



**SEEDING FORMULA  
URBAN AREAS**

% MASS	kg/ha	NAME	PUR %	GERM %
42.5	38.0	CREeping RED FESCUE	98	85
10.0	9.0	PERENNIAL RYE GRASS	95	90
42.5	38.0	KENTUCKY BLUE GRASS	85	85
5.0	5.0	ANNUAL RYE GRASS	95	85
100.0	90.0			

**GENERAL NOTES**

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY MASS AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 560 kg/ha. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 4500 kg/ha, OR AS DIRECTED BY THE ENGINEER.

HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 4500 kg/ha, OR AS DIRECTED BY THE ENGINEER.

TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.

SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5M.

PAY LIMITS OF SAND BORROW: WHEN USED IN CONJUNCTION WITH UNDERDRAIN - SEE STANDARD SHEET D-2M.

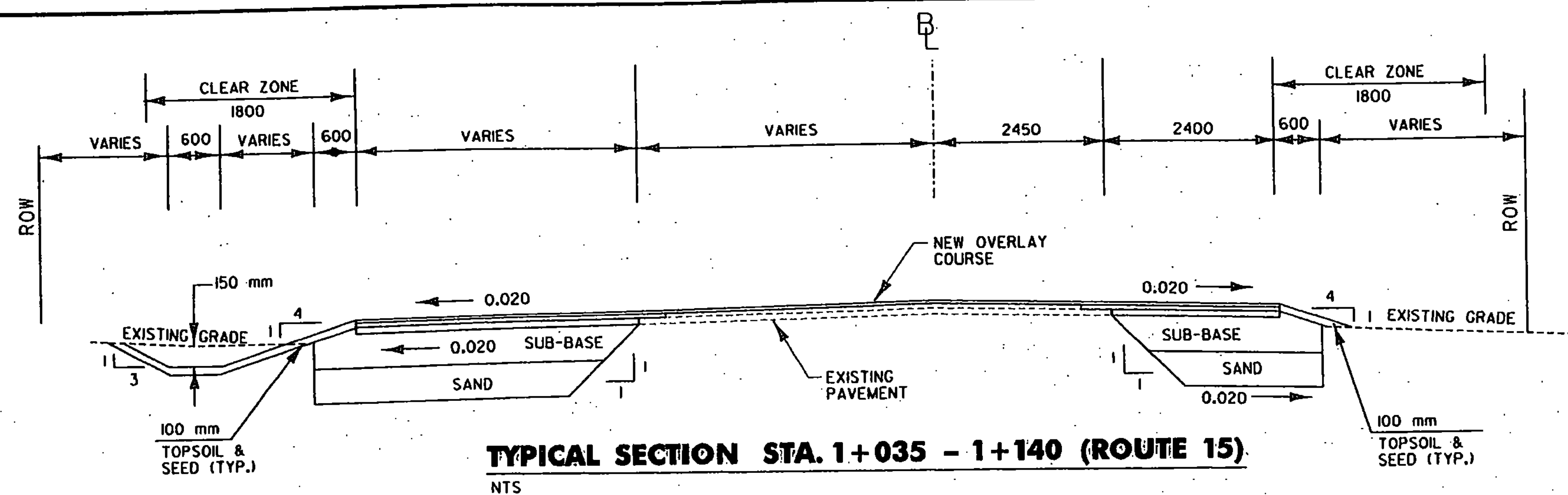
TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.07 L/m<sup>2</sup> BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.

**ROUTE 15**

WEARING COURSE:	45 mm TYPE III-S (PLACED IN ONE LIFT)
BINDER COURSE:	70 mm TYPE II-S (PLACED IN ONE LIFT)
BASE COURSE:	90 mm TYPE I-S (PLACED IN ONE LIFT)
SUBBASE MATERIAL:	500 mm DENSE GRADED CRUSHED STONE (704.06)
SAND BORROW:	500 mm

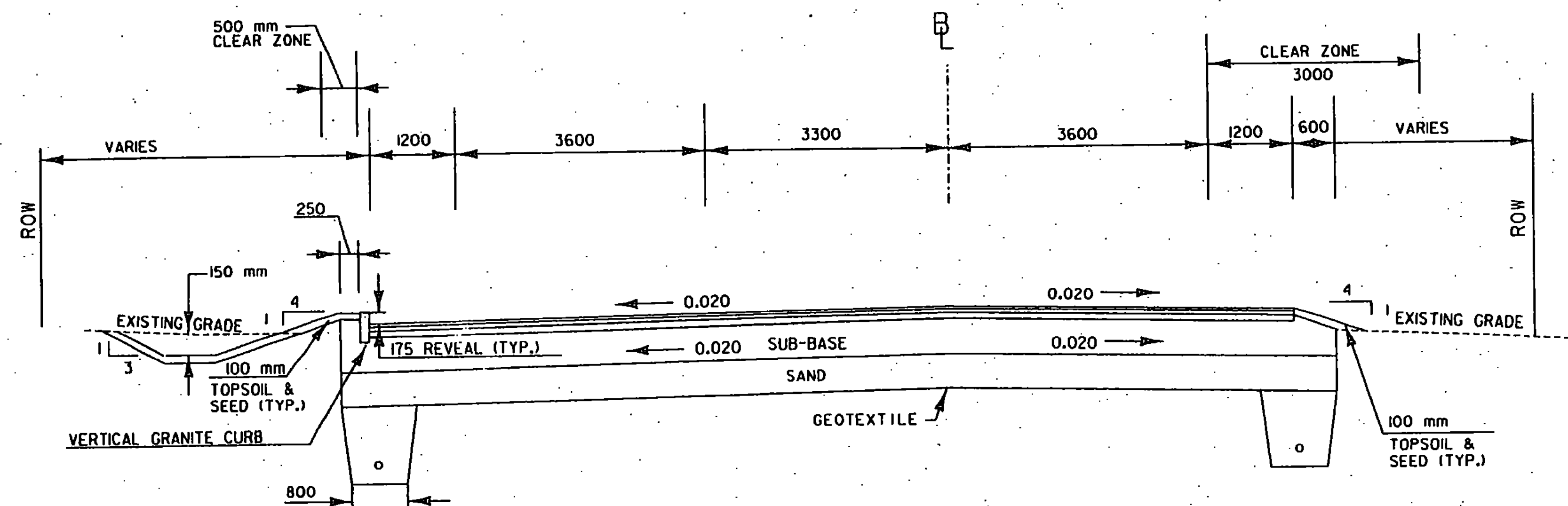
MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (TOTAL DEPTH)	± 5 mm
SUBBASE	± 30 mm
SAND	± 30 mm

1. BITUMINOUS CONCRETE PAVEMENT SHALL BE 75 BLOW MARSHALL MIX AND PERFORMANCE GRADED BINDER SHALL BE PG 64-28



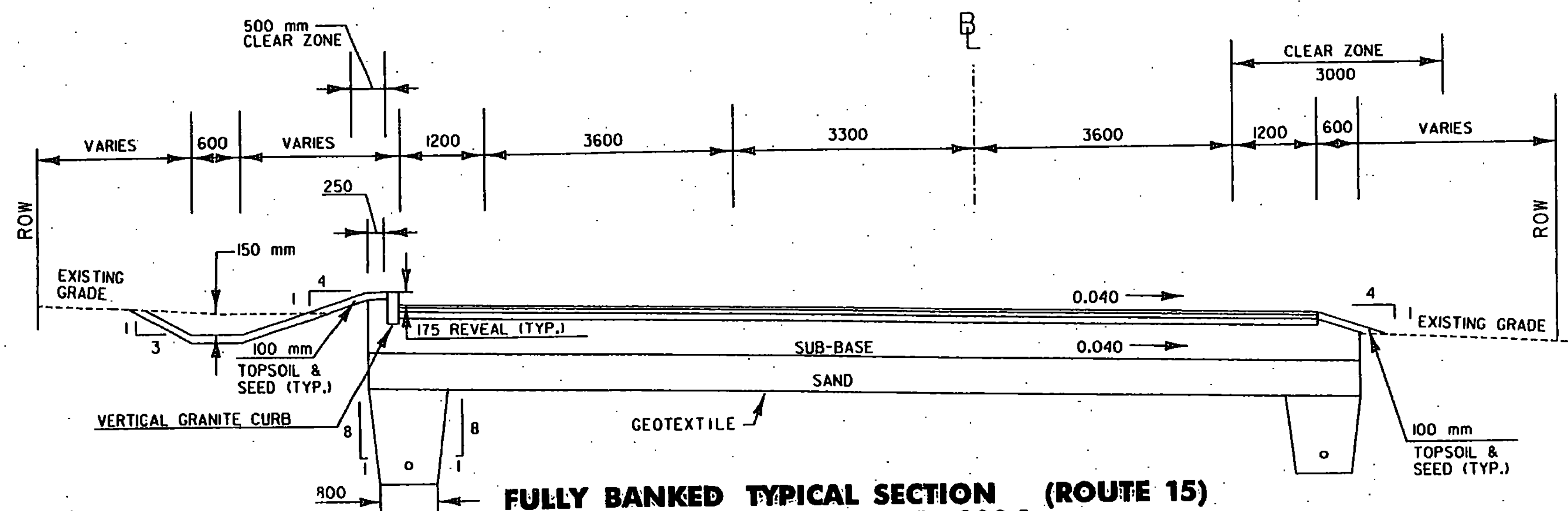
**TYPICAL SECTION STA. 1+035 - 1+140 (ROUTE 15)**

NTS



**TYPICAL SECTION STA. 1+140 - 1+223.7 (ROUTE 15)**

NTS • SEE SUPERELEVATION DIAGRAM ON SHEET 22 FOR PAVEMENT SLOPES IN SUPERELEVATION TRANSITION AREAS.



**FULLY BANKED TYPICAL SECTION (ROUTE 15)  
STA. 1+223.7 - 1+300.1**

NTS • SEE SUPERELEVATION DIAGRAM ON SHEET 22

**RIGHT-OF-WAY PLANS**

NOTE: ALL DIMENSIONS IN MILLIMETERS (mm) EXCEPT WHERE NOTED

TYPICAL SECTIONS	PROJECT NAME:	ESSEX
	PROJECT NUMBER:	STP 030-1(17)S
	PLOT FILE NAME:	zstp030-1(17)sfrm.dgn
	L&D PROJECT NUMBER:	00-074
	DESIGNED BY:	LAMOUREUX & DICKINSON CONSULTING ENGINEERS, INC.
	DRAWN BY:	PLC
	CHECKED BY:	RJD
	SHEET	2 OF 8 (R.O.W.)