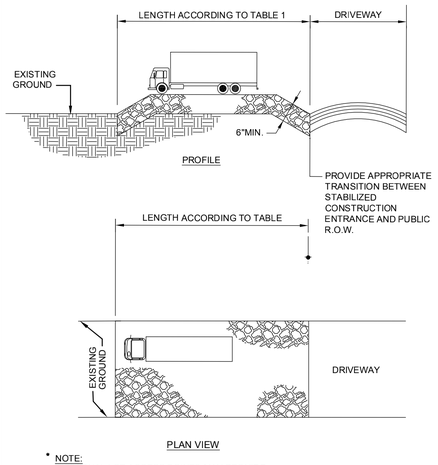


* NOTE:
INDIVIDUAL LOT ACCESS POINTS MAY REQUIRE STABILIZATION. THICKNESS SHOWN IS FOR STONE CONSTRUCTION ENTRANCES ONLY (TYP.).

DESIGN CRITERIA:

1. STONE SIZE - NYSDOT SIZE DESIGNATION #3 USE CLEAN CRUSHED ANGULAR STONE. CRUSHED CONCRETE OF SIMILAR SIZE MAY BE SUBSTITUTED BUT WILL REQUIRE MORE FREQUENT UPGRADING AND MAINTENANCE.
2. THICKNESS-NOT LESS THAN SIX (6) INCHES.
3. GEOTEXTILE - NYSDOT STRENGTH CLASS I
4. WIDTH-NOT LESS THAN FULL WIDTH OF POINTS OF INGRESS OR EGRESS.
5. LENGTH-50 FEET MINIMUM WHERE THE SOILS ARE COURSE GRAINED (SANDS OR GRAVEL) OR 100 FEET MINIMUM WHERE SOILS ARE FINE GRAINED (CLAYS OR SILTS), EXCEPT WHERE TRAVELED LENGTH IS LESS THAN 50 OR 100 FEET RESPECTIVELY. THESE LENGTHS MAY BE INCREASED WHERE FIELD CONDITIONS DICTATE. STORMWATER FROM UP-SLOPE AREAS SHALL BE DIVERTED AWAY FROM WHERE DIVERSION IS NOT POSSIBLE. THE LENGTH OF THE STABILIZED PAD BE AS SHOWN IN TABLE BELOW. WHERE THE SLOPE OF THE ACCESS ROAD EXCEEDS 5%, OR FOR USE AT POORLY DRAINED LOCATIONS, SUBSURFACE DRAINAGE GRAVEL FILTER OR GEOTEXTILE SHALL BE INSTALLED BEFORE INSTALLING THE STABILIZED CONSTRUCTION ENTRANCE.

TABLE 1
LENGTHS OF CONSTRUCTION EXITS ON SLOPING ROADBEDS

	LENGTH OF STONE AREA REQUIRED	
PERCENT SLOPE OF ROADWAY	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 ft.	100 ft.
2 TO 5%	100 ft.	200 ft.
> 5%	ENTIRE SURFACE STABILIZED WITH FABC BASE COURSE	

MAINTENANCE:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.
2. USE WHERE ACCUMULATION OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACES. ALL OTHER ACCESS POINTS WHICH ARE NOT STABILIZED SHALL BE BLOCKED OFF.

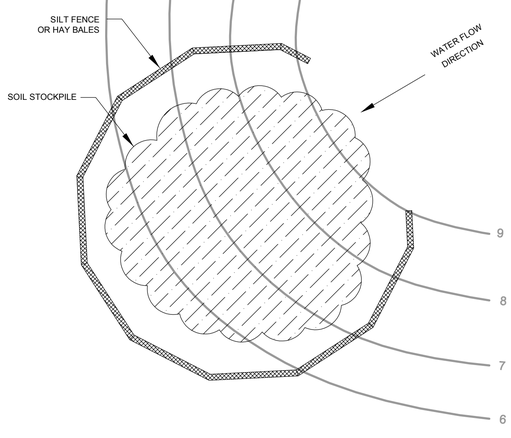
STABILIZED CONSTRUCTION ACCESS

DETAIL 1 / C-101

N.T.S.

SOIL EROSION AND SEDIMENT CONTROL NOTES :

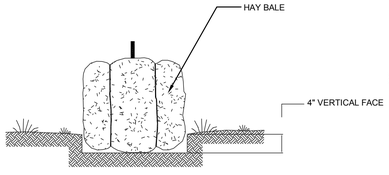
1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ANY DISTURBED AREAS (INCLUDING SOIL STOCKPILES) THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE OR IN ACCORDANCE STATE AND LOCAL STANDARDS. THE SEED MIXTURE SHALL BE MEET THE NYSSESC SEED MIX #6 FOR "STANDARDS AND SPECIFICATIONS FOR PERMANENT CRITICAL AREA PLANTING."
3. ALL WORK TO BE DONE IN ACCORDANCE WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS.
4. ANY CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLANS SHALL REQUIRE APPROPRIATE APPROVALS BY NATIONAL GRID. THE REVISED PLANS MUST MEET THE CURRENT NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS.
5. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS SHALL BE REMOVED IMMEDIATELY.



EROSION CONTROL AT STOCKPILE AREA

DETAIL 4 / C-101

N.T.S.

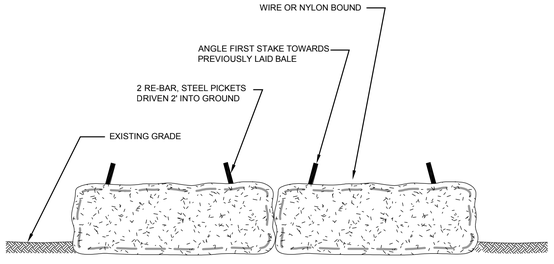


FRONT VIEW

HAY BALE DETAILS

DETAIL 5 / C-101

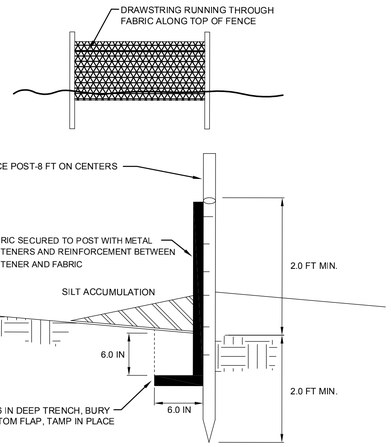
N.T.S.



SIDE VIEW

CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARDS THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLACK OR IMPEDE STORM FLOW OR DRAINAGE.



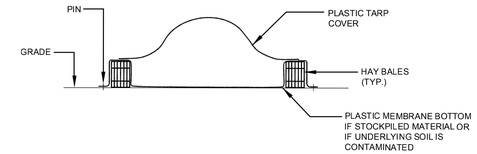
SILT FENCE CONSTRUCTION AND INSTALLATION DETAIL

DETAIL 2 / C-101

N.T.S.

CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. 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, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICTED UNITS SHALLL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



TYPICAL SOIL STOCKPILE AREA CROSS-SECTION

DETAIL 3 / C-101

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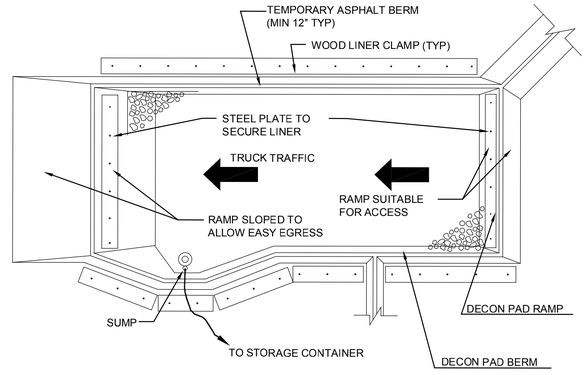
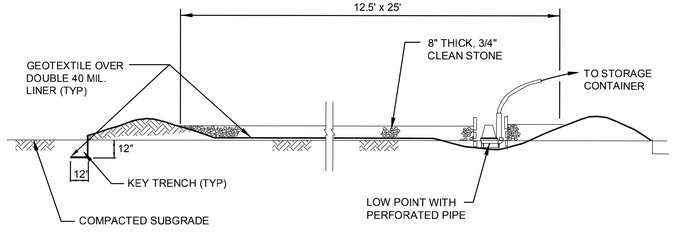


TYPICAL DECONTAMINATION PAD CROSS SECTION



TYPICAL DECONTAMINATION PAD

DETAIL 6 / C-101

N.T.S.

Brown AND Caldwell
ASSOCIATES
ALLENDALE, NEW JERSEY
N.J. C.A. 24GA28043100

SUBMITTED: KEITH BOGATCH, PROJECT MANAGER — DATE: 11-7-2011
APPROVED: JEFF CAPUTI, BROWN AND CALDWELL — DATE: 11-7-2011

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: PP
DRAWN: RJ
CHECKED: KB
CHECKED:
APPROVED: JC

EXTERNAL REFERENCE FILES: 138893-G-001.dwg

JEFFREY R. CAPUTI
PROFESSIONAL ENGINEER
N.Y. LICENSE NO. 048454E
DATE

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

NATIONAL GRID

PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

UTILITY CORRIDOR WORK PLAN

SOIL EROSION DETAILS AND NOTES

FILENAME

BC PROJECT NUMBER 138893.420

CLIENT PROJECT NUMBER

DRAWING NUMBER C-101

SHEET NUMBER 2 OF 3

Jan 09, 2012 - 4:54pm rjimnes
P:\National_Grid\Patchogue\138893-Utility Corridor\Work Plan\CADD\2-SHEETS\C-CIVIL\138893-C-101.dwg