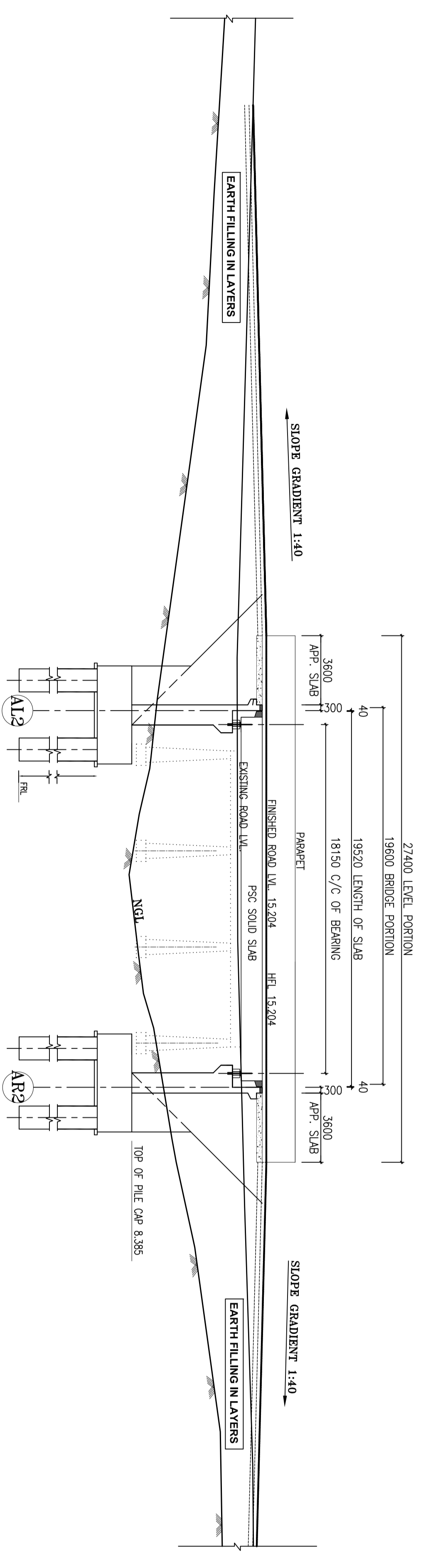


DATUM - 9.804

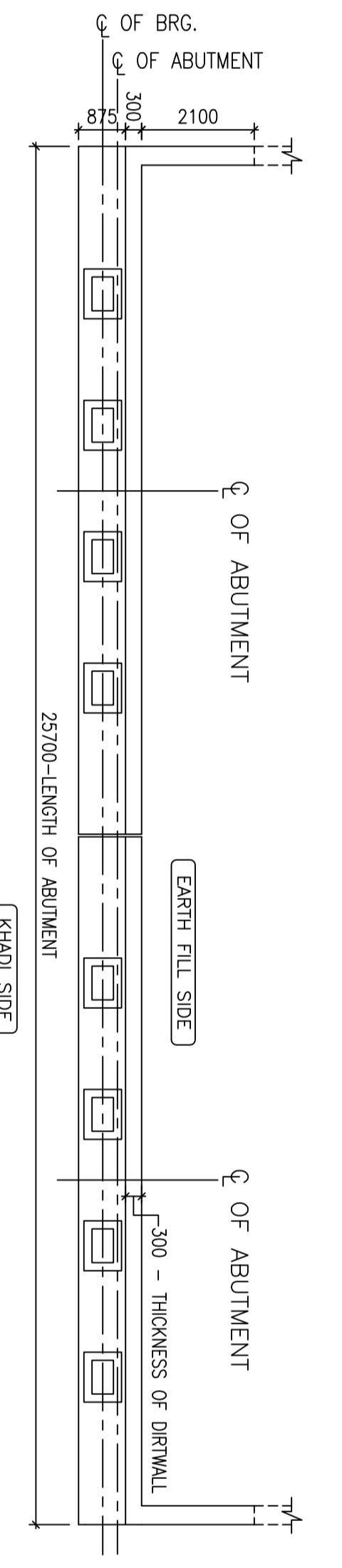
PROPOSED ROAD LVL. (mL)	NATURAL G.L. (mL)	CHAINAGE (mL)
52.271	14.997	14.997
50.775	14.032	14.032
50.000	13.530	14.052
49.285	13.069	14.069
45.000	12.350	14.177
42.930	12.228	14.228
40.000	12.085	14.302
35.000	11.841	14.427
31.504	11.653	14.514
30.000	11.568	14.552
29.825	11.556	14.556
25.000	11.122	14.677
21.395	10.767	14.767
20.000	10.629	14.802
15.000	10.175	14.927
12.855	9.980	14.980
10.000	9.721	15.052
5.475	9.277	15.164
5.000	9.217	15.177
3.900	9.106	15.204
0.000	8.885	15.204
5.000	9.077	15.204
9.800	9.268	15.204
15.000	8.626	15.204
19.600	9.342	15.204
0.000	0.000	15.204
3.900	10.500	15.204
5.000	11.532	15.176
5.475	11.881	15.164
9.085	13.074	15.074
10.000	13.138	15.051
15.000	13.484	15.926
19.670	13.807	14.810
20.000	13.833	14.802
25.000	14.184	14.676
30.185	14.547	14.547



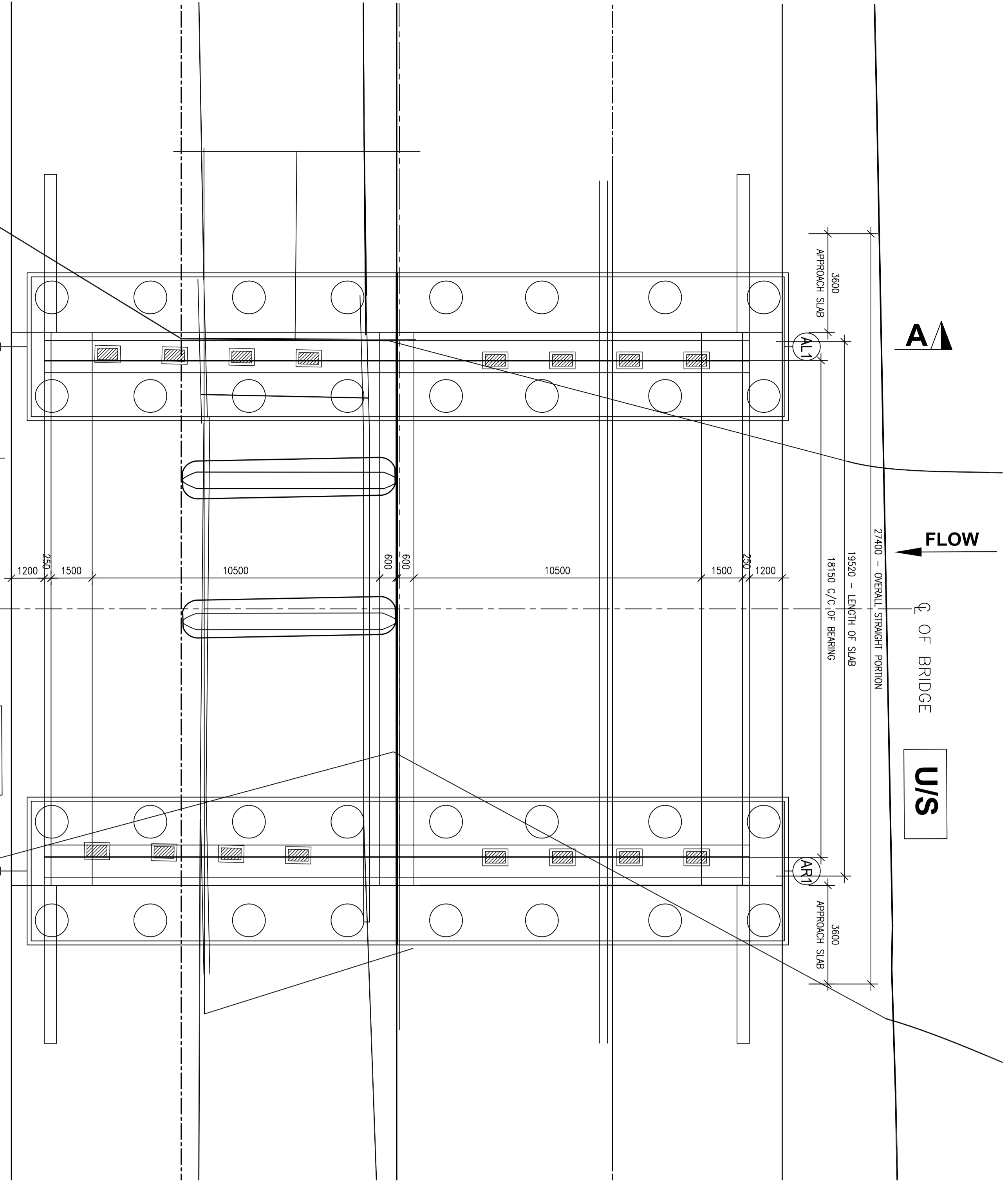
DATUM - 9.804

PROPOSED ROAD LVL. (mL)	NATURAL G.L. (mL)	CHAINAGE (mL)
56.760	13.882	15.097
55.000	13.786	15.057
50.000	13.513	14.952
45.000	13.350	14.853
42.000	13.251	14.793
40.000	13.186	14.754
35.000	12.976	14.614
31.504	12.764	14.514
30.000	12.667	14.465
28.650	12.585	14.426
25.000	12.380	14.322
20.000	12.119	14.179
17.520	11.863	14.107
15.000	11.517	14.033
11.375	11.017	13.928
10.000	10.826	13.888
5.475	10.206	13.765
5.000	10.124	13.742
3.900	9.981	13.710
0.000	9.710	13.682
5.000	8.673	13.691
9.800	8.207	13.700
15.000	8.537	13.724
19.600	9.845	13.907
0.000	0.000	15.204
3.900	10.509	14.009
5.000	10.748	14.038
5.475	10.888	14.066
10.000	11.705	14.187
12.115	11.999	14.253
15.000	12.398	14.343
19.115	12.824	14.471
20.000	12.839	14.492
25.000	12.929	14.539
30.185	13.016	14.547

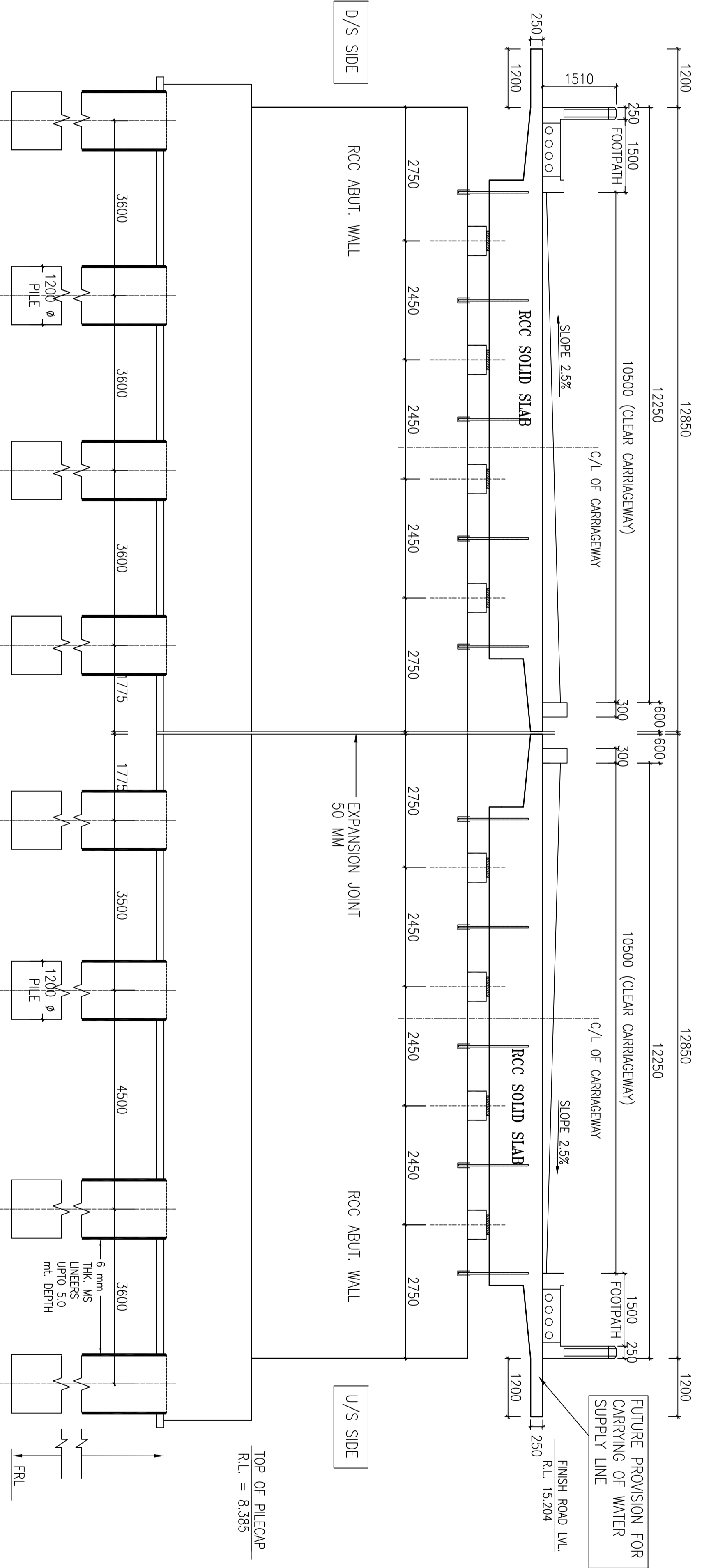
LONG SECTION AT AL2-AR2 (D/S)



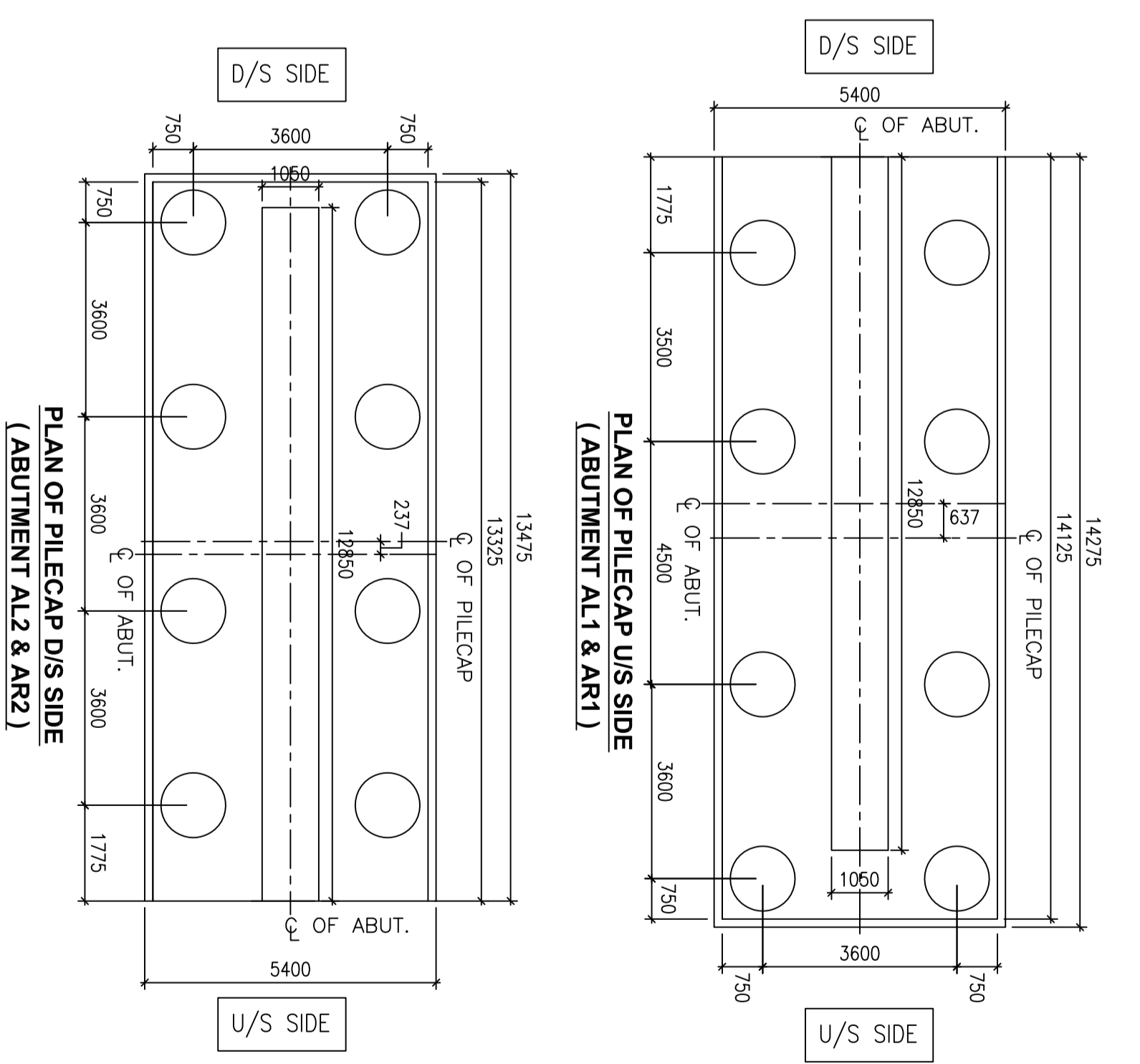
PLAN AT TOP OF ABUTMENT CAP



PLAN

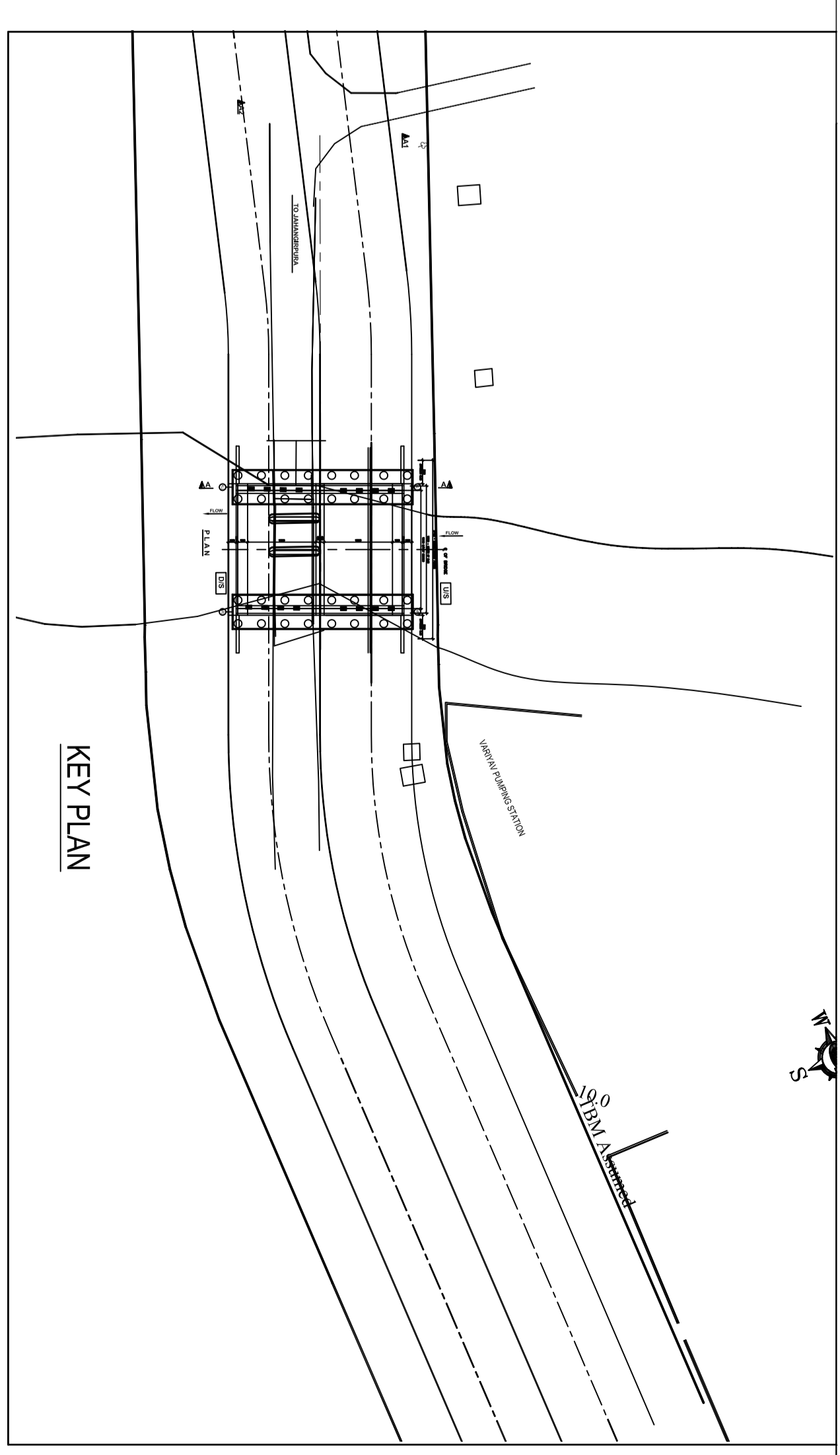


CROSS SECTION OF BRIDGE AT A-A



PLAN OF PILECAP D/S SIDE (ABUTMENT AL2 & AR2)

PLAN OF PILECAP U/S SIDE (ABUTMENT AL1 & AR1)



KEY PLAN

NOTES:-

- (1) ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES UNLESS OTHERWISE MENTIONED IN DRAWING.
- (2) NO DIMENSION SHALL BE SCALED FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- (3) STRUCTURAL DETAILS, CONC. GRADE AND DIMENSIONS SHOWN IN THIS DRAWING ARE TENTATIVE AND ANY UNIT AND ITS DIMENSION WILL BE AS PER DETAIL DESIGN AND DRAWINGS.
- (4) DESIGN SHALL BE AS PER LATEST RELEVANT CODE OF IRC AND OTHER CODES AS APPROVED BY MOST.
- (5) STRIP SEAL/COMPRESSION SEAL TYPE EXPANSION JOINT OF APPROVED MOST MANUFACTURER SHALL BE PROVIDED IN DECK AT EXPANSION GAP.
- (6) THE BRIDGE WILL BE DESIGNED FOR BELOW MENTIONED IRC LOADING (A) EACH TWO LANE BRIDGE SHALL BE DESIGNED FOR IRC CLASS A TWO LANE LOADS OR ONE LANE OF 70R WHEELED OR TRACKED VEHICLES, WHICH EVER IS SEVERE AND GOVERNING.
- (7) STEEL USED SHALL BE TMT BARS CONFIRMING TO I.S. 1786.
- (8) RASH BARRIER SHOULD BE PROVIDED AS PER MOST STANDARD DWG.
- (9) BEARING = ELASTOMERIC BEARING
- (10) DRAINAGE SPOUT WEARING COATS SHOULD BE AS PER MOST STANDARD DRAWING SD-303.
- (11) ALL R.C.C. WORK SHALL CONFORM TO I.R.C. CODE SEC-III OF ROAD BRIDGE.
- (12) DESIGN CRITERIA I.R.C. CODE OF PRACTICE SECTION I TO III.
- (13) THE DEPTH OF FOUNDATION SHOWN IN THIS DRAWING IS TENTATIVE THE ACTUAL FOUNDATION LEVEL SHALL BE AS PER WORKING DWG.
- (14) GRADE OF CONCRETE

P.C.C.	M-15	PSC VOIDED SLAB	M-40
PILE CAP	M-35	KERB	M-25
ABUTMENT	M-35	CRASS BARRIER	M-35
ABUTMENT CAP	M-35	PEDESTAL	M-35

THIS IS TO CERTIFY THAT

1. EACH AND EVERY DESIGN CALCULATIONS OF THIS DRAWING AND CONCERN DRAWINGS ARE CHECKED AND VERIFIED BY ME.
2. DESIGN AND DRAWING IS DEVELOPED IN CONFORMITY WITH SCOPE OF WORK MARRAIED IN TENDER AND SATISFIED ALL REQUIREMENT OF LATEST CODAL PROVISIONS.
3. DESIGN AND DRAWING IS CHECKED AND APPROVED BY ME HEREWITH AND CORRECT, SOUND AND ADEQUATE TO ADOPT FOR THE EXECUTION.

CONSULTANT:
CASAD Consultants,
 AHMEDABAD

PROF. CONSULTANT:
SMARTHYA ABHINAVTA
 AHMEDABAD

REVISION	DATE	PARTICULAR
R3	13/05/16	REVISED AS PER SITE CONDITION
R2	13/02/16	REVISED AS PER SITE CONDITION
R1	31/12/15	REVISED AS PER SHIFTING OF PILE DUE TO OBSTRUCTION OF UTILITY

PROJECT:
CONSTRUCTION OF CREEK BRIDGE INPLACE OF EXISTING OLD CREEK BRIDGE ON 45.00MT WIDE VARYAV TO AMROLL NEAR DRAINAGE PUMPING STATION, SURAT CITY.

ORGANIZATION:
SURAT MUNICIPAL CORPORATION
 BRIDGE CELL, SURAT

CONTRACTOR:
UNIQUE CONSTRUCTION CO.
 SURAT

MSM CIVIL ARCHITECTURAL ENGINEERING ANALYSIS DESIGN
 101 DEVAJINSI, 14B, JAN SOCIETY,
 NR. BHATTANAGAR, AHMEDABAD.
 OPP. KOCHERAB, ASHRAM,
 ELLSBRIDGE, AHMEDABAD-380 006.
 PH-079-26592151
 EMAIL:- casadconsultants@gmail.com

GENERAL ARRANGEMENT DRAWING

DRAWN BY: V.J.SHAH
 DESIGN BY: K.J.GALLAR
 CHECK BY: H.Y.MOJIBRA
 APPROVED BY: J.B.GANDHI

PROJECT NO.	2015-04	DRG. NO.	SMC /KB/V /P.S /196 /GAD
DATE	20-10-15	SCALE	AS SHOWN