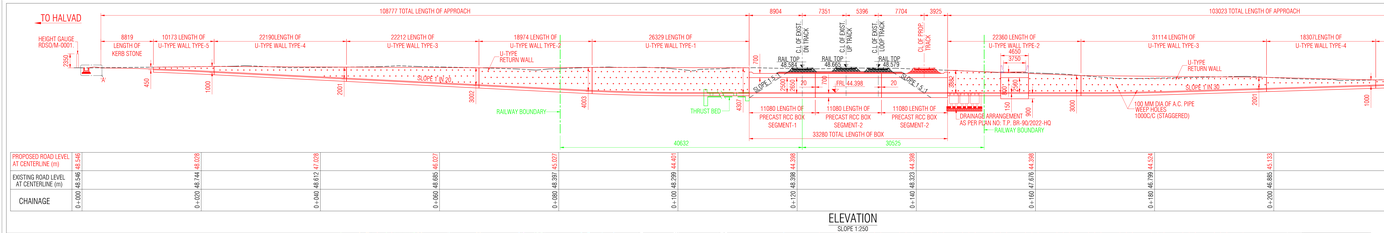
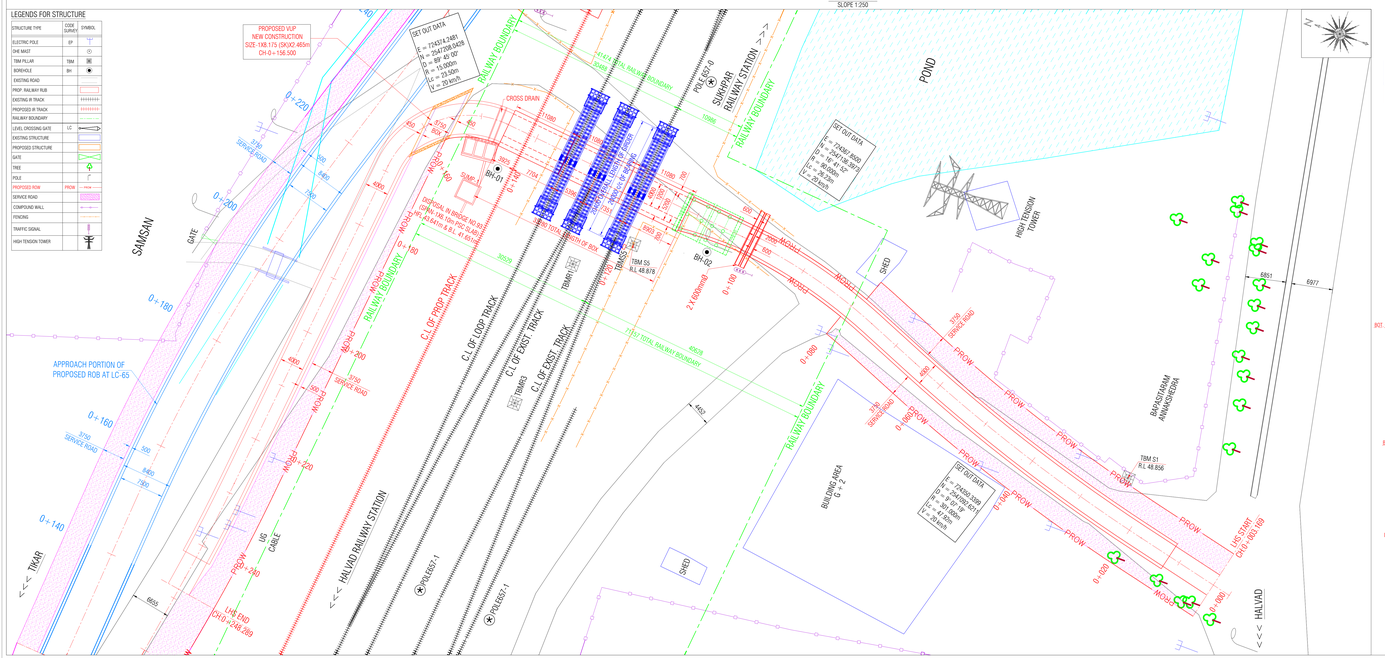
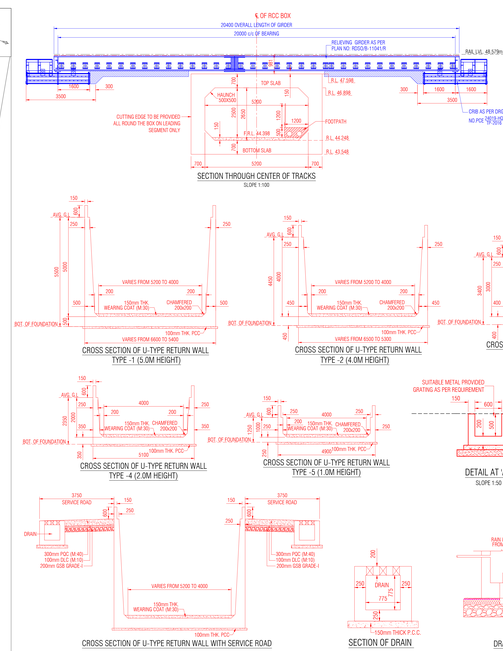
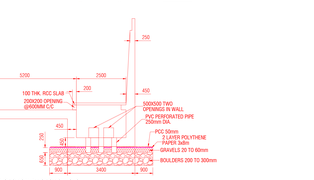
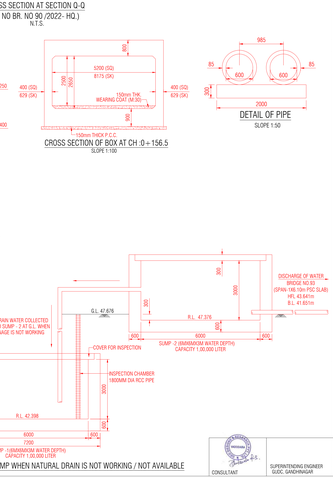


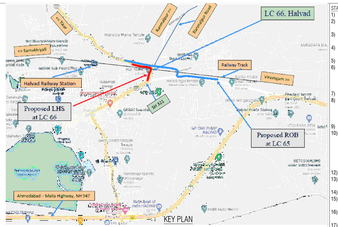
ELEVATION
SLOPE 1:250











STANDARD NOTES:
1) ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METERS UNLESS WRITTEN OTHERWISE
2) ALL DIMENSIONS SHALL BE SCALED FROM THIS DRAWING, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3) THE DIMENSIONS, SECTIONAL DETAILS, CURVE DETAILS ARE TENTATIVE AND MAY BE CHANGED TO SUIT DESIGN REQUIREMENT AND SITE CONDITIONS.
4) ALL OTHER SPECIFICATIONS SHALL BE AS PER MORTH & IRC SPECIFICATION FOR ROAD & BRIDGES.
5) THE CONCRETE WORK SHOULD BE DONE WITH MOST SPECIFICATION.
6) CONCRETE GRADE
   a. LEVELING COURSE M:15
   b. U-TYPE RETURN WALL M:35
   c. KERB M:30
7) REINFORCEMENT : Fe 550D (TMT) CONFORMING TO IS 1786-2008.
8) CLEAR COVER FOR REINFORCEMENT AS FOLLOWS:
   a. EARTH FACE STRUCTURAL COMPONENTS: 75mm
   b. INSIDE FACE STRUCTURAL COMPONENTS: 50mm
   c. BOTTOM RAFT : 75mm
9) CRASH BARRIER SHALL BE AS PER LATEST IRC STANDARD.
10) DESIGN CRITERIA
   THE DESIGN IS ACCORDING TO THE FOLLOWING CODES.
   a. IRC: 78-2014
   b. IRC: 6-2017
   c. IRC: SP: 13-2004
   d. IRC SP 114-2018
11) THE DESIGN ARE APPLICABLE FOR " **SEVERE** " EXPOSURE CONDITIONS.
12) GROUND LEVEL , FRL, SHOULD BE VERIFIED BEFORE EXECUTION , ALL THE SETTING OUT DIMENSION AND REDUCED LEVEL ETC. SHALL BE VERIFIED AT SITE BEFORE STARTING THE WORK.
13) DESIGN LOADING : ONE LANE OF CLASS A.
14) PROPER PROTECTION MEASURE SHALL BE TAKEN WHILE EXECUTION THE WORK NEAR THE RAILWAY TRACK.
15) SAFETY WORK SHOULD BE PROVIDE LIKE PROTECTIVE SCREENS , EARTHING , CAUTION BOARD ETC.
16) IF THERE IS VARIATION OF SOIL STRATA BY MORE THAN 500mm, THE MATTER SHOULD BE BROUGHT TO NOTICE OF DESIGN SECTION.
17) CHECK & VERIFY THE ALIGNMENT BEFORE STARTING EXECUTION WORK.
18) SHAPES AND SIZE OF U-TYPE RETURN WALL IS TENTATIVE AND ARE SUBJECT TO CHANGE IN FINAL DESIGN AND DRAWING.
19) EXCAVATION FOR LHS WORK SHALL BE DONE ONLY IN PRESENCE OF AUTHORIZED RAILWAY REPRESENTATIVE TO ENSURE THE SAFETY OF RUNNING TRAIN , PROPER PRECAUTION SHALL BE DONE TO PROTECT SLOPE FROM EROSION.
20) PROPOSED LHS AND U-TYPE RETURN WALL IN APPROACH IS SUBJECTED TO CHANGED.
21) PROPOSED LHS IS LOCATED IN SEISMIC ZONE IV.
22) ACTUAL DEPTH OF FOUNDATION SHALL BE DECIDED BY ENGINEER - IN - CHARGE TO SUIT THE SOIL STRATA MET WITH AT THE SITE. ENGINEER IN CHARGE SHOULD ENSURE THAT SBC OF SOIL AT FOUNDING LEVEL IS MORE THAN BEARING PRESSURE AT THAT LEVEL.
23) BACKFILL MATERIAL BEHIND END WALL SHALL BE SELECTED SOIL HAVING PROPERTIES AS C= 0Kg/Sq. it/ø 30°, DENSITY OF EARTH FILL γ = 18KN/M³ TO 20KN/M³ IT SHALL BE CONFIRM WITH IRC-78:2014.
24) WEEP HOLES SHALL BE PROVIDED IN BOX AND U TYPE RETURN WALL.
25) RCC WEARING COAT (M 30) SHALL BE PROVIDED WITH 150mm THK.
26) LC CLOSURE CONSENT FROM COLLECTOR.
27) FOR DRAINAGE ARRANGEMENT REFER SEPARATE DRAWING.

LC WILL BE CLOSED PERMANENTLY AFTER COMMISSIONING OF PROP. LHS

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

NAME OF WORK:-

CONSTRUCTION OF PROP. LHS AT RLY. KM 657-0/1 IN LIEU OF LC-66 BETWEEN HALVAD-SURAPUR STATION ON VG-SUB SECTION ON AHMEDABAD-MALIA HIGHWAY - TIKAR ROAD. UNDER SWARNIM JAYANTI MUKHYA MANTRI SAHERI VIKAS YOJANA.
GENERAL ARRANGEMENT DRAWING

TITLE:- PLAN AND ELEVATION FOR LHS IN LIEU OF LC NO -66

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

CONSULTANT :-
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PREPARED BY	JANAI NAGARSHETH (GAD ENGINEER)	DRG NO.	GDR_RDS_2021_22_01(01)-(04)-GA(01)
DESIGNED BY	FAKHRUDDIN DHILWALA (SI ENGINEER)	DATE	29/12/2025
CHECKED BY	NEHAL PATEL (DESIGN DIRECTOR)	JOB NO.	2021_22_012

CONSULTANT

SUPERINTENDING ENGINEER
GUDC, GANDHINAGAR