TYPICAL PLAN (CAUSEWAY OR EQUIPMENT PAD) ⑤

Align pipe(s) with stream flow

FLOW

FLOW
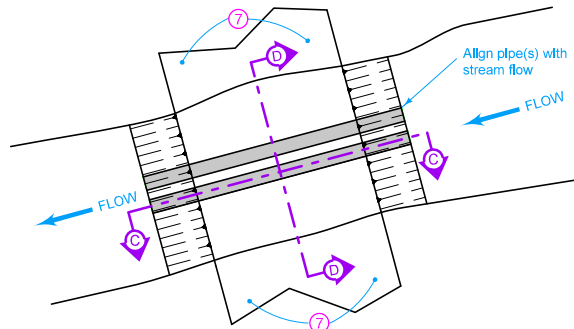
TYPICAL PLAN (STREAM CROSSING) ⑥

Min. cover of 1' or ½ the diameter of the pipe, whichever is greater.

②④ ⑦

①

Possible access to temporary structure

③④

Min. 1' between pipes ⑤

SECTION B-B (CAUSEWAY) ⑤
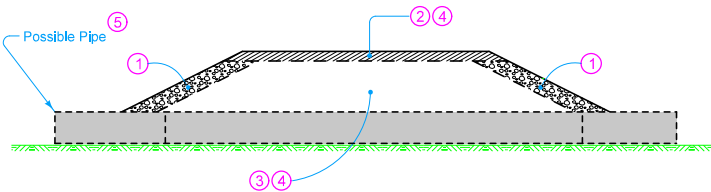
Min. cover of 1' or ½ the diameter of the pipe, whichever is greater.

⑦ ②④ ⑦

③④

Min. 1' between pipes ⑥
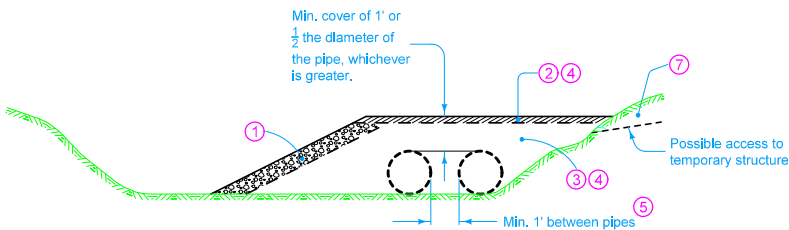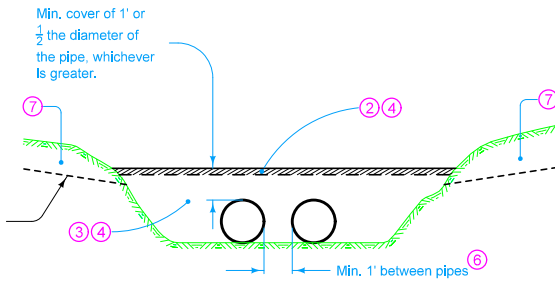
SECTION D-D (STREAM CROSSING) ⑥

Possible Pipe ⑤

②④

①   ①

③④

SECTION A-A ⑤

12' Minimum
24' Maximum

③④

②④

①   ①
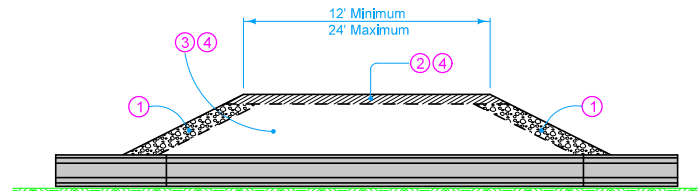
SECTION C-C ⑥

① Minimum 1 foot of Class D revetment, Class E revetment, or broken concrete meeting the requirements of Section 4130 of the Standard Specifications.

② Possible choke layer for construction traffic. Use any combination of erosion stone, granular backfill, special backfill (except with reclaimed HMA), granular surfacing material, or granular soils of AASHTO classification A-1 or A-2 with less than 5% fines passing the #200 sieve.

③ Use clean material with less than 5% fines passing the #200 sieve. Acceptable materials include revetment and granular materials.

④ When dredging is allowed by a permit, use dredged material containing 10% or less passing the #200 sieve. Prior to beginning construction according to EW-401, install erosion control measures according to EC-202. Leave these measures in place and maintain until temporary EW-401 materials have been completely removed. Installation, maintenance, and removal of these erosion control measures is incidental and will not be paid for separately.

⑤ Pipe required if structure spans more than half the distance between banks. Contractor determines size and number of pipe(s) unless specified otherwise in the contract documents.

⑥ Pipe required. Contractor determines size and number of pipe(s) unless specified otherwise in the contract documents.

⑦ When material needs to be cut from the bank to provide for access to construct and use a temporary stream structure, move this material to an upland location.

IOWA DOT	REVISION	
	2	10-20-15
STANDARD ROAD PLAN	**EW-401**	
	SHEET 1 of 1	

REVISIONS: Corrected typo in note 4. Updated the DOT logo.

Brian Smith
APPROVED BY DESIGN METHODS ENGINEER

**TEMPORARY STREAM CROSSING,
CAUSEWAY, OR EQUIPMENT PAD**