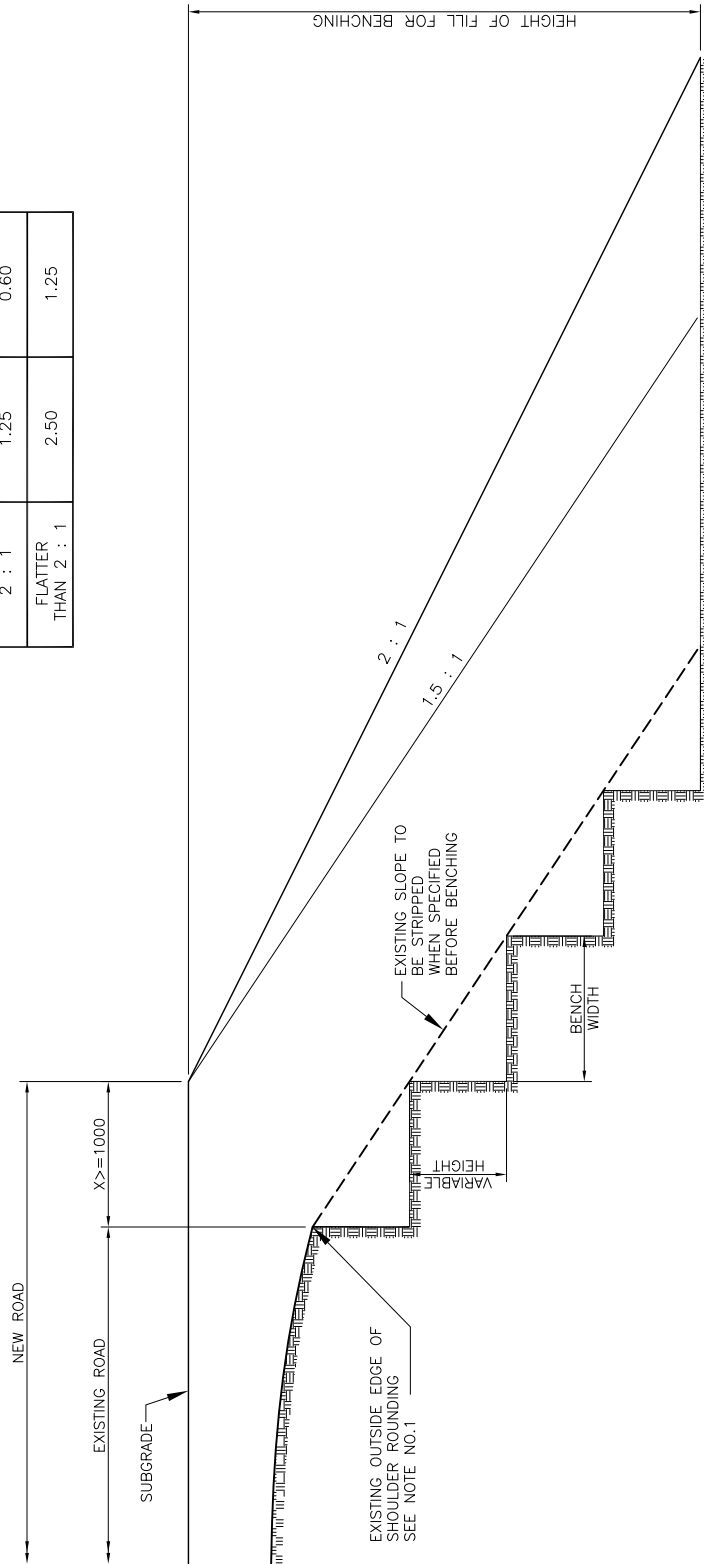


WIDTH OF BENCHES (m)		
EXISTING SLOPES	FILLS OF 3.5m OR GREATER	FILLS LESS THAN 3.5m
1.5 : 1	1.00	0.50
2 : 1	1.25	0.60
FLATTER THAN 2 : 1	2.50	1.25



- NOTES:
1. WHEN THE SUBGRADE IS BELOW THE EXISTING OUTSIDE EDGE OF SHOULDER ROUNDING, BENCHING SHALL BE CARRIED OUT BELOW THE POINT WHERE THE SUBGRADE INTERSECTS THE EXISTING SLOPE.
 2. THIS STANDARD APPLIES TO WIDENING OF FILLS WHERE THE DISTANCE "X" IS 1.0M OR MORE AT NEW TOP OF SUBGRADE LEVEL.
 3. BENCHING IS NOT REQUIRED ON EXISTING SLOPES FLATTER THAN 3:1 OR WHERE SPECIFIED.
 4. BENCHES ARE TO BE EXCAVATED ONE LEVEL AT A TIME AND THE COMPACTED FILL BROUGHT UP BEFORE THE NEXT BENCHING LEVEL IS EXCAVATED.
 5. ALL DIMENSIONS ARE IN MILLIMETRES OR METRES UNLESS OTHERWISE SHOWN.



TRANSPORTATION AND WORKS
HIGHWAY DESIGN DIVISION

GUIDE LINES FOR
BENCHING OF EARTH SLOPES

DRAWN BY: BMF

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NOT TO SCALE