



SINGLE FAMILY RESIDENTIAL DEVELOPMENT or
SINGLE FAMILY RESIDENTIAL LOT
EROSION AND SEDIMENT CONTROL
INSTALLATION & MAINTENANCE AGREEMENT
ANY LAND DISTURBING ACTIVITY LESS THAN ONE ACRE
 TO BE SUBMITTED WITH BLANK PERMIT REQUEST, ZONING PERMIT, OR
 SUBDIVISION PLAT AS APPLICABLE

STREET # _____ (N,S,E,W) STREET NAME _____ SUBDIVISION: _____ ANTICIPATED STARTING DATE OF CONSTRUCTION: _____ EXPECTED COMPLETION OF CONSTRUCTION: _____ Notes: (1) All sediment control measures must be in place prior to any land- disturbing activity. (2) Final Inspection required before release of Certificate of Occupancy. Contact Erosion Control Inspector at 704-282- 4583. PROPERTY OWNER _____ TAX PARCEL # _____	LOT #: _____ Lot Acreage: _____ Total Acreage Disturbed: _____
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PLEASE REFER TO THE BACK OF THIS FORM BEFORE COMPLETING

For single-family residential sites, choose one of the following:

Option _____, or a combination of Options _____ & _____, best suit this site. Sediment control measures will be installed as detailed.

The sediment control measures will be installed as indicated in the space to the right.

Note: If the disturbed area of the residential site is one acre or more, an erosion control plan and financial responsibility form must be submitted to and approved by the City prior to any land-disturbing activity.

SITE DRAWING – may be attached
 (Sketch of proposed building site, including adjacent drainage features and public right-of-way)

Person(s) or Firm(s) who are financially responsible for this land-disturbing activity:

Company Name: _____

Company President: _____

Email Address: _____

Company Address: _____

Construction Manager: _____

Email Address: _____

Other (): _____

Field Office Telephone Number: _____

Field Office Fax Number: _____

Home Office Telephone Number: _____

Home Office Fax Number: _____

Applicant's Signature _____ Date _____

Erosion & Sediment Control Review Officer _____ Date _____

THE APPLICANT HEREBY CERTIFIES THAT HE/SHE HAS READ THE INFORMATION ON THE BACK OF THIS FORM AND IS AWARE OF THE STATED REQUIREMENTS OF THE SOIL EROSION AND SEDIMENTATION CONTROL. THE OWNER MUST COMPLY WITH THE PROVISIONS OF THESE ORDINANCES.

The City of Monroe Erosion and Sediment Control Ordinance requires that anyone conducting land-disturbing activity control sediment and provide adequate measures to retain sediment at the disturbed site. The total disturbed area of the site includes any borrow or waste areas that are used for the residential site, if the borrow or waste areas are not currently permitted by the City of Monroe or NC DENR. Land-disturbing activities include demolition and land clearing. Erosion Control measures must be installed in accordance with the City of Monroe Standard Specifications and Detail Manual.

Failure to install or maintain erosion control measures may result in penalties of up to \$5000 per day.

If any indicated Erosion and Sedimentation Control (ESC) measures are not installed, a re-inspection fee will be required.

INSTRUCTIONS: IDENTIFY ONE OR A COMBINATION OF OPTIONS THAT BEST DESCRIBES THE EROSION CONTROL MEASURES THAT WILL BE USED DURING CONSTRUCTION.

EROSION CONTROL OPTIONS

A. Flow to the Rear

B. Flow to the Front

C. Flow to the Left

D. Flow to the Right

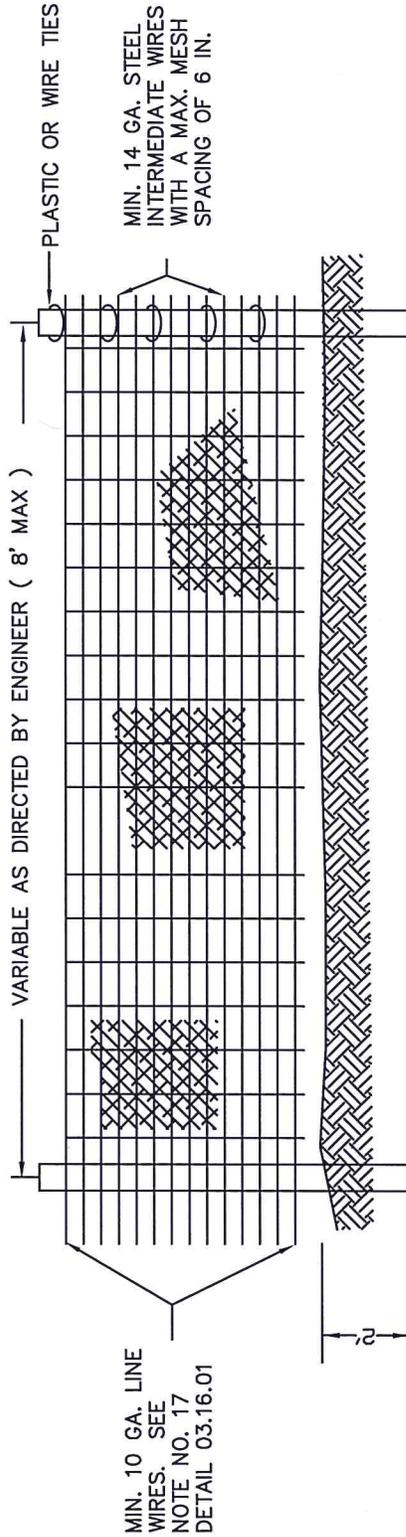
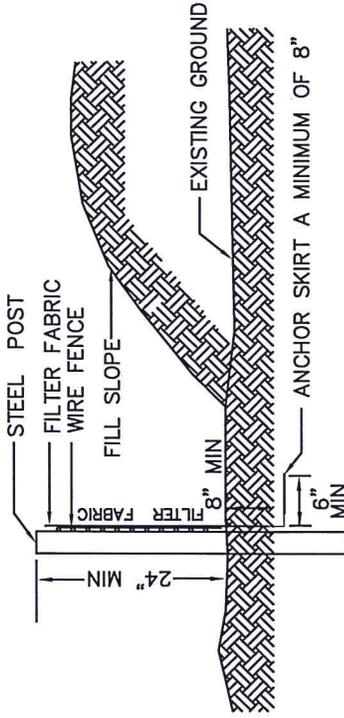
E. Flow to the Front & Rear

LEGEND

- x—x— Silt Fence
- Construction Entrance
- Direction of flow
- Vehicle Barrier

GENERAL NOTES:

1. FENCE FABRIC SHALL BE A MINIMUM OF 24" ABOVE GROUND SURFACE AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 6" STAY SPACING.
2. FILTER FABRIC SHALL BE MIRAFI 100 FABRIC OR EQUIVALENT.
3. BURLAP CANNOT BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
4. STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
5. ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT FENCE WHEN GRADING IS ADJACENT TO STREAMS OR WETLANDS. THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
6. DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS, OR OTHER AREAS OF CONCENTRATED FLOW.
7. DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100 FT OF FENCE FOR SLOPES LESS THAN 2%.
8. SLOPE LENGTHS CAN NOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.



MAINTENANCE:
 INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
 SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
 REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
 REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

REFERENCE: NCDENR PLANNING AND DESIGN MANUAL, JUNE 2006

NO.	DATE	DESCRIPTION
1	4/20/04	FENCE FABRIC, REEL WOOD POST OPTION
2	05/08	ADD NOTES 6.62B AND MAINTENANCE
3	04/11	REMOVE ALTERNATIVE BURYING METHOD



SILT FENCE INSTALLATION

CITY OF MONROE
 NORTH CAROLINA
 UNION COUNTY
 ENGINEERING DEPARTMENT

FILE: E:\New Jobs\Detail\Detail\Monroe\Spec\Standard Detail & Spec Manual\Standard Detail\03
 DRAWN BY: JAM DATE: 08-07-01
 CHECKED BY: JNL SCALE: N.T.S.
 PREPARED BY:
 DETAIL 03.01.01

SEEDING PREPARATION

AREAS TO BE SEEDED SHALL BE THOROUGHLY LOOSEND AND WORKED TO A MINIMUM DEPTH OF AT LEAST 5 INCHES.

THE AREA SHALL THEN BE RACKED OR OTHERWISE CLEARED OF ROCKS, LARGER THAN 2 INCHES IN DIAMETER, STICKS OR OTHER DEBRIS.

FOR LATE WINTER AND EARLY SPRING:

SEEDING MIXTURE:

RYE (GRAIN) - 120 LB/ACRE
ANNUAL LESPEDEZA (KOBÉ) - 50 LB/ACRE
(OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE)

SEEDING DATES:

JAN. 1 - MAY 1

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:

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE

FOR SUMMER:

SEEDING MIXTURE:

GERMAN MILLET - 40 LB/ACRE
(A SMALL-STEMMED SUDANGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE)

SEEDING DATES:

MAY 1 - 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:

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE

FOR FALL:

SEEDING MIXTURE:

RYE (GRAIN) - 120 LB/ACRE

SEEDING DATES:

AUG. 15 - DEC 30

SOIL AMENDMENTS:
FOLLOW RECOMMENDATIONS OF 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:

REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBÉ LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

FOR ADDITIONAL INFORMATION, REFER TO NCDENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (ESCPDM), SECTION 6.10. FOR PERMANENT SEEDING SPECIFICATIONS, INCLUDING SEED BED PREP, SEASONAL LIMITATIONS FOR SEEDING OPERATIONS, THE KINDS OF GRADES OF FERTILIZERS, THE KINDS OF SEED, AND THE RATES OF APPLICATION OF LIMESTONE, FERTILIZER, AND SEED, REFER TO NCDENR ESCPDM SECTION 6.11. PLEASE CONSULT THE NATURAL RESOURCES CONSERVATION SERVICE FOR ADDITIONAL ALTERNATIVES FOR VEGETATING DENUDEED AREAS. ②

REVISIONS

NO.	DATE	DESCRIPTION
1	4/20/04	FORMAT
2	07/2015	ALL UPDATED REQUIREMENTS
		REVISED TITLE



SEEDBED PREPARATION & TEMPORARY SEEDING

CITY OF MONROE
UNION COUNTY
NORTH CAROLINA

PREPARED BY:
ENGINEERING DEPARTMENT

FILE: I:\New_J\Maps-Details\Detail Manual&Specs\Standard Detail & Spec Manual\Standard Detail#03	DATE: 08-07-01
DRAWN BY: JAM	CHECKED BY: JNL
SCALE: N.T.S.	DETAIL 03.07.01