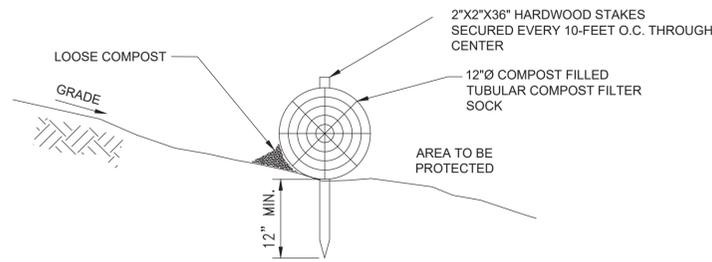


1 SILT FENCE INSTALLATION DETAIL
C-04 NOT TO SCALE

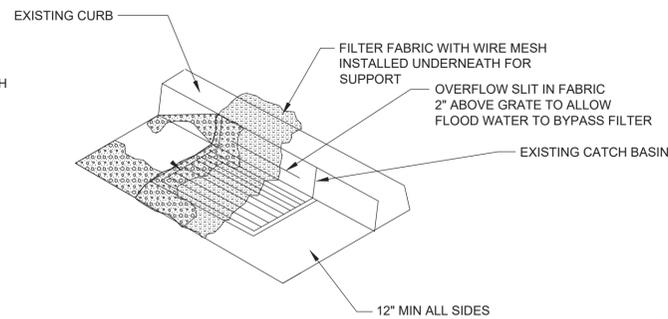
STANDARD PROCEDURES FOR THE INSTALLATION OF SILT FENCE:

1. THE SILT FENCE SHALL BE PLACED AS NECESSARY AT LOCATIONS AS DIRECTED BY THE ENGINEER OR BY TOWN AGENCIES HAVING JURISDICTION TO CONTROL THE MOVEMENT OF SEDIMENT. ALL SILT FENCE SHALL BE PLACED WITHIN THE EASEMENT.
2. AT THE TIME OF INSTALLATION, THE SILT FENCE SHALL BE REJECTED IF IT HAS DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE INCURRED DURING MANUFACTURE, TRANSPORTATION, OR STORAGE.
3. SILT FENCE SHALL BE INSTALLED FAR ENOUGH UP THE SLOPE SO THAT THE BOTTOM OF THE FENCE END IS HIGHER THAN THE TOP OF THE LOWEST PORTION OF THE FENCE.
4. MINIMUM LENGTH OF SILT FENCE IS 15 LF.
5. MAXIMUM POST SPACING IS 10 LF.
6. JOINTS ONLY AT SUPPORT POST WITH MINIMUM 6" OVERLAP AND SECURELY SEALED.
7. SEDIMENTATION DEPOSITS SHALL BE REMOVED WHEN IT REACHES ONE HALF THE HEIGHT OF THE SILT FENCE.
8. SILT FENCE SHALL NOT BE USED IN A WATER COURSE.
9. UPON ESTABLISHMENT OF GROUND COVER ON DISTURBED AREAS AND WHEN DIRECTED BY THE ENGINEER, FENCE WILL BE REMOVED AND ANY SEDIMENTATION WILL BE THINLY SPREAD UPON EXISTING GROUND OVER.
10. SILT FENCE SHALL BE INSPECTED BY CONTRACTOR WEEKLY AND FOLLOWING EACH STORM EVENT.



2 TUBULAR COMPOST FILTER SOCK DETAIL
C-04 NOT TO SCALE

- NOTES:**
1. TUBULAR COMPOST FILTER SOCK SHALL BE 100% BIODEGRADABLE

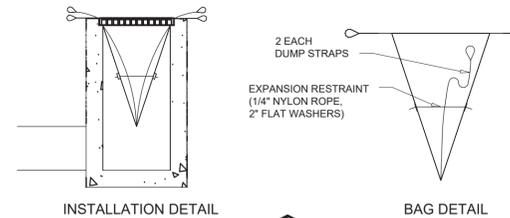


3 CATCH BASIN INLET FILTER DETAIL
C-04 NOT TO SCALE

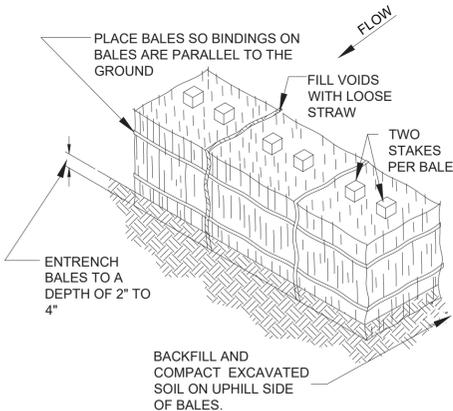
- NOTES:**
1. FILTER FABRIC AND WIRE MESH WITH 1/2" OPENINGS WILL BE PLACED OVER CURB INLET OPENING AND UNDER GRATE SO THAT AT LEAST 12 INCHES OF FABRIC AND WIRE MESH EXTENDS BEYOND ALL EDGES OF THE EXISTING CATCH BASIN.
 2. CONTRACTOR TO CLEAN FILTER FABRIC AND STONE AFTER EVERY STORM OR WHEN INLET BECOMES CLOGGED.
 3. FILTER FABRIC AND WIRE MESH TO BE INSTALLED IN SIMILAR FASHION FOR INLETS WITHOUT CURB OPENING OR WITHOUT GRATE.
 4. THE INLET FILTER WILL BE INSTALLED PRIOR TO ANY EXCAVATION AND WILL REMAIN UNTIL TEMPORARY PAVEMENT IS COMPLETED.
 5. OVERFLOW OPENING SHALL SAFELY PASS FLOWS GREATER THAN THE 1 YEAR, 24 HOUR STORM.
 6. INSTALL SILT SACK IN ALL CATCH BASINS WITHOUT A VERTICAL OPENING.

ENVIRONMENTAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION CONTROL DEVICES DURING CONSTRUCTION WHERE INDICATED ON THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE TOWN OR ENGINEER.
2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE APPROVED PLAN AND THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS, AND SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE (INCLUDING TREE CLEARING), AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED AND THEIR REMOVAL IS AUTHORIZED BY THE TOWN OR ENGINEER.
3. PRIOR TO ANY WORK BEING PERFORMED AT THE SITE, THE CONTRACTOR SHALL INFORM THE TOWN AND ENGINEER IN WRITING OF THE NAME, ADDRESS, BUSINESS, AND EMERGENCY PHONE NUMBERS OF THE PERSON(S) WHO WILL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL PLAN AND THESE CONDITIONS.
4. CONTRACTOR SHALL STAKE OUT LIMITS OF SELECTIVE CUTTING PRIOR TO STARTING WORK. CONTRACTOR SHALL CONTACT THE APPROPRIATE STATE AND/OR MUNICIPAL AGENCIES AND THE ENGINEER FOR FIELD INSPECTION OF LIMITS OF SELECTIVE CUTTING AND IDENTIFICATION OF ANY TREES TO REMAIN OR TO BE REMOVED PRIOR TO STARTING ANY SELECTIVE CUTTING.
5. SELECTIVE CUTTING INCLUDES THE REMOVAL AND DISPOSAL OF TREES, SHRUBS, VEGETATION AND LOGS. ROOT OR STUMP REMOVAL AND SOIL DISTURBANCE SHALL BE MINIMIZED.
6. CONTRACTOR SHALL MINIMIZE ANY ACTIVITIES LOCATED WITHIN THE DRIP LINES OF EXISTING TREES.
7. AT NO TIME SHALL SILT OR SEDIMENT BE ALLOWED BEYOND THE LIMIT OF WORK (EROSION CONTROLS). THE TOWN AND ENGINEER SHALL BE NOTIFIED WITHIN 24 HOURS IF ANY SILT OR SEDIMENT GOES BEYOND THE LIMIT OF WORK.
8. WORK ZONE WITH TRENCHES SHOULD BE PROTECTED FREE FROM RAINWATER FLOW INTO THE TRENCH FROM ALL DIRECTIONS. CONTRACTOR SHOULD HAVE AN IDEA OF RAINY AND SHOULD MAKE PRECAUTIONS BEFORE THE RAIN DAY.
9. ALL EROSION CONTROL AND SEDIMENTATION MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN TWENTY-FOUR (24) HOURS AFTER A STORM EVENT PRODUCING 0.5 INCHES OR MORE PRECIPITATION. COPIES OF THE WEEKLY STORMWATER MANAGEMENT
10. ALL TEMPORARY SEDIMENT CONTROLS SHALL BE CLEANED WHEN THE CAPACITY HAS BEEN REDUCED BY 50%. ALL DEBRIS IS TO BE REMOVED FROM SITE AND DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. NO DEBRIS IS TO REMAIN ON SITE. A CLEAN OUT ELEVATION SHALL BE IDENTIFIED ON A MARKER INSTALLED ON THE SITE. A DUMPSTER SHOULD BE CHOSED FOR SUITABLE DISPOSAL OF DEBRIS.
11. THE SITE SHALL BE GRADED AND MAINTAINED SO THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
12. STOCKPILES SHALL NOT BE LOCATED WITHIN 150 FEET OF A FLOODPLAIN, SLOPE, DRAINAGE FACILITY, OR ROADWAY AND SHOULD NOT BE LOCATED ON A PAVED SURFACE. HAYBALES, SILT FENCE, OR OTHER APPROVED METHOD SHALL BE PROPERLY ENTRENCHED AT THE BASE OF THE STOCKPILE.
13. PORTIONS OF THE WORK MAY FLOOD DURING DIFFERENT TIMES OF THE YEAR. CONTRACTOR SHALL COORDINATE THE WORK ACCORDINGLY.
14. WATER FROM DEWATERING OPERATIONS SHALL BE DISCHARGED INTO A DEWATERING BAG PRIOR TO A SURFACE WATER BODY.
15. PREVENTATIVE AND CONTAINMENT MEASURES SHALL BE TAKEN TO AVOID SPILLAGE AND RELEASE OF PETROLEUM PRODUCTS AND OTHER POLLUTANTS. IN THE EVENT OF ANY SPILLAGE, PROMPT REMEDIAL ACTION SHALL BE TAKEN IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
16. STORAGE OF EQUIPMENT, CONSTRUCTION MATERIAL OR EXCAVATION MATERIAL IS PROHIBITED IN REGULATED AREAS. CONTRACTOR SHALL PROVIDE AND MAINTAIN SPILL CONTAINMENT AND EROSION CONTROL AS DIRECTED BY THE ENGINEER OR PROVIDE A MINIMUM DISTANCE BETWEEN REGULATED AREAS AND CONTRACTOR STORAGE AREAS OF 200 FEET. REGULATED AREAS INCLUDE WETLANDS AND THE 100-YEAR FLOOD PLAIN.
17. EQUIPMENT FUELING SHALL BE PERFORMED WITHIN A SPILL CONTAINMENT AREA, OR AT A MINIMUM OF 200 FEET FROM REGULATED AREAS AS APPROVED BY THE ENGINEER OR AUTHORITY.
18. WHERE TREES THAT REMAIN MAY POSSIBLY BE DEFACED, BRUISED, INJURED OR DAMAGED BY THE CONTRACTOR'S EQUIPMENT OR OTHER OPERATIONS, ADEQUATE PROTECTION SHALL BE MADE AROUND THEM. MONUMENTS AND MARKERS SHALL BE PROTECTED SIMILARLY BEFORE BEGINNING OPERATIONS NEAR THEM. ANY TREES THAT ARE DAMAGED SHALL BE REPLACED IN-KIND, WHERE DIRECTED BY ENGINEER.
19. A STABILIZED CONSTRUCTION ACCESS SHALL BE INSTALLED WHEREVER AN EARTHEN ROAD INTERSECTS WITH A PAVED ROAD. DIMENSIONS SHALL BE IN ACCORDANCE WITH THE STATE EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS.
20. PAVED ROADWAYS SHALL BE KEPT CLEAN AT ALL TIMES. A MECHANICAL SWEEPER SHALL BE KEPT ON SITE AND USED AS REQUIRED.
21. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING, BE MULCHED WITH STRAW OR HAY AND TACKED, OR STABILIZED THROUGH THE USE OF OTHER APPROVED MEANS.
22. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUCH AS STEEP SLOPES, SANDY SOILS, OR WET CONDITIONS SUBJECT TO EROSION, SHALL BE STABILIZED.
23. PERMANENT VEGETATION SHALL BE ESTABLISHED ON EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. IF FINAL GRADING IS PERFORMED OUTSIDE THE GROWING SEASON, TEMPORARY STABILIZATION SHALL BE APPLIED AND MAINTAINED UNTIL PERMANENT VEGETATION CAN BE ESTABLISHED DURING THE FOLLOWING GROWING SEASON. SEED MIX AND VEGETATION SHALL BE IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS.
24. BEFORE DISCHARGE POINTS BECOME OPERATIONAL, ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED AS REQUIRED.
25. DURING AND AFTER CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND UPKEEP OF THE DRAINAGE STRUCTURES, VEGETATION COVER, AND ANY OTHER STORMWATER MEASURES DEEMED APPROPRIATE BY THE TOWN OR ENGINEER.
26. THE TOWN OR ENGINEER MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON SITE OR OFF SITE EROSION PROBLEMS DURING CONSTRUCTION.



4 SILTSACK DETAIL
C-04 NOT TO SCALE



5 HAY BALE INSTALLATION DETAIL
C-04 NOT TO SCALE

1. THE HAY BALES SHALL BE PLACED AS NECESSARY WHERE SHOWN ON THE CONTRACT DRAWINGS AND AS DIRECTED BY THE ENGINEER OR BY TOWN AGENCIES HAVING JURISDICTION TO CONTROL THE MOVEMENT OF SEDIMENT. ALL HAY BALES SHALL BE PLACED WITHIN THE EASEMENT.
2. BALES SHOULD BE ENTRENCHED 2 TO 4 INCHES AND TIGHTLY BUTTED TOGETHER. BALES CAN BE SUCCESSFULLY PLACED WITHOUT A TRENCH IF GOOD GROUND CONTACT IS MADE. REMOVE HEAVY BRUSH AND FILL ALL VOIDS WITH LOOSE STRAW.
3. HAY BALES SHALL BE INSTALLED FAR ENOUGH UP THE SLOPE SO THAT THE BOTTOM OF THE HAY BALES' END IS HIGHER THAN THE TOP OF THE LOWEST PORTION OF THE HAY BALES.
4. WHEN SEDIMENTATION DEPOSITS REACH WITHIN 3" OF THE TOP OF BALES, REMOVE SEDIMENTATION OR ADD ADDITIONAL BALES DIRECTLY BEHIND FIRST ROW OF BALES AS DIRECTED BY ENGINEER.
5. UPON ESTABLISHMENT OF GROUND COVER ON DISTURBED AREAS AND WHEN DIRECTED BY THE ENGINEER, HAY BALES WILL BE REMOVED AND USED AS MULCH. ANY SEDIMENTATION WILL BE THINLY SPREAD UPON ESTABLISHED GROUND COVER.
6. HAY BALES SHALL BE INSPECTED BY CONTRACTOR WEEKLY AND FOLLOWING EACH STORM EVENT.

SCALE(S) AS INDICATED	Professional Engineer's Name		100% PROGRESS DESIGN - NOT FOR CONSTRUCTION	 ARCADIS OF NEW YORK, INC.	CLARKSTOWN HIGHWAY GARAGE EXPANSION • CLARKSTOWN, NY		ARCADIS Project No. 30171703
	Professional Engineer's No.				Date: JUNE 2024		ARCADIS OF NEW YORK, INC. 201 FULLER ROAD SUITE 201 ALBANY, NY 12203
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		No.	Date	Revisions	By	Ckd	