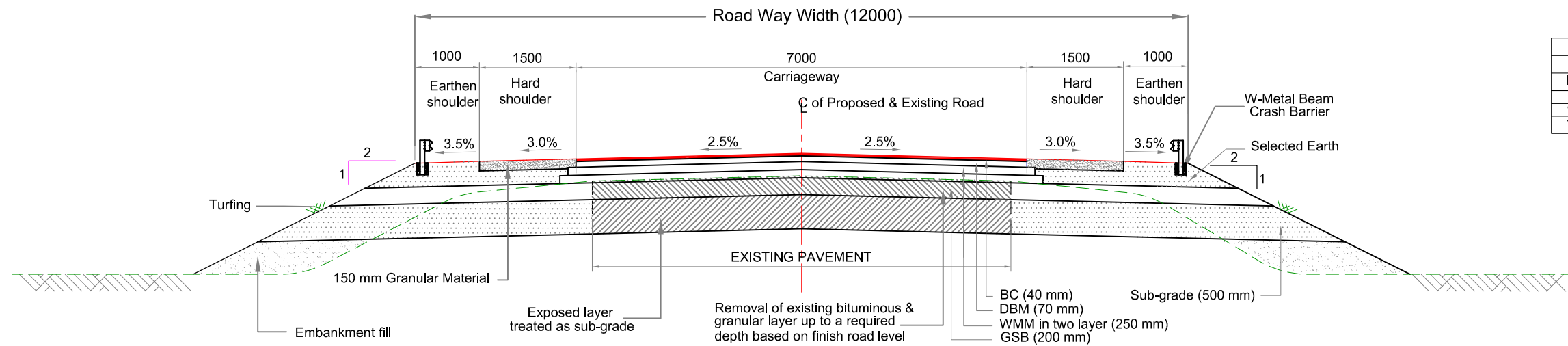


TCS-1		
Chainage (Km)		Length (m)
From	To	
91050	91250	200
99720	100800	1080
Total Length (m)		1280

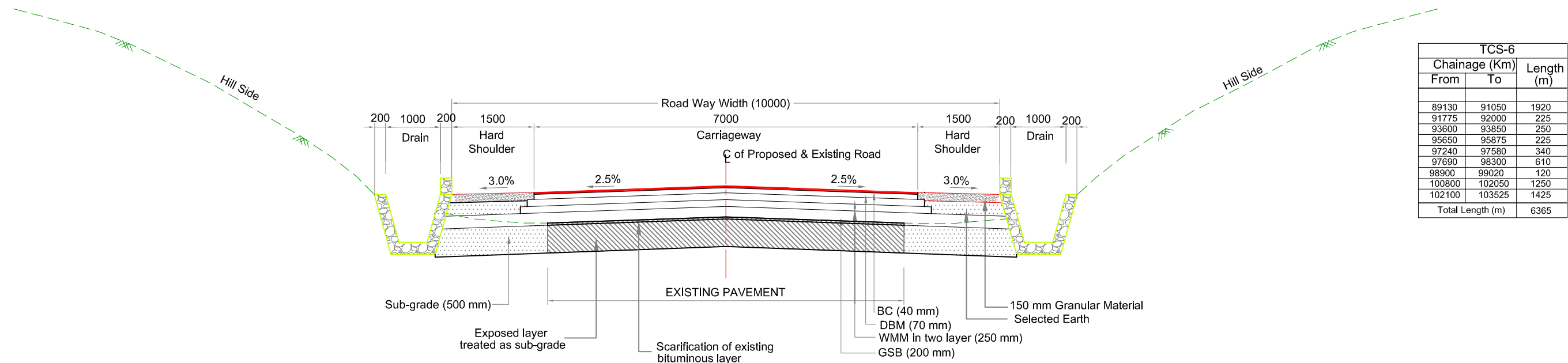
**TCS-1 :- TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN BUILT UP AREA WITH BOTH SIDE FOOTPATH CUM RCC RECTANGULAR DRAIN (RECONSTRUCTION OF EXISTING PAVEMENT)**



TCS-4		
Chainage (Km)		Length (m)
From	To	
95875	95925	50
Total Length (m)		50

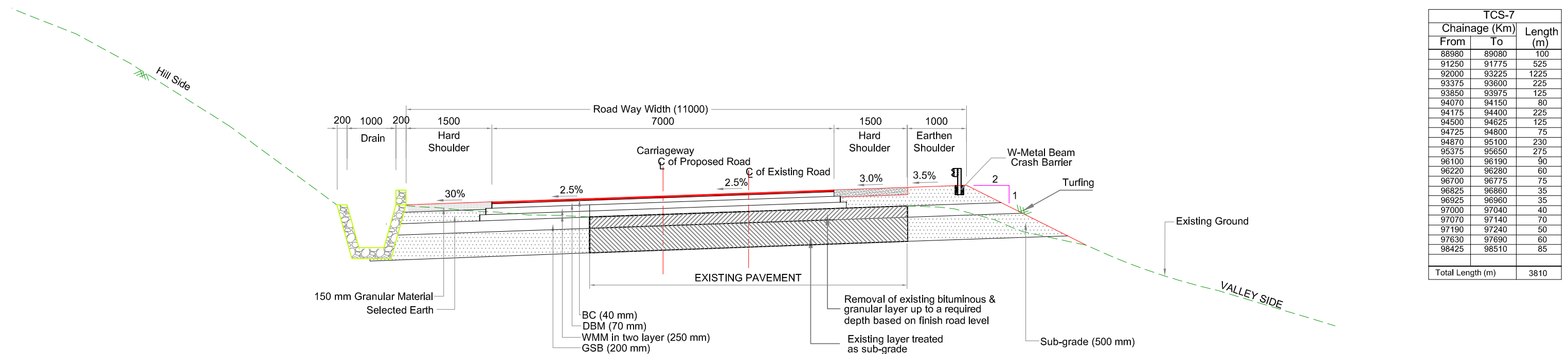
**TCS- 4 :-TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA (RECONSTRUCTION OF EXISTING PAVEMENT)**

					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 : <b>CETEST</b> Engineering Consultants 124-A, N.S.C. Bose Road Kolkata - 700092		DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIB/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 <b>CHURACHANDPUR - TUIVAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR)</b> ON ENGINEERING, PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR		SUBMISSION TYPE : <b>FINAL DETAILED PROJECT REPORT</b>		PACKAGE - IIIB		REVISION MKD. - R0		SHEET NO. - 01	
							PROCUREMENT AND CONSTRUCTION MODE IN THE STATES OF MANIPUR (PKG:-NHIDCL/DPR/CT-JJ-TP/Manipur/2017)						DRAWN BY		DESIGNED BY	
													CHECKED BY		ISSUED BY	
													S.MANDAL		B.DAS	
													S.SADHU		A.K.DAS	



TCS-6		
Chainage (Km)		Length (m)
From	To	
89130	91050	1920
91775	92000	225
93600	93850	250
95650	95875	225
97240	97580	340
97690	98300	610
98900	99020	120
100800	102050	1250
102100	103525	1425
Total Length (m)		6365

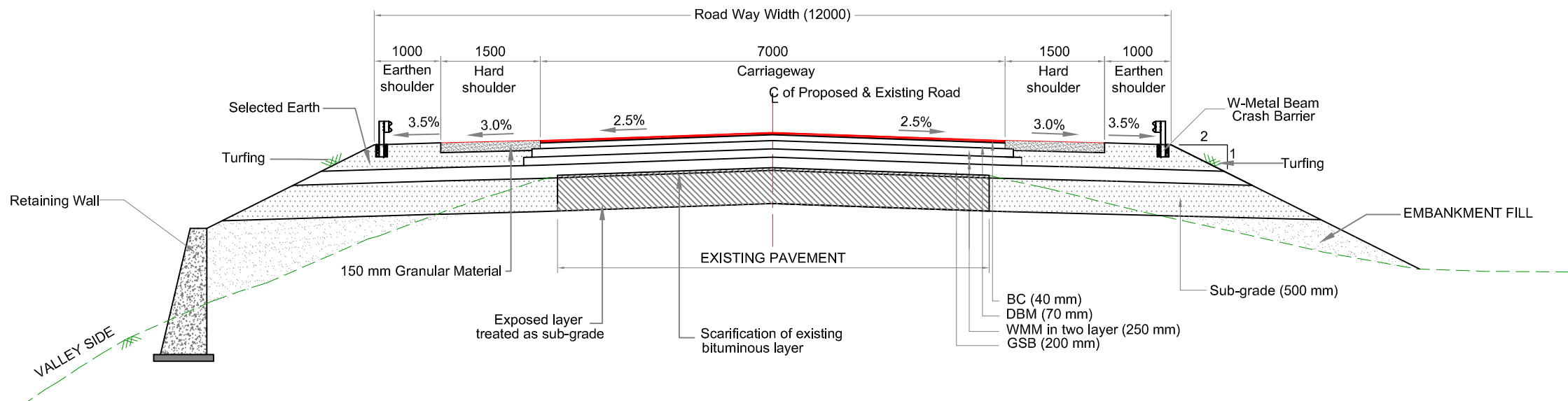
**TCS-6 :-TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH BOTH SIDE OPEN TRAPEZOIDAL DRAIN ON HILL SECTION**  
**(RECONSTRUCTION OF EXISTING PAVEMENT)**



TCS-7		
Chainage (Km)		Length (m)
From	To	
88980	89080	100
91250	91775	525
92000	93225	1225
93375	93600	225
93850	93975	125
94070	94150	80
94175	94400	225
94500	94625	125
94725	94800	75
94870	95100	230
95375	95650	275
96100	96190	90
96220	96280	60
96700	96775	75
96825	96860	35
96925	96960	35
97000	97040	40
97070	97140	70
97190	97240	50
97630	97690	60
98425	98510	85
Total Length (m)		3810

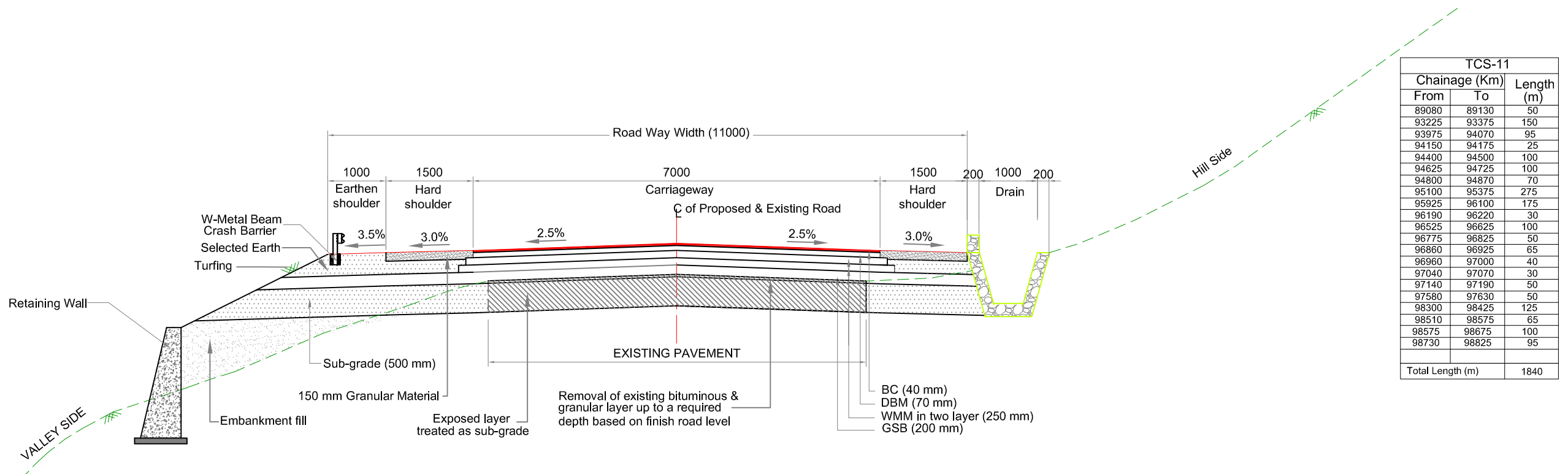
**TCS-7 : TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH OPEN TRAPEZOIDAL DRAIN ON HILL SIDE AND EARTHEN SHOULDER ON VALLEY SIDE**  
**(RECONSTRUCTION OF EXISTING PAVEMENT)**

					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 : <b>CETEST</b> 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-IIIB/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 <b>CHURACHANDPUR – TUIVAI ROAD SECTION(LENGTH = 162 KM) ON NH-102B (MANIPUR)</b> 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		SHEET NO. - 02	
													DRAWN BY		DESIGNED BY	
													CHECKED BY		ISSUED BY	
REVISIONS													S.MANDAL		B.DAS	
													S.SADHU		A.K.DAS	
									PACKAGE - IIIB							










TCS-10		
Chainage (Km)		Length (m)
From	To	
99660	99720	60
Total Length (m)		60

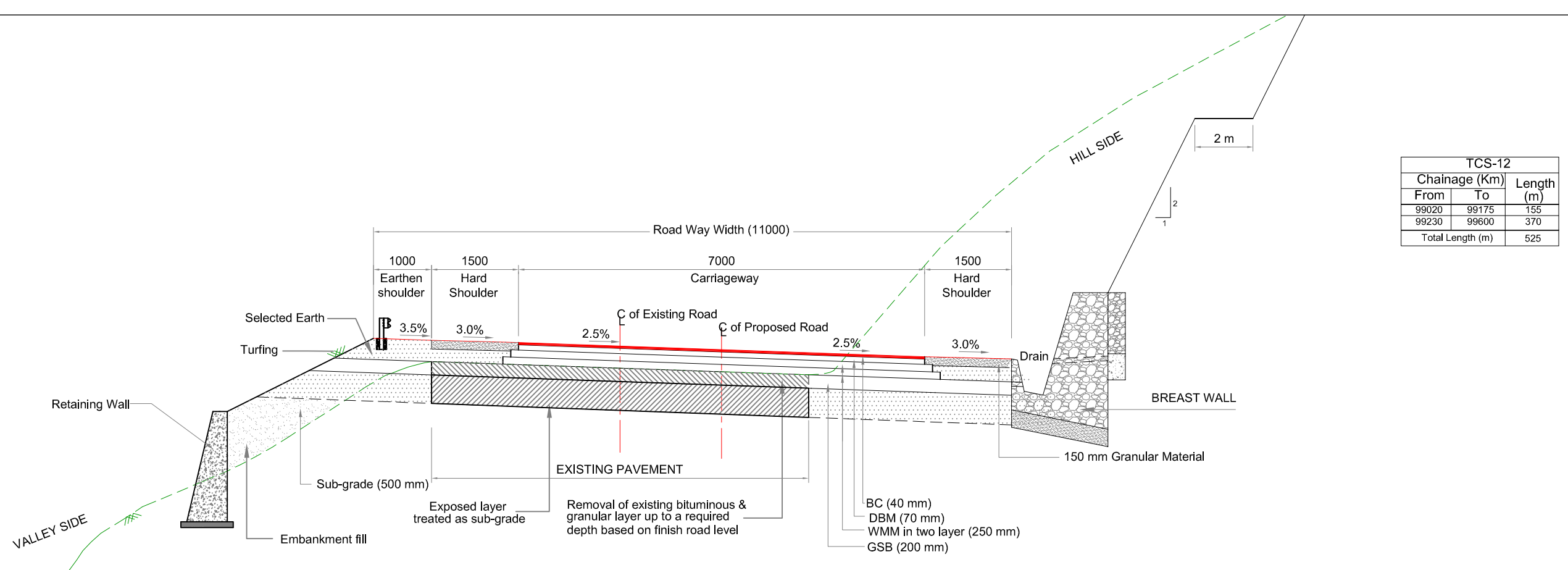
**TCS-10 :-TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH RETAINING WALL ON VALLEY SIDE  
(RECONSTRUCTION OF EXISTING PAVEMENT)**



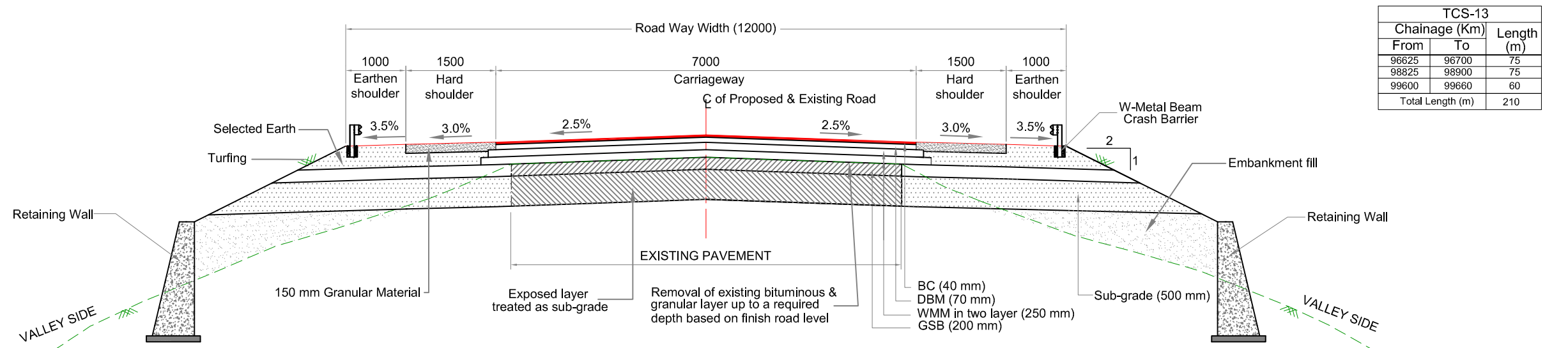
TCS-11		
Chainage (Km)		Length (m)
From	To	
89080	89130	50
93225	93375	150
93975	94070	95
94150	94175	25
94400	94500	100
94625	94725	100
94800	94870	70
95100	95375	275
95925	96100	175
96190	96220	30
96525	96625	100
96775	96825	50
96860	96925	65
96960	97000	40
97040	97070	30
97140	97190	50
97580	97630	50
98300	98425	125
98510	98575	65
98575	98675	100
98730	98825	95
Total Length (m)		1840

**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)**



						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 :  <b>CE TESTING COMPANY PVT. LTD.</b> 124-A, N.S.C. Bose Road Kolkata - 700092. 	DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIB/TCS						
									REVISION MKD. - R0			SHEET NO. - 03						
						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 <b>CHURACHANDPUR – TUIVAI ROAD SECTION(LENGTH = 162 KM) ON NH-102B (MANIPUR)</b> 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		 S.MANDAL  B.DAS  S.SADHU  A.K.DAS	DRAWN BY		DESIGNED BY		CHECKED BY		ISSUED BY	
MKD.    DATE    DESCRIPTION    CHKD.    APPRD.								PACKAGE - IIIB					S.MANDAL		B.DAS		S.SADHU	
REVISIONS																		



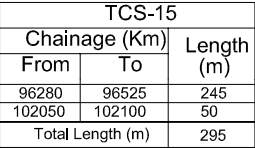
**TCS-12 :-TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH RETAINING WALL ON VALLEY SIDE AND BREAST WALL ON HILL SIDE**  
**(RECONSTRUCTION OF EXISTING PAVEMENT)**





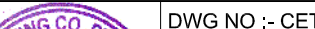


**TCS-13 :-TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOULDER IN RURAL AREA WITH BOTH SIDE RETAINING WALL ON VALLEY SIDE**  
**(RECONSTRUCTION OF EXISTING PAVEMENT)**

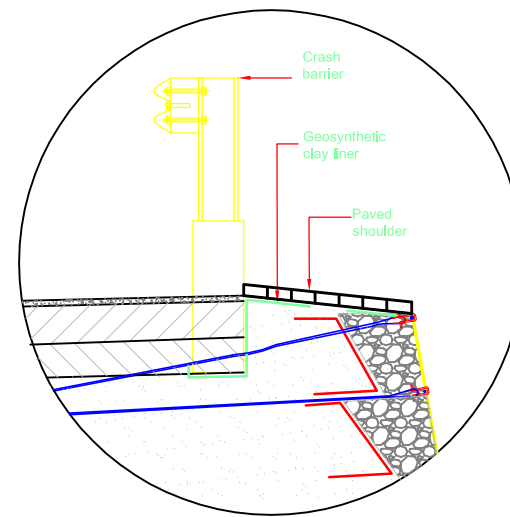
					Scale :- 1 : 75		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building, 3rd Floor, 4 Parliament Street, New Delhi - 110001	TYPICAL CROSS SECTION	CONSULTANT :  <b>CETEST</b> CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.	DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIB/TCS			
					DATE: APRIL, 2020					REVISION MKD. - R0		SHEET NO. - 04	
					PROJECT: CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES IN RESPECT OF 2 LANING OF <b>CHURACHANDPUR – TUIVAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR)</b> 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 :  <b>FINAL DETAILED PROJECT REPORT</b>		S.MANDAL	B.DAS	S.SADHU	A.K.DAS	
REVISIONS													
								PACKAGE - IIIB					



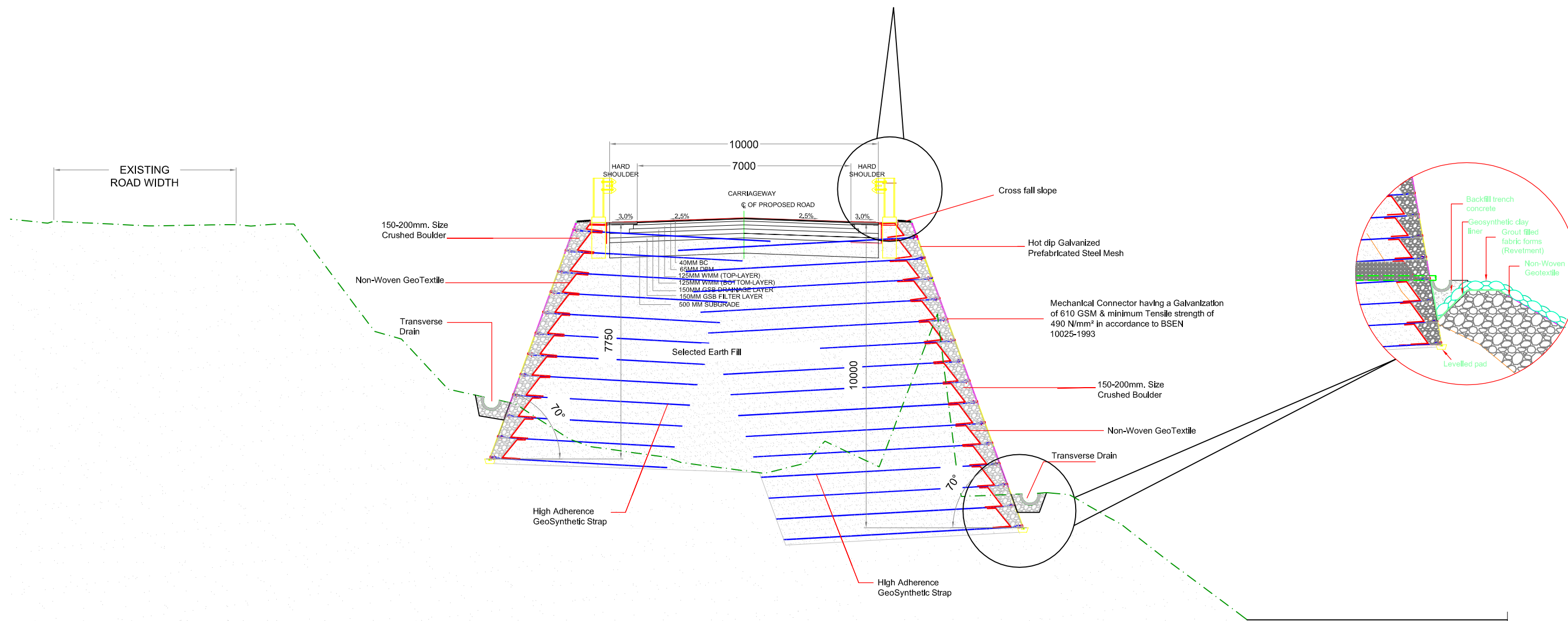


TCS-15 :- TYPICAL CROSS SECTION OF TWO LANE CARRIAGEWAY WITH HARD SHOILDER IN RURAL AREA WITH BOTH SIDE BREAST WALL  
(RECONSTRUCTION OF EXISTING PAVEMENT)



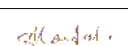

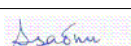

					Scale :- 1 : 75		CLIENT: NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. PTI Building, 3rd Floor, 4 Parliament Street, New Delhi - 110001	TYPICAL CROSS SECTION		CONSULTANT :   CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092. 	DWG NO :- CET/4047/NHIDCL/NH-102B/C-T/FDPR/PKG-IIIB/TCS			
								REVISION MKD. - R0			SHEET NO. - 05			
					DATE: APRIL, 2020	<b>PROJECT:</b> CONSULTANCY SERVICES FOR CARRYING OUT FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES IN RESPECT OF 2 LANING OF <b>CHURACHANDPUR – TUVAI ROAD SECTION (LENGTH = 162 KM) ON NH-102B (MANIPUR)</b> 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 :		CE TESTING COMPANY PVT. LTD. 124-A, N.S.C. Bose Road Kolkata - 700092.		DRAWN BY	DESIGNED BY	CHECKED BY	ISSUED BY
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.			FINAL DETAILED PROJECT REPORT		PACKAGE - IIIB					
REVISIONS											S.MANDAL	B.DAS	S.SADHU	A.K.DAS



TCS-16A		
Chainage (Km)		Length (m)
From	To	
99175	99230	55
Total Length (m)		55



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 :  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-IIIB/TCS				
					DATE: APRIL, 2020			SUBMISSION TYPE : FINAL DETAILED PROJECT REPORT			REVISION MKD. - R0		SHEET NO. - 06		
MKD.	DATE	DESCRIPTION	CHKD.	APPRD.											
REVISIONS															
										PACKAGE - IIIB					

