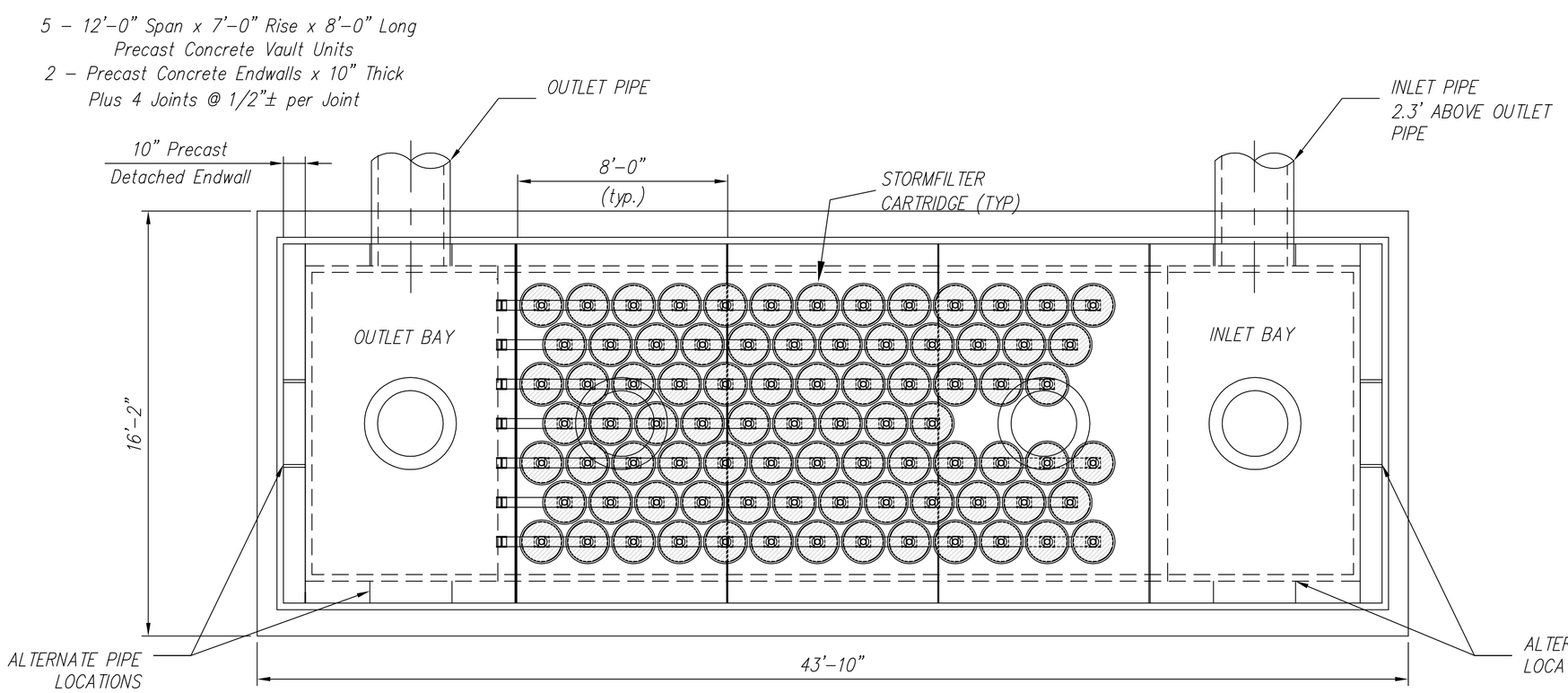
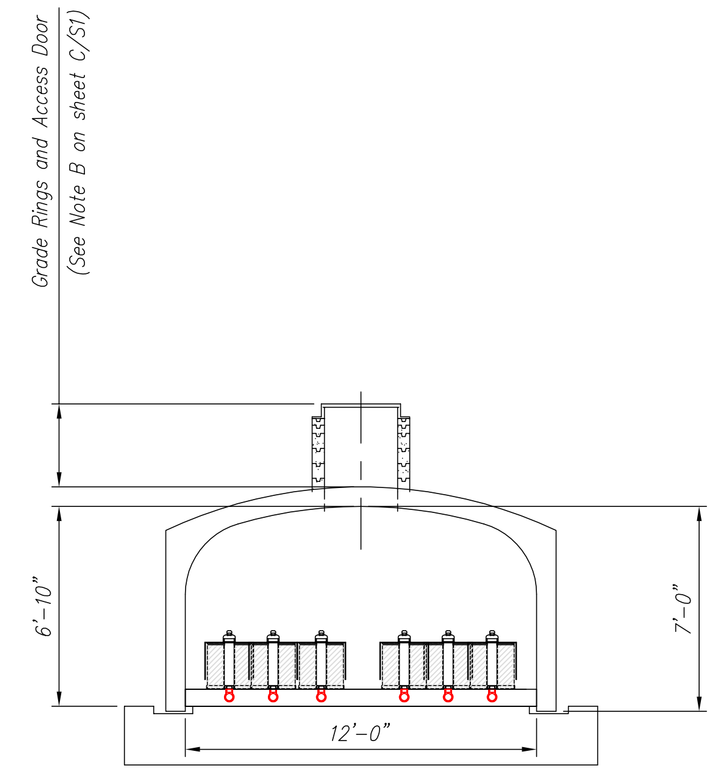


84 ZPG CARTRIDGES
7.5 GPM

NORTH-END RETAILER

0 2' 4' 8'

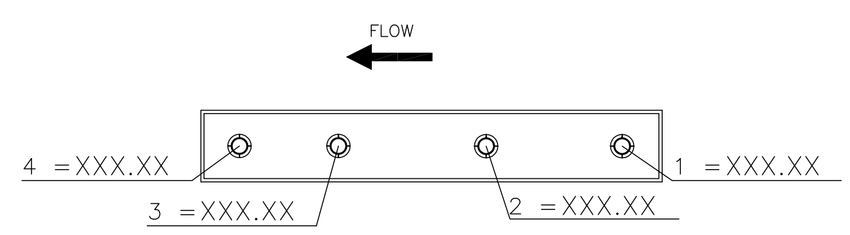


CON/SPAN STORMFILTER™

TOTAL SITE AREA (AC)	13.95
IMPERVIOUS AREA (AC)	13.95
DESIGN WATER QUALITY FLOW (CFS)	N/A
# OF CARTRIDGES REQUIRED	84
MEDIA TYPE	ZPG

(In-Out)=2.3' Min.	I.E.	MATERIAL	DIAMETER
INLET PIPE #1	XXX.XX	XXX	XXX
INLET PIPE #2			
OUTLET PIPE	XXX.XX	XXX	XXX

RIM ELEVATION(S):



CON/SPAN DETAILS:

SPAN (FT)	12
RISE (FT)	7??
SECTION LENGTH (FT)	8
# CON/SPAN SECTIONS	5

NOTES/SPECIAL REQUIREMENTS:

GENERAL NOTES:

1. This vault has been designed for general site conditions. The project engineer shall be responsible for the structure's suitability to the existing site conditions and for the hydraulic evaluation -- including scour and confirmation of soil conditions.
2. Prior to construction, contractor must verify all elevations shown through the engineer.
3. Only CONTECH Stormwater Solutions, the CON/SPAN® approved precaster in California may provide the structure designed in accordance with these plans.

DESIGN DATA

Design Loading:
Vault Units: HS20-44
Design Fill Height: Varies from 2'-0" min to 10'-0" max from top of crown to top of pavement.
Design Method: Load factor per AASHTO Specification
Assumed Allowable Soil Bearing: 3000 PSF *

MATERIALS

Precast units shall be constructed and installed in accordance with CON/SPAN® Specifications. Concrete for Footings shall have a minimum compressive strength of 4000 psi. Reinforcing steel for footings shall conform to ASTM 615, A616 or A617-Grade 60.

GENERAL NOTES

A. All pipe/structure connections to be fit with water-tight resilient pipe connector or grout. Exact blockout size per manufacturer specifications

B. Dimensions and Elevations to be field adjusted to match finished grade

CONCEPTUAL:
NOT FOR CONSTRUCTION

* The information shown on this drawing is preliminary and should be used for budget estimating purposes only. It was prepared using a number of assumptions that need to be verified before a final design can be completed. A change in any of these assumptions could significantly change the size and configuration of the structure including the foundations and therefore significantly change the construction cost of the structure. CON/SPAN Bridge Systems shall not be held liable for changes in the construction cost due to changes in the assumptions on which this drawing was based.

TOWN ENGINEER DATE
TOWN PLANNER DATE

ANDERSON & ASSOCIATES, INC.
Professional Design Services
www.andassoc.com
Virginia - North Carolina - Tennessee
100 Ardmore St.
Blacksburg, Va. 24060
540-552-5592

DATE : 04 MAY 07
DESIGNED: CONTECH
DRAWN : CONTECH
CHECKED : ----
QA / QC : MTC

REV. #	COMMENTS	DATE
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FIRST & MAIN
PHASE 1
BLACKSBURG, VIRGINIA

GRADING & DRAINAGE DETAILS 3

DOCUMENT NO. **22559 – 110**
SHEET **C2.20**

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