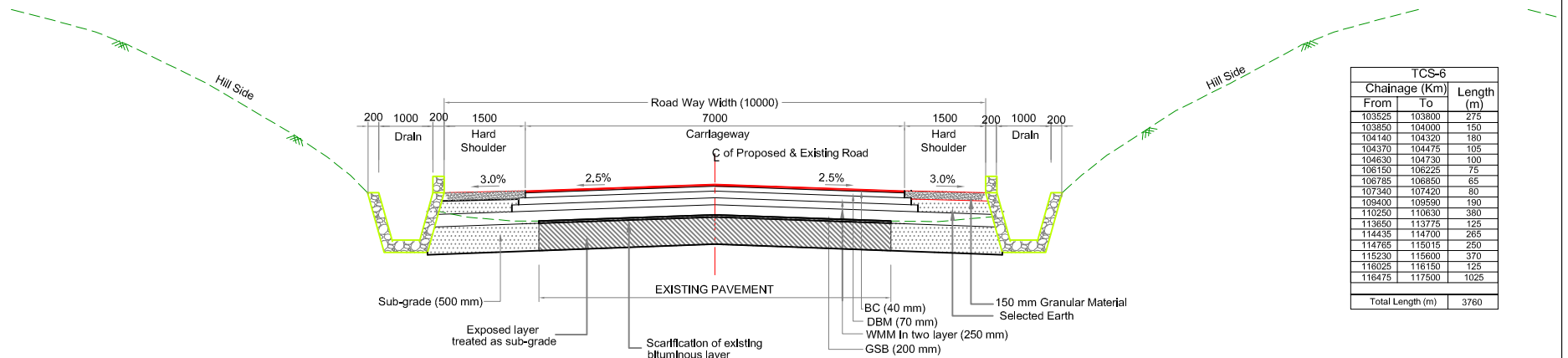









TCS-1		
Chainage (Km)	From	To
	108200	109350
Length (m)	1150	
Total Length (m)	1150	

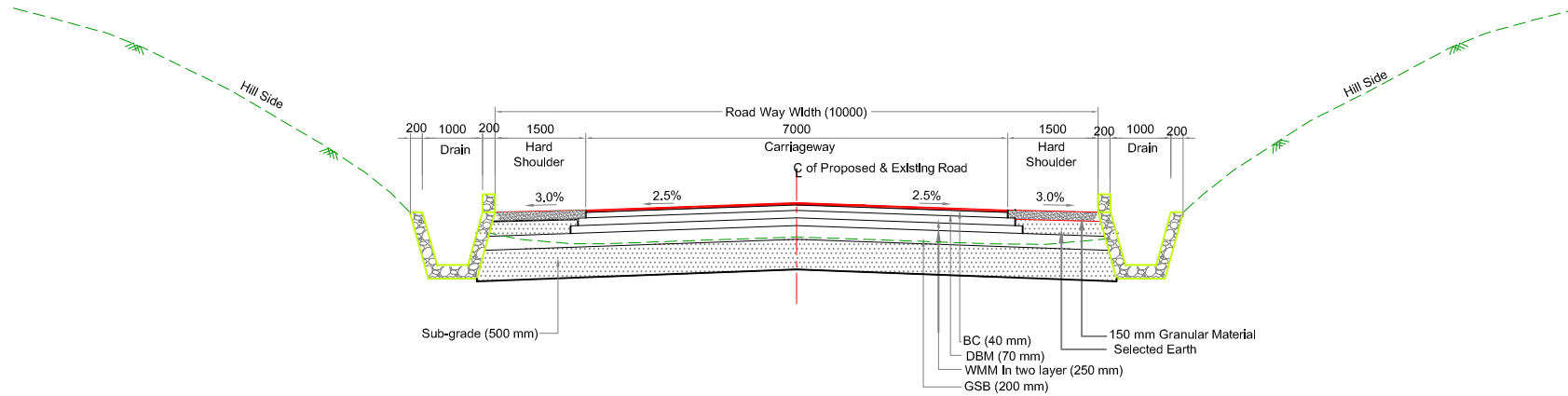
TCS-1 :- TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN BUILT UP AREA WITH BOTH SIDE FOOTPATH CUM RCC RECTANGULAR DRAIN (RECONSTRUCTION OF EXISTING PAVEMENT)



TCS-6		
Chainage (Km)	From	To
	103525	103800
	103850	104000
	104140	104320
	104370	104475
	104630	104730
	106150	106225
	106785	106850
	107340	107420
	109400	109590
	110250	110630
	113650	113775
	114435	114700
	114765	115015
	115230	115600
	116025	116150
	116475	117500
Total Length (m)	3760	

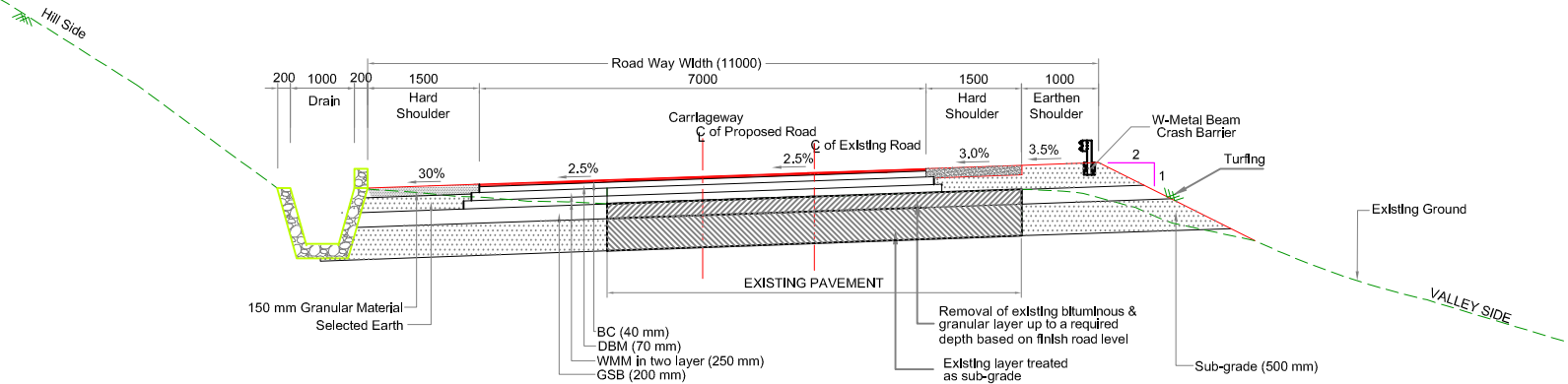
TCS-6 :- TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH BOTH SIDE OPEN TRAPEZOIDAL DRAIN ON HILL SECTION (RECONSTRUCTION OF EXISTING PAVEMENT)

					Scale :- 1 : 75		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building, 3rd Floor, 4 Parliament Street, New Delhi - 110001	TYPICAL CROSS SECTION		CONSULTANT :  CETEST ENGINEERING CONSULTANTS 124-A, N.S.C. Bose Road, Kolkata - 700092	DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIC/TCS REVISION MKD. - R0				SHEET NO. - 01					
					DATE: APRIL, 2020		PROJECT: CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES IN RESPECT OF 2 LANE OF CHURACHANDPUR - TUIVAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR) ON ENGINEERING PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR (PKG-NHIDCL/DPR/CT-U-TP/Manipur/2017)	SUBMISSION TYPE : FINAL DETAILED PROJECT REPORT		124-A, N.S.C. Bose Road, Kolkata - 700092		DRAWN BY		DESIGNED BY		CHECKED BY		ISSUED BY		
																				



TCS-6A		
Chainage (Km)	From	To
117500	117500	117900
118275	118275	118670
119475	119475	119540
119920	119920	120225
120450	120450	120600
121475	121475	121620
Total Length (m)		1460

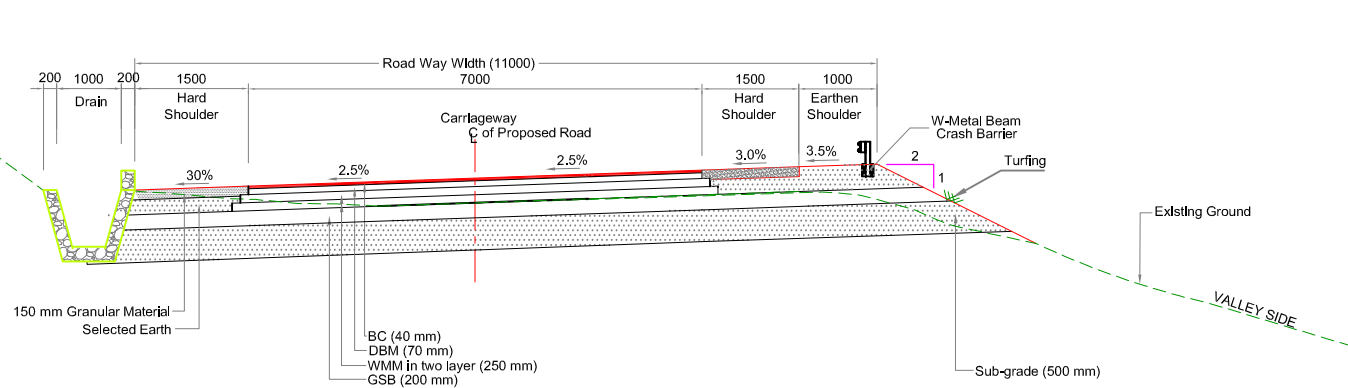
TCS-6A : TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH BOTH SIDE OPEN TRAPEZOIDAL DRAIN ON HILL SECTION
(NEW CONSTRUCTION)



TCS-7		
Chainage (Km)	From	To
104475	104475	104630
105900	105900	105950
106300	106300	106430
106500	106500	106565
106850	106850	107250
107290	107290	107340
107420	107420	108200
108625	108625	108720
108850	108850	110250
110630	110630	110750
110800	110800	111050
111100	111100	111440
111580	111580	111670
111720	111720	111740
111900	111900	112025
112110	112110	112150
112425	112425	112575
112630	112630	112690
112975	112975	113050
113185	113185	113340
113370	113370	113420
113440	113440	113575
114175	114175	114260
115680	115680	116025
116150	116150	116475
Total Length (m)		4490

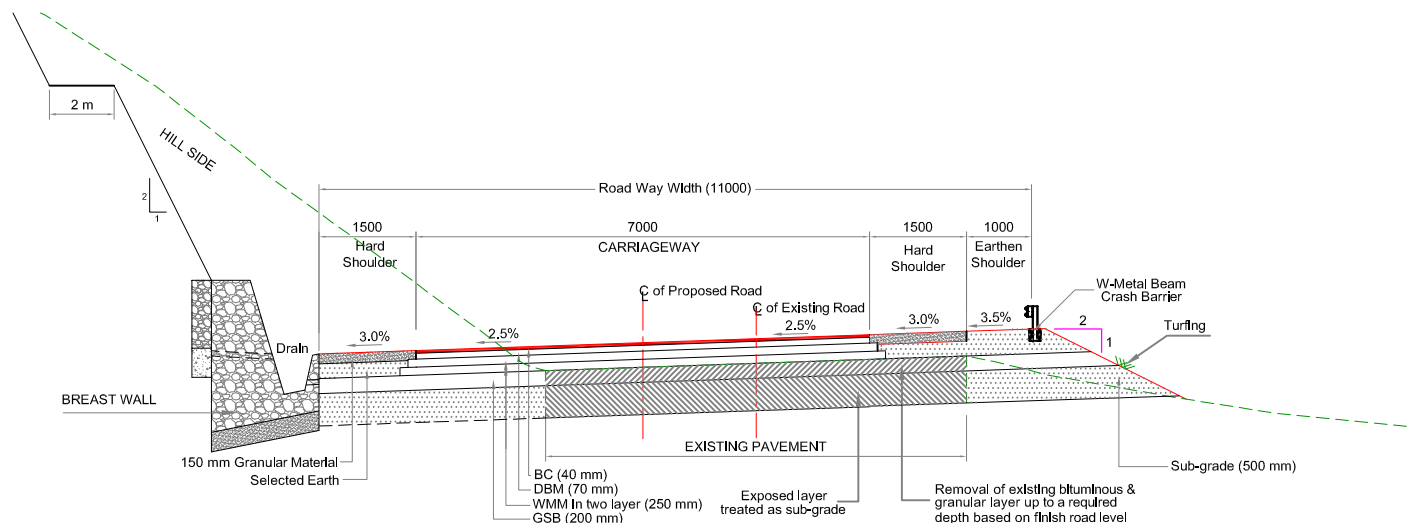
TCS-7 : TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH OPEN TRAPEZOIDAL DRAIN ON HILL SIDE AND EARTHEN SHOULDER ON VALLEY SIDE
(RECONSTRUCTION OF EXISTING PAVEMENT)

					Scale :- 1 : 75		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building, 3rd Floor, 4 Parliament Street, New Delhi - 110001		TYPICAL CROSS SECTION		CONSULTANT : CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092		DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIC/TCS	
					DATE: APRIL, 2020		PROJECT: CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES IN RESPECT OF 2 LANE OF CHURACHANDPUR - TUINAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR) ON ENGINEERING PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR		SUBMISSION TYPE: FINAL DETAILED PROJECT REPORT		PACKAGE - IIIC		REVISION MKD. - R0	
							PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR (PKG-NHIDCL/DPR/CT-II-TP/Manipur/2017)						SHEET NO. - 02	
													DRAWN BY: S.MANDAL	
													DESIGNED BY: B.DAS	
													CHECKED BY: S.SADHU	
													ISSUED BY: A.K.DAS	






TCS-7A		
Chainage (Km)	From	To
119275	119360	85
119750	119825	75
119875	119920	45
120725	120820	95
120870	121100	230
121160	121250	90
121300	121370	70
Total Length (m)		690

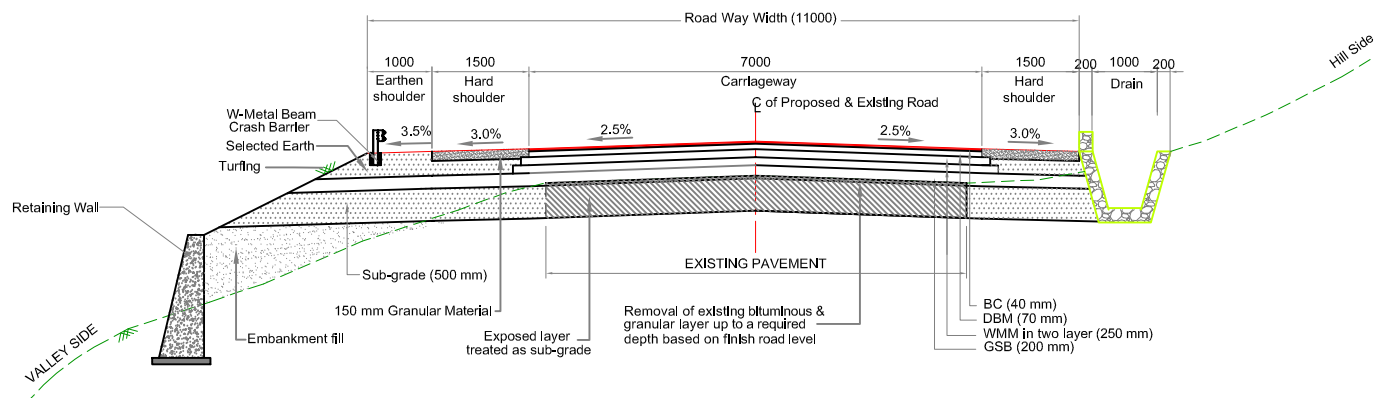
TCS-7A : TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH OPEN TRAPEZOIDAL DRAIN ON HILL SIDE AND EARTHEN SHOULDER ON VALLEY SIDE (NEW CONSTRUCTION)



TCS-8		
Chainage (Km)	From	To
112740	112875	135
Total Length (m)		135

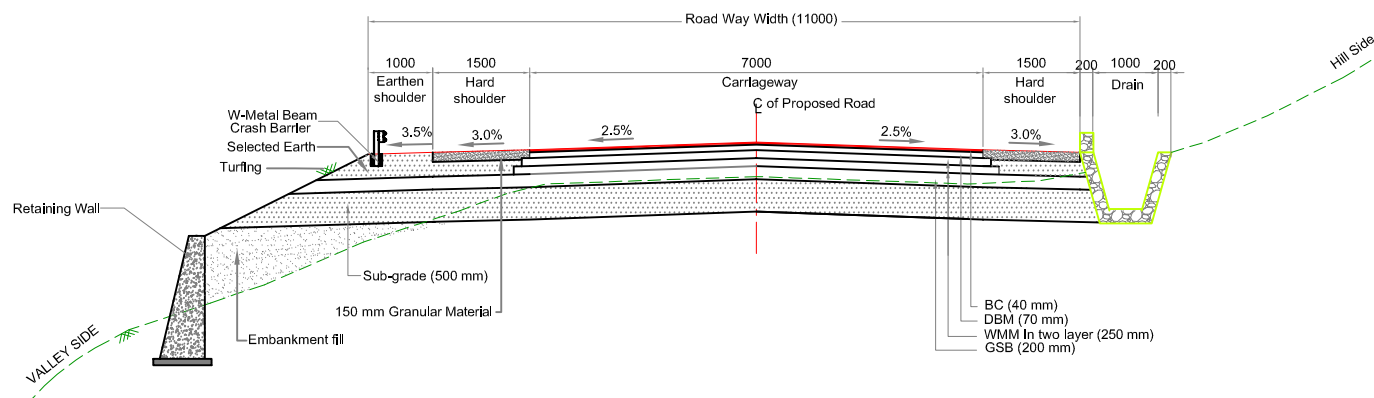
TCS-8 :- TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH BREAST WALL ON HILL SIDE (RECONSTRUCTION OF EXISTING PAVEMENT)

					Scale :- 1: 75		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building, 3rd Floor, 4 Parliament Street, New Delhi - 110001	TYPICAL CROSS SECTION	CONSULTANT :  CETEST Engineering Consultants 124-A, N.S.C. Bose Road Kolkata - 700092		DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-III/C/TCS				
					DATE: APRIL, 2020						REVISION MKD. - R0		SHEET NO. - 03		
					PROJECT: CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES IN RESPECT OF 2 LANE OF CHURACHANDPUR - TUIVAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR) ON ENGINEERING, PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR		SUBMISSION TYPE : FINAL DETAILED PROJECT REPORT	PACKAGE - III C			DRAWN BY	DESIGNED BY	CHECKED BY	ISSUED BY	
					PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR (PKG-NHIDCL/DPR/CT-IJ-TP/Manipur/2017)						S.MANDAL	B.DAS	S.SADHU	A.K.DAS	



TCS-11		
Chainage (Km)		Length (m)
From	To	
104000	104100	100
105125	105200	75
105200	105250	50
105250	105350	100
105450	105525	75
105640	105725	85
105725	105850	125
105850	105900	50
105950	106150	200
106225	106300	75
106430	106500	70
106565	106725	160
107250	107280	40
109590	109625	35
109720	109850	130
110750	110800	50
111050	111100	50
111440	111580	140
111670	111720	50
111740	111900	160
112025	112110	85
112150	112425	275
112575	112630	55
112690	112740	50
112875	112975	100
113050	113090	40
113090	113185	95
113340	113370	30
113420	113440	20
113575	113650	75
113775	114175	400
114260	114435	175
114700	114765	65
115015	115230	215
115600	115680	80
Total Length (m)		3580

TCS-11 :-TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH RETAINING WALL ON VALLEY SIDE AND OPEN TRAPEZOIDAL DRAIN ON HILL SIDE
(RECONSTRUCTION OF EXISTING PAVEMENT)

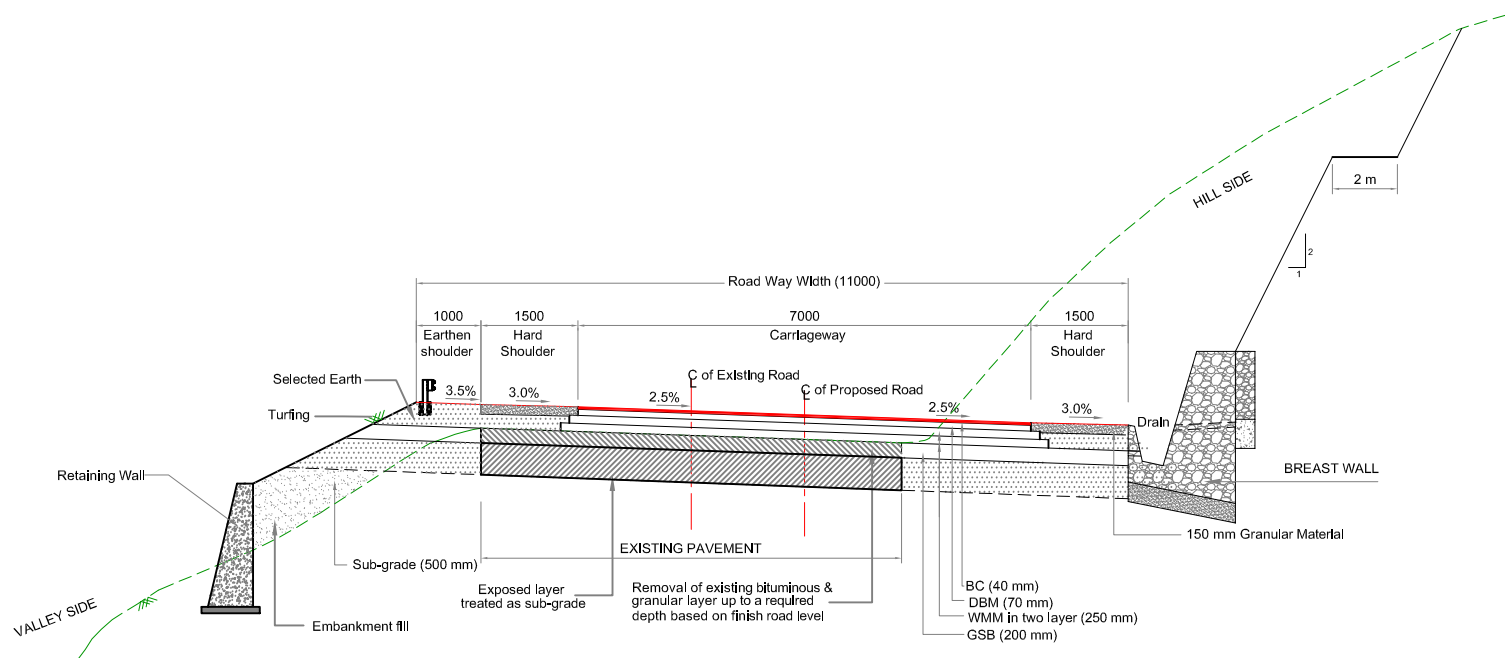


TCS-11A		
Chainage (Km)		Length (m)
From	To	
118020	118080	60
118080	118175	95
118175	118275	100
118670	118700	30
118725	119275	550
119360	119475	115
119540	119750	210
119825	119875	50
120225	120450	225
120600	120725	125
120820	120870	50
121100	121160	60
121250	121300	50
121370	121475	105
121620	121765	145
Total Length (m)		1974

TCS-11A :-TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH RETAINING WALL ON VALLEY SIDE AND OPEN TRAPEZOIDAL DRAIN ON HILL SIDE
(NEW CONSTRUCTION)

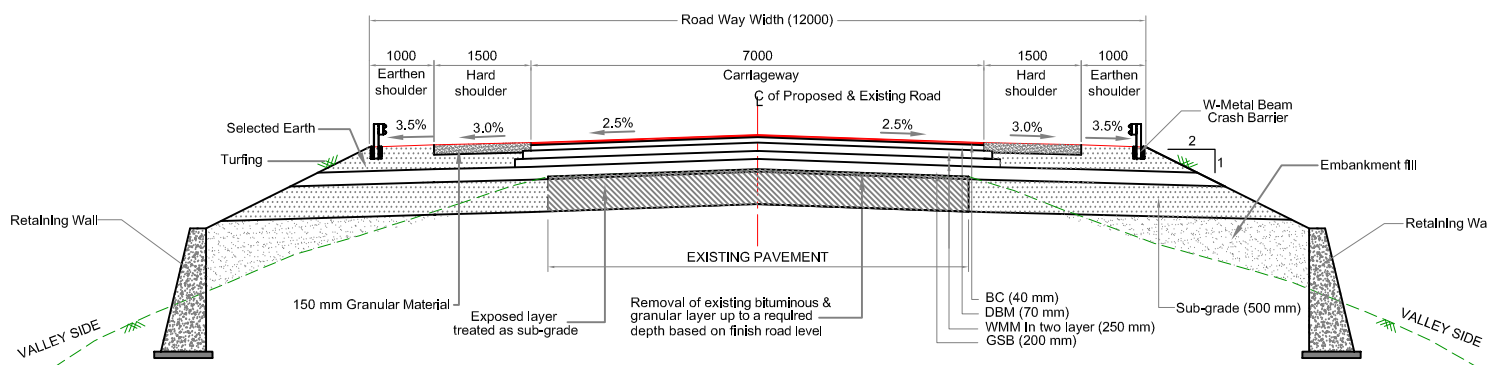
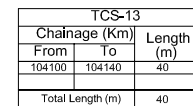
					Scale :- 1 : 75	CUSTOMER: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building, 3rd Floor, 4 Parliament Street, New Delhi - 110001	TYPICAL CROSS SECTION	CONSULTANT : CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092	DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIC/TCS
					DATE: APRIL, 2020	PROJECT: CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES IN RESPECT OF 2 LANE OF CHURACHANDPUR - TUIVAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR) ON ENGINEERING PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR (PKG-NHIDCL/DPR/CT-U-TP/Manipur/2017)	SUBMISSION TYPE: FINAL DETAILED PROJECT REPORT		REVISION MKD. - R0
							PACKAGE - IIIC		SHEET NO. - 04
									DRAWN BY
									DESIGNED BY
									CHECKED BY
									ISSUED BY
									S.MANDAL
									B.DAS
									S.SADHU
									A.K.DAS

TCS-12		
Chainage (Km)		
From	To	Length (m)
104730	104780	50
Total Length (m)		50









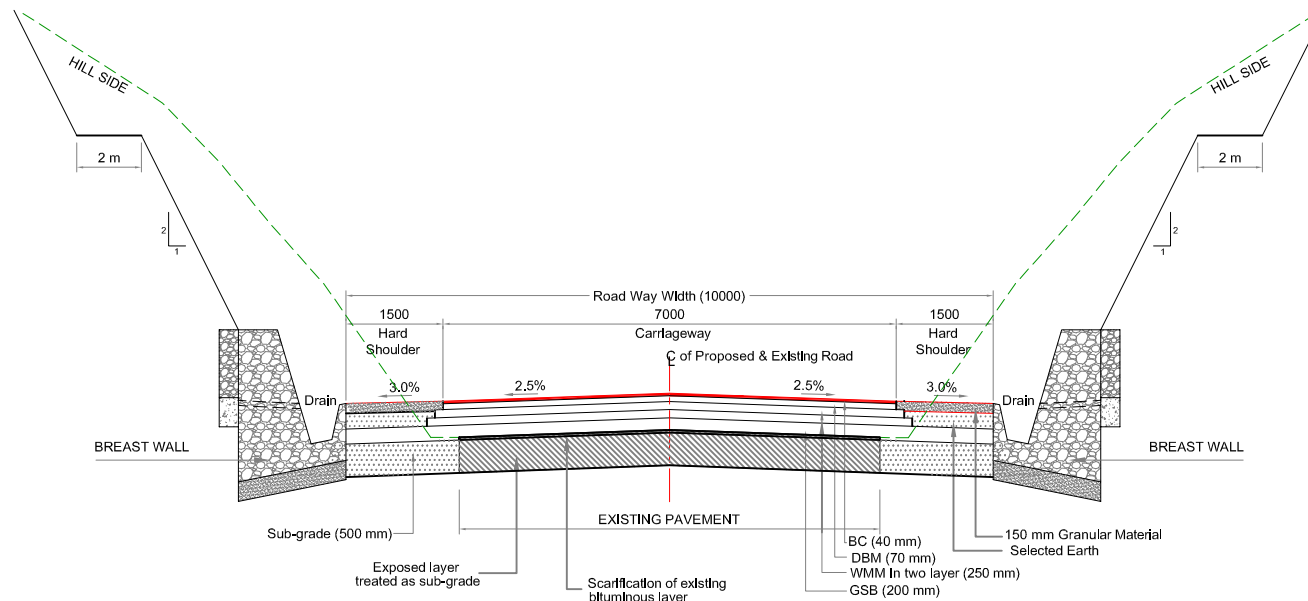
**TCS-12 :-TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH RETAINING WALL ON VALLEY SIDE AND BREAST WALL ON HILL SIDE
(RECONSTRUCTION OF EXISTING PAVEMENT)**

					Scale :- 1 : 75	CUSTOMER: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building, 3rd Floor, 4 Parliament Street, New Delhi - 110001	TYPICAL CROSS SECTION	CONSULTANT : CETEST Engineering Consultants 124-A, N.S.C. Bose Road Kolkata - 700092	DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIC/TCS
					DATE: APRIL, 2020	PROJECT: CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES IN RESPECT OF 2 LANE OF CHURACHANDPUR - TUINAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR) ON ENGINEERING PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR (PKG-NHIDCL/DPR/CT-IJ-TP/Manipur/2017)	SUBMISSION TYPE: FINAL DETAILED PROJECT REPORT		REVISION MKD. - R0
							PACKAGE - IIIC		SHEET NO. - 05
									DRAWN BY
									DESIGNED BY
									CHECKED BY
									ISSUED BY
									S.MANDAL
									B.DAS
									S.SADHU
									A.K.DAS









TCS-13A		
Chainage (Km)		Length (m)
From	To	
118700	118725	25
Total Length (m)		25

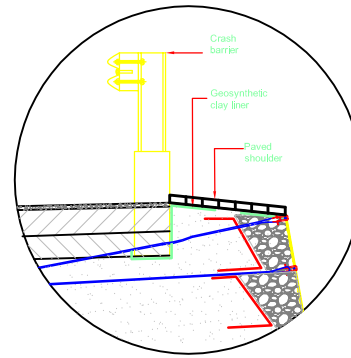
					Scale :- 1 : 75		CLIENT : NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building,3rd Floor, 4 Parliament Street, New Delhi - 110001	TYPICAL CROSS SECTION		CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road, Kolkata - 700092	DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIC/TC5 REVISION MKD. - R0				SHEET NO. - 06				
					DATE: APRIL, 2020	PROJECT : CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING SERVICES IN RESPECT OF 2 LANEING OF CHURACHANDPUR - TUJIVA ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR) ON ENGINEERING PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR (P&C-NHIDCL PROJECT-2017-2018)		SUBMISSION TYPE : FINAL DETAILED PROJECT REPORT				DRAWN BY 		DESIGNED BY 		CHECKED BY 		ISSUED BY 	
MKD. DATE DESCRIPTION CHKD. APPRD.										PACKAGE - IIIC									
REVISIONS																			



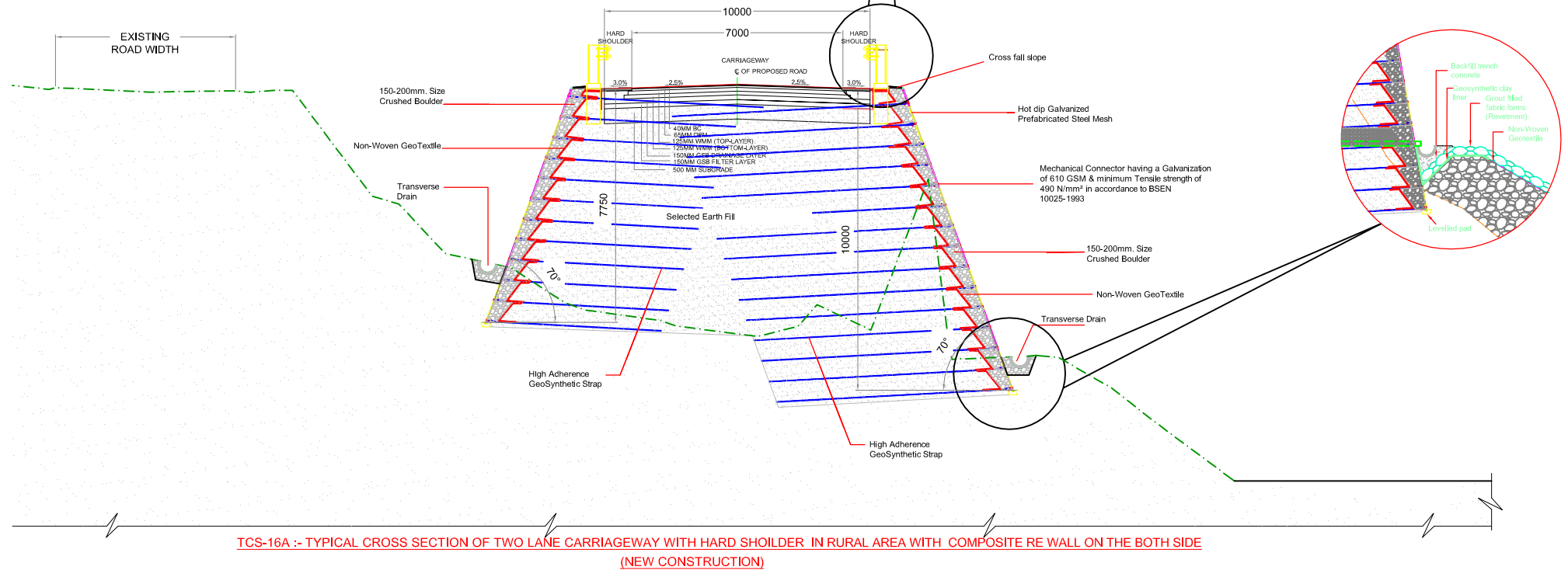
TCS-15		
Chainage (Km)	From	To
103800	103850	50
104320	104370	50
Total Length (m)	100	

**TCS-15 :- TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH BOTH SIDE BREAST WALL
(RECONSTRUCTION OF EXISTING PAVEMENT)**

					Scale :- 1 : 75		CLIENT : NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building, 3rd Floor, 4 Parliament Street, New Delhi - 110001	TYPICAL CROSS SECTION	CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092	DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIC/TCS			
					DATE: APRIL, 2020	PROJECT: CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES IN RESPECT OF 2 LANE OF CHURACHANDPUR - TUINAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR) ON ENGINEERING PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR (PKG-NHIDCL/DPR/CT-U-TP/Manipur/2017)	SUBMISSION TYPE : FINAL DETAILED PROJECT REPORT			REVISION MKD. - R0	SHEET NO. - 07		
										DRAWN BY 	DESIGNED BY 	CHECKED BY 	ISSUED BY 
REVISIONS								PACKAGE - IIIC					

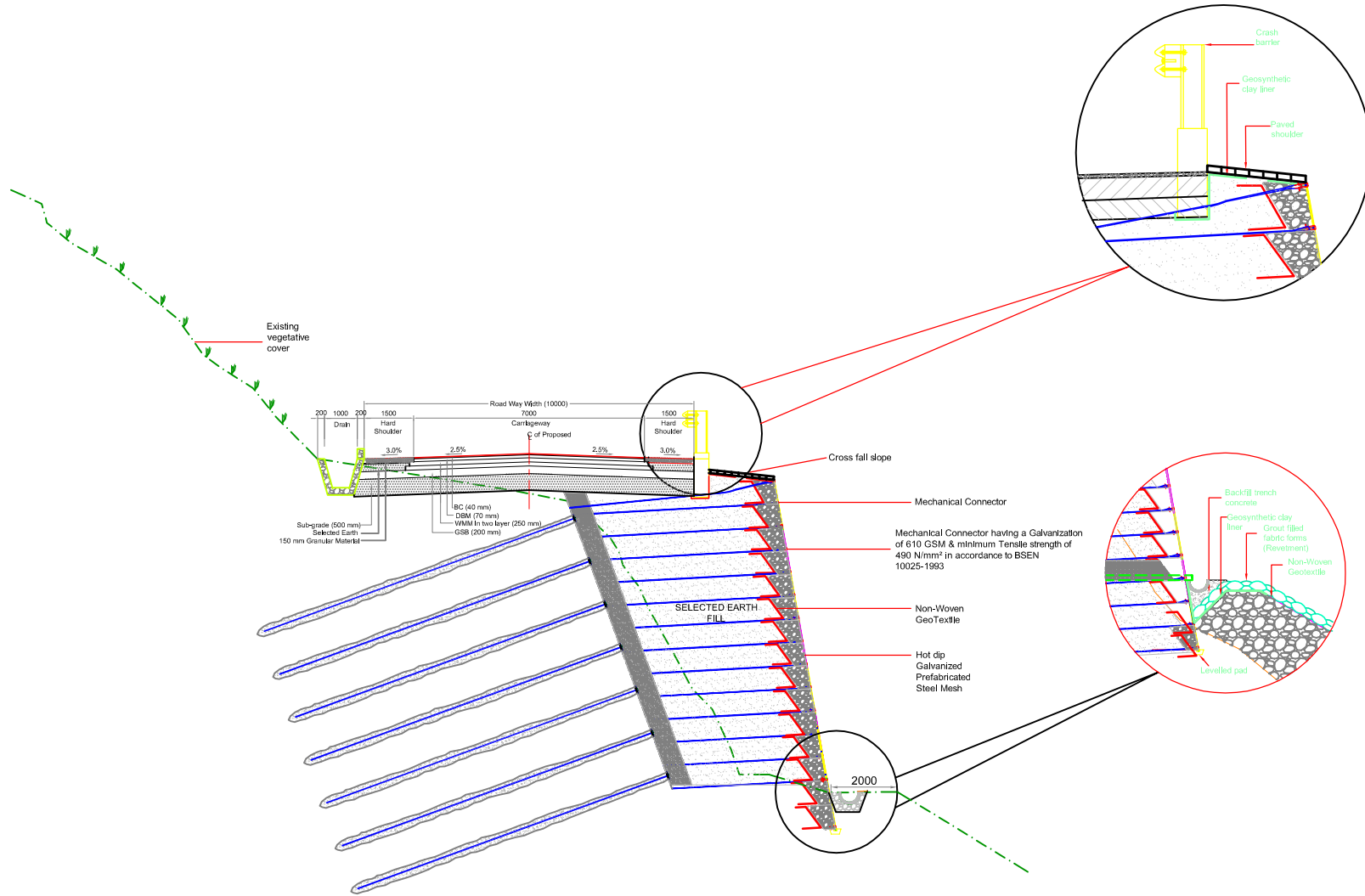


TCS-16A		
Chainage (Km)		Length (m)
From	To	
105600	105640	40
106725	106785	60
109350	109400	50
Total Length (m)		150









TCS-16A :- TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH COMPOSITE RE WALL ON THE BOTH SIDE (NEW CONSTRUCTION)

					Scale :- 1 : 75		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building, 3rd Floor, 4 Parliament Street, New Delhi - 110001		TYPICAL CROSS SECTION		CONSULTANT : CETEST CE TESTING COMPANY PVT. LTD. Engineering Consultants 124-A, N.S.C. Bose Road Kolkata - 700092		DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIIC/TCS			
					DATE: APRIL, 2020		PROJECT: CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES IN RESPECT OF 2 LANE OF CHURACHANDPUR - TUVAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR) ON ENGINEERING PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR		SUBMISSION TYPE: FINAL DETAILED PROJECT REPORT		PACKAGE - IIIIC		REVISION MKD. - R0		SHEET NO. - 08	
REVISIONS							PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR (PKG-NHIDCL/DPR/CT-U-TP/Manipur/2017)						DRAWN BY		DESIGNED BY	
													CHECKED BY		ISSUED BY	
													S.MANDAL		B.DAS	
													S.SADHU		A.K.DAS	



TCS-17A :- TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH COMPOSITE RE WALL ON VALLEY SIDE AND 'V' DRAIN ON HILL SIDE.

					Scale :- 1 : 75		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building, 3rd Floor, 4 Parliament Street, New Delhi - 110001	TYPICAL CROSS SECTION	CONSULTANT :  CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092	DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIC/TCS REVISION MKD. - R0 SHEET NO. - 09				
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.	DATE:	PROJECT: CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES IN RESPECT OF 2 LANE OF CHURACHANDPUR - TUINAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR) ON ENGINEERING PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR (PKG-NHIDCL/DPR/CT-II-TP/Manipur/2017)				SUBMISSION TYPE : FINAL DETAILED PROJECT REPORT	DRAWN BY 	DESIGNED BY 	CHECKED BY 	ISSUED BY 
REVISIONS					APRIL, 2020					PACKAGE - IIIC	S.MANDAL	B.DAS	S.SADHU	A.K.DAS