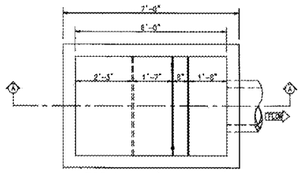
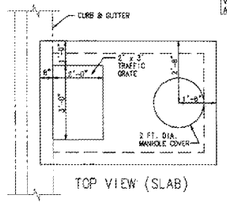
Manufactured by: Practical Best Management - 1-800-748-6945 www.crystalstream.com

1. ALL PIPES SHALL BE CONSTRUCTED TO BE FLUSH WITH THE INSIDE WALLS.
2. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL PIPES AND STRUCTURES BETWEEN AND AROUND THE WATER QUALITY VAULTS.
3. ALL VAULT LIFTING CONNECTIONS SHALL BE LOCATED ON THE OUTSIDE OF THE VAULT WALLS.
4. CONCRETE VAULT PRE-CASTER IS RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE CONCRETE VAULTS. WALL AND SLAB THICKNESSES SHALL BE ALTERED ACCORDINGLY.

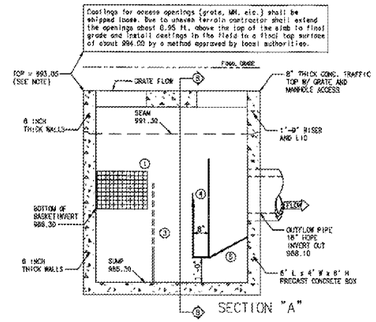


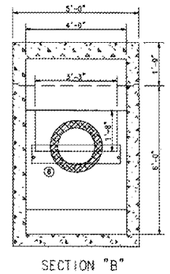
TOP VIEW (INTERNAL)



TOP VIEW (SLAB)

Coatings for access openings (grate, MH, etc.) shall be whipped loose. Due to uneven terrain contractor shall extend the openings about 0.95 ft. above the top of the slab to final grade and install coatings in the field to a final top surface at about 994.00 by a method approved by local authorities.





SECTION "B"

LEGEND

1. EXPANDED ALUMINUM BASKET W/ 1/4" MESH LINING, 1'-6" H x 2'-6" L x 4'-0" W, uphill 3'-6" FROM SUMP
3. 2ND INTERNAL BAFFLE W/ 1" HOLES DRILLED AT 1 1/4" O.C., 4'-0" H.
4. SPILL PROTECTION RESERVOIR 4'-0" H, WITH A 1'-8" FRONT CUT.
5. 3/4"COCONUT FIBER FILTER IN ALUMINUM FRAME 1'-6" LONG.
6. 1/4"ALUMINUM PLATE, 0" H., 3'-6" WIDE.

SPECIFICATIONS
1. TOTAL FLOW CAPACITY SHALL BE 6 CFS
2. TREATED QUALITY FLOW OF 1.02 CFS MUST BE THROUGH MEDIA AT HYDRAULIC LOADING RATE OF 2G GPM/SF OR LESS.
3. SPILL PROTECTION CAPACITY SHALL BE 486 GALLONS BEFORE OVERFLOW.
4. ALL ANNUAL MAINTENANCE INSPECTIONS MUST BE APPROVED BY THE ENGINEER AND THE REVIEWING AUTHORITY.

Protected by U.S. Patent No's: 6,797,181; 6,858,150; 6,939,481; 6,851,897; 8,994,782; 7,011,745, 7,037,438

CrystalStream Technologies

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Date: 1/12/2018 p:\d\e\m-CSR03

JOB NAME: [illegible]-CSU3

Design No. [illegible]

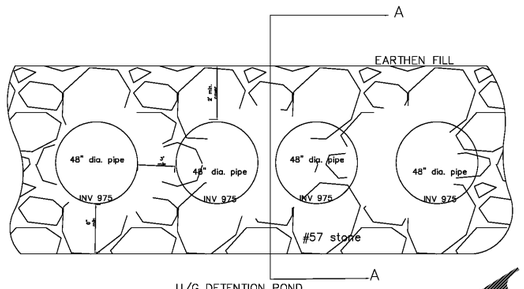
DESIGN FIRM: [illegible] Engineering Scientists

CRYSTALSTREAM "CRYSTALCLEAN" WATER QUALITY VAULT
MODEL "646 "

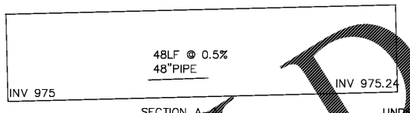
JURISDICTION: DeKalb County, GA

CRYSTAL STREAM WATER QUALITY SUNIT (CSU)

FIRE STATION NUMBER 9

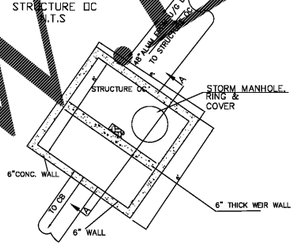


U/G DETENTION POND

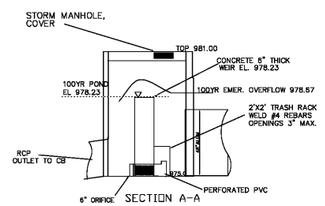


SECTION A-A
UNDERGROUND DETENTION

PLAN VIEW
STORM WATER CONTROL STRUCTURE
STRUCTURE DC
N.T.S



6'X6' BOX FOR OCS



SECTION A-A

OUTLET CONTROL DETAIL
N.T.S

ALL ALUM TO BE 3"X1" CORRUGATION 16G, TYPE 2

OUTLET
CONTROL STRUCTURE
(OCS)

Rev	Date	Description

NEW FIRE STATION #9

4171 OLD DIXIE HIGHWAY
ATLANTA, GEORGIA 30354

CLAYTON COUNTY
FIRE DEPARTMENT

GEORGIA REGISTERED MAURICIO M. URDANETA

ARCHITECTURE
INTERIOR DESIGN
LAND PLANNING

160 CLAIREMONT AVE., STE 120
DECATUR, GEORGIA
TEL: 470.355.8514

WWW.BOYEARCHITECTURE.COM

NOT RELEASED FOR CONSTRUCTION

DATE: 02-27-2018
PROJECT NO.: 2017-81
DRAWN BY: EN
CHECKED BY: MMU

U/G DETENTION, OCS, & CSU DETAILS

C-4B

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