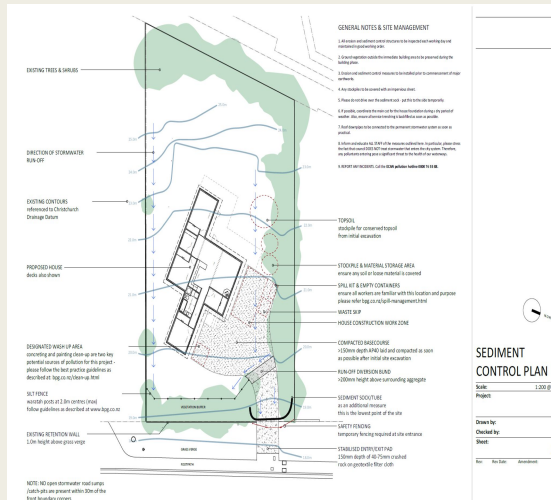


Frederick County Soil Conservation District



RESOURCES FOR EROSION & SEDIMENT CONTROL PLAN REVIEW

All Erosion and Sediment control plans submitted for review and approval for projects located in Frederick County, must adhere to the current 2011 Maryland Department of the Environment's Standard and Specifications for Soil Erosion and Sediment Control.

[2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control](#)



APPROVAL INFORMATION

The Frederick County Soil Conservation District approval of erosion and sediment control plans expires two (2) years from the approval date. When the approval expires, plans must be re-submitted for recertification (renewal).

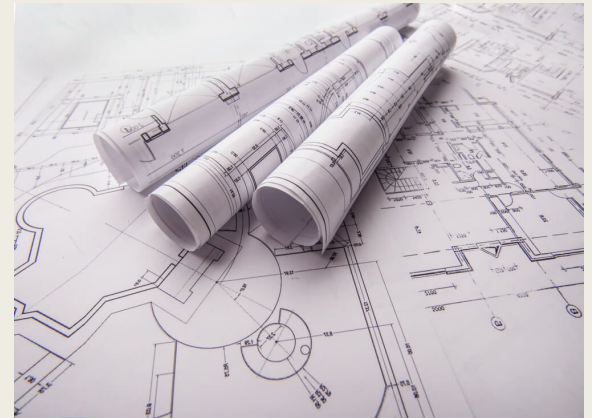
Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

By: _____
District Manager or Designee

Date: _____
Plan is valid for 2 years from date of approval

SCD approval for sediment and erosion control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.

PLAN REVIEW FEE



- First Submission= \$100.00
- Resubmission= \$100.00
- Originals for Signatures= Total Acres of Disturbed Area __ X \$100.00 plus \$300.00 base charge.

Cash or Check is accepted for payment. Please make checks out to:
FREDERICK COUNTY SCD

There will be a \$45.00 fee on ALL returned checks

SUBMISSION REQUIREMENTS

First or Resubmission Site Plan:

- One (1) Paper Copy of Plan and Supporting Documents
- Completed Transmittal Sheet - Project Name, Engineering Firm, Contact Name, Phone Number and Email. [Fee Transmittal Sheet- Fillable Form](#)
- Fee of \$100.00 Cash or Check made out to Frederick County Soil Conservation District

Originals for Signature:

- Two (2) Paper Copy of Plan and Supporting Documents
- Completed Transmittal Sheet - Project Name, Engineering Firm, Contact Name, Phone Number and Email. [Fee Transmittal Sheet- Fillable Form](#)
- Copy of the final review bill.
- Fee From Final Review Bill Payment of (Total Acres of Disturbed Area X \$100.00 Plus \$300.00 Base charge.) Cash or Check made out to Frederick County Soil Conservation District

*Original plans will not be accepted by the Frederick County Soil Conservation District until requested by urban technician in writing on sediment control checklist and final review bill is issued.

REVIEW TIME

Review time will be 30 working days from the time plans are received at the Frederick County Soil Conservation District office.

Any calls or questions regarding submissions must be from the engineering firm. Soil Conservation District will not give status updates within the 30 day review time.

All Urban review comments and paperwork must be picked up by the engineering firm.



FEE TRANSMITTAL SHEET



Frederick County Soil Conservation
92 Thomas Johnson Drive- Suite 230
Frederick, MD 21702
(301)-695-2803 x3

Fee Transmittal Sheet

Project Name: _____

Engineer: _____

Contact: _____ Phone: _____

Email: _____

- | | | | |
|--|----------|--------|-------|
| <input type="checkbox"/> First Submission | \$100.00 | Check# | _____ |
| <input type="checkbox"/> Resubmission | \$100.00 | Check# | _____ |
| <input type="checkbox"/> Originals for Signature | \$ _____ | Check# | _____ |

MAKE CHECKS PAYABLE TO: FREDERICK COUNTY SCD

THERE WILL BE A \$45.00 FEE ON ALL RETURNED CHECKS

FORMS CAN BE ACCESSED AT WWW.CATOCTINFREDERICKSCD.COM/RESOURCES

FINAL REVIEW BILL SHEET



92 Thomas Johnson Drive, Suite 230, Frederick, MD 21702
 (301)-695-2803 x3 soil.conservation@comcast.net

Final Erosion & Sediment Control Plan Review and Signature Fee

Project Name: Frederick Airport Bowmans Farm Road

Development Type	Disturbed Acres	Review Fee	Total
Residential	Unlimited	Enter Disturbed Acre, to the nearest tenth	
		\$ 100 Acre Review Fee	\$ -
		\$ 300 Final Urban Tech Review Fee	
		Total Review Fee	\$ -
Mass Grading/ Improvement Plans/Industrial/Commercial	Unlimited	Enter Disturbed Acre, to the nearest tenth	
		\$ 100 Acre Review Fee	\$ -
		\$ 300 Final Urban Tech Review Fee	\$ 300.00
		Total Review Fee	\$ 300.00
Mining Operations	Unlimited	Enter Disturbed Acre, to the nearest tenth	
		\$ 100 Acre Review Fee	\$ -
		\$ 300 Final Urban Tech Review Fee	
		Total Review Fee	\$ -

Total Amount Due with Final Submission	\$ 300.00
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2 Paper copies of plans are required at final submission.
 Originals will not be signed unless fee is paid in full at time of submission

Please make check out to: Frederick County SCD
 There will be a \$45.00 fee on all returned checks.

Urban Reviewer Signature: _____

SOIL CONSERVATION DISTRICT REVIEW CHECKLIST

Erosion & Sediment Control Checklist



Project Location: _____ City of Frederick _____ Frederick County
 Disturbed Acres: _____
 Urban Reviewer: _____
 Plan Status: APPROVED _____ UNACCEPTABLE _____
 Engineer Contact Name: _____ Date: _____

Sediment And Erosion Control Plan Review Checklist

This Checklist to be Completed by Design Professional In Charge

This checklist is intended to provide guidance to you as you prepare your design plans. The items on this checklist are some of the items that will be reviewed by Frederick County Soil Conservation staff. Please complete this checklist and submit it with a Sediment and Erosion Control plan.

Project Name: _____ Date Submitted to SCD: _____
 Engineer Firm: _____ Engineer Incharge Name: _____
 Engineer Incharge Phone #: _____ Email: _____

Cover Sheet - Items that must be on first plan sheet

Engineer Incharge	SCD Reviewer	Item
		Title Block: Project name, property address and legal description (lots/blocks/subdivision, parcels, or other legal references.)
		Project Scope/Name: Examples - Sediment Control and SWM for [project name], Sediment Control for Demolition and Improvement Only, Sediment Control for Mass Grading Only for [project name].
		Owner/ Developer Certification: Name, address, phone number and signature
		Frederick County Soil Conservation District Signature Block: Lower right-hand corner on all SEC Sheets.
		Location Map: Site outlined and adjacent streets labeled.
		Approval Summary Table: List all approval warranted for the project within this table to include, SCD, MDE Water Resource Permits, Notice of Intent (1 acre or more), etc.
		Sheet Index Table: Provide sheet numbers with description
		Engineer's Design Certification Seal and Signature Block: Seal of a Maryland Registered Professional Engineer (PE), Maryland Land Surveyor, Maryland Landscape Architect or Maryland Architect. Provide Digital Seal and Signature per State and County requirements. Seal only required to be on the first sheet. Provide date signed and expiration date. Plans requiring Small Pond or Dam Safety approval can only be sealed by a Maryland PE.
		Certification of the Disturbed Area Quantity Block: Include cubic yards of excavation and fill with disturbed square feet or acres.
		Property Information/General Notes: Project summary description, statement regarding 100 year floodplain and wetlands. Waterway Class, Stream restriction period. List other plan that are connected to submitted plan; example mass grading, improvement plan phases.

Sediment Control - Plan Views

Engineer		
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OWNER/DEVELOPER, ENGINEER, DISTURBED AREA CERTIFICATION BLOCKS

OWNER/ DEVELOPER'S CERTIFICATION:

I/We hereby certify that any clearing, grading, construction and/or development will be done pursuant to this plan and that any responsible personnel involved in this construction project will have a Certificate of Attendance at a Maryland Department of the Environment approved training program for the control of sediment and erosion before beginning the project. I/We also certify that the site will be inspected at the end of each working day, and that any needed maintenance will be completed so as to ensure that all sediment control practices are left in operational condition. I/We authorize the right of entry for periodic onsite evaluation by the Frederick County Soil Conservation District Board or their authorized agents.

SIGNATURE OWNER/ DEVELOPER

DATE

PRINT NAME

TITLE

Owner/Developers Certification Signature Block

Certification of the Disturbed Area Quantity Block

CERTIFICATION OF THE DISTURBED AREA QUANTITY

I hereby certify that the estimated total amount of area to be disturbed shown on these plans has been computed to _____ c.y. of excavation, _____ c.y. of fill and the total area to be disturbed as shown on these plans has been determined to be _____ square feet, or _____ acres.

ENGINEER'S SIGNATURE

P.E. NO.

PRINT NAME

DATE

ENGINEER'S DESIGN CERTIFICATION:

I hereby certify this plan has been designed in accordance with local ordinances, COMAR 26.17.01, and 2011 Maryland Standards and Specification for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits. If applicable, this plan is also designed in accordance with the requirements contained within USDA, NRCS "Standards and Specifications for Ponds MD-378" and the policies and procedures of the Maryland Department of the Environment Dam Safety program.

ENGINEER'S SIGNATURE

P.E. NO.

PRINT NAME

DATE

Engineer's Design Certification Signature Block

FREDERICK COUNTY SOIL CONSERVATION DISTRICT **SIGNATURE BLOCKS**

Frederick County Soil Conservation District
Erosion and Sediment Control Plan Approval

By: _____
District Manager or Designee

Date: _____
Plan is valid for 2 years from date of approval

SCD approval for sediment and erosion control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.

FCSCD Erosion and Sediment Control Plan Approval Signature Blocks

***Signature blocks are required on cover sheet and on each page of project applicable to sediment and erosion control or storm water management review.**

SEQUENCE OF CONSTRUCTION SAMPLE

SEQUENCE OF CONSTRUCTION

1. OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. CONTRACTOR SHALL CONTACT MISS UTILITY AT 800-257-7777, CITY OF FREDERICK ENGINEERING DEPT. AT 301-600-1405, AND SOIL CONSERVATION DISTRICT AT 301-695-2803 EXT 3 TO SET UP A PRE-CONSTRUCTION MEETING AT LEAST (5) DAYS PRIOR TO BEGINNING CONSTRUCTION. THE LIMITS OF DISTURBANCE SHALL BE STAKED IN THE FIELD PRIOR TO THE PRE-CONSTRUCTION MEETING. ADDITIONAL SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS A RESULT OF THE PRECONSTRUCTION MEETING. A COPY OF THE NOTICE OF INTENT WILL NEED TO BE RECEIVED FROM MDE PRIOR TO THE START OF CONSTRUCTION.
2. INSTALL/MAINTAIN STABILIZED CONSTRUCTION ENTRANCES AND PERIMETER CONTROLS AT LOCATIONS SHOWN ON PLANS. SEDIMENT AND EROSION CONTROL MEASURES MUST BE INSTALLED PRIOR TO EXCAVATION. STOCKPILE LOCATIONS WILL BE DETERMINED IN THE FIELD AS NEEDED AND WILL BE LOCATED WITH A PERMITTED AREA.
3. SAW CUT PAVEMENT AND COMMENCE CONSTRUCTION. REMOVE EXISTING CURB, INLET, SIDEWALK AND PAVEMENT PER PLAN AS SHOWN.
4. INSTALL STORMDRAIN AND GRADE SWALE ALONG YELLOW SPRINGS ROAD, STABILIZE ALL DITCHES AS THEY ARE CONSTRUCTED AND ADD INLET PROTECTION AS STRUCTURES ARE BROUGHT UP TO GRADE.
5. ONCE PROPOSED PAVED AREAS ARE TO SUBGRADE, BEGIN CURB INSTALLATION AND PAVING OPERATIONS. INSTALL ADA RAMPS AND SIDEWALK.
6. INSTALL RETAINING WALLS ALONG YELLOWSPRINGS ROAD PER PLANS. AND FINE GRADE SLOPE AND SWALE AS NEEDED AND STABILIZE
7. UPON COMPLETEION OF CONSTRUCTION, REMEDIATE DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
8. UPON APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR. REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE AREAS DISTURBED BY THEIR REMOVAL.

SEDIMENT AND EROSION CONTROL NOTE SAMPLE

SEDIMENT & EROSION CONTROL NOTES

1. ALL SOIL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" AND THE PROVISIONS OF THE APPROVED PLAN.
2. ALL GRADING AND STABILIZATION SHALL COMPLY WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, SECTION B - GRADING AND STABILIZATION" AND THE PROVISIONS OF THE APPROVED PLAN.
3. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES (BMP'S) ARE TO BE CONSTRUCTED AND/OR INSTALLED PRIOR TO OR AT THE INITIATION OF GRADING IN ACCORDANCE WITH "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND THE APPROVED PLAN.
4. A GRADING UNIT IS THE MAXIMUM CONTIGUOUS AREA ALLOWED TO BE GRADED AT A GIVEN TIME AND IS LIMITED TO 20 ACRES. WORK MAY PROCEED TO A SUBSEQUENT GRADING UNIT WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PRECEDING GRADING UNIT HAS BEEN STABILIZED AND APPROVED BY THE SEDIMENT CONTROL INSPECTOR (APPROVAL AUTHORITY). UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE APPROVAL AUTHORITY, NO MORE THAN 30 ACRES CUMULATIVELY MAY BE DISTURBED AT A GIVEN TIME.
5. FOR INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, TEMPORARY OR PERMANENT STABILIZATION MUST BE COMPLETED WITHIN:
 - A) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND
 - B) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
6. STOCKPILES MUST BE STABILIZED IN ACCORDANCE WITH THE 7 DAY STABILIZATION REQUIREMENT, AS WELL AS, STANDARD B-4-1 INCREMENTAL STABILIZATION AND STANDARD B-4-4 TEMPORARY STABILIZATION (AS APPLICABLE).
7. ALL CONSTRUCTED CHANNELS AND SWALES SHALL HAVE SPECIFIED TREATMENT INSTALLED TO THE DESIGN FLOW DEPTH COMPLETED DOWNSTREAM TO UPSTREAM AS CONSTRUCTION PROGRESSES. AN INSTALLATION DETAIL SHALL BE SHOWN ON THE PLANS.
8. ALL STORM DRAIN AND SANITARY SEWER LINES NOT IN PAVED AREAS ARE TO BE SEEDED AND MULCHED WITHIN 3 DAYS OF INITIAL BACKFILL UNLESS OTHERWISE SPECIFIED ON PLANS.
9. ELECTRIC POWER, TELEPHONE, AND GAS LINES ARE TO BE COMPACTED, SEEDED, AND MULCHED WITHIN 3 DAYS AFTER INITIAL BACKFILL UNLESS OTHERWISE SPECIFIED ON PLANS.
10. NO SLOPE SHALL BE GREATER THAN 2:1.
11. DURING CONSTRUCTION, ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY. SEDIMENT TO BE REMOVED TO A SUITABLE DISPOSAL AREA AND STABILIZED WITH PERMANENT VEGETATIVE COVER.
12. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL DISTURBED AREAS ARE STABILIZED.
13. AFTER FINE GRADING, ALL DISTURBED AREAS ARE TO BE PERMANENTLY SEEDED AND MULCHED IN ACCORDANCE WITH PERMANENT SEEDING NOTES SHOWN HEREON.
14. ALL SPOIL AND/OR BORROW MUST COME FROM AND GO TO A SITE WITH AN APPROVED EROSION AND SEDIMENT CONTROL PLAN.
15. CONTRACTOR TO ONLY OPEN UP LENGTH OF TRENCH THAT CAN BE CONSTRUCTED AND BACKFILLED IN ONE WORKING DAY IN PAVED AREAS.
16. CONTRACTOR TO PLACE EXCAVATED MATERIALS IN A DUMP TRUCK AND HAUL TO AN APPROVED LOCATION TO WASTE MATERIALS IN PAVED AREAS.
17. IN AREAS WHERE THE CONSTRUCTION TAKES PLACE OUTSIDE OF THE EXISTING ROADBED, CONTRACTOR TO INSTALL SILT FENCE ALONG THE DOWNHILL SIDE OF THE TRENCH BEFORE BEGINNING CONSTRUCTION AND PLACE EXCAVATED MATERIAL FROM THE TRENCH ON THE UPHILL SIDE.
18. IF DEWATERING OF THE TRENCH IS REQUIRED, CONTRACTOR TO PUMP WATER TO AN APPROVED DEWATERING DEVICE.
19. CONTRACTOR TO SWEEP STREETS OF ANY DEBRIS OR SEDIMENTS CAUSED BY CONSTRUCTION OPERATIONS AND DISPOSE OF AT AN APPROVED LOCATION.
20. CONTRACTOR TO STABILIZE ALL DISTURBED AREAS WITH SEED & MULCH OR APPROPRIATE STREET REPAIR.

UTILITY WORK AND SECONDARY UTILITY NOTES SAMPLE

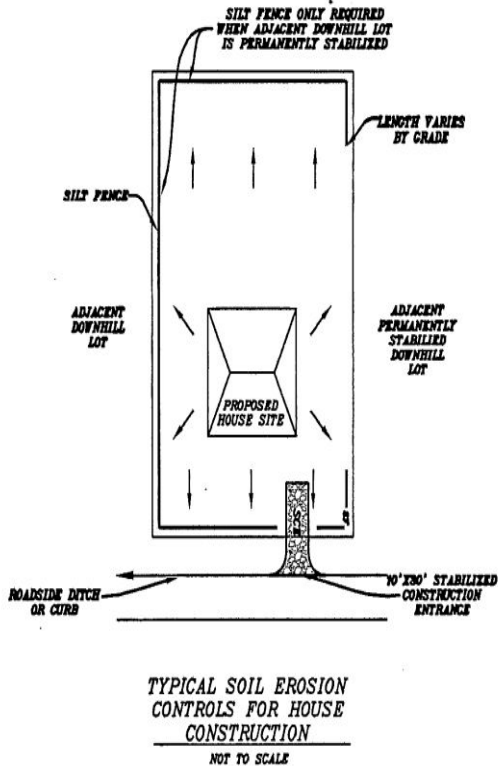
FOR UTILITY WORK ONLY OR FOR OFF-SITE UTILITY WORK

1. Disturbance outside of limit of disturbed area can not exceed 5,000 square feet.
2. Place all excavated material on high side of trench.
3. Only do as much work as can be done in one day so backfilling, final grading, seeding and mulching can occur.
4. Any sediment control measures disturbed by construction will be repaired the same day.

SECONDARY UTILITY NOTES

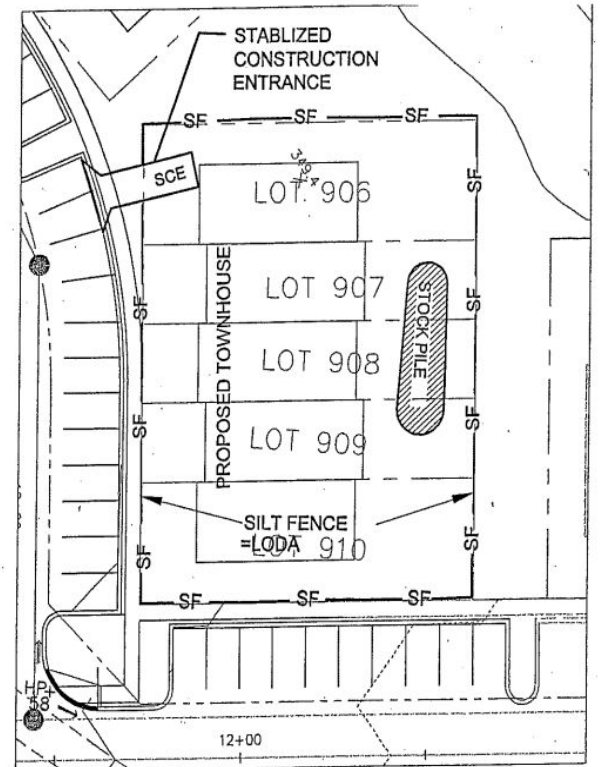
1. All disturbances from secondary utilities such as phone, cable, electric cable, cable tv, etc. will be subcontractors' responsibility to bring work area back to grade level that was existing and seed and mulch any disturbance from installation of lines or conduit.
2. Subcontractors will be responsible for re-installing or repairing any silt fence or sediment control that were existing to maintain proper sediment control that might have been damaged.

HOME CONSTRUCTION PHASE DETAIL SAMPLE



HOME CONSTRUCTION PHASE DETAIL

- A. REGIONAL SEDIMENT CONTROL DEVICES MUST REMAIN IN PLACE WHERE SINGLE-FAMILY HOME CONSTRUCTION IS ACTIVE. IN THOSE AREAS WHERE SINGLE-FAMILY HOME CONSTRUCTION REMAINS ACTIVE, THE HOME BUILDER MUST INSTALL INDIVIDUAL STABILIZED CONSTRUCTION ENTRANCES FOR EACH HOME SITE.
- B. AS INTERMITTENT HOUSES ARE PERMANENTLY STABILIZED, REGIONAL PERIMETER CONTROLS FOR THAT LOT ONLY MAY BE REMOVED WITH PERMISSION FROM THE INSPECTOR. ADDITIONAL CONTROLS MAY BE NECESSARY AS DETERMINED IN THE FIELD TO PREVENT SEDIMENT LOSS ONTO COMPLETED LOTS AND TO PROVIDE COMPLETE CAPTURE.
- C. AS FINAL LOT GRADE IS ESTABLISHED, TOPSOIL SHALL BE SPREAD AND STABILIZED PER THE PERMANENT SEEDING SPECIFICATIONS.
- D. AFTER PERMANENT STABILIZATION OF ALL BUILDING LOTS, REMAINING PERIMETER CONTROL MEASURES MAY BE REMOVED WITH APPROVAL BY THE EROSION AND SEDIMENT CONTROL INSPECTOR.



TYPICAL SEC FOR TOWNHOUSE CONSTRUCTION

SCALE: 1" = 30'

STANDARD DRAWING FOR ENGINEERING STRUCTURES OR REFERENCE TO SPECIFICATIONS

