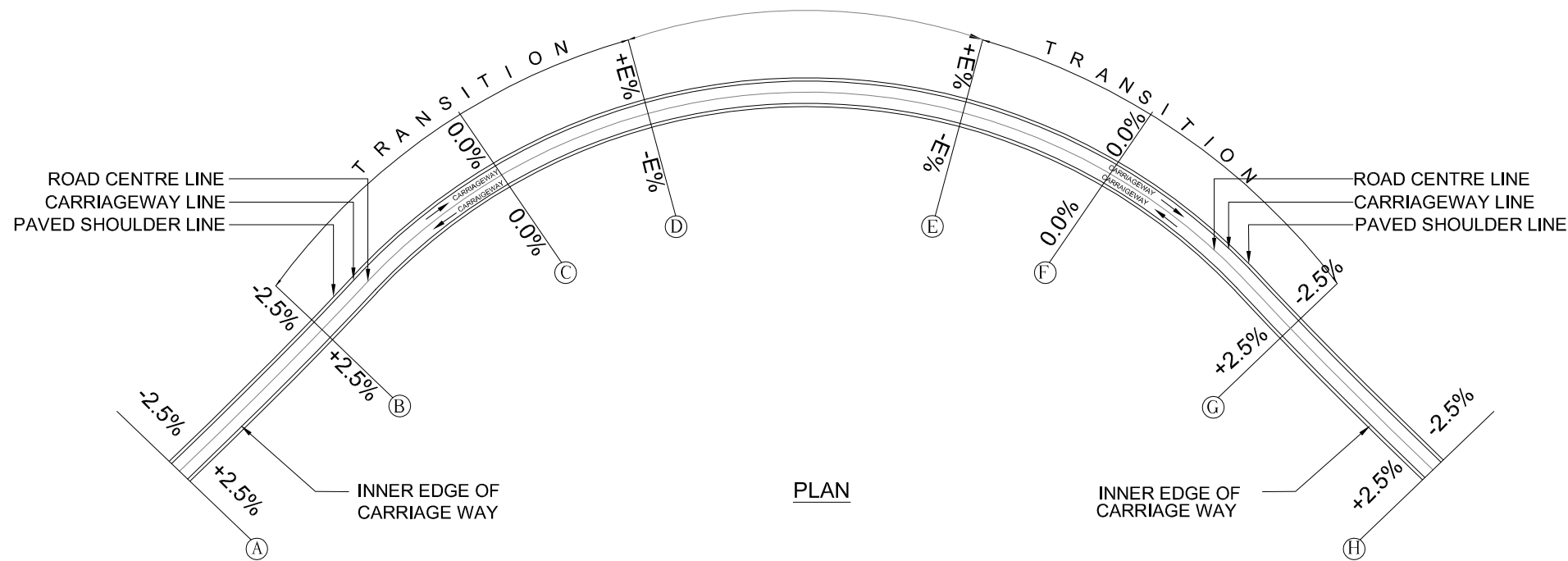
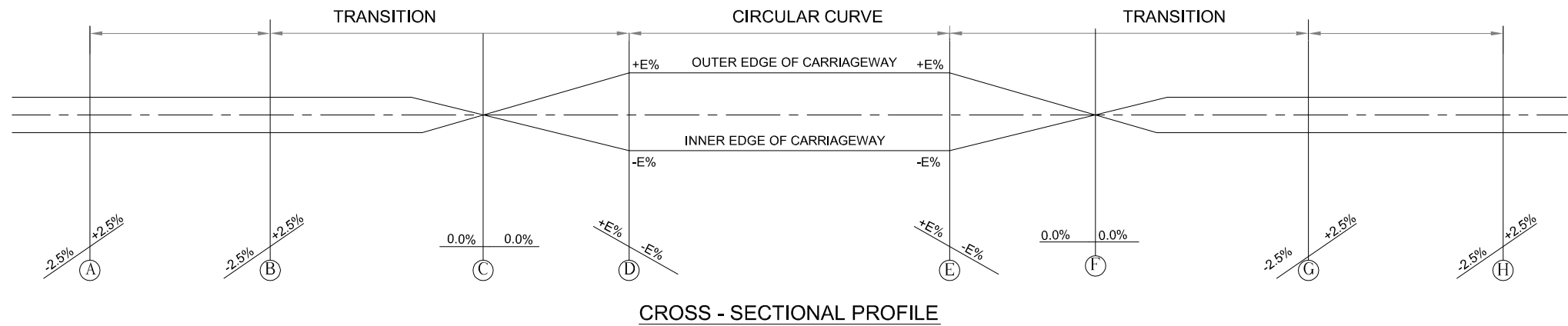


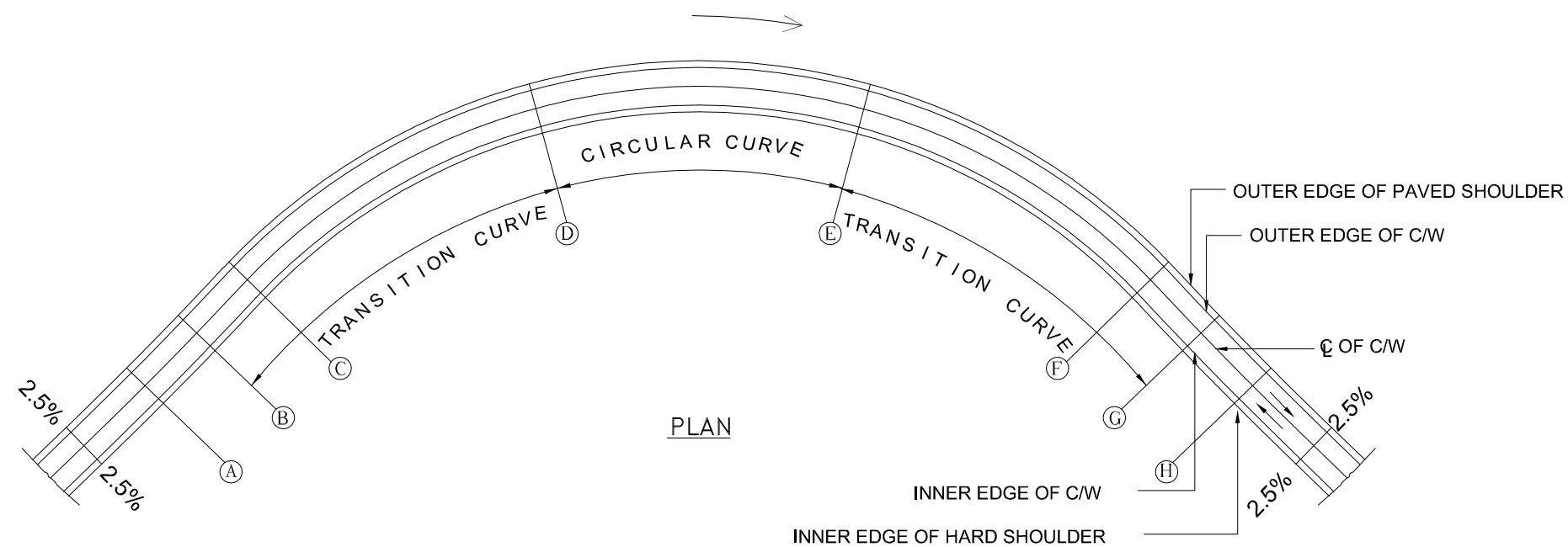
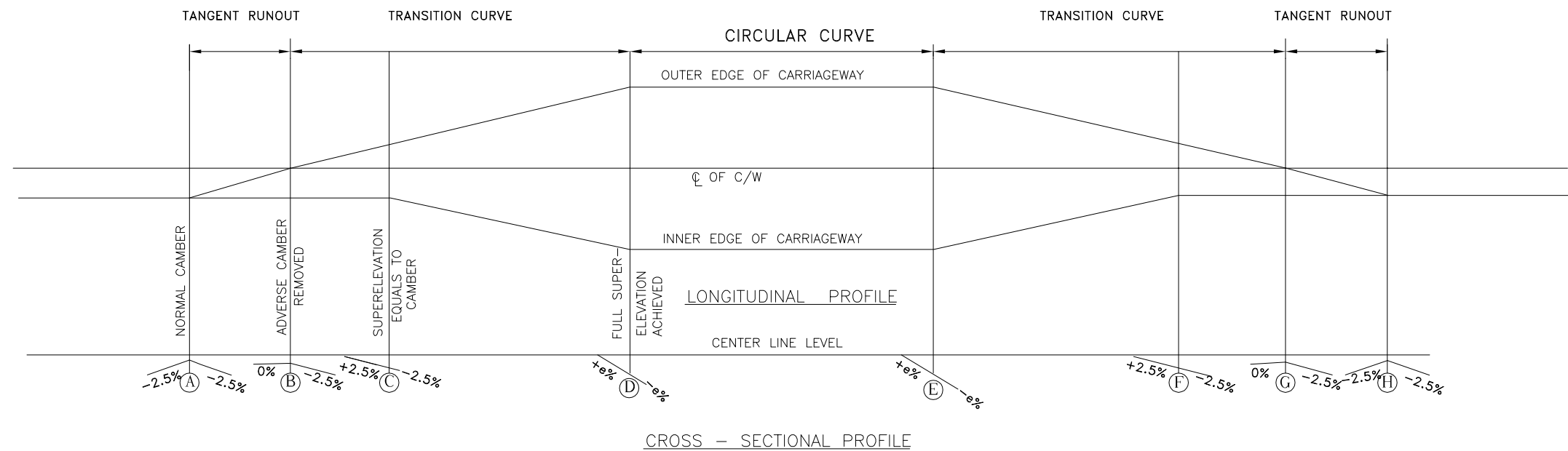
MISCELLANEOUS DRAWING



TYPICAL DETAILS OF SUPERELEVATION ATTAINMENT FOR A SIMPLE CIRCULAR CURVE (WITH TRANSITION)

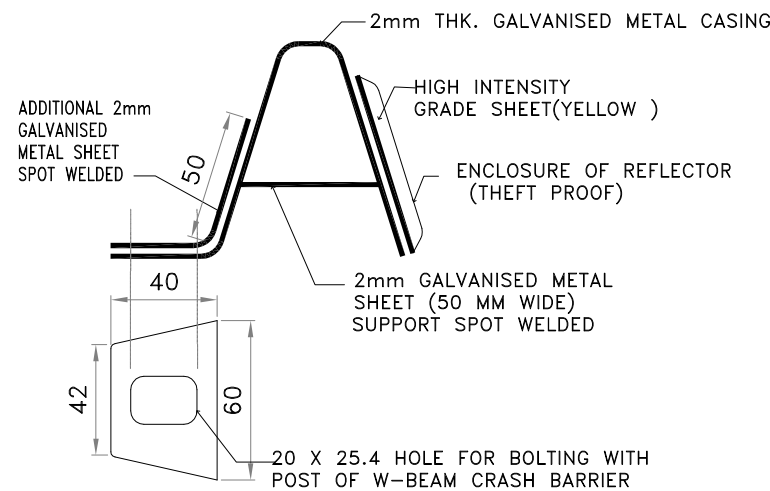
NOTE :-
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.

R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	DETAILS OF CURVE COMPONENT	CONSULTANT : CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC			
R1	June 2017	Package Wise Division with Conventional Pavement								Revision Mkd. - R3		Sheet No. - 01A	
R0	Jan 2017	Total Project Road with Conventional Pavement								Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: JULY ,2019	PROJECT: Consultancy Services for Preparation of Feasibility Study and DPR for Improvement and Widening to Two Lane with 1.5 m Paved Shoulder of Newly Declared NH-208 (Length 157.70 Km) for Execution on EPC Mode in the State of Tripura under NH(O)			ROAD NAME: Kailashahar to Teliamura Section of NH-208 Package:-III (Km 49+200 to Km 63+700)				
REVISIONS										M.Acharya	S.Dey	S.Sadhu	B.Koner

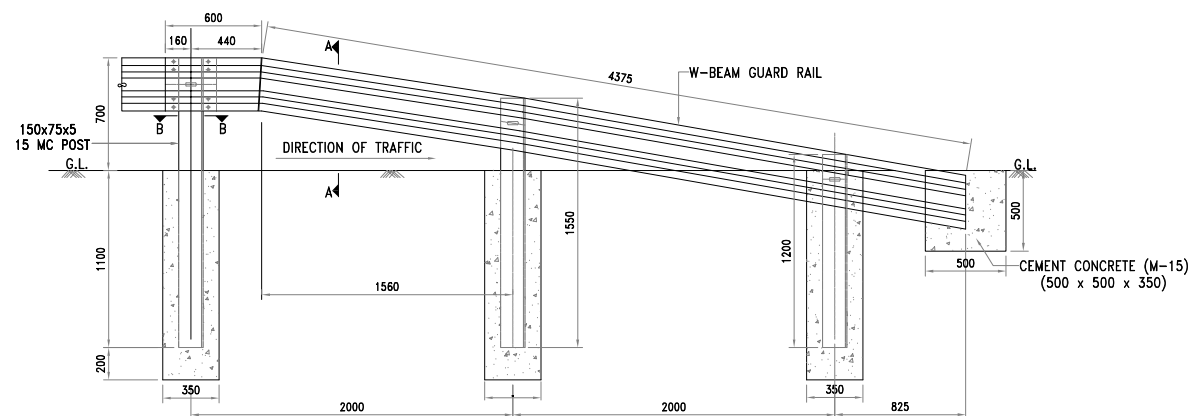


TYPICAL DETAILS OF SUPERELEVATION ATTAINMENT FOR A CIRCULAR CURVE WITH TRANSITIO CURVE
(ROTATION ABOUT CARRIAGEWAY CENTRE LINE FOR THROUGH CUTTING)

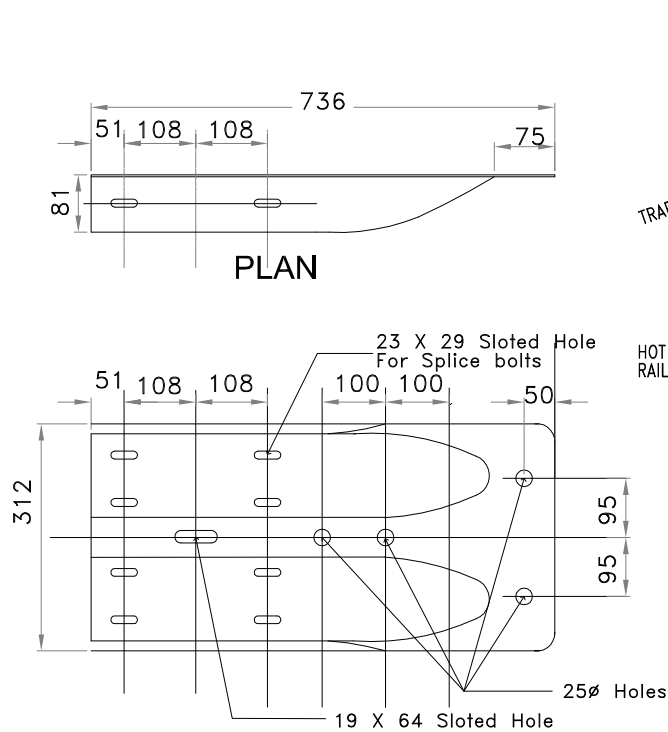
R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT:	Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	DETAILS OF CURVE COMPONENT	 CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC			
R1	June 2017	Package Wise Division with Conventional Pavement									Revision Mkd. - R3	Sheet No. - 01B		
R0	Jan 2017	Total Project Road with Conventional Pavement									Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: JULY ,2019	PROJECT:	Consultancy Services for Preparation of Feasibility Study and DPR for Improvement and Widening to Two Lane with 1.5 m Paved Shoulder of Newly Declared NH-208 (Length 157.70 Km) for Execution on EPC Mode in the State of Tripura under NH(O)			ROAD NAME: Kailashahar to Teliamura Section of NH-208 Package:-III (Km 49+200 to Km 63+700)				
REVISIONS											M.Acharya	S.Dey	S.Sadhu	B.Koner



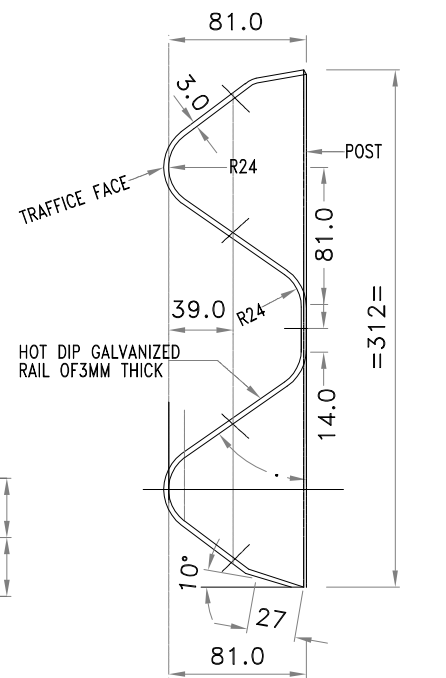
GUARD RAIL REFLECTOR



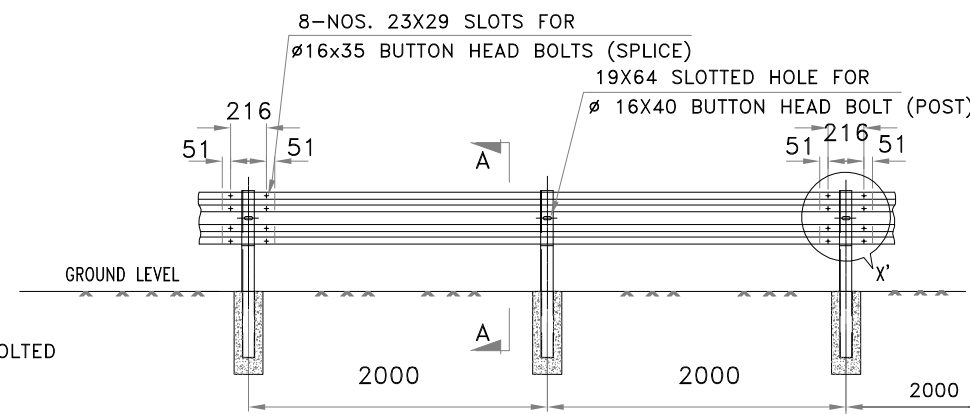
ELEVATION SHOWING SINGLE SIDED GAURD RAIL SYSTEM - END SIDE ARRANGEMENT



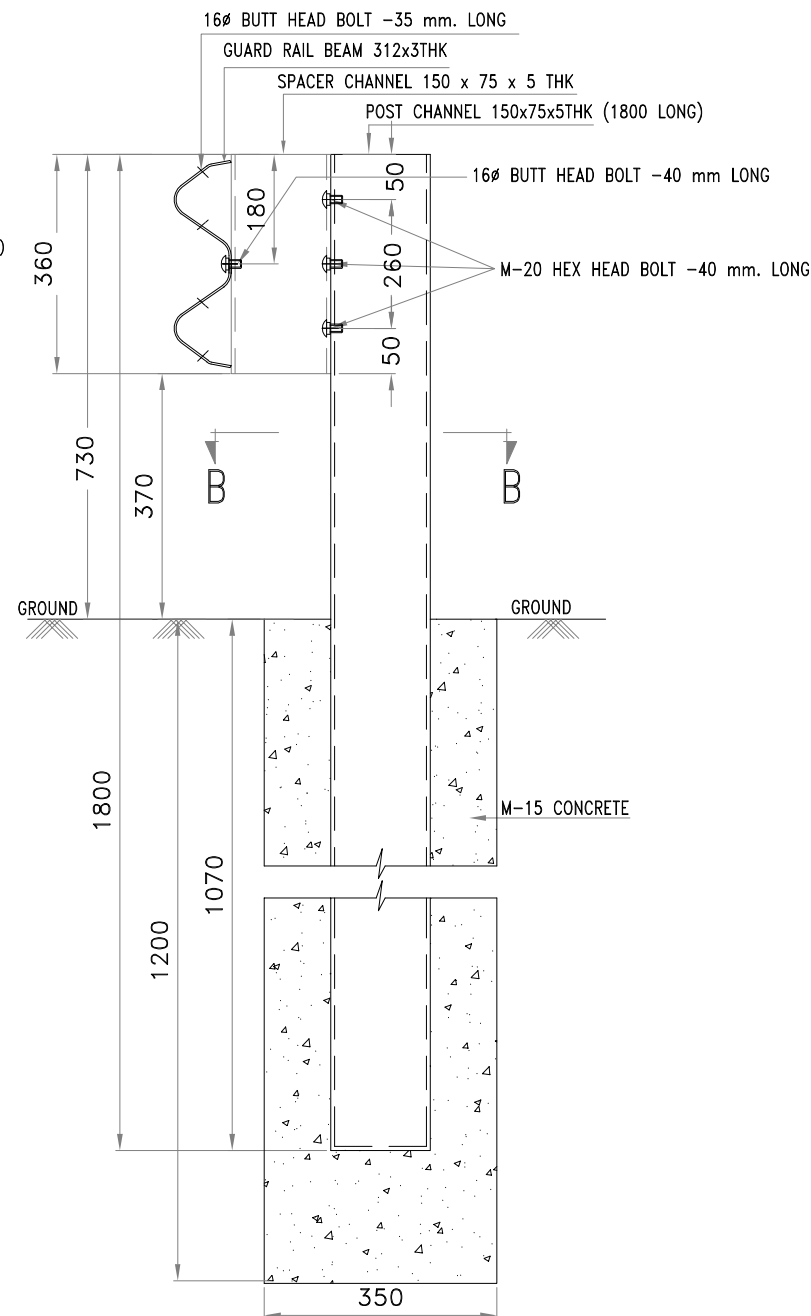
ELEVATION OF W BEAM END SECTION (FLARED)



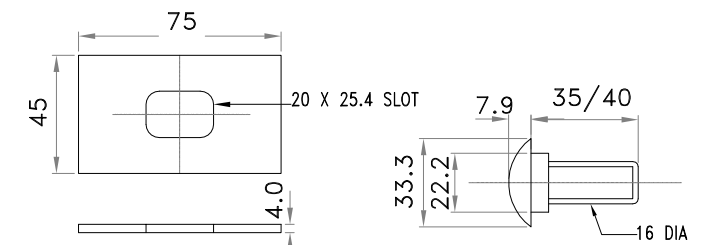
TYPICAL CROSS SECTION OF W-BEAM



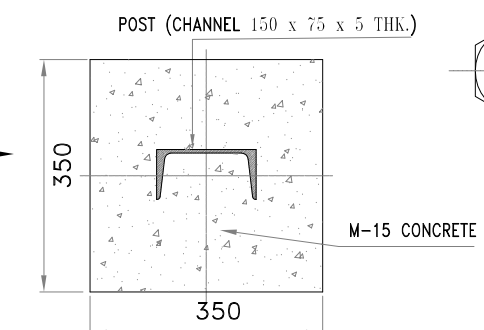
ELEVATION OF SINGLE SIDED GUARD RAIL



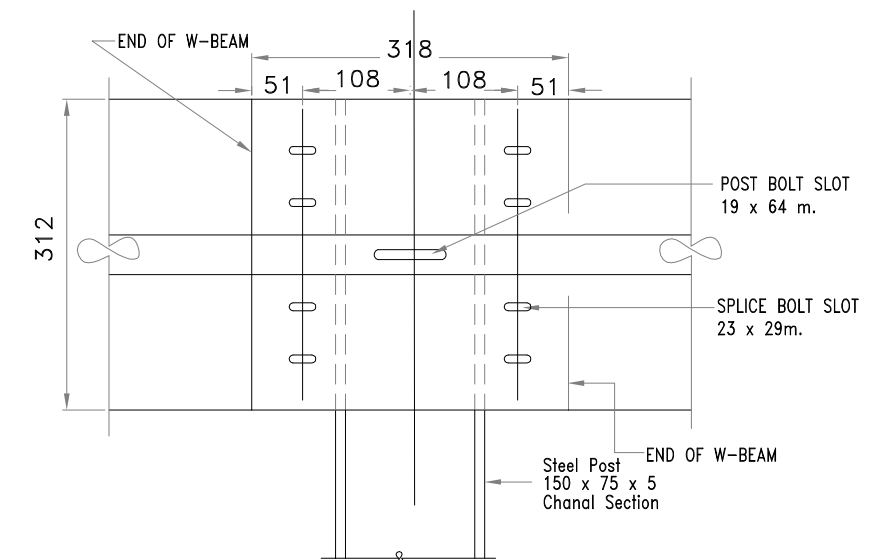
CROSS SECTION A-A



SPLICE WASHER



SECTION 'B-B'

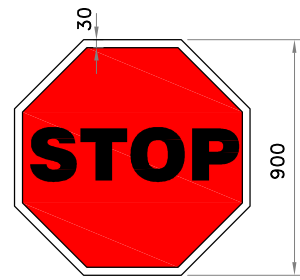


DETAILS OF 'X'

NOTES :

- ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
- ALL PUNCHING DIMENSIONS UNLESS OTHERWISE STATED = ± 1 mm.
- WELDING ELECTRODES SHALL CONFORM TO IS:314.
- FOR GUARD RAIL BEAMS, POSTS & SPACER MATERIAL SHALL CONFORM TO IS:10748, GRADE-II. IS 808, IS 2062
- BOLTS,NUTS & WASHERS SHALL BE ELECTRO GALVANISED.
- GUARD RAIL, POSTS, SPACERS, FOUNDATION BOLTS SHALL BE HOT DIP GALVANISED.
- THE OVER LAPPING OF THE GAURD RAIL BEAM SHALL BE ACHIEVED USING SUITABLE SIZE WASHERS.
- GUARD RAILS ARE TO BE PROVIDED WHEREVER:-
 - HEIGHT OF THE EMBANKMENT IS MORE THAN 3M
 - OUTER SIDE OF SUPERELEVATED SECTION,UNDERPASS,PIER OBSTRUCTION AND BOTH SIDES OF BRIDGE APPROACHES.
- ALL FITTINGS TO CONFORM TO IS : 1367 AND IS : 1364
- W-BEAM GUARDRAIL ARE TO BE FABRICATED AND INSTALLED AS PER SECTION 810 OF MORT&H'S SPECIFICATION FOR METAL BEAM CRASH BARRIER.

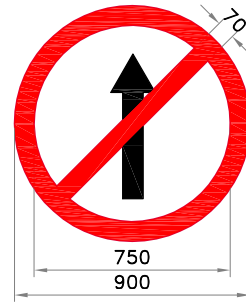
R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	DETAILS OF W-BEAM METAL CRASH BARRIER	CONSULTANT : CE TESTING COMPANY PVT. LTD.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC
R1	June 2017	Package Wise Division with Conventional Pavement								Revision Mkd. - R3
R0	Jan 2017	Total Project Road with Conventional Pavement								Sheet No. - 02A
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: JULY ,2019	PROJECT: Consultancy Services for Preparation of Feasibility Study and DPR for Improvement and Widening to Two Lane with 1.5 m Paved Shoulder of Newly Declared NH-208 (Length 157.70 Km) for Execution on EPC Mode in the State of Tripura under NH(O)	ROAD NAME: Kailashahar to Teliamura Section of NH-208	Package:-III (Km 49+200 to Km 63+700)	124-A, N.S.C. Bose Road Kolkata - 700092.	Drawn By. Design By. Checked By. Approved By.
REVISIONS										M.Acharya S.Dey S.Sadhu B.Koner



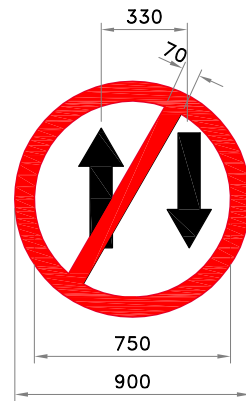
MS - 1
STOP SIGNAL



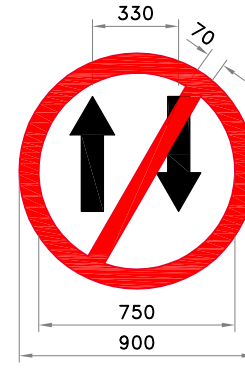
MS - 2
GIVE WAY SIGN



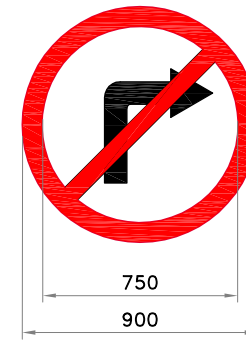
MS - 3
NO ENTRY



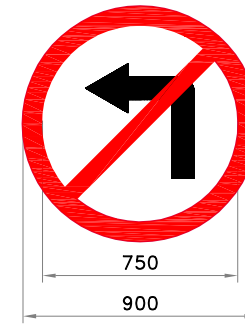
MS - 4
ONE WAY SIGNS



MS - 5



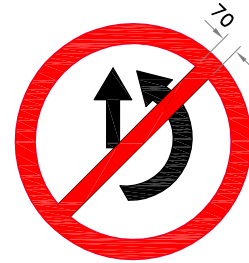
MS - 6
RIGHT TURN PROHIBITED



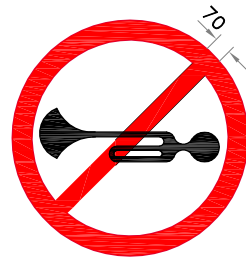
MS - 7
LEFT TURN PROHIBITED



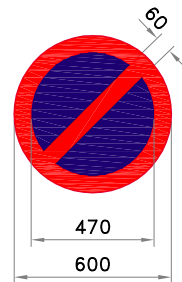
MS - 8
U - TURN PROHIBITED



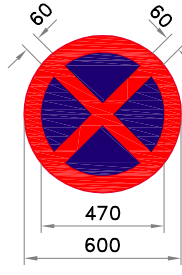
MS - 9
OVERTAKING PROHIBITED



MS - 10
HORN PROHIBITED



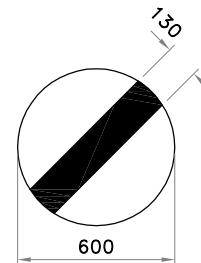
MS - 11
NO PARKING



MS - 12
NO STOPPING
OR STANDING



MS - 13
SPEED LIMIT



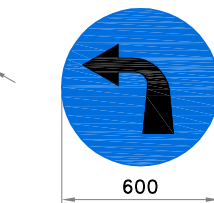
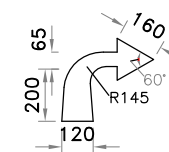
MS - 14
RESTRICTION END



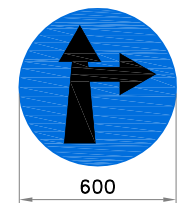
MS - 15
COMPULSORY
KEEP LEFT



MS - 16
COMPULSORY TURN
RIGHT AHEAD



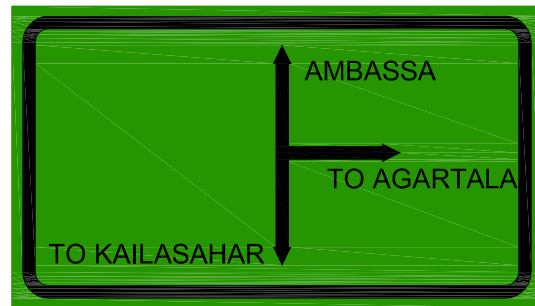
MS - 16
COMPULSORY TURN
LEFT AHEAD



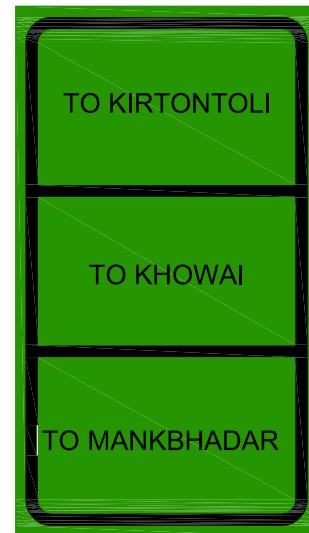
MS - 17
COMPULSORY AHEAD
OR TURN RIGHT



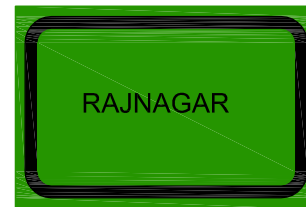
MS - 19
COMPULSORY AHEAD
OR TURN LEFT



IS - 1
ADVANCE DIRECTION SIGN



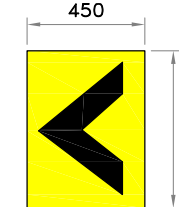
IS - 2
REASSURANCE SIGN



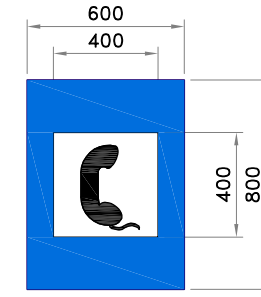
IS - 3
PLACE IDENTIFICATION SIGN



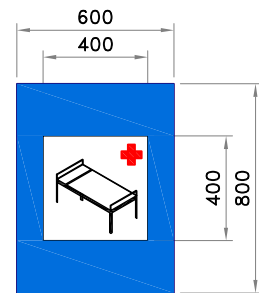
IS - 4
PLACE IDENTIFICATION SIGN



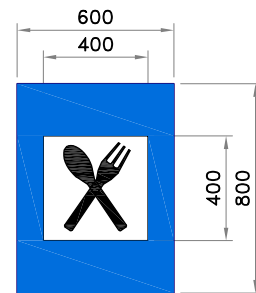
IS - 5
PUBLIC TELEPHONE



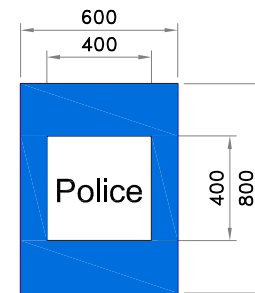
IS - 6
FILLING STATION



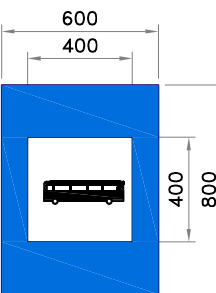
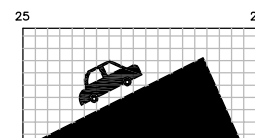
IS - 7
HOSPITAL



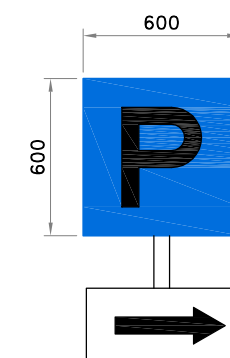
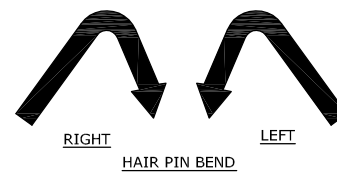
IS - 8
EATING PLACE



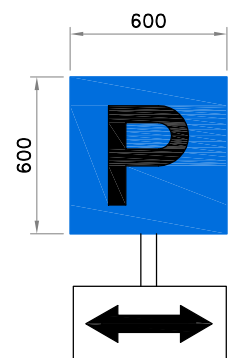
IS - 9
POLICE STATION



IS - 11
BUS STOP



IS - 12
PARKING THIS SIDE

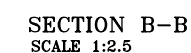
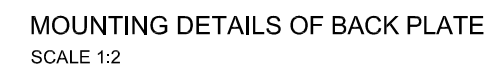
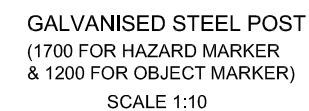
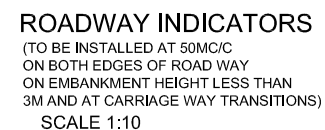
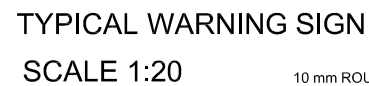


IS - 13
PARKING BOTH SIDE

NOTE:

- ALL DIMENSIONS ARE IN MM UNLESS AND OTHERWISE SPECIFIED.
- FOR DETAILS OF ROAD SIGN REFER IRC: 67-2012.

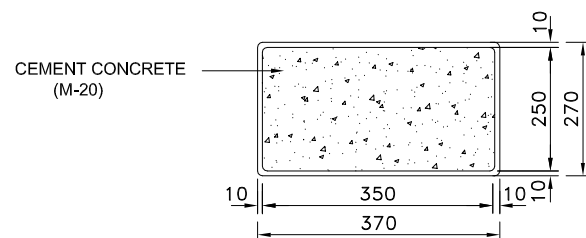
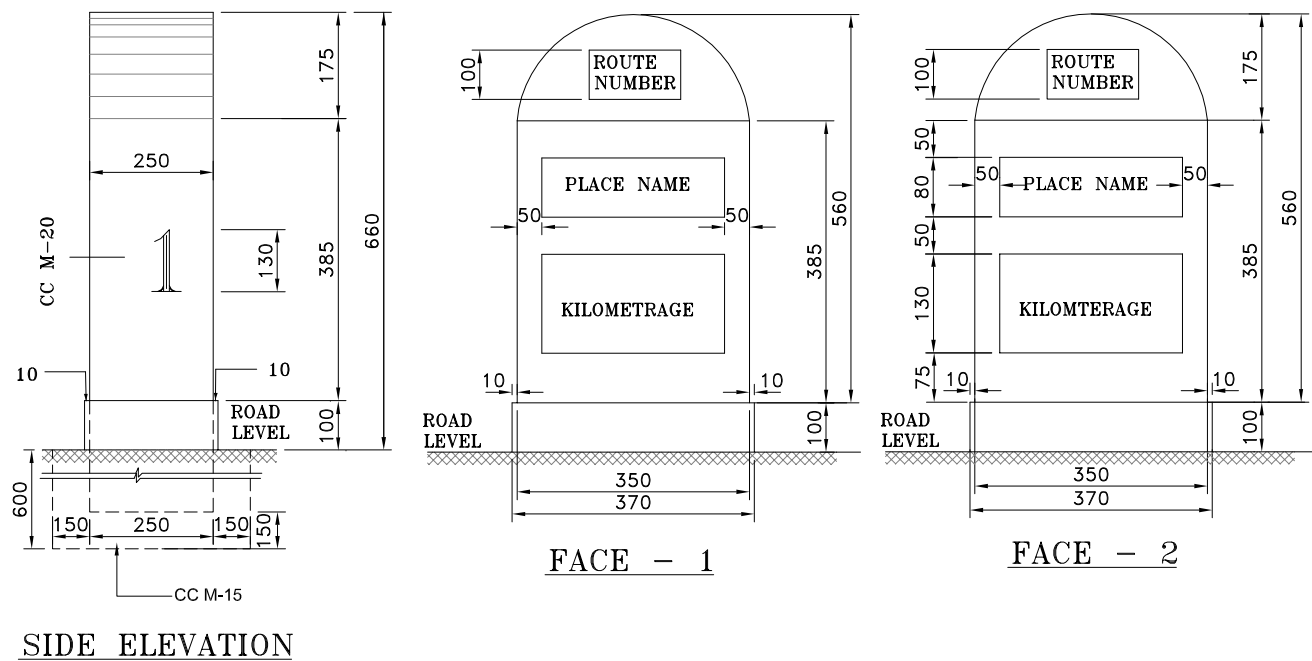
R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	TYPICAL DETAILS OF ROAD SIGNS	CONSULTANT : CETEST Engineering Consultants	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC
R1	June 2017	Package Wise Division with Conventional Pavement							CE TESTING COMPANY PVT. LTD.	Revision Mkd. - R3
R0	Jan 2017	Total Project Road with Conventional Pavement							124-A, N.S.C. Bose Road Kolkata - 700092.	Sheet No. - 04A
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: JULY ,2019	PROJECT: Consultancy Services for Preparation of Feasibility Study and DPR for Improvement and Widening to Two Lane with 1.5 m Paved Shoulder of Newly Declared NH-208 (Length 157.70 Km) for Execution on EPC Mode in the State of Tripura under NH(O)	ROAD NAME: Kailashahar to Teliamura Section of NH-208 Package:-III (Km 49+200 to Km 63+700)			Drawn By.
REVISIONS										Design By.
										Checked By.
										Approved By.
										M.Acharya
										S.Dey
										S.Sadhu
										B.Koner



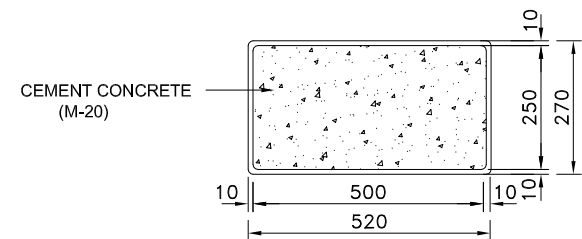
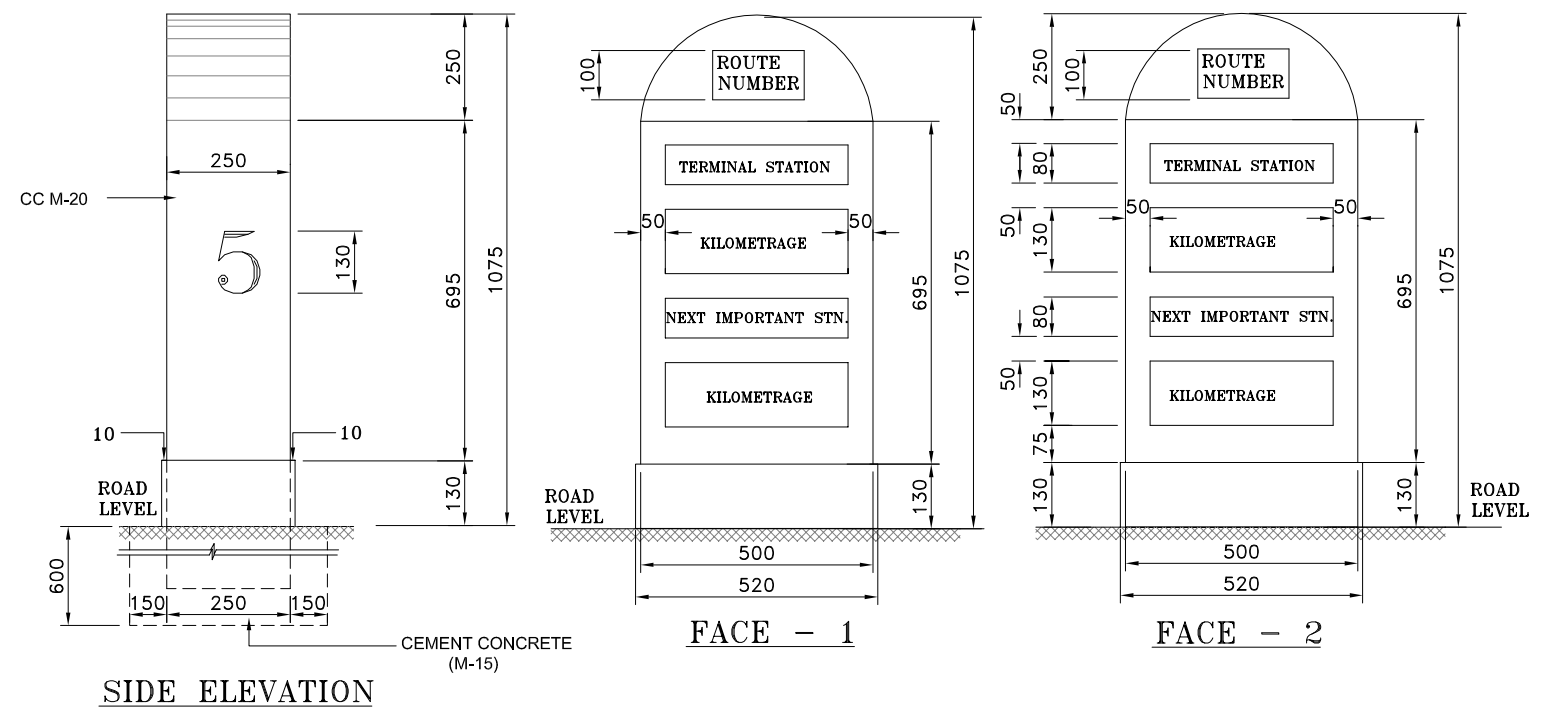
NOTES

01. ALL DIMENSIONS ARE IN MM, AND LEVELS IN METERS, UNLESS OTHERWISE SPECIFIED.
02. SIGNS SHOULD CONFORM TO IRC:67 - 2012 TO SECTION 801 OF MORT & H SPECIFICATION FOR ROAD AND BRIDGEWORKS(5TH. REV)

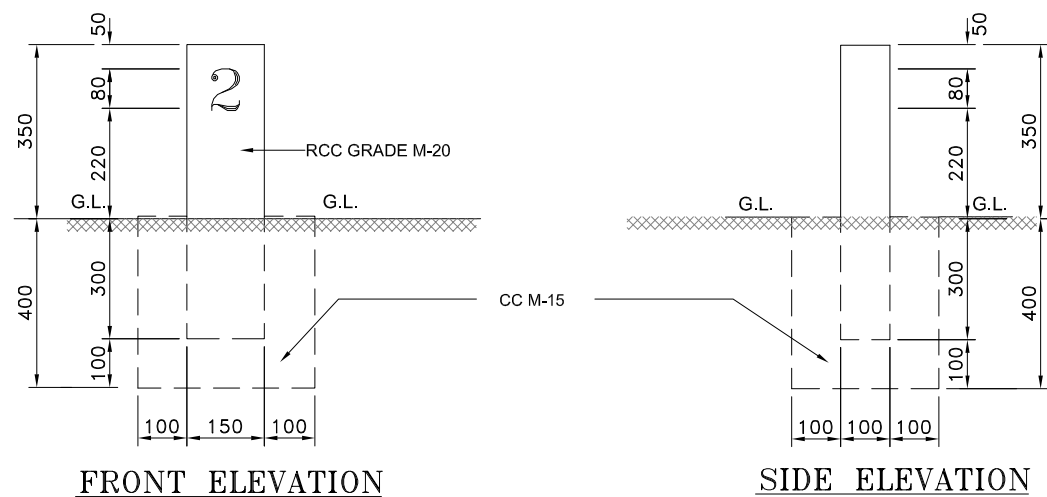
R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	TYPICAL DETAILS OF ROAD SIGNS	CONSULTANT : CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC			
R1	June 2017	Package Wise Division with Conventional Pavement								Revision Mkd. - R3		Sheet No. - 04C	
R0	Jan 2017	Total Project Road with Conventional Pavement								Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: JULY ,2019	PROJECT: Consultancy Services for Preparation of Feasibility Study and DPR for Improvement and Widening to Two Lane with 1.5 m Paved Shoulder of Newly Declared NH-208 (Length 157.70 Km) for Execution on EPC Mode in the State of Tripura under NH(O)	ROAD NAME: Kailashahar to Teliamura Section of NH-208 Package:-III (Km 49+200 to Km 63+700)			M.Acharya	S.Dey	S.Sadhu	B.Koner
REVISIONS													



TYPE DESIGN FOR THE ORDINARY KILOMETRE STONE



TYPE DESIGN FOR THE 5th KILOMETRE STONE

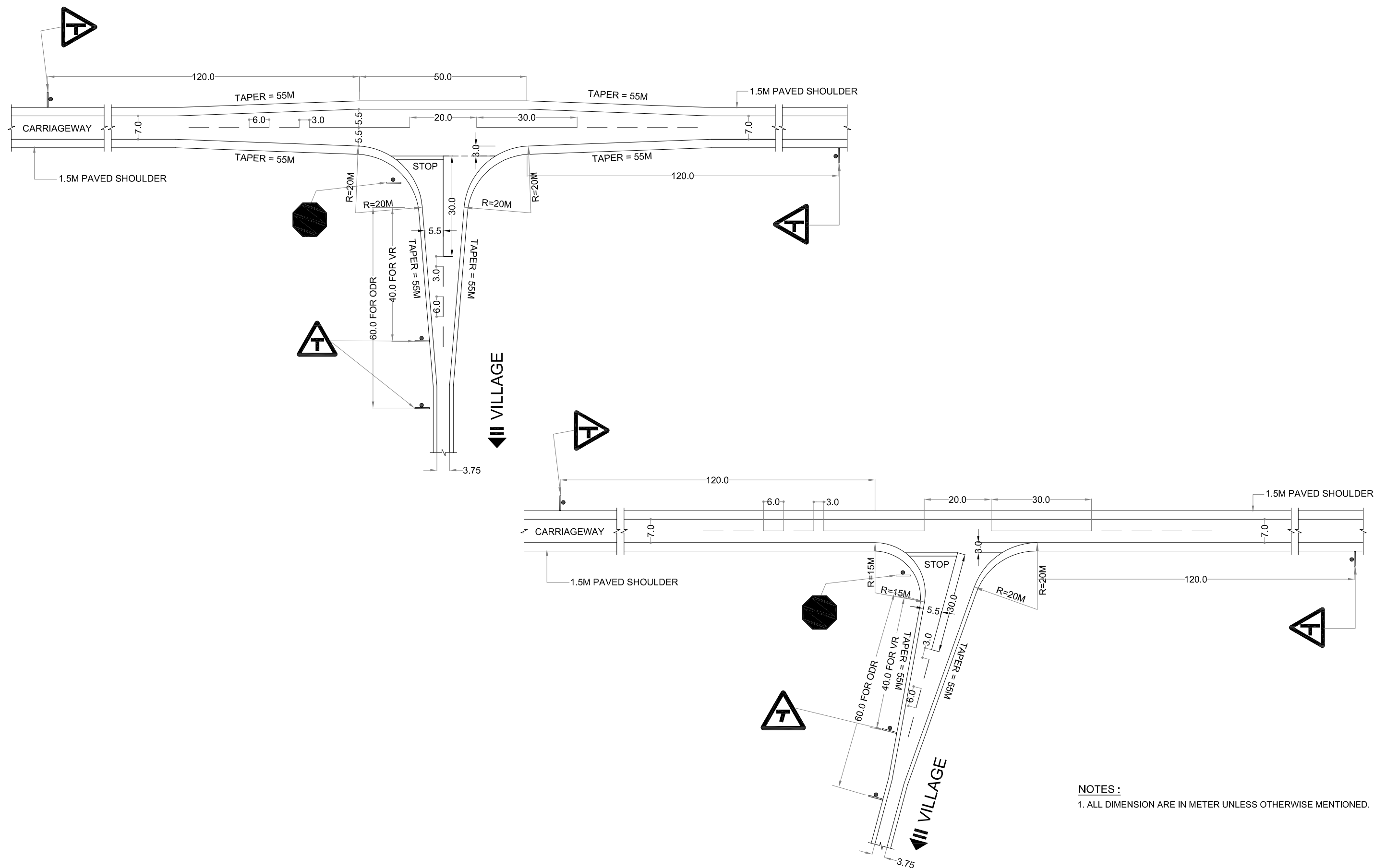


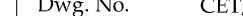
TYPE DESIGN FOR 200 - METRE STONES

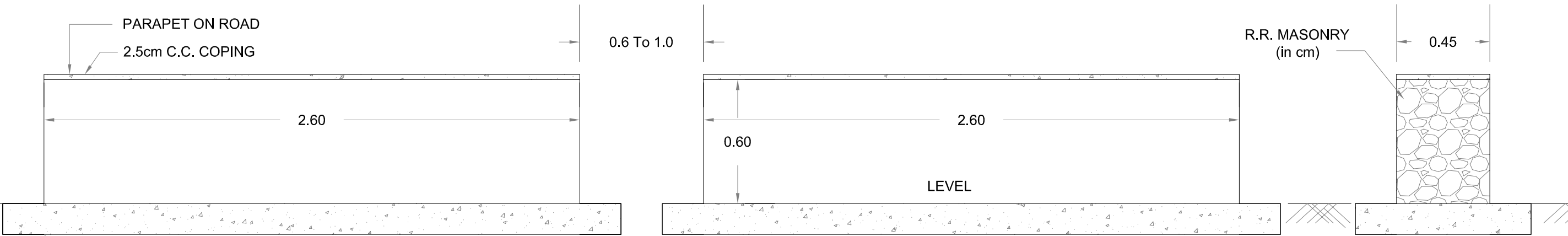
NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
2. FOR DETAILS OF KILOMETER STONE AND 5th KILOMETER STONE REFER IRC:8-1980
3. FOR DETAILS OF 200M STONE REFER IRC:26-1967.

R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	DETAILS OF ROAD FURNITURE	CONSULTANT : CETEST CE TESTING COMPANY PVT. LTD.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC
R1	June 2017	Package Wise Division with Conventional Pavement							124-A, N.S.C. Bose Road Kolkata - 700092.	Revision Mkd. - R3
R0	Jan 2017	Total Project Road with Conventional Pavement								Sheet No. - 05
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: JULY ,2019	PROJECT: Consultancy Services for Preparation of Feasibility Study and DPR for Improvement and Widening to Two Lane with 1.5 m Paved Shoulder of Newly Declared NH-208 (Length 157.70 Km) for Execution on EPC Mode in the State of Tripura under NH(O)	ROAD NAME: Kailashahar to Teliamura Section of NH-208	Package:-III (Km 49+200 to Km 63+700)		Drawn By. M.Acharya
REVISIONS										Design By. S.Dey
										Checked By. S.Sadhu
										Approved By. B.Koner



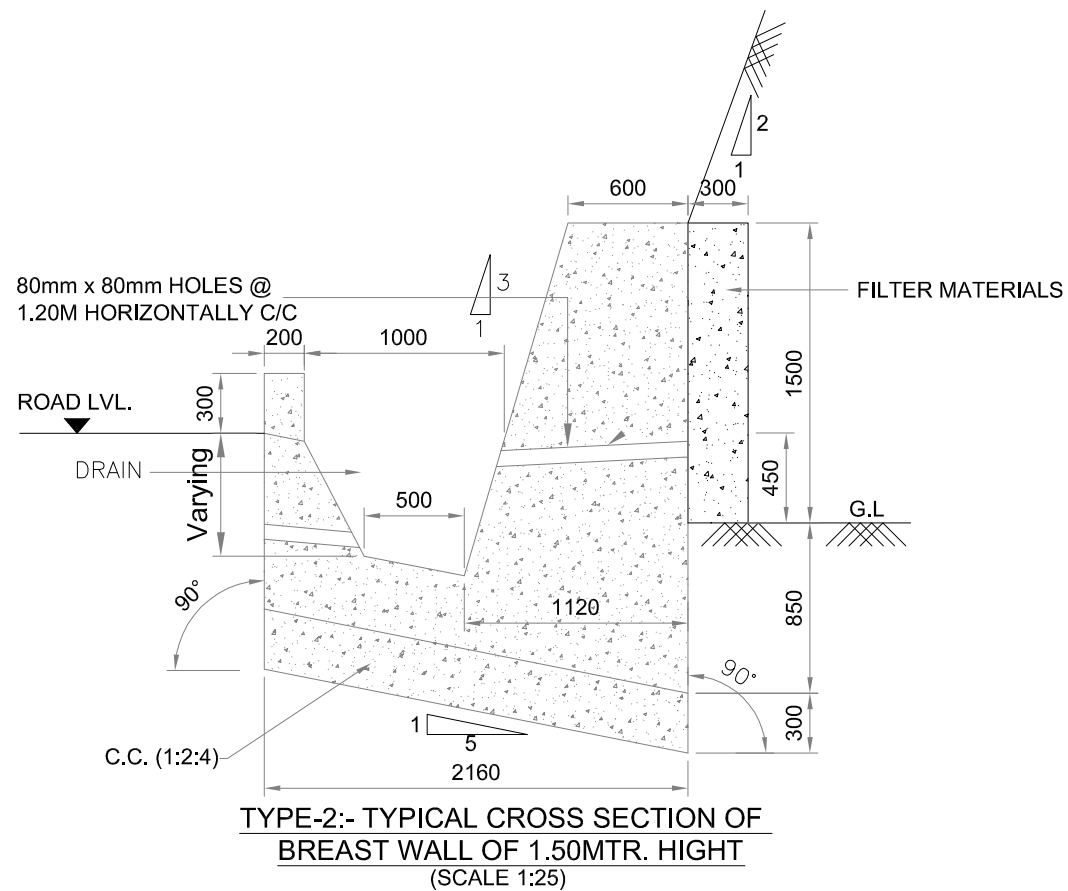
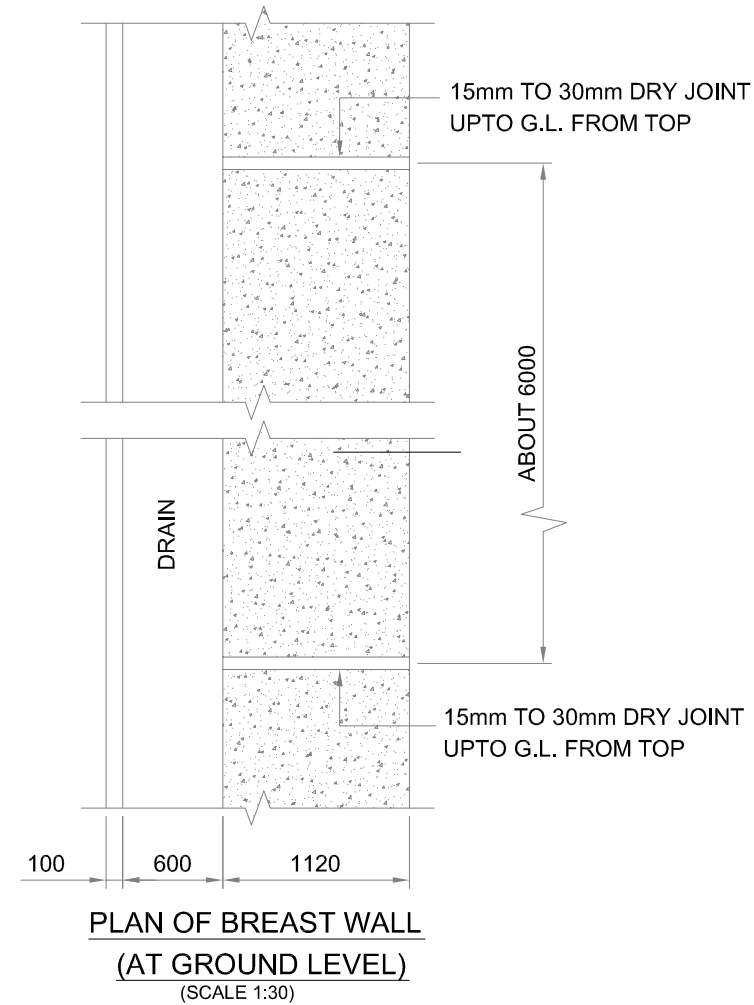
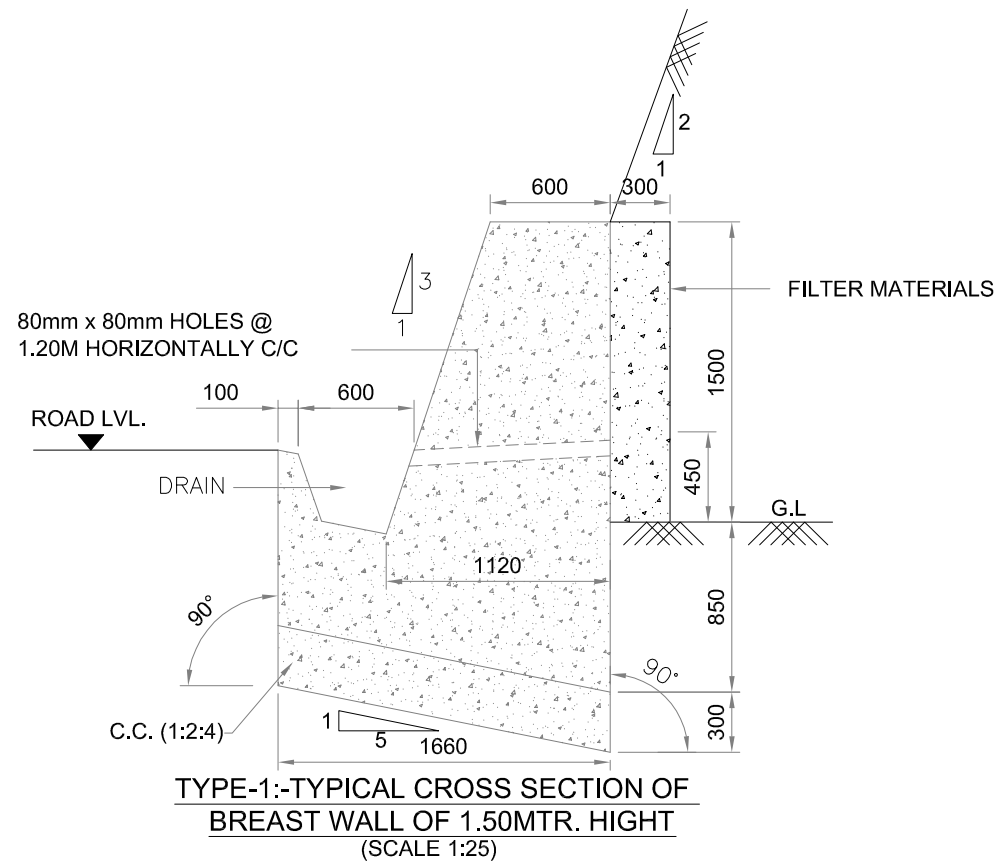
R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	TYPICAL DETAILS OF MINOR INTERSECTION	CONSULTANT :  CETEST Engineering Consultants 124-A, N.S.C. Bose Road Kolkata - 700092. An ISO 9001, 14001 & OHSAS 18001 Certified Company	Dwg. No.	CET/2015/3580/NH-208/FDPR/MISC		
R1	June 2017	Package Wise Division with Conventional Pavement								Revision Mkd. - R3	Sheet No. - 06		
R0	Jan 2017	Total Project Road with Conventional Pavement			DATE: JULY ,2019	PROJECT: Consultancy Services for Preparation of Feasibility Study and DPR for Improvement and Widening to Two Lane with 1.5 m Paved Shoulder of Newly Declared NH-208 (Length 157.70 Km) for Execution on EPC Mode in the State of Tripura under NH(O)	ROAD NAME: Kailashahar to Teliamura Section of NH-208 Package:-III (Km 49+200 to Km 63+700)			Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.						M.Acharya	S.Dey	S.Sadhu	B.Koner
REVISIONS													



PARAPET WALL
Scale - 1:100

- NOTES :-
- 1. ALL DIMENSIONS ARE IN M, UNLESS NOTED OTHERWISE.
 - 2. FOR OTHER DETAILS REFER IRC:SP:48 HILL ROAD MANUAL.

R2	Dec 2017	Introducing Innovative Pavement			SCALE: 1:100	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	DETAILS OF PARAPET WALL	CONSULTANT : CETEST Engineering Consultants An ISO 9001, 14001 & OHSAS 18001 Certified Company CET TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC				
R1	June 2017	Package Wise Division with Conventional Pavement								Revision Mkd. - R3		Sheet No. - 8		
R0	Jan 2017	Total Project Road with Conventional Pavement								Drawn By.	Design By.	Checked By.	Approved By.	
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: JULY ,2019	PROJECT: Consultancy Services for Preparation of Feasibility Study and DPR for Improvement and Widening to Two Lane with 1.5 m Paved Shoulder of Newly Declared NH-208 (Length 157.70 Km) for Execution on EPC Mode in the State of Tripura under NH(O)		ROAD NAME: Kailashahar to Teliamura Section of NH-208 Package:-III (Km 49+200 to Km 63+700)			M.Acharya	S.Dey	S.Sadhu	B.Koner
REVISIONS														



NOTES :-

1. ALL DIMENSIONS ARE IN mm, UNLESS NOTED OTHERWISE.
2. ON THE RETAINING WALL SIDE THERE SHALL BE NO FOOTPATH AND DRAIN.
3. FOR OTHER DETAILS REFER IRC:SP:48 HILL ROAD MANUAL.

R2	Dec 2017	Introducing Innovative Pavement			SCALE: AS SHOWN	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	DETAILS OF BREAST WALL	CONSULTANT : CETEST Engineering Consultants Pvt. Ltd. 124-A, N.S.C. Bose Road Kolkata - 700092.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC
R1	June 2017	Package Wise Division with Conventional Pavement								Revision Mkd. - R3
R0	Jan 2017	Total Project Road with Conventional Pavement								Sheet No. - 9
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: JULY, 2019	PROJECT: Consultancy Services for Preparation of Feasibility Study and DPR for Improvement and Widening to Two Lane with 1.5 m Paved Shoulder of Newly Declared NH-208 (Length 157.70 Km) for Execution on EPC Mode in the State of Tripura under NH(O)	ROAD NAME: Kailashahar to Teliamura Section of NH-208	Package:-III (Km 49+200 to Km 63+700)		Drawn By.
REVISIONS										Design By.
										Checked By.
										Approved By.
										M.Acharya
										S.Dey
										S.Sadhu
										B.Koner