

SURVEYED BY _____
 SUPERVISED BY _____
 DESIGNED BY _____

ROADSIDE DEVELOPMENT

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

| REVISION | DATE | PERSON AND PROJECT | DATE | STATE PROJECT | NO. OF SHEETS |
|----------|------|--------------------|------|---------------|---------------|
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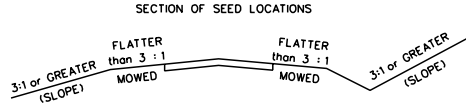
CORE MIX

| MIX | LBS./ACRES | DESCRIPTION |
|----------------|------------|--|
| 1 | ▲ | X 100% CERTIFIED FINE FESCUE |
| 2 | ▲ | 100% CERTIFIED TALL FESCUE |
| 3 | ▲ | 50% CERTIFIED TALL FESCUE X 50% CERTIFIED FINE FESCUE |
| 4 | ▲ | 50% ORCHARDGRASS 50% CERTIFIED KENTUCKY BLUEGRASS |
| 5 | ▲ | 100% BERMUDAGRASS |
| TEMPORARY | | |
| 3/1 - 5/16 and | 50 | 50% CERTIFIED TALL FESCUE |
| 8/16 - 3/1 | 50 | 50% BARLEY, WINTER RYE OR WINTER WHEAT |
| 5/16 - 8/16 | 50 | 50% FOXTAIL MILLET |
| | 50 | 50% CERTIFIED TALL FESCUE |

ADDITIVES

| TYPE | LBS./ACRES | DESCRIPTION |
|------|------------|---|
| A | ▲ | 100% LOVEGRASS |
| B | ▲ | 100% BARLEY, WINTER RYE OR WINTER WHEAT |
| C | ▲ | 100% FOXTAIL MILLET |
| D | ▲ | 100% ANNUAL RYEGRASS |
| E | ▲ | 100% CROWNVELTCH (LEGUME) |
| F | ▲ | 100% SERICEA LESPEDEZA (LEGUME) |
| G | ▲ | 100% BIRDSFOOT TREFOL (LEGUME) |
| H | ▲ | |
| I | ▲ | |
| J | ▲ | |
| K | ▲ | |

▲ ALL RATES TO BE SPECIFIED BY THE DISTRICT ROADSIDE MANAGER
 X FINE FESCUES INCLUDE CHEWINGS, CREEPING RED, HARD, SHEEP



NOTES:

APPROXIMATELY _____ ACRES WILL BE DISTURBED ON THIS PROJECT AND WILL REQUIRE THE ESTABLISHMENT OF GRASSES AND/OR LEGUMES.

NOTES FOR FIELD USE ONLY

OVERSEEDING RATES SHALL BE 100 PERCENT OF THE SEED MIXTURE SUPPLIED WITHOUT FERTILIZER.

THE ENGINEER WILL REQUIRE THE CONTRACTOR TO PERFORM SUPPLEMENTAL SEEDING WHEN LESS THAN 75 PERCENT UNIFORM STAND OF THE PERMANENT GRASS SPECIFIED IN THE MIXTURES IS OBTAINED. (ANNUAL SPECIES SUCH AS RYE AND MILLET ARE TEMPORARY VARIETIES AND REQUIRE SUPPLEMENTAL SEEDING.)

NOTES APPLY TO SCHEDULE

LEGUME SEED MIXES (BIRDSFOOT TREFOL, CROWNVELTCH, AND SERICEA LESPEDEZA) AND WEEPING LOVEGRASS SHALL NOT BE USED ON SHOULDERS AND OTHER LOCATIONS FLATTER THAN 3:1 SLOPE.

LEGUME SEED SHALL BE INOCULATED WITH THE APPROPRIATE STRAIN AND RATE OF BACTERIA. FOR HYDROSEEDING, USE FIVE TIMES THE DRY SEEDING RATE OF INOCULATE.

A TEMPORARY MIX OR EROSION CONTROL MULCH, AS DIRECTED BY THE ENGINEER, IS TO BE USED ONLY ON AREAS THAT ARE TO BE REGRADED OR LATER DISTURBED, IF LEFT DORMANT FOR MORE THAN 15 DAYS.

EROSION CONTROL MULCH, AS DIRECTED BY THE ENGINEER, IS TO BE USED ON AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN 15 DAYS BETWEEN DECEMBER 1 AND FEBRUARY 28.

EROSION CONTROL MULCH, AS LISTED ON THE VDOT APPROVED PRODUCTS LIST, SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

EROSION CONTROL MULCH SHALL PROVIDE 100 PERCENT COVERAGE OF ALL DENUDE AREAS

SPRING & SUMMER AND FALL & WINTER DEFINED FOR THE PURPOSE OF DETERMINING WHETHER HULLED OR UNHULLED BERMUDAGRASS AND SERICEA LESPEDEZA SEED IS REQUIRED:

SPRING & SUMMER 4/1 - 9/15 - USE HULLED SEED
 FALL & WINTER 9/15 - 4/1 - USE UNHULLED SEED

TYPE I MULCH (STRAW) TO BE USED ON NEWLY SEEDED AREAS ADJACENT TO ALL WATERWAYS, WETLANDS, SWAMPS, OR ANY AREA IN WHICH DRAINAGE FLOWS TOWARD AREAS UNDER THE JURISDICTION OF THE ENVIRONMENTAL REGULATORY AGENCIES.

TYPE I MULCH SHALL BE APPLIED TO PROVIDE A MINIMUM 90 PERCENT COVERAGE.

TYPE I MULCH SHALL BE TACKED WITH FIBER MULCH AT THE RATE OF 750 LBS. PER ACRE AND/OR MULCH TACKIFIER.

TYPE II MULCH (FIBER MULCH) MAY BE SUBSTITUTED FOR TYPE I MULCH AT THE RECOMMENDATION OF THE DISTRICT ROADSIDE MANAGER.

TYPE II MULCH SHALL BE APPLIED AT A RATE OF 1500 LBS. (NET DRY WEIGHT) PER ACRE TO PROVIDE A MINIMUM OF 90 PERCENT COVERAGE, AND SHALL BE APPLIED IN A SEPARATE APPLICATION.

ALL TOPSOIL IS TO BE FREE OF HARD LUMPS, CLODS, ROCKS AND FOREIGN DEBRIS AND IS TO BE HAND RAKED TO TIE INTO EXISTING LAWNS.

ALL SEED MUST BE IN CONFORMANCE WITH VDOT SEED SPECIFICATIONS FOR GRASSES & LEGUMES AND BE PROVIDED AT THE PROJECT SITE IN BAGS NOT OPENED AND LABELED FOR USE ON VDOT PROJECTS WITH A GREEN TAG CERTIFYING INSPECTION BY THE VIRGINIA CROP IMPROVEMENT ASSOCIATION.

SEEDING SCHEDULE

| SLOPES SEED MIX WITH ADDITIVE | MOWED SEED MIX WITH ADDITIVE | SLOPES SEED MIX WITH ADDITIVE | MOWED SEED MIX WITH ADDITIVE | SLOPES SEED MIX WITH ADDITIVE | MOWED SEED MIX WITH ADDITIVE |
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| ROADSIDE DEVELOPMENT SUMMARY | | | | | | | | | | |
|------------------------------|------------------|------|--------------|--------------|------|----------------|-------------|---------------------|-------------------|--|
| PROJECT NUMBERS | TOPSOIL 2" CLASS | | REGULAR SEED | OVER SEEDING | LIME | FERT. 15-30-15 | LEGUME SEED | LEGUME OVER SEEDING | TEMPORARY SEEDING | |
| | A | B | | | | | | | | |
| | ACRES | LBS. | LBS. | TONS | TONS | LBS. | LBS. | LBS. | LBS. | |
| | | | | | | | | | | |
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⊗ DENOTES ITEM(S) TO BE PAID FOR ON BASIS OF PLAN QUANTITIES IN ACCORDANCE WITH CURRENT ROAD AND BRIDGE SPECIFICATIONS.

MIX REQUIREMENTS THIS PROJECT

RECOMMENDATIONS FOR THE APPLICATION OF SEED MIXTURES (CORE MIX AND ADDITIVES), FERTILIZER, LIME, ETC. ARE TO BE OBTAINED FROM THE DISTRICT ROADSIDE MANAGER.

REVISED 7/03
 SPECIAL DESIGN SECTION
 DRAWING NO. A-4

| DATE | PROJECT | DATE | NO. OF SHEETS |
|------|---------|------|---------------|
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