

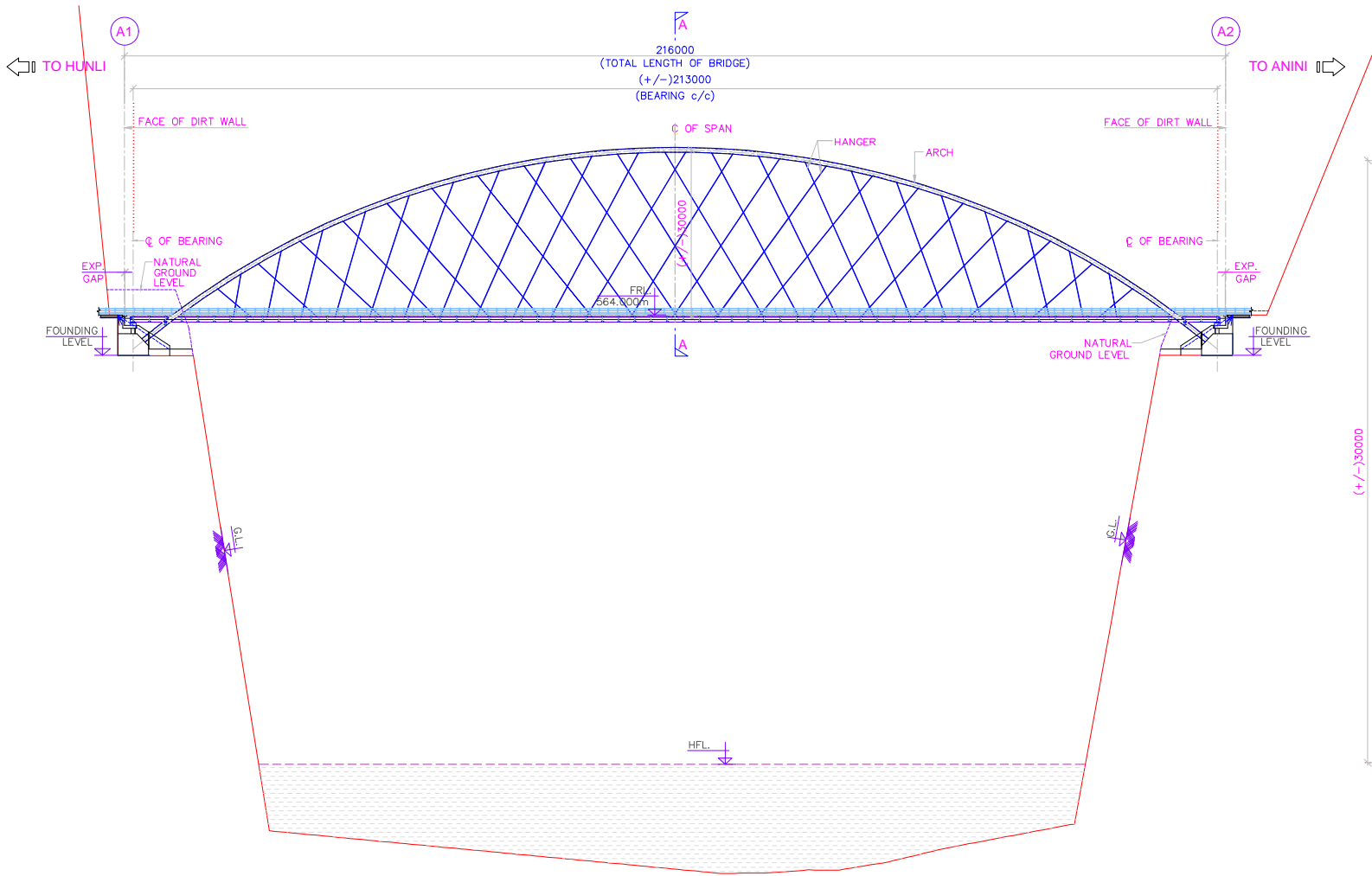
KEY PLAN

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS, UNLESS OTHERWISE MENTIONED.
- DRAWING SHALL NOT BE SCALED AND ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- MINIMUM CONCRETE GRADE
 - APPROACH SLAB- M30
 - DECK- M40
 - PEDESTAL/ARRESTER- M40
 - PIER AND PIER CAP- M35
 - LEVELING COURSE- M15
 - FOUNDATION- M35
 - CONCRETE IN ARCH- M60
- THE BRIDGE IS DESIGNED FOR FOLLOWING LIVE LOAD COMBINATIONS:
 - ONE LANE OF IRC CLASS 70R LOADING PLUS ONE LANE OF IRC CLASS A LOADING OR
 - THREE LANES OF IRC CLASS A LOADING WHICHEVER GOVERNS WITH APPROPRIATE LANE REDUCTION FACTOR AS PER PROVISION OF IRC:6
- THE BRIDGE IS DESIGNED FOR THE FOLLOWING LOADING.
 - BASIC WIND SPEED OF 44 m/s (AS PER IRC 6)
 - SEISMIC ZONE-V
- REINFORCEMENT GRADE- Fe 500D CONFORMING TO IS: 1786.
- THE EXPOSURE CONDITION FOR THE SITE IS MODERATE. MINIMUM CLEAR COVER TO ALL REINFORCEMENT SHALL BE AS BELOW:
 - SUPERSTRUCTURE - 40mm
 - SUBSTRUCTURE - 40mm
 - FOUNDATION - 75mm
- THE WEARING COAT SHALL BE 65mm THICK.
- BEARING SHALL BE POT PTFE AND METALLIC GUIDED IN ACCORDANCE WITH IRC 83 (PART-3)
- DRAINAGE SPOUT SHALL BE PROVIDED AS PER MISCELLANEOUS DRAWINGS AND AS PER MORTH STANDARDS.
- ALL CHAINAGES, FINISH ROAD LEVEL, GROUND LEVEL SHALL BE CONFIRMED AND VERIFIED AT SITE PRIOR TO EXECUTION OF WORKS.
- ALL STEEL PLATE USED IN FABRICATION OF THIS BRIDGE ARE OF GRADE E350 AND E450 GRADE A/Br AS PER IS 2062-2011.
- MODULAR TYPE EXPANSION JOINTS SHALL BE PROVIDED AS PER LATEST MORTH REQUIREMENT.

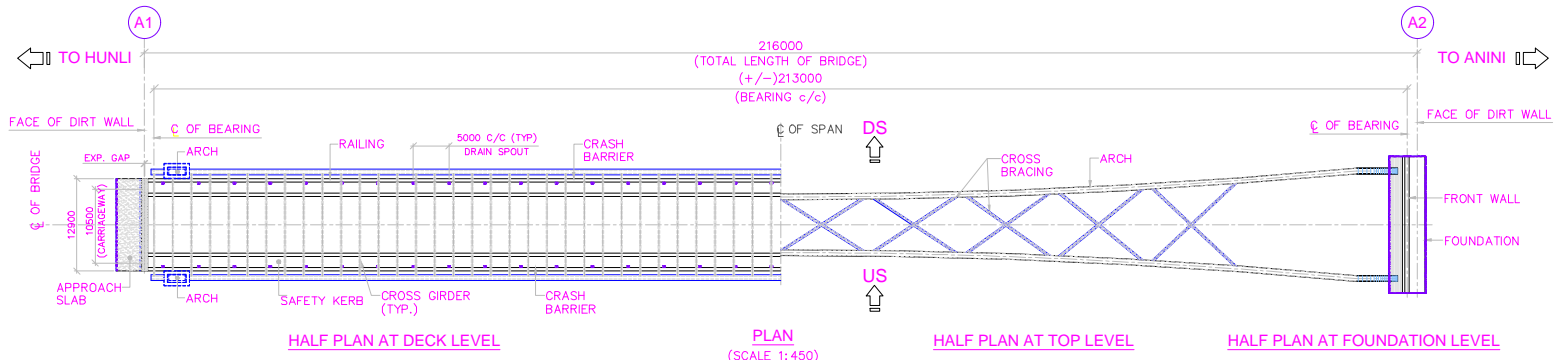
LEGEND:

- CL : CENTER LINE
FRL : FINISHED ROAD LEVEL
FL : FOUNDING LEVEL
HFL : HIGH FLOOD LEVEL
EXP.GAP : EXPANSION GAP
TYP : TYPICAL
GL : GROUND LEVEL



SECTIONAL ELEVATION
(SCALE 1:450)

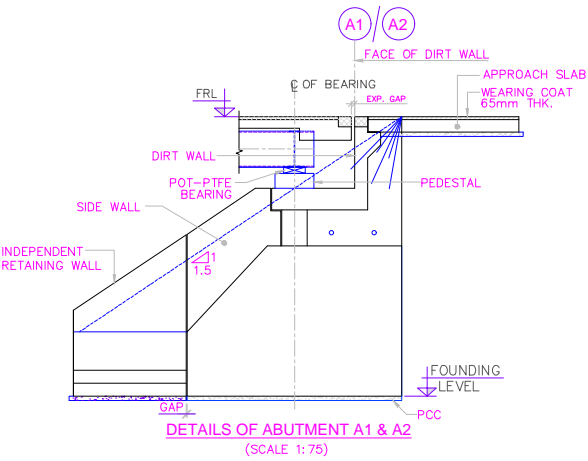
FRL (M)	564.000	564.000
NATURAL GROUND (M)	568.072	564.633
FOUNDING LEVEL (M)	557.500	557.500
CHAINAGE (M)	0.000	216.000



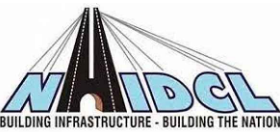
PLAN
(SCALE 1:450)

HALF PLAN AT TOP LEVEL

HALF PLAN AT FOUNDATION LEVEL



DETAILS OF ABUTMENT A1 & A2
(SCALE 1:75)



CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD.

(GOVERNMENT OF INDIA UNDERTAKING)

PROJECT: CONSTRUCTION OF ONE MAJOR BRIDGE CH. 28+200 (DESIGNED CH. 28+200) OF
BRIDGE SPAN 216m ALONG THE EXISTING HUNLI-ANINI ROAD FROM Km 21.500 TO
Km 37.500 IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE UNDER SARDP.

TITLE: GENERAL ARRANGEMENT DRAWING
FOR MAJOR BRIDGE AT EXISTING CH. 28+200

SHEET: 1 OF 1 REV: R0 SIZE: A1