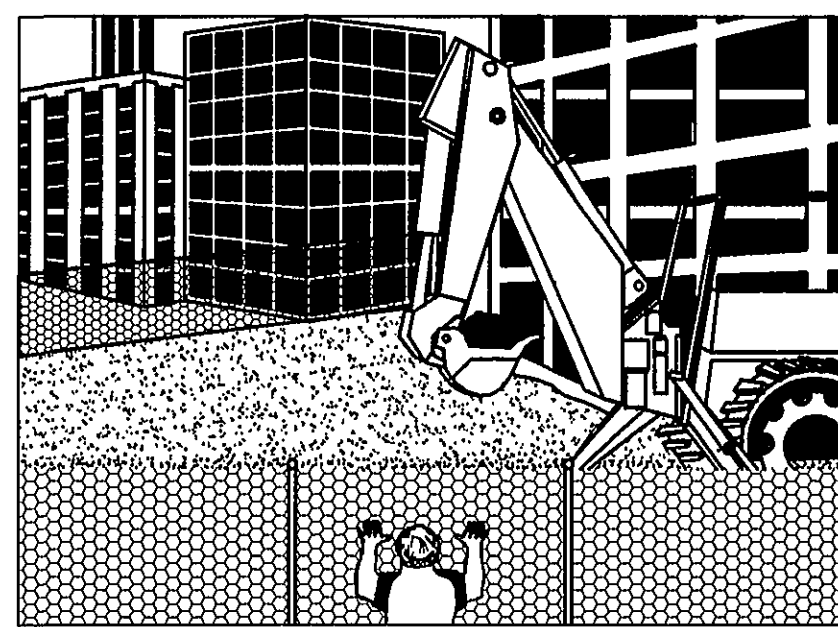
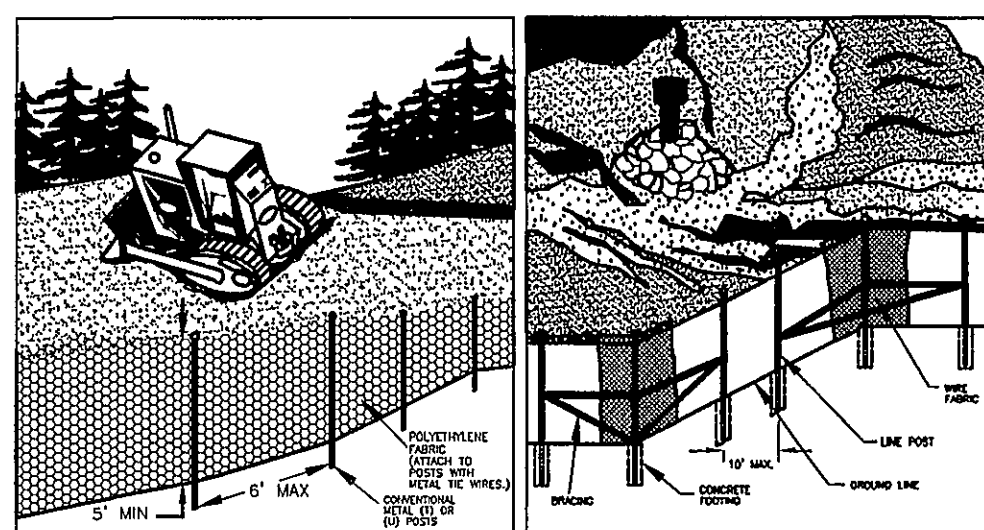


SAFETY FENCE



PERSPECTIVE VIEW



PERSPECTIVE VIEW
PLASTIC FENCE

PERSPECTIVE VIEW
METAL FENCE

MAINTENANCE OF EROSION CONTROL MEASURES

In general, all erosion and sediment control measures shall be checked after each rainfall or weekly, whichever is most frequent, and should be cleaned and repaired according to the following schedule:

- The sediment traps will be checked regularly for sediment clean out.
- The sediment basins will be cleaned out when the level of sediment buildup reaches the clean out point indicated on the SWM-OR.
- Erosion and sediment control measures will be checked regularly for undermining or deterioration and buildup or clogging with sediment. Corrective action will be taken immediately.
- All seeded areas will be checked regularly to see that a good stand is maintained. Areas should be fertilized and re-seeded as necessary.
- All temporary erosion and sediment control measures shall be disposed of within thirty (30) days after final site stabilization is achieved and vegetation is established.

MANAGEMENT STRATEGIES AND SEQUENCE OF EROSION CONTROL MEASURES

Unless otherwise indicated, all erosion and sediment control practices shall be constructed and maintained in accordance with the minimum standards and specifications of the latest edition of the Virginia Erosion and Sediment Control Law and Regulations and the Virginia Erosion and Sediment Control Handbook.

The following sequence of events and erosion control measures shall be incorporated into the construction schedule for this project and shall apply to all construction activities within project limits:

- Temporary construction entrance(s) shall be provided at the location(s) shown on the plans. Entrance(s) shall be constructed in accordance with the Virginia Erosion and Sediment Control Handbook (Std. & Spec. 3.02). Wash racks are to be provided where water is available.
 - Where construction vehicle access routes intersect paved public roads, provisions shall be made to minimize the transport of sediment onto the paved surface. Where sediment is transported onto a paved public road surface, the road shall be cleaned thoroughly at the end of each day. Sediment shall be removed from the roads by shoveling or sweeping and transported to a sediment control disposal area. Street washing shall be allowed only after sediment is removed in this manner. This provision shall apply to individual subdivision lots as well as larger land disturbing activities.
 - Construction traffic shall be limited to access roads. All traffic is prohibited from crossing drainage swales and streams except where absolutely necessary (Std. & Spec. 3.24 VE&SC Handbook).
- Temporary sediment traps, sediment barriers, construction entrances, and erosion control stone are to be placed prior to clearing and grubbing and prior to the first phase of construction and all disturbed areas are to drain to approved sediment control measures at all times during land disturbing activities.
- All permanent storm water management facilities including erosion control measures are to be installed and made operational at the start of clearing operations, including approved sediment basins.
- The contractor shall complete drainage facilities within thirty (30) days following completion of rough grading at any point within the project.
- Construction will be sequenced so that grading operations can begin and end as quickly as possible.
- Areas which are not to be disturbed will be clearly marked by fencing, flags, signs, etc.
- Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the site. Temporary soil stabilization shall be applied within seven (7) days to denuded areas that may not be at final grade but will remain dormant (undisturbed) for longer than thirty (30) days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one (1) year.
- The contractor is responsible for the installation of any additional erosion and sediment controls necessary to prevent erosion and sedimentation as determined by the Environmental Engineering Dept.
- Periodic inspections and required maintenance must be provided, especially after each significant storm. The project superintendent shall be responsible for the installation and maintenance of all erosion and sediment control measures.
- The plan approving authority must be notified one (1) week prior to the pre construction conference, one (1) week prior to the commencement of land disturbing activity, and one (1) week prior to the final inspection.
- All temporary erosion and sediment control measures shall be removed within thirty (30) days after final site stabilization or after the temporary measures are no longer needed, unless otherwise authorized by the local program administrator. Trapped sediment and the disturbed soil areas resulting from the disposition of temporary measures shall be permanently stabilized to prevent further erosion and sedimentation.

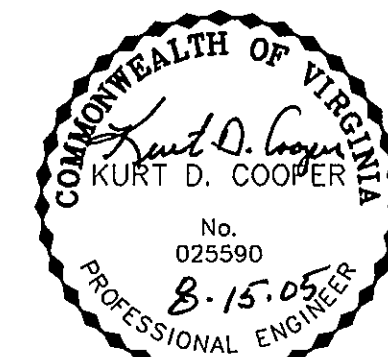


**Kimley-Horn
and Associates, Inc.**
1500 FOREST AVENUE, SUITE 115
RICHMOND, VIRGINIA 23229

CONSULTANT:

KIMLEY-HORN AND ASSOC.
1500 FOREST AVENUE
TEL (804) 673-3882
FAX (804) 673-3980

SEAL:



CVS/
pharmacy
13,013 S.F. PROTOTYPE
STORE NUMBER: #3949

INTERSECTION OF
BRANDON AVE & COLONIAL AVE.
ROANOKE, VIRGINIA

OWNER/DEVELOPER:

THE REBKEE COMPANY
1020 OLD BON AIR ROAD
RICHMOND, VA 23235
PHONE: (804) 560-0500
FAX: (804) 560-0778

REVISIONS:

LAYOUT COORD: COB

PLANNING MGR. COB

DRAWING BY: MRA

DATE: 05/09/05

JOB NUMBER: 113001048

TITLE:

**E & S NOTES
& DETAILS**

SHEET NUMBER:

C11

COMMENTS:

**ROANOKE, VA
CVS STORE 3949**

SEEDING

SEEDING	Seeding Dates	Line and Fertilizer	Seeding procedure	Mulching	Maintenance
TEMPORARY Seeding Rates Rye - 3 BU/AC or Wheat - 2 BU/AC Rye - 30-35 LBS/AC Spring Date - 3 BU/AC or Spring Date - 1.5 BU/AC plus Korean Leysperma - 20 LBS/AC or Lupinus albus - 30-40 LBS/AC or Millet - 30-40 LBS/AC or Sorghum Cross - 30-40 LBS/AC	Aug. 1 - Dec. 15 Feb. 1 - May 1	Line 1 ton agricultural limestone or equivalent per acre. Fertilizer: 1000 LBS 10-15-10 or equivalent per acre.	Broadcast or drill seed uniformly and cover to a depth of 1/4" to approx. 2 inch (depending on seed mixture). Except where a grain drill is used, seed should be covered and the seedbed formed by the use of corrugated agricultural cultivator. Seeding implements should be used at right angles to the general slope to minimize erosion.	1.5 to 2 tons small grain straw per acre immediately after seeding.	
SEMI PERMANENT AND PERMANENT Seeding Rates (RATE PER ACRE WITHOUT TURF REQUIREMENT) 40-70 LBS Tall fescue (KY-31) 2 LBS Ladino 8 LBS Red clover or 20-40 LBS Tall fescue (KY-31) 25 LBS Sericea Lespedeza for spring seeding (RATE PER 1000 SF WITH TURF REQUIREMENT) 8-10 LBS Tall fescue (KY-31) 2 LBS Common Bermuda (hulled seed) 7 LBS Common Bermuda (unhulled seed) Tall fescue (Bermuda) seed plugs on 1' centers springs 7 BU broadcast U-3 (Bermuda) seed plugs on 1' centers springs 7 BU broadcast Zoysia (meyer & emerald) seed plugs on 1' centers springs 7 BU broadcast	Aug. 1 - Nov. 1 Feb. 1 - May 15 Mar. - Apr. May - Oct. Spring Fall Mar. - April Mar. - July Mar. - April	Line: 2 tons ground limestone or equivalent per acre. Fertilizer: 1000 LBS 10-20-10 or equivalent per acre.	Seeding may be a hydroseeder or conven- tional methods. With conventional methods a cultipacker should be used before and after seeding. This is accomplished with a seed-cultipacker combination. Prepare ground and grade to permit use of conventional equipment for liming, fertilizing, cultivating and seeding. Topsoil shall be required for semi permanent and permanent seeding if: 1. Existing soil contains less than 25% fine grained materials (silt and clay). 2. Existing soil porosity prevents adequate root penetration 3. Existing soil contains concentrations of toxic elements. Composition of topsoil: 1. 35% minimum of fine grained materials 2. 1.5% minimum of organic materials Topsoil shall be placed at four (4) inch depth	1 to 2 tons straw per acre or 1000 LBS wood chips per acre or 45,560 SF of mulch per acre Mulch immediately after seeding is complete. Apply at a uniform rate completely covering 50% to 75% of seeded area.	Irrigate, repair erosion and reseed as needed, unless otherwise authorized by the local program administrator. Trapped sediment and the disturbed soil areas resulting from the disposition of temporary measures shall be permanently stabilized to prevent further erosion and sedimentation.