



IREDELL COUNTY DEVELOPMENT SERVICES
PLANNING & DEVELOPMENT-EROSION CONTROL SECTION
PO BOX 788 / 349 N. Center Street
STATESVILLE NC 28687-0788
(704) 878-3118 / FAX 928-2025

MINOR EROSION CONTROL PLAN SUBMITTAL PACKET FOR SINGLE LOT DEVELOPMENT

The following prerequisites must be met for this packet to be used as the submittal for the Minor Erosion Control Permit:

- The land disturbing activity is located inside of a watershed.
- The disturbance is 0.5 acres and greater, but no greater than 0.99 acres.
- The project does not involve cutting and filling on the site, only clearing and light grading taking place.

If the project meets the requirements above, print out the packet, fill out the provided Financial Responsibility/Ownership Form, provide a copy of the deed and provide a map/print out of the lot to be developed (this can be found using the Iredell County GIS website). The fee for the permit is \$135.

The packet contains details for the following:

- Individual Lot Protection Detail
- Construction Drive
- Silt Fence
- Silt Fence Stone Outlet
- Wattle Check Dam
- Seeding Schedules
- Ground Cover Stabilization Timeframe



FINANCIAL RESPONSIBILITY/OWNERSHIP FORM EROSION & SEDIMENTATION CONTROL

No person may initiate any land-disturbing activity on one or more acres, 1/2 acre or more inside a watershed, as covered by the Sedimentation Pollution Control Act and the Iredell County Land Development Code, before an acceptable erosion and sedimentation control plan has been submitted and approved by the Iredell County Planning & Development, Erosion Control Section.
(Please type or print.)

Part A.

1. Project Name _____
2. Location of land-disturbing activity: County _____ City or Township _____
Highway/Street _____ Latitude _____ Longitude _____
3. Approximate date land-disturbing activity will commence: _____
4. Purpose of development (residential, commercial, industrial, institutional, etc.): _____
5. Total acreage disturbed or uncovered (including off-site borrow and waste areas): _____
6. Amount of fee enclosed: \$ _____. An application fee of \$175.00 per acre (rounded up to the next acre) is assessed without a ceiling amount (Example: a 9-acre application fee is \$1575). For projects > than 0.5 acres but no greater than 0.99 acres in a water supply watershed, a flat fee of \$135.00 is assessed.
7. Has an erosion and sediment control plan been filed? Yes _____ No _____ Enclosed _____
8. Person to contact should erosion and sediment control issues arise during land-disturbing activity:
Name _____ E-mail Address _____
Telephone _____ Cell # _____ Fax # _____
9. Landowner(s) of Record (attach accompanied page to list additional owners):
Name _____ Telephone _____ Fax Number _____
Current Mailing Address _____ Current Street Address _____
City _____ State _____ Zip _____ City _____ State _____ Zip _____
10. Deed Book No. _____ Page No. _____ Provide a copy of the most current deed.

Part B.

1. Person(s) or firm(s) who are financially responsible for the land-disturbing activity (Provide a comprehensive list of all responsible parties on an attached sheet):
Name _____ E-mail Address _____
Current Mailing Address _____ Current Street Address _____
City _____ State _____ Zip _____ City _____ State _____ Zip _____
Telephone _____ Fax Number _____

2. (a) If the Financially Responsible Party is not a resident of North Carolina, give name and street address of the designated North Carolina Agent:

_____		_____			
Name		E-mail Address			
_____		_____			
Current Mailing Address		Current Street Address			
_____	_____	_____	_____	_____	_____
City	State	Zip	City	State	Zip
_____		_____			
Telephone		Fax Number			

(b) If the Financially Responsible Party is a Partnership or other person engaging in business under an assumed name, attach a copy of the Certificate of Assumed Name. If the Financially Responsible Party is a Corporation, give name and street address of the Registered Agent:

_____		_____			
Name of Registered Agent		E-mail Address			
_____		_____			
Current Mailing Address		Current Street Address			
_____	_____	_____	_____	_____	_____
City	State	Zip	City	State	Zip
_____		_____			
Telephone		Fax Number			

The above information is true and correct to the best of my knowledge and belief and was provided by me under oath (This form must be signed by the Financially Responsible Person if an individual or his attorney-in-fact, or if not an individual, by an officer, director, partner, or registered agent with the authority to execute instruments for the Financially Responsible Person). I agree to provide corrected information should there be any change in the information provided herein.

_____	_____
Type or print name	Title or Authority
_____	_____
Signature	Date

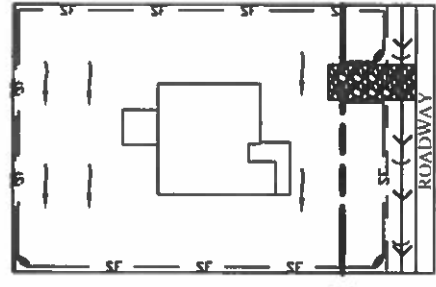
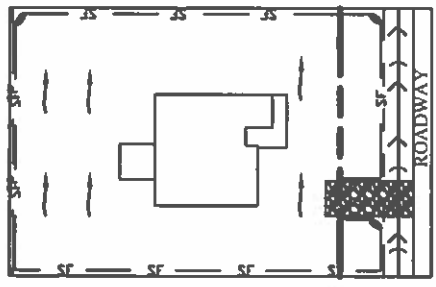
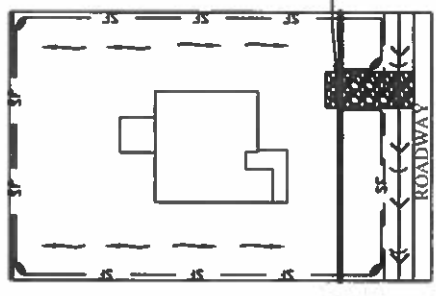
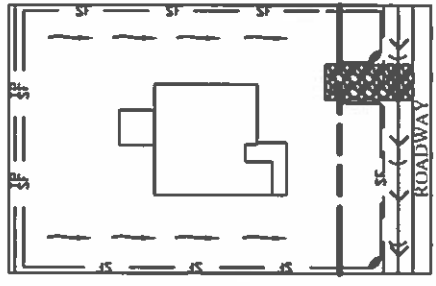
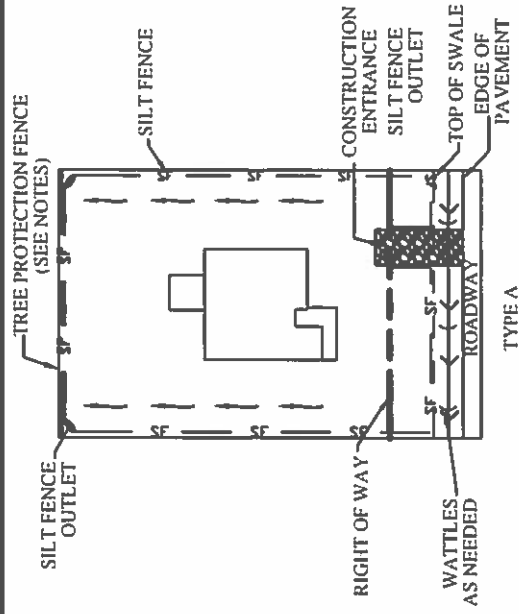
I, _____, a Notary Public of the County of _____ State of North Carolina, hereby certify that _____ appeared personally before me this day and being duly sworn acknowledged that the above form was executed by him.

Witness my hand and notarial seal, this _____ day of _____, 20_____

Seal

Notary

My commission expires _____



LEGENDS

- FLOW DIRECTION
- SF — SILT FENCE
- > DIVERSION DITCH
- (WATTLES
- TP — TREE PROTECTION FENCE
- SILT FENCE OUTLET
- (WATTLES
- DRAINAGE PIPE
- CONSTRUCTION ENTRANCE

NOTES

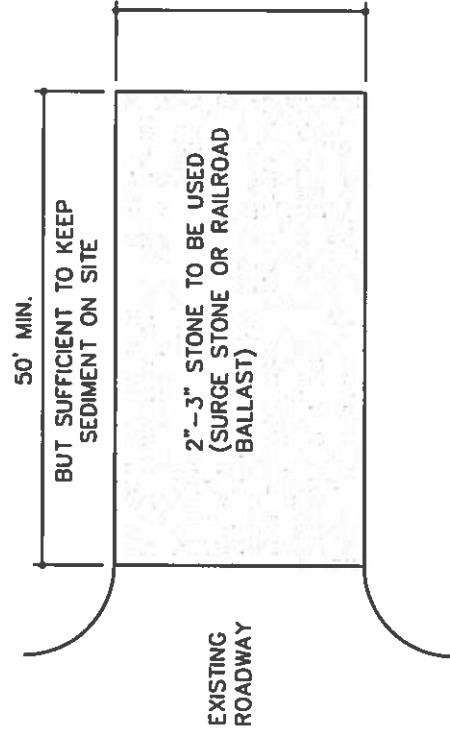
- 1 TREE PROTECTION FENCE SHOULD BE INSTALLED ALONG THE REAR PROPERTY LINE WHEN ADJACENT TO RIPARIAN BUFFER ZONES, WETLANDS AND/OR 25 FT TREE AND VEGETATION PROTECTION ZONE
- 2 WRAP EACH INDIVIDUAL LOT WITH SILT FENCE ON ALL SIDES AND INSTALL SILT FENCE OUTLETS SHOWN ON SCHEMATIC/DIAGRAM AND AS NEEDED
- 3 CONSTRUCTION ENTRANCE SHOULD BE INSTALLED AT THE HIGH ELEVATION SIDE OF THE SITE
- 4 THESE DETAILS ARE FOR ONLY LOTS WITH DISTURBED AREA LESS THAN ONE ACRE
- 5 IF THE DISTURBED AREA IS GREATER THAN ONE ACRE, A PLAN SHOULD BE SUBMITTED FOR THE 30-DAY REVIEW CYCLE. THE PLAN SHOULD ADDRESS BERMS/DIVERSIONS AND SEDIMENT TRAPS AND BASINS
- 6 IF MULTIPLE LOTS SHARE SILT FENCE WITH NONE INSTALLED BETWEEN THE LOTS, A REVISED PLAN WILL BE REQUIRED AND A NOTICE OF VIOLATION (NOV) WITH CIVIL PENALTY WILL BE ISSUED
- 7 INLETS DOWNSTREAM OF DISTURBANCES SHOULD BE PROTECTED, STREETS SHOULD BE SWEEP DAILY, AND MEASURES REMOVED OR DAMAGED BY SUB-CONTRACTORS OR UTILITIES SHALL BE RE-INSTALLED AT THE END OF THE WORK DAY
- 8 DETAILS FOR SILT FENCE, SILT FENCE OUTLET, CONSTRUCTION ENTRANCE AND OTHER MEASURES PROVIDED ON OTHER SHEETS

- 9 EROSION CONTROL DETAILS ARE NOT DRAWN TO SCALE
- 10 ENSURE THAT LAND DISTURBANCE DOES NOT IMPACT SEPTIC FIELD OR REPAIR FIELD AS THIS MAY VOID ON-SITE WASTE WATER PERMIT VALIDITY
- 11 IF LOTS ARE CONTIGUOUS AND HAVE DIFFERENT LAND OWNERS, LOTS CAN NOT SHARE THE SILT FENCES. EACH LOT SHOULD HAVE INDIVIDUAL SILT FENCES. THERE SHOULD BE A MINIMUM OF TWO ROWS OF SILT FENCES BETWEEN THE LOTS
- 12 SILT FENCE SHOULD ONLY BE INSTALLED AT THE EDGE OF THE LIMITS OF DISTURBANCE OF THE BACK OF THE LOTS
- 13 STANDARD PLAN DOES NOT COVER THE FOLLOWING:
 - a. BASEMENT LOTS
 - b. LOTS WITH GREATER THAN 5 FEET ELEVATION BETWEEN THEM AND/OR LOTS WITH GREATER THAN 10 FEET ELEVATION FROM FRONT TO BACK
 - c. LOTS WITH CONCENTRATED FLOW/SWALES BETWEEN THEM
 - d. LOTS WITH STORMWATER CONTROL MEASURES (SCMS)
 - e. LOTS WITH CUT SLOPES OR "RUN ON"

TYPICAL INDIVIDUAL LOT SEDIMENT & EROSION CONTROL MEASURES DETAIL



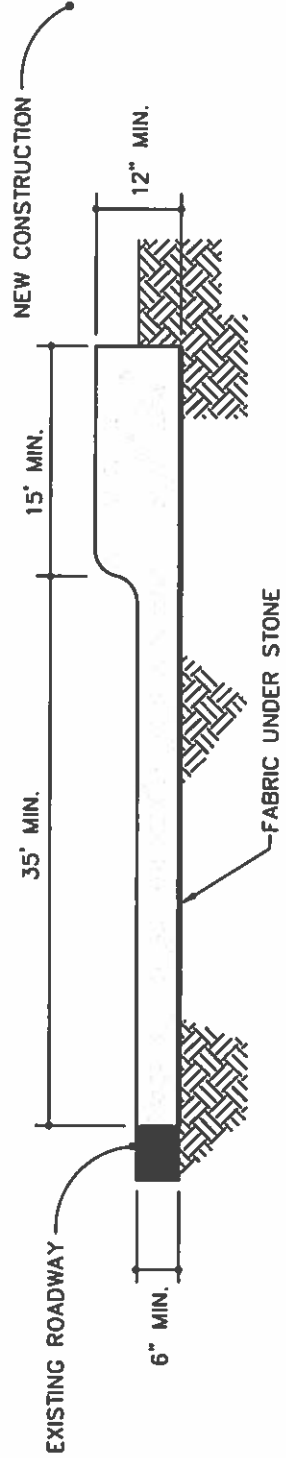
EFFECTIVE 2/15/19



PLAN VIEW

NOTES:

1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
3. MAINTAIN GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING CONSTRUCTION SITE. ENTRANCE WILL REQUIRE PERIODIC REMOVAL OF SEDIMENT-LADEN STONE AND REPLACEMENT WITH FRESH STONE.

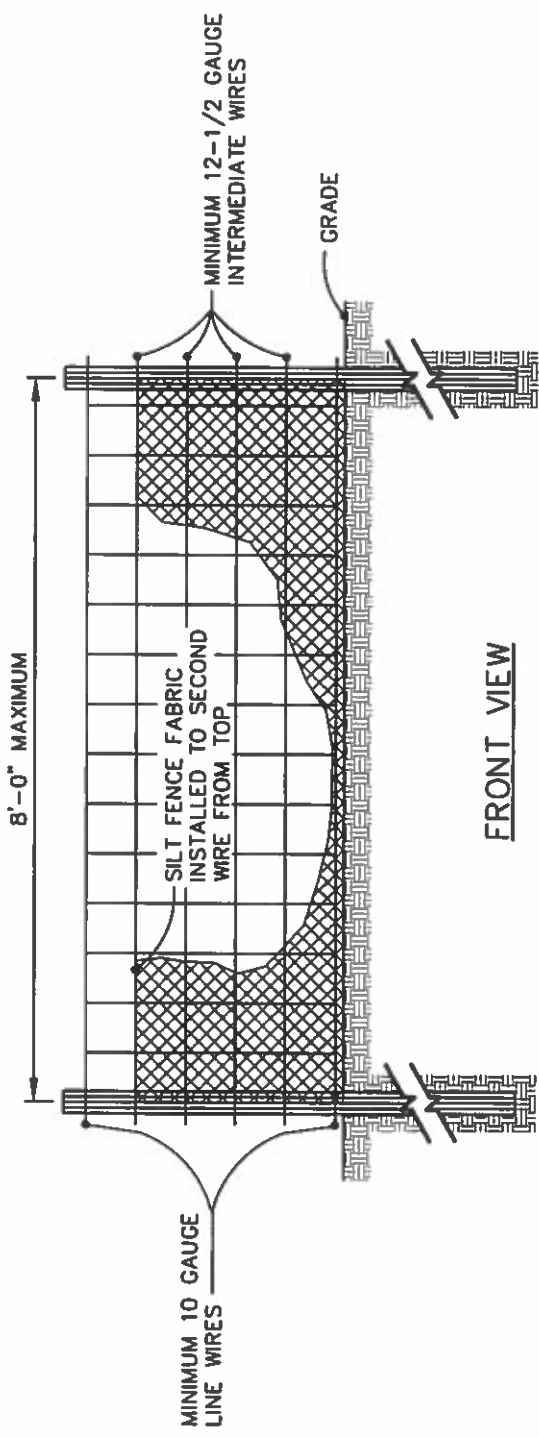


CROSS SECTION

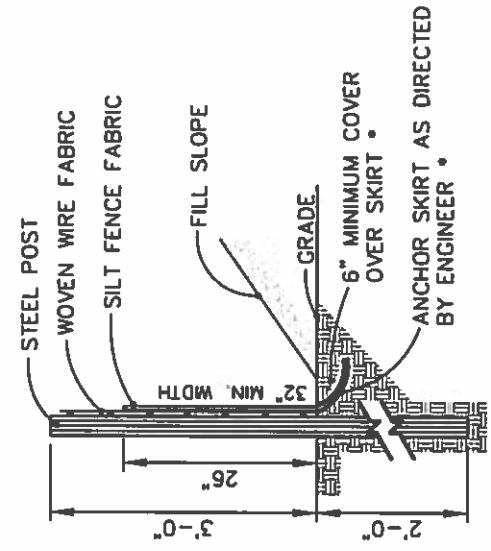
STANDARD CONSTRUCTION ENTRANCE



EFFECTIVE: 01/31/08



FRONT VIEW



SIDE VIEW

NOTE:

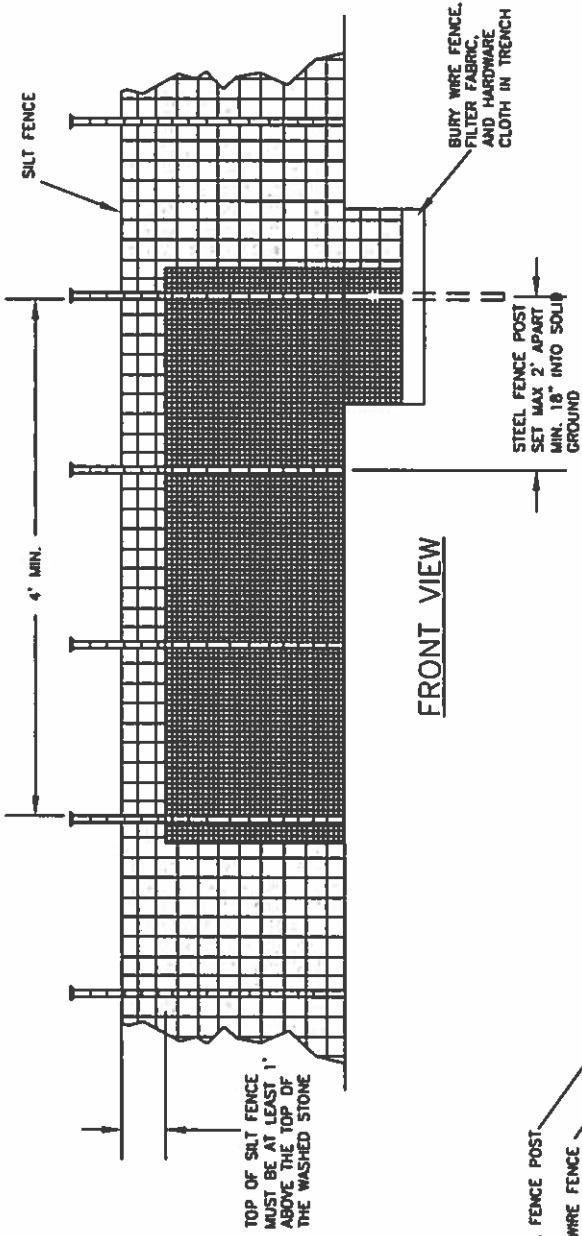
1. USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
2. REMOVE SEDIMENT DEPOSITED AS NEEDED TO PROVIDE STORAGE VOLUME FOR THE NEXT RAIN AND TO REMOVE PRESSURE ON THE SILT FENCE.



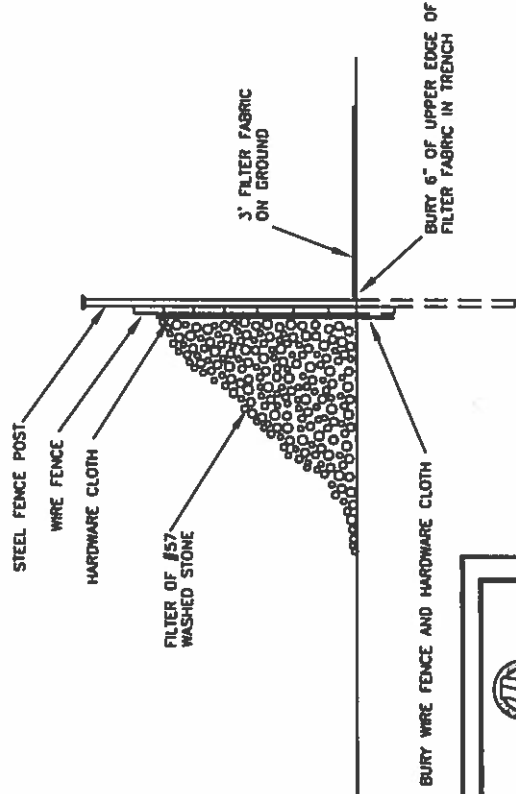
IREDELL
COUNTY - NC

EFFECTIVE: 01/31/08

STANDARD TEMPORARY SILT FENCE



FRONT VIEW



SECTION VIEW

- NOTES:
1. REMOVE SEDIMENT WHEN HALF OF STONE OUTLET IS COVERED.
 2. REPLACE STONE AS NEEDED TO ENSURE DEWATERING.



EFFECTIVE: 01/31/08

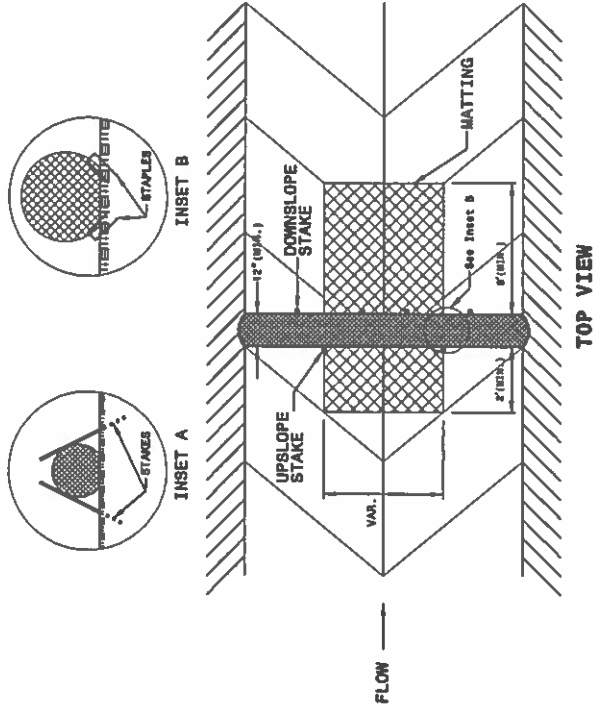
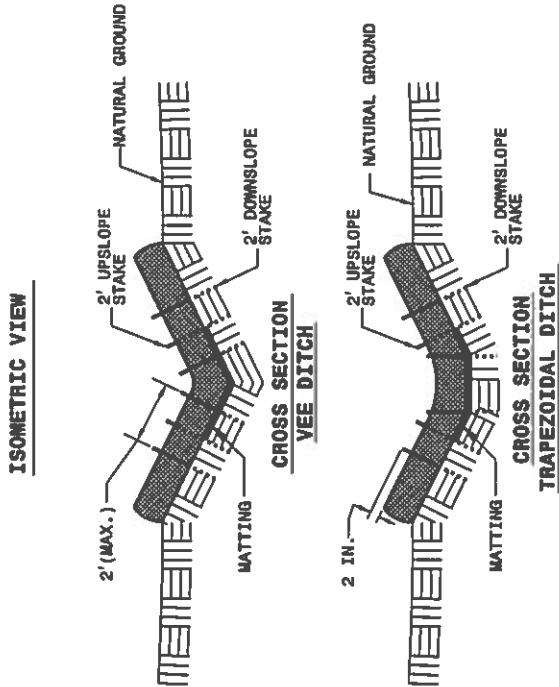
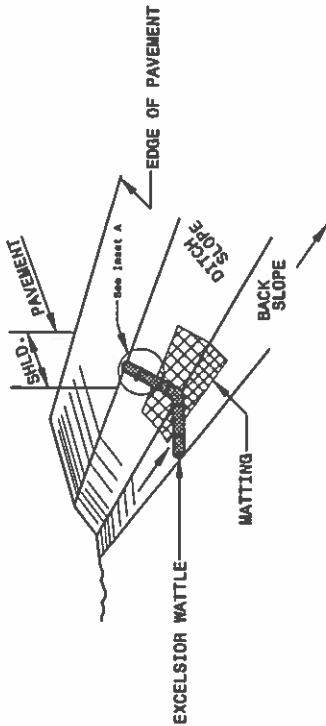
STANDARD SILT FENCE OUTLET

PROJECT NUMBER	1-1111
DATE	12-82
BY	...
CHECKED	...
APPROVED	...

WATTLE DETAIL

NOTES:

- USE MINIMUM 12 IN. DIAMETER EXCELSTON WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LMEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- INSTALL MATTING IN ACCORDANCE WITH SECTION 1031 OF THE STANDARD SPECIFICATIONS.



Temporary Seeding Recommendations for Summer

Seeding mixture Species	Rate (lb/acre)
German millet	40

In the Piedmont and Mountains, a small-stemmed Sudangrass may be substituted at a rate of 50 lb/acre.

Seeding dates
Mountains—May 15 - Aug. 15
Piedmont—May 1 - Aug. 15
Coastal Plain—Apr. 15 - Aug. 15

Soil amendments
Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

Mulch
Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Referfertilize if growth is not fully adequate. Reseed, referfertilize and mulch immediately following erosion or other damage.

Temporary Seeding Recommendations for Fall

Seeding mixture Species	Rate (lb/acre)
Rye (grain)	120

Seeding dates
Mountains—Aug. 15 - Dec. 15
Coastal Plain and Piedmont—Aug. 15 - Dec. 30

Soil amendments
Follow soil tests or apply 2,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10-10-10 fertilizer.

Mulch
Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Repot and referfertilize damaged areas immediately. Topdress with 50 lb/acre of nitrogen in March. If it is necessary to erect temporary cover beyond June 15, overseed with 50 lb/acre Kobe (Piedmont and Coastal Plain) or Korean (Mountains) lespedeza in late February or early March.

PERMANENT SEEDING REQUIREMENTS

1. Permanent seeding, sodding, or other means of stabilization are required when all construction work is completed according to the stabilization timeframes above.
2. A North Carolina Department of Agriculture Soils Test (or equal) should be obtained for all areas to be seeded, sprigged, sodded or planted. Recommended fertilizer and pH adjusting products should be incorporated in the soil.
3. Use a seeding mix of non-invasive, native species that will eventually provide a permanent groundcover. Recommendations for surface stabilization may be found at <http://portal.ncdenr.org/wcb/tr/publications>.
4. Immediate vegetative cover will always require additional fertilization, soil tests, overseeding and maintenance until permanent vegetative cover is established.

Temporary Seeding Recommendations for Late Winter / Early Spring

Seeding mixture species	Rate (lb/acre)
Rye (grain)	120
Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)	50

Omit annual lespedeza when duration of temporary cover is not to extend beyond June.






Seeding dates
 Mountains—Above 2500 feet: Feb. 15 - May 15
 Below 2500 feet: Feb. 1 - May 1
 Piedmont—Jan. 1 - May 1
 Coastal Plain—Dec. 1 - Apr. 15

Soil amendments
 Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

Mulch
 Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A sick with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
 Refer to growth if growth is not fully adequate. Reseed, re-fertilize and mulch immediately following erosion or other damage.

NEW STABILIZATION TIMEFRAMES

Site Area Description	Stabilization	Timeframe Exceptions
 Perimeter dikes, swales, ditches and slopes	7 days	None
 High Quality Water (HQW) Zones	7 days	None
 Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
 Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in length.
 All other areas with slopes flatter than 4:1	14 days	None, except for perimeters and HQW Zones.