

TABLE (TO TIKAR)

LOCATION	PIER CHARGE	F.R.L.	TOP OF PIER CAP/ABUTMENT CAP	BOTTOM OF PIER CAP/ABUTMENT CAP	GROUND LEVEL	TOP OF PILE CAP	BOTTOM OF PILE CAP
APL1	0+577.911	60.121	58.371	56.771	49.383	48.863	48.863
APL2	0+580.911	59.888	58.138	56.538	49.273	48.753	48.753
APL3	0+585.911	59.485	57.735	56.135	49.182	48.662	48.662
APL4	0+585.911	58.492	56.742	55.142	48.811	48.291	48.291
APL5	0+585.911	57.493	55.743	54.143	48.004	47.484	47.484
APL6	0+585.911	56.493	54.743	53.143	47.823	47.303	47.303
APL7	0+585.911	55.494	53.744	52.144	47.823	47.303	47.303
APL8	0+585.911	54.494	52.744	51.144	47.823	47.303	47.303
APL9	0+585.911	53.495	51.745	50.145	47.823	47.303	47.303

TABLE (TO SUKPAR)

LOCATION	PIER CHARGE	F.R.L.	TOP OF PIER CAP/ABUTMENT CAP	BOTTOM OF PIER CAP/ABUTMENT CAP	GROUND LEVEL	TOP OF PILE CAP	BOTTOM OF PILE CAP
APR1	0+678.844	60.184	57.811	56.211	50.466	49.946	49.946
APR2	0+680.844	59.184	57.811	56.211	50.466	49.946	49.946
APR3	0+680.844	58.184	56.811	55.211	50.466	49.946	49.946
APR4	0+680.844	57.184	55.811	54.211	50.466	49.946	49.946
APR5	0+680.844	56.184	54.811	53.211	50.466	49.946	49.946
APR6	0+680.844	55.184	53.811	52.211	50.466	49.946	49.946
APR7	0+680.844	54.184	52.811	51.211	50.466	49.946	49.946
APR8	0+680.844	53.184	51.811	50.211	50.466	49.946	49.946
APR9	0+680.844	52.184	50.811	49.211	50.466	49.946	49.946

LEGENDS FOR STRUCTURE

STRUCTURE TYPE	CODE SURVEY	SYMBOL
ELECTRIC POLE	EP	⊕
ONE MAST	OM	⊕
PIER PILLAR	P	⊕
BORERHOLE	BH	⊕
IR TRACK	IR	⊕
PROP. RAILWAY ROB	PROP. RAILWAY ROB	⊕
EXISTING ROAD	EXISTING ROAD	⊕
LEVEL CROSSING GATE	LC	⊕
STRUCTURE	STRUCTURE	⊕
FUTURE TRACK	FUTURE TRACK	⊕
RAILWAY BOUNDARY	RAILWAY BOUNDARY	⊕
RAILWAY PIER	RAILWAY PIER	⊕
SERVICE ROAD	SERVICE ROAD	⊕
COMPOUND WALL	COMPOUND WALL	⊕
FENCING	FENCING	⊕
TRAFFIC SIGNAL	TRAFFIC SIGNAL	⊕
HIGH TENSION TOWER	HIGH TENSION TOWER	⊕

NOTES FOR RE WALL PORTION:

1. THE MINIMUM SPACE OF CONCRETE SHALL BE RE WALL.
2. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.
3. THE DIMENSIONS SHALL BE AS SHOWN IN THE DRAWING. ONLY THE DIMENSIONS SHALL BE FOLLOWED.
4. THE DIMENSIONS, SECTIONAL DETAILS, CURVE DETAILS ARE TENTATIVE AND MAY BE CHANGED TO SUIT DESIGN REQUIREMENT, SITE CONDITIONS & CONSTRUCTION.
5. THE TENDENCY OF PILE HAS BEEN PROPOSED AND MAY BE CHANGED TO SUIT DESIGN REQUIREMENT, SITE CONDITIONS & CONSTRUCTION.
6. THE SAFETY AND PROTECTION MEASURES TO BE CONSIDERED FOR ROB.
7. THE ROB SHALL BE CONSTRUCTED BEFORE CASTING OF OTHER WALLS.
8. FOR STOP SIGNAL MOUNTING TYPE EXPANSION JOINTS NORTH, IN C & S SPECIFICATION SHALL BE USED.
9. THE APPROXIMATE WORK SHALL BE DONE WITH MOST SPECIFICATION.
10. THE DESIGN IS ACCORDING TO THE FOLLOWING CODES:
 - 10.1. IRC: 11-2004
 - 10.2. IRC: 13-2002
 - 10.3. IRC: 15-2002
 - 10.4. IRC: 15-2002
 - 10.5. IRC: 15-2002
 - 10.6. IRC: 15-2002
 - 10.7. IRC: 15-2002
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 - 10.100. IRC: 15-2002
11. CONCRETE GRADE: M20
- 11.1. PER PIER CAP PILE CAP M20
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CLIENT:- GUJARAT URBAN DEVELOPMENT COMPANY LIMITED (GUJUL), GANDHINAGAR

NAME OF WORK:- CONSTRUCTION OF PROP. TWO LANE ROB AT (RLY. KM 656/7-7) 83.2m AWAY FROM LC 65 IN LIEU OF LC NO 66/7-7, KM 656/7-7, IN C & S SPECIFICATION SHALL BE USED.

TITLE:- PLAN AND ELEVATION FOR ROB IN LIEU OF LC NO-65

LOCATION:- NAME OF ROAD: AHMEDABAD-MALHA HIGHWAY - TIKAR ROAD

CONSULTANT:- B/10, KRISHNA INDUSTRIAL ESTATE, OPP. B. D. C. GARDEN, VADODRA - 390 016. TELEPHONE: 91-265-290222, 2283081. E-MAIL: gup_group@yahoo.co.in. Web Site: www.gupgroup.in

DESIGNED BY: RAHUL K. K. (ENGINEER) DATE: 20/12/2022

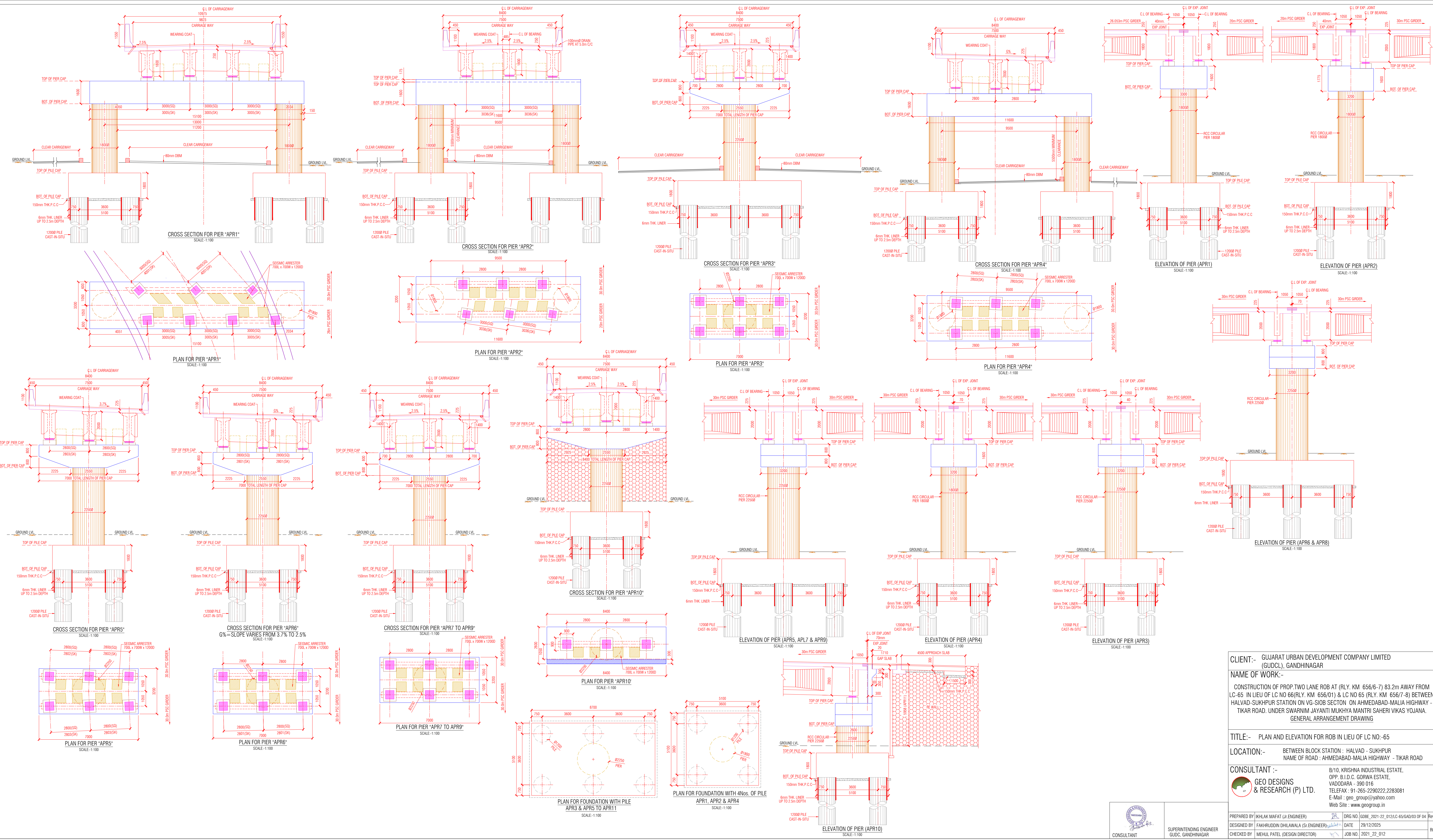
CHECKED BY: MEHUL PATEL (DESIGN DIRECTOR) JOB NO: 2021_212

APPROVED BY: SUPERINTENDING ENGINEER GUJUL, GANDHINAGAR

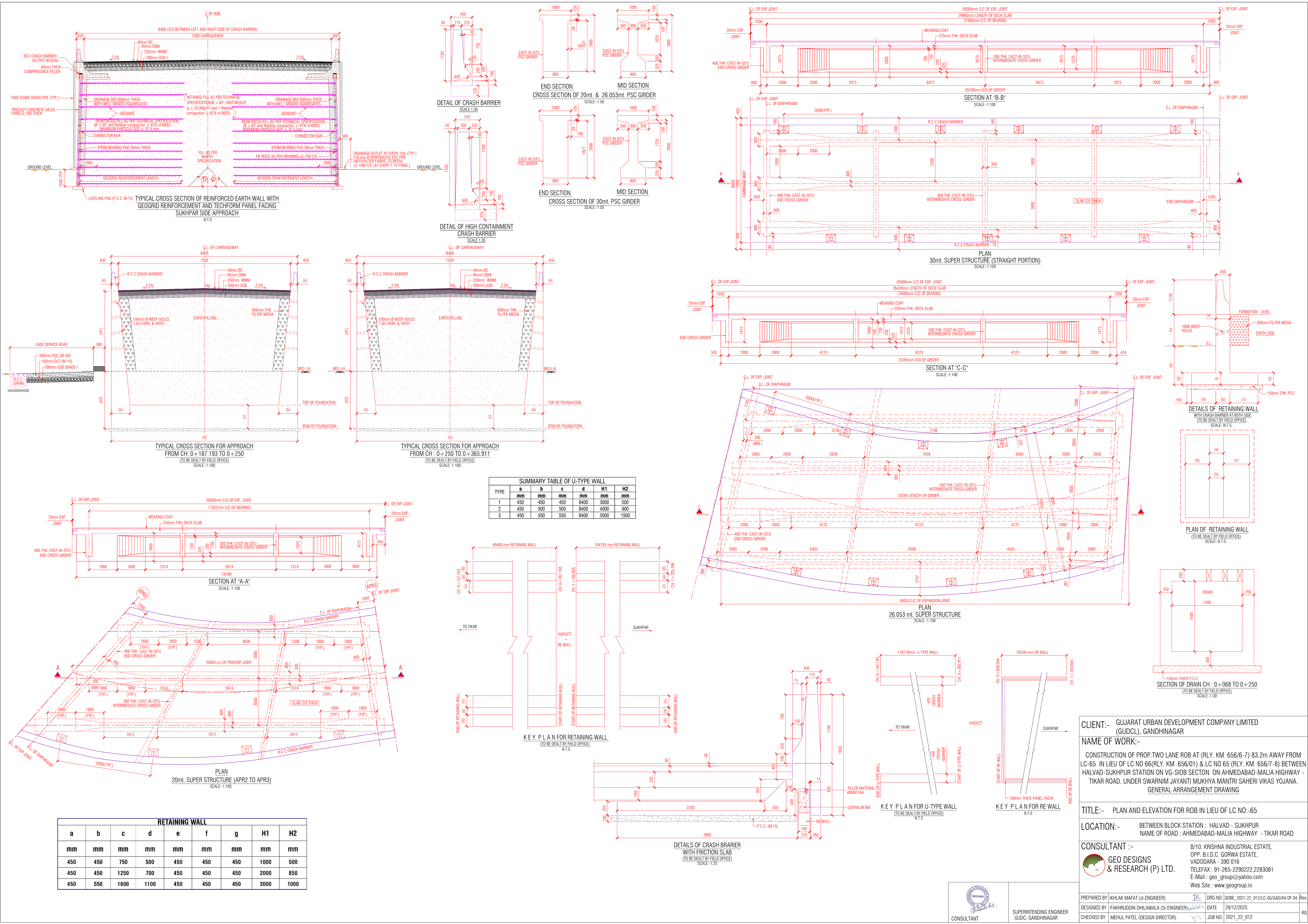
DATE: 20/12/2022

JOB NO: 2021_212





CLIENT:- GUJARAT URBAN DEVELOPMENT COMPANY LIMITED (GUDCL), GANDHINAGAR	
NAME OF WORK:-	
CONSTRUCTION OF PROP.TWO LANE ROB AT (RLY. KM 656/6-7) 83.2m AWAY FROM LC-65 IN LIEU OF LC NO 66(RLY. KM 656/01) & LC NO 65 (RLY. KM 656/7-8) BETWEEN HALVAD-SUKHPUR STATION ON VG-SIOB SECTION ON AHMEDABAD-MALIA HIGHWAY -TIKAR ROAD, UNDER SWARNIM JAYANTI MUKHYA MANTRI SAHARI VIKAS YOJANA. GENERAL ARRANGEMENT DRAWING	
TITLE:- PLAN AND ELEVATION FOR ROB IN LIEU OF LC NO-65	
LOCATION:- BETWEEN BLOCK STATION : HALVAD - SUKHPUR NAME OF ROAD : AHMEDABAD-MALIA HIGHWAY -TIKAR ROAD	
CONSULTANT :-	
GEO DESIGNS & RESEARCH (P) LTD.	
B/10, KRISHNA INDUSTRIAL ESTATE, OPP. B.I.D.C. GORWA ESTATE, VADODARA - 390 016 TELEFAX : 91-265-2290222,2283081 E-Mail : geo_group@yahoo.com Web Site : www.geogroup.in	
PREPARED BY: KHLEK MAFAT (Jr ENGINEER)	DRG NO: 78
DESIGNED BY: FAKHRUDDIN DHALAWALA (Sr. ENGINEER)	DATE: 29/12/2025
CHECKED BY: MEHUL PATEL (DESIGN DIRECTOR)	JOB NO: 2021_22_012



RETAINING WALL								
a	b	c	d	e	f	g	H1	H2
mm	mm	mm	mm	mm	mm	mm	mm	mm
450	450	750	500	450	450	450	1000	500
450	450	1250	700	450	450	450	2000	850
450	550	1600	1100	450	450	450	3000	1000

SUMMARY TABLE OF U-TYPE WALL						
TYPE	a	b	c	d	H1	H2
mm	mm	mm	mm	mm	mm	mm
1	450	450	450	8400	3000	500
2	450	500	500	8400	4000	900
3	450	550	550	8400	5000	1500

CLIENT:- GUJARAT URBAN DEVELOPMENT COMPANY LIMITED (GUDCL), GANDHINAGAR

NAME OF WORK:- CONSTRUCTION OF PROP.TWO LANE ROB AT (RLY. KM 656/6-7) 83.2m AWAY FROM LC-65 IN LIEU OF LC NO 66(RLY. KM 656/01) & LC NO 65 (RLY. KM 656/7-8) BETWEEN HALVAD-SUKHPUR STATION ON VG-SIOB SECTION ON AHMEDABAD-MALIA HIGHWAY - TIKAR ROAD. UNDER SWARNIM JAYANTI MUKHYA MANTRI SAHERI VIKAS YOJANA. GENERAL ARRANGEMENT DRAWING

TITLE:- PLAN AND ELEVATION FOR ROB IN LIEU OF LC NO:-65

LOCATION:- BETWEEN BLOCK STATION : HALVAD - SUKHPUR
NAME OF ROAD : AHMEDABAD-MALIA HIGHWAY - TIKAR ROAD

CONSULTANT :-

GEO DESIGNS
& RESEARCH (P) LTD.

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TELEFAX : 91-265-2290222,2283081
E-Mail : geo_group@yahoo.com
Web Site : www.geogroup.in

PREPARED BY: IKHLAK MAFAT (JR. ENGINEER)

DESIGNED BY: FAKHRUDDIN DHIHALWALA (Sr. ENGINEER)

CHECKED BY: MEHUL PATEL (DESIGN DIRECTOR)

DRG NO. GDRE_2021-22_012/LC-65/GAD/04 OF 04

DATE: 29/12/2025

JOB NO. 2021_22_012

Rev.

RO

CONSULTANT

SUPERINTENDING ENGINEER
GUDC, GANDHINAGAR