TEMPORARY SEEDING MIXTURE VA ESCH STD & SPEC 3.31

01 MARCH TO 30 APRIL
WINTER RYE (SECALE CERALE) @ 2 1/2 LB / 1000 SF
OR ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM) @ 1 1/2 LF / 1000 SF
OR KOREAN LESPEDEZA (LESPEDEZA STIPULACEA) @ 1 1/2 LF / 1000 SF

O1 MAY TO 15 AUGUST
GERMAN MILLET (SETARIA ITALICA) @ 1 LB / 1000 SF
OR WEEPING LOVEGRASS (ERAGROSTIS CLRVULA) @ 5 1/2 OZ / 1000 SF
OR KOREAN LESPEDEZA (LESPEDEZA STIPULACEA) @ 1 1/2 LF / 1000 SF

15 AUGUST TO 01 NOVEMBER
WINTER RYE (SECALE CERALE) @ 1 LB / 1000 SF AND ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM) @ 1 LF / 1000 SF

MULCH: SHALL BE USED OVER ALL SEEDED AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 3.35 OF THE VIR-GINIA EROSION AND SEDIMENT CONTROL HANDBOOK, 3rd ED.

SEED APPLICATION: APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER ON A FIRM, FRIABLE SEEDBED. MAX. SEEDING DEPTH SHALL BE 1/4 INCH.

PERMANENT SEEDING MIXTURE

TYPE A (SLOPES FLATTER THAN 3:1)

15 OCTOBER TO 1 FEBRUARY 1 JUNE TO 1 SEPTEMBER K-31 FESCUE @ 5 LB / 1000 SF K-31 FESCUE @ 5 LB / 1000 SF BORZY WINTER RYE @ 1/2 LB / 1000 SF GERMAN MILLET @ 1/2 LB / 1000 SF

1 FEBRUARY TO 1 JUNE K-31 FESCUE @ 5 LB / 1000 SF 1 SEPTEMBER TO 15 OCTOBER K-31 FESCUE @ 5 LB / 1000 SF ANNUAL RYE @ 1/2 LB / 1000 SF ANNUAL RYE @ 1/2 LB / 1000 SF

FERTILIZER: 5-20-10 @ 25 LB / 1000 SF

15 MARCH TO 1 MAY CROWN VETCH @ 1/2 LB / 1000 SF PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF RED TOP @ 1/8 LB / 1000 SF 15 AUGUST TO 1 OCTOBER

CROWN VETCH @ 1/2 LB / 1000 SF PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF RED TOP @ 1/8 LB / 1000 SF 140 LB / 1000 SF PULVERIZED AGRICULTURAL LIMESTONE

TYPE B (SLOPES 3:1 OR STEEPER)

38-0-0 **9** 7 LB / 1000 SF SHALL BE USED OVER ALL SEEDED AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 3.35 OF THE VA ESCH.

SDIL 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 HYDROSEEDER ON A FIRM, FRIABLE SEEDBED. MAX. SEEDING DEPTH SHALL BE 1/4 INCH.

EROSION & SEDIMENT CONTROL NARRATIVE:

PROJECT DESCRIPTION THE PURPOSE OF THIS PROJECT IS TO INSTALL APPROXIMATELY 2,200 LF OF 8" AND 6" DUCTILE IRON WATER PIPE ALONG THE SHOULDER OF MOREWOOD ROAD (ROUTE 616) WITHIN THE VOOT RIGHT OF WAY. THE DISTURBED AREA IS APPROXIMATELY 1.0 ACRES, CALCULATED BASED ON DISTURBANCE OF APPROXIMATELY 20' WIDE PATH ALONG THE PLACEMENT OF THE WATERLINE. NO STORMWATER DETENTION OR MANAGEMENT IS

EXISTING CONDITIONS
THE PROPOSED SITE IS THE ROAD SHOULDER ALONG MOREWOOD ROAD. THERE ARE NO STORMWATER SYSTEMS, PIPES, OR DROP INLETS PRESENT. THE PROJECT DOES NOT CROSS ANY STREAMS.

ADJACENT PROPERTY
THE PROJECT IS BOUNDED BY MOREWOOD ROAD ON ONE SIDE AND INDIVIDUAL PROPERTIES ON THE OTHER.

AS IDENTIFIED BY THE U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, GENERAL SOIL MAP, THE BASIC SOIL MATERIAL IS APPROXIMATELY 90% CLIFFORD FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES AND 10% CLIFFORD FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES.

CRITICAL EROSION AREAS NO CRITICAL AREAS ARE ANTICIPATED WITH THIS DEVELOPMENT. MS-16 SHALL BE HONORED AT ALL TIMES INCLUDING: -NO MORE THAN 500 LINEAR FEET OF TRENCH SHALL BE OPEN AT ONE TIME.

-EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES. -EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.

-MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION. -RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.

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 "MRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK".

STRUCTURAL PRACTICES

TEMPORARY CONSTRUCTION ENTRANCE (3.02) - A TEMPORARY CONSTRUCTION ENTRANCE WILL NOT BE UTILIZED FOR THIS PROJECT. WHEELED EQUIPMENT WILL BE RESTRICTED TO PAVED AREAS AND CONSTRUCTION EQUIPMENT UTILIZED FOR INSTALLATION OF THE WATER LINE WILL BE RESTRICTED TO THE DISTURBED AREA.

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 MONTHS.

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

-APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

STORM DRAIN INLET PROTECTION (3.07) - THERE ARE NO EXISTING OR PROPOSED STORM DRAIN INLETS ON THIS PROJECT.

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-GROWNG PLANTS.

TEMPORARY SEEDING WILL MOST LIKELY NOT BE NECESSARY DUE TO THE TIMING OF THE PROJECT. SHOULD A DELAY OCCUR, TEMPORARY SEEDING WILL BE USED AS NECESSARY.

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. SILT FENCE SHALL BE INSTALLED AS THE FIRST STEP OF THE CONSTRUCTION PROCESS.

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

3. STABILIZATION OF DISTURBED AREAS SHALL BE SEEDED WITH TEMPORARY OR PERMANENT SEEDING.

4. ONCE THE SITE HAS BEEN STABILIZED, THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL 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

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

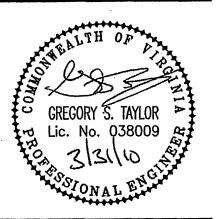
1. SILT FENCE SHALL BE CHECKED REGULARLY TO ENSURE THAT THE FABRIC HAS NOT BEEN UNDERMINED OR HAS DETERIORATED. SEDIMENT SHALL BE REMOVED WHEN LEVEL OF BUILDUP REACHES HALFWAY UP THE BARRIER.

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.

ENGINEERS • SURVEYORS • PLANINERS • LANDSCAPE ARCHITECT

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Details

PROJECT NUMBER

As Noted

March 30, 2010.