

EXISTING SYMBOLS LEGEND

- EXISTING SINGLE WHITE LINE SWL
- EXISTING BENCHMARK BM
- EXISTING UNDERGROUND COMM. C
- EXISTING STORM DRAIN D
- EXISTING SANITARY SEWER S
- EXISTING WATER MAIN W
- EXISTING GAS MAIN G
- EXISTING UNDERGROUND ELEC. E
- EXISTING OVERHEAD WIRES OHW
- EXISTING 2' CONTOUR -202-
- EXISTING 10' CONTOUR -200-
- EXISTING DOUBLE YELLOW LINE DYL
- EXISTING DRAIN MANHOLE DMH
- EXISTING SEWER MANHOLE SMH
- EXISTING CATCH BASIN CB
- EXISTING FLOW DIRECTION
- EXISTING FIRE HYDRANT
- EXISTING WATER GATE WG
- EXISTING UTILITY POLE UP
- EXISTING PERC TEST LOCATION PT
- EXISTING TEST PIT LOCATION TP
- EXISTING WELL W

PROPOSED SYMBOLS LEGEND

- PROPOSED RETAINING WALL
- PROPOSED DRAIN MANHOLE DMH
- PROPOSED TRENCH DRAIN TD
- PROPOSED STORMCEPTOR SC
- PROPOSED SEWER MANHOLE SMH
- PROPOSED CATCH BASIN CB
- PROPOSED UTILITY POLE UP
- PROPOSED HYDRANT
- PROPOSED WATER GATE WG
- PROPOSED WATER SERVICE WS
- PROPOSED WELL
- PROPOSED SEWER SERVICE SS
- PROPOSED GAS SERVICE GS
- PROPOSED GAS GATE GG
- PROPOSED STORM DRAIN D
- PROPOSED SANITARY SEWER S
- PROPOSED SEWER SERVICE SS
- PROPOSED WATER MAIN W
- PROPOSED WATER SERVICE WS
- PROPOSED GAS MAIN G
- PROPOSED UNDERGROUND ELECTRIC E
- PROPOSED UNDERGROUND COMM. COM
- PROPOSED CONTOUR 150
- PROPOSED FORCEMAIN FM
- PROPOSED FLARED END FE
- PROPOSED SPOT GRADE 3.31x0
- PROPOSED HAYBALES

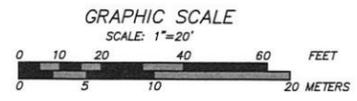
#	DATE	REVISION	COMMENT

**CONCEPTUAL
SUBDIVISION
SITE PLAN**
56 WINDSOR AVE
ACTON, MASSACHUSETTS

**WESTCHESTER
COMPANY**
P.O. BOX 2236
ACTON, MASSACHUSETTS

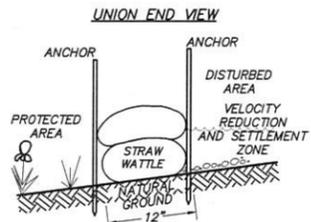
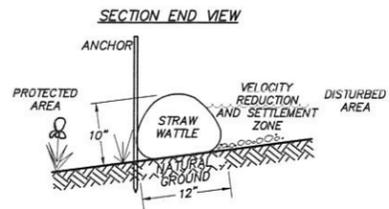
360 MASSACHUSETTS AVE, SUITE 200
ACTON, MASSACHUSETTS 01720
P(978) 263-0430 F(978) 263-0447
www.MarkeyAndRubin.com

Markey & Rubin
CIVIL ENGINEERING



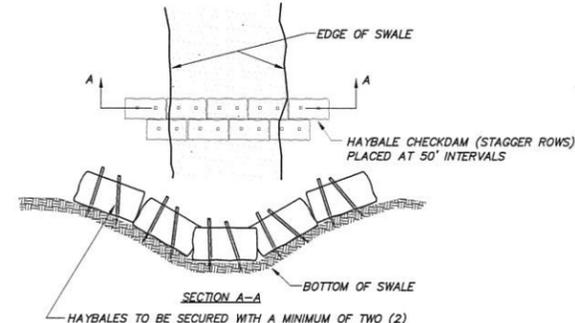
EROSION CONTROL AND SEDIMENTATION NOTES:

- HAYBALES AND SILT FENCES: THE STAKED HAYBALES AND SILT FENCE SHALL BE INSTALLED AS NECESSARY. THE SILTATION BARRIER WILL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. AN ADDITIONAL SUPPLY OF HAYBALES AND SILT FENCE SHALL BE ON-SITE TO REPLACE AND OR REPAIR HAYBALE FENCING THAT IS 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 SILT FENCE AND HAYBALES WILL BE CORRECTED IMMEDIATELY.
- ALL STOCKPILING OF MATERIALS OR ANY OTHER EXPOSED MATERIALS, OPEN TO THE ELEMENTS, SHALL BE STABILIZED WITHIN TWO DAYS.
- 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.
- 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.
- 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.
 - TEMPORARY SEEDING
 - TEMPORARY MULCHING (STRAW)
 - PERMANENT SEEDING
 - PLACEMENT OF SOD
 - HYDROSEEDING
 - PLACEMENT OF HAY (WINTER MONTHS)
 - PLACEMENT OF JUTE NETTING
- DUST CONTROL: IF DUST IS GENERATED DURING CONSTRUCTION ACTIVITIES THEN THE USE OF WATER TRUCKS OR WATER SPRINKLING WILL BE IMPLEMENTED.
- DEBRIS & LITTER REMOVAL: ALL DEBRIS & LITTER SHALL BE REMOVED WHEN NECESSARY.
- PLACE HAYBALES & CRUSHED STONE AROUND ALL EXISTING CATCHBASINS ON THE SITE IN THE VICINITY OF THE PROPOSED WORK DURING CONSTRUCTION.
- 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.
- THE CONTRACTOR IS RESPONSIBLE FOR CLEANING-UP 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.
- IF A DRAINAGE OR RUN-OFF PROBLEM OCCURS DURING CONSTRUCTION, THE APPLICANT SHALL TAKE IMMEDIATE CORRECTIVE MEASURES.
- 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.
- AFTER THE VEGETATION IS ESTABLISHED AND THE GRADED SLOPES ARE STABLE, THE CONTRACTOR WILL REMOVE ALL THE TEMPORARY EROSION CONTROL BARRIERS.
- STUMPS SHALL BE REMOVED FROM THE SITE. NO STUMPS SHALL BE BURIED ON SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR CLEANING-UP 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.
- THE SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO THE START OF CONSTRUCTION ON THE SITE.
- 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.
- UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE IMMEDIATELY STABILIZED WITH A 4 TO 6 INCH LAYER OF LOAM AND SEED.



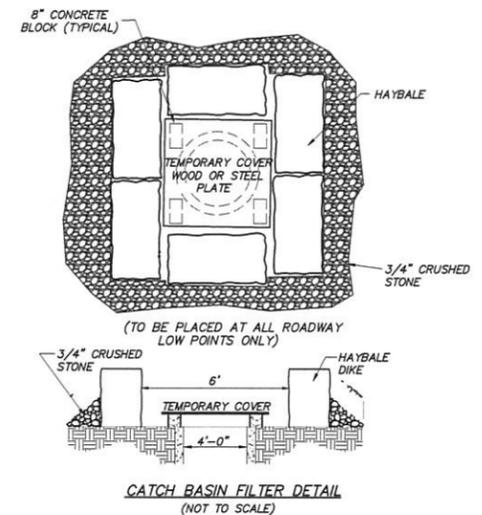
STRAW WATTLE DETAIL
NO SCALE

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

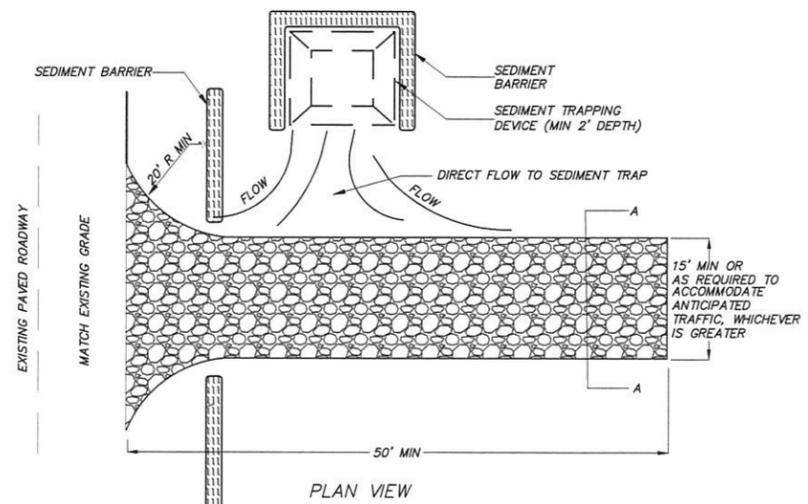


- BALES SHALL BE LAID IN A ROW - ENDS TIGHT TO ABUTTING BALES
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY (2) WOODEN STAKES (SEE DETAIL) DRIVEN THROUGH EACH BALE - THE FIRST TO BE ANGLED TOWARD THE PREVIOUSLY SET BALE TO DRAW BALE TIGHT.
- INSPECTIONS SHALL BE WEEKLY AND FOLLOWING STORMS, REPAIR AND/OR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

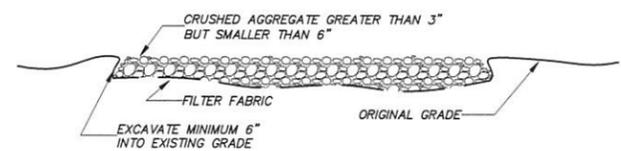
HAYBALE CHECKDAM
(NOT TO SCALE)



CATCH BASIN FILTER DETAIL
(NOT TO SCALE)



PLAN VIEW



SECTION A-A
CONSTRUCTION ENTRANCE DETAIL

#	DATE	REVISION COMMENT

EROSION AND SEDIMENT CONTROL PLAN
56 WINDSOR AVE
ACTON, MASSACHUSETTS

WESTCHESTER COMPANY
P.O. BOX 2236
ACTON, MASSACHUSETTS

360 MASSACHUSETTS AVE, SUITE 200
ACTON, MASSACHUSETTS 01720
P (978) 263-0430 F (978) 263-0447
www.MarkeyAndRubin.com

Markey & Rubin
CIVIL ENGINEERING

DATE: 06/01/13
COPYRIGHT 2013, MARKEY & RUBIN INC.