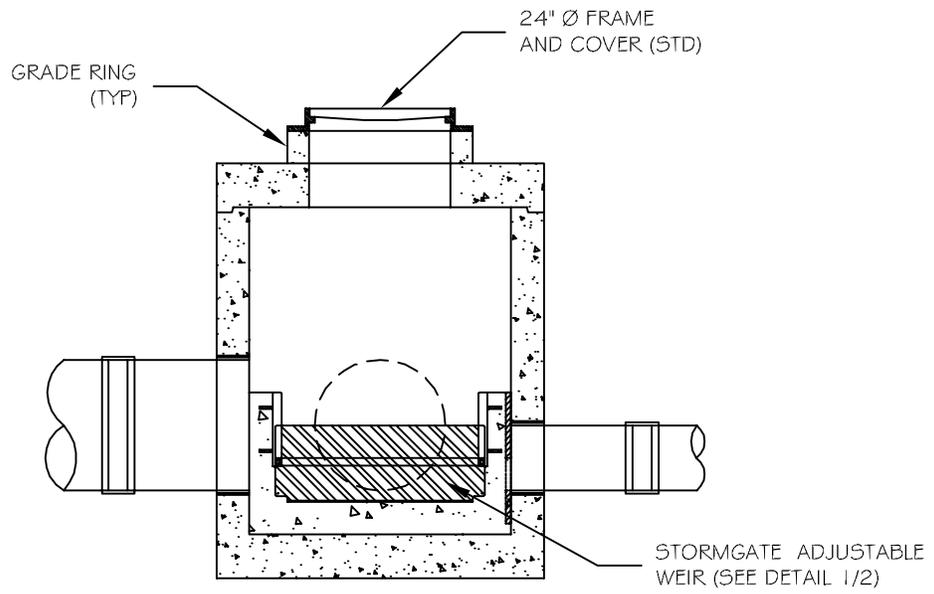


STORMGATE VAULT - PLAN VIEW 1
1



STORMGATE VAULT - SECTION VIEW A
1

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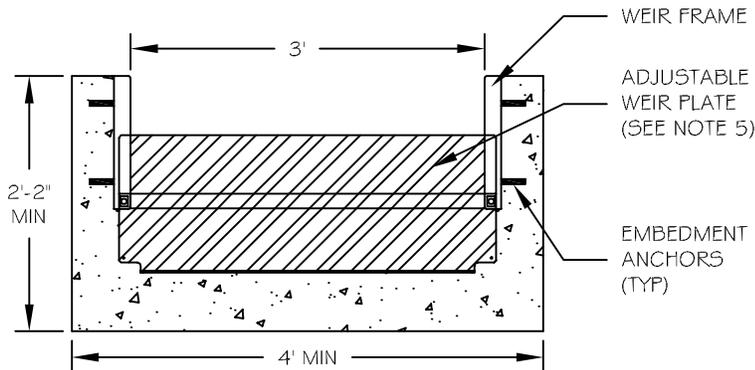
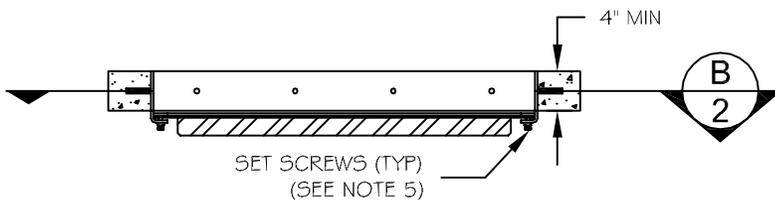
**STORMGATE VAULT HIGH FLOW BYPASS
PLAN AND SECTION VIEWS
STANDARD DETAIL**

DRAWING
1
1/2

DATE: 09/29/05	SCALE: NONE	FILE NAME: SG-VT-DTL	DRAWN: MJW	CHECKED: ARG
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GENERAL NOTES

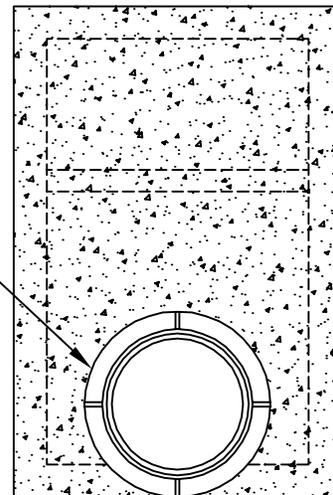
- 1) STORMGATE BY CONTECH STORMWATER SOLUTIONS; PORTLAND, OR (800) 548-4667; SCARBOROUGH, ME (877) 907-8676; ELKRIDGE, MD (866) 740-3318.
- 2) PRECAST VAULT TO BE CONSTRUCTED IN ACCORDANCE WITH ASTM C857 AND C858. DETAIL DRAWING REFLECTS DESIGN INTENT ONLY. LENGTH AND WIDTH OF VAULT WILL VARY DEPENDING ON PIPE DIAMETER AND ORIENTATION. PLEASE CONTACT CONTECH STORMWATER SOLUTIONS TO DETERMINE VAULT SIZING AND AVAILABILITY. ACTUAL DIMENSIONS AND CONFIGURATION WILL BE SHOWN ON PRODUCTION SHOP DRAWING.
- 3) STRUCTURE AND ACCESS COVERS TO MEET AASHTO H-20 LOAD RATING.
- 4) INLET AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY CONTRACTOR. PRECAST STORMGATE VAULT EQUIPPED WITH EITHER CORED OPENINGS OR KNOCKOUTS AT INLET AND OUTLET LOCATIONS.
- 5) CONTRACTOR TO ADJUST WEIR TO DESIGN ELEVATION SPECIFIED IN DATA TABLE BELOW. DO NOT EXCEED 5.0 FT-LBS TORQUE WHEN TIGHTENING SCREWS ON WEIR FRAME. SEAL WEIR TO FRAME WITH RTV SILICONE SEALANT AFTER FINAL ADJUSTMENT.



STORMGATE VAULT DATA

STRUCTURE ID		XXX	
WATER QUALITY FLOW RATE (cfs)		X.XX	
PEAK FLOW RATE, Q_{peak} (cfs)		X.XX	
VAULT LENGTH		XX'	
VAULT WIDTH		XX'	
RIM ELEVATION		XXX.XX'	
PIPE DATA:			
PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE #1	XXX.XX'	XXX	XX"
INLET PIPE #2	XXX.XX'	XXX	XX"
WATER QUALITY FLOW OUTLET PIPE	XXX.XX'	XXX	XX"
PEAK FLOW OUTLET PIPE	XXX.XX'	XXX	XX"
ORIFICE TYPE (PIPE, CAP, PLATE)		XXXXX	
ORIFICE DIAMETER (in)		XX"	
WEIR CREST ELEVATION		XXX.XX'	
WEIR WALL ELEVATION		XXX.XX'	
HEAD OVER WEIR, H (ft)		X.XX'	
WSE at Q_{peak}		XXX.XX'	
FLOOR ELEVATION		XXX.XX'	
NOTES/SPECIAL REQUIREMENTS:			

24" Ø FRAME AND COVER (STD)



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STORMGATE VAULT HIGH FLOW BYPASS
TOP VIEW, WEIR DETAIL, DATA AND NOTES
STANDARD DETAIL

DRAWING
2
2/2

DATE: 09/29/05

SCALE: NONE

FILE NAME: SG-VT-DTL

DRAWN: MJW

CHECKED: ARG