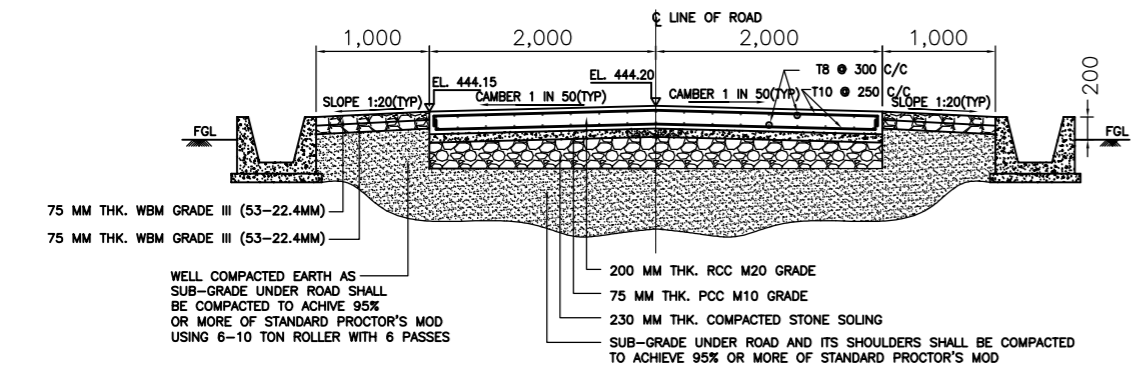
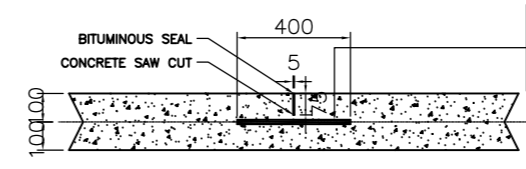


CROSS SECTION OF 5M WIDE RCC ROAD
SCALE: 1:50

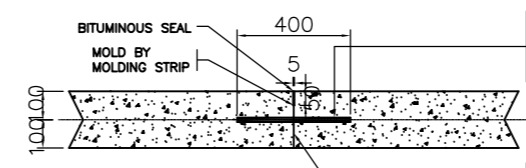


CROSS SECTION OF 4M WIDE RCC ROAD
SCALE: 1:50



TRANSVERSE CONTRACTION JOINT
SCALE: 1:20

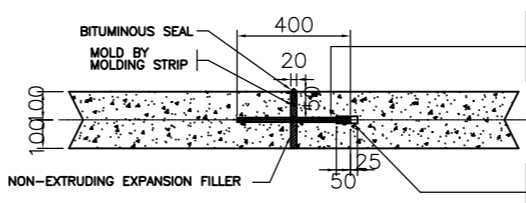
PROVIDE 16MM Ø DOWEL BARS @ 300MM O.C. IF THE SLAB IS ON FILL, HALF OF THIS DOWEL BAR SHALL BE PAINTED, GREASED AND WRAPPED IN WAX PAPER TO PREVENT BOND W/CONCRETE.



TRANSVERSE CONSTRUCTION JOINT
SCALE: 1:20

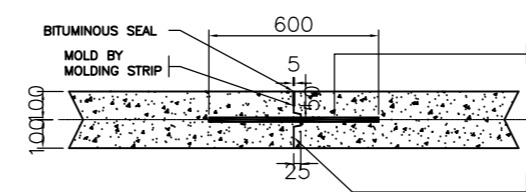
PROVIDE 16MM Ø DOWEL BARS @ 300MM O.C. HALF OF THIS DOWEL BAR SHALL BE PAINTED, GREASED AND WRAPPED IN WAX PAPER TO PREVENT BOND W/CONCRETE.

BUTT JOINT, FORMED W/HEADER SHAPED TO CROSS SECTION. THIS JOINT IS PLACED NEARLY OR AT THE LOCATION OF TRANSVERSE JOINT.



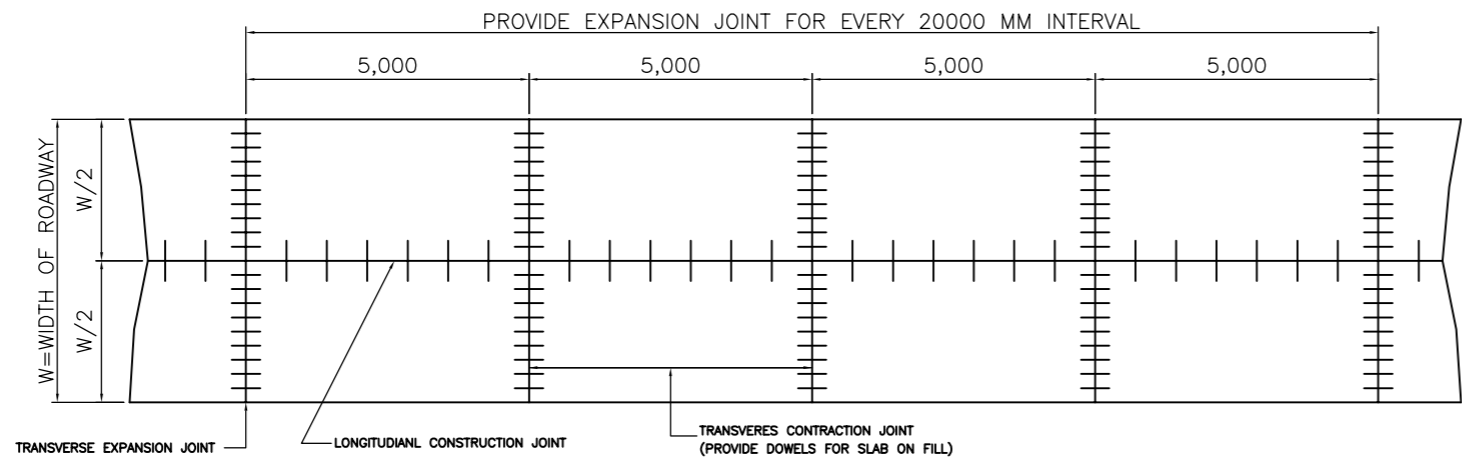
TRANSVERSE EXPANSION JOINT
SCALE: 1:20

PROVIDE 16MM Ø DOWEL BARS @ 300MM O.C. HALF OF THIS DOWEL BAR SHALL BE PAINTED, GREASED AND WRAPPED IN WAX PAPER TO PREVENT BOND W/CONCRETE.



LONGITUDINAL CONSTRUCTION JOINT
SCALE: 1:20

- NOTES:**
1. ALL DIMENSION ARE IN MM UNLESS OTHERWISE SPECIFIED.
 2. TOP OF ROAD SHALL BE 0.30M ABOVE THE FINISHED GROUND LEVEL UNLESS OTHERWISE NOTED (ALONG ROAD CENTERLINE)
 3. NECESSARY SUPER ELEVATION SHALL BE PROVIDED AT ALL BENDS. CORRESPONDING TO A MAXIMUM SPEED OF 40 KM/HR
 4. THE EARTH SHALL BE COMPACTED WITH ROAD ROLLER TO SPECIFIED DENSITY AS PER TECHNICAL SPECIFICATION.
 5. THE SIDE BERM SHOULDERS ON BOTH SIDES OF THE ROAD SHALL BE PROPERLY COMPACTED AND DRESSED TO THE SPECIFIED SLOPE.
 6. ALL DETAILS SHALL CONFORM TO TECHNICAL SPECIFICATION.
 7. THE SURFACE FINISH ALIGNMENT, PROFILE, GRADIENT TOLRANCE,QUALITY CONTROL DURING CONSTRUCTION AND CHARACTERISTICS OF DIFFERENT MATERIAL SHALL BE AS PER THE REQUIREMENT OF IRC SPECIFICATION FOR ROAD AND BRIDGE.
 8. WATER BOUND MACADAM USING CRUSHED STONE AGGREGATE SHALL BE USED FOR SUB BASE AND BASE MATERIAL. MOORAM(NON PLASTIC MATERIAL) SHALL BE USED IN THE SCREENING AS THE FILLING MATERIAL TO FILL THE VOID. THE SIZE OF MOORAM SHALL NOT BE MORE THAN 20MM.
 9. MATERIALS WITH CBR VALUE LESS THAN 100% SHALL NOT BE USED IN BASE CONSTRUCTION.
 10. THE ROAD SHALL BE CONSTRUCTED AS PER IRC STANDARDS.
 11. ALL REINFORCEMENT BARS SHALL CONFIRM TO THE REQUIREMENT OF IS 1786 & TECHNICAL SPECIFICATION.



TYPICAL PLAN OF R.C.C ROAD
SCALE: 1:100

REV	DATE	DESCRIPTION	BY	CHKD.	APPR.
BHUTAN POWER CORPORATION LTD. TRANSMISSION CONSTRUCTION DEPARTMENT					
PROJECT : CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPS00					
TITLE: CONCRETE ROAD DETAILS					
DESIGNED / DRAWN:			APPROVED :		
(DORJI KINLEY) BE / MPE-CIVIL			DATE : FEBRUARY 2021		
DWG. NO: BPC/TCD/TP0/12-01/DWG-C/CONCRETE ROAD			SCALE : AS STATED		
			REV. RO		