

**FROM CH. 0+000 TO CH. 0 + 238**  
**TYPICAL CROSS SECTION FOR PROPOSED 2-LANE CARRIAGEWAY FOR ROAD 18**  
**FROM GANDHI STATUE TO MAHAVEER CHOWK**  
**(D.P. WIDTH 18M)**

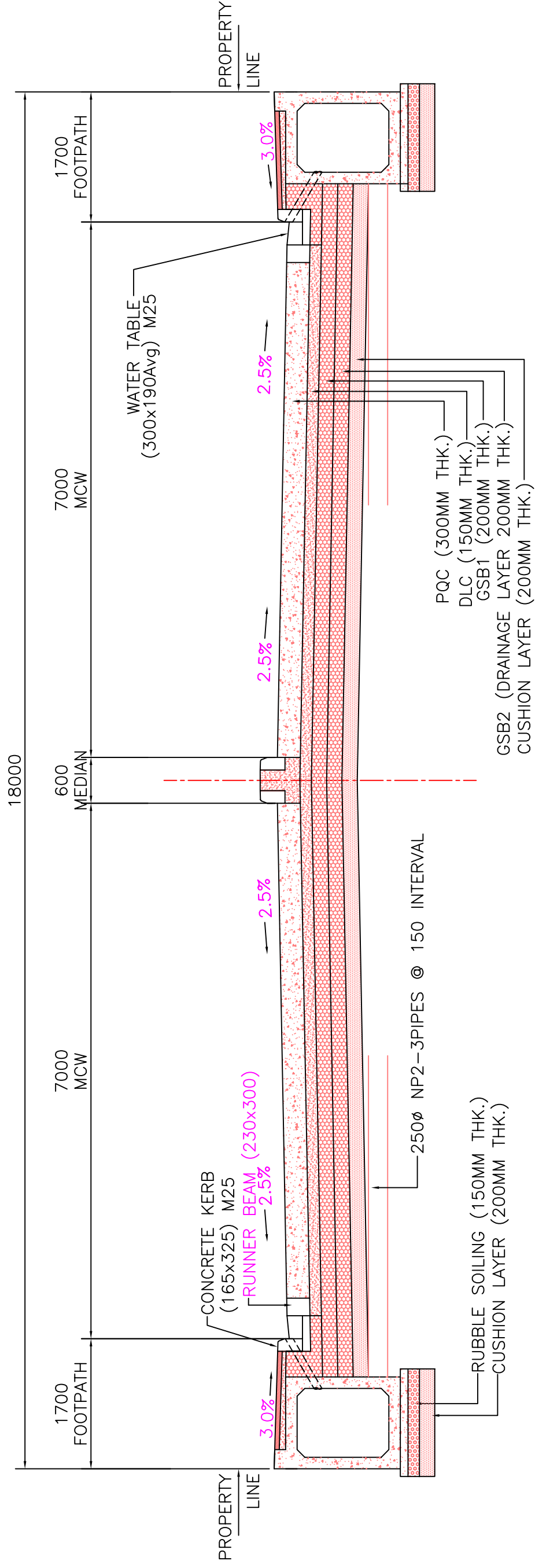
**LEGEND:**

- MCW - MAIN CARRIAGEWAY
- MPL - MULTIPURPOSE LANE
- NMVL - NON MOTORISED VEHICLE LANE

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
2. THE CARRIAGEWAY CROSSFALL OF 2.5% / 2.0% SHOWN IS FOR NORMAL NORMAL CROSS-SECTION. CROSSFALL VARIES FOR SUPERELEVATED CROSS-SECTION.
3. THICKNESS OF PROFILE CORRECTIVE COURSE VARIES AS PER PROPOSED CAMBER / SUPERELEVATION.
4. UTILITY SERVICES RELOCATIONS ARE TO BE UNDER THE FOOTPATH / PAVEMENT STRIP AS DIRECTED BY ENGINEER.
5. KERB DETAILS ARE GIVEN AS FOLLOWS:
  - BARRIER KERB (TYPE 'A' AS PER 2006069/RH/STD-001) AS SPLIT LEVEL CARRIAGEWAY.
  - SEMI BARRIER KERB (TYPE 'B' AS PER 2006069/RH/STD-001) AS ROAD OUTER EDGES.
  - MOUNTABLE KERB (TYPE 'C' AS PER 2006069/RH/STD-001) AT PEDESTRIAN CROSSING.
  - HIGH BARRIER KERB (TYPE 'D' AS PER 2006069/RH/STD-001) AT MEDIAN EDGE.
6. FOR DETAILS OF DRAIN, MEDIAN AND CENTRAL CONCRETE CRASH BARRIER REFER DRAWING 2006069/RH/STD-002
7. UTILITY CHAMBER SHALL BE PROVIDED AT 150M INTERVAL ON BOTH SIDES IN BETWEEN FOOTPATH AND CARRIAGEWAY.

CONSULTANT TO ITNL		EMPLOYER		PROJECT		TYPICAL CROSS SECTIONS FOR ROAD NO. 18		DRAWING NO.		DATE		REVISION	
 CONSULTING ENGINEERING SERVICES (I) PVT. LTD. MUMBAI		 NANDED WAGHALA CITY MUNICIPAL CORPORATION		<b>DPR FOR DEVELOPMENT OF NANDED CITY ROADS UNDER JNNURM</b>		SCALE HORZ. - 1:40 VERT. - 1:40		DRAWN DESIGN		OCT 2006 CHECKED		APPROVED	
REV.	DATE	DESCRIPTION OF REVISIONS	INITIALS										



**TYPICAL CROSS SECTION OF PROPOSED 4-LANE CARRIAGEWAY FOR ROAD 19  
FROM HINGOLI GATE (RUB) TO FOREST OFFICE TO BANDAGHAT  
(D.P. WIDTH 18M)**

**LEGEND:**

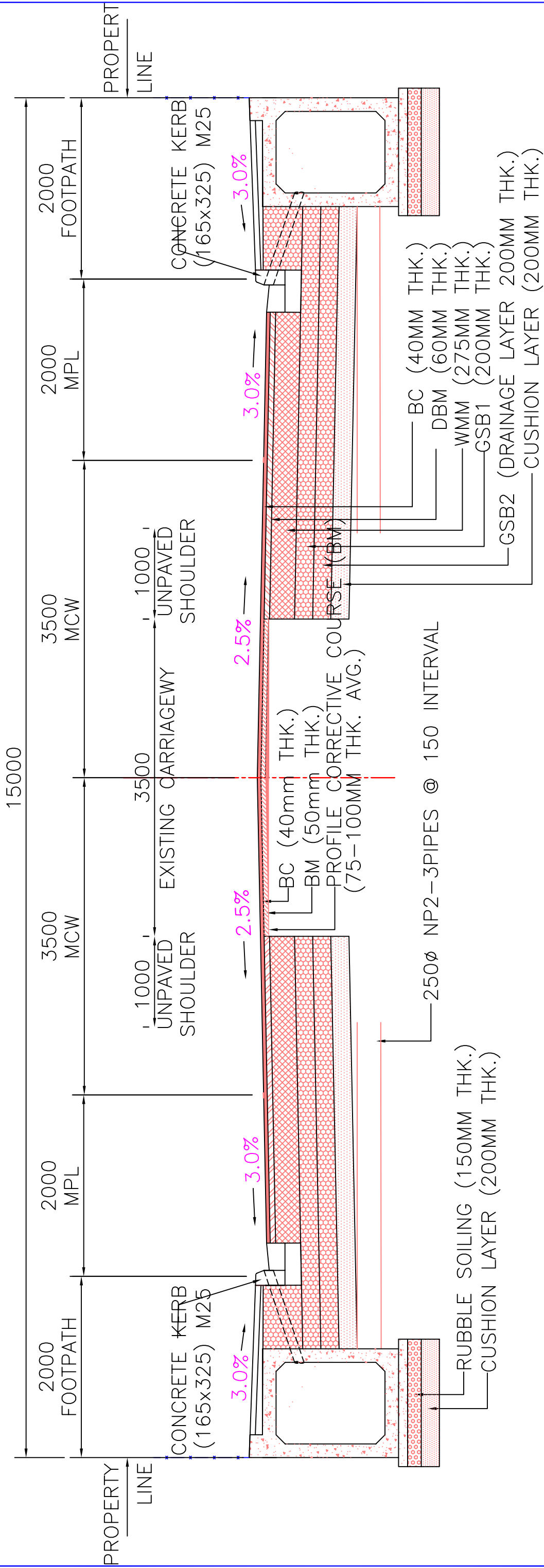
MCW - MAIN CARRIAGEWAY  
MPL - MULTIPURPOSE LANE  
NMVL - NON MOTORISED VEHICLE LANE

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
2. THE CARRIAGEWAY CROSSFALL OF 2.5% / 2.0% SHOWN IS FOR NORMAL NORMAL CROSS-SECTION. CROSSFALL VARIES FOR SUPERELEVATED CROSS-SECTION.
3. THICKNESS OF PROFILE CORRECTIVE COURSE VARIES AS PER PROPOSED CAMBER / SUPERELEVATION.
4. UTILITY SERVICES RELOCATIONS ARE TO BE UNDER THE FOOTPATH / PAVEMENT STRIP AS DIRECTED BY ENGINEER.
5. KERB DETAILS ARE GIVEN AS FOLLOWS:
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  - SEMI BARRIER KERB (TYPE 'B' AS PER 2006069/RH/STD-001) AS ROAD OUTER EDGES.
  - MOUNTABLE KERB (TYPE 'C' AS PER 2006069/RH/STD-001) AT PEDESTRIAN CROSSING.
  - HIGH BARRIER KERB (TYPE 'D' AS PER 2006069/RH/STD-001) AT MEDIAN EDGE.
6. FOR DETAILS OF DRAIN, MEDIAN AND CENTRAL CONCRETE CRASH BARRIER REFER DRAWING 2006069/RH/STD-002
7. UTILITY CHAMBER SHALL BE PROVIDED AT 150M INTERVAL ON BOTH SIDES IN BETWEEN FOOTPATH AND CARRIAGEWAY.

REV.	DATE	DESCRIPTION OF REVISIONS	INITIALS	NOTICE:	CONSULTANT TO ITNL	EMPLOYER	PROJECT	TYPICAL CROSS SECTIONS FOR ROAD NO. 19	PURPOSE	DRAWING NO.	DATE	REVISION
				THIS DRAWING HAS NOT BEEN PUBLISHED AND IS THE SOLE PROPERTY OF CONSULTING ENGINEERING SERVICES (I) PVT. LTD. AND IS ISSUED TO THE PARTY FOR THE SPECIFIC PURPOSE AS COVERED. LIMIT OF OTHERWISE REPOSED OF LIABILITY ON INDIVIDUALS, WORK USED FOR ANY OTHER PURPOSE OTHER THAN FOR WHICH IT IS FURNISHED.	HE MUMBAI	CONSULTING ENGINEERING SERVICES (I) PVT. LTD NEW DELHI KOLKATA	<b>NANDED WAGHALA CITY MUNICIPAL CORPORATION</b>	FOR TENDER	DRAWN	DESIGN	OCT 2006	R0
							<b>DPR FOR DEVELOPMENT OF NANDED CITY ROADS UNDER JNNURM</b>	SCALE	STATUS	CHECKED		APPROVED
								HORZ. - 1:40	FOR APPROVAL	A.D.A.		DR. C.S.S.
								VERT. - 1:40		G.H.REDDY		





# TYPICAL CROSS SECTION OF PROPOSED 2-LANE CARRIAGEWAY FOR ROAD 23 FROM VAZIRABAD ROAD TO BANDA GHAT FROM CH: 0+000 TO CH: 0+387 (D.P. WIDTH 15M)

**LEGEND:**

- MCW – MAIN CARRIAGEWAY
- MPL – MULTIPURPOSE LANE
- NMVL – NON MOTORISED VEHICLE LANE

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
2. THE CARRIAGEWAY CROSSFALL OF 2.5% / 2.0% SHOWN IS FOR NORMAL NORMAL CROSS-SECTION. CROSSFALL VARIES FOR SUPERELEVATED CROSS-SECTION.
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  - HIGH BARRIER KERB (TYPE 'D' AS PER 2006069/RH/STD-001) AT MEDIAN EDGE.
6. FOR DETAILS OF DRAIN, MEDIAN AND CENTRAL CONCRETE CRASH BARRIER REFER DRAWING 2006069/RH/STD-002
7. UTILITY CHAMBER SHALL BE PROVIDED AT 150M INTERVAL ON BOTH SIDES IN BETWEEN FOOTPATH AND CARRIAGEWAY.

<b>NOTICE:</b> THIS DRAWING HAS NOT BEEN PUBLISHED AND IS THE SOLE PROPERTY OF CONSULTING ENGINEERING SERVICES (I) PVT. LTD. AND IS ISSUED TO THE PARTY FOR THE SPECIFIC PURPOSE AS STATED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY, NOR USED FOR ANY OTHER PURPOSE OTHER THAN FOR WHICH IT IS FURNISHED.		<b>CONSULTANT TO IITNL</b> HE CONSULTING ENGINEERING SERVICES (I) PVT. LTD MUMBAI NEW DELHI KOLKATA		<b>EMPLOYER</b> NANDED WAGHALA CITY MUNICIPAL CORPORATION		<b>PROJECT</b> DPR FOR DEVELOPMENT OF NANDED CITY ROADS UNDER JNNURM	
<b>REVISIONS</b>		<b>TYPICAL CROSS SECTIONS FOR ROAD NO. 23</b>		<b>PURPOSE</b>		<b>DRAWING NO.</b>	
REV.	DATE	DESCRIPTION OF REVISIONS	INITIALS	FOR TENDER	FOR APPROVAL	DATE	REVISION
				STATUS	DESIGN	OCT 2006	R0
				FOR APPROVAL	APPROVED		APPROVED
					PRATIBHA A.D.A.		G.H.REDDY DR. C.S.S.

