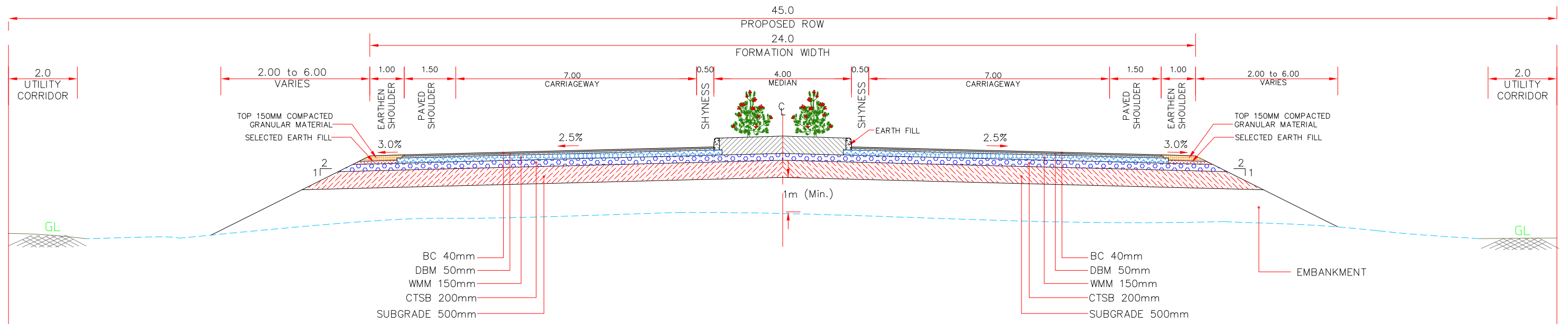
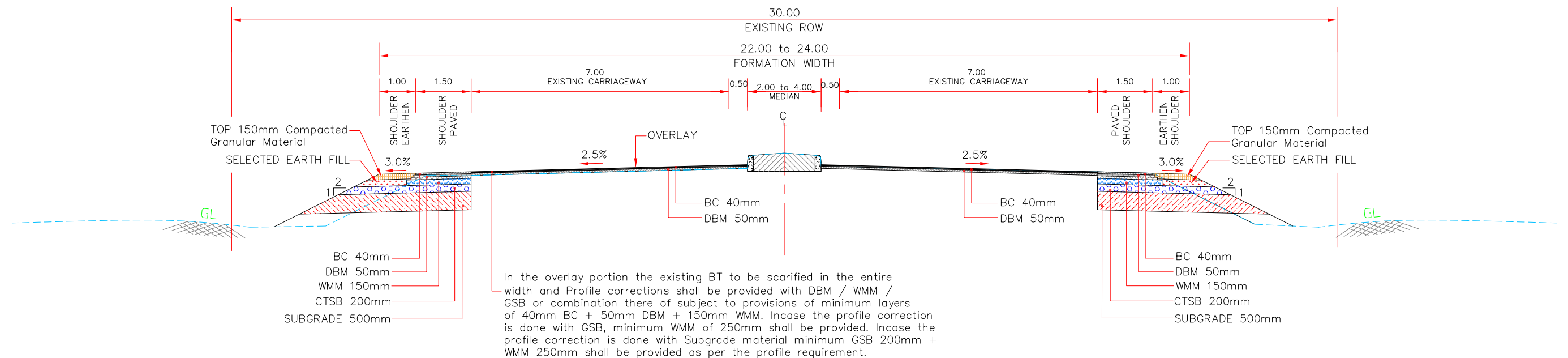




TYPICAL CROSS SECTION - TYPE-1
NEW CONSTRUCTION OF 4 LANE DIVIDED CARRIAGEWAY
(OPEN COUNTRY PLAIN/ROLLING TERRAIN)

Sl. No	Design Chainage		Length (m)	TCS TYPE	Remarks
	From	To			
1	70	745	675	TCS-1	<3m embankment
2	2510	3680	1170	TCS-1	<3m embankment
3	3710	3890	180	TCS-1	<3m embankment
4	8180	8280	100	TCS-1	<3m embankment
5	8940	9525	585	TCS-1	<3m embankment
6	10130	11275	1145	TCS-1	<3m embankment
7	12600	12900	300	TCS-1	<3m embankment
Total Length (m)			4155		

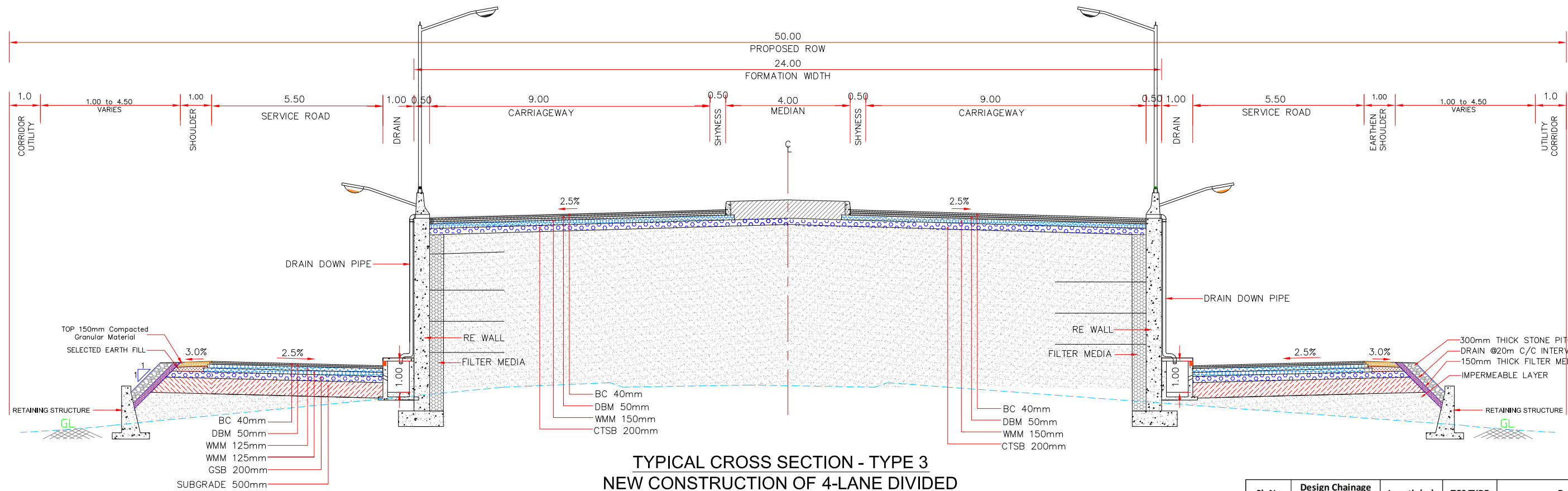


TYPICAL CROSS SECTION - TYPE-2
WIDENING OF 4 LANE DIVIDED CARRIAGEWAY FOR OVERLAY
(OPEN COUNTRY PLAIN/ROLLING TERRAIN)

Sl. No	Design Chainage		Length (m)	TCS TYPE	Remarks
	From	To			
1	0	70	70	TCS-2	Overlay
Total Length (m)			70		

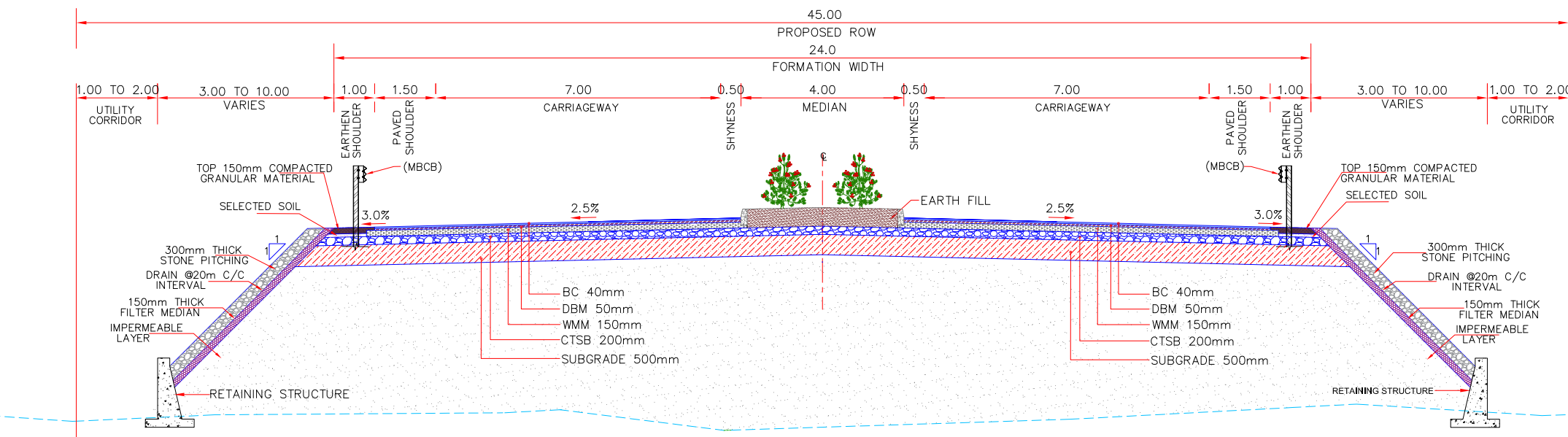
NOTE : 1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE SPECIFIED

						Client:		Consultant:		Project:		Title:			
						PWD- National Highways,		INDIAN TECHNOCRAT LIMITED		Construction of Bypass to the Holenarasipura Town from Km 87.280		TYPICAL CROSS SECTION			
						Hassan Division		In Association with		(near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the		(TYPE 1 & 2)			
						(Government of Karnataka)		Vistaara Infra Consultants		State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24		DRG. NO. 23-102/ITL/NH373/HNP/HW/TCS-01			
								New Delhi - 110 070, Ph. : 011-49531100,				DATE: 03.01.2024		SCALE:	
								Email: info@itl.net.in				SHEET NO:		REV : R0	
												DESIGN		DRAWN	
												RC		YS	
												CHECKED		APPROVED	
												AB		SA	



TYPICAL CROSS SECTION - TYPE 3
NEW CONSTRUCTION OF 4-LANE DIVIDED
CARRIAGEWAY WITH BOTH SIDE SERVICE ROAD AT
VUP/LVUP APPROACH STRUCTURE
(OPEN COUNTRY PLAIN/ROLLING TERRAIN)

Sl. No	Design Chainage		Length (m)	TCS TYPE	Remarks
	From	To			
1	4200	5720	1520	TCS-3	Toe Wall length of 230m shall be provided on Both side
2	8280	8830	550	TCS-3	Toe Wall length of 60m shall be provided on Both side
3	11640	12600	960	TCS-3	Toe Wall length of 110m shall be provided on Both side
Total Length (m)			3030		



TYPICAL CROSS SECTION - TYPE 4
NEW CONSTRUCTION OF 4 LANE CARRIAGE WAY WITH PAVED SHOULDER WITH TOE WALL
- HIGH EMBANKMENT (MORE THEN 3m)
(OPEN COUNTRY PLAIN/ROLLING TERRAIN)

Sl. No	Design Chainage		Length (m)	TCS TYPE	Remarks
	From	To			
1	745	1100	355	TCS-4	
2	1160	1614	454	TCS-4	Toe Wall Length of 310m & Retaining Structure length of 170m shall be provided on Both sides
3	1894	2510	616	TCS-4	
4	3680	3710	30	TCS-4	
5	5720	6560	840	TCS-4	Toe Wall Length of 343m & Retaining Structure length of 468m shall be provided on Both sides
6	6740	8180	1440	TCS-4	Toe Wall Length of 573m & Retaining Structure length of 1138m shall be provided on Both sides
7	8830	8940	110	TCS-4	
8	9525	10130	605	TCS-4	
9	11275	11640	365	TCS-4	
Total Length (m)			4815		

NOTE : 1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE SPECIFIED

* With in PROW up to 3m provide Toe wall otherwise provide Retaining Structure

NO.	DATE	REVISION/PURPOSE	DRAWN	CHECKED	APPROVED
RO	03.01.24	INITIAL SUBMISSION			

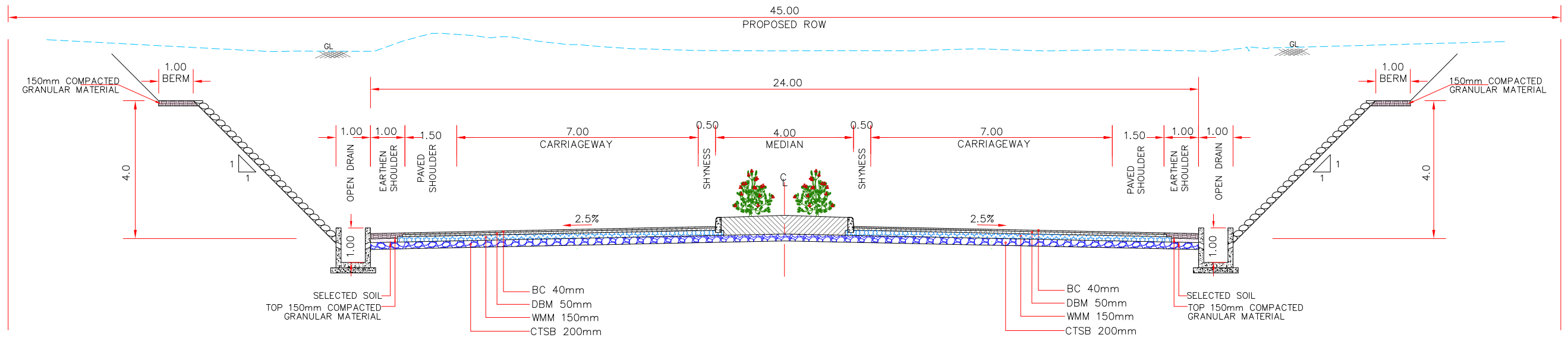
Client:
PWD- National Highways,
 Hassan Division
 (Government of Karnataka)

Consultant:
INDIAN TECHNOCRAT LIMITED
 In Association with
 Vistaara Infra Consultants
 New Delhi - 110 070, Ph. : 011-49531100,
 Email: info@itl.net.in



Project:
 Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: TYPICAL CROSS SECTION (TYPE 3 & 4)			
DRG. NO. 23-102/ITL/NH373/HNP/HW/TCS-02			
DATE: 03.01.2024	SCALE:	SHEET NO:	REV : R0
DESIGN RC	DRAWN JS	CHECKED AB	APPROVED SA



TYPICAL CROSS SECTION - TYPE 5
NEW CONSTRUCTION OF 4 LANE DIVIDED CARRIAGEWAY FOR CUTTING SECTION
(OPEN COUNTRY PLAIN/ROLLING TERRAIN)

Sl. No	Design Chainage		Length (m)	TCS TYPE	Remarks
	From	To			
1	3890	4200	310	TCS-5	Cutting section
2	6560	6740	180	TCS-5	Cutting section
Total Length (m)			490		

NOTE : 1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE SPECIFIED

						Client:		Consultant:		Project:		Title: TYPICAL CROSS SECTION (TYPE 5)			
						PWD- National Highways,		INDIAN TECHNOCRAT LIMITED		Construction of Bypass to the Holenarasipura Town from Km 87.280		DRG. NO. 23-102/ITL/NH373/HNP/HW/TCS-03			
						Hassan Division		In Association with		(near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the		DATE: 03.01.2024			
						(Government of Karnataka)		Vistaara Infra Consultants		State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24		SCALE:			
								New Delhi - 110 070, Ph. : 011-49531100,				SHEET NO:			
								Email: info@itl.net.in				REV : R0			
												DESIGN			
												DRAWN			
												CHECKED			
												APPROVED			