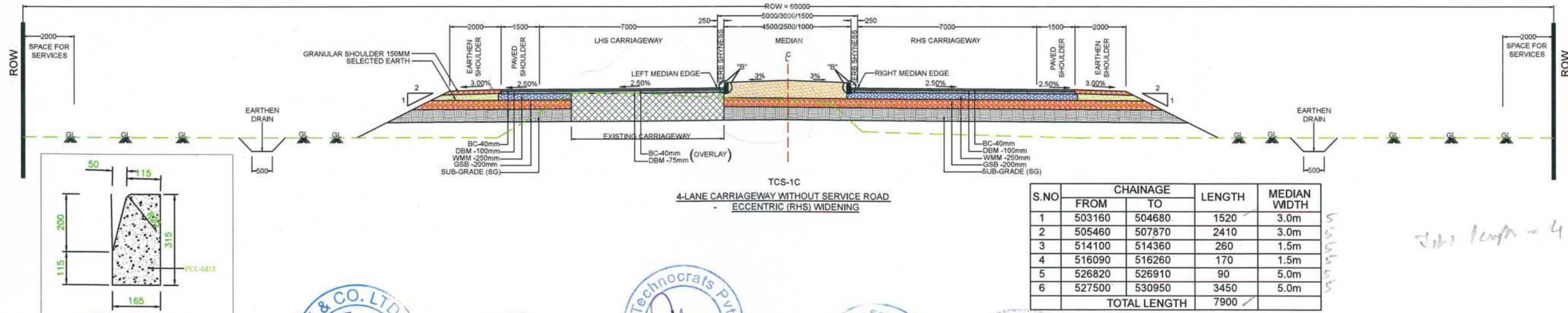
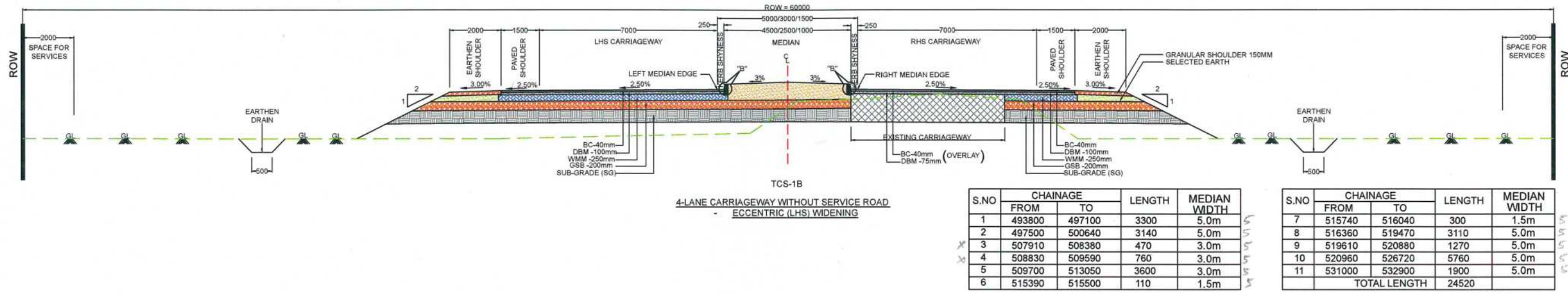
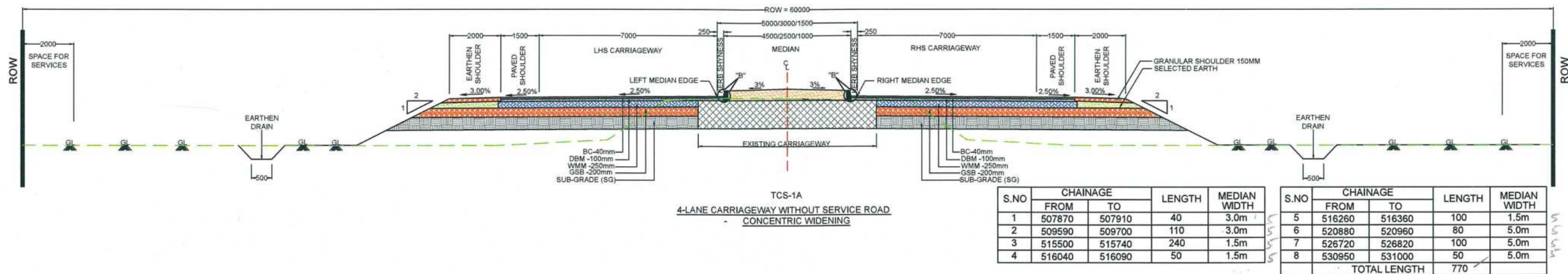
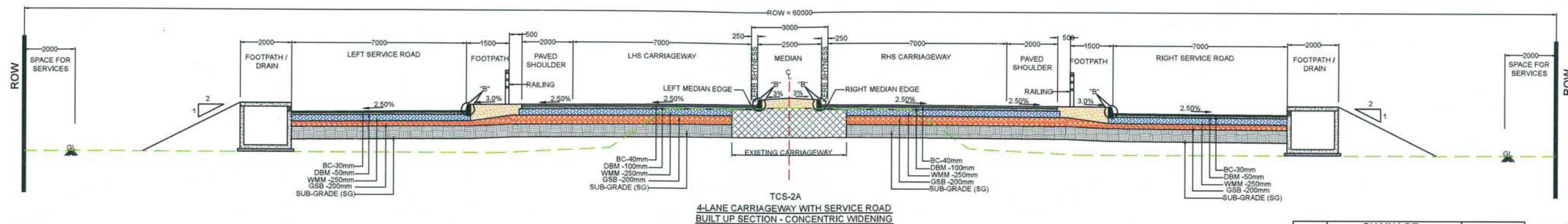


**(TYPICAL CROSS SECTION)**

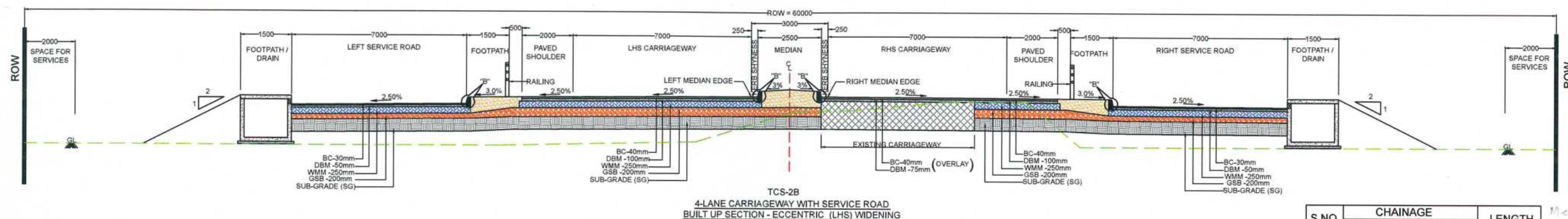


CLIENT :		EPC CONTRACTOR :		DESIGN CONSULTANT :		PROFESSIONAL CONSULTANT :		SAFETY CONSULTANT :		AUTHORITY ENGINEER :		PROJECT :		DRAWN BY	Mr. DEV	STATUS :	DETAILED DESIGN
R02 DEC-20		CHANGE MEDIAN WIDTH		M/s Gannon Dunkerley & Company Ltd.		M/s Estatic Engineering Consultants Pvt. Ltd.		Marc Technocrats Private Limited.		G-Engineering Advisory Services Pvt. Ltd.		Voyants Solutions Pvt. Ltd.		DESIGNED BY	Mr. A.K.	TITLE :	TYPICAL CROSS SECTIONS
R01 NOV-20		CHANGE IN TCS -5.6 & 7A		NATIONAL HIGHWAY AND INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED		M/s Estatic Engineering Consultants Pvt. Ltd.		Marc Technocrats Private Limited.		G-Engineering Advisory Services Pvt. Ltd.		Voyants Solutions Pvt. Ltd.		CHECKED BY	Sh. L.K.		
R0 MAR-20		FOR APPROVAL		NATIONAL HIGHWAY AND INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED		M/s Estatic Engineering Consultants Pvt. Ltd.		Marc Technocrats Private Limited.		G-Engineering Advisory Services Pvt. Ltd.		Voyants Solutions Pvt. Ltd.		APPROVED BY	Sh. A.G.		
REV		DATE		DESCRIPTION OF REVISIONS										DATE	DEC-20	DRG NO :	NHIDCL/GDCL/G-ENG/19038/TCS01

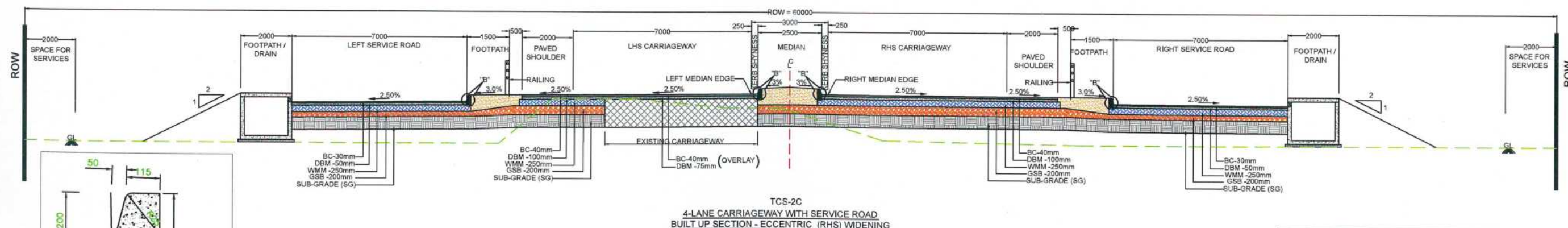




S.NO	CHAINAGE		LENGTH
	FROM	TO	
1	501280	501890	610
	TOTAL LENGTH		610



S.NO	CHAINAGE		LENGTH
	FROM	TO	
1	534370	534810	440
	TOTAL LENGTH		440

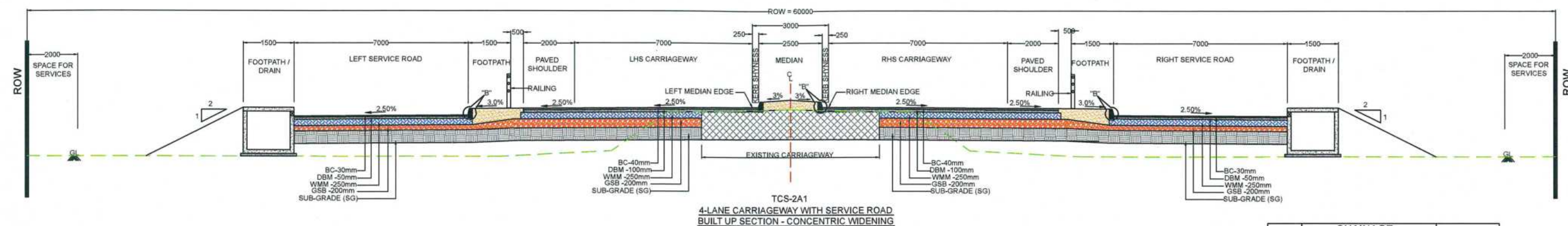


S.NO	CHAINAGE		LENGTH
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	TOTAL LENGTH		350

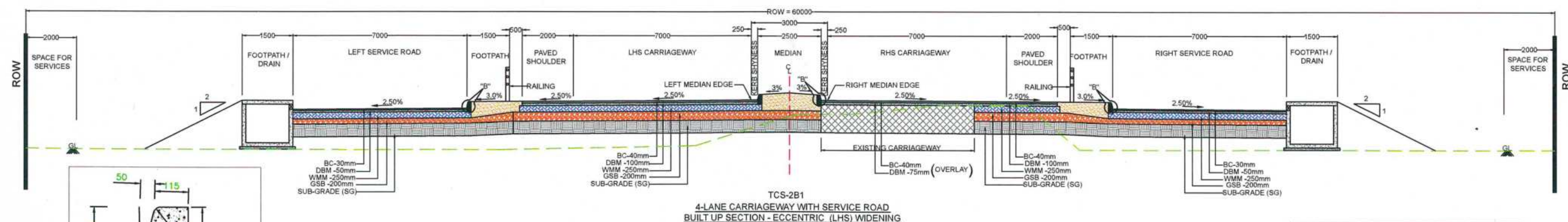
**NOTE:-**  
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.

			CLIENT :	EPC CONTRACTOR :  M/s Gannon Dunkerley & Company Ltd. Plot No. 19, Sector-55, Gurgaon - 750046	DESIGN CONSULTANT :  M/s Ecstasy Engineering Consultants Pvt. Ltd. SCO-102, HUDRA Shopping Center-Sector-55 Gurgaon-122011 (Hr) INDIA	PROOF CONSULTANT :  Marc Technocrats Private Limited. Cor. Office Marc House SCO-1, Sector-67, Daring Road Opp Devi Lal Park, Bahadurgah, Hariana-124507 Tel. +91-1276-645290 E-mail mct_rk@rediffmail.com	SAFETY CONSULTANT :  G-Engineering Advisory Services Pvt. Ltd. SOC-102, HUDRA Shopping Center, Sector-55 Gurugram-122011 (Hr) INDIA Tel. +91-1276-645290 Fax: 124-2592006 E-mail info@g-eng.in web www.g-eng.in	AUTHORITY ENGINEER :-  Voyant Solutions Pvt. Ltd. BPT Park Centre, 803, 4th Floor, Sector-55, Gurugram 30, Gurugram, Haryana 122001	PROJECT : FOUR LANE OF JHANJHI TO DEMOW SECTION FROM KM. 491+050 TO 535+250 (DESIGN KM. 490+800 TO KM. 534-800) OF NH-37 IN THE STATE OF ASSAM UNDER SARDP ON ENGINEERING PROCUREMENT & CONSTRUCTION (EPC) MODE.	DRAWN BY : Mr. DEV DESIGNED BY : Mr. A K CHECKED BY : Sh. L.K APPROVED BY : Sh. A.G DATE: DEC -20	STATUS : TITLE : DRG NO. : NHIDCL/GDCL/G-ENG/19038/TCS/O	DETAILED DESIGN TYPICAL CROSS SECTIONS
R02	DEC-20	CHANGE MEDIAN WIDTH	NATIONAL HIGHWAY AND INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED									
R01	NOV-20	CHANGE IN TCS -5.6 & 7A										
R0	MAR-20	FOR APPROVAL										
REV	DATE	DESCRIPTION OF REVISIONS										

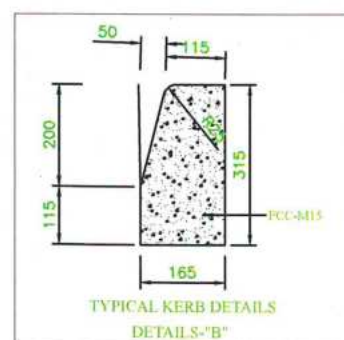




S.NO	CHAINAGE		LENGTH
	FROM	TO	
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TOTAL LENGTH			360



S.NO	CHAINAGE		LENGTH
	FROM	TO	
1	532900	533240	340
TOTAL LENGTH			340

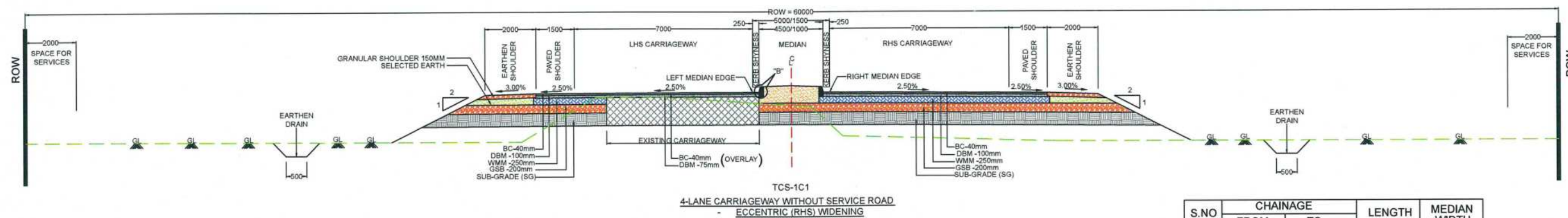


NOTE:-  
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.

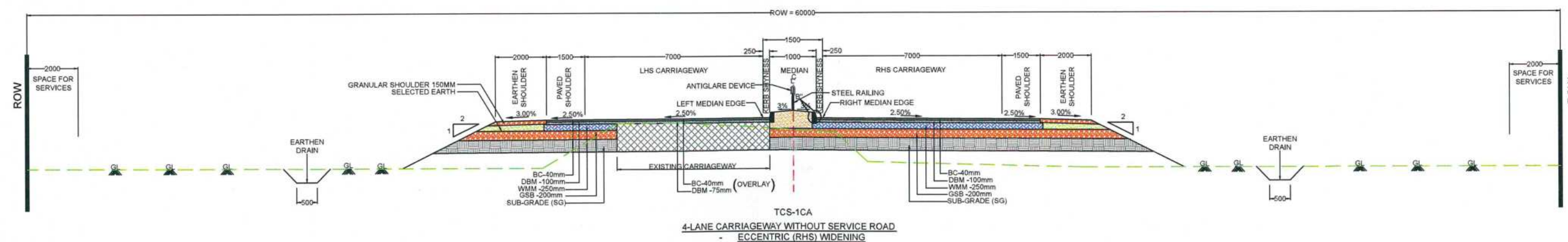
REV	DATE	DESCRIPTION OF REVISIONS	CLIENT	DESIGN CONSULTANT	PROOF CONSULTANT	SAFETY CONSULTANT	AUTHORITY ENGINEER	PROJECT	DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY	DATE	STATUS	TITLE	DRG. NO.
R02	DEC-20	CHANGE MEDIAN WIDTH	NATIONAL HIGHWAY AND INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED	M/s Gannon Dunkerley & Company Ltd. 90A, Tanna Road (South) Unit 10, 7th Floor, Kolkata - 700046	M/s Eshwar Engineering Consultants Pvt. Ltd. SCO-103, 2nd Floor, HUDA Shopping Center, Sector-55 (Gurgaon) INDIA	Marc Technocrats Private Limited. Corp. Office: Mitt House, SCO-1, Sector-6-7, Dividing Road Opp. Devi Lal Park, Bahadurgarh, Haryana-124507 Tel.: +91-1276-645290 E-mail: mcl_rtd@rediffmail.com	G-Engineering Advisory Services Pvt. Ltd. SCO-102, HUDA Shopping Center, Sector-55 Gurgaon-122011 (HR) INDIA G-ENG Tel.: +91-124-429580/2, 68 Fax: 124-2392006 E-mail: info@g-eng in web: www.g-eng in	Voyants Solutions Pvt. Ltd. Plot No. 48, Block A, Jd 36, Sector 30, Gurugram, Haryana 122001	Mr. DEV	Mr. A.K	Sh. L.K	Sh. A.G	DEC-20	DETAILED DESIGN	TYPICAL CROSS SECTIONS	NHIDCL/GDCL/G-ENG/19038/TCS/2A
R01	NOV-20	CHANGE IN TCS-5, 6 & 7A														
R0	MAR-20	FOR APPROVAL														
REV	DATE	DESCRIPTION OF REVISIONS														

PROJECT:  
FOUR LANE OF JHANJHI TO  
DEMOG SECTION FROM KM. 491+050  
TO 535+250 (DESIGN KM. 490+800 TO  
KM. 534+800) OF NH-37 IN THE STATE  
OF ASSAM UNDER SARDP ON  
ENGINEERING PROCUREMENT &  
CONSTRUCTION (EPC) MODE.



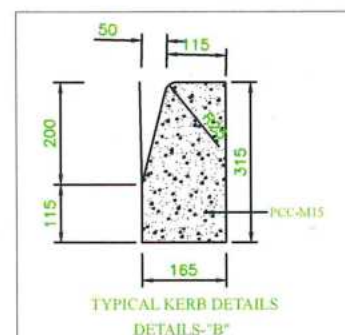


S.NO	CHAINAGE		LENGTH	MEDIAN WIDTH
	FROM	TO		
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2	492550	493700	1250	1.5m ✓
3	493700	493800	100	5.0m ✓
4	497100	497500	400	5.0m ✓
TOTAL LENGTH			2200	2300



S.NO	CHAINAGE		LENGTH
	FROM	TO	
1	492150	492550	400
TOTAL LENGTH			400 ✓

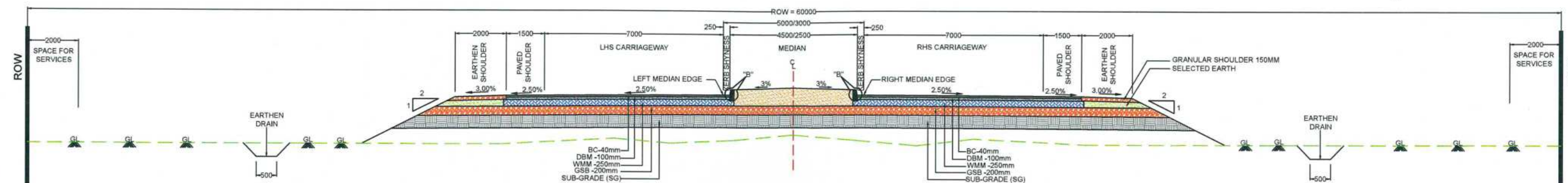
Median width 1.5 (5)



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

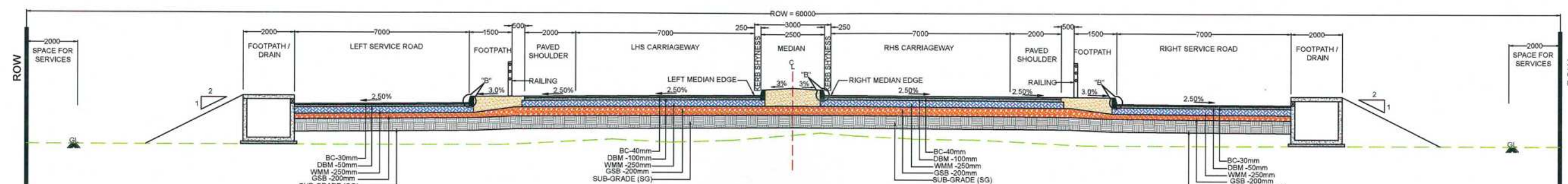
REV	DATE	DESCRIPTION OF REVISIONS	CLIENT	DESIGN CONSULTANT	PROFESSIONAL CONSULTANT	SAFETY CONSULTANT	AUTHORITY ENGINEER	PROJECT	DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY	DATE	STATUS	TITLE	DRG. NO.
R02	DEC-20	CHANGE MEDIAN WIDTH	NATIONAL HIGHWAY AND INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED	M/s. Ecstatic Engineering Consultants Pvt. Ltd.	Marc Technocrats Private Limited.	G-Engineering Advisory Services Pvt. Ltd.	Voyants Solutions Pvt. Ltd.	FOUR LANE OF JHAIHI TO DEMOW SECTION FROM KM. 481+050 TO 535+250 (DESIGN KM. 490+800 TO KM. 534+800) OF NH-37 IN THE STATE OF ASSAM UNDER SARDP ON ENGINEERING PROCUREMENT & CONSTRUCTION (EPC) MODE.	Mr. DEV	Mr. A.K	Sh. L.K	Sh. A.G	DEC.-20	Detailed Design	TYPICAL CROSS SECTIONS	NHIDCL/GDCL/G-ENG/19038/TCS/2A1
R01	NOV-20	CHANGE IN TCS -5.6 & 7A														
R0	MAR-20	FOR APPROVAL														
REV	DATE	DESCRIPTION OF REVISIONS														





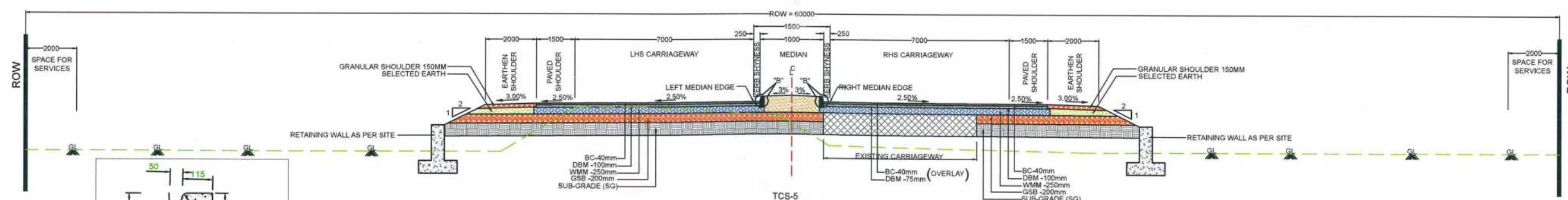
4-LANE CARRIAGEWAY WITHOUT SERVICE ROAD - NEW CONSTRUCTION (REALIGNMENT / RECONSTRUCTION)

S.NO	CHAINAGE		LENGTH	MEDIAN WIDTH
	FROM	TO		
1	508380	508830	450	3.0m
2	519470	519610	140	5.0m
3	526910	527500	590	5.0m
TOTAL LENGTH			1180	



4-LANE CARRIAGEWAY WITH SERVICE ROAD BUILT UP SECTION - NEW CONSTRUCTION (REALIGNMENT / RECONSTRUCTION)

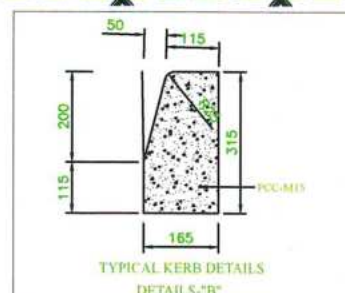
S.NO	CHAINAGE		LENGTH
	FROM	TO	
1	501890	502290	400
TOTAL LENGTH			400



4-LANE CARRIAGEWAY WITHOUT SERVICE ROAD - ECCENTRIC (RHS) WIDENING WITH RETAINING WALL ON BOTH SIDE \*AS PER SITE CONDITION\*

S.NO	CHAINAGE		LENGTH
	FROM	TO	
1	515020	515110	90
TOTAL LENGTH			90

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



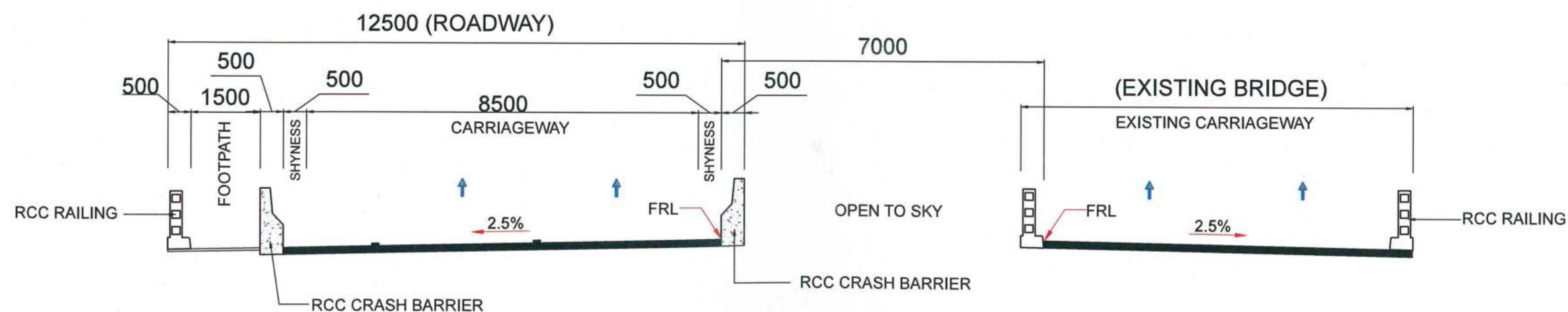
REV	DATE	DESCRIPTION OF REVISIONS	CLIENT	EPD CONTRACTOR	DESIGN CONSULTANT	PROJECT CONSULTANT	SAFETY CONSULTANT	AUTHORITY ENGINEER	PROJECT	DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY	DATE	STATUS	TITLE	DRG. NO.
R02	DEC-20	CHANGE MEDIAN WIDTH	NATIONAL HIGHWAY AND INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED	M/s. Gannon Dunkerley & Company Ltd.	M/s. Ecstatic Engineering Consultants Pvt. Ltd.	Marc Technocrats Private Limited.	G-Engineering Advisory Services Pvt. Ltd.	Voyants Solutions Pvt. Ltd.	FOUR LANE OF JHANJHI TO DEMOW SECTION FROM KM. 491+050 TO 535+250 (DESIGN KM. 490+800 TO KM. 534+800) OF NH-37 IN THE STATE OF ASSAM UNDER SARDP ON ENGINEERING PROCUREMENT & CONSTRUCTION (EPC) MODE.	Mr. DEV	Mr. A.K	Sh. L.K	Sh. A.G	DEC-20	DETAILED DESIGN	TYPICAL CROSS SECTIONS	NHIDCL/GDCL/G-ENG/19038/TCS/03
R01	NOV-20	CHANGE IN TCS-5, 6 & 7A															
R0	MAR-20	FOR APPROVAL															
REV	DATE	DESCRIPTION OF REVISIONS															








S.NO	CHAINAGE
1	500+578

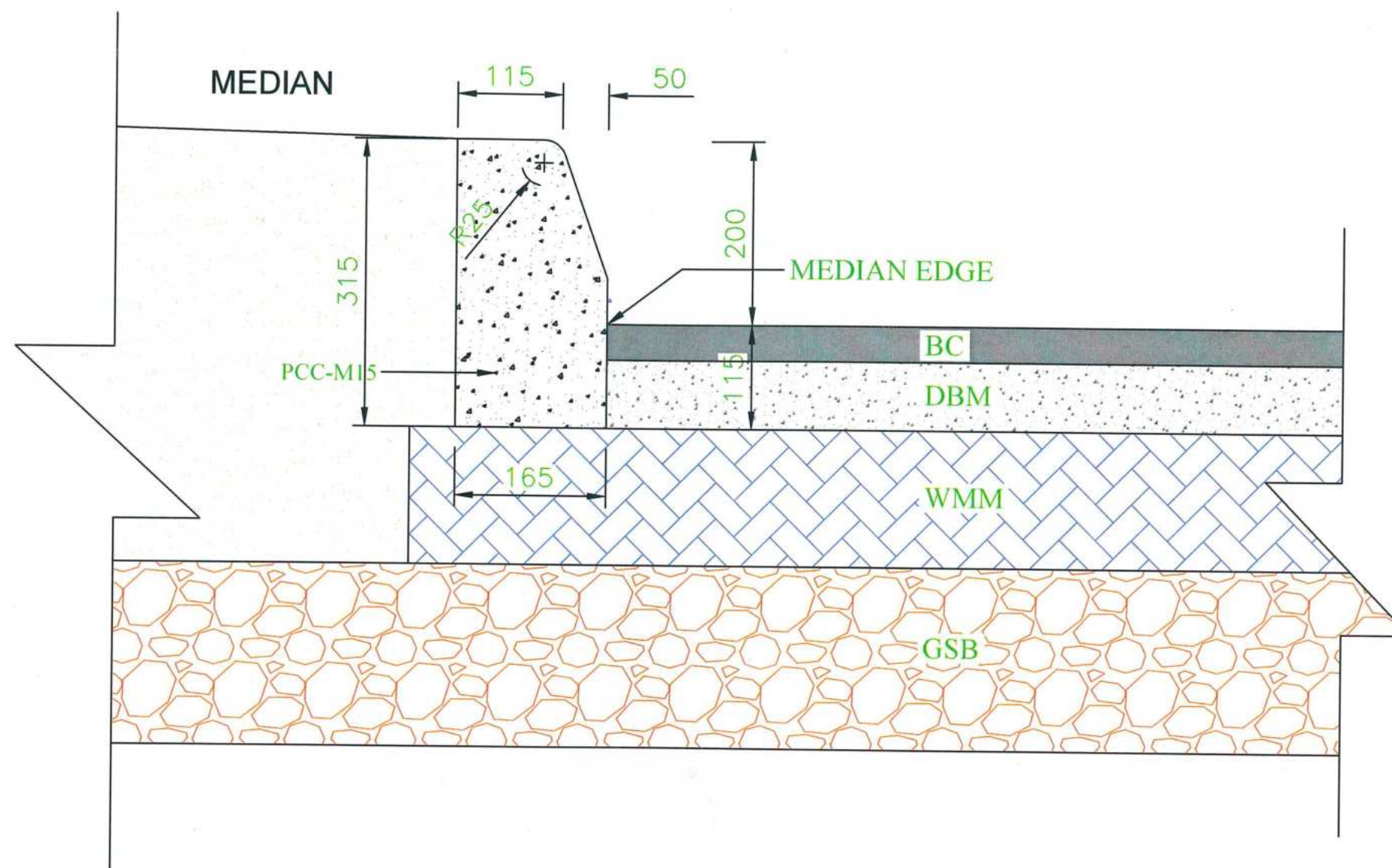


S.NO	CHAINAGE
1	508+454
2	516+938
3	523+271

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

			CLIENT :	 NATIONAL HIGHWAY AND INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED	 M/s Gannon Dunkerley & Company Ltd. Sector-7, Dividing Road (South) Pak, Bahadurgarh, Haryana-124507 Tel. +91-1276-645290 E-mail mcd_rd@rediffmail.com	 M/s Ecstatic Engineering Consultants Pvt Ltd SCO-102, HUDA Shopping Center-55 Gurugram-122011 (HR.) INDIA	 Marc Technocrats Private Limited. Corp. Office-Marc House SCO-1, Sector-6-7, Dividing Road Opp. Devi Lal Park, Bahadurgarh, Haryana-124507 Tel. +91-1276-645290 E-mail mct_rd@rediffmail.com	 G-Engineering Advisory Services Pvt.Ltd. SCO-102 HUDA Shopping Center-55 Gurugram-122011 HR INDIA G-ENG Tel. +91-124-229802, 83 FAX. 124-2392006 E-mail info@g-eng.in web www.g-eng.in	 Voyants Solutions Pvt. Ltd. BIFT Park, Sector, 408, 4th Floor, A, Jai-Hari Vihar, Sector 30, Gurugram, Haryana-122007	PROJECT :	FOUR LANING OF JHANJIHI TO DEMOW SECTION FROM KM. 491+050 TO 535+250 DESIGN PKM. 490+000 TO KM. 534+800) OF NH-37 IN THE STATE OF ASSAM UNDER SARDP ON ENGINEERING PROCUREMENT & CONSTRUCTION (EPC) MODE.	DRAWN BY : Mr. DEV	STATUS :	DETAILED DESIGN	
R02	DEC-20	CHANGE MEDIAN WIDTH								DESIGNED BY : Mr. A K					
R01	NOV-20	CHANGE IN TCS -5.6 & 7A								CHECKED BY : Sh. L.K	TITLE :	TYPICAL CROSS SECTIONS			
R0	MAR-20	FOR APPROVAL								APPROVED BY : Sh. A.G					
REV	DATE	DESCRIPTION OF REVISIONS								DATE:	DEC -20	DRG NO. :	NHIDCL/GDCL/G-ENG/19038/TCS/0		





## TYPICAL KERB DETAILS

REV	DATE	DESCRIPTION OF REVISIONS	CLIENT	EPD CONTRACTOR	DESIGN CONSULTANT	PROJECT CONSULTANT	SAFETY CONSULTANT	AUTHORITY ENGINEER	PROJECT	DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY	DATE	STATUS	TITLE	DRG. NO.
R02	DEC-20	CHANGE MEDIAN WIDTH	NATIONAL HIGHWAY AND INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED	M/s Gannon Dunkerley & Company Ltd.	M/s Ecstatic Engineering Consultants Pvt. Ltd.	Maro Technocrats Private Limited.	G-Engineering Advisory Services Pvt. Ltd.	Volantis Solutions Pvt. Ltd.	FOUR LANE OF JHANJHI TO DEMOW SECTION FROM KM. 491+050 TO 535+250 (DESIGN KM. 490+800 TO KM. 534+800) OF NH-37 IN THE STATE OF ASSAM UNDER SARDP ON ENGINEERING PROCUREMENT & CONSTRUCTION (EPC) MODE.	Mr. DEV	Mr. A. K.	Sh. L. K.	Sh. A. G.	DEC -20	DETAILED DESIGN	TYPICAL DETAILS OF KERB	NHIDCL/GDCL/G-ENG/19038/TCS/06

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