

TO BE USED WHERE TOPSOIL PRESERVATION IS NECESSARY FOR REGRADING AND VEGETATING DISTURBED AREAS. TOPSOIL IS APPLIED TO SUBSOILS THAT ARE DROUGHTY (HAVING LOW AVAILABLE MOISTURE FOR PLANTS), STONY, SALTY, HAVE LOW PERMEABILITY, OR ARE EXTREMELY ACID. IT IS ALSO USED TO BACKFILL AROUND SHRUB AND TREE TRANSPLANTS. PRESERVATION OF EXISTING TOPSOIL IS BENEFICIAL FOR ALL TYPES OF LAWN OR ORNAMENTAL PLANTINGS.

TEMPORARY STOCKPILE STABILIZATION MEASURES INCLUDE VEGETATIVE COVER, MULCH, NON- VEGETATIVE COVER, AND PERIPHERAL SEDIMENT TRAPPING BARRIERS. THE STABILIZATION MEASURE(S) SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, AND REQUIRED DURATION OF USE.

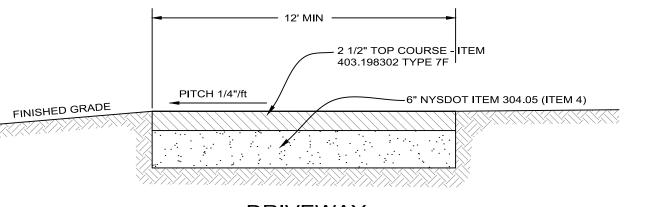
INSTALLATION NOTES

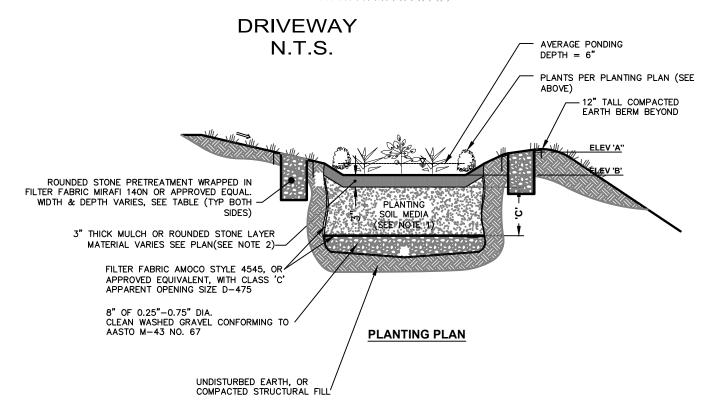
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND

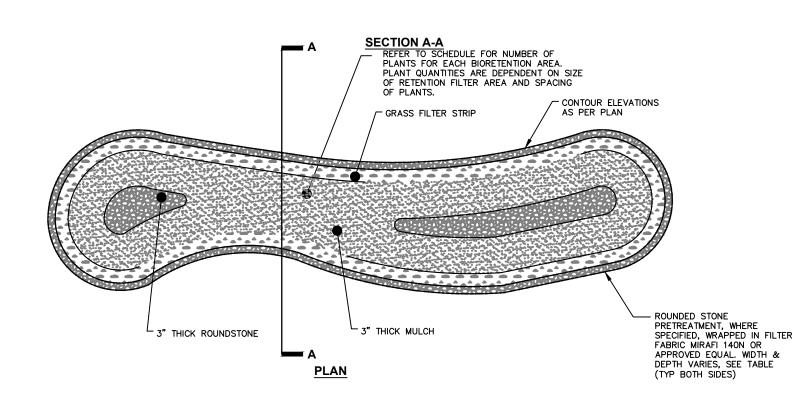
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.

3. UPON COMPLETION OF SOIL STOCKPILING. EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.

> SOIL STOCKPILING N.T.S.







1-FRONT | 1-REAR |

1. SIGNS, MASONRY, CONCRETE, STONE WALLS, FENCES, BUSHES, PLANTING AND/OR TREES ARE NOT ALLOWED WITHIN RIGHT-OF-WAY. MASONRY/STEEL MAILBOX STRUCTURES WILL NOT BE PERMITTED. WOODEN MAILBOX POSTS ARE RECOMMENDED. A STANDARD U.S. MAILBOX SHALL BE UTILIZED. 2. THE APPLICANT IS REQUIRED TO CONTACT THE TOWN OF CORTLANDT

1. ALL TREES TO BE REMOVED SHALL BE TAGGED BY THE APPLICANT AND

INSPECTED BY THE TOWN OF CORTLANDT PRIOR TO CUTTING AND A

2. ALL PROPOSED OR DISTURBED SLOPES 3:1 OR GREATER SHALL BE

HIGHWAY DEPARTMENT REGARDING UTILITY PERMITS AND MODULAR HOME TRANSPORT. NOTE: THE PROPOSED ROUTE OF THE MODULAR HOME MUST BE PROVIDED TO AND APPROVED BY THE TOWN OF CORTLANDT BEFORE A BUILDING PERMIT IS ISSUED.

3. WHEN NECESSARY, PERMITTEE IS TO ESTABLISH A WORK ZONE, SUPPLY AND MAINTAIN APPROPRIATE SIGNS, CONES, LIGHTS & FLAG PEOPLE IN ACCORDANCE WITH SECTION 104 OF THE HIGHWAY LAW. 4. ROAD CLOSURES ARE NOT ALLOWED.

5. STONE CURBS ARE THE OWNER'S RESPONSIBILITY TO MAINTAIN. 6. OVERNIGHT EXCAVATIONS WILL NOT BE PERMITTED.

CONSTRUCTION NOTES

STABILIZED BY AN EROSION CONTROL BLANKET.

BUILDING PERMIT BEING ISSUED.

GENERAL NOTES

7. TOPOGRAPHIC DATA USED IN THE PRPARATION OF THIS PLAN WAS OBTAINED FROM THE SUBDIVISION IMPROVEMENT PLANS PREPARED BY INSITE ENGINEERING, P.C.

8. THE INFORMATION SHOWN ON THIS PLAN IS CONSISTENT WITH THE PROPOSED HOUSE PLANS.

9. A MINIMUM 10 FOOT SEPARATION SHALL BE PROVIDED BETWEEN THE WATER SERVICE AND ALL OTHER UTILITIES.

10. LEADER AND FOOTING DRAINS SHALL BE SEPARATE PIPES. 11. THE EXISTING SEPTIC SYSTEM SHALL BE ABANDONED IN ACCORDANCE WITH THE WCHD RULES AND REGULATIONS.

12. THE ENGINEER SHALL SUBMIT A CERTIFICATION LETTER TO THE TOWN AT THE COMPLETION OF CONSTRUCTION THAT THE DRAINAGE/ RUNOFF WILL NOT CAUSE AN ADVERSE IMPACT ON THE ADJOINING PROPERTIES. 13. AN AS-BUILT SURVEY SHALL BE SUBMITTED AT THE COMPLETION OF

CONSTRUCTION. 14. THE AREAS WITHIN THE SIGHT DISTANCE LINES SHALL BE MAINTAINED

CLEAR BY THE PROPERTY OWNER(S). 15. THE TOPOGRAPHIC INFORMATION SHOWN ON THE SITE PLAN SHALL BE FIELD VERIFIED BY DONNELLY LAND SURVEYING, P.C.

16. IF FILL OR RECYCLED MATERIAL IS REQUIRED FOR CONSTRUCTION, THE REQUIRED TESTING AND CERTIFICATION LETTERS ON THE FILL/RECYCLED MATERIAL SHALL BE SUBMITTED TO THE TOWN PRIOR TO PLACING THE MATERIAL. CONTACT THE TOWN OF CORTLANDT ENGINEERING DEPARTMENT FOR THE REQUIREMENTS FOR TESTING AND CERTIFICATIONS.

WATER SUPPLY NOTES

1. THE CONTRACTOR SHALL CALL IN A "CODE 53" PRIOR TO EXCAVATION FOR THE WATER SERVICE CONNECTION INSTALLATION.

2. NO ROCK IS TO PROJECT WITHIN THE SURFACE OF THE TRENCH AND PIPE SHALL HAVE A MINIMUM CLEARANCE OF 6" TO ALL ROCK.

3. 6" BEDDING OF TAMPED SAND SHALL BE USED IN ALL ROCK CONDITIONS.

4. UNSUITABLE MATERIAL EXCAVATED FROM THE TRENCH SHALL NOT BE ALLOWED AS BACKFILL AND SHALL BE REPLACED BY SUITABLE MATERIAL APPROVED BY THE ENGINEER.

5. SUITABLE MATERIAL SHALL BE AT THE DISCRETION OF THE TOWN OF CORTLANDT.

6. PROPOSED WATER SERVICE SHALL BE 1" TYPE K COPPER.

7. SHEETING AND BRACING ARE REQUIRED FOR ALL TRENCHES EXCEEDING 5' IN DEPTH.

8. THERE SHALL BE A MINIMUM VERTICAL SEPARATION OF 18" FROM ANY

STORM OR SANITARY PIPE TO ANY WATER SERVICE LINE. 9. ALL VALVES FITTINGS METERS AND APPURTENANCES SHALL CONFORM TO AWWA STANDARD C500-87, WCDOH, AND THE TOWN OF CORTLANDT

10. A MINIMUM OF 4' OF COVER SHALL BE PROVIDED OVER ALL WATER

11. THRUST BLOCKS IF ANY, SHALL BE AS DIRECTED BY THE ENGINEER.

SOIL COMPOSITION: SOIL WILL BE FREE OF STONES, STUMPS, ROOTS, OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER. PLACE PLANTING SOIL IN 12" LIFTS, LOOSELY COMPACTED (USE LIGHT EQUIPMENT SUCH AS COMPACT LOADER OR DOZER/LOADER WITH MARSH TRACKS). DO NOT USE HEAVY EQUIPMENT WITHIN BIORETENTION AREAS. THE SOIL SHALL HAVE A PERMEABILITY OF AT LEAST 0.5 INCH PER HOUR. * SAND SUBSTITUTION SUCH AS DIABASE, GRAYSTONE #10, OR ROCK DUST ARE NOT ACCEPTABLE. NO CALCIUM CARBONATE OR DOLOMITIC SAND SUBSTITUTIONS ARE ACCEPTABLE. MULCH: SINGLE OR DOUBLE SHREDDED, WELL COMPOSTED, UNCOLORED HARDWOOD MULCH AGED 6 MONTHS.

3. SOIL FOR EACH BIORETENTION AREA SHALL MEET THE FOLLOWING CRITERIA:

(HIGHER PH), OR WITH WITH IRON SULFATE PLUS SULFUR (LOWER PH).

LIANCE' SERVICEBERRY | 8'-10' HT(B&B)

COMMON NAME

RNBEAM

OGWOOD

VIBURNUM

NINEBARK

H GRASS

'WINTER RED'

PH RANGE** 5.2 - 7.0 ORGANIC MATTER 1.5-4% MAGNESIUM 35 LBS/ACRE 75 LBS/ACRE PHOSPHOROUS POTASSIUM 85 LBS/ACRE
SOLUBLE SALTS NOT TO EXCEED 500 PPM

** IF PH FALLS OUT OF ACCEPTABLE RANGE, PH OF SOIL MAY BE MODIFIED WITH LIME

SIZE

2.5"-3" CAL

3'-4' HT(B&B)

4-5' HT(B&B) 3'-4' HT(B&B) 3'-4' HT(B&B)

3'-4' HT(B&B)

4-5' HT(B&B)

2 CONT

2 CONT

PLANT SCHEDULE FOR BIORETENTION AREAS

CP BN CS	CARPUNIS CAROLINIANA BETULA NIGRA	AMERICAN HO
		RIVER BIRCH
CS		
cs		
	CORNUS SERICEA	RED-OSIER D
VD	VIBURNUM DENTATUM	ARROWWOOD
IG	ILEX GLABRA	INKBERRY
IT	ITEA VIRGINICA	VIRGINIA SWEE
PO	PHYSOCARPUS OPULIFOLIUS	SUMMERWINE
IV	ILEX VERTICILLATA 'WINTER RED'	WINTERBERRY
BB	ANDROPOGON GERARDII	BIG BLUE STE
PV	PANICUM VIRGATUM 'SQUAW'	SQUAW SWITC
	IG IT PO IV	IG ILEX GLABRA IT ITEA VIRGINICA PO PHYSOCARPUS OPULIFOLIUS IV ILEX VERTICILLATA 'WINTER RED' BB ANDROPOGON GERARDII

SYMBOL BOTANICAL NAME

ELEVATION DEPTH BIORETENTION **BIORETENTION AREA** 'C' 'B' 1A-FRONT 2.5' 481.5 480.5 330 SF 1B-REAR 2.5' 483.5 482.5 600 SF

MINIMUM

ROUNDED STONE DIAPHRAM				
BIORETENTION PRACTICE #	'D'(FT)	'W'(FT)	'L'(FT)	
1A-FRONT	3 FT	2 FT	87 FT	
1B-REAR	3 FT	2 FT	100 FT	

BIORETENTION DETAIL (NTS)

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

SPACING

CLEAN—OUT FRAME AND COVERS SHALL BE PATTERN NO. 4153 OR AN APPROVED EQUAL AS MANUFACTURED BY CAMPBELL FOUNDRY COMPANY. See notes Below).

SET TO GRADE

BY TOWN

AS ESTABLISHED

ADJUSTABLE CURB BOX

1/2 CUBIC YARD

OF CRUSHED STONE

UNDER DRAIN OPENING

TYPE K COPPER

HOUSE CONNECTION

- CHAMBERS SHALL MEET ASTM F 2418-05 "STANDARD

WALL STORMWATER COLLECTION CHAMBERS".

SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED

GRANULAR WELL GRADED SOIL/AGGREGATE

SC-310 END CAP

6" MIN.

MIXTURES, <35% FINES. COMPACT IN 6 IN

TABLE OF ACCEPTABLE FILL MATERIALS.

LIFTS TO 95% PROCTOR DENSITY. SEE THE

MUELLER H-10314

CURB STOP AND

1. THE WATER LINE TAP SIZE SHALL BE DETERMINED

FROM THE CONSOLIDATED WATER DISTRICT.

AT THE TIME A WATER TAP PERMIT IS OBTAINED

DRAIN MUELLER

H-15214

WATER SERVICE NOTES:

STORMWATER INFILTRATORS DETAIL

N.T.S.

WATER SERVICE CONNECTION

N.T.S.

---PVC OR DIF

PVC OR DIP -

CLEANOUT ASSEMBLY DETAIL

(N.T.S.)

1. ALL CLEAN-OUT FRAMES AND COVERS HEAVY DUTY, SUITABLE FOR TRAFFIC LOADING WITH A MACHINED MATING SURFACE FOR A TIGHT

TYPE K COPPER WATER SERVICE WITH NO JOINTS

CURB STOP.

THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE -

THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD

BRIDGE DESIGN SPECIFICATIONS SECTION 12.12 FOR

EARTH AND LIVE LOADS, WITH CONSIDERATION FOR

SC-310 CHAMBER -

3/4" - 2" (19 mm - 51 mm) CLEAN, -

AASHTO M288 CLASS 2 -NON-WOVEN GEOTEXTILE

CRUSHED, ANGULAR STONE

IMPACT AND MULTIPLE VEHICLE PRESENCE.

BETWEEN WATER MAIN AND

BLOCKING -

SLOPF

2. CLEAN-OUT COVERS SHALL CONTAIN THE WORD "SEWER" CAST IN RAISED

3. THE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP THE COVER PATTERN

CLEAN AND FREE OF EXCESS PAVEMENT, MORTAR, AND DIRT THAT MAY HINDER REMOVAL OR OBSCURE THE LETTERING UNTIL THE MUNICIPALITY HAS ACCEPTED THE SEWER.

45° BEND

PVC OR DIP SEWER SERVICE LINE

4'-0" COVER (MIN.)

NON-ROCKING FIT.

TOP OF PAVEMENT

CORPORATE STOP

MUELLER H-15008

OR APPROVED EQUAL

----45° BEND

SEWER SERVICE CONNECTION TO MAIN DETAIL

NOTE: FOR BACKFILLING REQUIREMENTS OF SEWER SERVICE SEE "SEWER MAIN/SEWER SERVICE TRENCH DETAIL".

-PVC OR DIP SEWER SERVICE LINE

-UNDISTURBED EARTH

-SEWER MAIN

MIN. SLOPE 1/4" PER FT., (2%)

EQUAL. ALL CONNECTIONS BETWEEN PVC SANITARY SEWER SERVICE LINES

-3/4" WASHED GRAVEL OR CRUSHED STONE SERVICE LINES SHALL BE MADE BY GPK TRANSITION COUPLING FITTING OR APPROVED FOLIAL

FENCE MATERIAL

-ATTACH SIGN

TO POST

MINIMUM

TREE PROTECTION

FENCE

N.T.S.

ORANGE, UV RESISTANT

HIGH TENSILE STRENGTH

POLYETHYLENE LAMINAR BARRICADE FABRIC -

- 1.33 lbs/LF STEEL POST

APPROVED EQUAL.

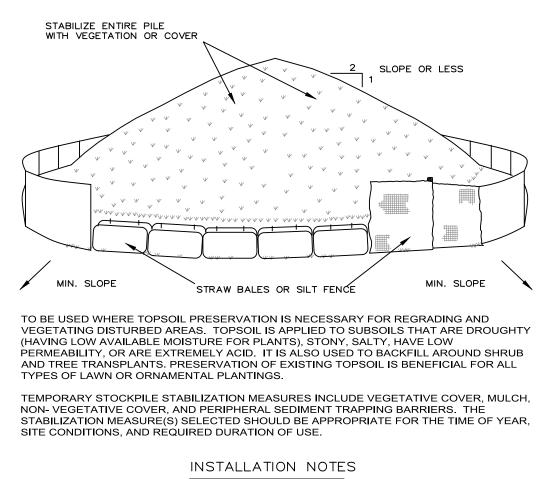
ALL CONNECTIONS BETWEEN EXISTING SANITARY SEWER SERVICE LINES AND NEW SANITARY SEWER SERVICE LINES

SHALL BE MADE BY SOLID SLEEVE RIGID COUPLINGS OR APPROVED

IN SEWER —

SUBDIVISION

SCO

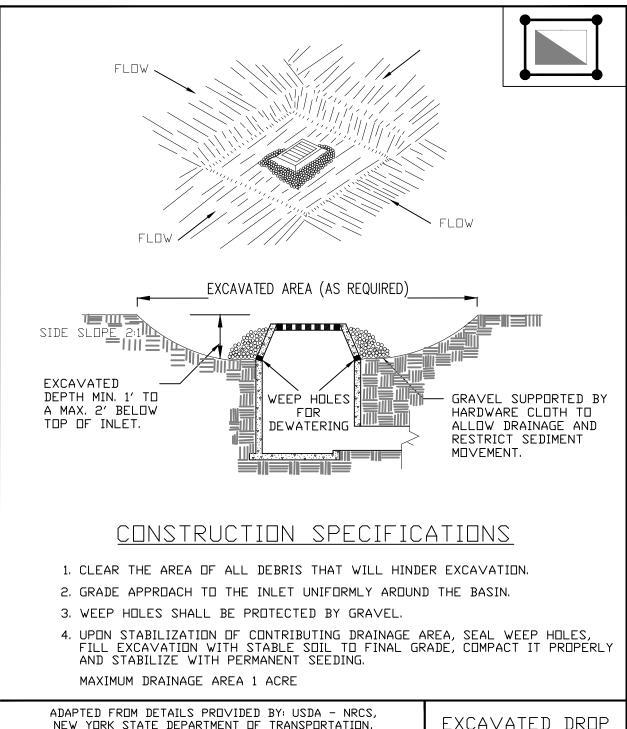


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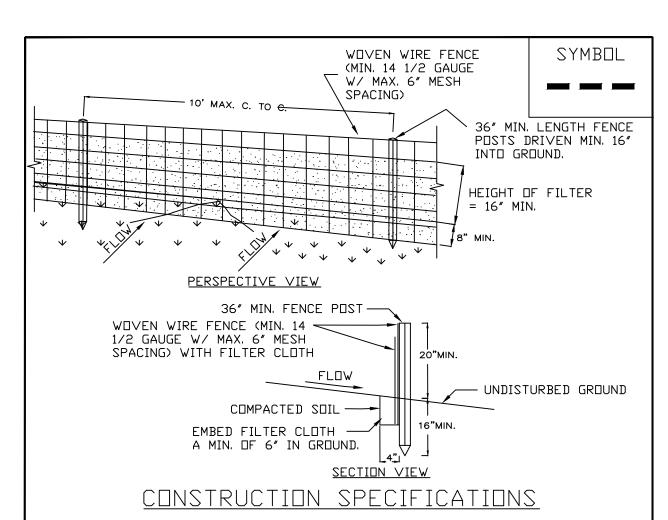
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NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

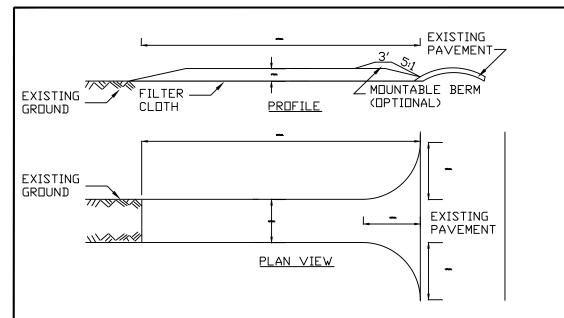
EXCAVATED DROP INLET PROTECTION



- 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- 2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 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. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- 5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN

"BULGES" DEVELOP IN THE SILT FENCE.

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESDURCES CONSERVATION SERVICE SILT FENCE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE



CONSTRUCTION SPECIFICATIONS

- 1. STONE SIZE USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT. 2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- 3. THICKNESS NOT LESS THAN SIX (6) INCHES.
- 4. WIDTH TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS, TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- 5. FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 6. SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CON-STRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- . MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESDURCES CONSERVATION SERVICE
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STABILIZED

CONSTRUCTION

ENTRANCE

