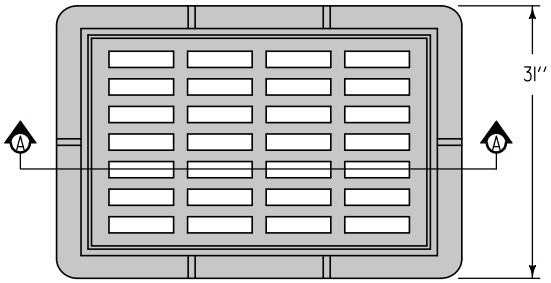
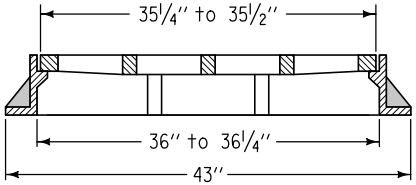
TYPE Q ①

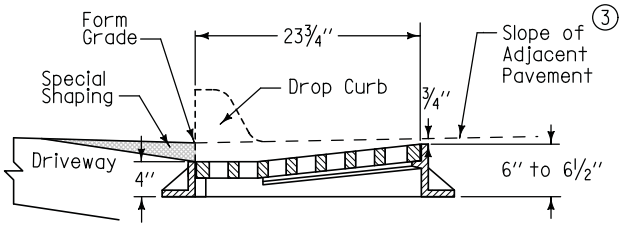
Driveway Grate
(Minimum open area 370 in^2)



PLAN



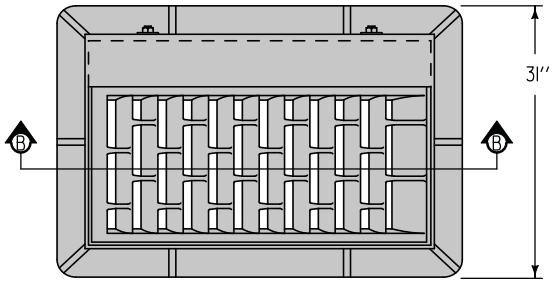
SECTION A-A



TYPICAL SECTION

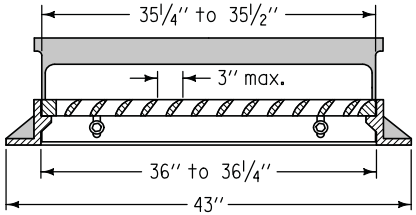
TYPE R ②

Curb Inlet Grate
(Minimum open area 180 in^2)

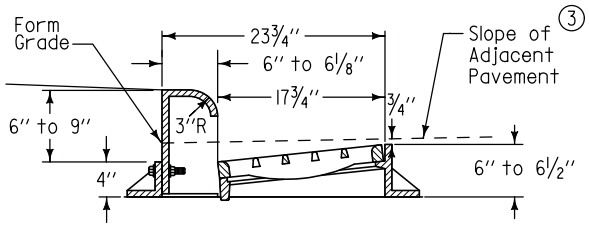


PLAN

Flow



SECTION B-B



TYPICAL SECTION

① For use at curb drops for driveways. Use only when specified in the contract documents.

② Provide bicycle-safe vane-style grate with offset longitudinal ribs between vanes. At low points, grates with vanes facing both directions of flow are allowed.

③ For details of boxout pavement, refer to SW-514.

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FIGURE 6010.603	STANDARD ROAD PLAN	SW-603 SHEET 1 of 2

REVISIONS: Added Type S grate to sheet 2. Modified notes 2 and 4. Added shading.

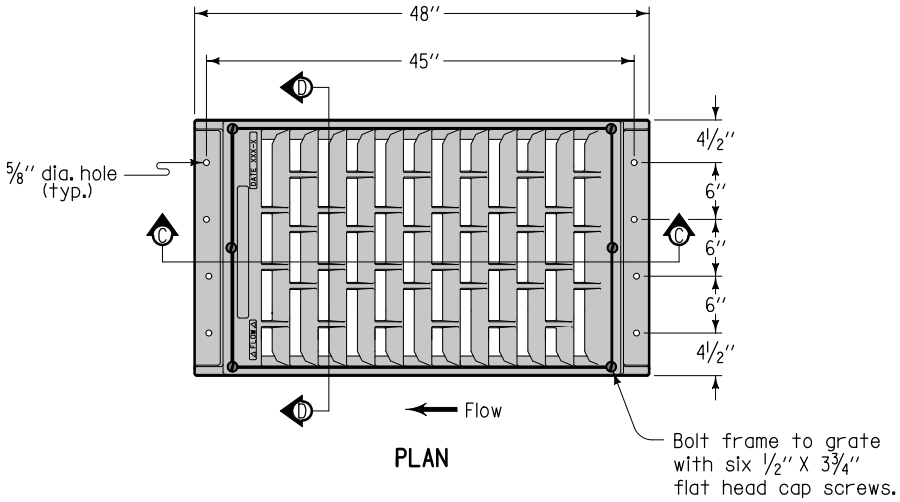
SUDAS DIRECTOR — Deanna Maifeld, DESIGN METHODS ENGINEER

CASTINGS FOR GRATE INTAKES

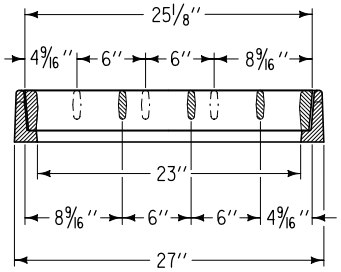
FIGURE 6010.603 SHEET 1 OF 2

TYPE S ②④

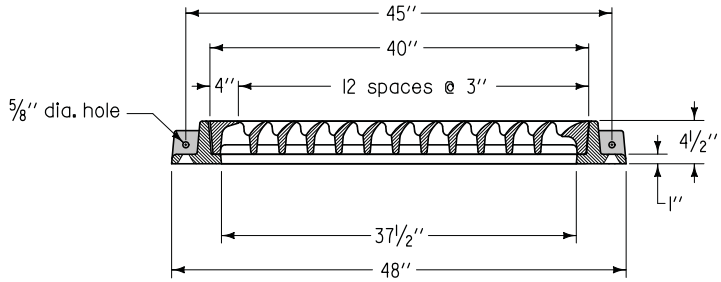
Barrier Intake Grate
(Minimum open area 300 in^2)



PLAN



SECTION D-D



SECTION C-C

② Provide bicycle-safe vane-style grate with offset longitudinal ribs between vanes. At low points, grates with vanes facing both directions of flow are allowed.

④ Use ductile iron frame castings meeting the requirements of ASTM A 536.

Frame minimum weight = 220 lbs.
Grate minimum weight = 340 lbs.

		REVISION	
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FIGURE 6010.603	STANDARD ROAD PLAN	SW-603	
		SHEET 2 of 2	

REVISIONS: Added Type S grate to sheet 2. Modified notes 2 and 4. Added shading.

SUDAS DIRECTOR — DESIGN METHODS ENGINEER

CASTINGS FOR GRATE INTAKES

FIGURE 6010.603 SHEET 2 OF 2