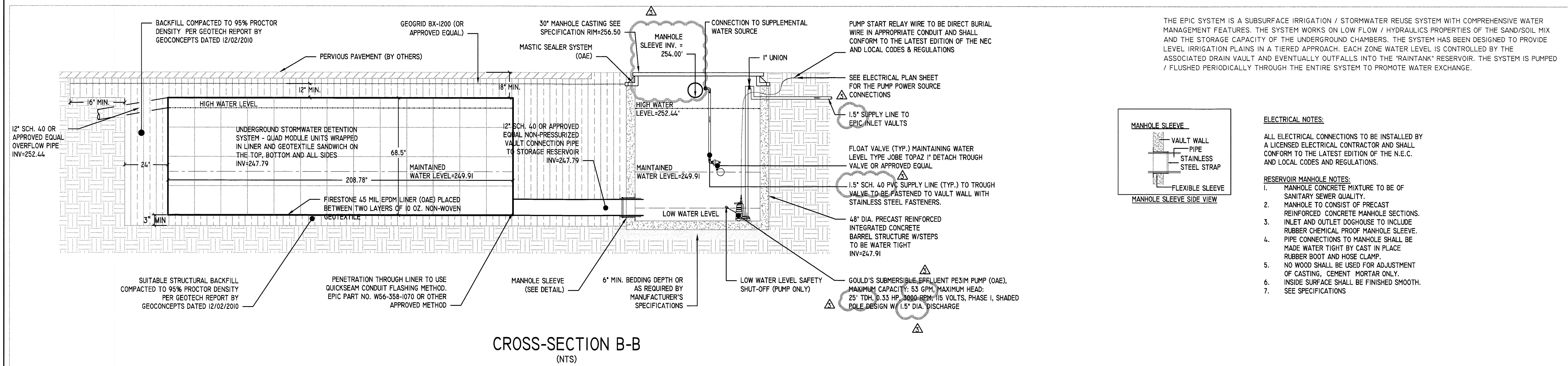
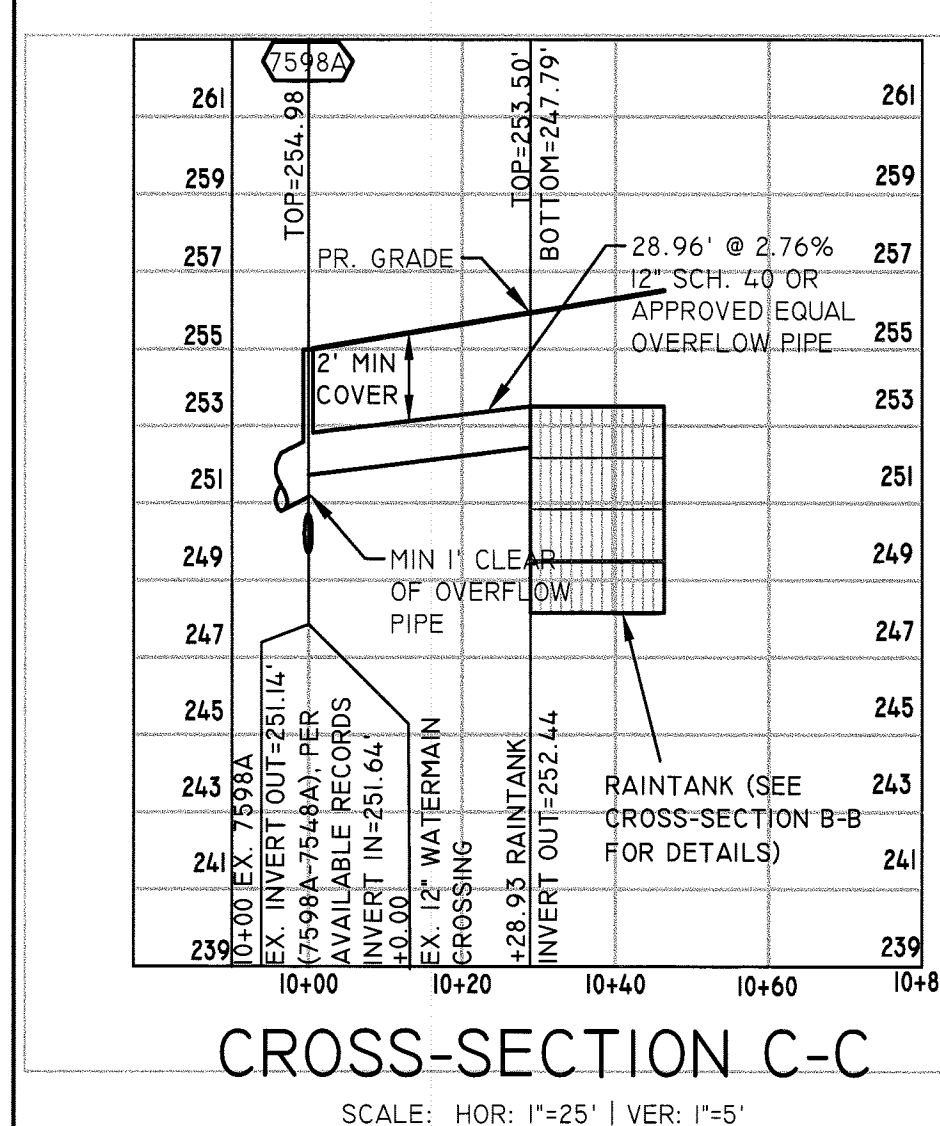


CROSS-SECTION A-A  
(NTS)



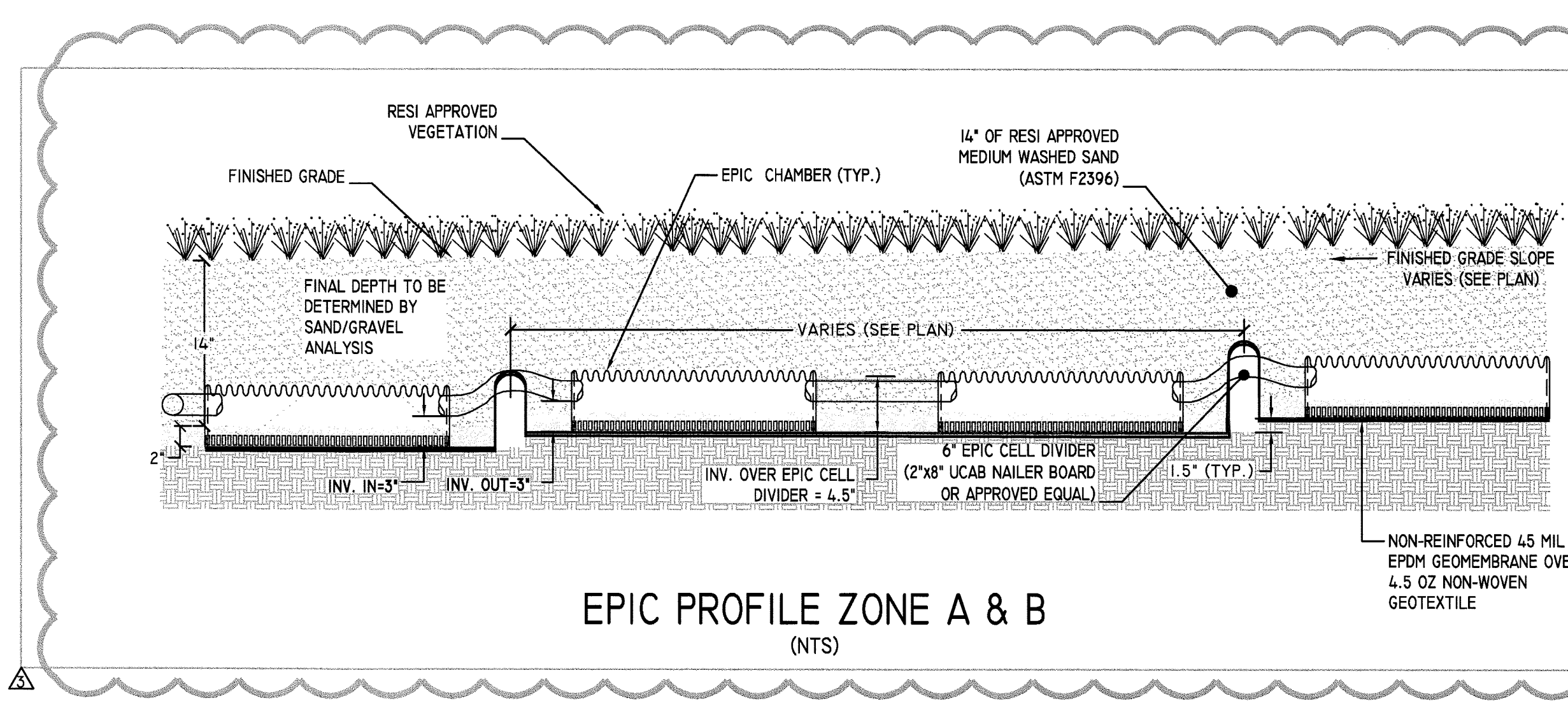
CROSS-SECTION B-B  
(NTS)



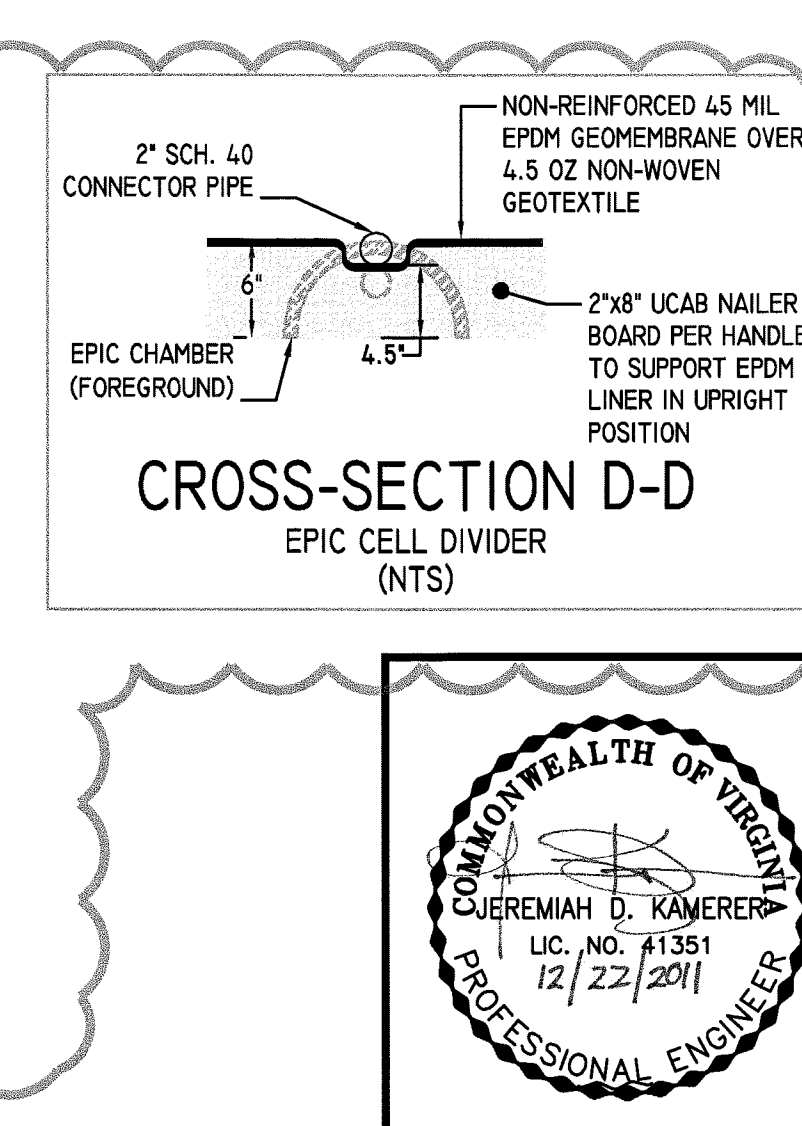
CROSS-SECTION C-C

#### OVERFLOW PIPE CALCULATIONS

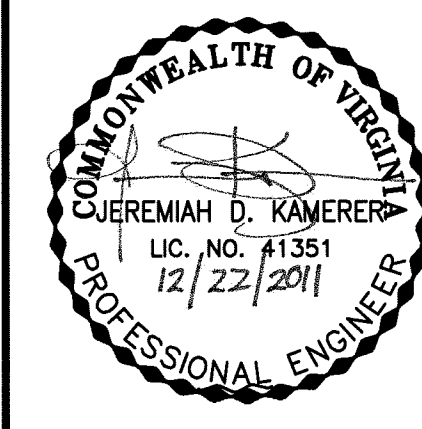
TYPE = SCH. 40 (PVC)  
SIZE = 12"  
SLOPE = 2.32%  
MANNING'S ROUGHNESS COEFFICIENT, N = 0.009  
CAPACITY Q = 7.84 CFS  
10-YEAR FLOWRATE, Q10 = 1.69 CFS  
25-YEAR FLOWRATE, Q25 = 2.16 CFS



EPIC PROFILE ZONE A & B  
(NTS)



CROSS-SECTION D-D  
EPIC CELL DIVIDER  
(NTS)



#### DEPARTMENT OF PARKS, RECREATION AND CULTURAL RESOURCES

Park Development Division  
2100 Clarendon Boulevard, Suite 414  
Arlington, VA 22201  
Phone: 703.228.3323  
Fax: 703.228.3328

IFB # 670-12

Project Name and Location

## 13th and Herndon Park Improvements

1299 N. HERNDON ST.  
CLARENDON, VA 22201

Sheet Title

### PASSIVE SUBSURFACE SYSTEM ELEVATIONS



William H. Gordon Associates, Inc.  
Engineers, Land Planners, Landscape Architects, Surveyors  
4501 DAILY DRIVE, CHANTILLY, VIRGINIA 20151  
Phone: 703.263.1892 Fax: 703.263.0792

Approvals Date

Dinesh Tikwani 11/25/12  
Department Director

1/25/12  
Park Development Division Chief

1/20/12  
Design Unit Supervisor

Revisions Date

DES REVIEW 10/12/2011  
PRCR REVIEW 12/22/2011

Designed: F. LUO

Drawn: F. LUO

Checked: R. WALKER

Filename: CJ-201-2789-0601.dwg

Plotted: Jan 04, 2012

Scale: NTS

Date: 22 DEC, 2011

#### ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES

13th & HERNDON PARK IMPROVEMENTS / ARLINGTON COUNTY PROJECT BY-RIGHT

#### PASSIVE SUBSURFACE SYSTEM ELEVATIONS

SCALE: 1"=10'	DESIGNED: F. LUO	F. LUO	CHECKED: R. WALKER
SUBMITTED DATE: 22 DEC, 2011	APPROVED DATE: CHIEF TRANSP. PLANNING BUREAU	APPROVED DATE: CHIEF TRANSP. ENGINEERING BUREAU	
APPROVED DATE: CHIEF WATER, SEWER, & STR. BUREAU	APPROVED DATE: CHIEF ENGINEERING BUREAU	APPROVED DATE: DIRECTOR OF ENV. SERVICES	
	SHEET CJ-201	CONTRACT H- SHEET 10	OF 39