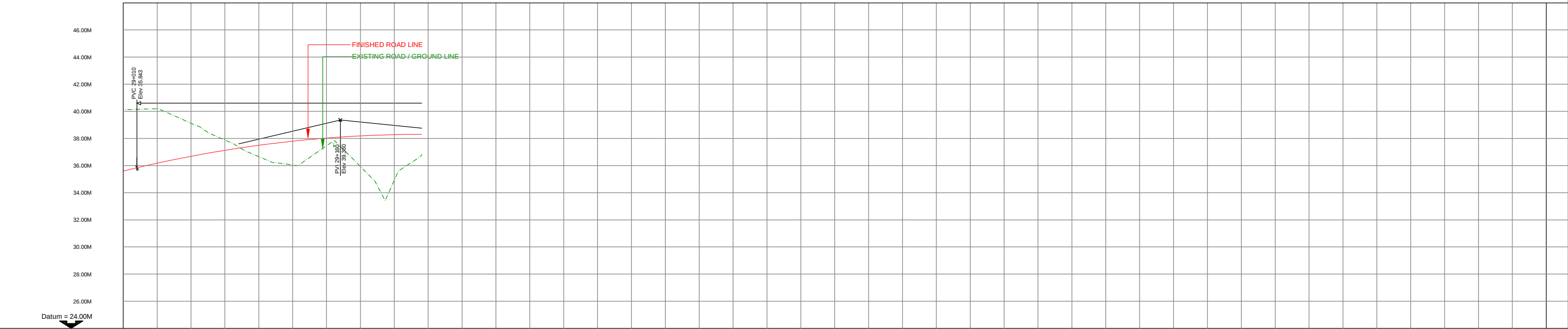
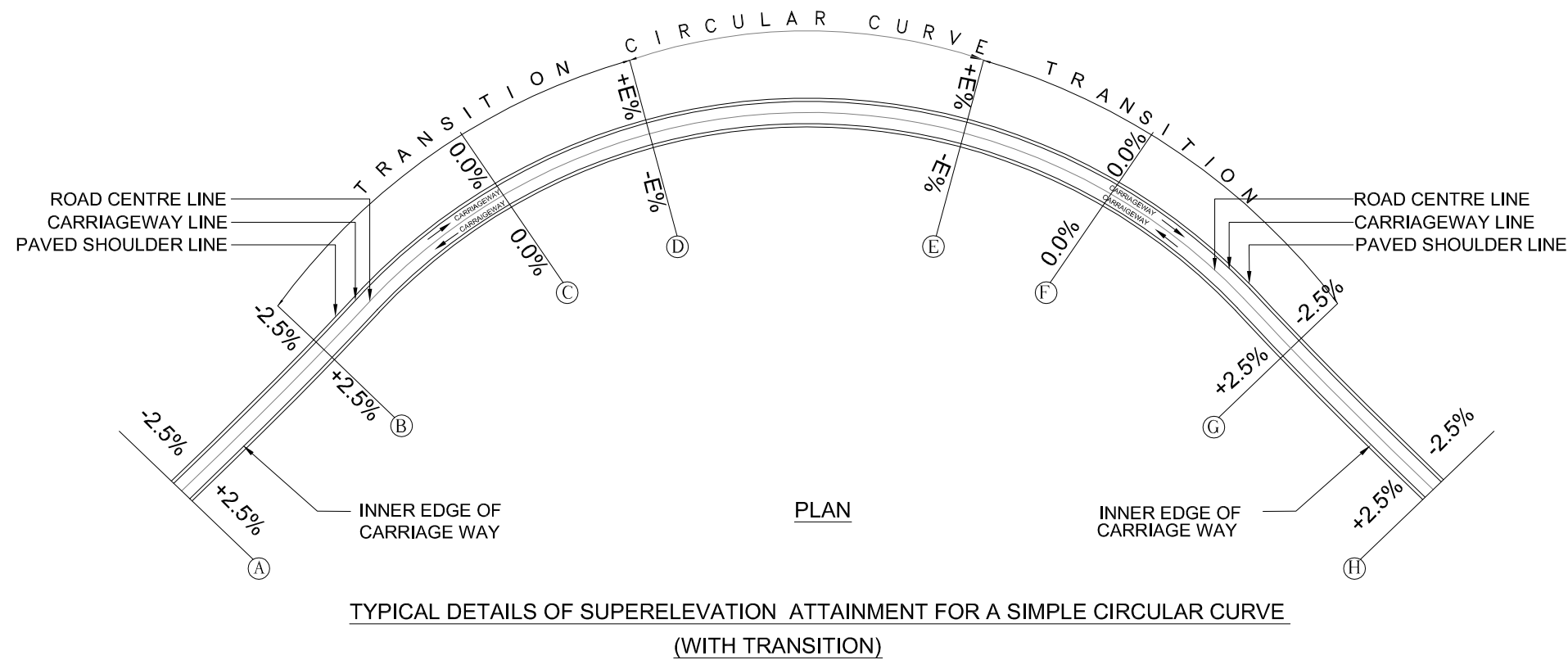
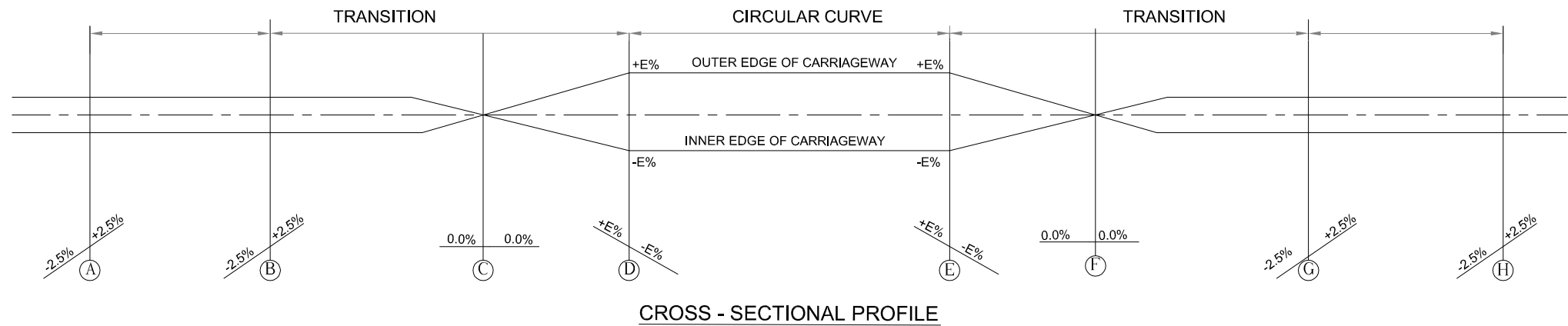




FINISHED ROAD LEVEL. ALONG THE PROPOSED CL.	35.604	36.178	36.688	37.128	37.498	37.799	38.030	38.191	38.282
EXISTING GROUND LEVEL ALONG THE PROPOSED CL.	40.121	40.195	39.125	37.891	36.660	36.042	37.465	35.934	34.936
HORIZONTAL ALIGNMENT									
VERTICAL ALIGNMENT									
SUPERELEVATION (e %)									
CHAINAGE (KM)	29+000	29+025	29+050	29+075	29+100	29+125	29+150	29+175	29+200

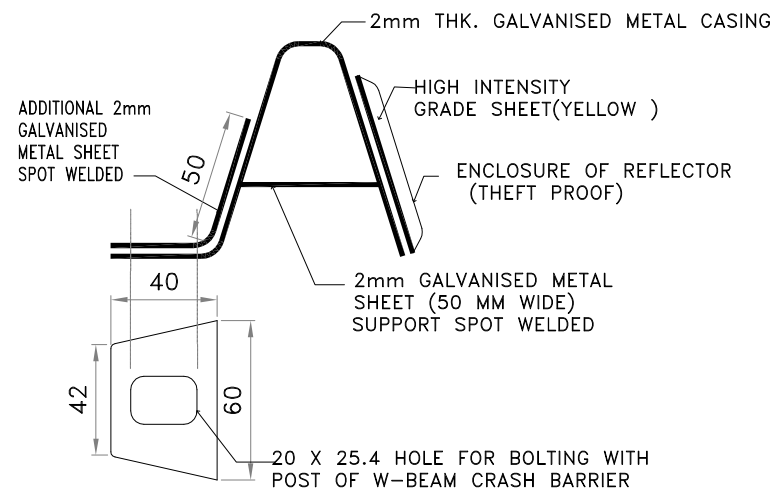
R2	Dec 2017	Introducing Innovative Pavement			SCALE: HOR - 1:2000 VER - 1:200	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	PLAN & PROFILE Km 29+000 to Km 29+200	CONSULTANT : CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	Dwg. No. CET/2015/3580/NH-208/FDPR/PP			
R1	June 2017	Package Wise Division with Conventional Pavement								Revision Mkd. - R3		Sheet No. - 09 of 09	
R0	Jan 2017	Total Project Road with Conventional Pavement								Drawn By.	Design By.	Checked By.	Approved By.
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: Nov, 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:-I (Km 21+100 to Km 29+200)			M.Acharya	S.Dey	S.Sadhu	B.Koner
REVISIONS													

MISCELLANEOUS DRAWING

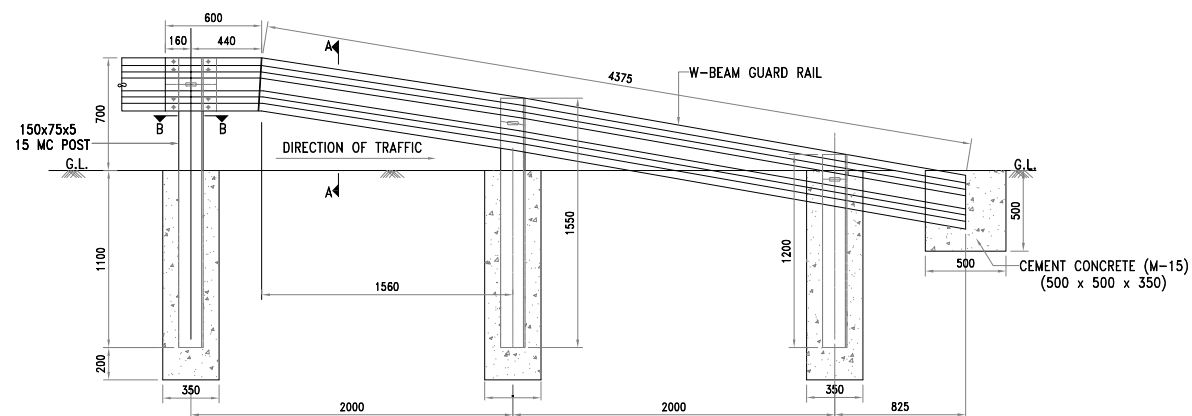


NOTE :-
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.

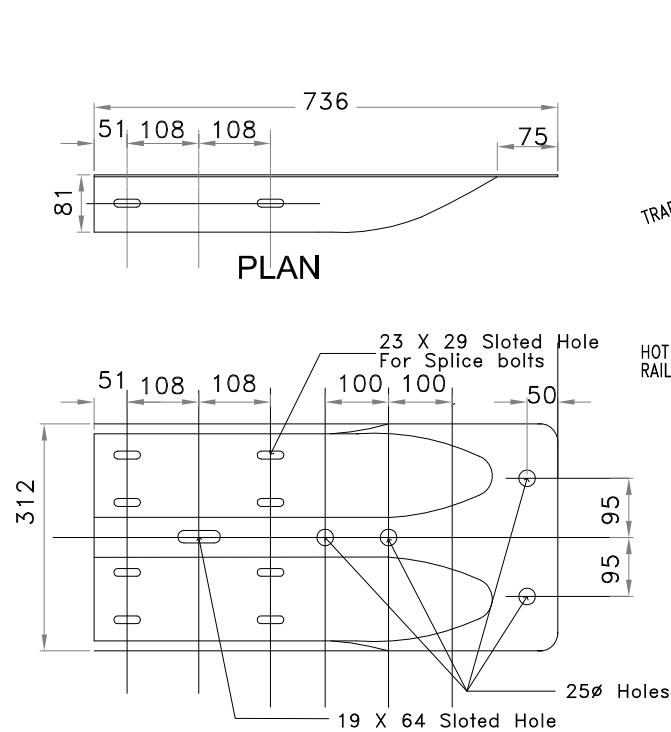
R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	DETAILS OF CURVE COMPONENT	CONSULTANT : CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC				
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:-I (Km 21+100 to Km 29+200)					
REVISIONS											M.Acharya	S.Dey	S.Sadhu	B.Koner



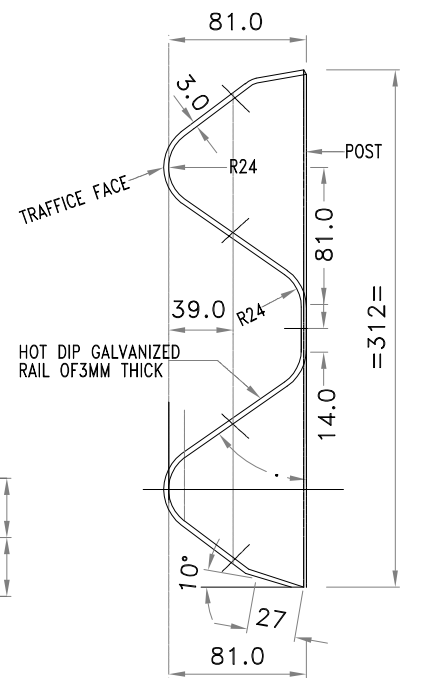
GUARD RAIL REFLECTOR



ELEVATION SHOWING SINGLE SIDED GAURD RAIL SYSTEM - END SIDE ARRANGEMENT



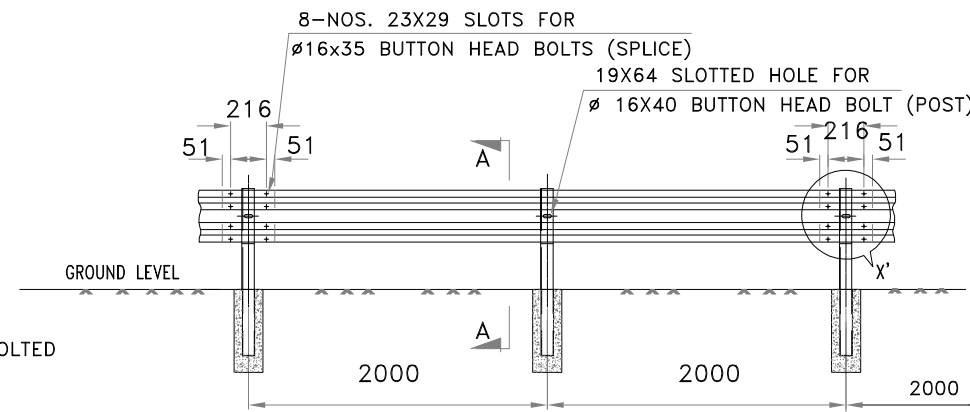
ELEVATION OF W BEAM END SECTION (FLARED)



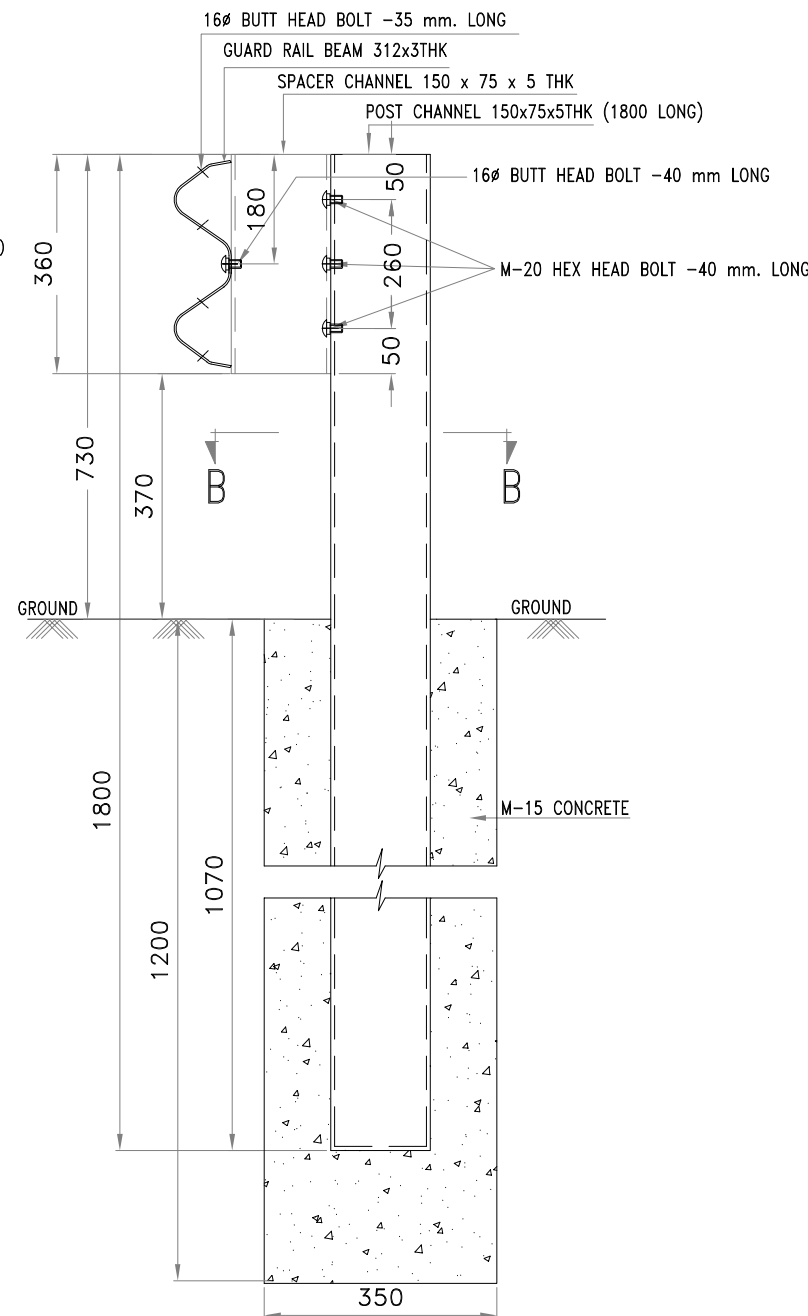
TYPICAL CROSS SECTION OF W-BEAM

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

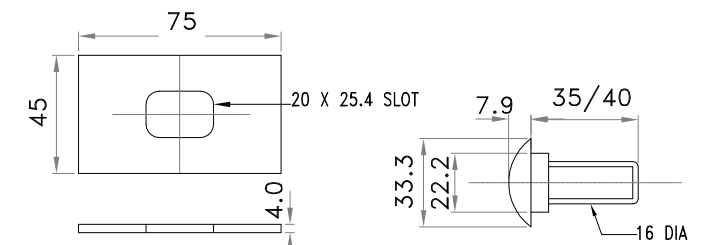
GUARD RAIL REFLECTOR WILL BE BOLTED REPLACING SPLICE WASHER EVERY 10 POSTS INTERVAL



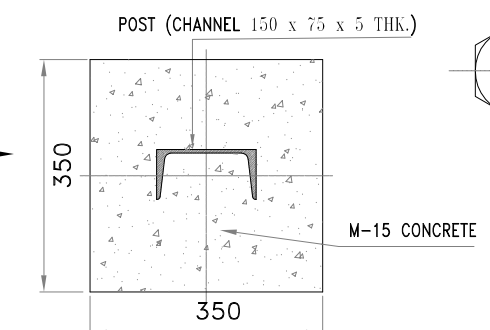
ELEVATION OF SINGLE SIDED GUARD RAIL



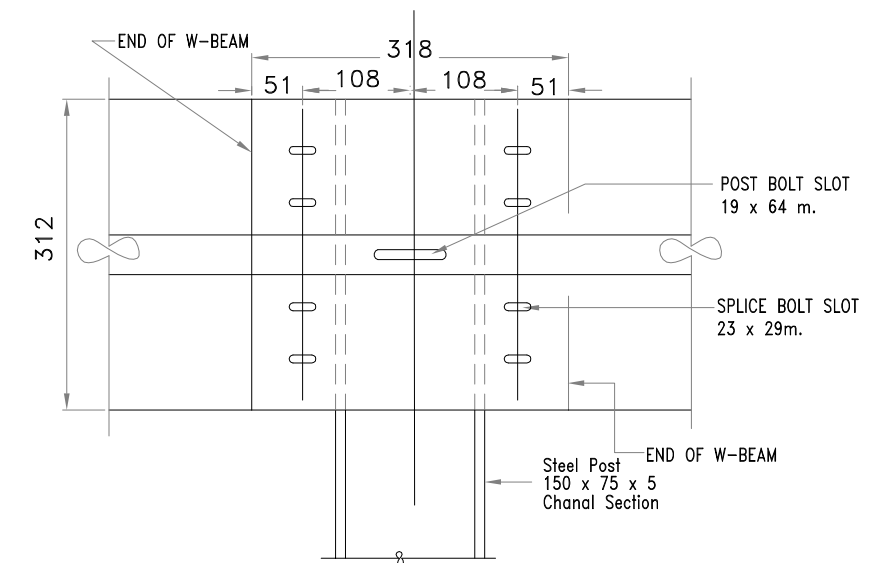
CROSS SECTION A-A



SPLICE WASHER



SECTION 'B-B'

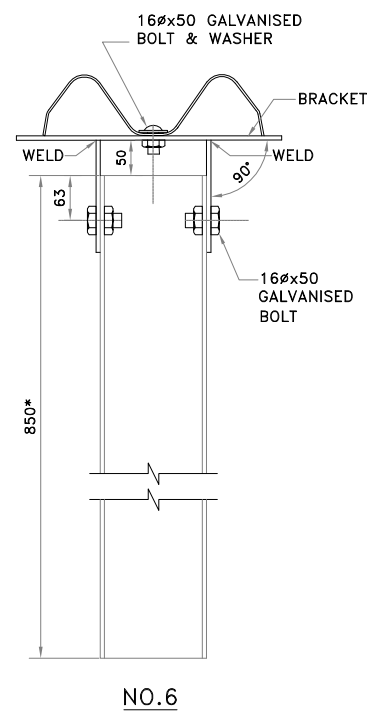
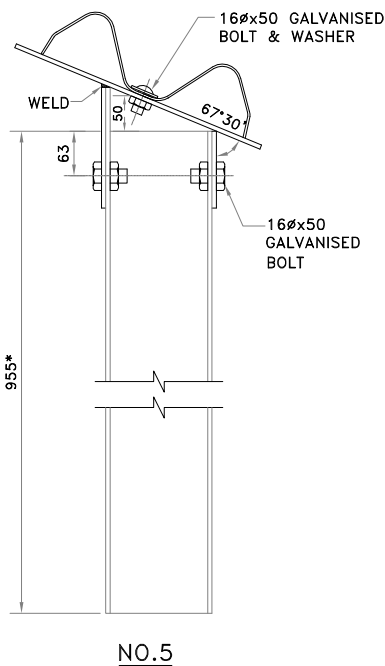
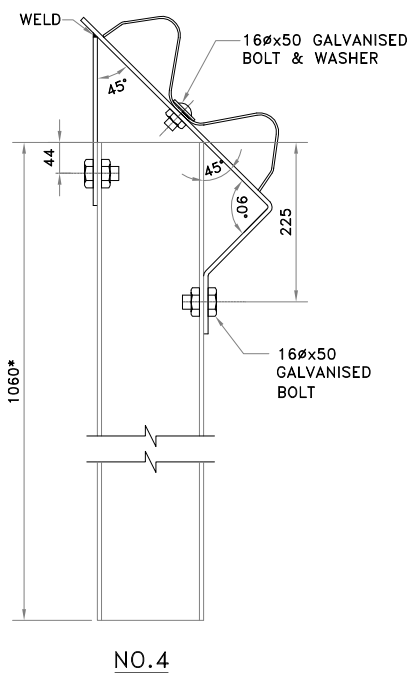
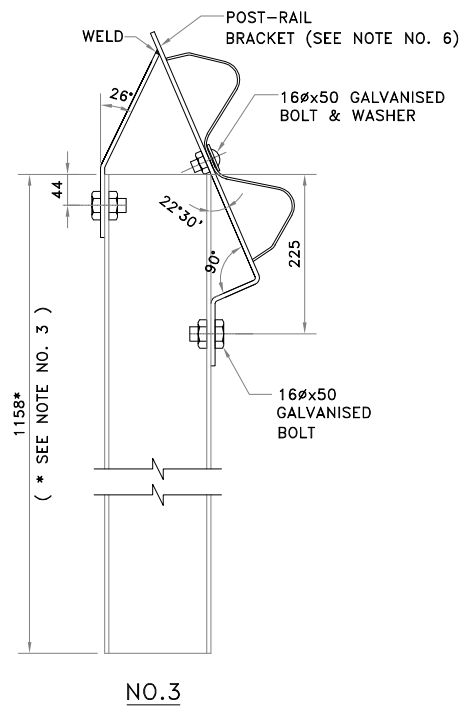
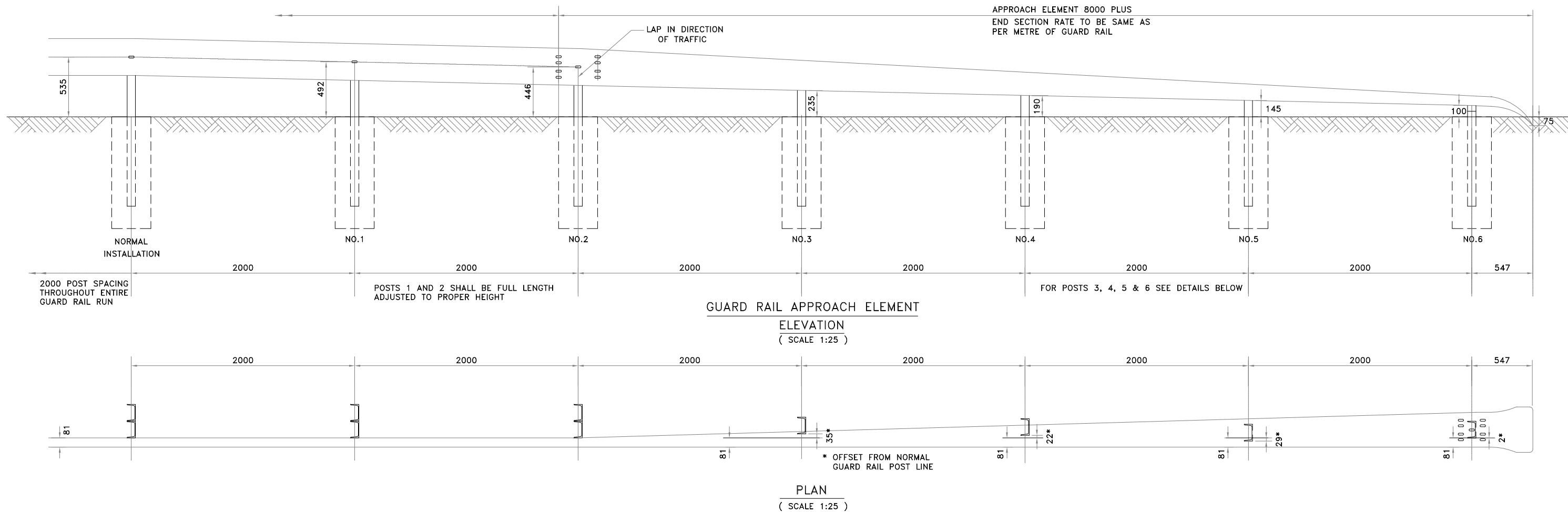


DETAILS OF 'X'

NOTES :

- ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
- ALL PUNCHING DIMENSIONS UNLESS OTHERWISE STATED = ±1mm.
- 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:-
a) HEIGHT OF THE EMBANKMENT IS MORE THAN 3M
b) 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.

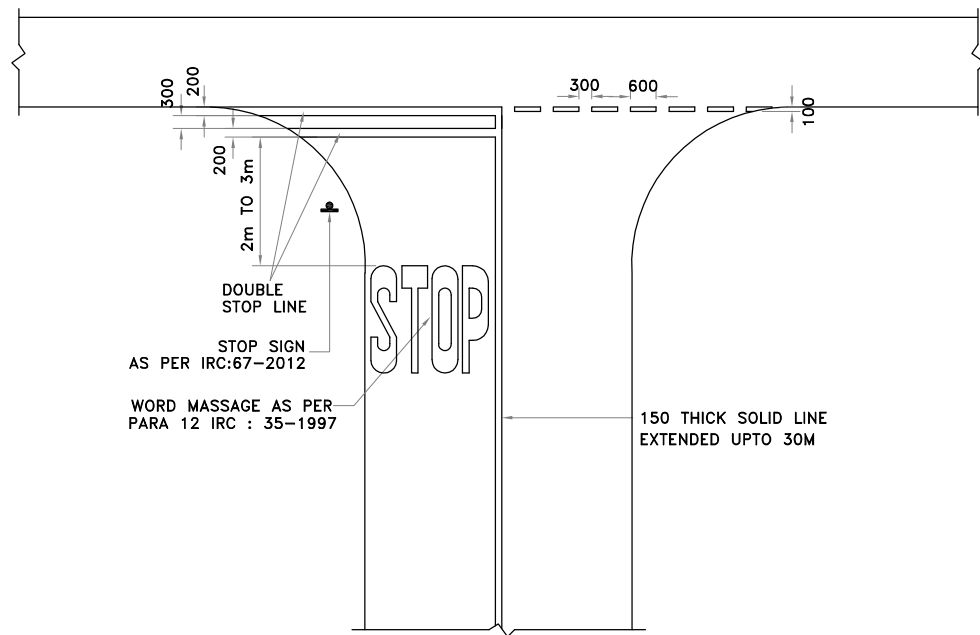
R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	DETAILS OF W-BEAM METAL CRASH BARRIER	CONSULTANT : CE TESTING COMPANY PVT. LTD.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC
R1	June 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:-I (Km 21+100 to Km 29+200)	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



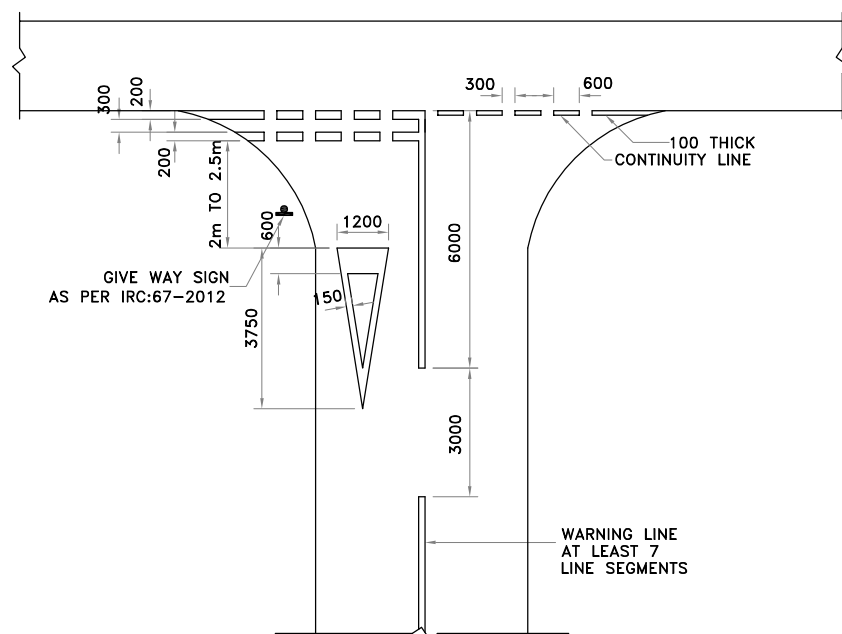
- NOTES :
1. THE APPROACH ELEMENT SHALL BE TWISTED TO HORIZONTAL AND SECURED TO THE POSTS, AS SHOWN, WITH THE END SECTION TIP BURIED.
 2. PLACE DELINEATOR POST ADJACENT TO THE BEGINNING OF THE APPROACH ELEMENT.
 3. THE HEIGHT OF POST NOS. 3,4,5 & 6. IS INDICATIVE ONLY. THIS SHALL BE ADJUSTED TO PRODUCE 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 1:7.5)

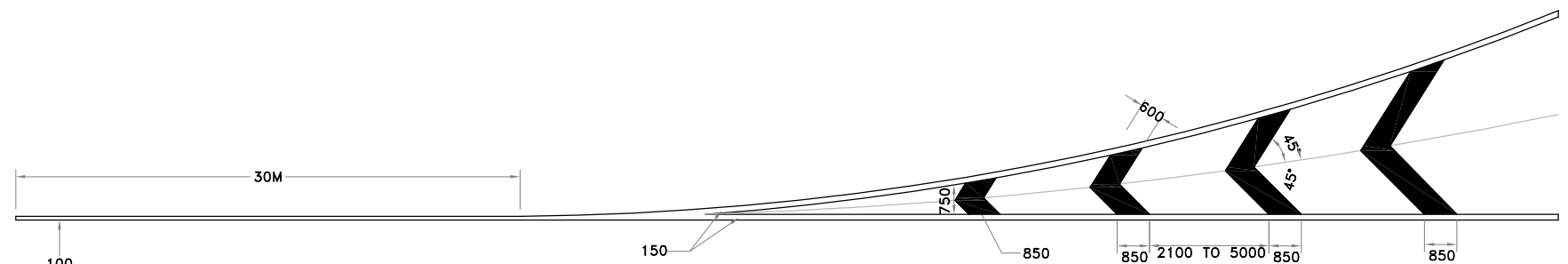
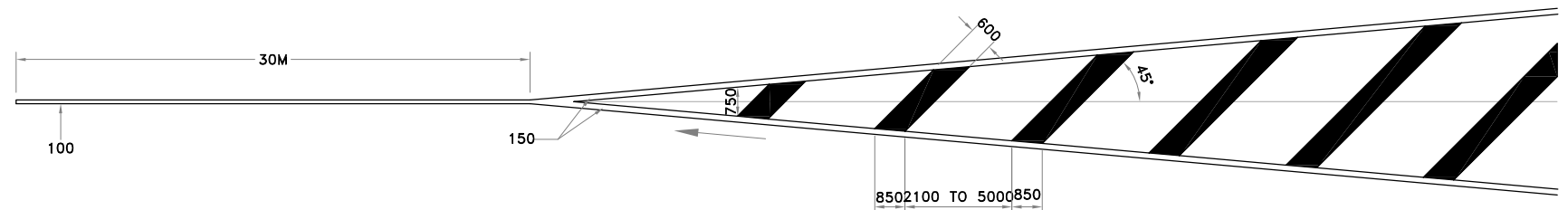
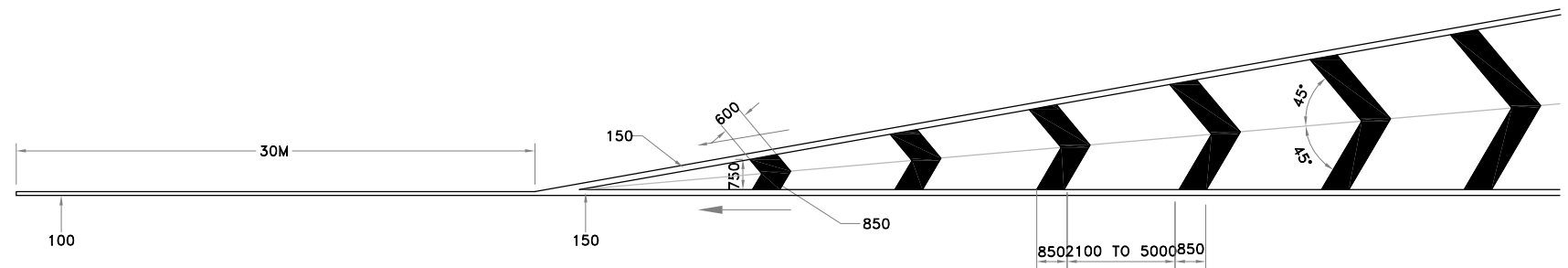
R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	DETAILS OF W-BEAM METAL CRASH BARRIER	CONSULTANT : CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC			
R1	June 2017	Package Wise Division with Conventional Pavement								Revision Mkd. - R3		Sheet No. - 02B	
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:-I (Km 21+100 to Km 29+200)				
REVISIONS										M.Acharya	S.Dey	S.Sadhu	B.Koner



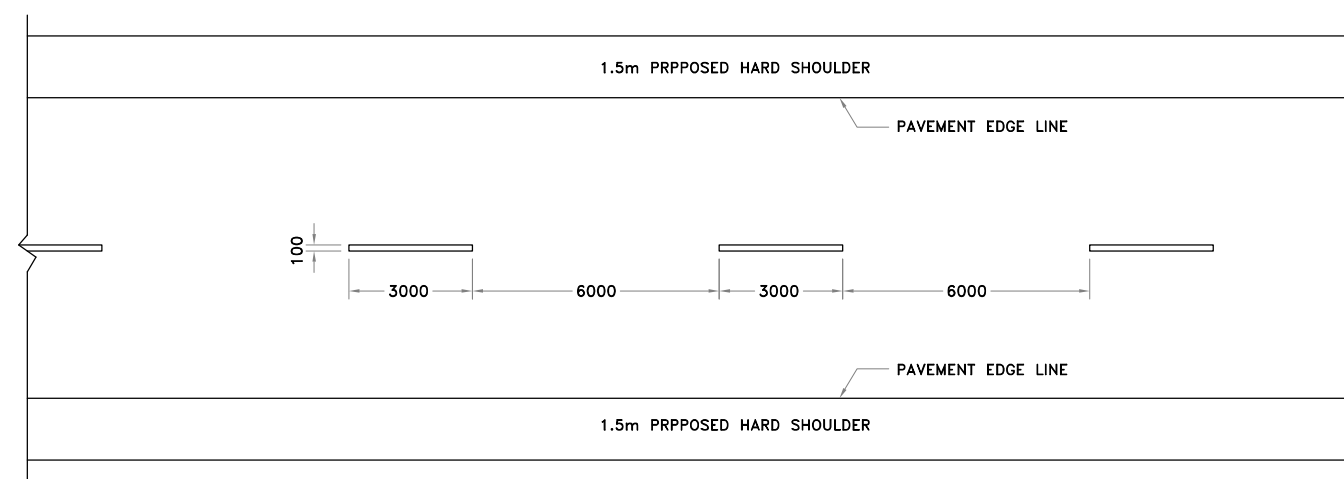
STOP LINES



GIVEWAY LINES



DETAILS OF DIAGONAL AND CHEVRON MARINGS



CENTERLINE MARKING FOR A TWO LANE ROAD WITH EARTHEN SHOULDER

NOTE:

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

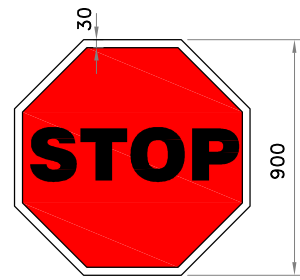
R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	PAVEMENT MARKING	CONSULTANT : CETEST Engineering Consultants	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC
R1	June 2017	Package Wise 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. - 03A
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:-I (Km 21+100 to Km 29+200)		Drawn By. M.Acharya
REVISIONS										Design By. S.Dey
										Checked By. S.Sadhu
										Approved By. B.Koner



SCALE=1:60

SCALE=1:80

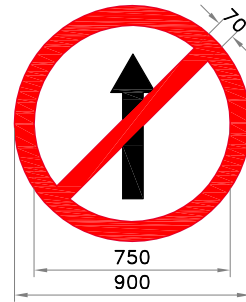
R2	Dec 2017	Introducing Innovative Pavement			SCALE: AS SHOWN	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	PAVEMENT MARKING	CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC			
R1	June 2017	Package Wise Division with Conventional Pavement								Revision Mkd. - R3		Sheet No. - 03B	
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:-I (Km 21+100 to Km 29+200)		Drawn By.	Design By.	Checked By.	Approved By
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.						M.Acharya	S.Dey	S.Sadhu	B.Koner
REVISIONS													



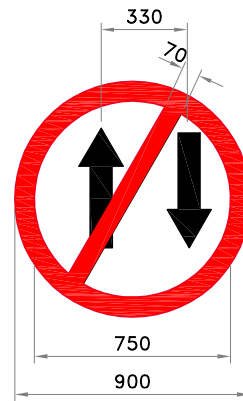
MS - 1
STOP SIGNAL



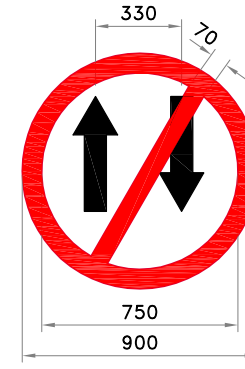
MS - 2
GIVE WAY SIGN



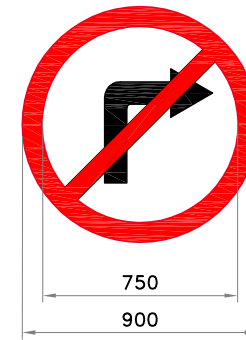
MS - 3
NO ENTRY



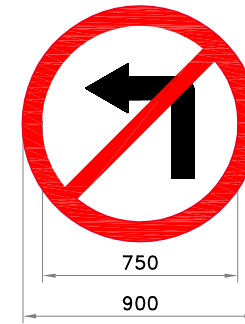
MS - 4
ONE WAY SIGNS



MS - 5



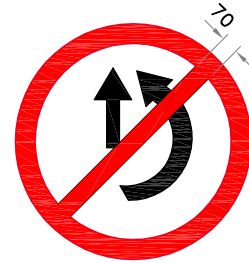
MS - 6
RIGHT TURN PROHIBITED



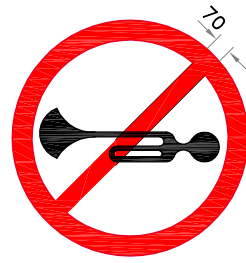
MS - 7
LEFT TURN PROHIBITED



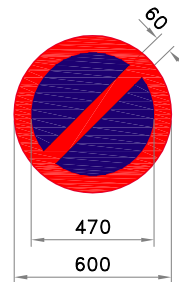
MS - 8
U - TURN PROHIBITED



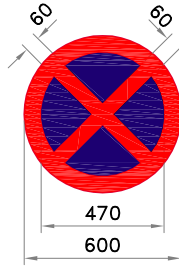
MS - 9
OVERTAKING PROHIBITED



MS - 10
HORN PROHIBITED



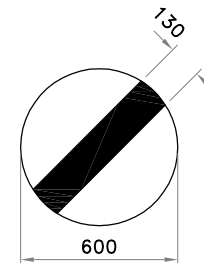
MS - 11
NO PARKING



MS - 12
NO STOPPING
OR STANDING



MS - 13
SPEED LIMIT



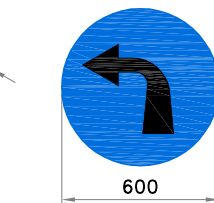
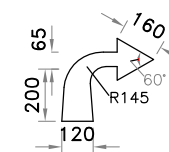
MS - 14
RESTRICTION END



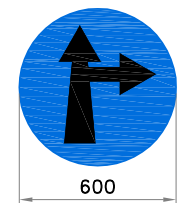
MS - 15
COMPULSORY
KEEP LEFT



MS - 16
COMPULSORY TURN
RIGHT AHEAD



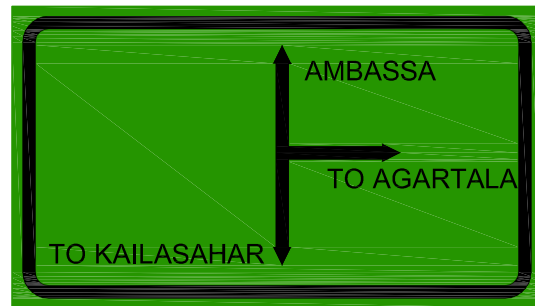
MS - 16
COMPULSORY TURN
LEFT AHEAD



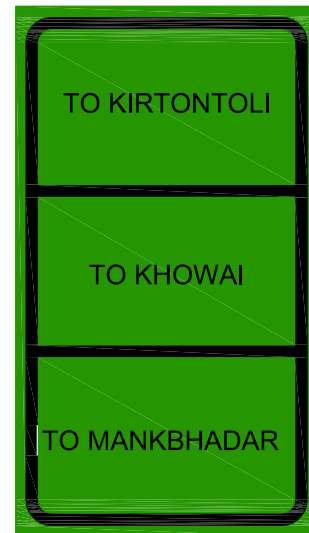
MS - 17
COMPULSORY AHEAD
OR TURN RIGHT



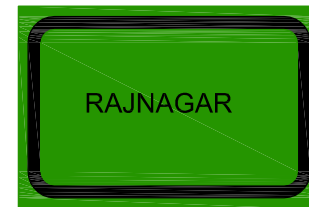
MS - 19
COMPULSORY AHEAD
OR TURN LEFT



IS - 1
ADVANCE DIRECTION SIGN



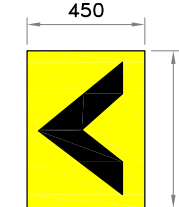
IS - 2
REASSURANCE SIGN



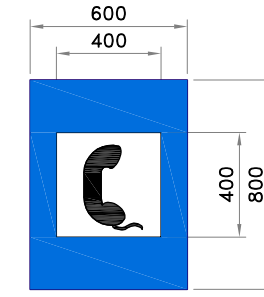
IS - 3
PLACE IDENTIFICATION SIGN



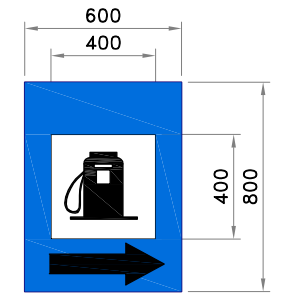
IS - 4
PLACE IDENTIFICATION SIGN



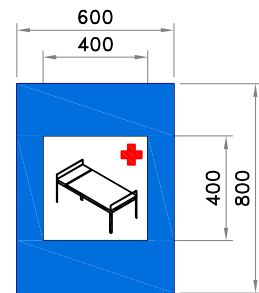
CHEVRON SIGN



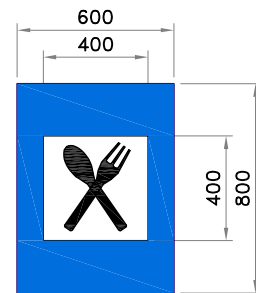
IS - 5
PUBLIC TELEPHONE



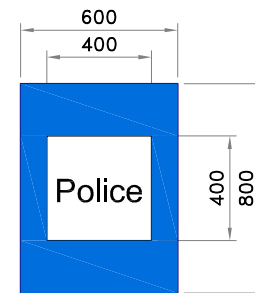
IS - 6
FILLING STATION



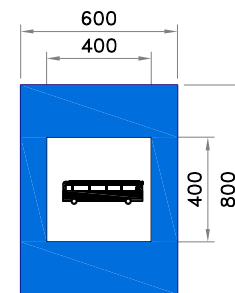
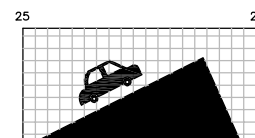
IS - 7
HOSPITAL



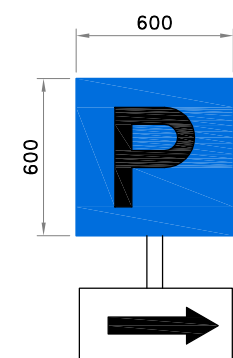
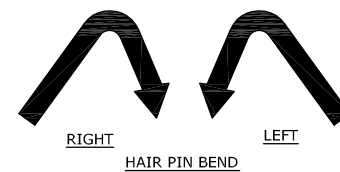
IS - 8
EATING PLACE



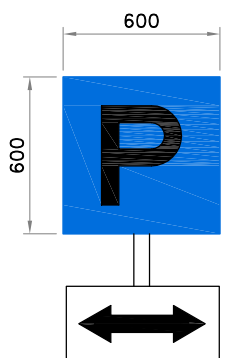
IS - 9
POLICE STATION



IS - 11
BUS STOP



IS - 12
PARKING THIS SIDE

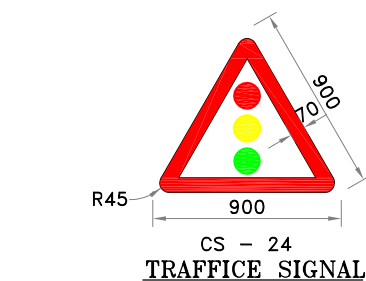
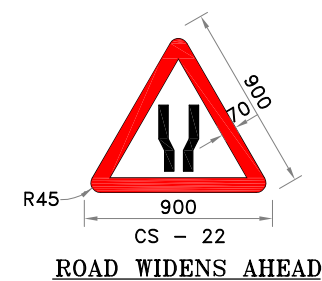
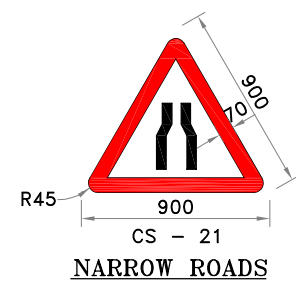
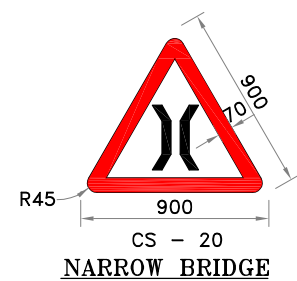
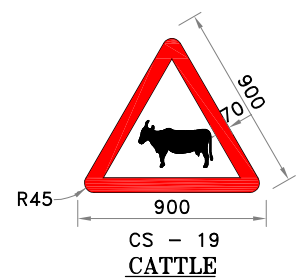
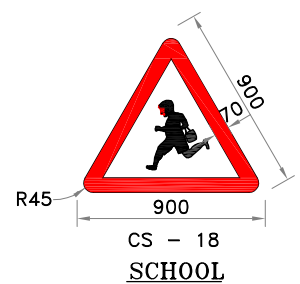
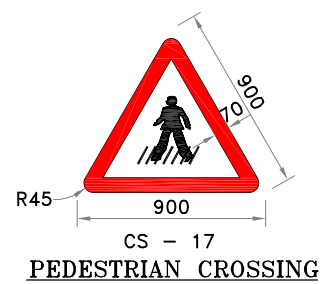
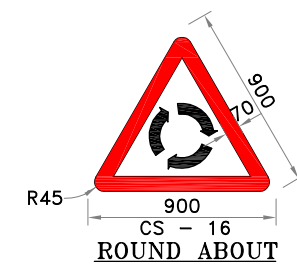
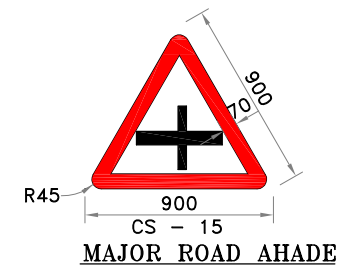
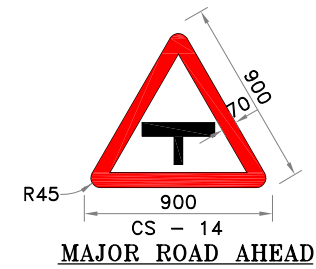
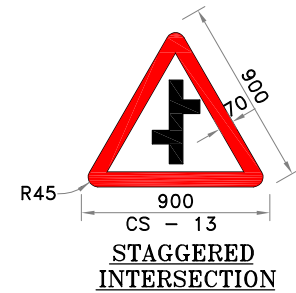
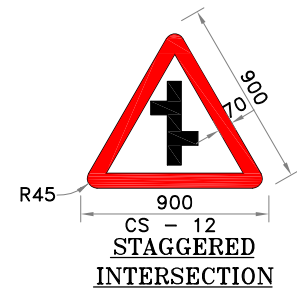
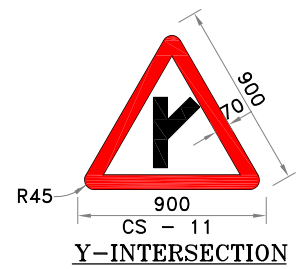
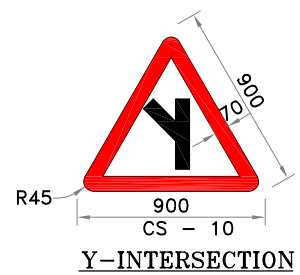
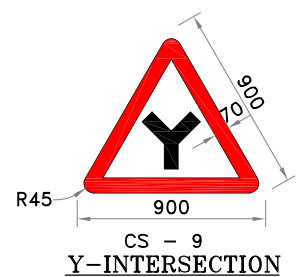
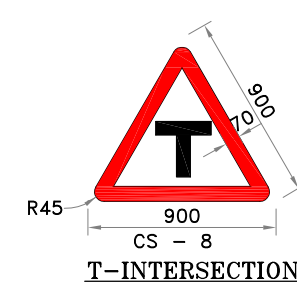
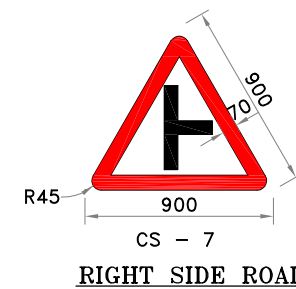
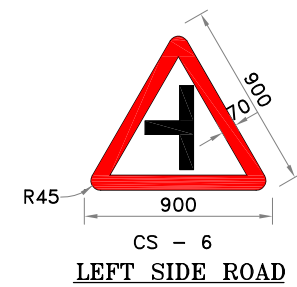
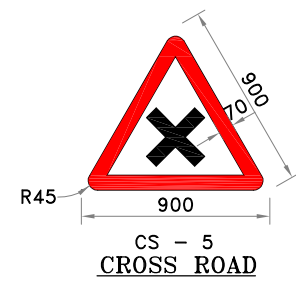
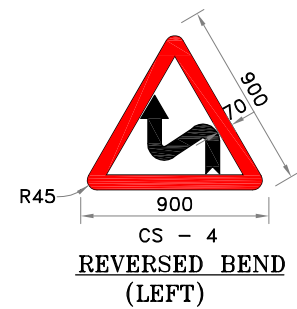
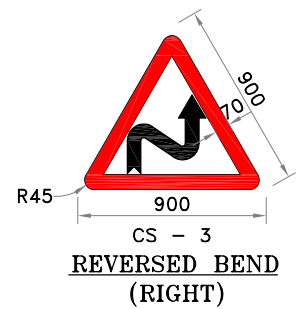
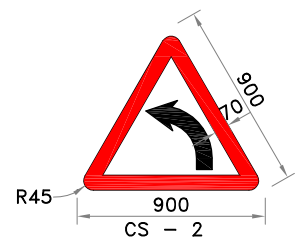
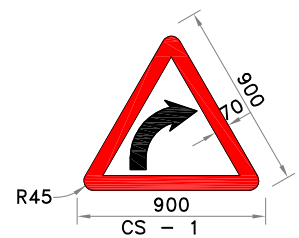


IS - 13
PARKING BOTH SIDE

NOTE:

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

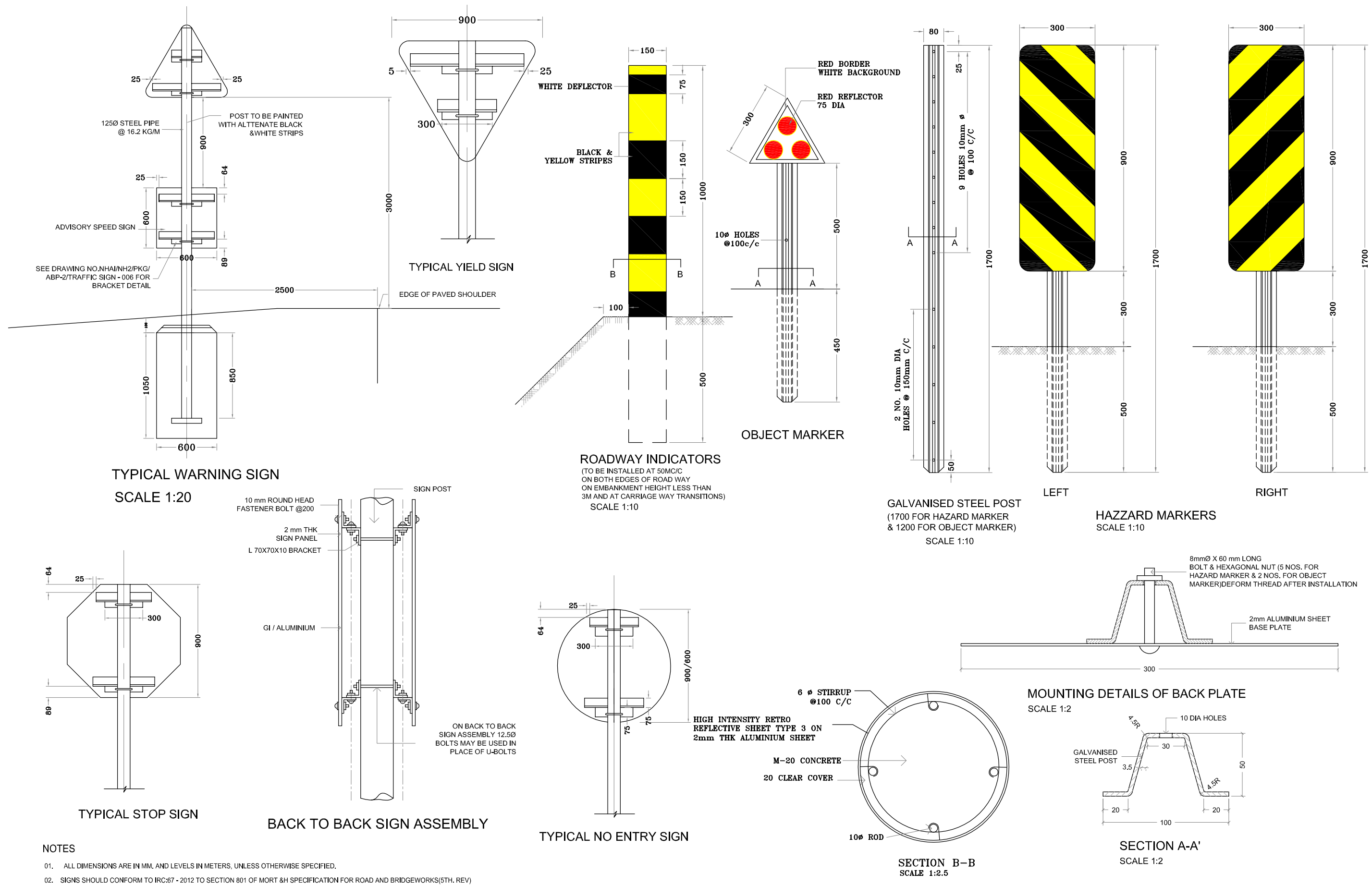
R2	Dec 2017	Introducing Innovative Pavement			SCALE: N.T.S	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	TYPICAL DETAILS OF ROAD SIGNS	CONSULTANT : CETEST Engineering Consultants	Dwg. No. CET/2015/3580/NH-208/FDPR/MISC
R1	June 2017	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-I (Km 21+100 to Km 29+200)			Drawn By.
REVISIONS										Design By.
										Checked By.
										Approved By.
										M.Acharya
										S.Dey
										S.Sadhu
										B.Koner



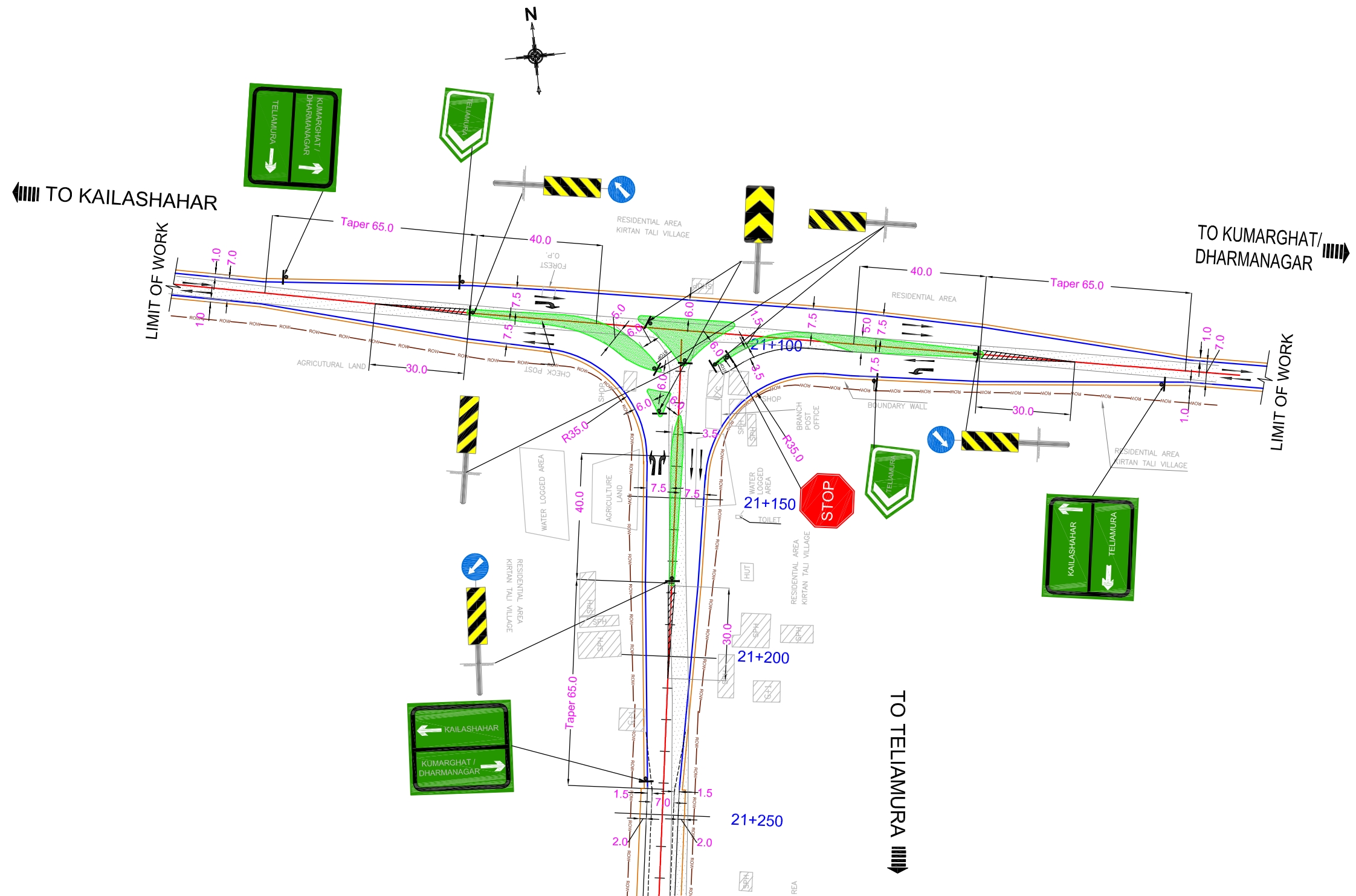
NOTE:

1. ALL DIMENSION ARE IN MM UNLESS OTHERWISE SPECIFIDE
2. 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 : 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. - 04B	
R0	Jan 2017	Total Project Road with Conventional Pavement								Drawn By.	Design By.	Checked By.	Approved By.
MRD.	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-I (Km 21+100 to Km 29+200)			M.Acharya	S.Dey	S.Sadhu	B.Koner
REVISIONS													



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:-I (Km 21+100 to Km 29+200)		M.Acharya	S.Dey	S.Sadhu	B.Koner
REVISIONS													



R2	Dec 2017	Introducing Innovative Pavement			SCALE: 1:1000	CLIENT: Public Works Department Government of Tripura	National Highways & Infrastructure Development Corporation Ltd.	MAJOR INTERSECTION AT KM 21+100	CONSULTANT : CETEST CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	Dwg. No. CET/2015/3580/NH-208/FDPR/MJ
R1	June 2017	Package Wise Division with Conventional Pavement								Revision Mkd. - R3
R0	Jan 2017	Total Project Road with Conventional Pavement								Sheet No. - 01 of 06
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE: Nov, 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-I (Km 21+100 to Km 29+200)			Drawn By. Design By. Checked By. Approved By.
REVISIONS										R.Gupta S.Dey S.Sadhu B.Koner

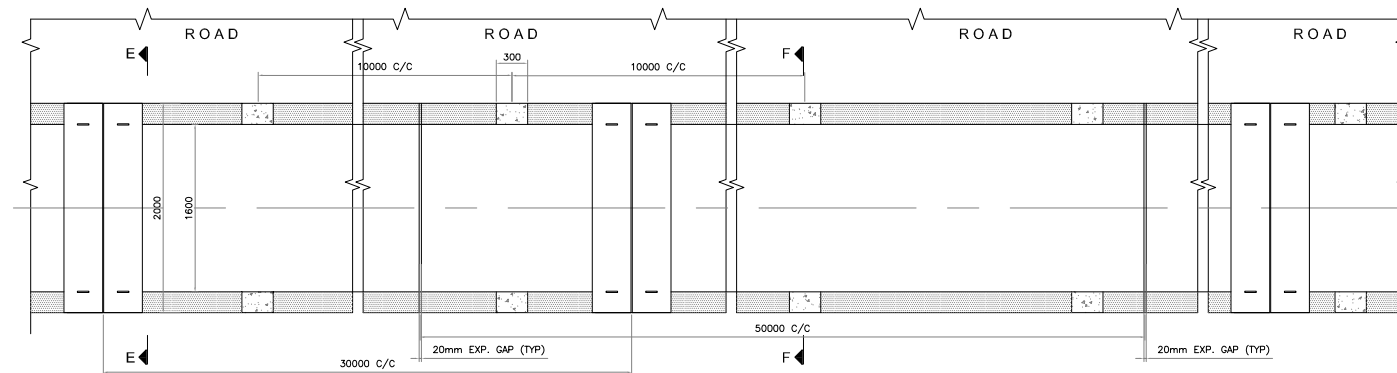
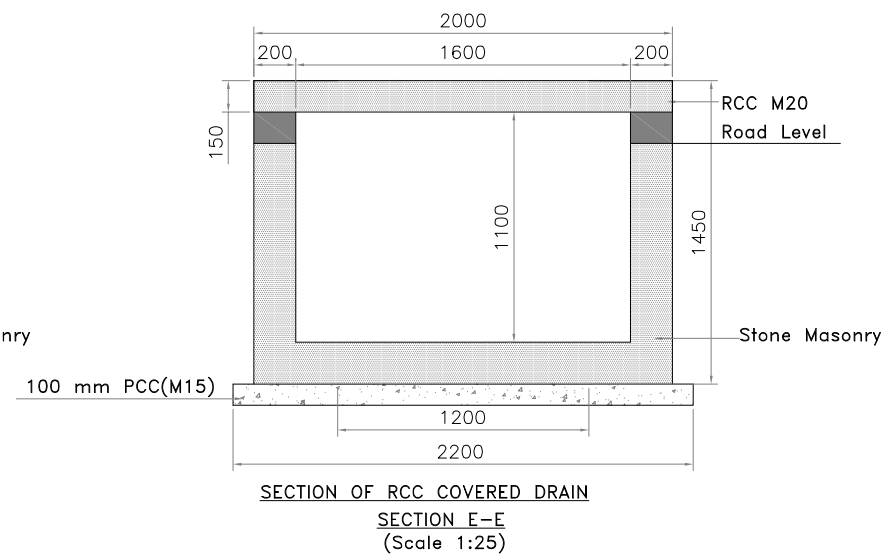


Typical Layout of Bus-Bay

SL.NO	CHAINAGE(KM)	SIDE
1.	21+850	Both
2.	27+400	Both

1. ALL DIMENSIONS ARE IN Meter, UNLESS OTHERWISE MENTIONED.
2. THIS DRAWING REFER TO IRC SP-73,2015.

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 BUS BAY	CONSULTANT : CETEST Engineering Consultants AN ISO 9001, 14001 & CERTAS 18001 Certified Company 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. - 06			
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						
REVISIONS								Package:-I (Km 21+100 to Km 29+200)			M.Acharya	S.Dey	S.Sadhu	B.Koner



2000

370

200

D

E

3-12 Φ

10 Φ @125 c/c

SECTIONAL PLAN OF PRECAST SLAB
(Scale 1:10)

