SOIL CONDITIONING INCORPORATION OF LIME AND FERTILIZER, SELECTION OF CERTIFIED SEED,

MULCHING, MAINTENANCE OF NEW SEEDLINGS, AND RESEEDING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS CONTAINED WITHIN THE VA ESCH.

ADDITIONAL SEEDING TO BE PERFORMED AS REQUIRED BY THE INSPECTOR.

SEED APPLICATION APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEDER ON A FIRM, FRIABLE SEEDBED, MAX. SEEDING DEPTH

PERMANENT SEEDING MIXTURE VA ESCH STD & SPEC 3.32

SHALL BE 1/4 INCH.

APPLIED IN ACCORDANCE WITH SECTION 3.35 OF THE VIR-

SEED APPLICATION: APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER,

TEMPORARY SEEDING MIXTURE

VA ESCH STD & SPEC 3.31

GINIA EROSION AND SEDIMENT CONTROL HANDBOOK, 3rd ED.

DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER ON A FIRM, FRIABLE SEEDBED. MAX. SEEDING DEPTH SHALL BE 1/4 INCH.

ESC NARRATIVE:

THE PURPOSE OF THIS PROJECT IS TO PROVIDE DEMOLITION AND GRADING FOR THE CONSTRUCTION OF AN ACCESSORY USE GARAGE AND APPROPRIATE DRIVEWAYS. THE SITE IS LOCATED IN BRAMMER VILLAGE AT 3009 PETERS CREEK ROAD, AND TO INSTALL A PRIVATE WATERLINE FOR FIRE SERVICE. THE AMOUNT OF LAND DISTURBANCE IS ESTIMATED AT 4,900 SQUARE FEET (0.11 ACRES).

THE UNDEVELOPED SITE SLOPES FROM THE REAR OF THE SITE TO PETERS CREEK ROAD, IN A NORTHERLY DIRECTION. SLOPES RANGE FROM FROM 2% TO 15%.

THE SITE FRONTS ON PETERS CREEK ROAD ALONG THE NORTH SIDE. THREE PARKING SPACES WILL BE LOST ON THE ADJACENT PROPERTY TO THE WEST, TAX # 6410103. THE PARKING SPACES ARE PROVIDED IN THE DRIVES.

SOILS
AS IDENTIFIED BY THE U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, GENERAL SOIL MAP, THE BASIC SOIL MATERIAL IS FREDERICK-URBAN LAND-CHILHOWIE (21C).

<u>CRITICAL EROSION AREAS</u>
THERE ARE NO CRITICAL EROSION AREAS.

EROSION AND SEDIMENT CONTROL MEASURES UNLESS OTHERWISE STATED ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH MINIMUM STANDARDS AND SPECIFICATIONS OF THE LATEST EDITION OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK".

STRUCTURAL PRACTICES

SILT FENCE (3.05) - A TEMPORARY SEDIMENT BARRIER CONSTRUCTED OF POSTS, FILTER FABRIC AND, IN SOME CASES, A WIRE SUPPORT FENCE, PLACED ACROSS OR AT THE TOE OF A SLOPE OR IN A MINOR DRAINAGE WAY TO INTERCEPT AND DETAIN SEDIMENT AND DECREASE FLOW VELOCITIES FROM DRAINAGE AREAS OF LIMITED SIZE; APPLICABLE WHERE SHEET AND RILL EROSION OR SMALL CONCENTRATED FLOWS MAY BE A PROBLEM. MAXIMUM EFFECTIVE LIFE OF 6

SILT FENCE WILL BE USED ON THIS PROJECT AND IS SHOWN ON THE DRAWINGS.

TEMPORARY SEEDING (3.31) - ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER ON DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR PERIODS OF 30 DAYS TO ONE YEAR BY SEEDING WITH APPROPRIATE RAPIDLY-GROWING PLANTS.

TEMPORARY SEEDING WILL BE USED ON THIS PROJECT AND IS SHOWN ON THE DRAWINGS.

PERMANENT SEEDING (3.32) - ESTABLISHMENT OF PERENNIAL VEGETATIVE COVER BY PLANTING SEED ON ROUGH-GRADED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A YEAR OR MORE OR WHERE PERMANENT, LONG-LIVED VEGETATIVE COVER IS NEEDED ON FINE-GRADED AREAS.

PERMANENT SEEDING WILL BE USED ON ALL FINISHED AREAS OUTSIDE OF THE PARKING AND DRIVEWAY AREAS. MANAGEMENT STRATEGIES

1. CONSTRUCTION WILL BE SEQUENCED TO BEGIN AND END GRADING OPERATIONS AS QUICKLY AS POSSIBLE.

2. THE SILT FENCE WILL BE INSTALLED AS THE FIRST STEP OF THE GRADING PROCESS.

3. ALL AREAS SHALL BE SEEDED WITH PERMANENT STABILIZATION AS SOON AS THEY REACH FINAL GRADE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES.

5. ONCE THE SITE HAS BEEN STABILIZED, THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY BE REMOVED AND THOSE AREAS BROUGHT TO FINAL GRADE AND STABILIZED.

PERMANENT STABILIZATION

ALL DISTURBED AREAS SHALL RECEIVE PERMANENT STABILIZATION ACCORDANCE WITH THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK", STD AND SPEC. 3.32 AS SOON AS THOSE AREAS ARE BROUGHT TO FINAL GRADE. FOR PERMANENT SEEDING MIXTURE SEE THE EROSION AND SEDIMENT CONTROL DETAIL SHEET.

MAINTENANCE

→ 2" X 2" HARDWOOD STAKE

TOP 1/3 OF BALL

TWICE BALL DIAMETER

TREE PLANTING - UP TO 4" CALIPER

NO SCALE

Points A higher than point B

PLACEMENT IN DRAINAGE WAY

SILT FENCE

VA ESCH STD. & SPEC. 3.05

SHREDDED HARDWOOD BAR

EARTH SAUCER AROUND TREE

GALVANIZED WIRE GUY

ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CHECKED DAILY AND AFTER ALL SIGNIFICANT RAINFALL. IN PARTICULAR:

1. SILT FENCE SHALL BE CHECKED REGULARLY TO ENSURE THAT THE FABRIC HAS NOT BEEN UNDERMINED OR HAS DETERIORATED. SEDIMENT SHALL BE REMOVED WHEN LEVEL OF BUILDUP REACHES HALFWAY UP THE BARRIER.

2. AREAS WHICH HAVE RECEIVED SEEDING SHALL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND OF GRASS IS MAINTAINED. AREAS SHALL BE FERTILIZED AND RESEEDED AS REQUIRED.

OFFSITE WASTE AND BORROW NOTE:

THE PROPOSED DEVELOPMENT DOES NOT ANTICIPATE OFF-SITE WASTE/BORROW AREAS; HOWEVER, SHOULD THE PROJECT REQUIRE OFF-SITE WASTE AREAS OR BORROW AREAS, THE LOCATION OF THESE AREAS ASSOCIATED WITH THE CONSTRUCTION PROJECT WILL BE PROVIDED TO THE CITY OF ROANOKE. EROSION CONTROL PLANS OR MEASURES MAY BE REQUIRED FOR THESE OFF-SITE

GENERAL EROSION & SEDIMENT CONTROL NOTES:

1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

2. THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS.

3. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN SHALL BE PLACED IN ADVANCE OF THE WORK BEING PERFORMED, AS FAR AS PRACTICAL.

4. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.

5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF

6. FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

EROSION AND SEDIMENT CONTROL REGULATIONS

MINIMUM STANDARDS:

MS-1. 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 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.

MS-2. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.

MS-3. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.

MS-4. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.

MS-5. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

816 Boulevard Salem, Virginia 24153

the sole risk of the individual or entity utilizing said

Fax: 540-389-5767 www.parkerdg.com These documents are the property of Parker Design Group(PDG) and may not be reproduced or used rithout the express permission of PDG. Any reuse of

Phone: 540-387-1153

8-20-2008

பி el 2 a \square $\mathbf{\omega}$ 0 7 7

DESIGNED BY:

1" = 10"

June 12, 2008

06 OF 07 PROJECT NUMBER:

SHEET TITLE:

Development