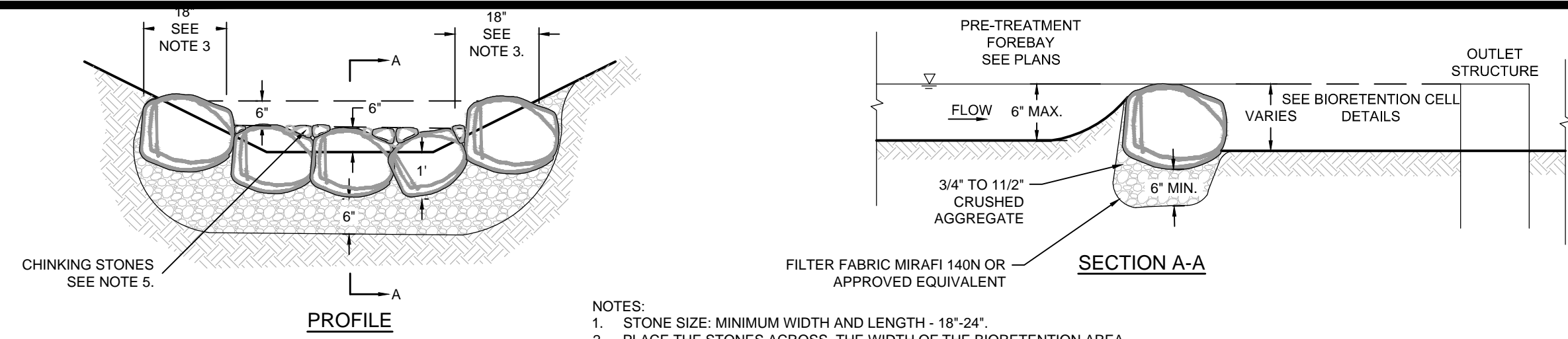
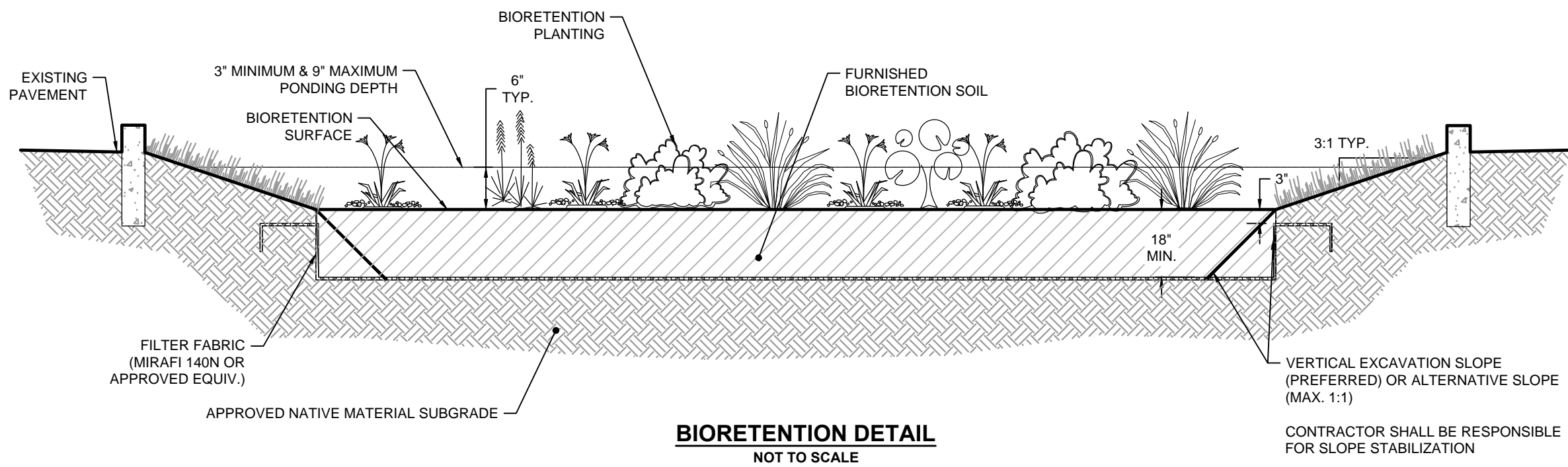


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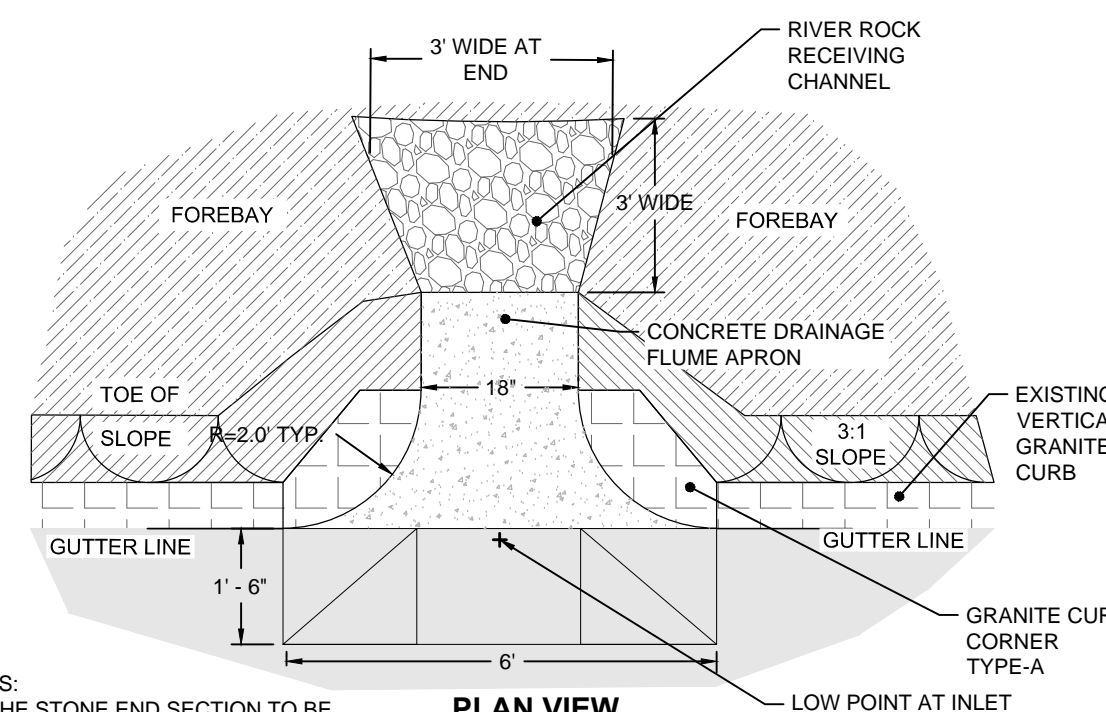


- NOTES:**
1. STONE SIZE, MINIMUM WIDTH AND LENGTH - 18"-24".
 2. PLACE THE STONES ACROSS THE WIDTH OF THE BIORETENTION AREA.
 3. KEY STONE INTO THE BIORETENTION EMBANKMENT, EXTEND INTO EMBANKMENT A MINIMUM OF 18" TO PREVENT FLOW FROM DIVERTING THE CHECK DAM.
 4. ADD CHINKING STONES AS NECESSARY TO FILL CREVICES BETWEEN STONES.
 5. CONSTRUCT THE TOP OF THE CHECK DAM SO THE CENTER IS APPROXIMATELY 6" LOWER THAN THE OUTER EDGES, FORMING A WEIR THAT WATER CAN FLOW ACROSS.
 6. DO NOT EXCEED A MAXIMUM HEIGHT OF 6".

**STONE CHECK FOR BIORETENTION
TYPICAL DETAIL
NOT TO SCALE**

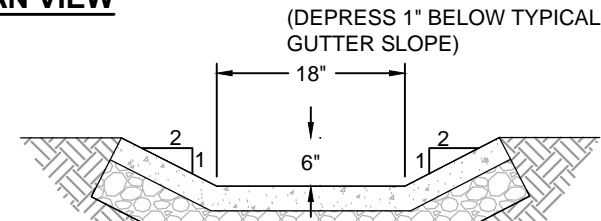


**BIORETENTION DETAIL
NOT TO SCALE**

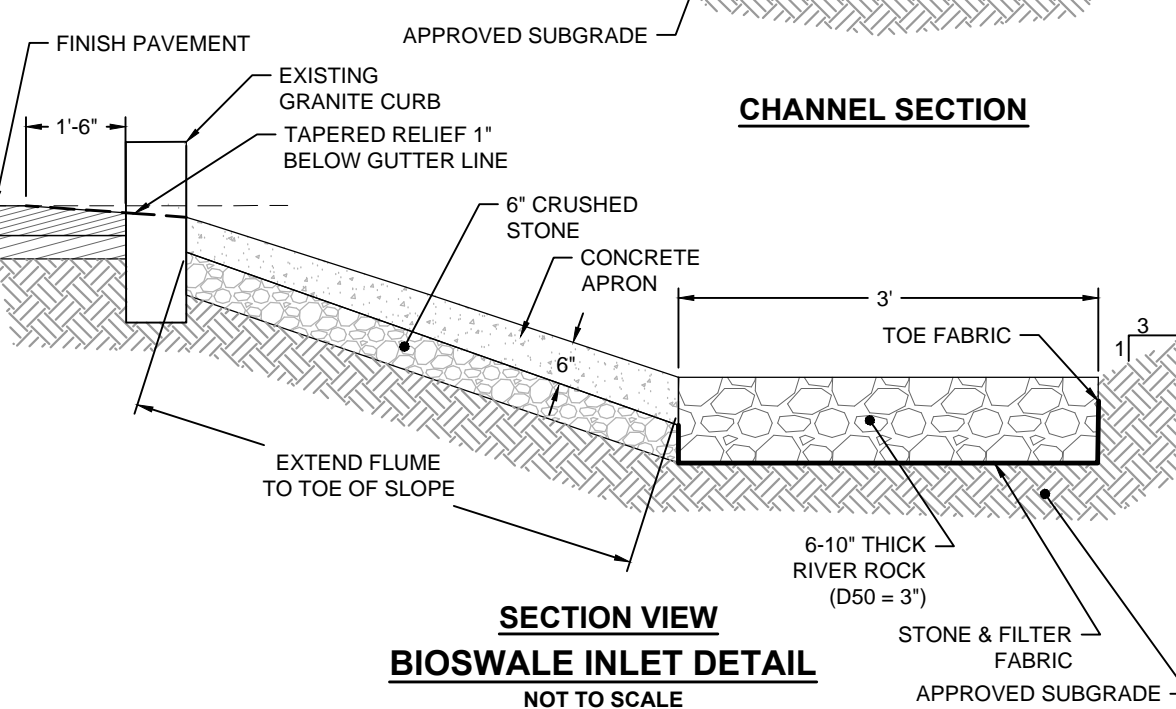


PLAN VIEW

- NOTES:**
1. THE STONE END SECTION TO BE UNDERCUT SO THAT THE INVERT OF THE APRON TO BE AT THE SAME GRADE FLUSH WITH THE SURFACE OF THE RECEIVING CHANNEL.
 2. THE WIDTH OF THE END OF THE APRON SHALL BE EQUAL TO THE BOTTOM WIDTH OF THE RECEIVING CHANNEL. MAXIMUM TAPER TO RECEIVING CHANNEL 5:1.



**SECTION VIEW
BIOSWALE INLET DETAIL
NOT TO SCALE**



CHANNEL SECTION

**HOSMER ELEMENTARY
SCHOOL**

WINTHROP STREET

HANCOCK STREET

NOTES:

1. EXISTING CONDITIONS BASED OFF PLAN TITLED, "ADDITION AND RENOVATIONS AT THE HOSMER ELEMENTARY SCHOOL" WATERTOWN, MA. PREPARED BY: GALE ASSOCIATES, INC. DATED: JANUARY 22, 2001

SOIL TEST PIT DATA

PERFORMED BY: JANET C. BERNARDO, HORSLEY WITTEN GROUP, INC
DATE: DECEMBER 30, 2016.

DEPTH	SOIL TYPE	DEPTH (ft)
0"	TP-3	54.8
4"	A FILL	53.8
16"	B FILL	52.5
64"	C 10 YR 4/4 LOAMY SAND	44.8
NO REDOXYMORPHIC FEATURES		

22' - 12" RCP
S=2.5%

121' - 12" RCP
S=1.2%

BENCHMARK
TOP OF HYDRANT
SPINDLE EL=75.89

DMH #5
RIM: 72.66'
INV IN (ROOF): 68.69'
INV IN (WQI #2): 65.54'
INV OUT (DMH #6): 65.54'

DMH #4
RIM: 71.72'
INV IN (DMH #3): 67.57'
INV OUT (WQI #2): 67.38'

DMH #6
RIM: 72.31'
INV IN (DMH #10): 67.57'
INV OUT (WQI #2): 67.38'

DMH #5
RIM: 72.66'
INV IN (ROOF): 68.69'
INV IN (WQI #2): 65.54'
INV OUT (DMH #6): 65.54'

DMH #4
RIM: 71.72'
INV IN (DMH #3): 67.57'
INV OUT (WQI #2): 67.38'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

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RIM: 66.71'
INV IN (DMH #7): 64.00'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

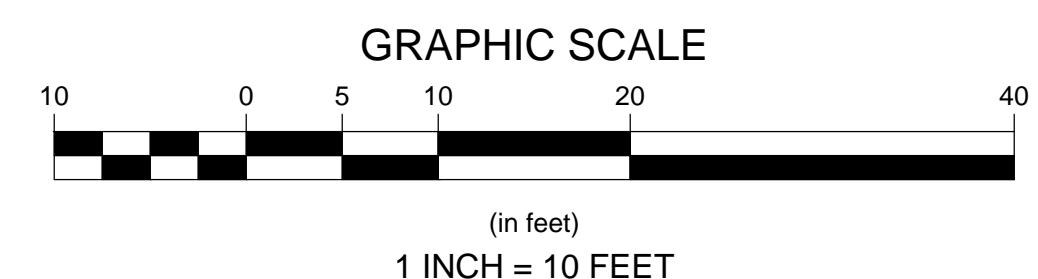
DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'

DMH #7
RIM: 66.71'
INV IN (DMH #7): 64.00'



Revisions	Date	By	Appr	Description

Horsley Witten Group, Inc.
Sustainable Environmental Solutions
40 Rowley Rd
Sandwich, MA 02563
508-833-6600 voice
508-833-3150 fax

**HOSMER SCHOOL
STORMWATER IMPROVEMENTS
WATERTOWN, MASSACHUSETTS**

Prepared For:
Town of Watertown
124 Orchard Street
Watertown, MA
Phone: (617)-972-6420
Fax: ---

**DRAFT
NOT FOR
CONSTRUCTION**

Project Number: 15145A
Sheet: 1 of 1
Sheet Number: C-1

30% DESIGN - SITE PLAN