

**JELLYFISH DESIGN NOTES**

JELLYFISH TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD MAINHOLE STYLE IS SHOWN. 3/4" MAINHOLE JELLYFISH TREATMENT CAPACITY IS 0.45 CFS. IF THE SITE CONDITIONS EXCEED 0.45 CFS AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION	54"	48"	27"	15"
CARTRIDGE DEPTH	6.50"	6.50"	4.25"	3.50"
OUTLET INVERT TO STRUCTURE INVERT (ft)	0.18 / 0.09	0.13 / 0.065	0.08 / 0.045	0.05 / 0.025
MAX. CARTS HIGH-FLO / DRAIN-DOWN	2 / 1			

THIS PROJECT

SEE SCHEDULE IN DETAIL 'D'

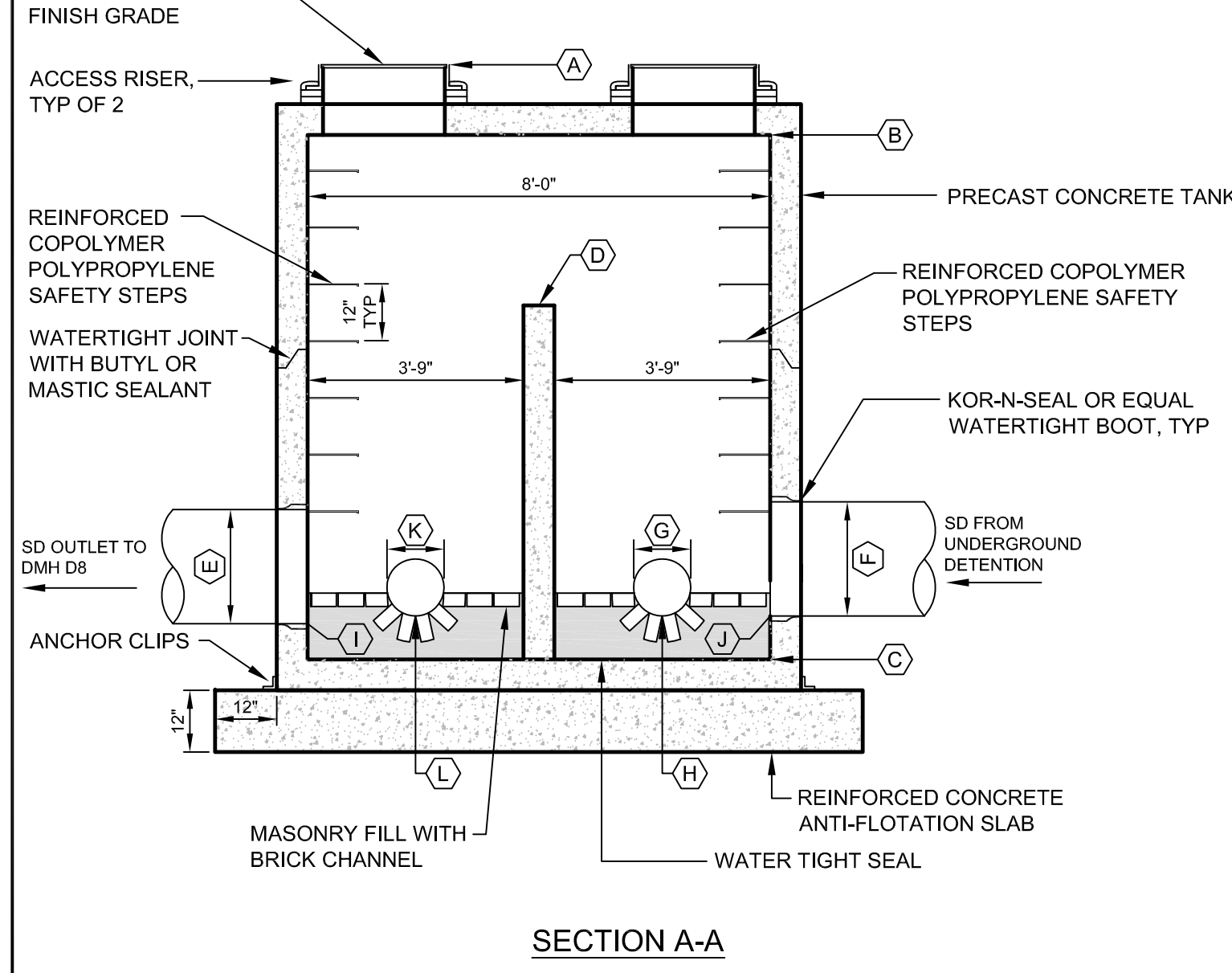
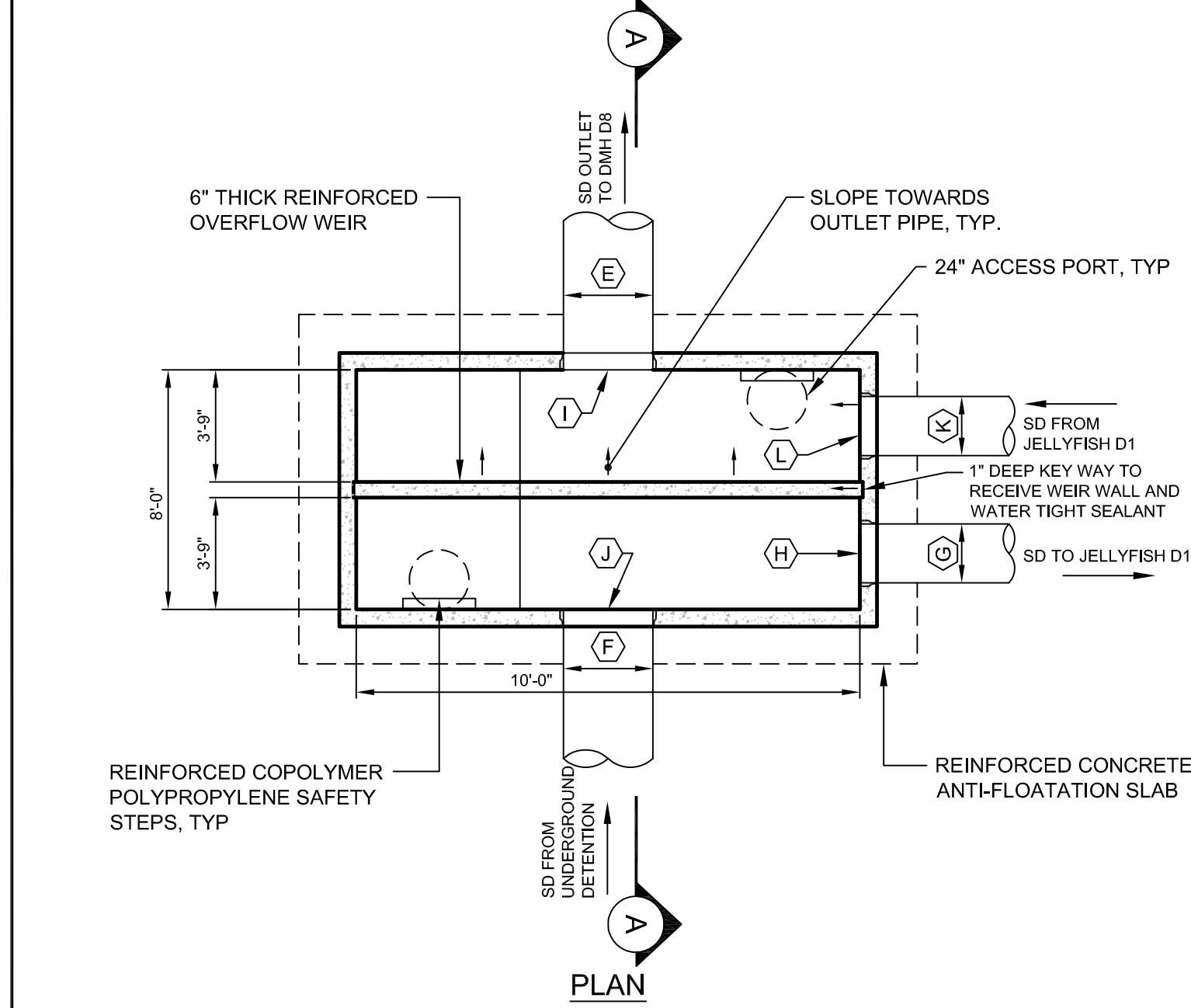
**(A) JELLYFISH JF4 STANDARD DETAIL**  
N.T.S.

**ZONE D-1 DATA REQUIREMENTS**

STRUCTURE ID	D1
WATER QUALITY FLOW RATE (cfs)	0.066
PEAK FLOW RATE (cfs)	5.50
RETURN PERIOD OF PEAK FLOW (yrs)	25
# OF CARTRIDGES REQUIRED (HF / DD)	2 / 1
CARTRIDGE SIZE	54"
PIPE DATA:	I.E. MATERIAL DIAMETER
INLET PIPE #1	* HDPE 12"
INLET PIPE #2	* HDPE 12"
OUTLET PIPE	* HDPE 24"
RIM ELEVATION	17.00
ANTI-FLOTATION SOIL	WIDTH HEIGHT
	1' 13.75

NOTES/SPECIAL REQUIREMENTS:  
MAINE DEP REQUIRES UPSTREAM WOU TO DRAIN IN 24-48 HOURS.  
CONTECH RESPONSIBLE FOR SIZING INTERNAL ORIFICE TO CONTROL PEAK WATER QUALITY OUTFLOW TO REQUIRED RATE  
\* PER ENGINEER OF RECORD

**(B) JELLYFISH TREATMENT UNIT DATA REQUIREMENTS**  
N.T.S.



**OVERFLOW DIVERSION STRUCTURE SCHEDULE**

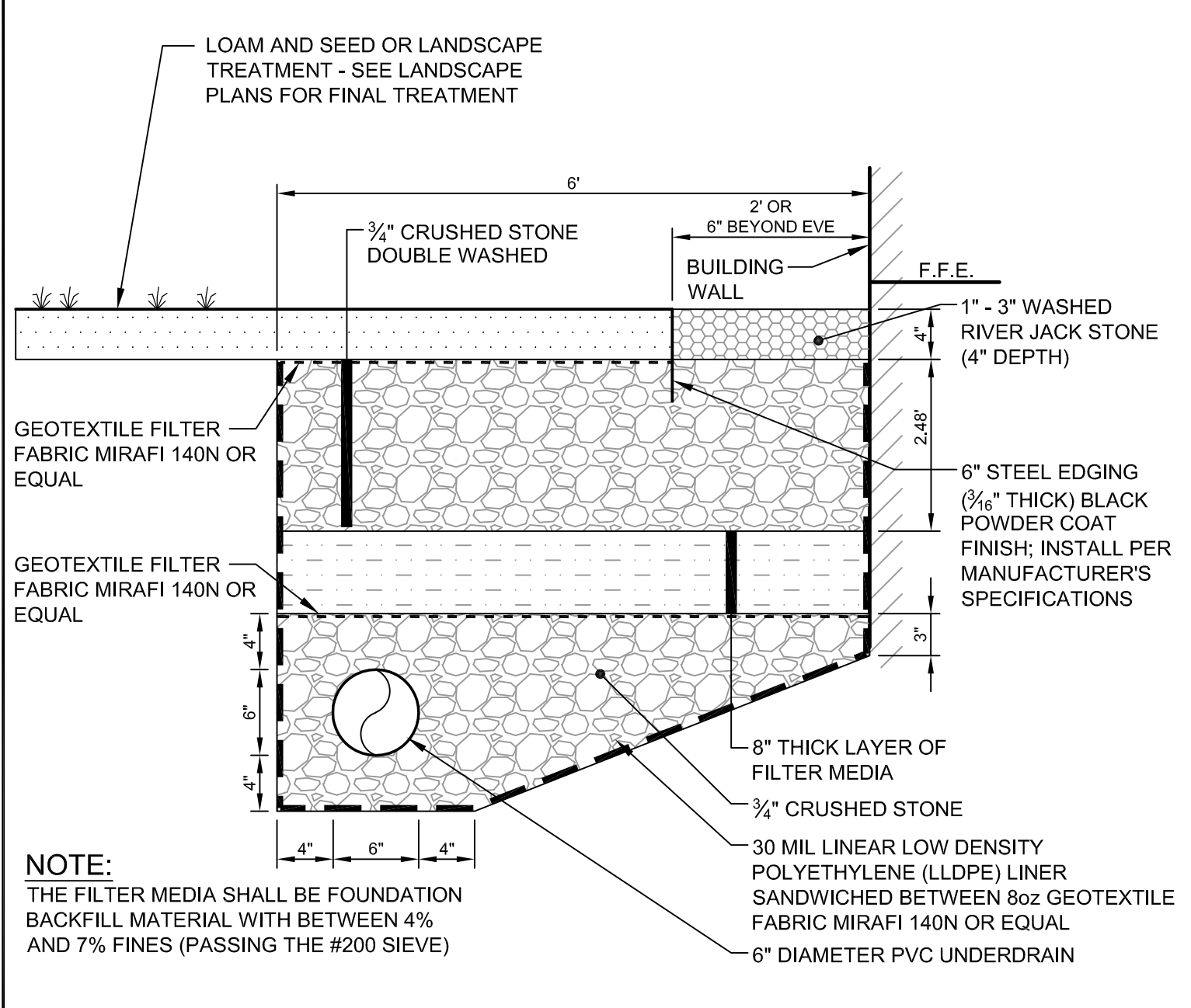
ITEM DESCRIPTION	ZONE D
(A) APPROXIMATE RIM ELEVATION	16.00
(B) TOP OF INSIDE OF TANK	14.5
(C) BOTTOM OF INSIDE OF TANK	8.92
(D) TOP OF WEIR WALL	13.02
(E) DIAMETER OF OVERFLOW OUTLET PIPE	24"
(F) DIAMETER OF INLET PIPE	24"
(G) DIAMETER OF OUTLET PIPE TO JELLYFISH	12"
(H) INV OF OUTLET PIPE TO JELLYFISH	10.52
(I) INV OF OVERFLOW OUTLET PIPE	9.92
(J) INV OF INLET PIPE	10.52
(K) DIAMETER OF OUTLET PIPE FROM JELLYFISH	12"
(L) INVERT OF OUTLET PIPE FROM JELLYFISH	10.02

**(C) OVERFLOW DIVERSION STRUCTURE D1**  
N.T.S.

**Jellyfish Unit Schedule**

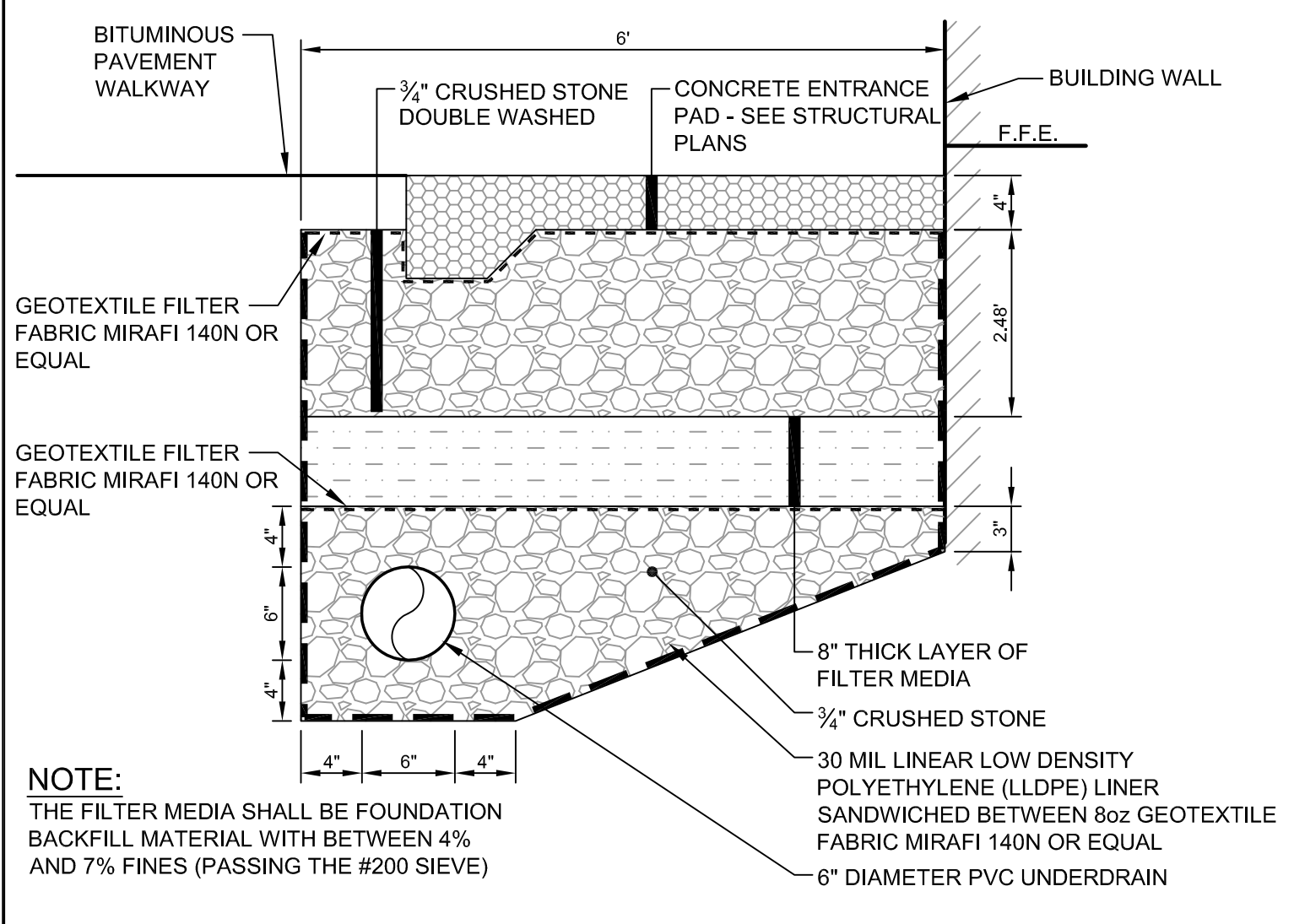
Schedule ID	Zone
Schedule	D
A-Outlet Inv. to Bottom of Structure (ft)	6.42
B-Finished Grade to Outlet Inv.	6.98
C-Required Outflow (cfs)	0.066
D-Inlet Inv. From Water Quality Storage	10.52
E-Outlet Inv.	10.02
F-Underside of Slab	15.33
G-Rim Elevation	17
H-Underside of Slab to Outlet Inv. (ft)	5.31
Hatch Required?	NO

**(D) JELLYFISH UNIT SCHEDULE**  
N.T.S.



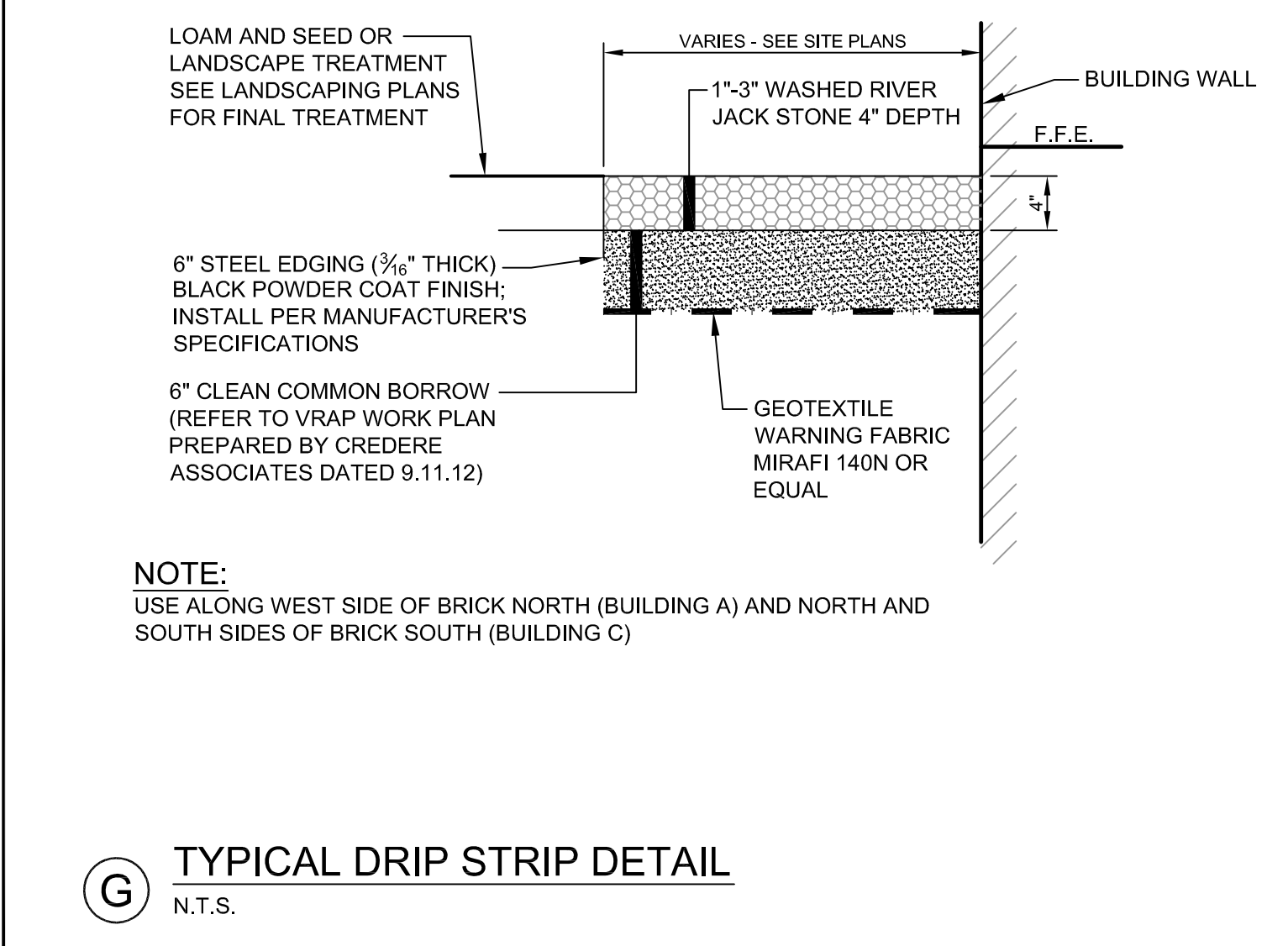
**NOTE:**  
USE ALONG NORTH AND SOUTH SIDE OF BRICK NORTH (BUILDING A)

**WATER QUALITY TREATMENT DRIP EDGE DETAIL**  
**CONDITION 1 - LANDSCAPE AREAS**  
N.T.S.



**NOTE:**  
USE ALONG NORTH AND SOUTH SIDE OF BRICK NORTH (BUILDING A)

**WATER QUALITY TREATMENT DRIP EDGE DETAIL**  
**CONDITION 2 - BUILDING ENTRANCES**  
N.T.S.



PRELIMINARY - NOT FOR CONSTRUCTION

		PROJECT: BRICK NORTH AND SOUTH BUILDINGS AT THE FOREFRONT AT THOMPSON'S POINT SHEET TITLE: STORMWATER DETAILS AND DRIP EDGE TREATMENT CLIENT: FOREFRONT PARTNERS   LP	<b>FAY, SPOFFORD &amp; THORNDIKE</b> ENGINEERS - PLANNERS - SCIENTISTS 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106
DRAWN: DED DESIGNED: BEK CHECKED: SRB FILE NAME: 2982.05-B5 DET	DATE: APRIL 2015 SCALE: N.T.S. JOB NO. 2982.05 DET	SHEET <b>C-7.0</b>	

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