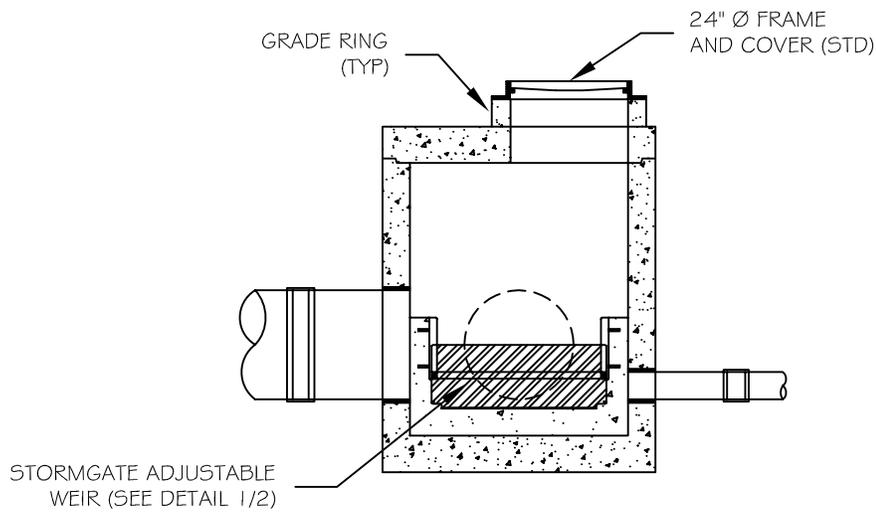


STORMGATE MANHOLE - PLAN VIEW 1
1



STORMGATE MANHOLE - SECTION VIEW A
1

© 2006 CONTECH Stormwater Solutions



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

| |
|---------|
| DRAWING |
| 1 |
| 1/2 |

DATE: 04/04/06

SCALE: NONE

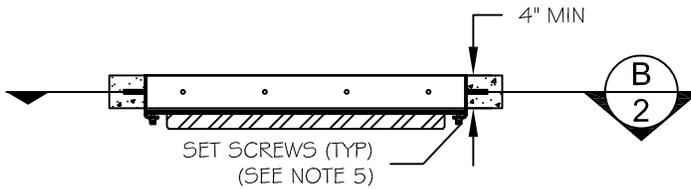
FILE NAME: SG-MH-DTL

DRAWN: MJW

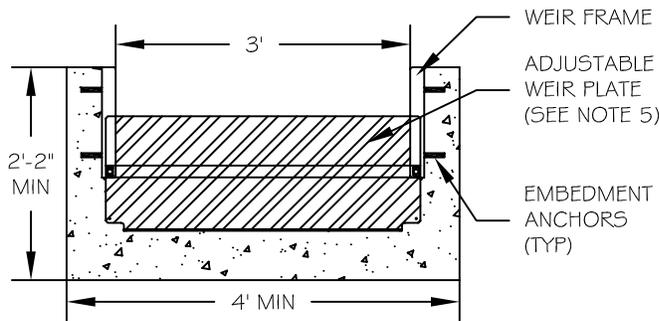
CHECKED: ARG

GENERAL NOTES

- 1) STORMGATE BY CONTECH STORMWATER SOLUTIONS; PORTLAND, OR (800) 548-4667; SCARBOROUGH, ME (877) 907-8676; LINTHICUM, MD (866) 740-3318.
- 2) PRECAST MANHOLE TO BE CONSTRUCTED IN ACCORDANCE WITH ASTM C478. DETAIL DRAWING REFLECTS DESIGN INTENT ONLY. ACTUAL DIMENSIONS AND CONFIGURATION OF STRUCTURE 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 MANHOLE 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.



WEIR DETAIL - PLAN VIEW 1
2



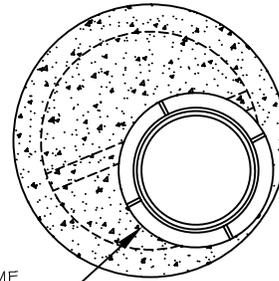
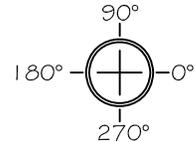
WEIR DETAIL - SECTION VIEW B
2

STORMGATE MANHOLE DATA

| STRUCTURE ID | | XXX | | |
|----------------------------------|---------|-------------|----------|----------|
| WATER QUALITY FLOW RATE (cfs) | | X.XX | | |
| PEAK FLOW RATE, Q_{peak} (cfs) | | X.XX | | |
| MANHOLE DIAMETER (48", 60", 72") | | XX" | | |
| RIM ELEVATION | | XXX.XX' | | |
| PIPE DATA: | I.E. | ORIENTATION | MATERIAL | DIAMETER |
| INLET PIPE | XXX.XX' | XX° | XXX | XX" |
| WATER QUALITY FLOW OUTLET PIPE | XXX.XX' | XX° | XXX | XX" |
| PEAK FLOW OUTLET PIPE | XXX.XX' | 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' | | |
| WEIR ORIENTATION | | XX° | | |
| FLOOR ELEVATION | | XXX.XX' | | |

NOTES/SPECIAL REQUIREMENTS:

PIPE ORIENTATION KEY:



24" Ø FRAME AND COVER (STD)

STORMGATE MANHOLE - TOP VIEW 2
2

© 2006 CONTECH Stormwater Solutions



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

DRAWING
2
2/2

DATE: 04/04/06

SCALE: NONE

FILE NAME: SG-MH-DTL

DRAWN: MJW

CHECKED: ARG