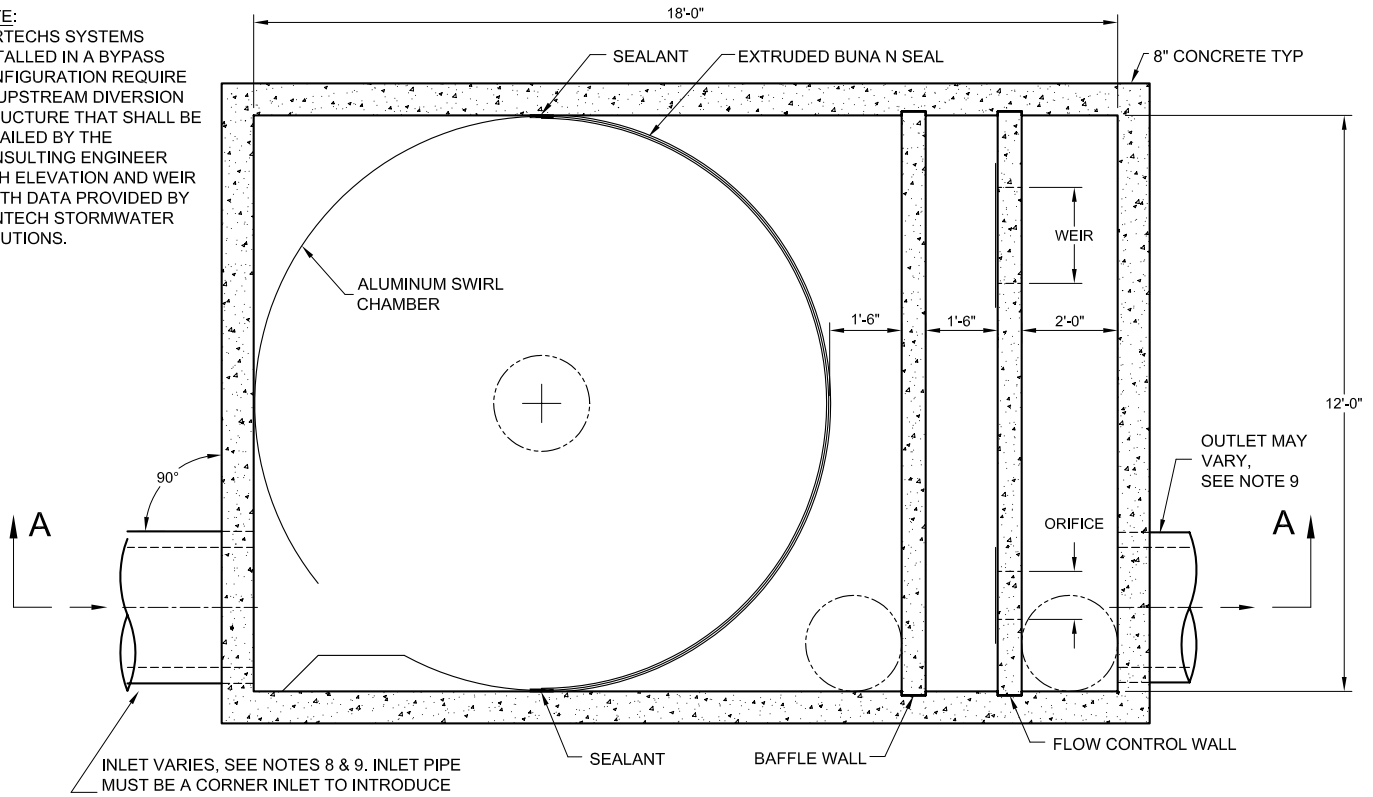
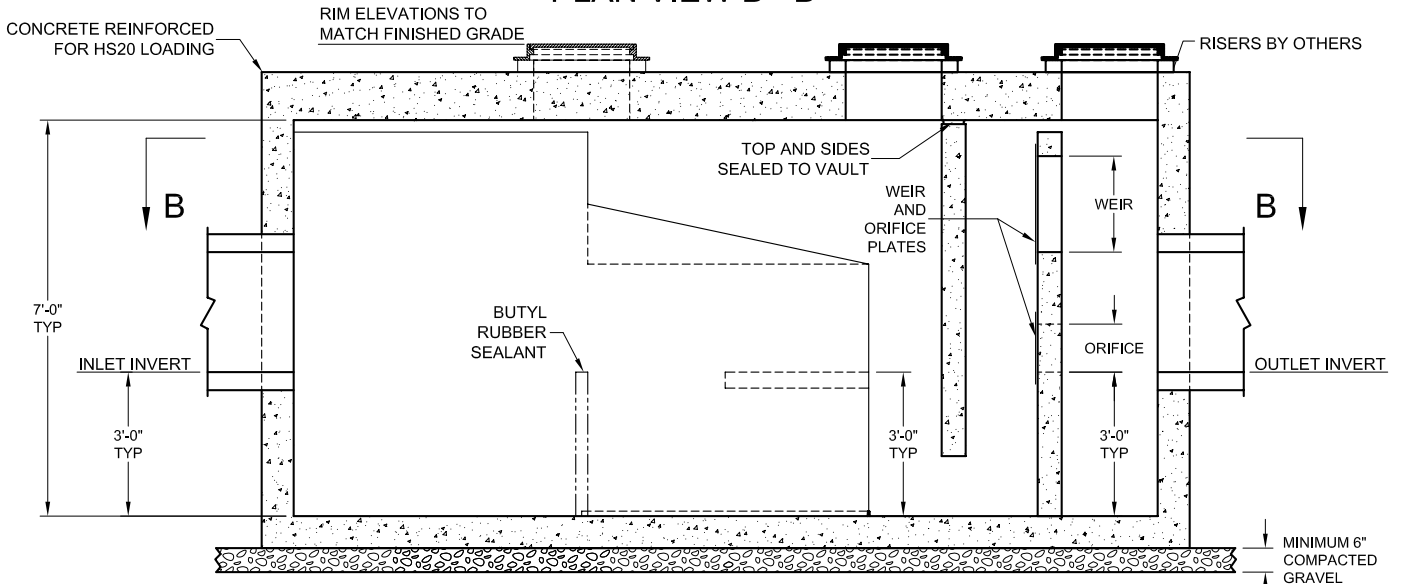


NOTE:
 VORTECHS SYSTEMS
 INSTALLED IN A BYPASS
 CONFIGURATION REQUIRE
 AN UPSTREAM DIVERSION
 STRUCTURE THAT SHALL BE
 DETAILED BY THE
 CONSULTING ENGINEER
 WITH ELEVATION AND WEIR
 WIDTH DATA PROVIDED BY
 CONTECH STORMWATER
 SOLUTIONS.



PLAN VIEW B - B



SECTION A - A

NOTES:

1. STORMWATER TREATMENT SYSTEM (SWTS) SHALL HAVE:
 PEAK TREATMENT CAPACITY: 25 CFS
 SEDIMENT STORAGE: 7.1 CU YD
 SEDIMENT CHAMBER DIA: 12' MIN
2. SWTS SHALL BE CONTAINED IN ONE RECTANGULAR STRUCTURE
3. SWTS REMOVAL EFFICIENCY SHALL BE DOCUMENTED BASED ON PARTICLE SIZE
4. SWTS SHALL RETAIN FLOATABLES AND TRAPPED SEDIMENT UP TO AND INCLUDING PEAK TREATMENT CAPACITY
5. SWTS INVERTS IN AND OUT ARE TYPICALLY AT THE SAME ELEVATION
6. SWTS SHALL NOT BE COMPROMISED BY EFFECTS OF DOWNSTREAM TAILWATER
7. SWTS SHALL HAVE NO INTERNAL COMPONENTS THAT OBSTRUCT MAINTENANCE ACCESS
8. INLET PIPE MUST BE PERPENDICULAR TO THE STRUCTURE
9. PIPE ORIENTATION MAY VARY; SEE SITE PLAN FOR SIZE AND LOCATION
10. PURCHASER SHALL NOT BE RESPONSIBLE FOR ASSEMBLY OF UNIT
11. MANHOLE FRAMES AND PERFORATED COVERS SUPPLIED WITH SYSTEM, NOT INSTALLED
12. PURCHASER TO PREPARE EXCAVATION AND PROVIDE CRANE FOR OFF-LOADING AND SETTING AT TIME OF DELIVERY
13. VORTECHS SYSTEMS BY CONTECH STORMWATER SOLUTIONS; PORTLAND, OR (800)548-4667; SCARBOROUGH, ME (877) 907-8676; ELK RIDGE, MD (866) 740-3318.

PROPRIETARY INFORMATION - NOT TO BE USED FOR CONSTRUCTION PURPOSES

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STANDARD DETAIL
 STORMWATER TREATMENT SYSTEM
 VORTECHS® MODEL 16000

U.S. PATENT No. 5,759,415

DATE: 4/5/06	SCALE: NONE	FILE NAME: STD16K	DRAWN: GMC	CHECKED: NDG
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