

**EROSION AND SEDIMENT CONTROL NARRATIVE**

**PROJECT DESCRIPTION**  
THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A SANITARY SEWER LINE.

**EXISTING SITE CONDITIONS**  
THIS SITE IS GENTLY SLOPED AND DRAINS TO AN EXISTING ROADSIDE DITCH LOCATED ON NORTH BARRENS ROAD.

**ADJACENT AREAS**  
THIS DEVELOPMENT IS BORDERED ON THE SOUTH EAST BY NORTH BARRENS ROAD, TO THE EAST, NORTH AND WEST BY RESIDENTIAL LOTS.

**OFFSITE AREAS**  
NO OFFSITE FILL OR BORROW SITES ARE COVERED BY THIS EROSION AND SEDIMENT CONTROL PLAN. THE LOCATION OF ALL OFF-SITE FILL AREAS OR BORROW AREAS ASSOCIATED WITH THE CONSTRUCTION PROJECT WILL BE PROVIDED TO THE ROANOKE COUNTY COMMUNITY DEVELOPMENT DEPARTMENT. AN EROSION CONTROL PLAN OR MEASURES MAY BE REQUIRED FOR THESE AREAS.

**CRITICAL AREAS**  
NO CRITICAL AREAS HAVE BEEN IDENTIFIED.

**SOILS**  
THE SOILS IN THIS AREA ARE MOSTLY TUMBLING LOAM (49B AND 49C) ACCORDING TO USDA SOIL SURVEY OF ROANOKE COUNTY; THESE ARE WELL DRAINED SOILS WITH LOW ORGANIC CONTENTS AND MEDIUM EROSION POTENTIAL.

**EROSION AND SEDIMENT CONTROL MEASURES**

**CONSTRUCTION ENTRANCE (3.02)** - A STONE CONSTRUCTION ENTRANCE WILL BE INSTALLED TO MINIMIZE THE AMOUNT OF MUD TRANSPORTED OFF SITE.

**SILT FENCE (3.05)** - SILT FENCE WILL BE INSTALLED AS SHOWN ON THE PLAN TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT FROM DISTURBED AREAS DURING CONSTRUCTION OPERATIONS.

**CULVERT INLET PROTECTION (3.08)** - INLET PROTECTION WILL BE INSTALLED AS SHOWN ON THE PLAN TO PREVENT SEDIMENT FROM ENTERING, ACCUMULATING IN AND BEING TRANSFERRED BY A CULVERT.

**PERMANENT STABILIZATION**  
ALL AREAS ONSITE WHICH WILL NOT RECEIVE BUILDINGS OR PAVEMENT MUST RECEIVE PERMANENT SEEDING AS SOON AS THOSE AREAS REACH FINAL GRADE. FOR PERMANENT SEEDING SPECIFICATIONS PLEASE SEE SHEET 6 OF 7.

**STORMWATER MANAGEMENT**  
NO INCREASE IN IMPERVIOUS AREA IS PROPOSED WITH THIS PLAN AND THEREFORE NO STORMWATER MANAGEMENT FACILITIES ARE REQUIRED.

**MAINTENANCE**  
ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL. IN PARTICULAR:

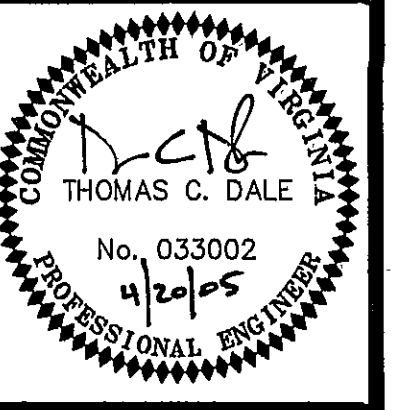
1. THE SILT FENCE WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP. CLEAN OUT AS NECESSARY.
2. INLET PROTECTION WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE. IF STONE IS CLOGGED BY SEDIMENT, IT WILL BE REMOVED AND CLEANED OR REPLACED.
3. THE CONSTRUCTION ENTRANCE WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP. IF STONE IS CLOGGED BY SEDIMENT, IT WILL BE REMOVED AND CLEANED OR REPLACED.
4. ALL SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND OF GRASS IS MAINTAINED. AREAS SHALL BE FERTILIZED AND RESEDED AS REQUIRED TO ACHIEVE A GOOD STAND OF GRASS.

**SCALE**  
HOR : 1" = 30'  
VER : 1" = 10'

**LUMSDEN ASSOCIATES, P.C.**  
ENGINEERS-SURVEYORS-PLANNERS  
ROANOKE, VIRGINIA

PHONE: (540) 774-4411  
FAX: (540) 772-9445  
E-MAIL: MAIL@LUMSDENPC.COM

4664 BRAMBLETON AVENUE  
P.O. BOX 20669  
ROANOKE, VIRGINIA 24018



**EROSION & SEDIMENT CONTROL PLAN & SEWER PROFILE**

**SANITARY SEWER EXTENSION FOR LOT 8-A, BLOCK 5, BELLE HAVEN (P.B. 22 PG. 198)**

PREPARED FOR  
**ROBERT A. ENGLISH**  
HOLLINS MAGISTERIAL DISTRICT  
ROANOKE COUNTY, VIRGINIA

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| 1   |      |             |
| 2   |      |             |
| 3   |      |             |
| 4   |      |             |
| 5   |      |             |

DATE: April 20, 2005  
SCALE: 1" = 30'  
COMMISSION NO: 2004-269  
SHEET 5 OF 7