



RIP-RAP QUANTITIES (C.Y.)

PIPE DIA.	RIP-RAP	PIPE DIA.	RIP-RAP	PIPE DIA.	RIP-RAP
12"	6	24"	14	42"	35
15"	8	27"	17	48"	43
18"	9	30"	21	54"	50
21"	12	36"	28	60"	58

HEAVY DUTY TRASH GUARD REQUIRED ON:

- UPSTREAM APRONS
- DOWNSTREAM APRONS 27" OR LARGER IN MAINTAINED RESIDENTIAL AREAS
- NO TRASH GUARD ON DITCH CROSSINGS UNLESS OTHERWISE DIRECTED

RIP-RAP FOR OUTLET TO
WET DITCH OR BASIN

Plate No. SD-3



2019 STANDARD DETAIL PLATE

City of Blaine - Engineering Department

City of Blaine

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