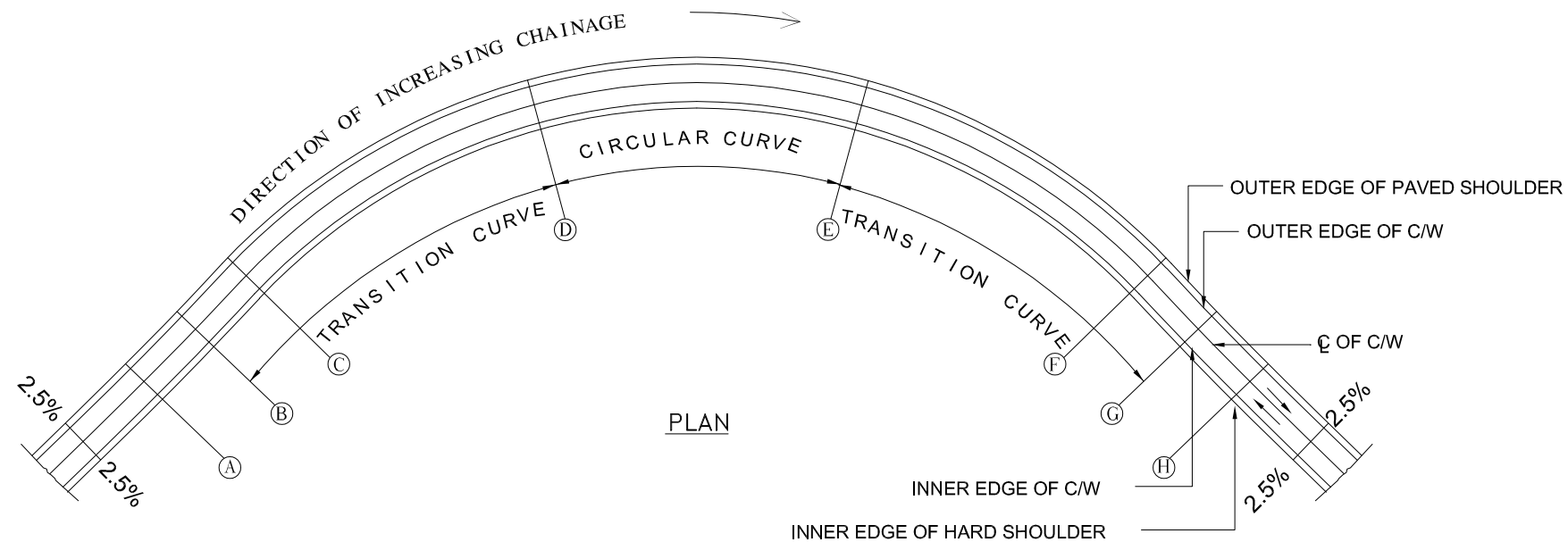
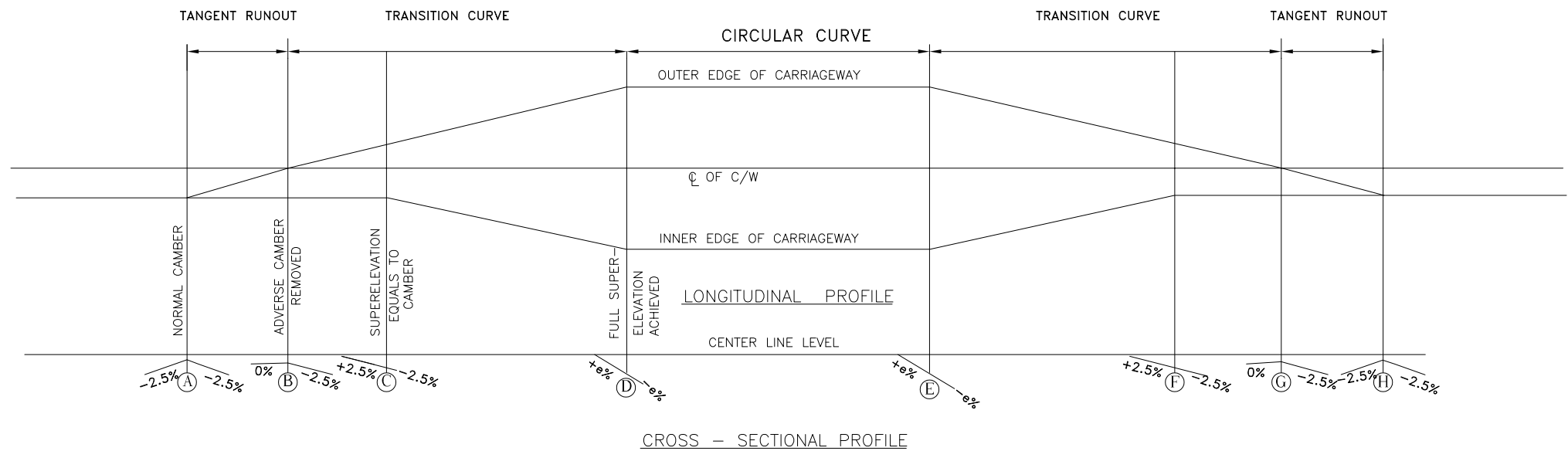
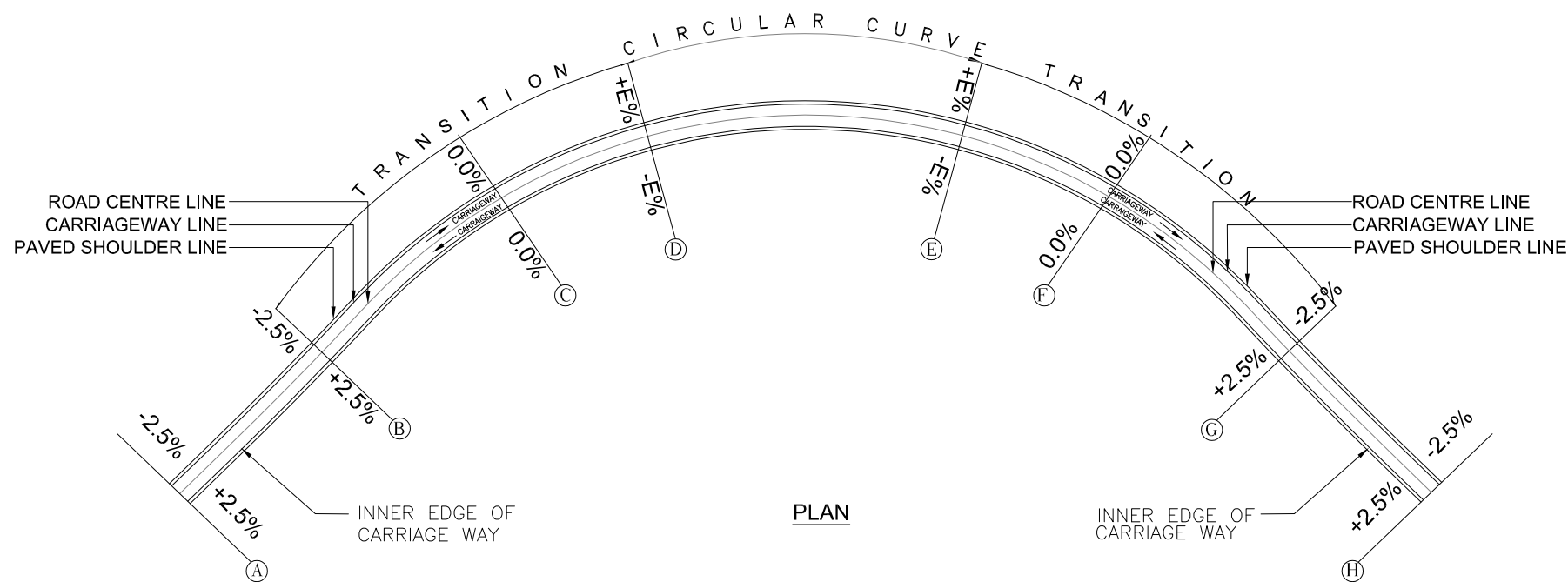
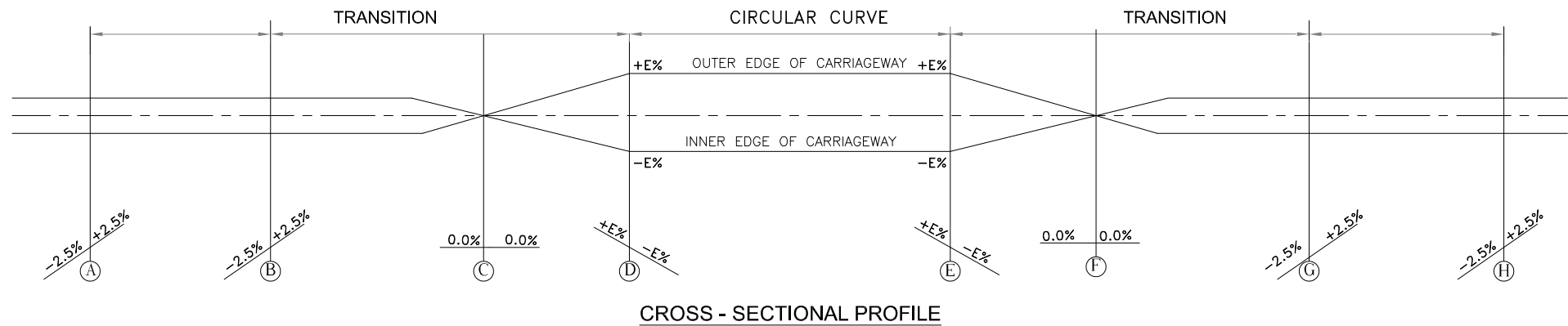


MISCELLANEOUS DRAWING



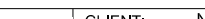
TYPICAL DETAILS OF SUPERELEVATION ATTAINMENT FOR A CIRCULAR CURVE WITH TRANSITIO CURVE
(ROTATION ABOUT CARRIAGEWAY CENTRE LINE FOR THROUGH CUTTING)

					SCALE: N.T.S		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001		DETAILS OF CURVE COMPONENT		CONSULTANT : CETEST Engineering Consultants 124-A, N.S.C. Bose Road Kolkata - 700092.		DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-1A			
					DATE: July, 2021		PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Laning with Paved Shoulder of Ukhrul - Tolo - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.		Package:-III District:- SENAPATI Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km				REVISION MKD. - R1		SHEET NO. - 01 OF 02	
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.									Drawn By.	Design By.	Checked By.	Approved By.
REVISIONS													Prabir Das	Sutripa DEy	Biplab Das	Soubhik Sadhu



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

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

					SCALE: N.T.S		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	DETAILS OF CURVE COMPONENT	CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-1B			
										REVISION MKD. - R1		SHEET NO. - 02 OF 02	
					DATE: July, 2021	PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Laning with Paved Shoulder of Ukhrul - Tolo - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III District:- SENAPATI Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km			Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.									
REVISIONS													

GUARD RAIL REFLECTOR

SHAPE : Equilateral
Trapezium

DIMENSIONS :

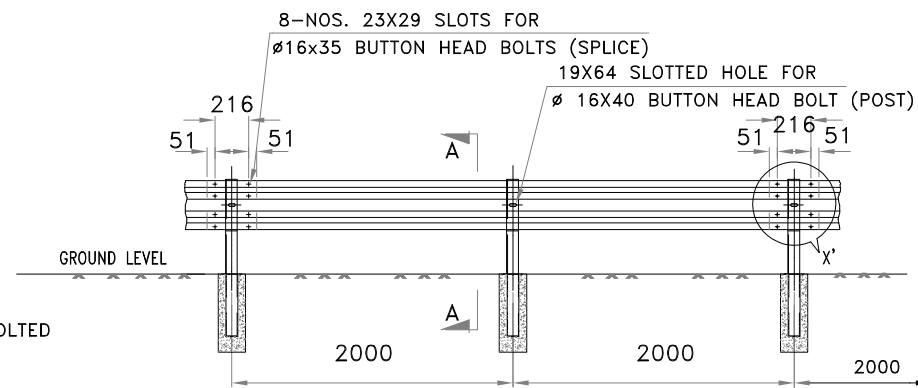
FRONT CASING

Top: 95 mm
Bottom: 70 mm
Height: 80 mm

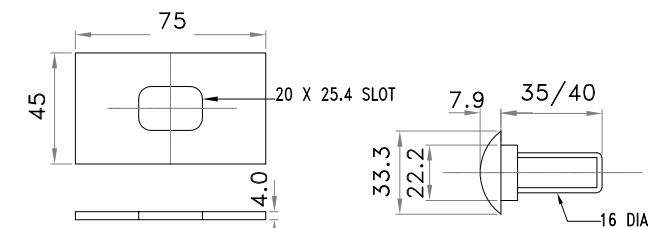
REFLECTIVE PORTION

Top: 70 mm
Bottom: 50 mm
Height: 50 mm

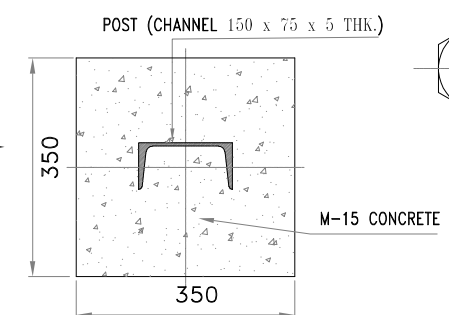
GUARD RAIL REFLECTOR WILL BE BOLTED
REPLACING SPLICE WASHER EVERY
10 POSTS INTERVAL



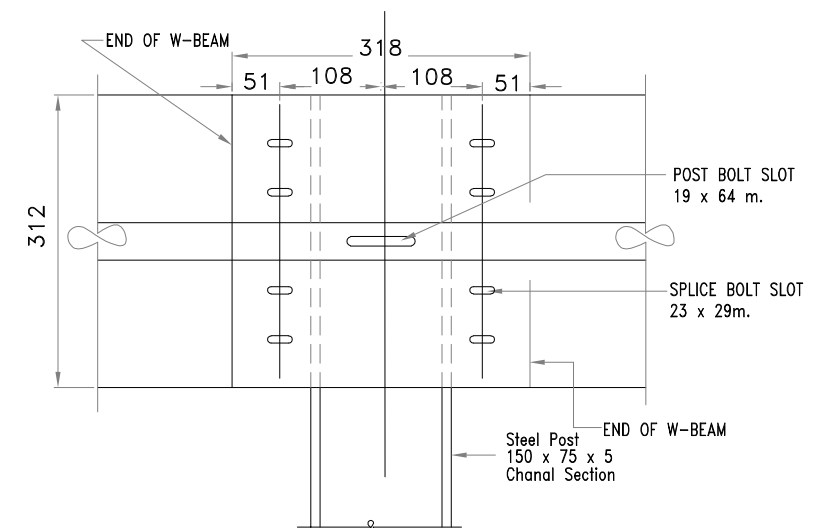
ELEVATION OF SINGLE SIDED GUARD RAIL



SPLICE WASHER



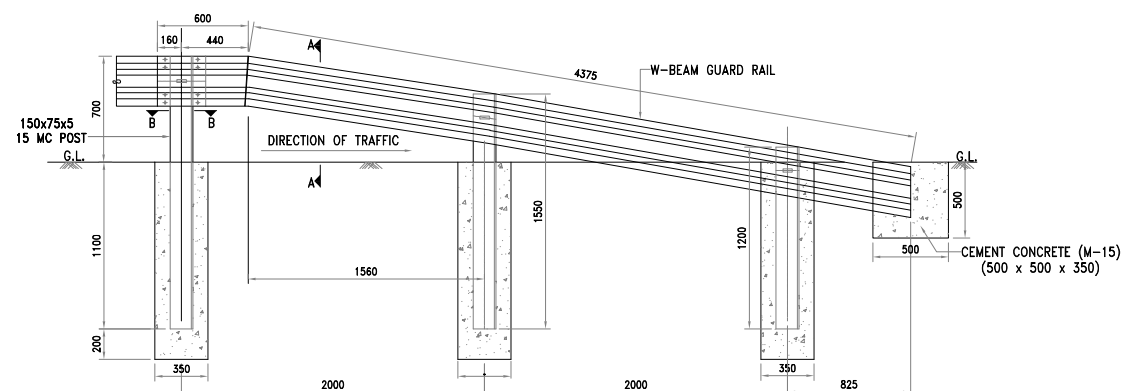
SECTION 'B-B'



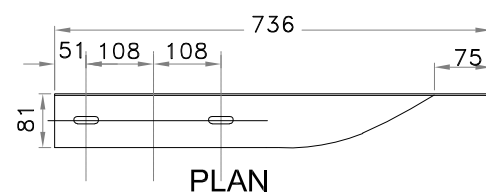
DETAILS OF 'X'

NOTES :

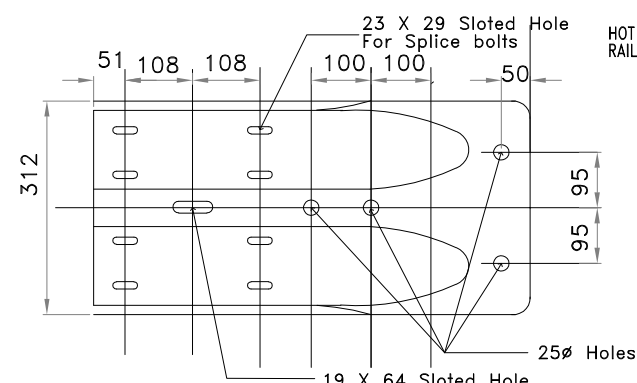
01. ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
02. ALL PUNCHING DIMENSIONS UNLESS OTHERWISE STATED = $\pm 1\text{mm}$.
03. WELDING ELECTRODES SHALL CONFORM TO IS:314.
04. FOR GUARD RAIL BEAMS, POSTS & SPACER MATERIAL SHALL CONFORM TO IS:10748, GRADE-II. IS 808, IS 2062
05. BOLTS,NUTS & WASHERS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



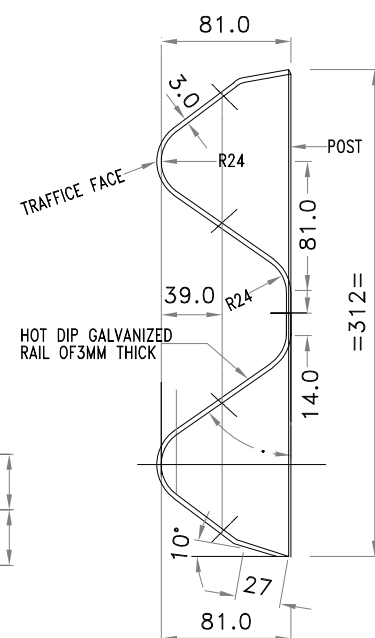
ELEVATION SHOWING SINGLE SIDED
GAURD RAIL SYSTEM - END SIDE ARRANGEMENT



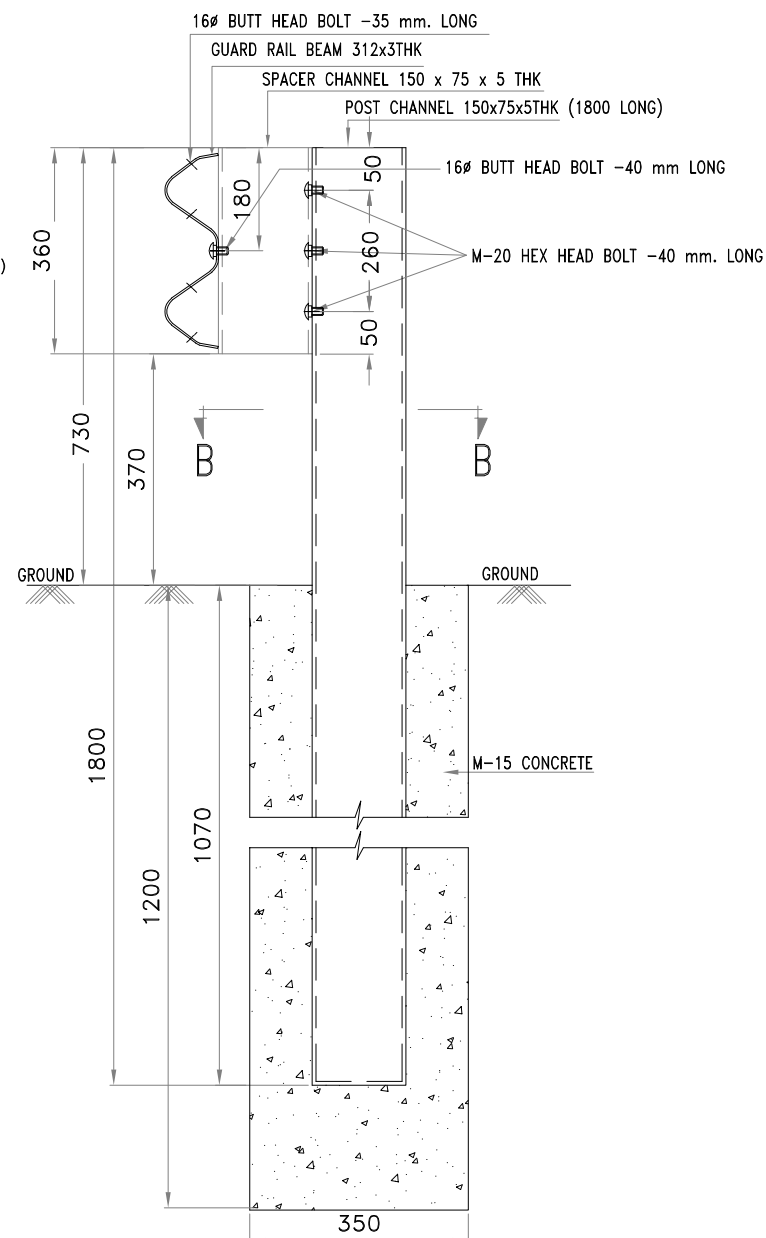
PLAN



ELEVATION OF W BEAM END SECTION (FLARED)

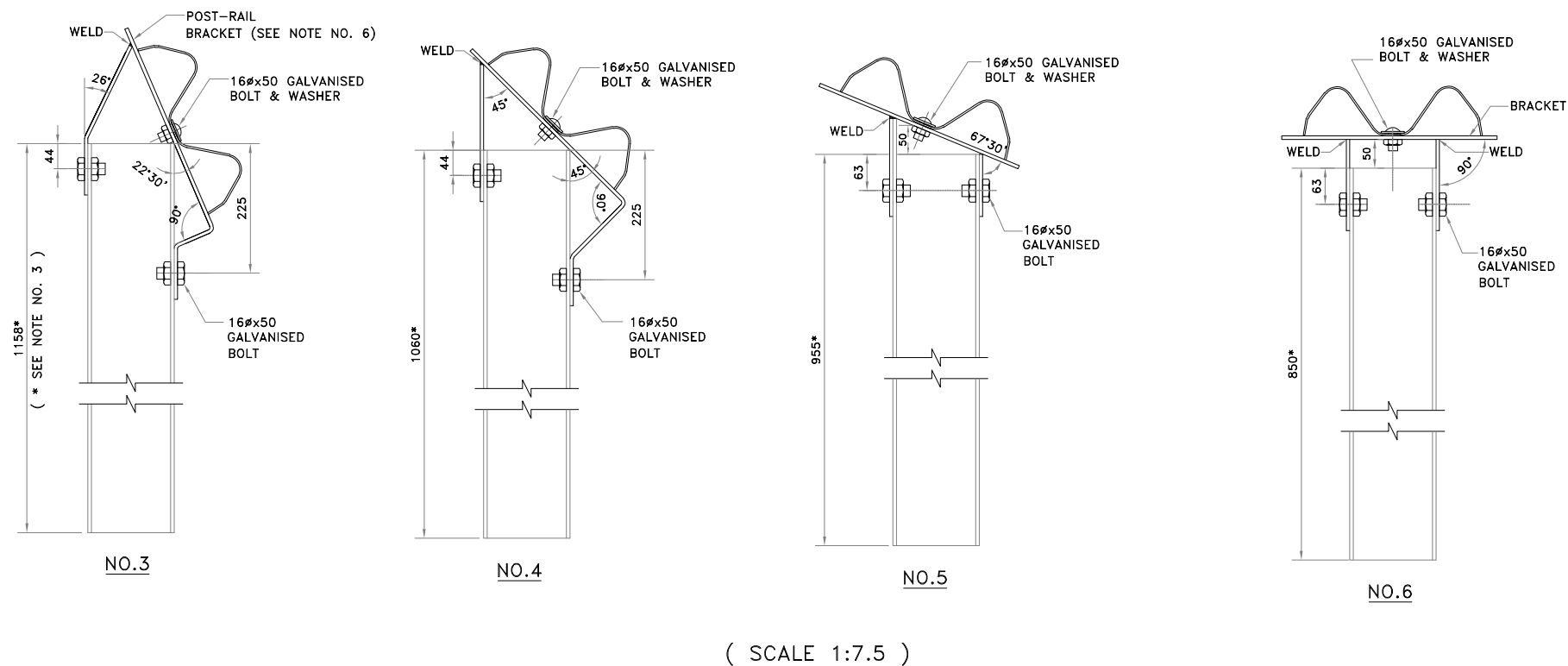
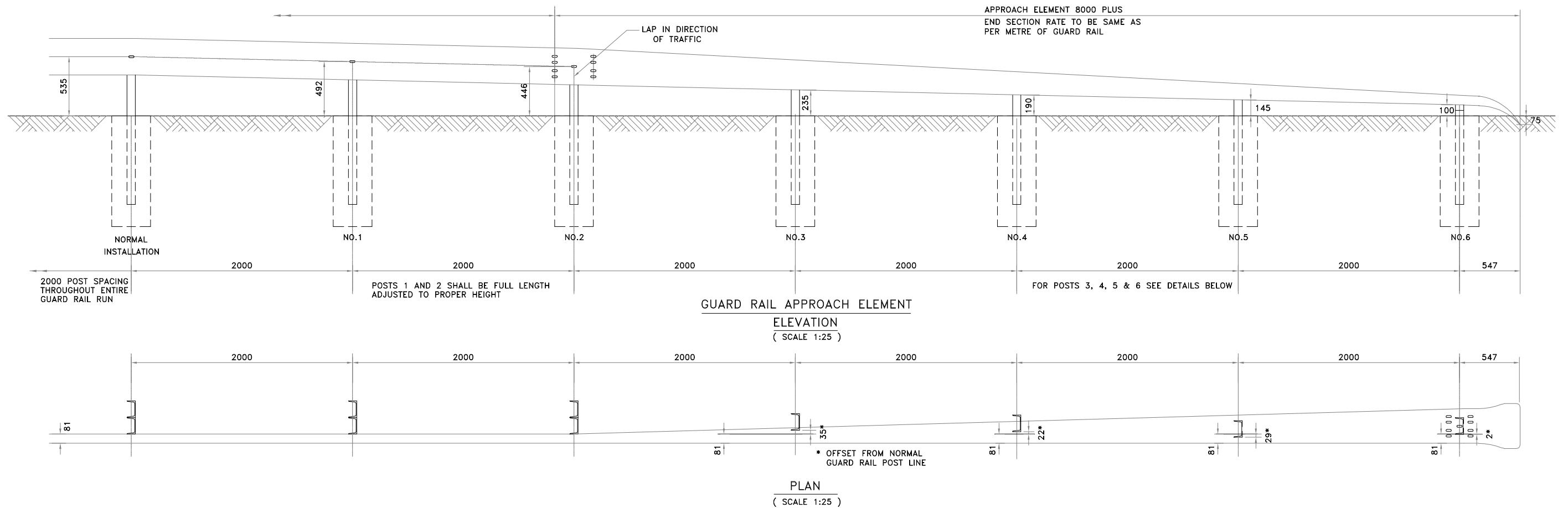


TYPICAL CROSS SECTION OF W-BEAM



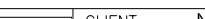
CROSS SECTION A-A

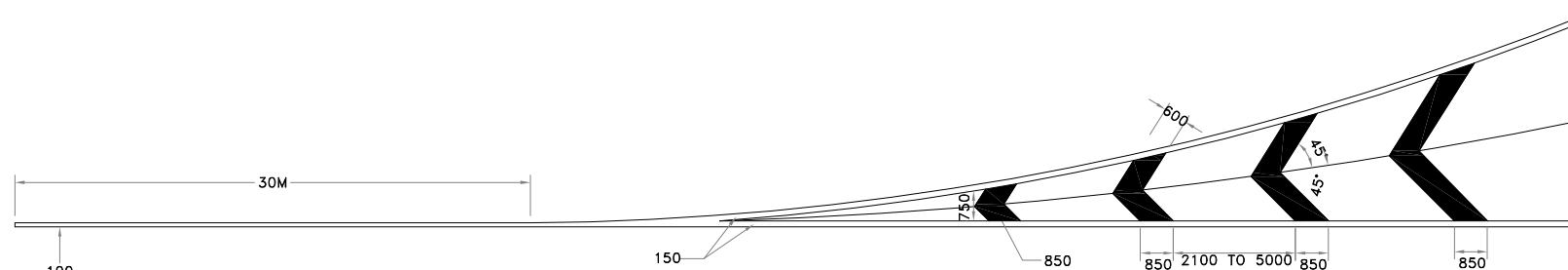
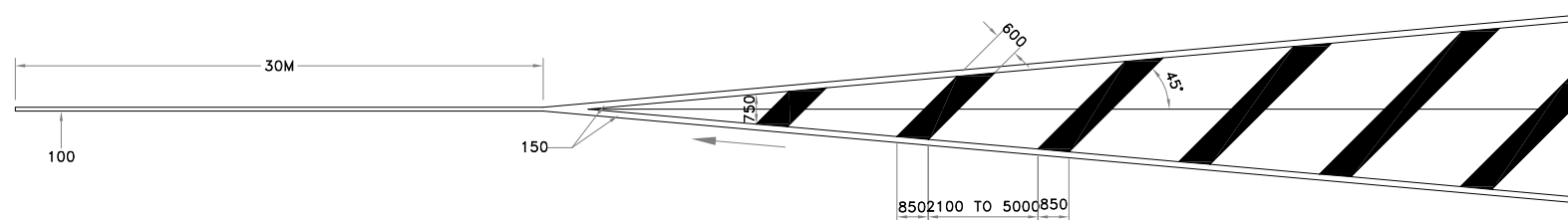
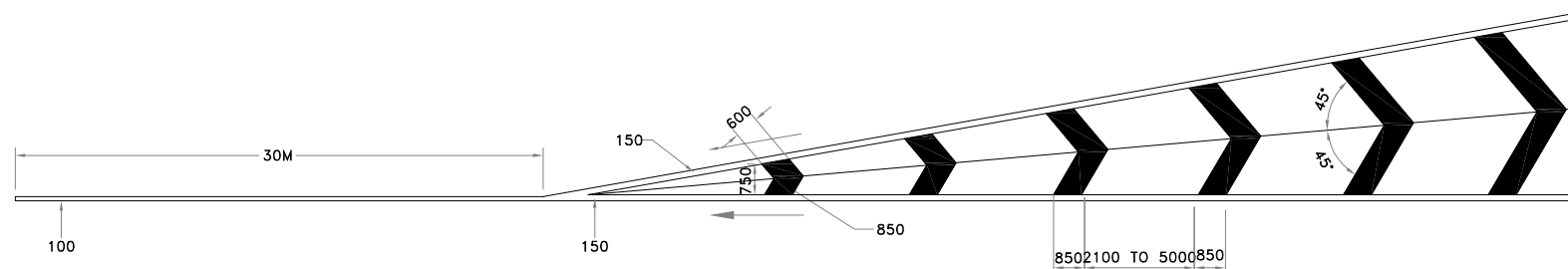
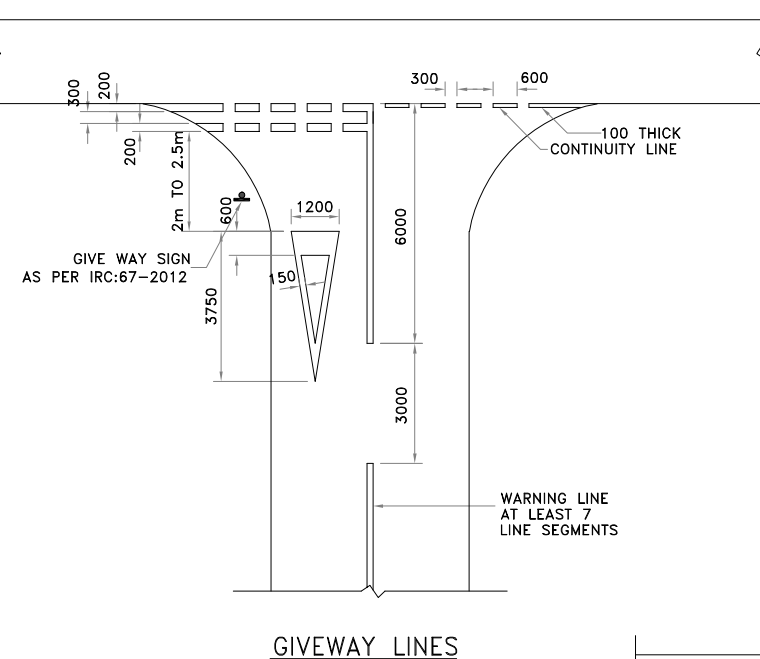
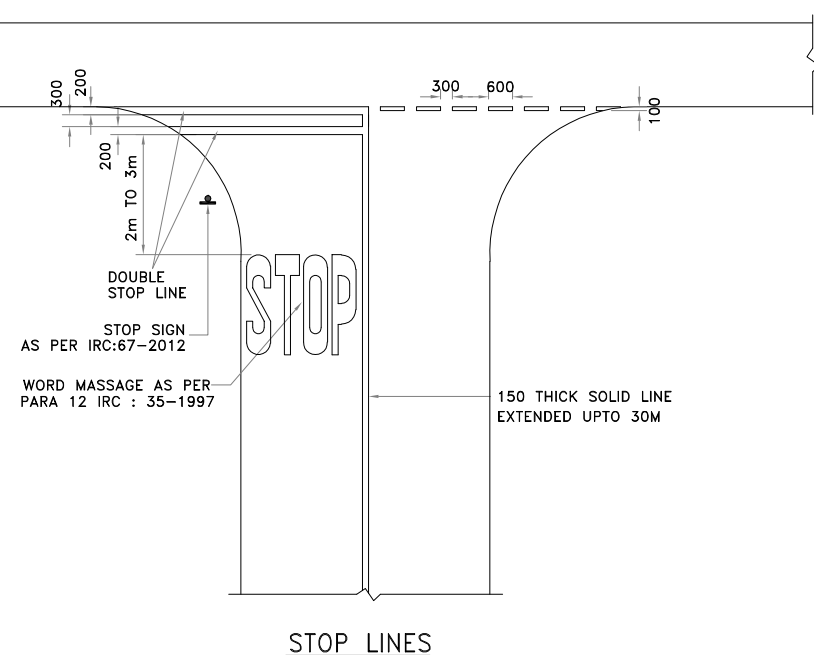
					SCALE: 1 : 25		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	DETAILS OF W-BEAM METAL CRASH BARRIER	CONSULTANT :  CETEST Engineering Consultants AN ISO 9001, 14001 & OHSAS 18001 Certified Company	CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-2A			
							PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Laning with Paved Shoulder of Ukhrul - Toloi - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III District:- SENAPATI Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km			REVISION MKD. - R1		SHEET NO. - 01 OF 02	
											Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: July, 2021									
REVISIONS														



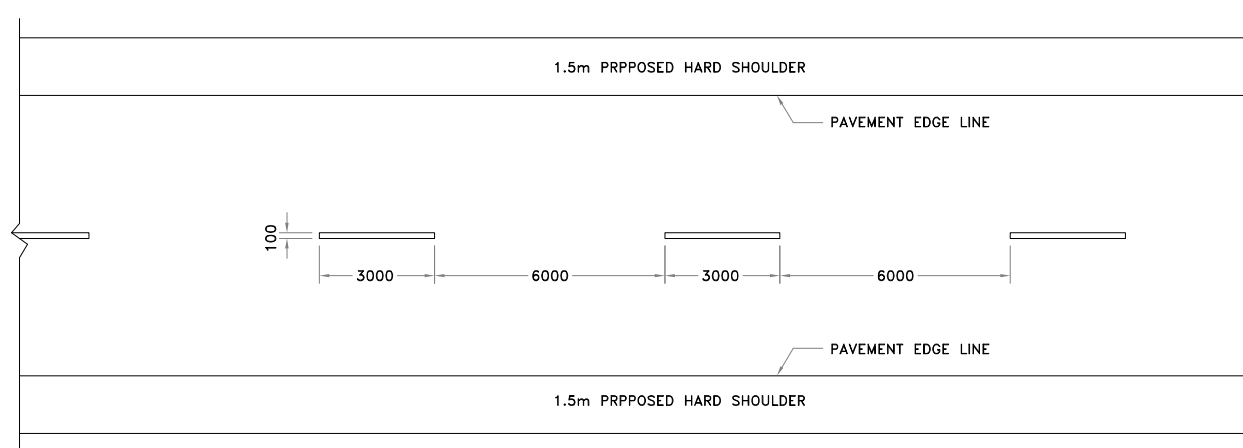
NOTES :

1. THE APPROACH ELEMENT SHALL BE TWISTED TO HORIZONTAL AND SECURED TO THE POSTS, AS SHOWN, WITH THE END SECTION TIP BURIED.
2. PLACE DELINEATOR POST ADJACENT TO THE BEGINNING OF THE APPROACH ELEMENT.
3. THE HEIGHT OF POST NOS. 3,4,5 & 6. IS INDICATIVE ONLY. THIS SHALL BE ADJUSTED TO PRODUCE A STRAIGHT LINE AT THE CENTRE OF RAIL.
4. THE APPROACH END ELEMENT SHALL BE TANGENT TO THE NORMAL GUARD RAIL LINE.
5. FOR POST, RAIL & TRAILING END ELEMENT DETAILS SEE SEPARATE DRAWING.
6. THE POST-RAIL BRACKET SHALL BE 178 MM WIDE AND HAVE A 25 MM OVERHANG ON EACH SIDE OF THE GUARD RAIL.
7. MANUFACTURERS ARE TO VERIFY DIMENSIONS BEFORE INSTALLATION AND MAKE ADJUSTMENTS, IF NECESSARY, WITH APPROVAL OF ENGINEERS.

					SCALE: As shown		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	DETAILS OF W-BEAM METAL CRASH BARRIER	CONSULTANT :  CETEST Engineering Consultants AN ISO 9001:2001 & ISO 14001:2001 Certified Company	CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-2B																																																																																																																																																																																																																																																																																																																												
REVISION MKD. - R1		SHEET NO. - 02 OF 02																																																																																																																																																																																																																																																																																																																																					
Drawn By.	Design By.	Checked By.	Approved By.																																																																																																																																																																																																																																																																																																																																				
Prabir Das	Sutripa DEy	Biplab Das	Soubhik Sadhu																																																																																																																																																																																																																																																																																																																																				
MKD. DATE DESCRIPTION CHKD. APPRD.					DATE: July, 2021	PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Lining with Paved Shoulder of Ukhrul - Toloi - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III District:- SENAPATI Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km																																																																																																																																																																																																																																																																																																																																



DETAILS OF DIAGONAL AND CHEVRON MARINGS



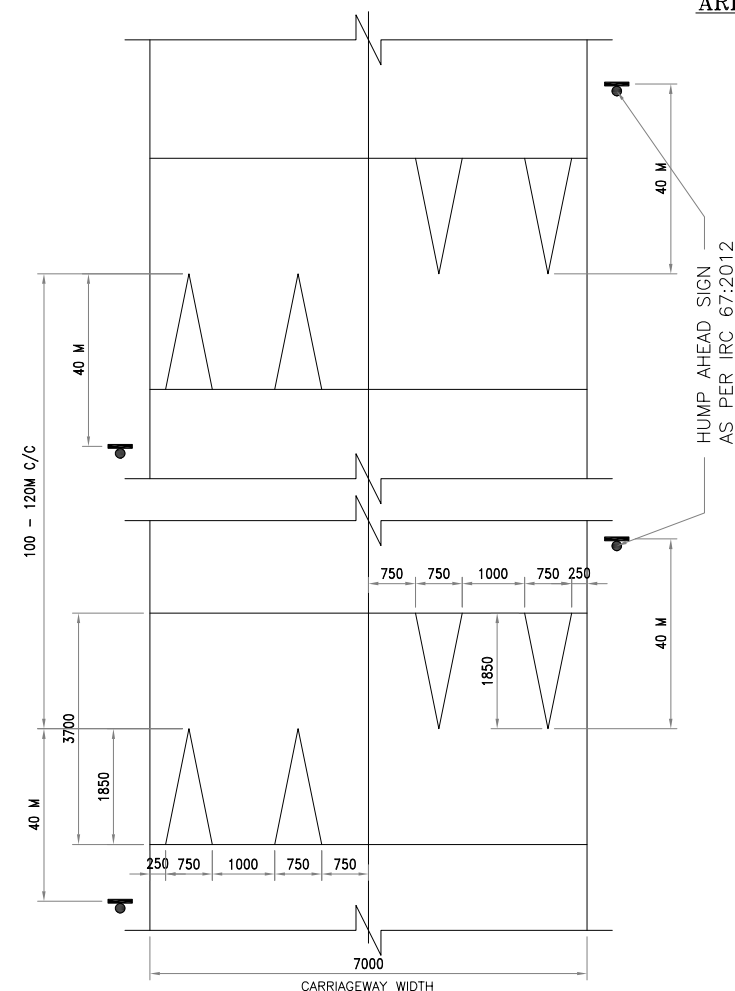
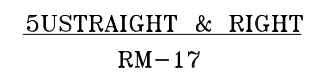
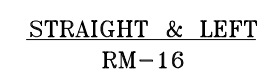
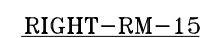
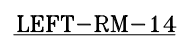
CENTERLINE MARKING FOR A TWO LANE ROAD WITH HARD SHOULDER

NOTE:

1: ALL DIMENSIONS ARE IN MM.

2: ALL DIMENSIONS SHOULD FOLLOW RELEVANT
IRC CODE NO. IRC :35-1997

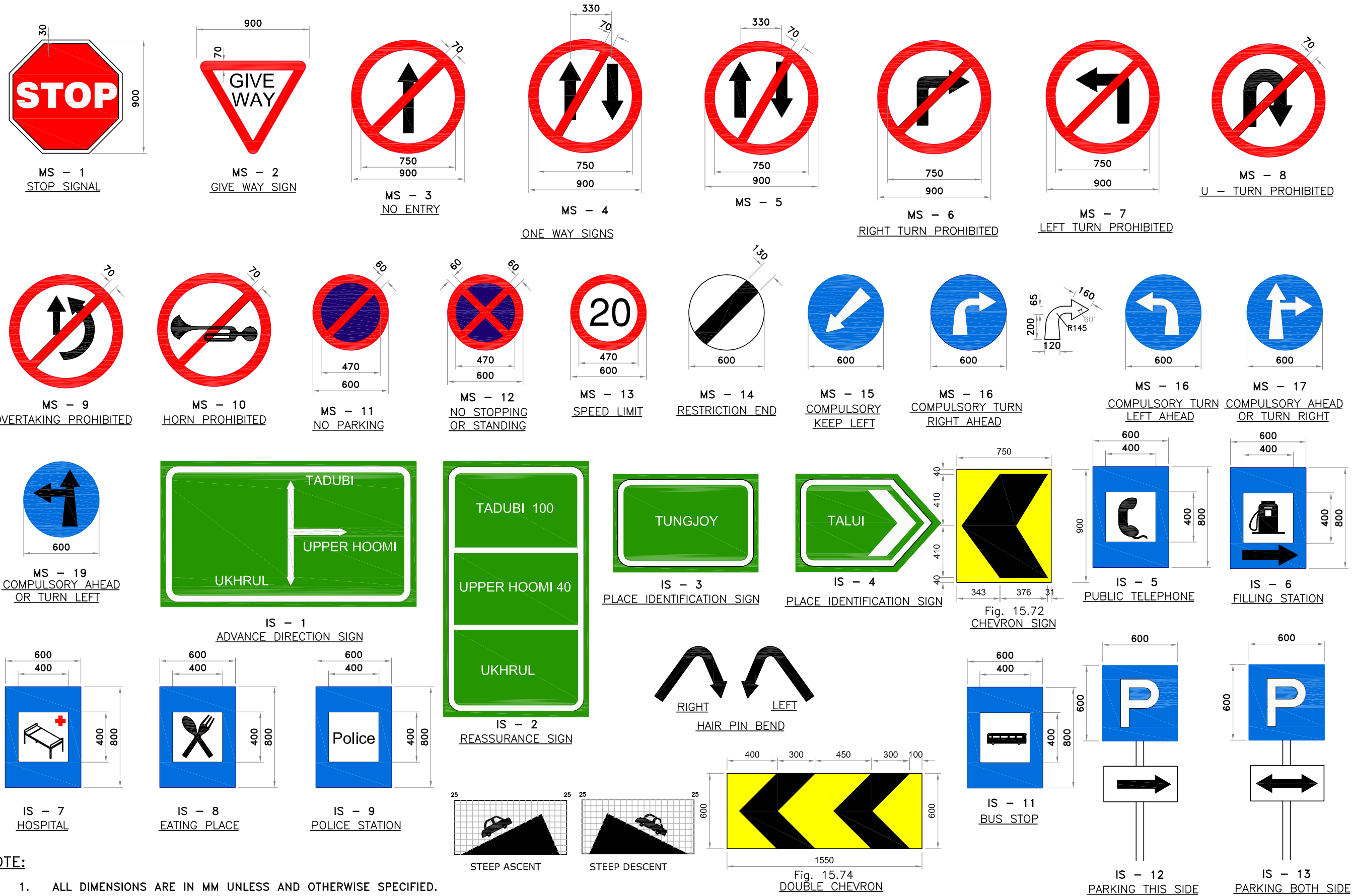
					SCALE: N.T.S.		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	PAVEMENT MARKING	CONSULTANT :  CETEST Engineering Consultants AN ISO 9001:2000 & ISO 14001:2004 Certified Company	CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-3A					
						PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Laning with Paved Shoulder of Ukhrul - Toloi - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III District:- SENAPATI Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km				REVISION MKD. - R1 SHEET NO. - 01 OF 02		Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: July, 2021								Prabir Das	Sutripa DEy	Bioplal Das	Soubhik Sadhu
REVISIONS																



DETAILS OF SPEED BREAKERS MARKING

NOTE:
1: ALL DIMENSIONS ARE IN MM.
2: ALL DIMENSIONS SHOULD
IRC CODE NO. IRC :35-1997

					SCALE: AS SHOWN	 CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	PAVEMENT MARKING		CONSULTANT :  CETEST CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.		DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-3B			
											REVISION MKD. - R1		SHEET NO. - 02 OF 02	
					DATE: July, 2021	PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Laning with Paved Shoulder of Ukhrul - Toloi - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III District:- SENAPATI				Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.			Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km				Prabir Das	Sutripta DEy	Biplab Das	Soubhik Sadhu
REVISIONS														



NOTE:

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

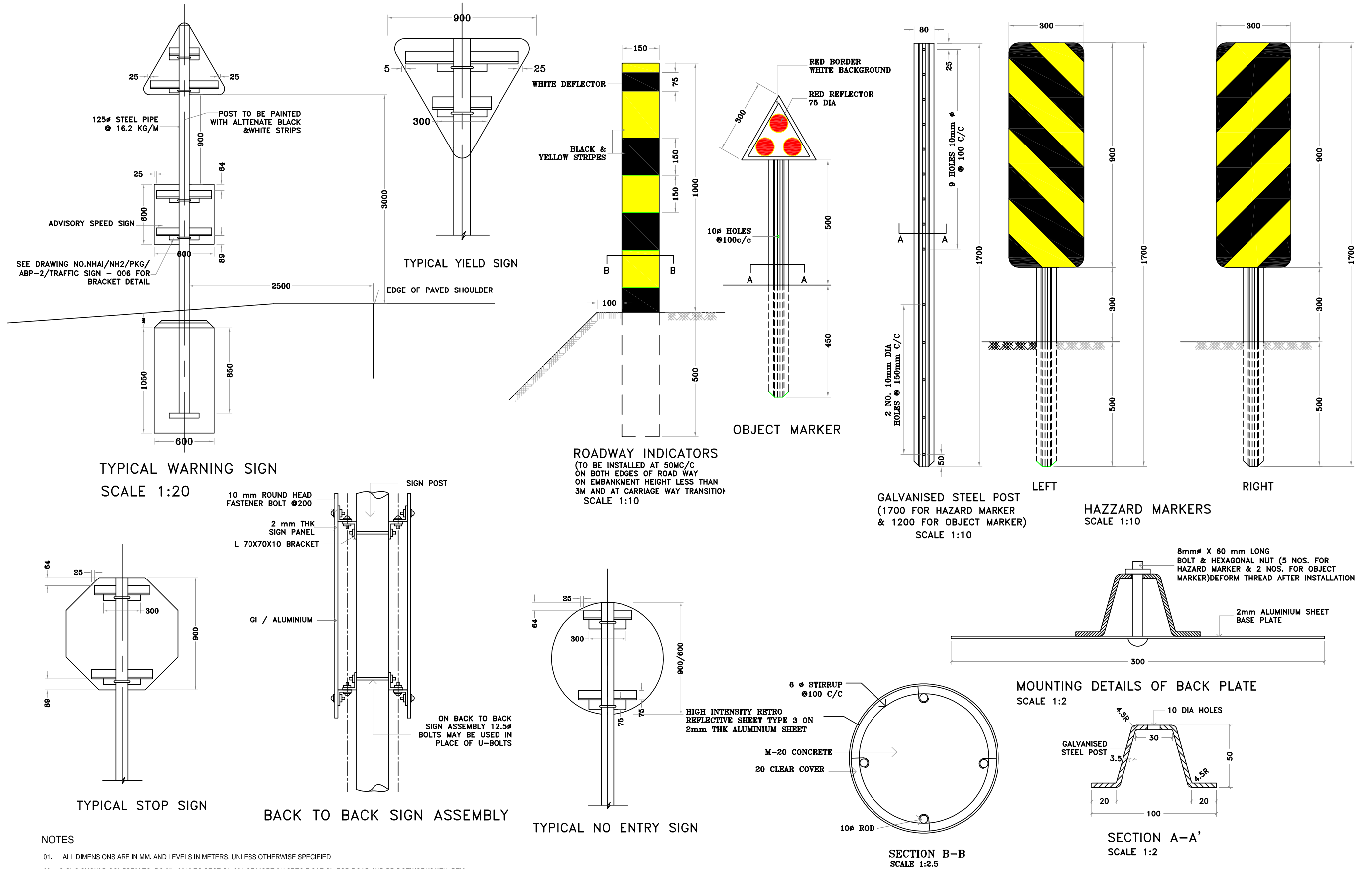
					SCALE: N.T.S.		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	TYPICAL DETAILS OF ROAD SIGNS	CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-4A			
										REVISION MKD. - R1	SHEET NO. - 01 OF 03		
										Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: July, 2021	PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Lining with Paved Shoulder of Ukhrul - Toloi - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III District:- SENAPATI Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km						
REVISIONS										Prabir Das	Sutripa DEy	Biplab Das	Soubhik Sadhu

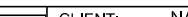


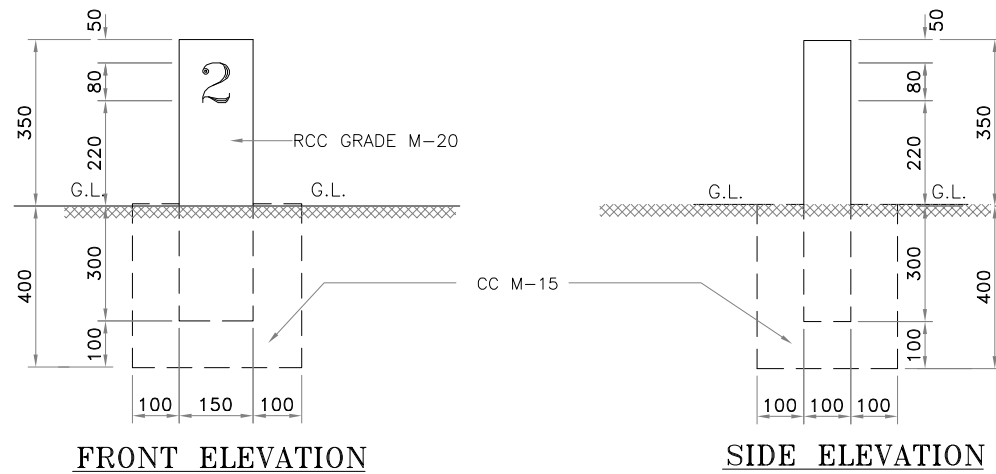
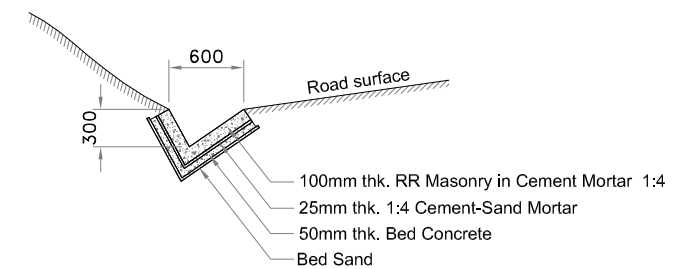
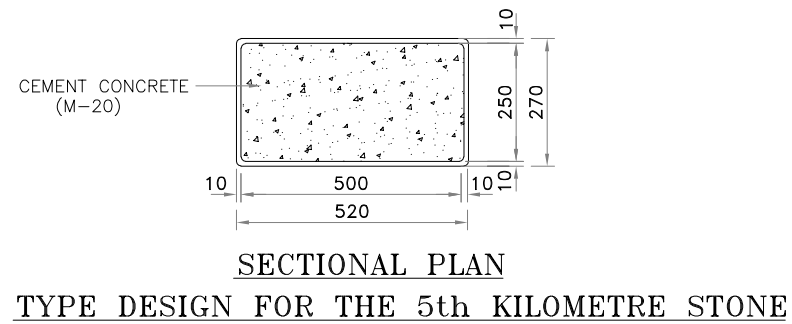
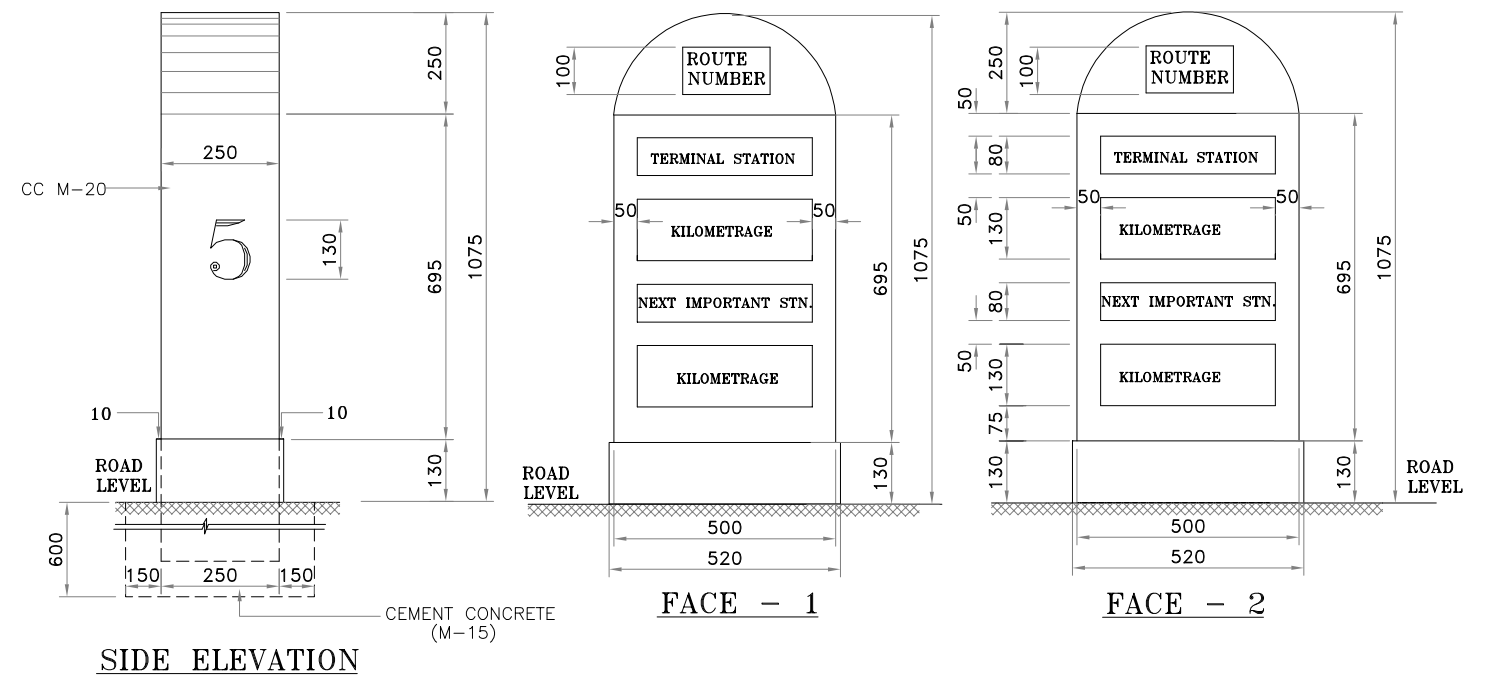
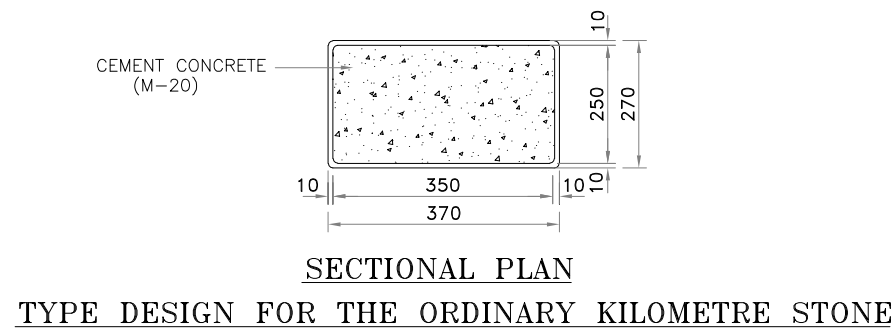
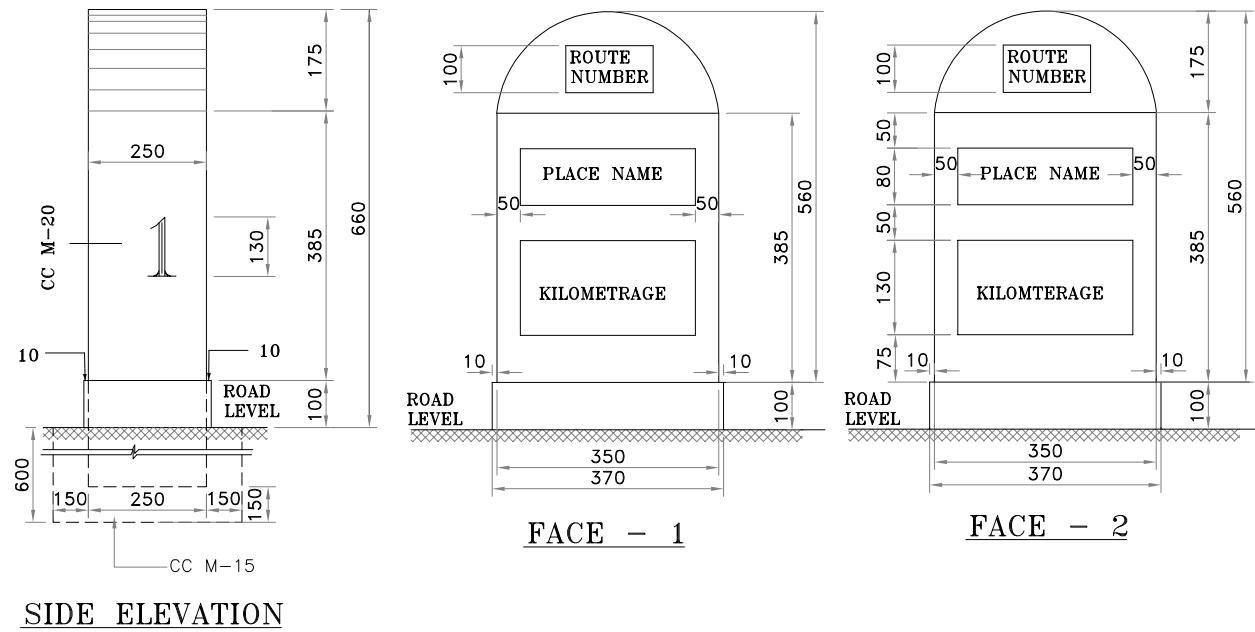
NOTE:

1. ALL DIMENSION ARE IN MM UNLESS OTHERWISE SPECIFIDE
2. FOR DETAILS OF ROAD SIGN REFER IRC-67:2012

					SCALE: N.T.S.		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	TYPICAL DETAILS OF ROAD SIGNS	CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-4B			
										REVISION MKD. - R1		SHEET NO. - 02 OF 03	
					DATE: July, 2021	PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Laning with Paved Shoulder of Ukhrul - Toloi - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III District:- SENAPATI Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km			Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.						Prabir Das	Sutripa DEy	Biplab Das	Soubhik Sadhu
REVISIONS													

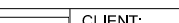


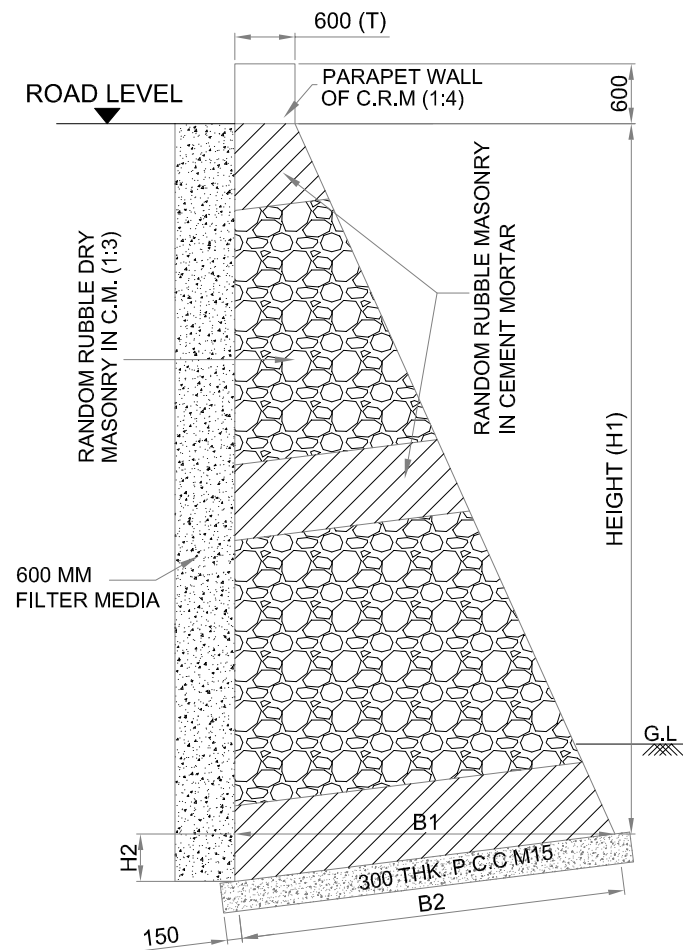
					SCALE: N.T.S.		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	SUPPORTING DETAILS OF ROAD SIGNS	CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-4C				
					DATE: July, 2021		PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Laning with Paved Shoulder of Ukhrul - Toloi - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III District:- SENAPATI Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km			REVISION MKD. - R1		SHEET NO. - 03 OF 03	
											Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.							Prabir Das	Sutripa DEy	Biplab Das	Soubhik Sadhu
REVISIONS														



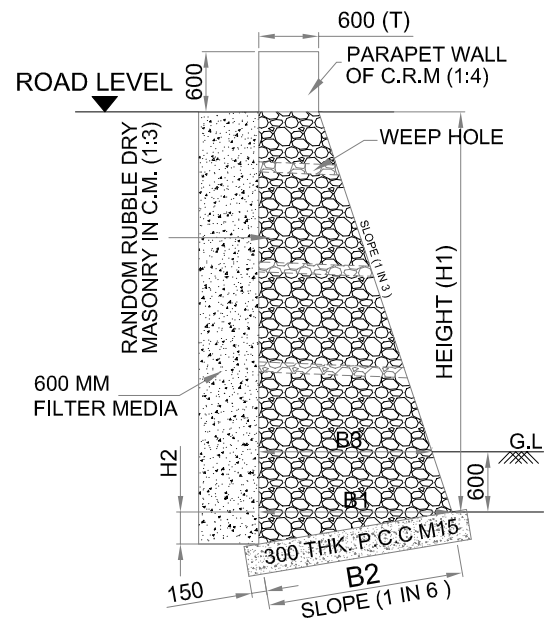
TYPE DESIGN FOR 200 - METRE STONES

- 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.

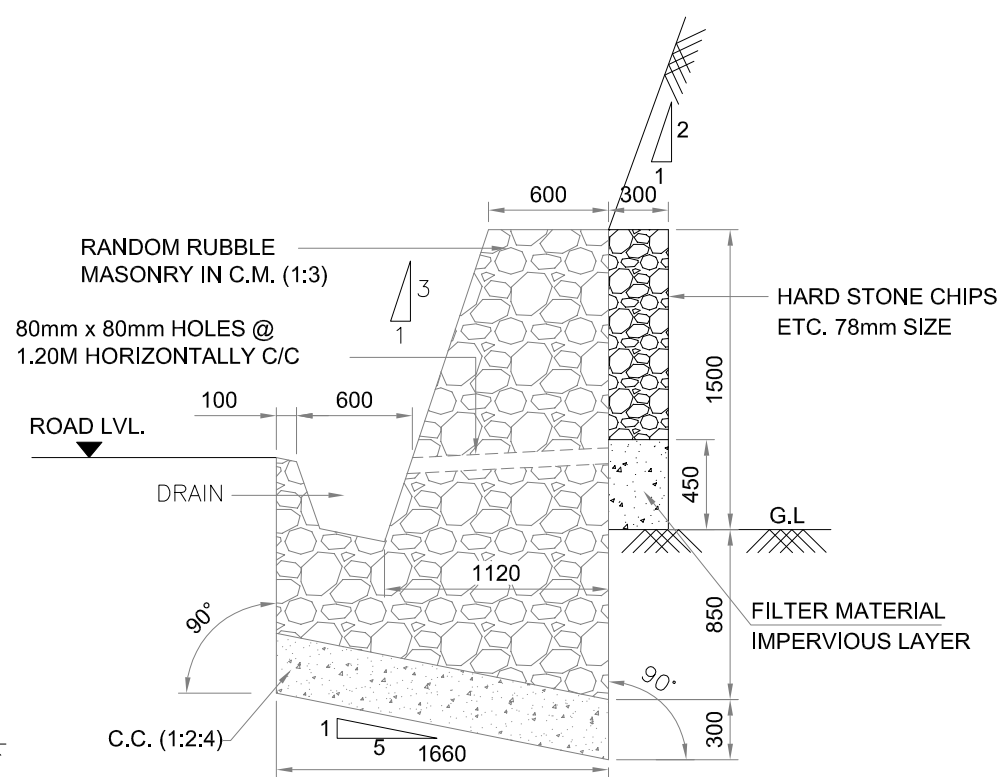
					SCALE: N.T.S.		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	DETAILS OF ROAD FURNITURE	CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-5					
					DATE: July, 2021					PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Laning with Paved Shoulder of Ukhrul - Toloi - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III District:- SENAPATI Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km	REVISION MKD. - R1		SHEET NO. - 01 OF 01	
												Drawn By.	Design By.	Checked By.	Approved By.
MKD. DATE DESCRIPTION CHKD. APPRD.												Prabir Das	Sutripa DEy	Biplab Das	Soubhik Sadhu
REVISIONS															



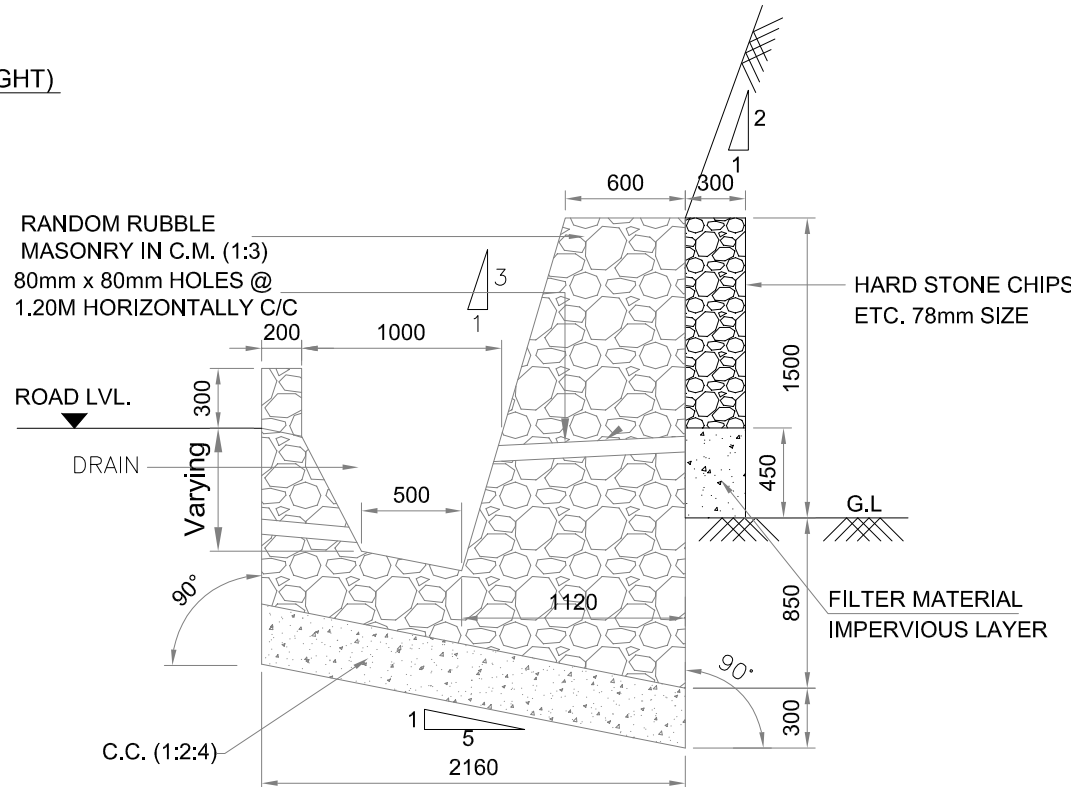
TYPICAL CROSS SECTION OF RETAINING WALL (5.0M TO 8.0M HEIGHT)
(SCALE 1:50)



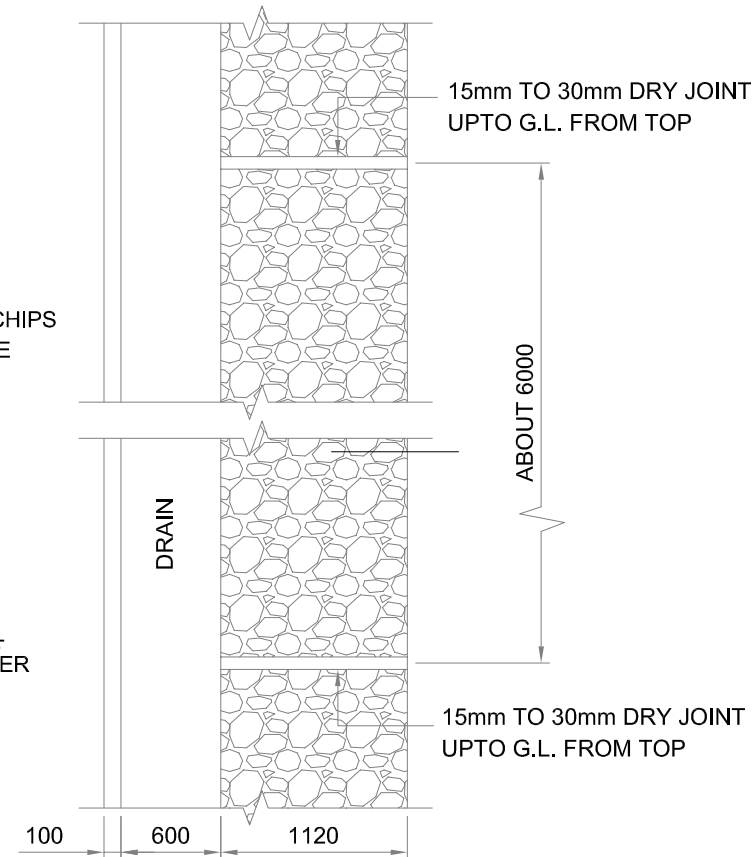
TYPICAL CROSS SECTION OF RETAINING WALL (1.5M TO 4.0M HEIGHT)
(SCALE 1:50)



TYPE-1:- TYPICAL CROSS SECTION OF BREAST WALL OF 1.50MTR. HIGHT
(SCALE 1:25)



TYPE-2:- TYPICAL CROSS SECTION OF BREAST WALL OF 1.50MTR. HIGHT
(SCALE 1:25)



PLAN OF BREAST WALL (AT GROUND LEVEL)
(SCALE 1:30)

LOCATION OF BREAST WALL			
Chainage (m)	From	To	Side
52265	52405	Left	140
56425	56505	Right	80
61455	62115	Right	660
64125	64245	Left	120
65145	65165	Left	20
65165	65205	Left	40
65345	65395	Left	50
65415	65485	Left	70
65485	65495	Left	10
65495	65545	Left	50
65905	65925	Left	20
65925	66025	Left	100
66025	66055	Left	30
66055	66085	Left	30
66085	66175	Left	90
66175	66215	Left	40
66215	66255	Left	40
66255	66435	Left	180
66555	66685	Left	130
66705	67015	Left	310
68395	68585	Left	190
69065	69155	Left	90
70365	70475	Left	110
74575	74845	Left	270
75035	75185	Left	150
75375	75415	Left	40
75520	75645	Left	125
75645	75775	Left	130
77385	77445	Left	60
77445	77475	Left	30
77715	77945	Left	230
78365	78435	Left	70
78465	78555	Left	90
78555	78675	Left	120
78845	79015	Left	170
79105	79265	Left	160
79265	79305	Left	40
79305	79345	Left	40
79345	79395	Left	50
79505	79565	Left	60
79875	79905	Left	30
80135	80225	Left	90
80225	80245	Left	20
80245	80355	Left	110
Total Length=			4685

LOCATION OF RETAINING WALL				
Chainage (Km)	From	To	Side	Length (m)
50850	50915	Right	65	4
50935	50955	Right	20	2
51265	51325	Right	60	4
51585	51655	Right	70	2
54655	54705	Left	50	2
54845	54855	Left	10	4
54945	55185	Left	240	2
56075	56175	Left	100	4
56895	56925	Left	30	4
58035	58075	Left	40	3
58125	58145	Left	20	2
58175	58185	Left	10	2
58725	58775	Left	50	2
59235	59255	Left	20	4
59285	59335	Right	50	2
59475	59625	Right	150	2
59655	59675	Right	20	4
59775	59835	Right	60	4
59835	59915	Left	80	6
63175	63185	Left	10	3
64955	65125	Right	170	4
65485	65495	Right	10	3
65665	65705	Right	40	2
65765	65795	Right	30	6
65795	65885	Both	180	5
65885	65905	Right	20	4
66055	66085	Right	30	3
66175	66215	Right	40	2
66255	66435	Right	180	4
66435	66555	Right	120	2
67335	67365	Right	30	2
67495	67535	Right	40	6
67705	67725	Right	20	4
68025	68185	Right	160	2
68365	68395	Right	30	2
68715	68815	Right	100	6
68845	68975	Right	130	6
69285	69425	Right	140	2
71325	71345	Right	20	2
71375	71435	Right	60	2
71545	71585	Right	40	4
72155	72195	Right	40	2
74315	74365	Right	50	2
74445	74475	Right	30	2
75935	75975	Right	40	2
75985	76055	Right	70	2
76895	76925	Right	30	4
77045	77065	Right	20	2
77595	77715	Right	120	2
77945	78065	Right	120	2
78105	78215	Right	110	2
78245	78255	Both	20	4
78255	78365	Right	110	2
78795	78845	Right	50	2
79585	79815	Right	230	2
80225	80245	Right	20	2
80815	80915	Right	100	2
81175	81295	Right	120	2
Total Length			3855	

DIMENSION TABLE OF RETAINING WALL

HEIGHT 'H1'	T	B1	B2	B3	H2	FOUNDATION BED
2	0.60	1.27	1.284	1.1	0.211	300mm THK. P.C.C. (M15)
3	0.60	1.60	1.622	1.4	0.267	300mm THK. P.C.C. (M15)
4	0.60	1.93	1.960	1.7	0.322	300mm THK. P.C.C. (M15)

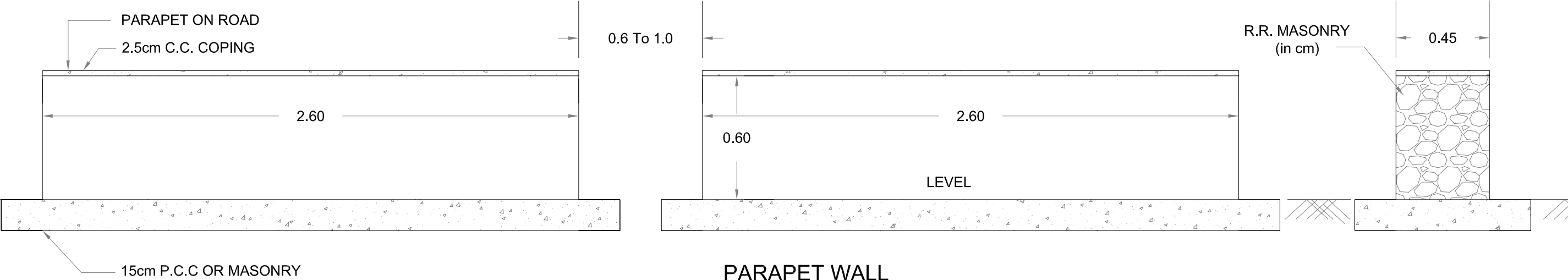
DIMENSION TABLE OF RETAINING WALL

HEIGHT 'H1'	T	B1	B2	B3	H2	SLOP	FOUNDATION BED
5	0.60	2.3	2.33	1.28	0.383	1 IN 6	300mm THK. P.C.C. (M15)
6	0.60	2.7	2.74	1.60	0.450	1 IN 6	300mm THK. P.C.C. (M15)
8	0.60	3.8	3.83	1.93	0.475	1 IN 8	300mm THK. P.C.C. (M15)

NOTES :-

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

					SCALE: As Shown					CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001					DETAILS OF RETAINING WALL & BREAST WALL					CONSULTANT : CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.					DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-06				
																									REVISION MKD. - R1				
																									SHEET NO. - 01 OF 01				
																									Drawn By.				
																									Design By.				
																									Checked By.				
																									Approved By.				
																									Prabir Das				
																									Sutripa DEy				
																									Biplab Das				
																									Soubhik Sadhu				



PARAPET WALL
Scale - 1:100

LOCATION OF PARAPET WALL

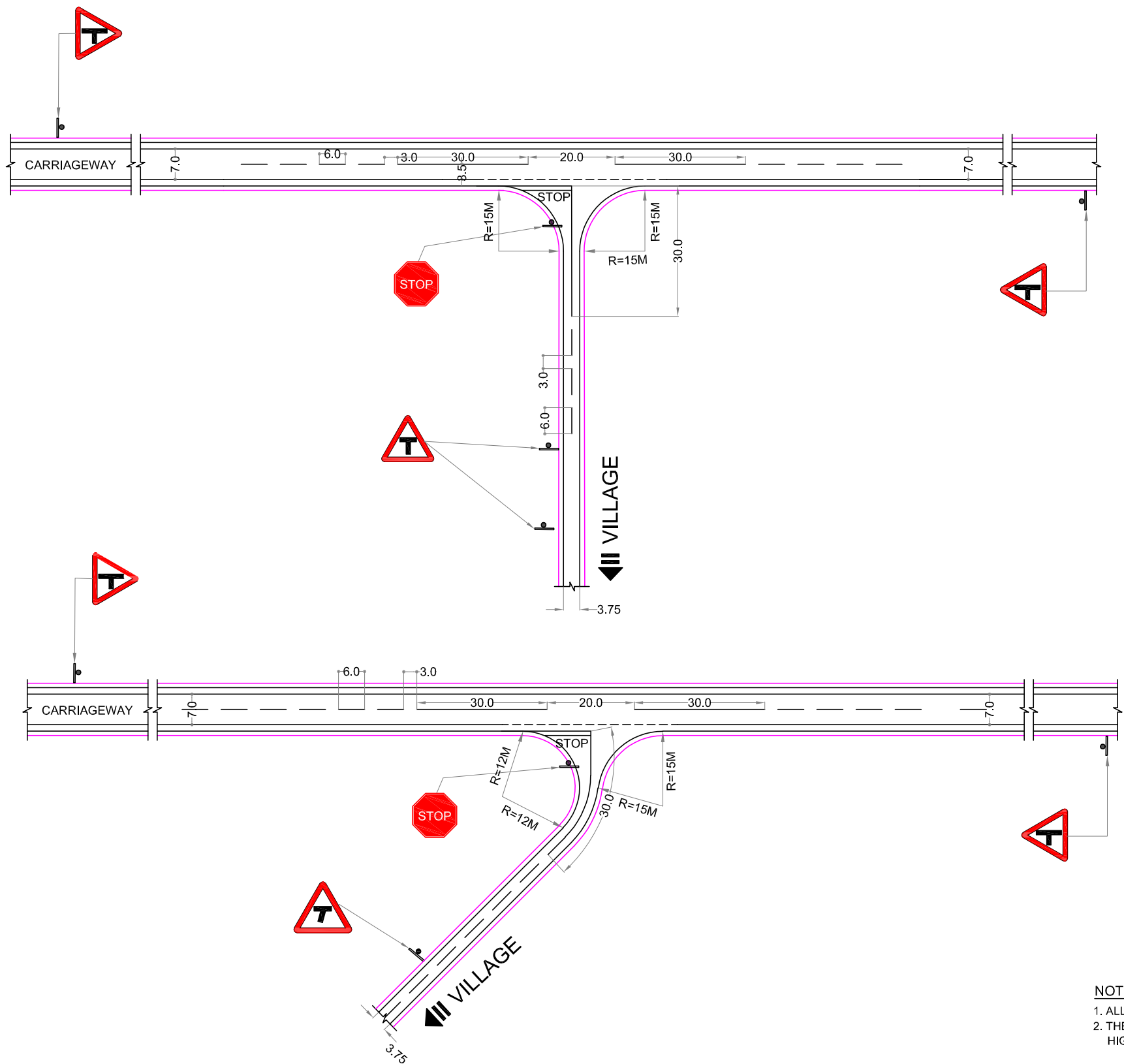
Chainage (m)		Side	Length (m)
From	To		
51210	51260	Right	50
54460	54490	Right	30
55380	55400	Left	20
55910	55920	Left	10
56690	56730	Left	40
56830	57000	Left	170
58210	58670	Left	460
58780	58830	Left	50
59350	59430	Right	80
59460	59470	Right	10
59630	59650	Right	20
65125	65145	Right	20
65165	65185	Right	20
65265	65345	Right	80
66215	66265	Right	50
66785	67055	Right	270
67195	67335	Right	140
67865	68025	Right	160
68475	68565	Right	90
68595	68655	Right	60
69075	69175	Right	100
70435	71325	Right	890
72250	72275	Right	25
73295	73525	Right	230
74965	75095	Right	130

LOCATION OF PARAPET WALL

Chainage (m)		Side	Length (m)
From	To		
75825	75900	Right	75
77035	77045	Right	10
77345	77375	Right	30
77385	77445	Right	60
77715	77865	Right	150
78875	79035	Right	160
79115	79245	Right	130
80115	80165	Right	50
80420	80450	Right	30
80850	80880	Right	30
81500	81525	Right	25
Total			3180

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

					SCALE: As Shown		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	DETAILS OF PARAPET WALL	CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-07			
										REVISION MKD. - R1		SHEET NO. - 01 OF 01	
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: July, 2021	PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Laning with Paved Shoulder of Ukhrul - Toloi - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km	District:- SENAPATI		Drawn By.	Design By.	Checked By.	Approved By.
REVISIONS										Prabir Das	Sutripa DEy	Biplab Das	Soubhik Sadhu



- NOTES :
- 1. ALL DIMENSION ARE IN METER UNLESS OTHERWISE MENTIONED
 - 2. THE DESIGN IS SUITABLE FOR AN INTERSECTION OF A TWO LANE STATE HIGHWAY AND A SINGLE LANE OTHER DISTRICT ROAD / VILLAGE ROAD

						CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. 4, Parliament Street, New Delhi - 110001	MINOR INTER SECTION	CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG. NO:- CET/2016/3640/NH-102A/FDPR/MISC-08			
SCALE: AS SHOWN									REVISION MKD. - R1		SHEET NO. - 01	
M.KD. DATE DESCRIPTION CHKD. APPRD.					PROJECT: Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Two Laning with Paved Shoulder of Ukhrul - Toloi - Tadubi Section of NH-102A (115 km) in the State of Manipur on EPC mode.	Package:-III District:- SENAPATI Design chainage:- 50+850 Km to 81+870 Km Existing chainage:-54+990 Km to 88+520 Km			Drawn By.	Design By.	Checked By.	Approved By.
REVISIONS									Prabir Das	Sutripa DEy	Biplab Das	Soubhik Sadhu