

INSPECTION SCHEDULE & MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES

PERMANENT AND TEMPORARY VEGETATION:
INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE:
INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. REGRADE PAD AS NEEDED FOR RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE AS DIRECTED BY PROJECT ENGINEER.

CONSTRUCTION ENTRANCE, CONTAMINATED SOIL STOCKPILES AND DECONTAMINATION PAD-ADDITIONAL NOTES:
REMOVE SEVERAL INCHES OF SOIL FROM BENEATH ANY ON-SITE STOCKPILE, THE STABILIZED CONSTRUCTION ENTRANCE AND DECONTAMINATION PAD, IF NOT LOCATED ON TOP OF AN IMPERVIOUS SURFACE (I.E. ASPHALT, CONCRETE), WILL BE EXCAVATED FOR OFF-SITE DISPOSAL AT AN APPROVED FACILITY. STONE / AGGREGATE FOR THE DECONTAMINATION PAD AND STABILIZED CONSTRUCTION ENTRANCE MAY BE RE-USED ON-SITE IF IT WASHED IS OF SEDIMENT AND DEBRIS.

SILT FENCE:
INSPECT FOR DAMAGE EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO ONE-QUARTER THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

TOPSOIL STOCKPILE:
INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO ONE-QUARTER THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCKPILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

DUST CONTROL:
SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORKS. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

CHECK DAM:
INSPECT CHECK DAMS EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. IF SIGNIFICANT EROSION OCCURS BETWEEN STRUCTURES, A LINER OF STONE OR OTHER SUITABLE MATERIAL SHOULD BE INSTALLED IN THAT PORTION OF THE CHANNEL. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAM AS NEEDED TO ALLOW CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. REPLACE STONES AS NEEDED TO MAINTAIN THE DESIGN CROSS SECTION OF THE STRUCTURES. REMOVE CHECK DAMS AS PER APPROVAL OF THE PROJECT ENGINEER.

EROSION CONTROL BLANKET:
INSPECT THE BLANKET EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. REPLACE WIRE STAPLES AS REQUIRED. REPAIR AND RESEED WHERE CRACKS AND DAMAGED VEGETATION IS EVIDENT. WHEN DAMAGED BEYOND REPAIR OR NO LONGER FUNCTIONING, THE BLANKET SHALL BE REPLACED.

DEWATERING PITS:
INSPECT DAILY DURING OPERATION FOR CLOGGING OR OVERFLOW. CLEAR INLET AND DISCHARGE PIPES OF OBSTRUCTIONS. IF A FILTER MATERIAL BECOMES CLOGGED WITH SEDIMENT, PIT SHALL BE DISMANTLED AND NEW PITS SHALL BE CONSTRUCTED AS NEEDED.

CATCH BASINS:
ALL CATCH BASINS SHALL BE INSPECTED AFTER EACH STORM EVENT FOR SEDIMENT ACCUMULATION, AND DEBRIS, AND REMOVE AS NECESSARY. THE INLET PROTECTION SHALL BE INSPECTED FOR SEDIMENT ACCUMULATION AND REPLACED AS NECESSARY. WHEN SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN SUMP REACHES 1/2 OF THE SUMP DEPTH, IT SHALL BE REMOVED.

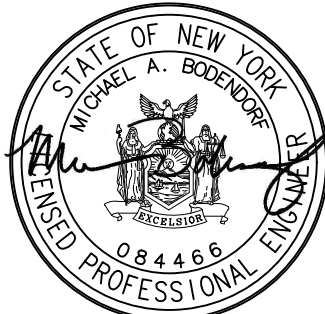
SOIL RESTORATION NOTES:
1. THE CONTRACTOR SHALL EMPLOY SOIL RESTORATION TO ALL DISTURBED AREAS THAT WILL REMAIN LANDSCAPED.
2. FOR LIGHT TRAFFIC AREAS AROUND THE EXCAVATION AREAS, SOIL RESTORATION MAY BE ACCOMPLISHED BY MEANS OF TILLING THE SOIL WITH A DISK TYPE TILLER, OR SPIKE ROLLER PULLED BY A TRACTOR AND PLACEMENT OF TOPSOIL OVER THE EXISTING SOIL A.O.B.E.

CONSTRUCTION SEQUENCE:
DISTURBANCE AREA = 0.91 AC.
1. SCHEDULE A PRE-CONSTRUCTION MEETING WHICH SHALL INCLUDE THE TOWN MS4 OFFICER, OWNER OR OWNER'S REPRESENTATIVE, PROJECT ENGINEER, CONTRACTOR AND SUBCONTRACTORS (IF NECESSARY) WHO ARE TO PERFORM THE CONSTRUCTION.
2. ESTABLISH THE LIMIT OF DISTURBANCE FOR PROPOSED CLEARING AND GRADING ASSOCIATED WITH THE PROPOSED INTERNAL TRAVEL-WAYS SURROUNDING THE REMEDIATION/EXCAVATION AREAS, BORROW PIT AND PROPOSED SOIL STOCKPILE AREAS.
3. CUT WEEDS GROWING WITHIN EXISTING CONSTRUCTION ENTRANCE.
4. INSTALL PERIMETER SILT FENCE AS DEPICTED ON THIS PLAN.
5. PRIOR TO FURTHER CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER TO CONDUCT A PRE-CONSTRUCTION SITE ASSESSMENT TO VERIFY THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN HAVE BEEN ADEQUATELY INSTALLED ENSURING OVERALL PREPAREDNESS OF THIS SITE FOR THE COMMENCEMENT OF CONSTRUCTION.
6. MOVE EXISTING STONE PILE TO THE LOCATION DESIGNATED ON THIS PLAN.
7. CONSTRUCT DIVERSION SWALE AND FLOW DIFFUSER.
8. REMEDIATION AND EXCAVATION WORK TO BE DONE ON DRY DAYS ONLY.
9. BEGIN REMEDIATION WORK BY REMOVING SOIL FROM ONE AREA AT A TIME AND STOCKPILE CONTAMINATED SOIL IN THE AREAS DESIGNATED ON THIS PLAN.
10. CONTAMINATED STOCKPILES TO BE COVERED WITH 6 MIL IMPERMEABLE BARRIERS HELD DOWN WITH SAND BAGS AT THE END OF EACH WORK DAY.
11. BACKFILL EXCAVATED AREAS IMMEDIATELY AFTER THE ENVIRONMENTAL SITE MONITOR PERMITS THE AREA TO BE FILLED. PREVENT WATER FROM ENTERING THE EXCAVATED AREA.
12. BEGIN WORK IN OTHER REMEDIATION EXCAVATION AREAS WHEN THE FIRST AREA IS COMPLETE. EXCAVATION AREAS WILL BE SHROUDED WITH TARPS AND SURROUNDED BY CHAIN LINK FENCING.
13. CONTAMINATED SOIL SHALL ONLY HAULED OFF THE SITE ON DRY DAYS. THE AREA FOR HAUL TRUCKS TO MANEUVER SHALL BE CLEANED OF CONTAMINATED SOIL PRIOR TO USE TO MINIMIZE CONTAMINATED SOIL ON THE HAUL TRUCKS.
14. DECONTAMINATION SHALL BE ACCOMPLISHED BY BRUSHING OFF SOIL COLLECTED IN THE TRUCK TIRES ON DRY DAYS WITHIN THE DECONTAMINATION PAD. THE PAD WITH SUMP DETAIL IS ONLY TO BE USED IF THE SOIL IS WET AND CANNOT BE REMOVED BY BRUSHES AND/OR BROOMS.
15. DECONTAMINATION PAD TO BE CLEANED OF ANY CONTAMINATED SOIL AT THE END OF EACH DAY WHILE HAULING OFFSITE IS TAKING PLACE. CONTAMINATED SOIL TO BE PLACED IN AN APPROPRIATE CONTAMINATED SOIL STOCKPILE.
16. SEED AND MULCH DISTURBED AREAS THAT ARE NOT PAVED AREAS.

EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION CONTROL MEASURES EMPLOYED DURING THE CONSTRUCTION PROCESS SHALL BE INSPECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE MAINTENANCE SCHEDULE PROVIDED ON THIS SHEET. ALL EROSION CONTROL STRUCTURES SHALL BE REPAIRED AND MAINTAINED AS NECESSARY BY THE CONTRACTOR.
2. ALL STORMWATER MANAGEMENT STRUCTURES (E.G., SWALES, CULVERTS) SHALL BE REGULARLY INSPECTED FOR SEDIMENT ACCUMULATIONS. SEDIMENT AND TRASH SHALL BE REMOVED, AS NECESSARY.
3. ALL EROSION CONTROL INSTALLATION AND MAINTENANCE MEASURES SHALL MEET THE REQUIREMENTS OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
4. ANY PILE OF POTENTIALLY EROSION MATERIAL TEMPORARILY STOCKPILED ON THE SITE DURING THE CONSTRUCTION PROCESS SHALL BE LOCATED IN AN AREA AWAY FROM STORM DRAINAGE AND SHALL BE PROPERLY PROTECTED FROM EROSION BY A SURROUNDING SILT FENCE.
5. PERMANENT SEEDS AREAS FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH DETAIL AND SPECIFICATIONS ON THE DETAIL SHEET.
6. AREAS UNDERGOING CLEARING OR GRADING AND WHERE WORK IS DELAYED OR COMPLETED AND WILL NOT BE REDISTURBED FOR A PERIOD OF 14 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT VEGETATIVE COVER WITHIN 14 DAYS, WITH INITIATION OF STABILIZATION STARTING BY THE END OF THE NEXT BUSINESS DAY.
7. ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY STANDARD METHODS OF LIGHTLY WATERING ALL EXPOSED SOIL AND RAPIDLY STABILIZING THE REGRADED AREAS WITH TOPSOIL, LOAM AND/OR SEEDING. OTHER METHODS OF DUST CONTROL MAY BE IN THE FORM OF MINIMIZING SOIL DISTURBANCE, APPLICATION OF WIND BREAKS, AND HYDROSEEDING.
8. THE CONSTRUCTION ENTRANCE IS AN ESSENTIAL ELEMENT FOR SEDIMENT CONTROL. ALL CONSTRUCTION VEHICLES LEAVING THE SITE SHALL UTILIZE THE CONSTRUCTION ENTRANCE TRACKING PAD TO MINIMIZE SEDIMENT TRANSPORT OFFSITE. ADDITIONAL MEASURES MAY BE REQUIRED A.O.B.E., SUCH AS TRUCK WASH STATIONS AND PERIODIC STREET SWEEPING OUTSIDE OR IN FINISHED AREAS WITHIN THE SITE.
9. THE PROJECT ENGINEER SHALL BE NOTIFIED NO LESS THAN 48 HOURS PRIOR TO THE START OF ANY SITE WORK, AND BY SUCH NOTIFICATION, SHALL BE PROVIDED WITH THE NAME AND TELEPHONE NUMBER OF THE GENERAL CONTRACTOR RESPONSIBLE FOR SUCH WORK.
10. THE CITY AND/OR NYSDEC MAY INSPECT EROSION AND SEDIMENT CONTROL PRACTICES ON THE SITE DURING CONSTRUCTION AND RECOMMEND THAT THE CONTRACTOR INSTALL ADDITIONAL EROSION CONTROL MEASURES IF DEMED NECESSARY TO PROTECT ANY UNDISTURBED AREAS OF THE SITE. ANY SUCH REQUESTS SHALL BE MADE DIRECTLY TO THE CONTRACTOR AND QUALIFIED PROFESSIONAL AND FOLLOWED UP WITH A WRITTEN NOTIFICATION TO THE DEVELOPER. IN ADDITION, THE CITY SHALL BE CONSULTED ON ANY SPECIAL ADDITIONS OR DELETIONS OF EROSION CONTROL MEASURES WARRANTED BY CHANGING FIELD CONDITIONS.
11. THE CONTRACTOR/OWNER SHALL MAINTAIN A RECORD OF ALL EROSION AND SEDIMENT CONTROL INSPECTION REPORTS AT THE SITE IN A LOG BOOK. THE SITE LOG BOOK SHALL BE MAINTAINED ON SITE AND BE MADE AVAILABLE TO THE PERMITTING AUTHORITY. THE OWNER/CONTRACTOR SHALL, ON A MONTHLY BASIS, POST AT THE SITE A SUMMARY OF THE SITE INSPECTION ACTIVITIES IN A PUBLICLY ACCESSIBLE LOCATION.
12. IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT A DEWATERING PIT IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (AKA SUMP PIT) TO FILTER WATER FOR PUMPING TO AN ON-SITE FRAC TANK. GROUNDWATER WILL BE APPROPRIATELY CHARACTERIZED AND DISPOSED OF IN ACCORDANCE WITH THE RAMP.
13. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED PER THE APPROVAL OF THE TOWN AND QUALIFIED PROFESSIONAL. ANY SEDIMENT ACCUMULATED WILL BE STOCKPILED ON-SITE IN ACCORDANCE WITH THE RAMP. SOILS WILL BE APPROPRIATELY CHARACTERIZED FOR OFF-SITE DISPOSAL.
14. UPON COMPLETION OF CONSTRUCTION, THE PARCEL OWNER(S) SHALL BE RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM. THE STORMWATER MANAGEMENT SYSTEM SHALL BE INSPECTED QUARTERLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT. THE OWNER(S) SHALL MAINTAIN A RECORD OF INSPECTION AND MAINTENANCE REPORTS AT THE SITE.

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SEAL

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EROSION & SEDIMENT CONTROL PLAN

555 SOUTH AVE

555 SOUTH AVENUE
CITY OF BEACON
DUTCHESS COUNTY, NEW YORK
TAX ID: 5954-16-751258

JOB #: 2016-027

DATE: 1/25/2024

SCALE: 1" = 40'

TITLE: ESC-1

SHEET: 1 OF 2

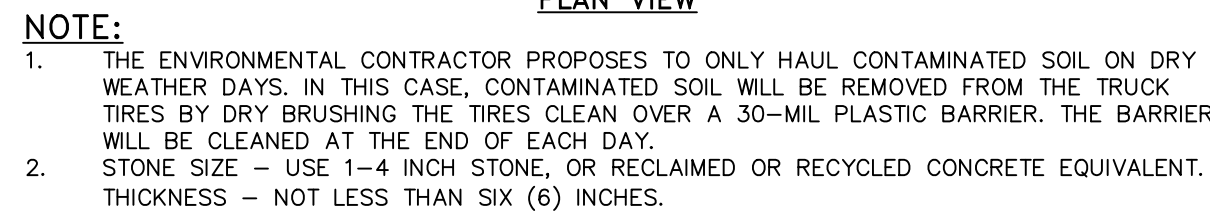


Diagram illustrating the required tarping for stockpiled soils. The stockpile is covered with a 6-mil poly tarp (or approved equivalent). The tarp is secured with sand bags and must extend at least 1 foot beyond the limits of the stockpile. The ground beneath the tarp is covered with 8 oz / yd² non-woven geotextile.

Diagram illustrating the components and dimensions of a wellpoint system:

- WOVEN WIRE FENCE (MIN. 14 GAUGE W/ MAX. 6" MESH SPACING) FASTENED TO POSTS WITH WIRE TIES OR STAPLES
- MAX. 10' O.C.
- 16" MIN. HEIGHT OF FILTER
- 6" MIN.
- GROUND
- 36" MIN. LENGTH FENCE POSTS DRIVEN MIN. 16" INTO GROUND
- FLOW

Diagram illustrating the Section View of a Filter Cloth Installation:

- Woven wire fence (min. 14. 1/2 gauge w/ max. 6" mesh spacing) with filter cloth.
- 36" min. fence post, hardwood or steel either "T" or "U" type.
- 20" min. vertical distance from the top of the fence post to the top of the filter cloth.
- Flow direction indicated by an arrow pointing left.
- Compacted soil on the left side of the fence.
- Undisturbed ground on the right side of the fence.
- Embed filter cloth a min. 6" in ground.
- 4" horizontal distance from the fence post to the start of the embedded filter cloth.
- 16" min. vertical distance from the bottom of the fence post to the bottom of the filter cloth.
- Section View label at the bottom.

NOTES:

NOTES: SECTION VIEW

1. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFIX 100X, STABILINKA T140N OR APPROVED EQUAL.
3. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE OR APPROVED EQUAL.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

2
1 SLOPE OR LESS

MIN. SLOPE

SILT FENCE (SEE INSTALLATION DETAIL THIS SHEET)

MIN. SLOPE

NOTES:

- NOTES:

1. 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.

50' MINIMUM OR
ENTIRE DRIVEWAY LENGTH
IF LESS THAN 50'

EXISTING GROUND

EXISTING PAVEMENT

10' MIN.

12' MIN.

PLAN VIEW

PLAN VIEW

- NOTES:

1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. THICKNESS - NOT LESS THAN SIX (6) INCHES.
3. DRAINAGE - THE DRAINAGE SHALL BE DESIGNED TO NOT ALLOW THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS, 24 FOOT MINIMUM IF SINGLE ENTRANCE TO SITE.
4. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
5. WATER MANAGEMENT - THE DRAINAGE WATER SHALL BE COLLECTED IN A DRAINAGE STRUCTURE. THE ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF LOOSING OF SEDIMENT OR PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP SEDIMENT, ALL SEDIMENT SHALL BE PROPERLY WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
7. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND MULCHING SHALL BE DONE IMMEDIATELY THEREAFTER.
8. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

W (VARIES)

VEGETATED RECEIVING AREA 30% MAXIMUM

150' MIN.

96

97

98

99

100

101

102

DITCH SIDE SLOPE

DITCH BOTTOM

ROADWAY

6" ADDITIONAL BERM HEIGHT AT BOTH ENDS OF THE FLOW DIFFUSER TO PREVENT WASHOUT AT ENDS

POOLING AREA AND DEBRIS COLLECTION

DIVERSION SWALE

EXISTING DRAINAGE PATTERN (TYP.)

DRAINAGE FABRIC, EXTEND UNDER LIMITS OF FILL ON ENDS

Diagram Description: This technical drawing illustrates a ditch cross-section and its plan view. The cross-section (top) shows a ditch with a vegetated receiving area (30% maximum) and a width 'W (VARIES)'. A 150' minimum length is indicated. The plan view (bottom) shows the ditch's layout relative to a roadway, including a diversion swale, pooling area, and debris collection. Elevation markers (96, 97, 98, 99, 100, 101, 102) are shown along the ditch side slope and bottom. A flow diffuser is shown with a 6" additional berm height at both ends to prevent washout. The existing drainage pattern is shown as a dashed line.

FLOW DIFFUSER LENGTH MEASURED TO THIS POINT AT EACH END

6°

NATIVE MATERIAL

DRAINAGE FABRIC

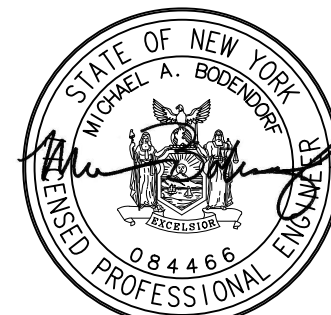
Diagram illustrating the stormwater ponding area and drainage fabric specifications:

- ROCK SIZE = VARIES (TYP. 6" OR LESS WITH MAX 9")**
- 2'** (width of rock layer)
- 6" MIN.** (minimum depth of rock layer)
- 1'** (depth of drainage fabric)
- 6"** (width of drainage fabric)
- 3" AVERAGE** (average thickness of drainage fabric)
- 1' MIN.** (minimum depth of stormwater conveyance area)
- EXISTING GROUND**
- STORMWATER CONVEYANCE TO DIFFUSER PONDING AREA**
- DRAINAGE FABRIC**

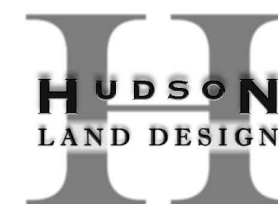
SECTION VIEW A-A

- NOTE:**
1. TYPICAL ELEVATIONS SHOWN HERE ARE TO ILLUSTRATE THE OPERATION OF THE FLOW DIFFUSER.

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NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY



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