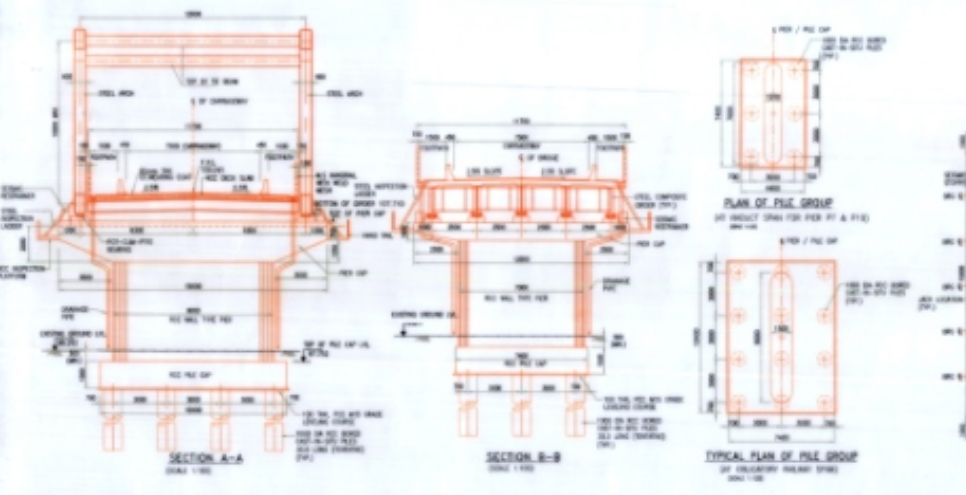


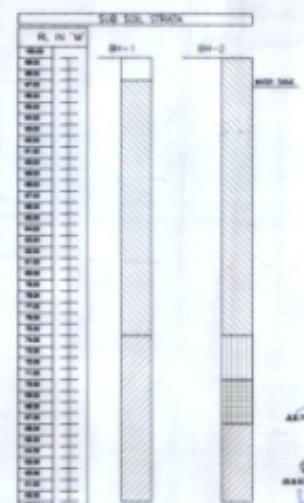
- SECTION OF GRS TO BE TAKEN PRIOR TO COMMENCEMENT OF WORK
1. The bridge is a precast concrete structure with a total length of 100m.
 2. The bridge is supported by four concrete piers.
 3. The bridge deck is made of precast concrete slabs.
 4. The bridge is designed for a design speed of 40 km/h.
 5. The bridge is designed for a design load of 100 kN/m.
 6. The bridge is designed for a design wind speed of 30 m/s.
 7. The bridge is designed for a design flood level of 1.5m above the ground level.
 8. The bridge is designed for a design seismicity of 0.15g.
 9. The bridge is designed for a design temperature range of 40°C.
 10. The bridge is designed for a design concrete strength of 30 MPa.
 11. The bridge is designed for a design steel yield strength of 250 MPa.
 12. The bridge is designed for a design concrete cover of 50 mm.
 13. The bridge is designed for a design concrete curing time of 28 days.
 14. The bridge is designed for a design concrete curing temperature of 20°C.
 15. The bridge is designed for a design concrete curing humidity of 65%.
 16. The bridge is designed for a design concrete curing wind speed of 10 m/s.
 17. The bridge is designed for a design concrete curing relative humidity of 65%.
 18. The bridge is designed for a design concrete curing air content of 4.5%.
 19. The bridge is designed for a design concrete curing maximum aggregate size of 20 mm.
 20. The bridge is designed for a design concrete curing minimum aggregate size of 4.75 mm.
 21. The bridge is designed for a design concrete curing maximum aggregate shape factor of 1.25.
 22. The bridge is designed for a design concrete curing maximum aggregate angularity of 1.25.
 23. The bridge is designed for a design concrete curing maximum aggregate elongation of 1.25.
 24. The bridge is designed for a design concrete curing maximum aggregate soundness of 1.25.
 25. The bridge is designed for a design concrete curing maximum aggregate absorption of 1.25.
 26. The bridge is designed for a design concrete curing maximum aggregate bulk density of 1.25.
 27. The bridge is designed for a design concrete curing maximum aggregate specific gravity of 1.25.
 28. The bridge is designed for a design concrete curing maximum aggregate moisture content of 1.25.
 29. The bridge is designed for a design concrete curing maximum aggregate organic content of 1.25.
 30. The bridge is designed for a design concrete curing maximum aggregate chloride ion content of 1.25.
 31. The bridge is designed for a design concrete curing maximum aggregate alkali-silica reaction of 1.25.
 32. The bridge is designed for a design concrete curing maximum aggregate sulfate attack of 1.25.
 33. The bridge is designed for a design concrete curing maximum aggregate acid-sulfate attack of 1.25.
 34. The bridge is designed for a design concrete curing maximum aggregate sulfate-sulfate attack of 1.25.
 35. The bridge is designed for a design concrete curing maximum aggregate sulfate-sulfate attack of 1.25.
 36. The bridge is designed for a design concrete curing maximum aggregate sulfate-sulfate attack of 1.25.
 37. The bridge is designed for a design concrete curing maximum aggregate sulfate-sulfate attack of 1.25.
 38. The bridge is designed for a design concrete curing maximum aggregate sulfate-sulfate attack of 1.25.
 39. The bridge is designed for a design concrete curing maximum aggregate sulfate-sulfate attack of 1.25.
 40. The bridge is designed for a design concrete curing maximum aggregate sulfate-sulfate attack of 1.25.



Soil Profile Details of Soil Exploration at LC-46

Soil No.	Depth (m)	Soil Type	Moisture (%)	Specific Gravity	Relative Density	Standard Penetration Test (SPT) (blows/30cm)
1	0-1.5	CLAY	25	2.7	0.7	10
2	1.5-3.0	CLAY	25	2.7	0.7	10
3	3.0-4.5	CLAY	25	2.7	0.7	10
4	4.5-6.0	CLAY	25	2.7	0.7	10
5	6.0-7.5	CLAY	25	2.7	0.7	10
6	7.5-9.0	CLAY	25	2.7	0.7	10
7	9.0-10.5	CLAY	25	2.7	0.7	10
8	10.5-12.0	CLAY	25	2.7	0.7	10
9	12.0-13.5	CLAY	25	2.7	0.7	10
10	13.5-15.0	CLAY	25	2.7	0.7	10
11	15.0-16.5	CLAY	25	2.7	0.7	10
12	16.5-18.0	CLAY	25	2.7	0.7	10
13	18.0-19.5	CLAY	25	2.7	0.7	10
14	19.5-21.0	CLAY	25	2.7	0.7	10
15	21.0-22.5	CLAY	25	2.7	0.7	10
16	22.5-24.0	CLAY	25	2.7	0.7	10
17	24.0-25.5	CLAY	25	2.7	0.7	10
18	25.5-27.0	CLAY	25	2.7	0.7	10
19	27.0-28.5	CLAY	25	2.7	0.7	10
20	28.5-30.0	CLAY	25	2.7	0.7	10
21	30.0-31.5	CLAY	25	2.7	0.7	10
22	31.5-33.0	CLAY	25	2.7	0.7	10
23	33.0-34.5	CLAY	25	2.7	0.7	10
24	34.5-36.0	CLAY	25	2.7	0.7	10
25	36.0-37.5	CLAY	25	2.7	0.7	10
26	37.5-39.0	CLAY	25	2.7	0.7	10
27	39.0-40.5	CLAY	25	2.7	0.7	10
28	40.5-42.0	CLAY	25	2.7	0.7	10
29	42.0-43.5	CLAY	25	2.7	0.7	10
30	43.5-45.0	CLAY	25	2.7	0.7	10
31	45.0-46.5	CLAY	25	2.7	0.7	10
32	46.5-48.0	CLAY	25	2.7	0.7	10
33	48.0-49.5	CLAY	25	2.7	0.7	10
34	49.5-51.0	CLAY	25	2.7	0.7	10
35	51.0-52.5	CLAY	25	2.7	0.7	10
36	52.5-54.0	CLAY	25	2.7	0.7	10
37	54.0-55.5	CLAY	25	2.7	0.7	10
38	55.5-57.0	CLAY	25	2.7	0.7	10
39	57.0-58.5	CLAY	25	2.7	0.7	10
40	58.5-60.0	CLAY	25	2.7	0.7	10
41	60.0-61.5	CLAY	25	2.7	0.7	10
42	61.5-63.0	CLAY	25	2.7	0.7	10
43	63.0-64.5	CLAY	25	2.7	0.7	10
44	64.5-66.0	CLAY	25	2.7	0.7	10
45	66.0-67.5	CLAY	25	2.7	0.7	10
46	67.5-69.0	CLAY	25	2.7	0.7	10
47	69.0-70.5	CLAY	25	2.7	0.7	10
48	70.5-72.0	CLAY	25	2.7	0.7	10
49	72.0-73.5	CLAY	25	2.7	0.7	10
50	73.5-75.0	CLAY	25	2.7	0.7	10
51	75.0-76.5	CLAY	25	2.7	0.7	10
52	76.5-78.0	CLAY	25	2.7	0.7	10
53	78.0-79.5	CLAY	25	2.7	0.7	10
54	79.5-81.0	CLAY	25	2.7	0.7	10
55	81.0-82.5	CLAY	25	2.7	0.7	10
56	82.5-84.0	CLAY	25	2.7	0.7	10
57	84.0-85.5	CLAY	25	2.7	0.7	10
58	85.5-87.0	CLAY	25	2.7	0.7	10
59	87.0-88.5	CLAY	25	2.7	0.7	10
60	88.5-90.0	CLAY	25	2.7	0.7	10
61	90.0-91.5	CLAY	25	2.7	0.7	10
62	91.5-93.0	CLAY	25	2.7	0.7	10
63	93.0-94.5	CLAY	25	2.7	0.7	10
64	94.5-96.0	CLAY	25	2.7	0.7	10
65	96.0-97.5	CLAY	25	2.7	0.7	10
66	97.5-99.0	CLAY	25	2.7	0.7	10
67	99.0-100.5	CLAY	25	2.7	0.7	10

LAYER	DESCRIPTION	DEPTH (m)	SOIL CLASS
LAYER-1	FILLED UP SOIL	0-1.5	CLAY
LAYER-2	SOFT CLAY OF MEDIUM PLASTICITY AND STRENGTH	1.5-3.0	CLAY
LAYER-3	SOFT SOIL WITH SANDS	3.0-4.5	CLAY
LAYER-4	SOFT SAND WITH SANDS	4.5-6.0	CLAY



LEGEND
 - PROPOSED WORK
 - EXISTING WORK
 - FUTURE WORK

APPROVED BY: [Signature]

DATE: 10/10/2017

SCALE: 1/20

PROJECT: GAD FOR APPROACH PORTION OF ROAB AT LC NO. 46 AT NH 3817-3

CONSULTANT: PARK PROJECTS CONSULTANCY PVT. LTD. NEW DELHI