

← TO JUNAGHAD

TO RAJKOT →

NOTES:

GENERAL:

- ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE MENTIONED.
- ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NO DRAWING SHALL BE SCALED.

MATERIAL:

- GRADE OF CONCRETE SHALL BE AS FOLLOWS:
 - ABUTMENT, PIER, FOOTING, DIRT WALL, RETURN WALL - M:35
 - PRE CAST PSC GIRDER -M:50
 - DECK SLAB, DIAPHRAGMS -M:50
 - CRASH BARRIER -M:40
 - APPROACH SLAB -M:30
 - PCC -M:15
- HYSD BARS : GRADE Fe:550D (TMT) CONFORMING TO IS:1786
- BACK FILL MATERIAL BEHIND ABUTMENT AND RETAINING WALL SHALL CONFIRM TO APPENDIX-6, IRC 78: 2014
- SBC AS PER GEOTECH REPORT : BH-1 (ABUTMENT-A1) = 40.00 t/m² , BH-2 (ABUTMENT-A2) = 40.00 t/m², BH-3 (PIER) = 45.00 t/m².
- SEISMIV ZONE- III
- EXPOSURE CONDITION - SEVERE
- THE STRUCTURE IS DESIGNED TO CATER TO MAXIMUM OF LIVE LOAD COMBINATIOS AS PER IRC -6 TABLE NO 6A AND SV LOADING.

CONSTRUCTION:

- THE WORK SHALL BE EXECUTED IN ACCORDANCE WITH MOST'S SPECIFICATION FOR ROAD AND BRIDGE WORKS AND IRC CODE PROVISIONS EXCEPT WHEREVER OTHERWISE MENTIONED.
- ALL LEVELS SHALL BE VERIFIED ON SITE PRIOR TO COMMENCING THE WORK.
- IF ANY AMBIGUITY FOUND IN DRAWINGS OR AT SITE BRING IT TO DESIGNER'S NOTICE BEFORE EXECUTION.
- WEEP HOLES OF 100 Ø @ 1000C/C SHOULD BE PROVIDED STAGGERED BOTH VERTICALLY AND HORIZONTALLY IN ABUTMENT AND RETURN WALL
- FILTER MEDIA SHALL BE PROVIDED AS PER IRC:78-2014.
- IF HARD STRATA FOUND AT SITE, ACC. TO CLAUSE 705.2.2, IRC : 78:2014 MINIMUM EMBEDMENT OF FOUNDATION SHALL BE MINIMUM OF AS FOLLOW OR SHOWN IN DRAWING.
 - IN SOFT ROCK : 1.5m
 - IN HARD ROCK : 0.6m
 - SOIL : 2.0m
- IN CASE OF FOUNDATION IN ROCK, THE TRENCHES AROUND THE FOOTING SHALL BE FILLED UP WITH M-15 GRADE OF CONCRETE UPTO THE TOP OF THE ROCK
- HYDRAULIC DATA:
 - HFL: 85.00 M
 - AFFLUX : 0.065 M
 - OBSTRUCTED VELOCITY: 2.50 M/S
 - SCOUR LEVEL : RESTRICTED BY ROCK LEVEL
 - DESIGN DISCHARGE : 1045.00 M³/S

LEGENDS:

Ø --- CENTER LINE
EJ --- EXPANSION JOINT
FRL --- FINISH ROAD LEVEL
G.L. --- GROUND LEVEL
HFL --- HIGH FLOOD LEVEL
THK --- THICKNESS
TYP --- TYPICAL
U/S --- UP STREAM SIDE
D/S --- DOWN STREAM SIDE

BORE HOLE NO. BH-1

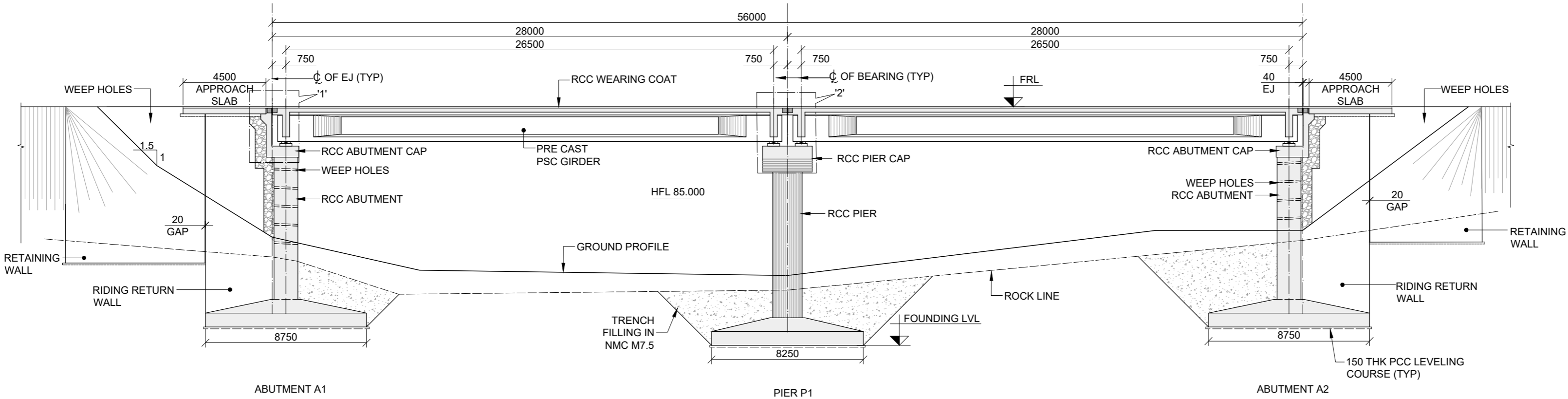
RL:83.800m

DEPTH m	SYMBOL	SOIL DESCRIPTION
0.50		BROWNISH BLACK SOIL WITH GRAVEL
1.50		BROWNISH FINE GRAIN
2.00		NON PLASTIC SAND
3.00		INTACT GOOD ROCK FRAGMENTS RECOVERED AS GRAVEL
4.00		
5.00		
6.00		

BORE HOLE NO. BH-3

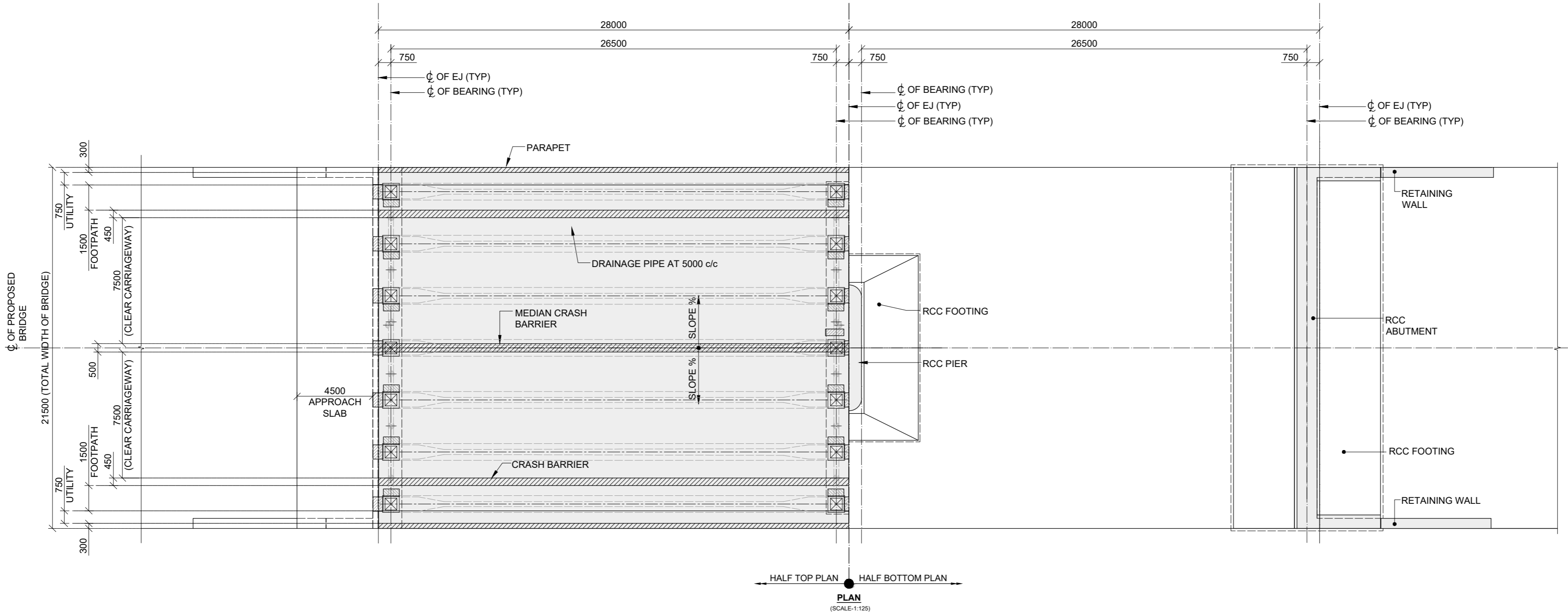
RL:83.700m

DEPTH m	SYMBOL	SOIL DESCRIPTION
0.50		BROWNISH BLACK SOIL WITH GRAVEL
1.00		INTACT GOOD ROCK FRAGMENTS RECOVERED AS GRAVEL
2.00		
3.00		
4.00		
4.50		INTACT IGNEOUS GOOD ROCK
5.00		
6.00		



FRL	89.950	89.950	89.950
GL	82.657	79.100	83.378
ROCK LEVEL	82.300	78.990	82.700
FOUNDING LEVEL	78.000	77.000	78.000
CAP TOP LEVEL	87.491	87.491	87.491
CHAINAGE	0+140.9471	0+168.9471	0+196.9471

SECTIONAL ELEVATION A-A
(SCALE:1:125)



RO	29/06/2026	FOR REVIEW	MS	AK
REV.	DATE	DESCRIPTION	DRN.	ENGR.

DESIGN CONSULTANT:
ANVAYA
ENGINEERING A BETTER TOMORROW
ANVAYA CONSTRUCTION CONSULTANCY PVT. LTD.
B-306, VINAYAK BUSSINESS PARK,PDEU ROAD,GANDHINAGAR
- 382007

CLIENT:
JUNAGADH MUNICIPAL CORPORATION

SIGNATURE:
EXECUTIVE ENGINEER
MUNICIPAL CORPORATION, JUNAGADH.

SIGNATURE:
DEPUTY EXECUTIVE ENGINEER
MUNICIPAL CORPORATION, JUNAGADH.

PROJECT:
PREPARATION OF PLAN, ESTIMATES AND DTP FOR BRIDGE
ACROSS SONREKH RIVER NEAR SHAKKARBAUG ZOO,
JUNAGADH

PREPARED MS
DESIGNED AK
CHECKED PC
APPROVED JC

TITLE:
GENERAL ARRANGEMENT DRAWING OF MINOR BRIDGE
SCALE: AS SHOWN
SIZE: A2
DRG. NO:
JUNGADH_SAKKARBAGH-MNB-GAD-001-R0
SHEET:
1 OF 2
REV:
R0

DATE:
JUNE, 2026