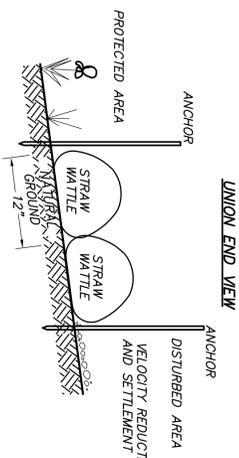
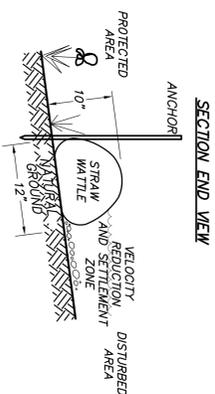


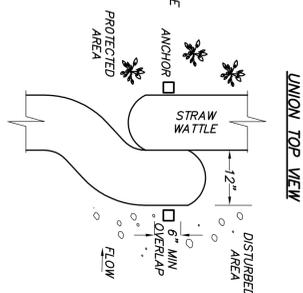
EROSION CONTROL AND SEDIMENTATION NOTES:

1. STRAW WATTLE SILTATION BARRIER: THE STRAW WATTLES SHALL BE INSTALLED AS NECESSARY. THE SILTATION BARRIER WILL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. AN ADDITIONAL SUPPLY OF STRAW WATTLES SHALL BE ON-SITE TO REPLACE AND OR REPAIR STRAW WATTLES THAT ARE DISTURBED, ON A WEEKLY BASIS AND AFTER EVERY STORM EVENT. THE CONTRACTOR SHALL VERIFY THAT ALL EROSION CONTROL AND STABILIZING MEASURES ARE STILL IN PLACE AND INTACT. ANY BREAKS IN STRAW WATTLES WILL BE CORRECTED IMMEDIATELY.
2. ALL STOCKPILING OF MATERIALS OR ANY OTHER EXPOSED MATERIALS, OPEN TO THE ELEMENTS, SHALL BE STABILIZED WITHIN TWO DAYS.
3. AT THE COMPLETION OF THE PROJECT ALL DISTURBED AREAS ARE TO BE PERMANENTLY LOAMED AND SEEDED OR PERMANENTLY STABILIZED WITH OTHER SUITABLE GROUND COVER APPROVED BY THE ENGINEER.
4. STORM DRAIN INLET PROTECTION: A TEMPORARY STORM DRAIN INLET PROTECTIVE FILTER SHALL BE PLACED AROUND ALL CATCHBASIN INLETS. THE PURPOSE OF THE FILTER IS TO NOT ALLOW SEDIMENT INTO THE CLOSED DRAINAGE SYSTEM. THE FILTER SHALL REMAIN IN PLACE UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED AND THE TRANSPORT OF SEDIMENT IS NO LONGER VISIBLY APPARENT. THE FILTER SHALL BE MAINTAINED ON A WEEKLY BASIS AND AFTER EVERY STORM EVENT.
5. THE SURFACE OF ALL DISTURBED AREAS SHALL BE STABILIZED DURING AND AFTER CONSTRUCTION. TEMPORARY MEASURES SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT EROSION AND SILTATION. TEMPORARY EROSION CONTROL MEASURES SHALL CONFORM WITH THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES URBAN AND SUBURBAN AREAS" DATED MARCH 1997 AND SHALL BE APPROVED BY THE ENGINEER. ALL DISTURBED SLOPES WILL BE STABILIZED WITH A PERMANENT VEGETATIVE COVER. SOME OR ALL OF THE FOLLOWING MEASURES WILL BE UTILIZED ON THIS PROJECT:
 - a. TEMPORARY SEEDING
 - b. TEMPORARY MULCHING (STRAW)
 - c. PERMANENT SEEDING
 - d. PLACEMENT OF SOD
 - e. HYDROSEEDING
 - f. PLACEMENT OF HAY (WINTER MONTHS)
 - g. PLACEMENT OF JUTE NETTING
6. DUST CONTROL: IF DUST IS GENERATED DURING CONSTRUCTION ACTIVITIES THEN THE USE OF WATER TRUCKS OR WATER SPRINKLING WILL BE IMPLEMENTED.
7. DEBRIS & LITTER REMOVAL: ALL DEBRIS & LITTER SHALL BE REMOVED WHEN NECESSARY.
8. PLACE STRAW WATTLES & CRUSHED STONE AROUND ALL EXISTING CATCHBASINS ON THE SITE IN THE VICINITY OF THE PROPOSED WORK DURING CONSTRUCTION.
9. CONSTRUCT "TEMPORARY CONSTRUCTION ENTRANCE" AS SHOWN ON DETAIL PLAN PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITIES. ALL CONSTRUCTION VEHICLES SHALL EXIT THE SITE OVER THIS "TEMPORARY CONSTRUCTION ENTRANCE". THE CONTRACTOR SHALL USE THIS AREA TO REMOVE SOIL FROM THE TIRES OF CONSTRUCTION VEHICLES. "TEMPORARY CONSTRUCTION ENTRANCE" TO CONSIST OF SIX TO TWELVE INCHES OF TWO TO THREE INCH STONE.
10. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING ANY SAND, DIRT, OR DEBRIS WHICH ERODES FROM THE SITE ONTO LOW STREET, OR PRIVATE PROPERTY, AND TO REMOVE SILT OR DEBRIS THAT ENTERS ANY EXISTING DRAINAGE SYSTEM INCLUDING CATCH BASIN SUMPS, PIPE LINES, MANHOLES, AND DITCHES.
11. IF A DRAINAGE OR RUN-OFF PROBLEM OCCURS DURING CONSTRUCTION, THE APPLICANT SHALL TAKE IMMEDIATE CORRECTIVE MEASURES.
12. ANY SILT OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE ACCESS ROAD IMMEDIATELY UPON DISCOVERY. THE ROADWAY SHALL BE SWEEP AS APPROPRIATE FOR DUST CONTROL.
13. AFTER THE VEGETATION IS ESTABLISHED AND THE GRADED SLOPES ARE STABLE, THE CONTRACTOR WILL REMOVE ALL THE TEMPORARY EROSION CONTROL BARRIERS.
14. STUMPS SHALL BE REMOVED FROM THE SITE. NO STUMPS SHALL BE BURIED ON SITE.
15. THE SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO THE START OF CONSTRUCTION ON THE SITE.
16. ALL STOCKPILES SHALL HAVE EROSION CONTROL MEASURES AROUND THE PERIMETER AT ALL TIMES. STOCKPILES SHALL BE LOCATED ONLY IN THE AREA OF THE PROPOSED PARKING LOT DURING CONSTRUCTION.
17. UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE IMMEDIATELY STABILIZED WITH A 4 TO 6 INCH LAYER OF LOAM AND SEED.



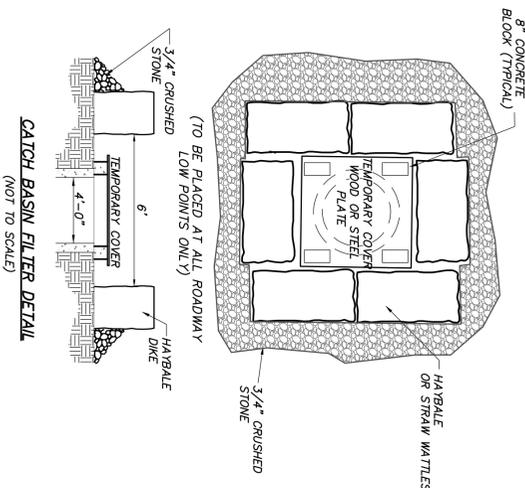
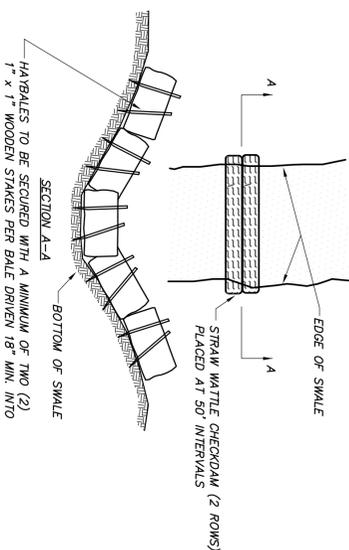
STRAW WATTLE DETAIL
(NOT TO SCALE)

1. WATTLES SHALL BE CONSTRUCTED OF BIODEGRADABLE TUBULAR PLASTIC OR SIMILAR MATERIAL, AND SHALL BE FILLED WITH STRAW OR WOOD.
2. INSTALL WATTLES IN LOCATIONS SHOWN ON THE PLAN.
3. INSTALL THE WATTLES SWAGLY INTO A 3'-5" DEEP TRENCH AND OVERLAP AS SHOWN IN THE DETAIL.
4. INSTALL ANCHOR STAKES ON DOWNHILL SIDE OF THE WATTLES, AND AT 5' SPACING ALONG THE LENGTH OF THE WATTLE.
5. AT A MINIMUM, ANCHOR STAKES SHALL BE 3/4" SQUARE BY 24" LONG, EXISTING VEGETATION GREATER THAN 2" DIAMETER MAY BE USED AS ANCHORS.
6. INSPECT WATTLES AFTER RAINFALL EVENTS TO ENSURE THEY ARE IN CONTACT WITH THE SOIL AND THOROUGHLY ENTRENCHED, AND REPAIR AS NEEDED.
7. INSPECT DOWNGRADIENT SLOPE AFTER SIGNIFICANT RAINFALL EVENTS TO ENSURE SCOUR IS NOT OCCURRING UNDER THE WATTLES, AND REPAIR AS NECESSARY.

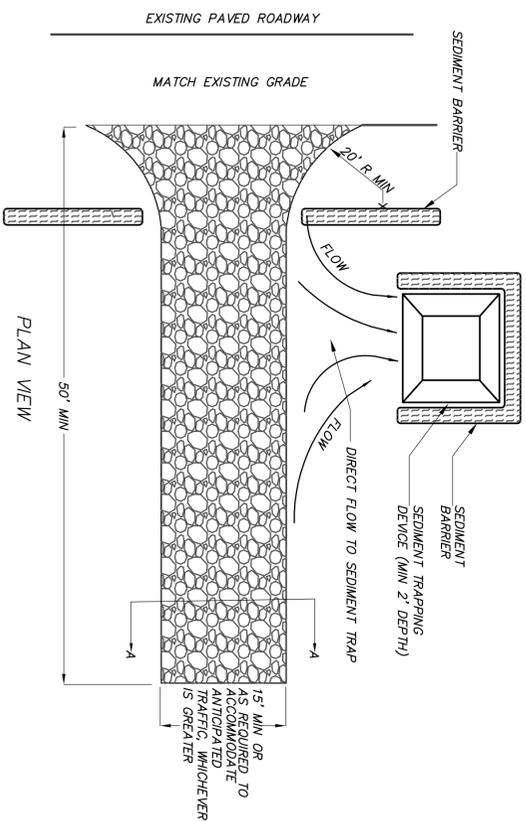


1. BALES SHALL BE LAID IN A ROW - ENDS TIGHT TO ABUTTING BALES
2. BALES SHALL BE SECURELY ANCHORED IN PLACE BY (2) WOODEN STAKES (SEE DETAIL) DRIVEN THROUGH EACH BALE - THE FIRST TO BE ANGLED TOWARD THE PREVIOUSLY SET BALE TO DRAW BALE TIGHT.
3. INSPECTIONS SHALL BE WEEKLY AND FOLLOWING STORMS, REPAIR AND/OR REPLACE AS REQUIRED.
4. BALES & STAKES SHALL BE REMOVED ONCE A PERMANENT VEGETATIVE GROUND COVER HAS BEEN ESTABLISHED OR WHEN DIRECTED BY THE DESIGN ENGINEER.

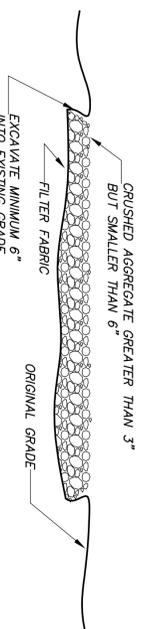
HAYBALE CHECKDAM
(NOT TO SCALE)



CATCH BASIN FILTER DETAIL
(NOT TO SCALE)



SECTION A-A
CONSTRUCTION ENTRANCE DETAIL



APPROVED BY
GROTON PLANNING BOARD

DATE _____

#	DATE	REVISION COMMENT

DATE: 2/21/14



2-21-14

EROSION AND SEDIMENT CONTROL PLAN
NEW ENGLAND SHIRDI SAI PARIVAAR TEMPLE
BOSTON ROAD (RTE 119) GROTON
719 GREAT ROAD LITTLETON

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