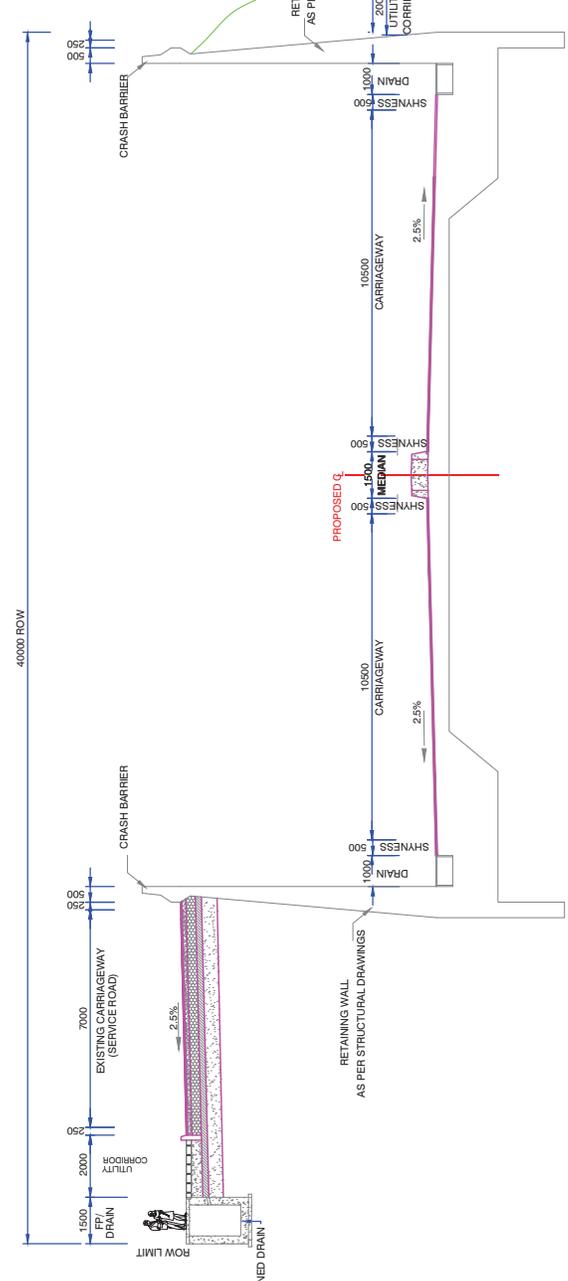


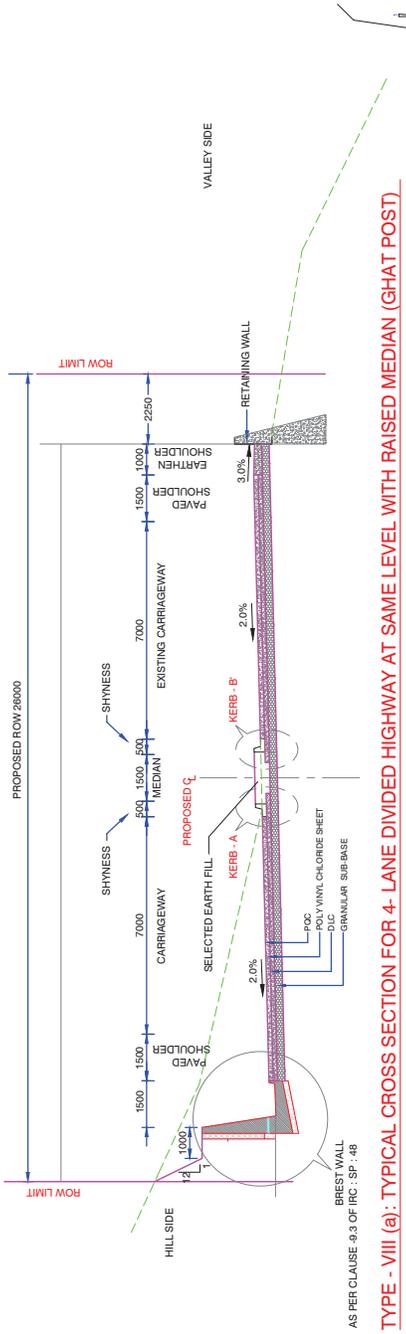
TYPE - VI : TYPICAL CROSS SECTION FOR APPROACHES TO 6-LANE PUP, LVUP, VUP & FLYOVER WITH SLIP ROADS ON BOTH SIDES (45m PROW)



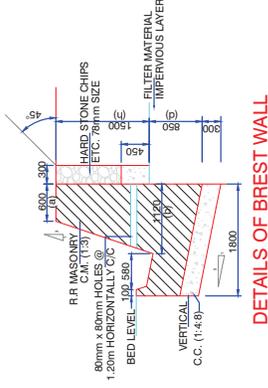
TYPE - VII: TYPICAL CROSS SECTION FOR APPROACHES TO 6-LANE VOP WITH SLIP ROADS ON BOTH SIDES

NOTE: ALL DIMENSIONS ARE IN MM

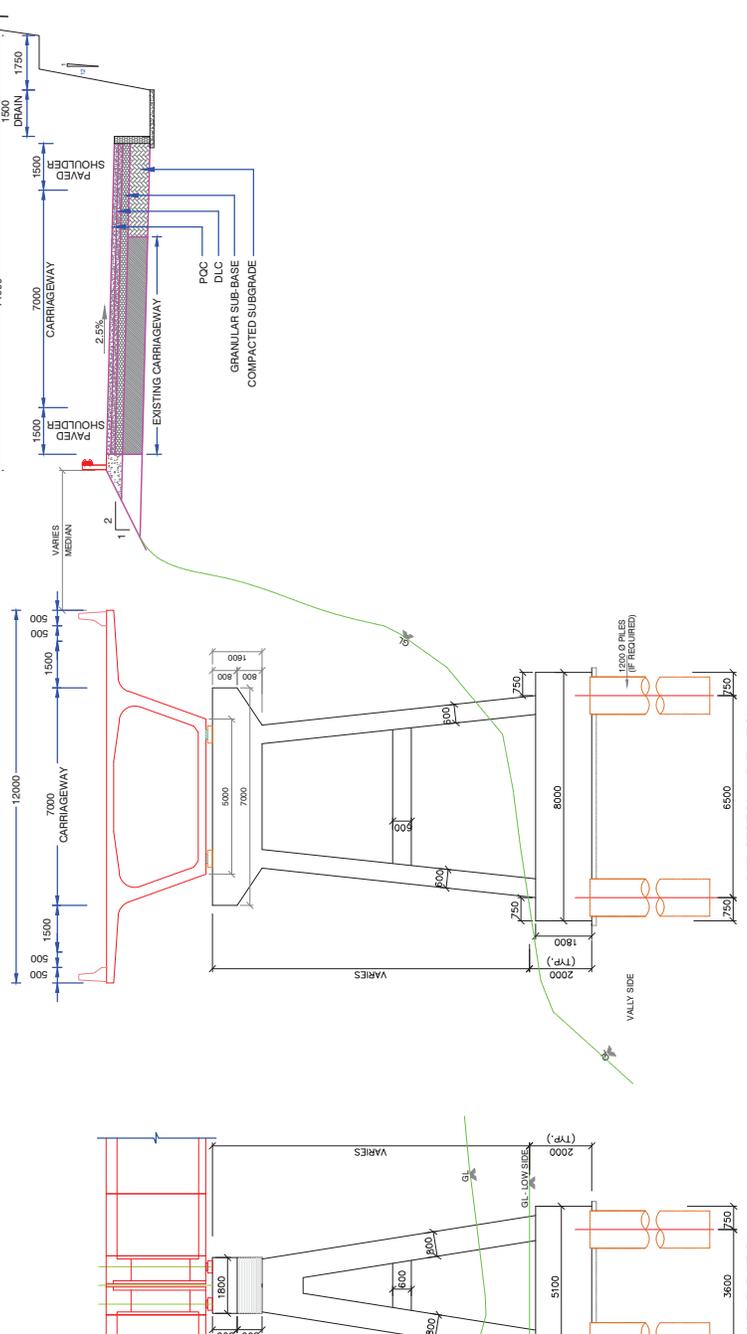
DESIGNED BY G.KRISHNA	DRAWN BY M.P.SARMA	CHECKED BY P. SRINIVASA RAO	APPROVED BY S.S.REDDY	DATE 06-02-2016	SCALE NOT TO SCALE	DESIGN: aavee associates architects, engineers & consultants Pvt Ltd Revilla Residency, Sirugupeta Colony Main Rd, Hyderabad-502, India Tel: +91-40-93737633; Fax: +91-40-93736877 e-mail: aavee@aavee.net; web:www.aavee.net	CLIENT: GOVERNMENT OF ANDHRA PRADESH	PROJECT: FOUR LANNING OF EXISTING GOA/KARNATAKA BORDER-PANAJI GOA SECTION OF NH-4A FROM KM.84/000 TO 153/075 IN THE STATE OF GOA ON BOT (TOLL) BASIS UNDER NHDP-III (ANMOD TO PANAJI SECTION)
REVISION NO	DATE	DESCRIPTION						
R1	10-08-15	WITH RIGID PAYMENT OPTION AS PER CLIENT						
R0	10-07-15	INITIAL SUBMISSION WITH FLEXIBLE PAYMENT OPTION						
TYPICAL CROSS SECTIONS								
DRG. NO. NH-4A / GOA / MSC / TCS / 03								



TYPE - VIII (a): TYPICAL CROSS SECTION FOR 4- LANE DIVIDED HIGHWAY AT SAME LEVEL WITH RAISED MEDIAN (GHAT POST)



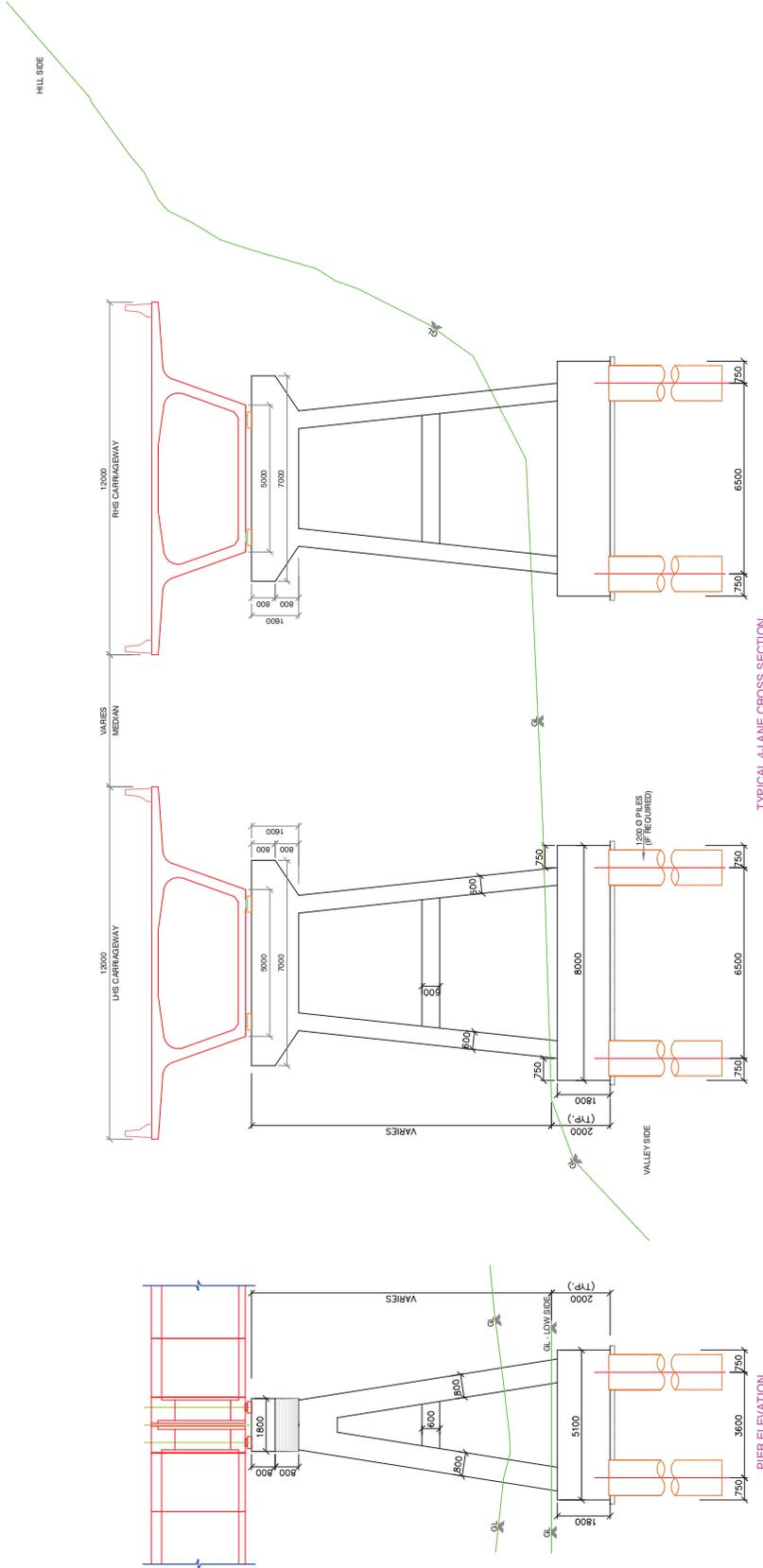
DETAILS OF BREAST WALL



TYPE - VIII (b): TYPICAL CROSS SECTION FOR 4- LANE DIVIDED HIGHWAY WITH 2-LANE ELEVATED STRUCTURE (GHAT PORTION)

NOTE: ALL DIMENSIONS ARE IN MM

DESIGNED BY G.KRISHNA	DRAWN BY M.P.SARMA	CHECKED BY P. SRINIVASA RAO	APPROVED BY S.S.REDDY	DATE 06-02-2016	SCALE NOT TO SCALE	DESIGN: aavee associates architects engineers & consultants Pvt Ltd Rawla Residency, Sirgaon, Colony Main, Bot, Hyderabad-502, India Tel: +91 -40-93737633; Fax: +91 -4033736977 e-mail: aavee@aavee.net; web:www.aavee.net	CLIENT: GOVERNMENT OF GOA	PROJECT: FOUR LANNING OF EXISTING GOA/KARNATAKA BORDER-PANAJI GOA SECTION OF NH-4A FROM KM.84/000 TO 153/075 IN THE STATE OF GOA ON BOT (TOLL) BASIS UNDER NHDP-III (ANMOD TO PANAJI SECTION)
REVISION NO	DATE	DESCRIPTION	REVISED BY					TITLE: TYPICAL CROSS SECTIONS
R1	10-08-15	WITH RIGID PAYMENT OPTION AS PER CLIENT						
R0	10-07-15	INITIAL SUBMISSION WITH FLEXIBLE PAYMENT OPTION						



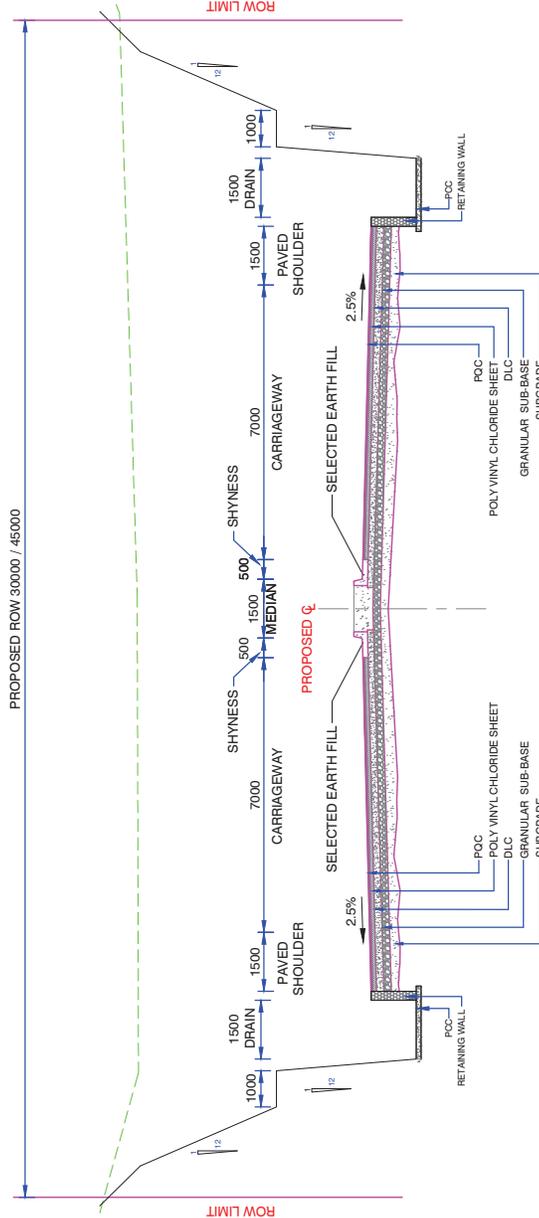
TYPICAL 4-LANE CROSS SECTION

PIER ELEVATION

TYPE - VIII (c): TYPICAL CROSS SECTION FOR 4- LANE DIVIDED HIGHWAY WITH 4-LANE ELEVATED STRUCTURE (GHAT PORTION)

NOTE:
ALL DIMENSIONS ARE IN MM

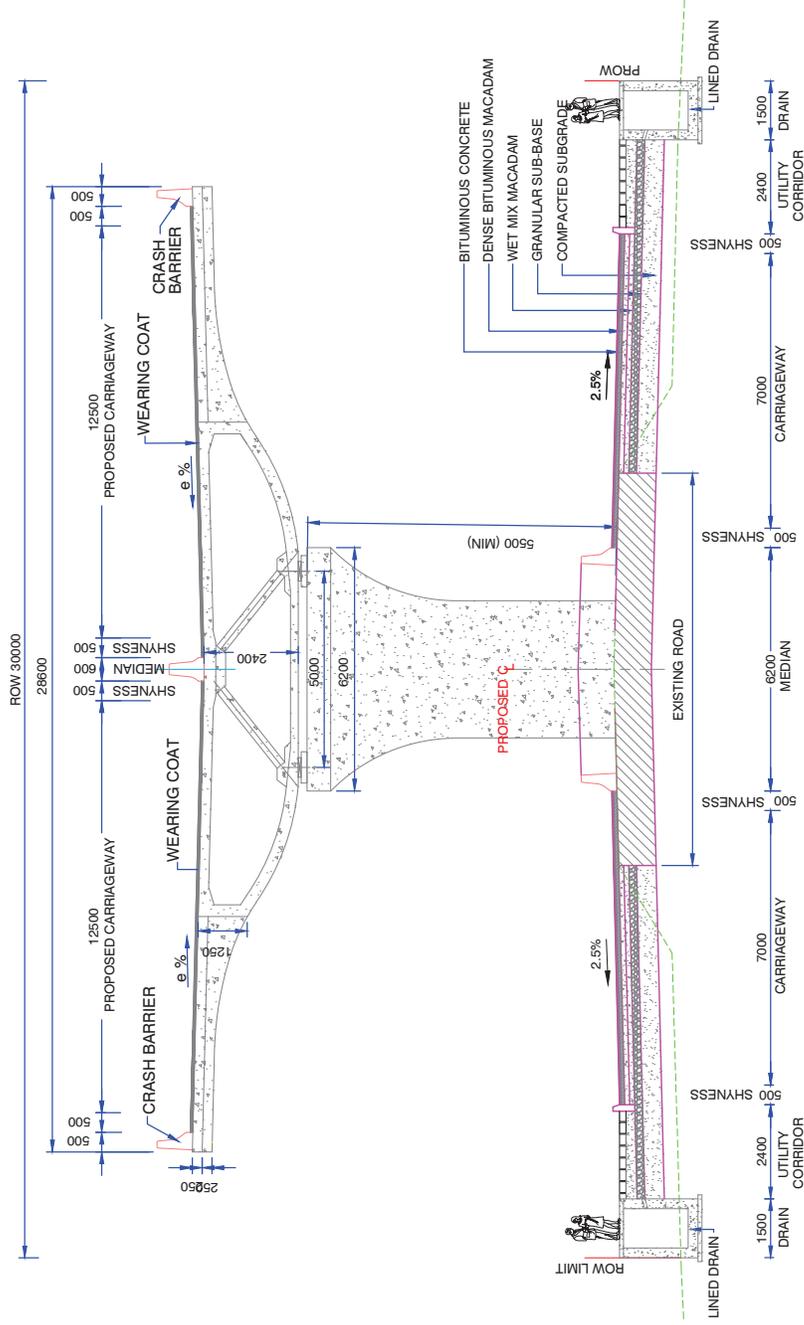
DESIGNED BY G.KRISHNA	DRAWN BY M.P.SARMA	CHECKED BY P. SRINIVASA RAO	APPROVED BY S.S.REDDY	DATE 06-02-2016	SCALE NOT TO SCALE	DESIGN: aaivee associates architects engineers & consultants Pvt.ltd Rawla Residency, Singapur Colony Main Rd, Hyderabad-502, India Tel: +91 -40-93737633; Fax: +91 -4093736877 e-mail: aaivee@aaivee.net; web:www.aaivee.net	CLIENT: GOVERNMENT OF GOA	PROJECT: FOUR LANNING OF EXISTING GOA/KARNATAKA BORDER-PANAJI GOA SECTION OF NH-4A FROM KM.84/000 TO 153/075 IN THE STATE OF GOA ON BOT (TOLL) BASIS UNDER NHDP-III (ANMOD TO PANAJI SECTION)
REVISION NO	DATE	DESCRIPTION	REVISED BY					TITLE: TYPICAL CROSS SECTIONS
R1	10-08-15	WITH RIGID PAYMENT OPTION AS PER CLIENT						
R0	10-07-15	INITIAL SUBMISSION WITH FLEXIBLE PAYMENT OPTION						



TYPE - IX : TYPICAL CROSS SECTION FOR 4- LANE HIGHWAY AT CUT SECTION (GHAT PORTION)

NOTE:
ALL DIMENSIONS ARE IN MM

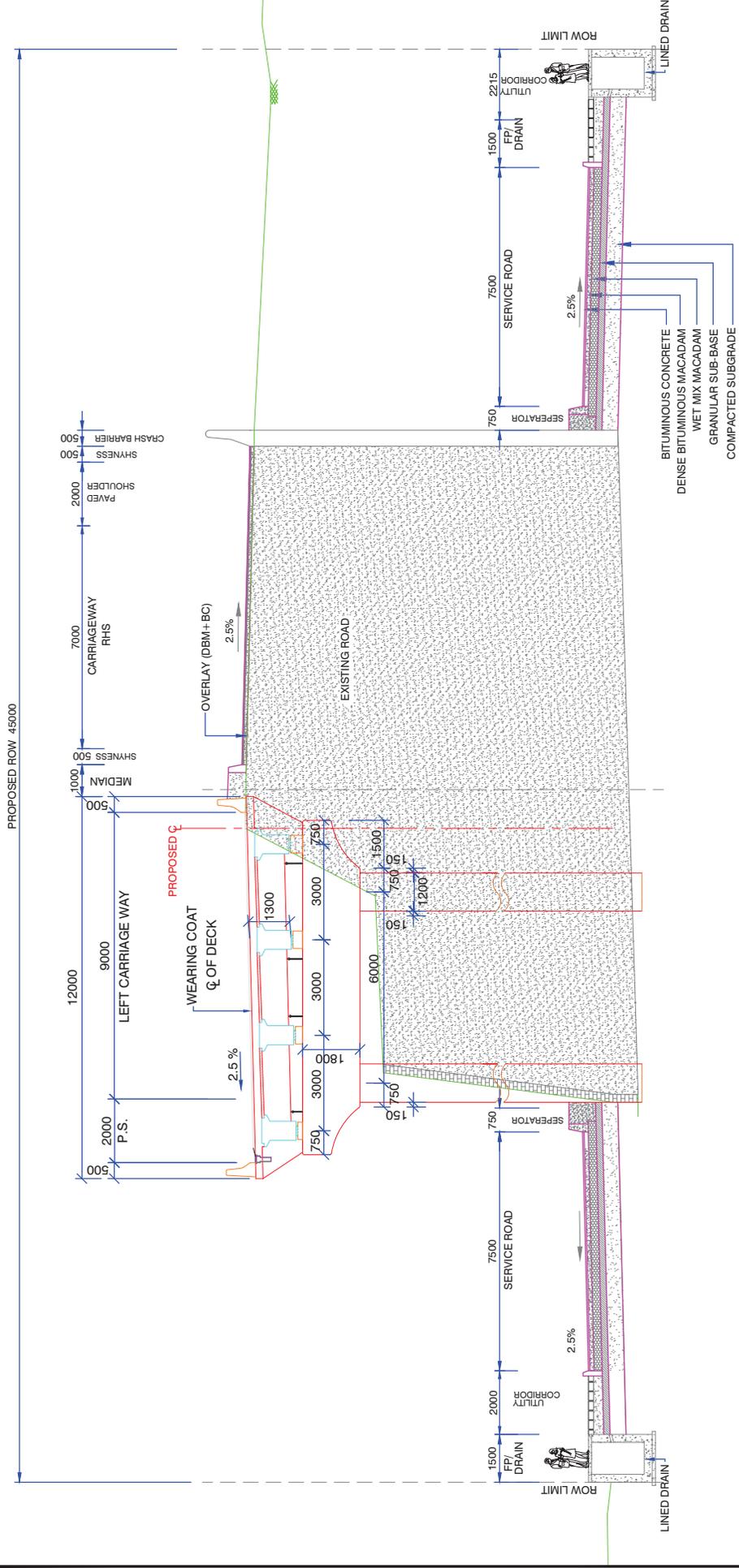
DESIGNED BY G. KRISHNA		DRAWN BY M.P. SARMA		CHECKED BY P. SRINIVASA RAO		APPROVED BY S.S. REDDY		DATE 06-02-2016		SCALE: NOT TO SCALE		DESIGN: aarvee associates architects engineers & consultants pvt.ltd Ravula Residency, Singar Colony Main Rd, Hyderabad-52, India Tel: + 91 -40-93737633; Fax: + 91 -4033736877 e-mail: aarvee@aarvee.net; web: www.aarvee.net		CLIENT: GOVERNMENT OF GOA		PROJECT: FOUR LANNING OF EXISTING GOA/KARNATAKA BORDER-PANAJI GOA SECTION OF NH-4A FROM KM:84/000 TO 153/075 IN THE STATE OF GOA ON BOT (TOLL) BASIS UNDER NHDP-III (ANMOD TO PANAJI SECTION)	
REVISION NO		DATE		DESCRIPTION		REVISED BY								TITLE: TYPICAL CROSS SECTIONS			
R1		10-08-15		WITH RIGID PAYMENT OPTION AS PER CLIENT													
R0		10-07-15		INITIAL SUBMISSION WITH FLEXIBLE PAYMENT OPTION										DRG. NO. NH-4A / GOA / MISC / TCS / 06			



TYPE - X : TYPICAL CROSS SECTION FOR FOUR LANE WITH ELEVATED CORRIDOR

NOTE :
ALL DIMENSIONS ARE IN MM

DESIGNED BY		DRAWN BY		CHECKED BY		APPROVED BY		DATE		SCALE:		DESIGN:		CLIENT:		PROJECT:	
G.KRISHNA		M.P. SARMA		P. SARMA		S.S. REDDY		06-02-2016		NOT TO SCALE		 aarvee associates architects engineers & consultants pvt.ltd Ravula Residency, Singar Colony Main Rd, Hyderabad-52, India Tel: +91-40-93737633; Fax: +91-4033236877 e-mail: aarvee@aarvee.net; web: www.aarvee.net		 GOVERNMENT OF INDIA ROAD & METALS DEPARTMENT		FOUR LANNING OF EXISTING GOA/KARNATAKA BORDER-PANAJI GOA SECTION OF NH-4A FROM KM:84/000 TO 153/075 IN THE STATE OF GOA ON BOT (TOLL) BASIS UNDER NHDP-III (ANMOD TO PANAJI SECTION)	
REVISION NO		DATE		DESCRIPTION		REVISED BY										TITLE :	
R1		10-08-15		WITH RIGID PAYMENT OPTION AS PER CLIENT												TYPICAL CROSS SECTIONS	
R0		10-07-15		INITIAL SUBMISSION WITH FLEXIBLE PAYMENT OPTION												(DRG. NO. NH-4A / GOA / MISC / TCS / 07	



TYPE - XI : TYPICAL CROSS SECTION FOR FOUR LANE AT EXISTING DIFFERENTIAL CARRIAGEWAY

NOTE:
ALL DIMENSIONS ARE IN MM

DESIGNED BY G.KRISHNA	DRAWN BY M.P. SARMA	CHECKED BY P. SRINIVASA RAO	APPROVED BY S.S. REDDY	DATE 06-02-2016	SCALE: NOT TO SCALE	DESIGN: aarvee associates architects engineers & consultants pvt.ltd Ravula Residency, Singara Colony Main Rd, Hyderabad-52, India Tel: +91-40-93737633; Fax: +91-40-93736877 e-mail: aarvee@aarvee.net, web: www.aarvee.net	CLIENT: GOVERNMENT OF GOA	PROJECT: FOUR LANNING OF EXISTING GOA/KARNATAKA BORDER-PANAJI GOA SECTION OF NH-4A FROM KM:84/000 TO 153/075 IN THE STATE OF GOA ON BOT (TOLL) BASIS UNDER NHDP-III (ANMOD TO PANAJI SECTION)
REVISION NO	DATE	DESCRIPTION	REVISED BY					TITLE: TYPICAL CROSS SECTIONS
R1	10-08-15	WITH RIGID PAYMENT OPTION AS PER CLIENT						
R0	10-07-15	INITIAL SUBMISSION WITH FLEXIBLE PAYMENT OPTION						