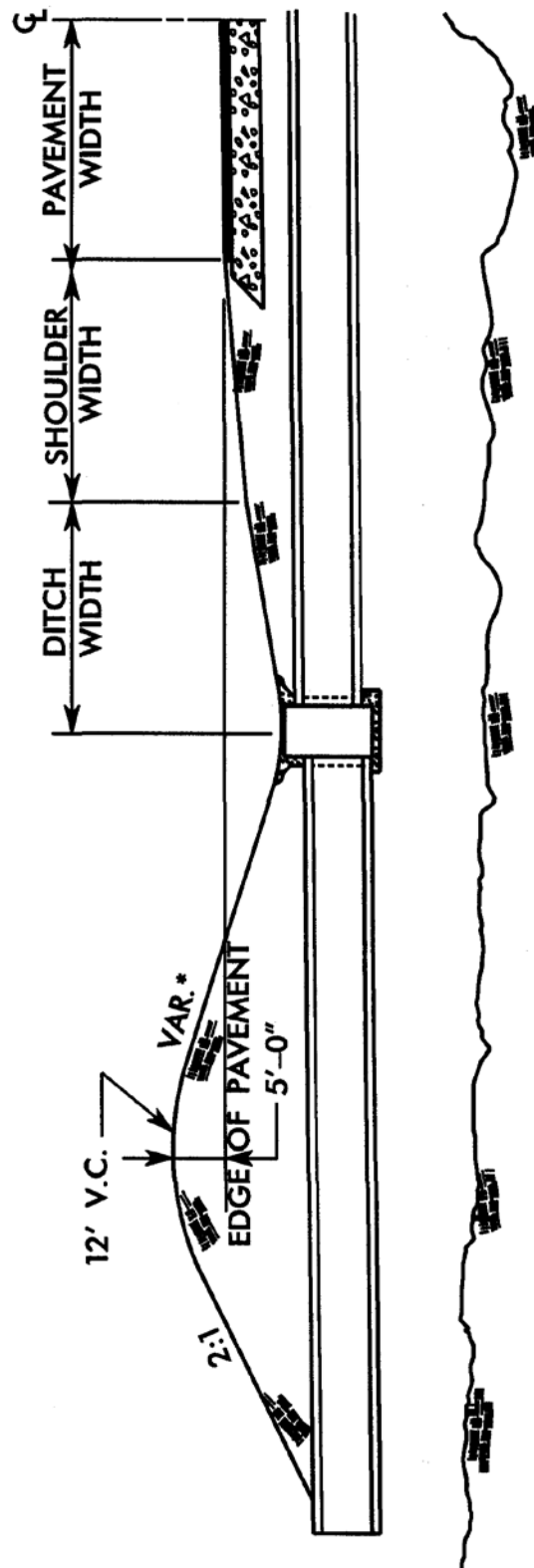


FIGURE ONE

FALSE CUT IN DRAW BETWEEN CUT SLOPES

FOR USE IN LOCATIONS WHERE IT CAN BE CONSTRUCTED WITHOUT IT'S COST EXCEEDING APPROXIMATELY TWO TIMES THE COST OF PROVIDING GUARDRAIL

***BLEND SLOPE TO MATCH ADJACENT CUT SLOPE
NO FLATTER THAN A 3:1**

FIGURE 2

7 - 4
F - 2

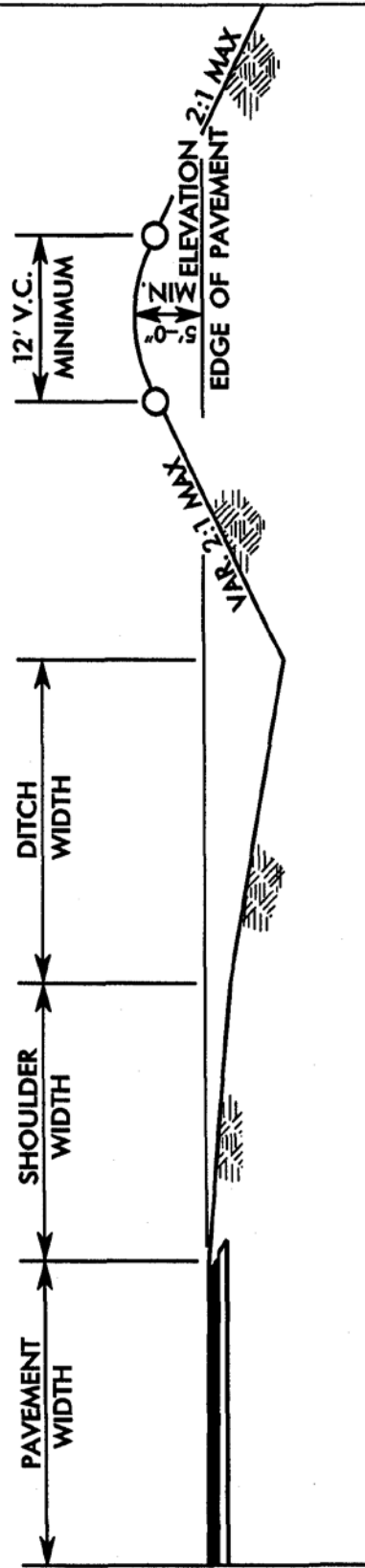


FIGURE TWO
WASTE PROJECTS

FALSE CUT TO BE USED ON WASTE PROJECTS
WHERE FILL HEIGHT EXCEEDS 30'