

1. CONTRACTOR WILL BE RESPONSIBLE FOR CONTROLLING WATER IN THE EXCAVATION AREA

AND MEETING THE PERFORMANCE STANDARDS OF THE CONTRACT, PARTICULARLY FOR WATER

MINIMUM, SOME FORM OF SEDIMENTATION/TURBIDITY REDUCTION BEST MANAGEMENT PRACTICE

2. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING SILT FENCE/STRAW

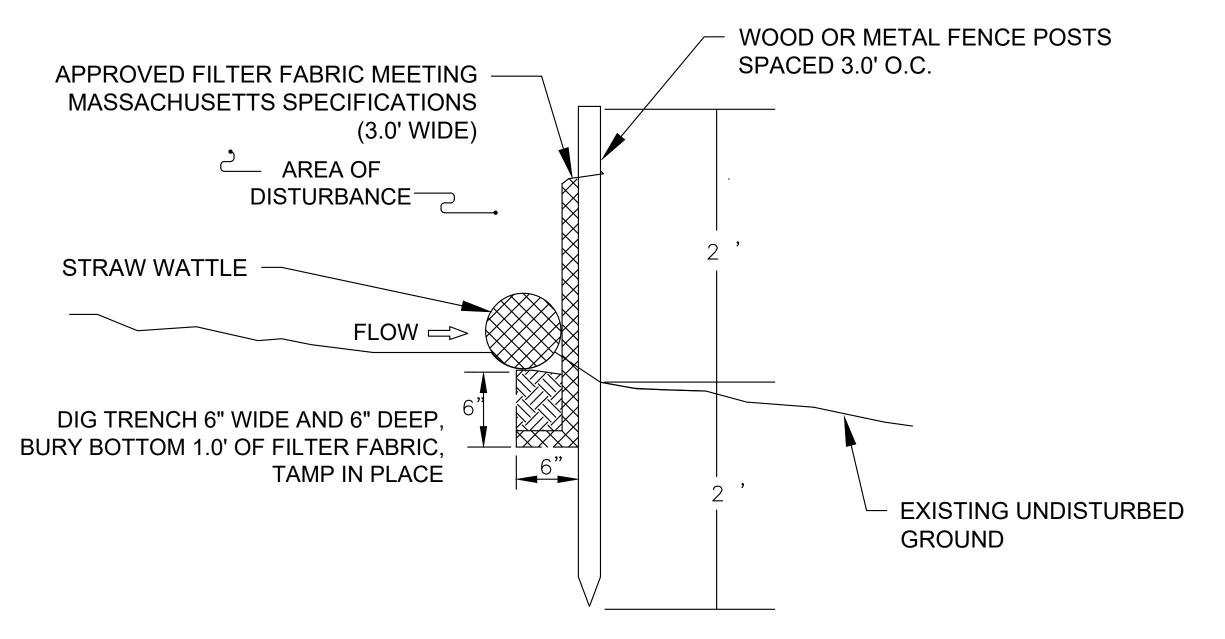
WATTLE THROUGHOUT THE CONTRACT AND ENSURING IT IS PLACED IN A MANNER TO PROTECT

3. EROSION AND SEDIMENTATION CONTROL SHALL REMAIN IN PLACE AND IN PROPER WORKING

ORDER THROUGHOUT THE DURATION OF THE CONTRACT. IF INITIAL CONTROLS DO NOT PROVE

TO BE SUFFICIENT. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS.

QUALITY. CONTRACTOR TO SUBMIT A TRENCH DEWATERING PLAN THAT WILL ADDRESS, AT A



1. SILT FENCING SHALL BE PLACED AS SHOWN ON PROJECT DRAWINGS. 2. BOTTOM 1 FOOT OF SILT FENCING SHALL BE BURIED IN 6" X 6"

TRENCH DUG AT BASE OF FENCING.

3. SILT FENCING SHALL BE ANCHORED IN PLACE WITH WOODEN OR METAL FENCE POSTS SPACED AT 3 FT. O.C.

4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE PROMPT (WHEN NEEDED).

5. SILT FENCING SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS.

6. SILT FENCING TO BE PLACED DOWN-GRADIENT OF HAY BALES.

-6"-9" (TO BERM TOP) -3" FINE/DOUBLE SHREDDED BIORETENTION DEPTH 30" MIN 3" DOUBLE-WASHED PEASTONE $\frac{1}{8}$ " - $\frac{1}{2}$ " 9" DOUBLE-WASHED CRUSHED STONE $\frac{3}{4}$ - $1\frac{1}{2}$

AS TO COMPLY WITH THE WATER QUALITY REQUIREMENTS.

THE SENSITIVE DOWNSTREAM RECEPTORS AND OFF-SITE AREAS.

EXFILTRATING BIORETENTION CELL DETAIL

NOTES:

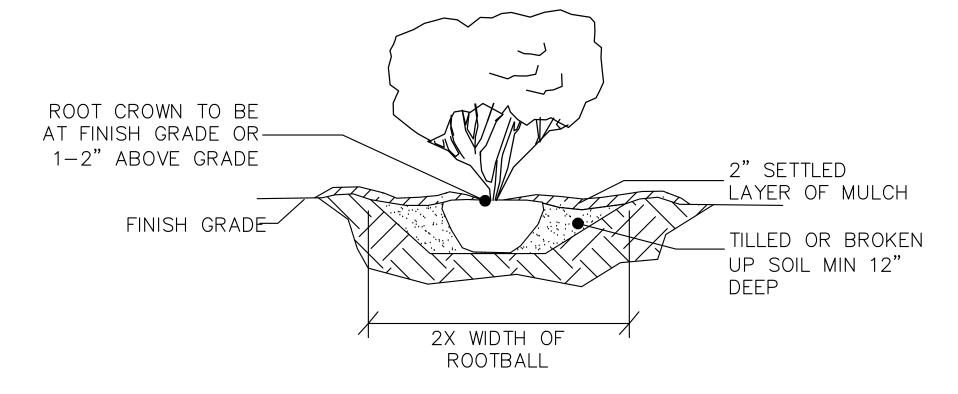
NO SCALE

- 1. ALL A & B HORIZON SOILS, AS WELL AS OTHER UNSUITABLE SOILS, UNDERLYING THE BMPS SHALL BE REMOVED AND REPLACED. 2. EXCAVATION FOR ALL BMPS SHALL INCLUDE AN OVERDIG OF 25% OF
- SUITABLE SOILS FOR THE BMP. 3. EXCAVATION AND INSTALLATION OF THE BMPS SHALL BE INSPECTED BY THE ENGINEER.

THE WIDTH OF THE BMP UP TO A MAXIMUM OF 3 FT TO ENSURE

- 4. UNDERLYING SOILS FOR THE BMPS SHALL NOT BE COMPACTED PRIOR TO PLACEMENT OF THE BMPS.
- 5. ALL INFILTRATION PRACTICES SHALL BE PROTECTED DURING CONSTRUCTION.
- 6. THE BIORETENTION SOIL MIX SHALL BE A MINIMUM DEPTH OF 30 INCHES AND SHALL CONSIST OF A UNIFORM MIXTURE OF TWO PARTS (40% BY VOLUME) COARSE SAND (MASS HIGHWAY DEPARTMENT MATERIAL SPECIFICATION M1.04.0 TYPE A), TWO PARTS (40% BY VOLUME TOPSOIL (MHD SPECIFICATION M1.05.0 OR M1.06.1) ND ONE PART (20% BY VOLUME) SHREDDED HARDWOOD BARK MULCH.

7. THE LARGEST STONE SIZE SHALL BE 1/2" DIAMETER IN THE TOPSOIL.



TYP. SHRUB PLANTING NO SCALE

NOTES: TYPICAL SHURB PLANTING, INDIVIDUAL PLANTING HOLE

- 1. DIG PLANTING HOLE AT LEAST 2X THE WIDTH OF THE ROOT BALL OR CONTAINER. 2. SCARIFY SUBGRADE AND SIDES OF PLANTING HOLE WHEN PLANTING IN CLAY SOIL.
- 3. SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE, OR 1-2" ABOVE IF THE SOIL IS
- PRONE TO SETTLING. 4. IF CONTAINER GROWN PLANT, GENTLY SLIDE PLANT OUT OF CONTAINER. DISTURB THE ROOTS.
- 5. IF B&B PLANT, REMOVE BURLAP FROM AT LEAST THE TOP 12 INCHES OF THE ROOTBALL, WITHOUT DISTURBING THE ROOTBALL. REMOVE ALL CORD
- FROM THE TRUNK. REMOVE BURLAP AND WIRE BASKET (IF PRESENT) FROM THE ROOT BALL. 6. BACK FILL THE PLANTING HOLE WITH EXCAVATED NATIVE SOIL, BROKEN UP OR TILLED. WATER TO REMOVE AIR POCKETS. DO NOT ADD AMENDMENTS.
- 7. PLACE PINE STRAW OR BARK MULCH ON THE SURFACE TO A (SETTLED) DEPTH OF 1 TO 3 INCHES.

NOTES:

- 1. ALL PLANT MATERIALS SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICA ASSOCIATION OF NURSERYMEN, INC.
- 2. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, FREE OF DISEASE, INSECTS, AND PESTS.
- 3. KEEP ROOTBALLS INTACT PRIOR TO AND DURING PLANTING OPERATIONS. PLANTS WITH BROKEN OR DAMAGED ROOT BALLS SHALL BE REJECTED AND IMMEDIATELY REMOVED FROM THE SITE. KEEP ROOTBALLS DAMP AND PROTECTED FROM DAMAGE DUE TO SUN AND WIND.
- 4. ALL PLANTED AREAS WITHIN OR OUTSIDE THE LIMIT OF WORK WHICH ARE DISTURBED DURING CONSTRUCTION (INCLUDING PLANTING OPERATIONS) SHALL BE RETURNED TO ORIGINAL GRADE, LOAMED, AND SEEDED OR MULCHED (AS APPROPRIATE) BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 5. AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED AND SEEDED WITH NEW ENGLAND WETMIX (BY NEW ENGLAND WETLANDS PLANTS, INC.) OR EQUIVALENT: RECOMMEND 1 LB./2500 SF APPLICATION RATE; CONTAINS A WIDE VARIETY OF NATIVE SEEDS SUITABLE FOR WETLAND RESTORATION SITES THAT ARE NOT PERMANENTLY FLOODED.



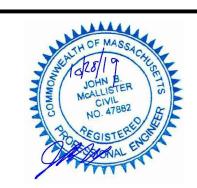
ROCKVILLE, MD WATERTOWN, MA NEW BEDFORD, MA SOUTH WINDSOR, CT 124 WATERTOWN ST, SUITE 3F

WATERTOWN, MA

1213 PURCHASE STREET SUITE 301 NEW BEDFORD, MA

58H CONNECTICUT AVENUE SOUTH WINDSOR, CT

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10/28/19 PLANNING BOARD 10/2/19 PARKING EDIT 8/26/19 PEER REVIEW EDIT JEF NO. DATE DESCRIPTION PROJECT NO. 6893-001 CADD FILE DESIGNED BY JBM DRAWN BY JER CHECKED BY JBM DATE 8/8/19 DRAWING SCALE AS NOTED **GRAPHIC SCALE**

SHEET TITLE

EROSION CONTROLS AND **DETAILS**

DRAWING NO.

D-1

7 OF 7

PLOT SCALE 1/16"=1'-0"