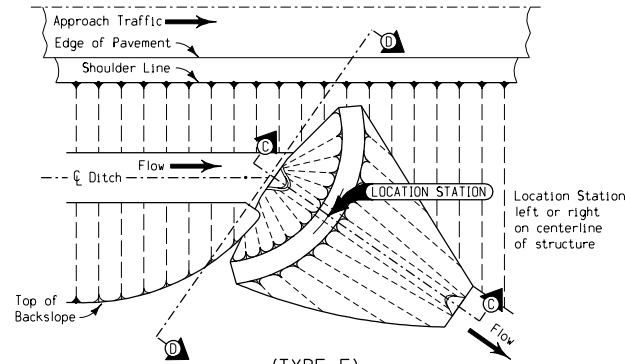
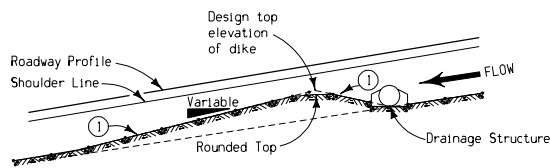


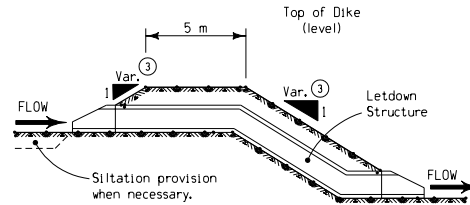
(TYPE M AND G)
TYPICAL PLAN FOR DITCH BLOCK (DIKE)



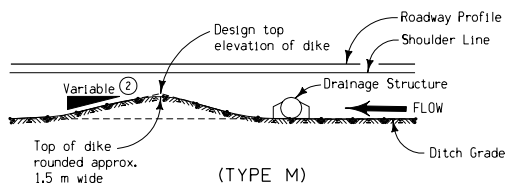
(TYPE F)
TYPICAL PLAN FOR DIKE AT LETDOWN STRUCTURES



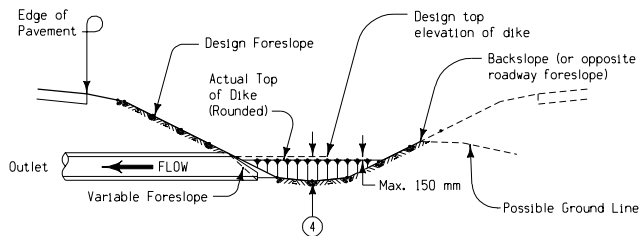
(TYPE G)
TYPICAL SECTION A-A



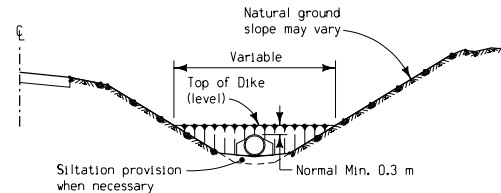
(TYPE F)
TYPICAL SECTION C-C



(TYPE M)
TYPICAL SECTION A-A



(TYPE M AND G)
TYPICAL SECTION B-B



(TYPE F)
TYPICAL SECTION D-D

GENERAL NOTES:

Dikes of the types indicated hereon shall be constructed essentially as shown. Some variation will be allowed to adapt to local conditions when necessary.

Type F dike for letdown structures may vary in length and plan in different locations. Ends of dikes shall ordinarily tie into natural ground at the elevation of top of dike.

Refer to detail road plans and tabulation of drainage structures for exact information on location, top elevation, shape, or any variation from this plan for dikes.

Construction of dikes shall be coordinated with project provisions for erosion control as directed by the Engineer.

Necessary material for construction of dikes is included in "Estimate of Quantities" for excavation.

Price bid for "Excavation of the class specified" shall be full compensation for construction of dikes as indicated hereon in accordance with current Standard Supplemental Specifications.

DESCRIPTION OF DIKES

- Type M – Normal ditch block for medians or roadway side ditches.
- Type G – Ditch block using established ditch grades. For median or side ditches.
- Type F – Dike for letdowns or other structures away from roadway area. Refer to project plans for details.

- ① Design Ditch Grade to accomplish purpose of Ditch Block. Maximum slope approximately 10:1 relative to roadway grade.
- ② Dike slope shall not be greater than 10:1.
- ③ Any portion of dike constructed within 15 meters of edge of roadway with approaching traffic shall be 8:1 slope relative to approach roadway. Any portion of dike beyond 15 meters from edge of roadway may vary from 8:1 to a of 2.5:1 at 30 meters from roadway.
- ④ Shall be 450 mm unless specified otherwise

All dimensions given in millimeters unless noted.

M METRIC VERSION	Iowa Department of Transportation Project Development Division	
	STANDARD ROAD PLAN	RL-4
	<small>REVISION: Change section B-8, change note D to note 4 and add the word to supplemental to General Notes.</small>	
	<small>APPROVED BY</small> <i>[Signature]</i> DESIGN METHODS ENGINEER	<small>05-24-99</small> 09-21-99
DITCH BLOCKS AND DIKES		