

**SEEDING FORMULA ITEM 651.15
RURAL CONSERVATION MIX**

ZMASS	Kg/HA	NAME	PUR %	GERM %
37.14	26.0	CREEPING RED FESCUE	98	85
37.14	26.0	TALL FESCUE	95	90
5.71	4.0	RED TOP	95	90
14.30	10.0	BIRDSFOOT TREFOIL	98	85
5.71	4.0	ANNUAL RYEGRASS	95	85
100.00	70.0			

URBAN CONSERVATION MIX

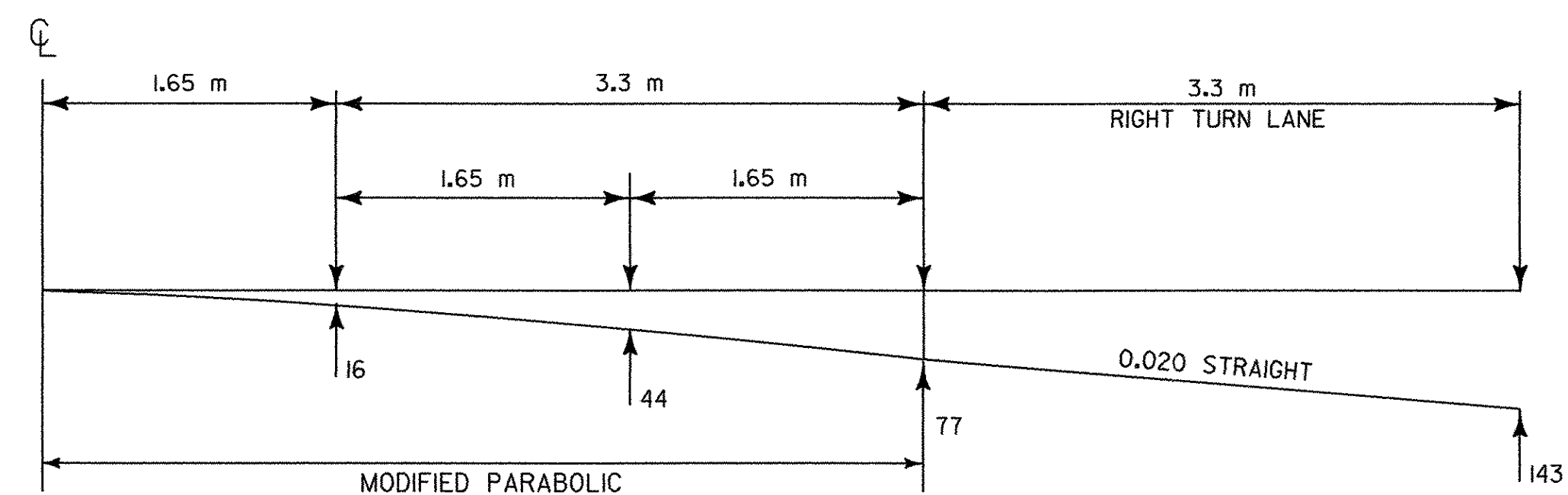
ZMASS	Kg/HA	NAME	PUR %	GERM %
42.2	38.0	CREEPING RED FESCUE	98	85
10.0	9.0	PERENNIAL RYEGRASS	95	90
42.2	38.0	KENTUCKY BLUEGRASS	85	85
5.6	5.0	ANNUAL RYEGRASS	95	85
100.00	90.0			

SEEDING NOTES

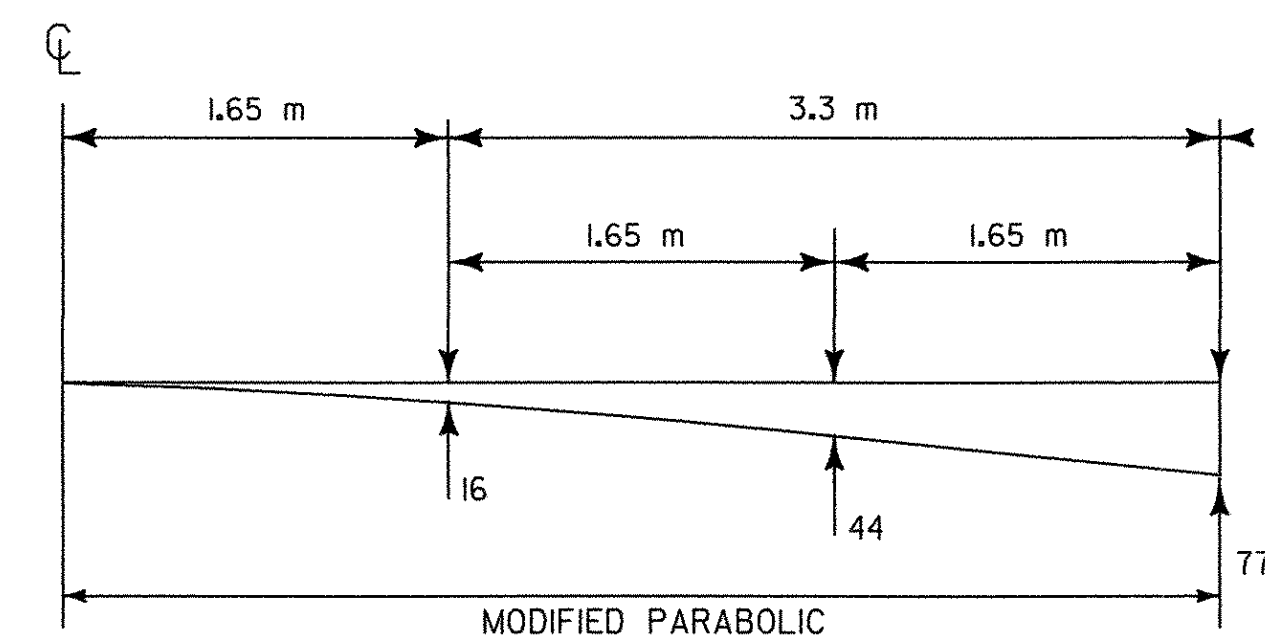
1. THE SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY MASS AND SHALL BE FREE OF ALL NOXIOUS SEED.
2. RURAL ROADSIDE: USE VTRANS RURAL CONSERVATION MIX AS INDICATED ON THE TYPICAL SECTIONS AND FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
URBAN LAWN: USE VTRANS URBAN CONSERVATION MIX AS INDICATED ON THE TYPICAL SECTIONS AND FOR ALL ESTABLISHED LAWN AREAS DISTURBED BY THE CONTRACTOR.
3. TEMPORARY SEED IS TO BE APPLIED AT THE SAME RATE AS RURAL CONSERVATION MIX (70 Kg/HA)
4. FERTILIZER: TO BE APPLIED AT A RATE OF 560 Kg/HA OR AS DIRECTED BY THE ENGINEER. (NOTE: HYDRO SEEDERS MAY USE A 20-20-20 FORMULA.)
5. AGRICULTURAL LIMESTONE TO BE APPLIED AT THE RATE OF 4500 Kg/HA OR AS DIRECTED BY THE ENGINEER.
6. HAY MULCH TO BE PLACED ON EARTH SLOPES AT THE RATE OF 250-300 BALES/HA OR ACHIEVE 90% GROUND COVERAGE OR AS DIRECTED BY THE ENGINEER.
7. TOPSOIL TO BE USED WITH SEED AS INDICATED ON THE TYPICALS OR AS DIRECTED BY THE ENGINEER.

GENERAL NOTES

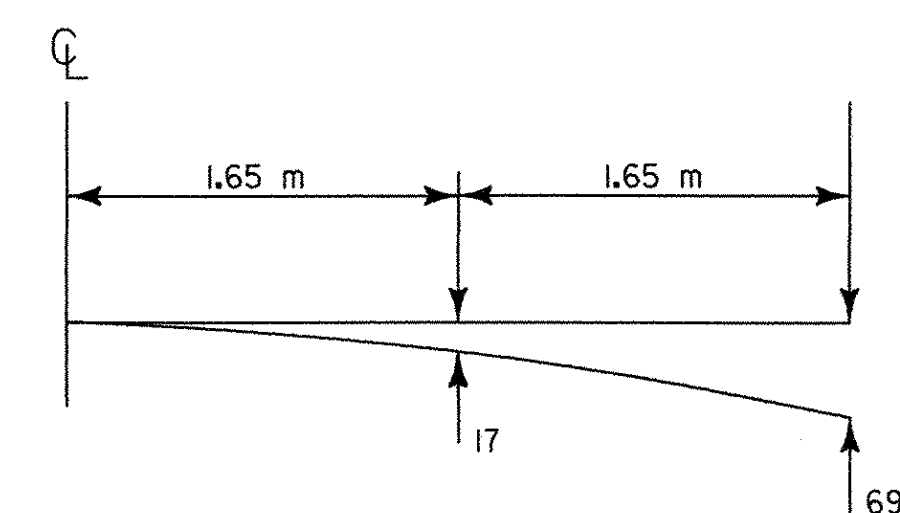
1. THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT WEARING COURSE SHALL BE TYPE IIIIS, THE ESTIMATED IS LEVELING COURSE SHALL BE TYPE IVS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS FOR PERFORMANCE GRADED ASPHALT BINDER.
2. GRASS GROWING ADJACENT TO EXISTING PAVEMENT OR THROUGH CRACKS IN THE EXISTING PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
3. EMULSIFIED ASPHALT TO BE APPLIED ON EXISTING PAVEMENT, BETWEEN ALL COURSES OF SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AND ON COLD PLANED SURFACES, AT THE RATE OF 0.068 Kg per m² OR AS DIRECTED BY THE ENGINEER.
4. COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS OTHERWISE NOTED ON THE PLANS. THE COLD PLANING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING OF ROUTE 9. COLD PLANE AREA AT THE NORTHERLY END OF THE PROJECT SHALL USE A VERTICAL COLD PLANE JOINT, SEE DETAIL ON MD-01.
5. ALL BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK, (SUCH AS U-TURN, RAMPS, AND AROUND DRAINAGE/UTILITY STRUCTURES) SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
6. SLOPE ROUNDING - ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5.
7. PAY LIMITS OF SAND BORROW WHEN USED IN CONJUNCTION WITH UNDERDRAIN - SEE DETAIL ON SHEET MD-01.
8. MARKER POSTS TO BE PLACED AS DIRECTED BY THE ENGINEER.



**MODIFIED PARABOLIC DETAIL
FOR ISLAND AND RIGHT TURN LANE
N.T.S.**



**MODIFIED PARABOLIC DETAIL
FOR LEFT TURN LANE
N.T.S.**



**PARABOLIC DETAIL
NORMAL SECTION
N.T.S.**

NOTE: ALL DIMENSIONS, NOTES, AND CALLOUTS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(51)
 FILE NAME: ...\\plot files\zd307d\typ.prf PLOT DATE: 2/27/2009
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
TYPICAL SECTIONS TS-05 SHEET 7 OF 367