

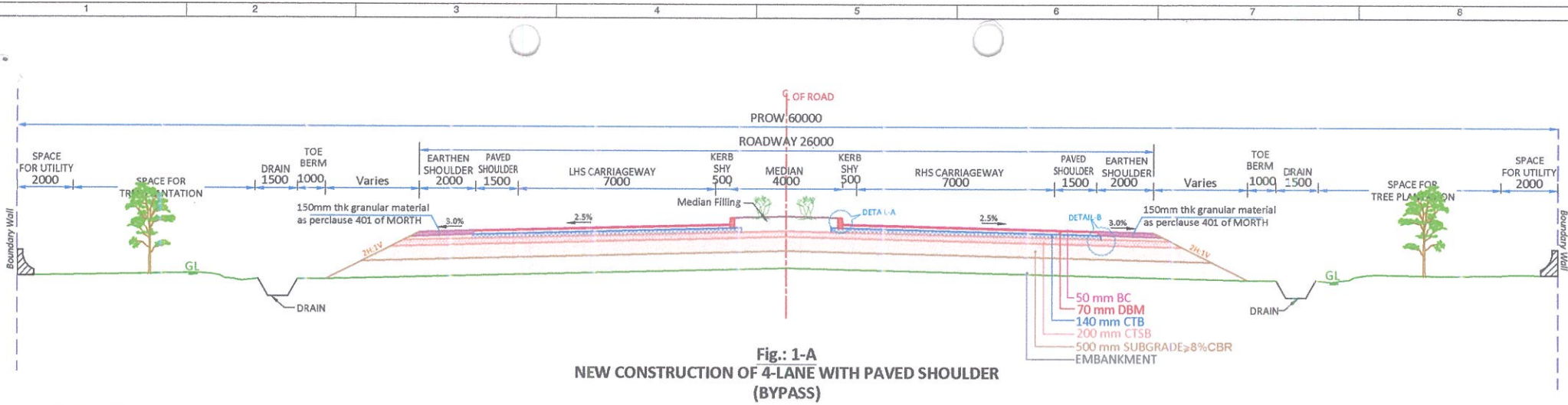


Fig.: 1-A
NEW CONSTRUCTION OF 4-LANE WITH PAVED SHOULDER (BYPASS)

S.no	Design Chainage From	Design Chainage To	Length (Km)	Remark
1	42.00	44.00	2.00	
2	46.90	47.70	0.80	
3	48.40	49.00	0.60	
4	51.10	54.64	3.54	
5	62.00	62.77	0.77	
6	76.20	77.70	1.50	
Total			9.210	

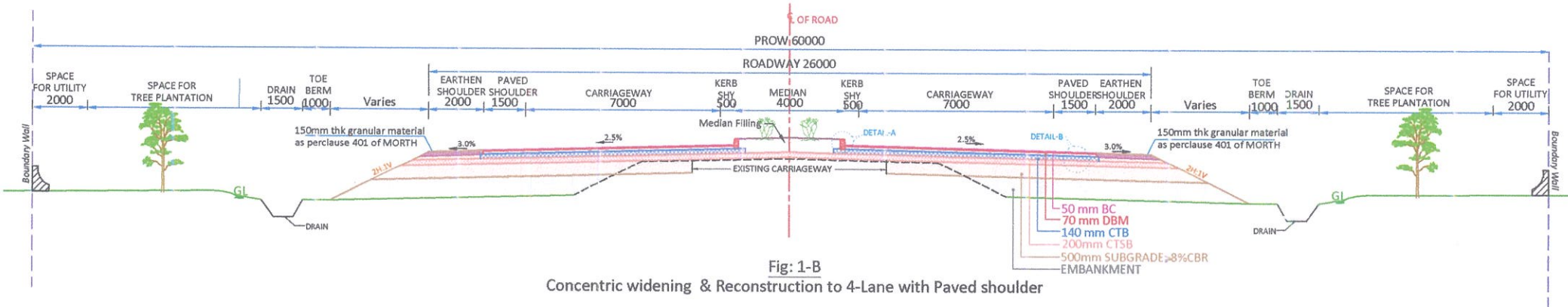


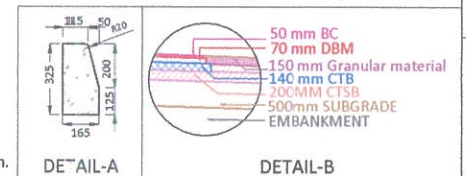
Fig: 1-B
Concentric widening & Reconstruction to 4-Lane with Paved shoulder

S.no	Design Chainage From	Design Chainage To	Length (Km)	Remark
1	68.00	68.70	0.700	
Total			0.700	

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PIU - Meerut

Note :-1. All Dimension are in mm unless & Otherwise Specified.
2. Please Refer IRC:SP-21-2009 Guidelines On Landscaping & Tree Plantation For details of Spacing and Species For Plantation.



REV	DATE	DETAILS OF REVISION	DRAWN	CHECKED	APPROVED
R2	24/06/2022	REVISED FINAL DETAILED PROJECT REPORT	AAK	PUB	MIN
R1	24/06/2022	REVISED FINAL DETAILED PROJECT REPORT	RNG	PUB	MIN
R3	22/11/2017	FINAL DETAILED PROJECT REPORT	AAK	PUB	MIN
KEY					

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DEG. NO.: 376/KJDP/UP/2020/ TYP CS-1
SCALE: -- NTS --
SHEET: 01 OF 08
DATE: 24/06/22
TITLE: Typical Cross Section Fig: 1(A) & 1(B)

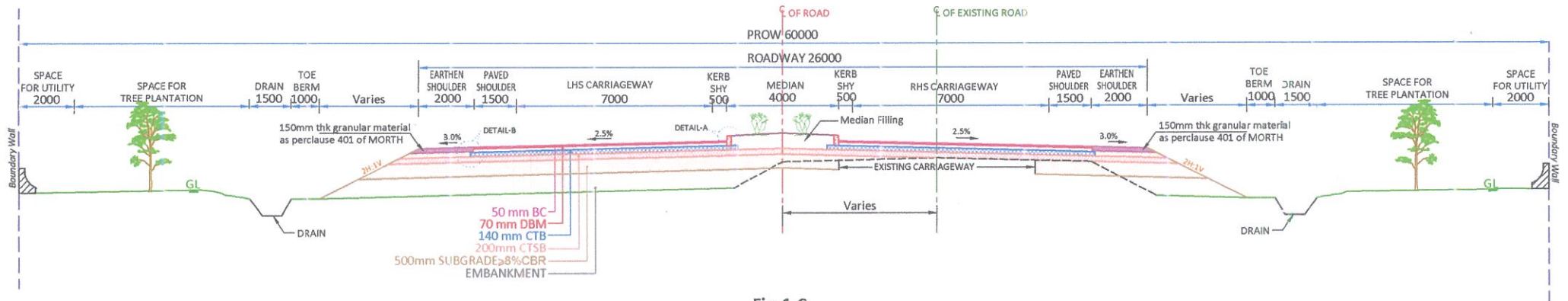


Fig: 1-C
LHS ECCENTRIC WIDENING AND RECONSTRUCTION
TO 4-LANE WITH PAVED SHOULDER

S.no	Design Chainage		Length (Km)	Remark
	From	To		
1	55.70	58.50	2.800	
2	58.70	70.68	1.980	
Total			4.780	

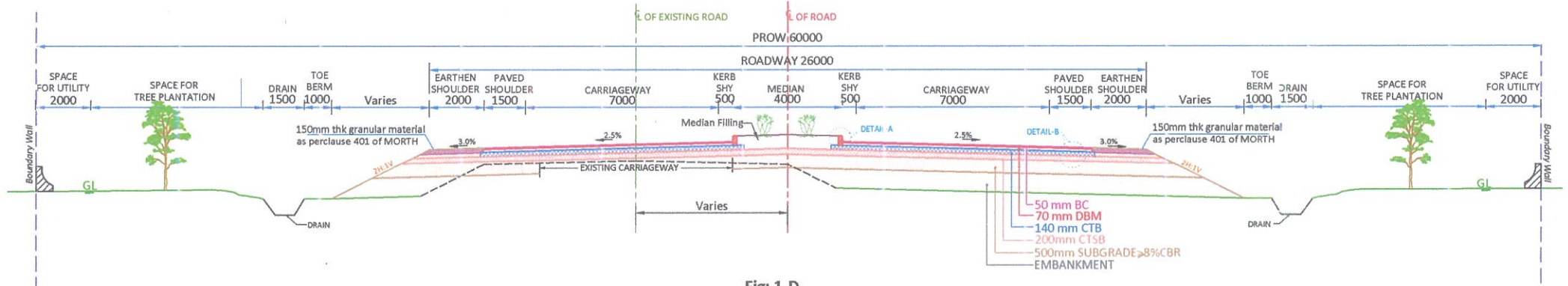
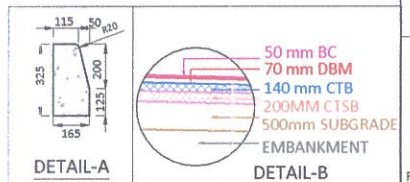


Fig: 1-D
RHS ECCENTRIC WIDENING AND RECONSTRUCTION
TO 4-LANE WITH PAVED SHOULDER

S.no	Design Chainage		Length (Km)	Remark
	From	To		
1	61.40	62.00	0.600	
2	66.40	68.00	1.600	
3	78.70	78.81	0.110	
Total			2.310	

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Note :- 1. All Dimension are in mm unless & Otherwise Specified.
2. Please Refer IRC:SP-21-2009 Guidelines On Landscaping & Tree Plantation For details of Spacing and Species For Plantation.



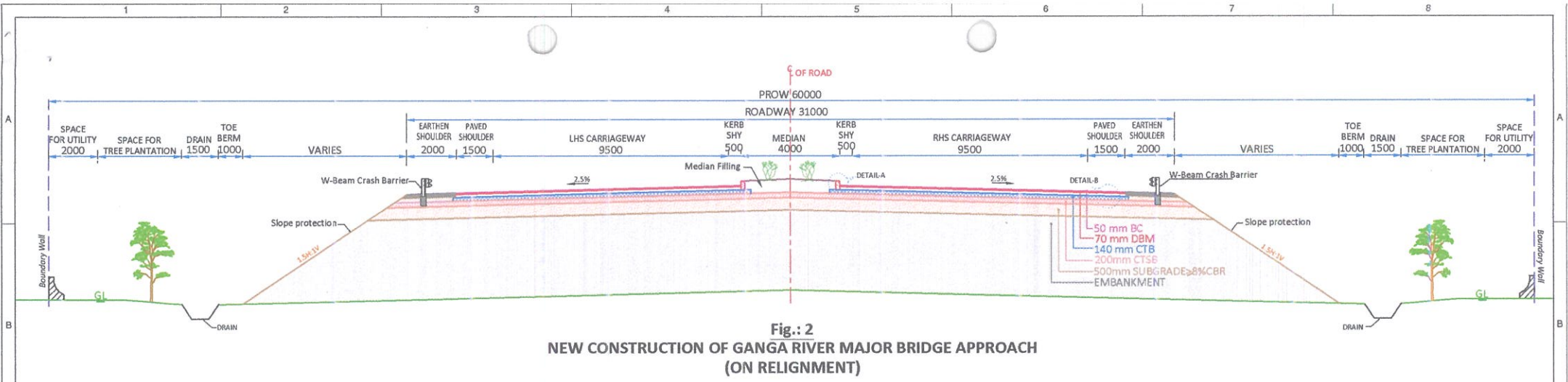
REV	DATE	DETAILS OF REVISION	DRAWN	CHECKED	APPROVED
1					
2					

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Project Implementation Unit, Meerut-200 001

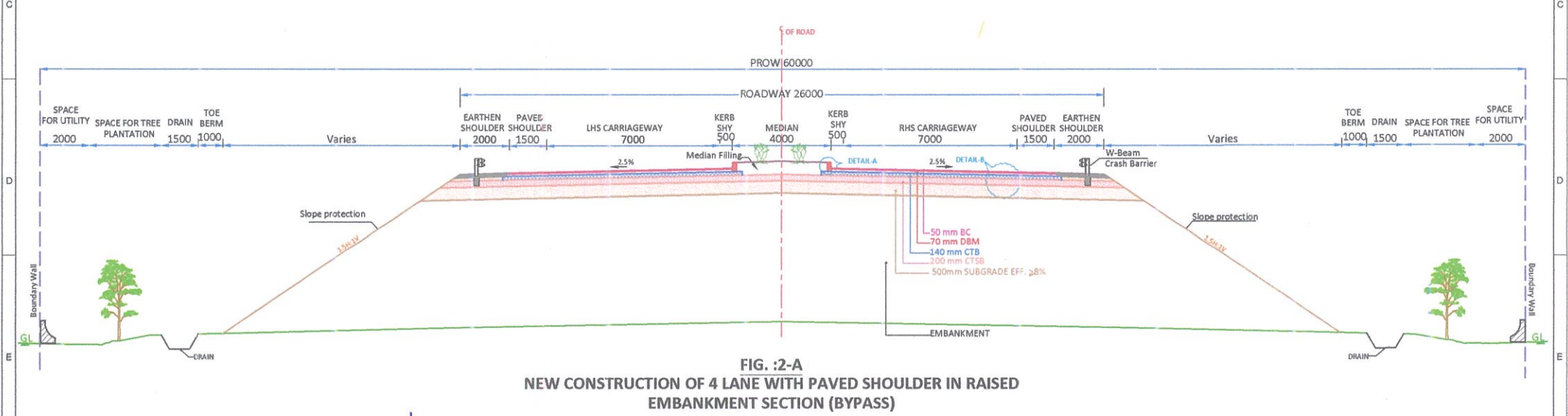
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DRG. NO.: 376(X)/DPR/UP/MN/ TYP/CS-2
SCALE: -- NTS --
SHEET: 02 OF 08
DATE: 24/06/22
TITLE: Typical Cross Section Fig: 1(C) & 1(D)

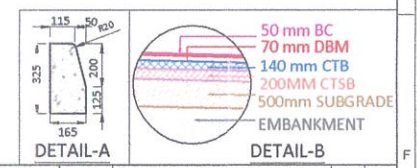


S.no	Design Chainage From	Design Chainage To	Length (Km)	Remark
1	62.77	63.18	0.410	
2	65.97	66.40	0.430	
Total			0.840	



S.no	Design Chainage From	Design Chainage To	Length (Km)	Remark
1	47.70	48.40	0.70	
Total			0.700	

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 Ministry of Road Transport & Highways, Govt of India
 Project Implementation Unit, Meerut



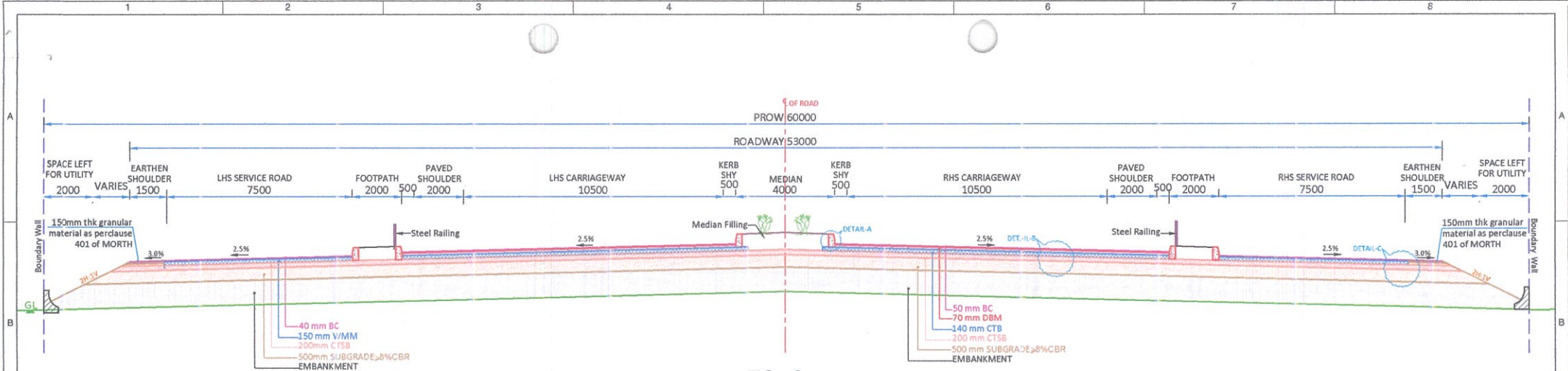


FIG. : 3
NEW CONSTRUCTION OF 6 LANE WITH SERVICE ROAD CONNECTED TO UNDERPASS APPROACHES

S.no	Design Chainage		Length (Km)	Remark
	From	To		
1	40.30	40.90	0.600	
2	44.00	45.00	1.000	
3	50.80	51.10	0.300	
Total			1.900	

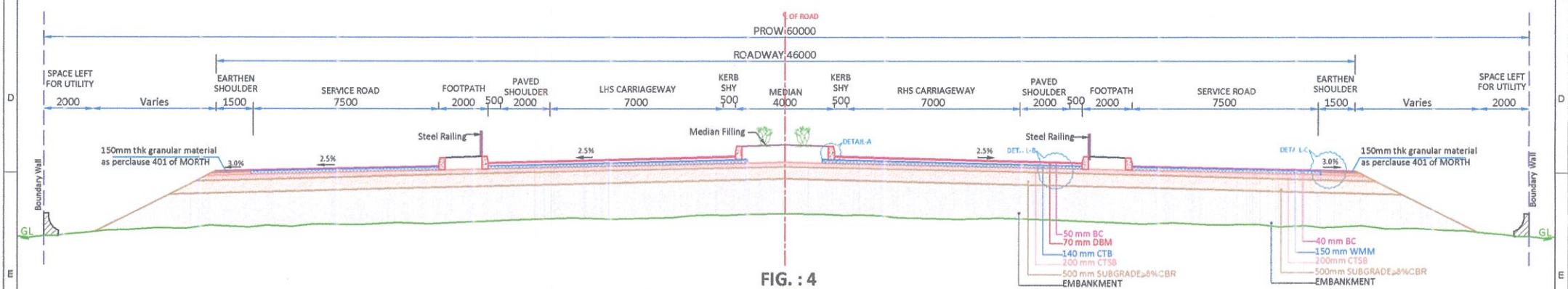


FIG. : 4
NEW CONSTRUCTION OF 4-LANE WITH PAVED SHOULDER & SERVICE ROAD (BYPASS)

S.no	Design Chainage		Length (Km)	Remark
	From	To		
1	74.00	75.35	1.35	
Total			1.350	

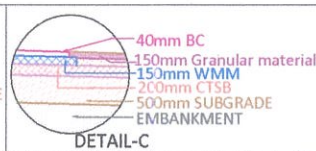
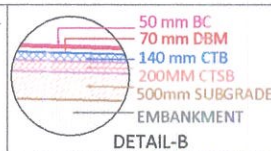
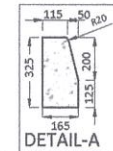
10/1/22
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 National Highways Authority of India

REV	DATE	DETAILS OF REVISION	DRAWN	CHECKED	APPROVED
R1	24/06/2021	REVISED FINAL DETAILED PROJECT REPORT	AAK	PUB	MIN
R2	24/06/2021	REVISED FINAL DETAILED PROJECT REPORT	RNG	PUB	MIN
R3	27/11/2017	FINAL DETAILED PROJECT REPORT	AAK	PUB	MIN

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DRG. NO: 35/KJDP/UP/MN/TP/CS-4
 SCALE: --NTB--
 SHEET: 04 OF 07
 DATE: 24/06/21
 TITLE: Typical Cross Section
 Fig : 03 & 04

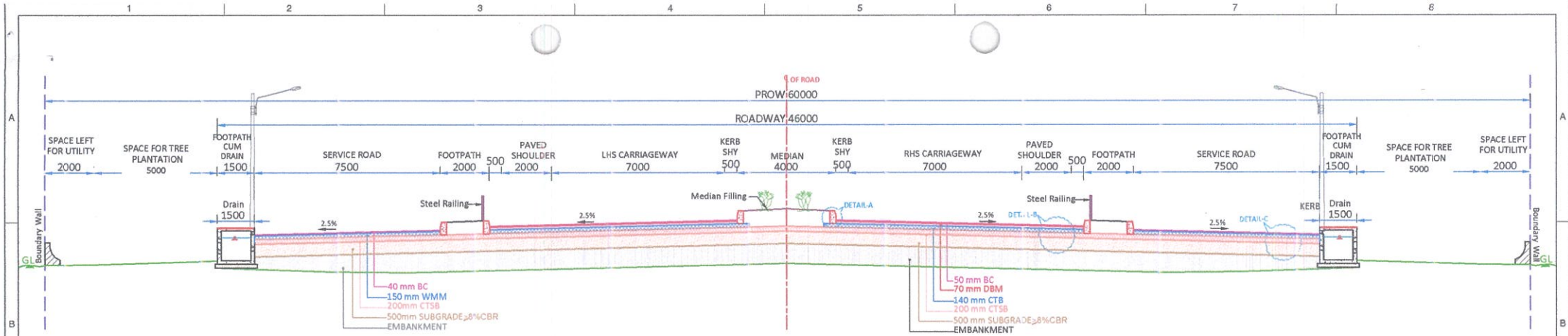


FIG. : 4-A
NEW CONSTRUCTION OF 4-LANE WITH PAVED SHOULDER & SERVICE ROAD IN BUILT-UP

S.no	Design Chainage From	Design Chainage To	Length (Km)	Remark
1	58.50	59.30	0.800	
Total			0.800	

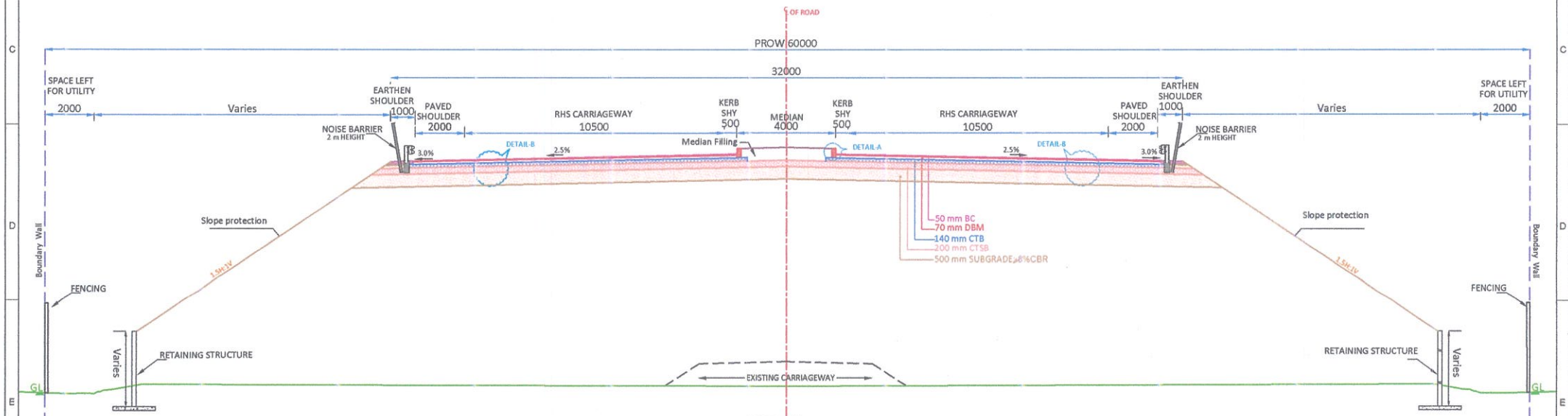


FIG. : 5
NEW CONSTRUCTION OF UNDERPASS APPROACHES WITHOUT SERVICE ROAD (WILD LIFE AREA)

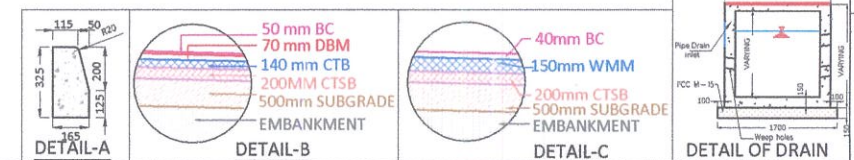
S.no	Design Chainage From	Design Chainage To	Length (Km)	Remark
1	60.220	60.920	0.700	
Total			0.700	

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DRG. NO.: 376/K3/UPR/UP/MH/ TY/CS-5
 SCALE: -- NTS --
 SHEET: 03 OF 06
 DATE: 24/06/22

Typical Cross Section
 Fig : 4-A & 5

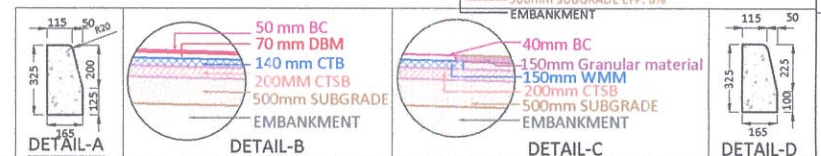
REV	DATE	DETAILS OF REVISION	DRAWN	CHECKED	APPROVED
R2	24/06/2022	REVISED FINAL DETAILED PROJECT REPORT	AAK	PUB	MNU
R1	24/06/2022	REVISED FINAL DETAILED PROJECT REPORT	RNG	PUB	MNU
R0	22/11/2017	FINAL DETAILED PROJECT REPORT	AAK	PUB	MNU

S.no	Design Chainage	Length (Km)	Remark
	From	To	
1	39.250	39.850	0.600
2	45.700	46.300	0.600
3	49.500	50.300	0.800
4	59.300	59.980	0.680
5	70.680	71.000	0.320
Total			3.000

FIG. :5-A
NEW CONSTRUCTION OF UNDERPASS APPROACHES WITH SERVICE ROAD
(ON EXISTING ALIGNMENT)

S.no	Design Chainage	Length (Km)	Remark
	From	To	
1	39.850	40.300	0.450
2	40.900	42.000	1.100
3	45.000	45.700	0.700
4	46.300	46.900	0.600
5	49.000	49.500	0.500
6	50.300	50.800	0.500
7	55.000	55.300	0.300
8	71.000	74.000	3.000
9	75.350	76.200	0.850
10	77.700	78.480	0.780
Total			8.780

FIG. :5-B
NEW CONSTRUCTION OF UNDERPASS APPROACHES
WITH SERVICE ROAD (BYPASS)



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DRG. NO.: 356/KJ/DP/UP/MN/ TYP/CS-4

SCALE: -- NTS -- SHEET: 06 OF 08 DATE: 24/06/22

TITLE: Typical Cross Section Fig : 5(A) & 5(B)

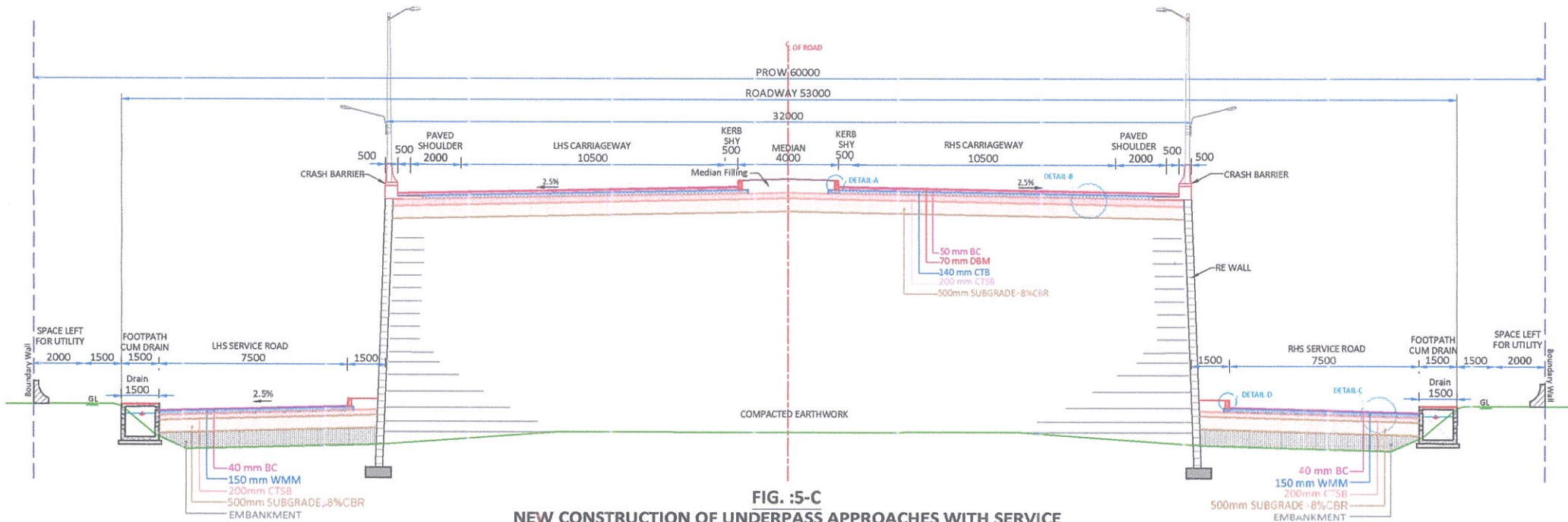


FIG. :5-C
NEW CONSTRUCTION OF UNDERPASS APPROACHES WITH SERVICE ROAD & DRAIN/ FOOTPATH IN BUILT-UP

S.no	Design Chainage	Length (Km)	Remark
	From	To	
1	55.300	55.700	0.400
2	60.920	61.400	0.480
Total			0.880

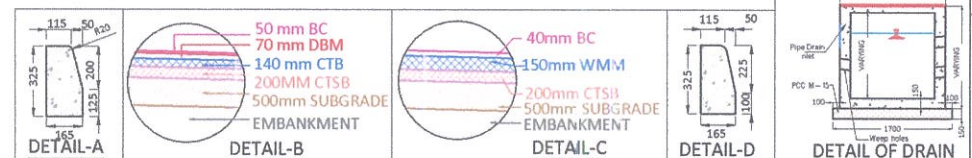
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Project Director

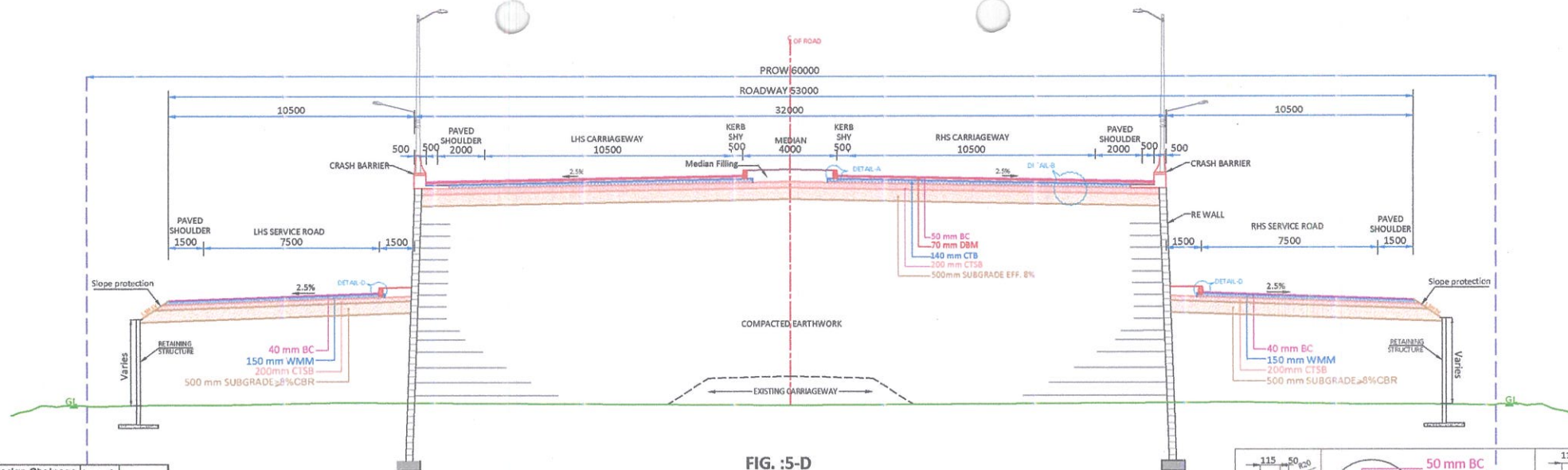
National Highways Authority of India
National Highways Authority of India
Ministry of Road Transport & Highways, Govt of India
Plot No. 1, Sector 1, Connaught Place, New Delhi - 110021

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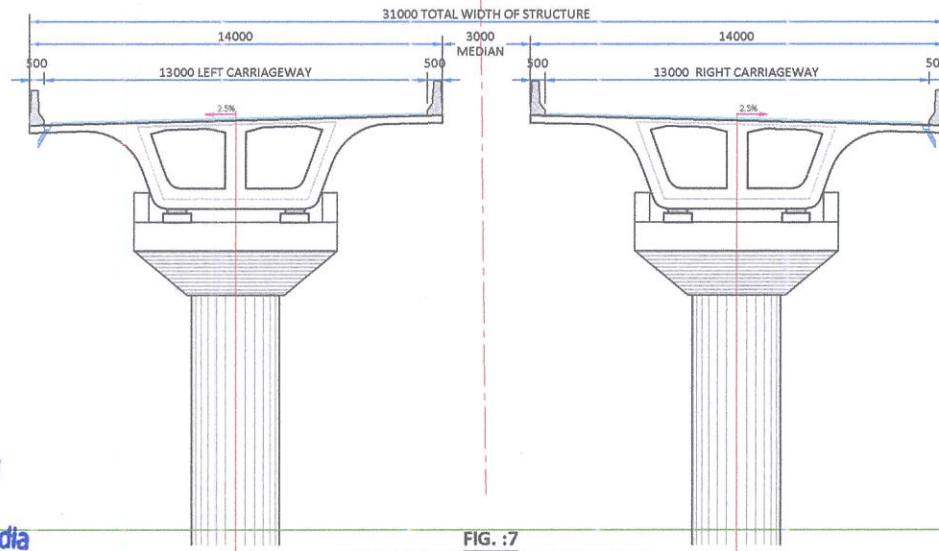
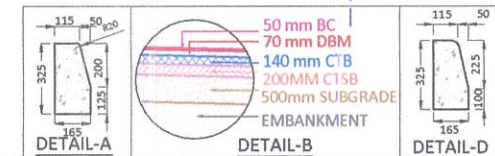
DRG. NO.: 376/30/70PR/UTPM/ TYP CS-7
SCALE: -- NTS --
SHEET: 07 OF 08
DATE: 24/06/22
R 01
TITLE: Typical Cross Section
Fig : 5 (C)





**FIG. :5-D
UNDERPASS APPROACHES WITH SERVICE ROAD & RETAINING WALL
FOR SERVICE ROAD**

S.no	Design Chainage		Length (Km)	Remark
	From	To		
1	54.64	55.00	0.360	
2	59.98	60.22	0.240	
3	78.48	78.70	0.220	
Total			0.820	



**FIG. :7
GANGA RIVER BARRAGE & VIADUCT**

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Project Director
National Highways Authority of India
PIU - Meerut

S.no	Design Chainage		Length (Km)	Remark
	From	To		
1	63.180	65.970	2.790	
Total			2.790	

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NATIONAL HIGHWAYS AUTHORITY OF INDIA (Ministry of Road Transport & Highways, Govt. of India) Project Implementation Unit, Meerut - 200 001		K & J Projects Pvt. Ltd. Shivam, 16 NIT Layout, Ravinagar, Nagpur - 440 033 Maharashtra, India. Ph: (0712) 2556402, Fax: 2556403 Email: contact@kjprojects.com		Consultancy Services for Preparation of Detailed Project Report (DPR) for Meerut-Nazibabad Section Of National Highway 119 in the State of Uttar Pradesh under NHDP-I. Package II- Starts from Jhunjhuni at Km 39.165(Ex. km. 39+240), and End at Km. 78.635 (Ex. Km. 86+590) (At Proposed Bijnor Bypass End) of NH-119. Design Length-39.570 km		376/K/TPR/UP/MN/ TYP/CS-8		01	
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DRAWN		CHECKED		APPROVED		DATE:24/06/22		08 OF 08	
1		2		3		4		5	
1		2		3		4		5	

Typical Cross Section
Fig : 5 (D) & 7