

**INDIA  
BANGALORE DEVELOPMENT AUTHORITY  
DIRECTORATE OF URBAN LAND TRANSPORT,  
GOVERNMENT OF KARNATAKA**

**JICA EXPERTS ON BENGALURU PERIPHERAL RING ROAD PROJECT  
IN INDIA**

**APPENDIX-1 : DRAWINGS  
(TECHNICAL REVIEW REPORT)**

**OCTOBER 2015**

**JAPAN INTERNATIONAL COOPERATION AGENCY**

**JICA STUDY TEAM Consisted by**

**NIPPON KOEI CO., LTD.**

**EAST NIPPON EXPRESSWAY CO., LTD.**

**CTI ENGINEERING INTERNATIONAL CO., LTD**

<b>4R</b>
<b>CR(5)</b>
<b>15-048</b>

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# TECHNICAL REVIEW REPORT

## LIST OF DRAWINGS

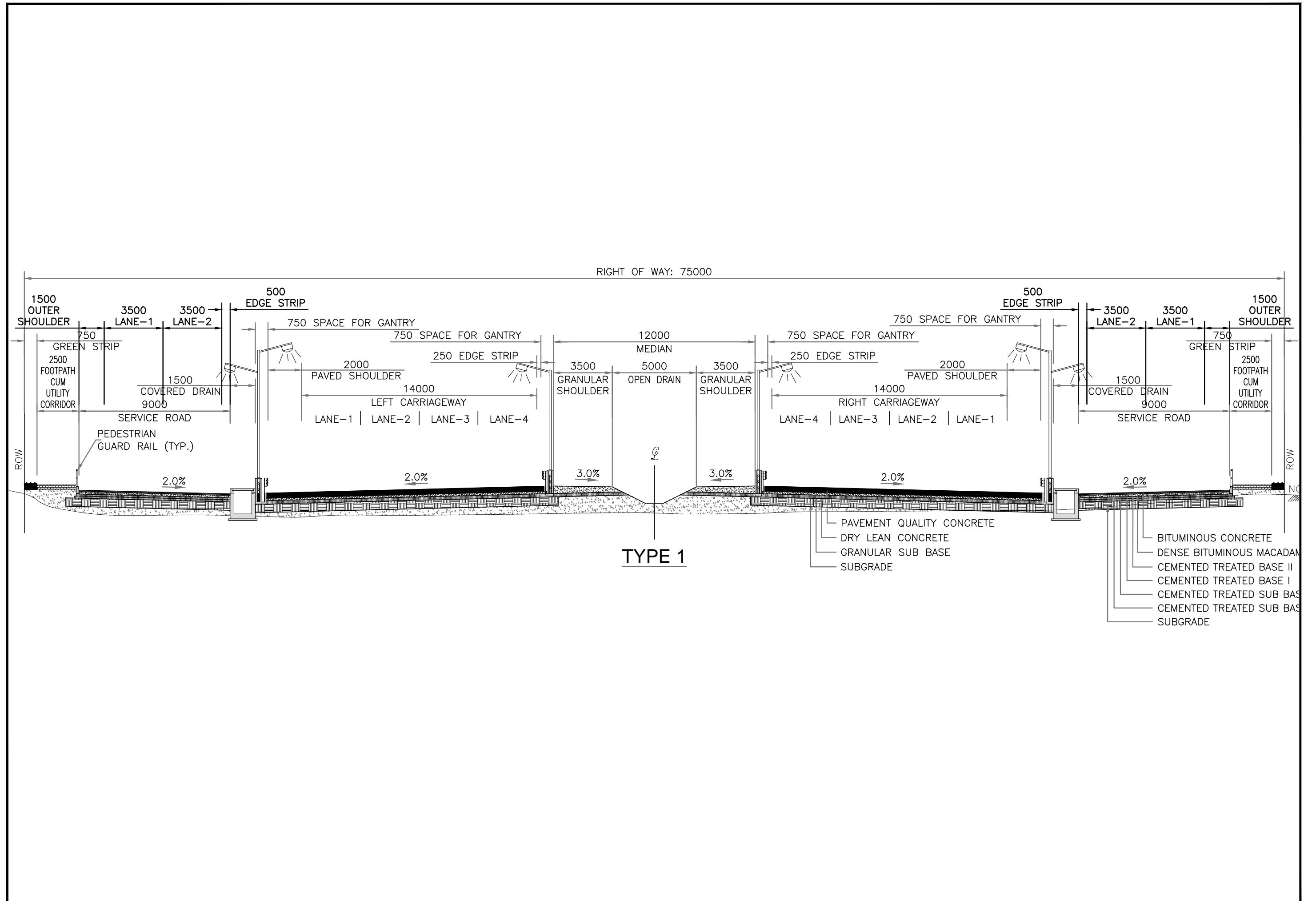
SL NO.	DWG NO.	TITLE
<b>A. TYPICAL CROSS SECTION</b>		
1	JE-001-R	TYPICAL CROSS SECTION FOR SERVICE ROAD
2	JE-002-S	TYPICAL DETAILS OF BRIDGES
3	JE-003-S	TYPICAL DETAILS OF BRIDGES
4	JE-004-S	TYPICAL DETAILS OF BRIDGES
5	JE-005-S	TYPICAL DETAILS OF BRIDGES
6	TD-01-J	TYPICAL DETAILS OF DRAINAGE CULVERTS
7	TD-02-J	TYPICAL DETAILS OF MINOR BRIDGES
8	TD-03-J	TYPICAL DETAILS OF PEDESTRIAN UNDERPASS
9	TD-04-J	TYPICAL DETAILS OF VEHICULAR UNDERPASS
10	JE-006-S	TYPICAL DETAILS OF UNDERPASS
<b>B. HORIZONTAL ALIGNMENT</b>		
11	RD-21-J	MAIN ROAD ALIGNMENT CH: 0 TO CH:700
12	RD-22-J	MAIN ROAD ALIGNMENT CH: 700 TO CH:1400
13	RD-35-J, RD-36-J	MAIN ROAD ALIGNMENT CH: 10240 TO CH:10960
14	RD-51-J, RD-52-J	MAIN ROAD ALIGNMENT CH: 21280 TO CH: 22040
15	RD-58-J	MAIN ROAD ALIGNMENT CH: 26320 TO CH: 27060
16	RD-60-J	MAIN ROAD ALIGNMENT CH: 27040 TO CH: 27780
17	RD-63-J	MAIN ROAD ALIGNMENT CH: 29360 TO CH: 30100
18	RD-67-J	MAIN ROAD ALIGNMENT CH: 32360 TO CH: 33080
19	RD-68-J	MAIN ROAD ALIGNMENT CH: 32900 TO CH: 33640
20	RD-80-J	MAIN ROAD ALIGNMENT CH: 41080 TO CH: 41800
21	RD-108-J, RD-109-J	MAIN ROAD ALIGNMENT CH: 61460 TO CH: 62540
22	RD-113-J	MAIN ROAD ALIGNMENT CH: 65280 TO EP
<b>C. VERTICAL ALIGNMENT</b>		
23	RD-21-J	MAIN ROAD PROFILE CH: 0+000 TO CH: 0+700
24	RD-22-J	MAIN ROAD PROFILE CH: 0+700 TO CH: 1+400
25	RD-23-J	MAIN ROAD PROFILE CH: 1+400 TO CH: 2+100
26	RD-24-J	MAIN ROAD PROFILE CH: 2+100 TO CH: 2+800
27	RD-25-J	MAIN ROAD PROFILE CH: 2+800 TO CH: 3+500
28	RD-26-J	MAIN ROAD PROFILE CH: 3+500 TO CH: 4+200
29	RD-27-J	MAIN ROAD PROFILE CH: 4+200 TO CH: 4+900
30	RD-28-J	MAIN ROAD PROFILE CH: 4+900 TO CH: 5+600
31	RD-29-J	MAIN ROAD PROFILE CH: 5+600 TO CH: 6+300
32	RD-30-J	MAIN ROAD PROFILE CH: 6+300 TO CH: 7+000
33	RD-31-J	MAIN ROAD PROFILE CH: 7+000 TO CH: 7+700
34	RD-32-J	MAIN ROAD PROFILE CH: 7+700 TO CH: 8+400
35	RD-33-J	MAIN ROAD PROFILE CH: 8+400 TO CH: 9+100
36	RD-34-J	MAIN ROAD PROFILE CH: 9+100 TO CH: 9+800
37	RD-35-J	MAIN ROAD PROFILE CH: 9+800 TO CH: 10+500
38	RD-36-J	MAIN ROAD PROFILE CH: 10+500 TO CH: 11+200
39	RD-37-J	MAIN ROAD PROFILE CH: 11+200 TO CH: 11+900
40	RD-38-J	MAIN ROAD PROFILE CH: 11+900 TO CH: 12+600
41	RD-39-J	MAIN ROAD PROFILE CH: 12+600 TO CH: 13+300

SL NO.	DWG NO.	TITLE
42	RD-40-J	MAIN ROAD PROFILE CH: 13+300 TO CH: 14+000
43	RD-41-J	MAIN ROAD PROFILE CH: 14+000 TO CH: 14+700
44	RD-42-J	MAIN ROAD PROFILE CH: 14+700 TO CH: 15+400
45	RD-43-J	MAIN ROAD PROFILE CH: 15+400 TO CH: 16+100
46	RD-44-J	MAIN ROAD PROFILE CH: 16+100 TO CH: 16+800
47	RD-45-J	MAIN ROAD PROFILE CH: 16+800 TO CH: 17+500
48	RD-46-J	MAIN ROAD PROFILE CH: 17+500 TO CH: 18+200
49	RD-47-J	MAIN ROAD PROFILE CH: 18+200 TO CH: 18+900
50	RD-48-J	MAIN ROAD PROFILE CH: 18+900 TO CH: 19+600
51	RD-49-J	MAIN ROAD PROFILE CH: 19+600 TO CH: 20+300
52	RD-50-J	MAIN ROAD PROFILE CH: 20+300 TO CH: 21+000
53	RD-51-J	MAIN ROAD PROFILE CH: 21+000 TO CH: 21+700
54	RD-52-J	MAIN ROAD PROFILE CH: 21+700 TO CH: 22+400
55	RD-53-J	MAIN ROAD PROFILE CH: 22+400 TO CH: 23+100
56	RD-54-J	MAIN ROAD PROFILE CH: 23+100 TO CH: 23+800
57	RD-55-J	MAIN ROAD PROFILE CH: 23+800 TO CH: 24+500
58	RD-56-J	MAIN ROAD PROFILE CH: 24+500 TO CH: 25+200
59	RD-57-J	MAIN ROAD PROFILE CH: 25+200 TO CH: 25+900
60	RD-58-J	MAIN ROAD PROFILE CH: 25+900 TO CH: 26+600
61	RD-59-J	MAIN ROAD PROFILE CH: 26+600 TO CH: 27+300
62	RD-60-J	MAIN ROAD PROFILE CH: 27+300 TO CH: 28+000
63	RD-61-J	MAIN ROAD PROFILE CH: 28+000 TO CH: 28+700
64	RD-62-J	MAIN ROAD PROFILE CH: 28+700 TO CH: 29+400
65	RD-63-J	MAIN ROAD PROFILE CH: 29+400 TO CH: 30+100
66	RD-64-J	MAIN ROAD PROFILE CH: 30+100 TO CH: 30+800
67	RD-65-J	MAIN ROAD PROFILE CH: 30+800 TO CH: 31+500
68	RD-66-J	MAIN ROAD PROFILE CH: 31+500 TO CH: 32+200
69	RD-67-J	MAIN ROAD PROFILE CH: 32+200 TO CH: 32+900
70	RD-68-J	MAIN ROAD PROFILE CH: 32+900 TO CH: 33+600
71	RD-69-J	MAIN ROAD PROFILE CH: 33+600 TO CH: 34+300
72	RD-70-J	MAIN ROAD PROFILE CH: 34+300 TO CH: 35+000
73	RD-71-J	MAIN ROAD PROFILE CH: 35+000 TO CH: 35+700
74	RD-72-J	MAIN ROAD PROFILE CH: 35+700 TO CH: 36+400
75	RD-73-J	MAIN ROAD PROFILE CH: 36+400 TO CH: 37+100
76	RD-74-J	MAIN ROAD PROFILE CH: 37+100 TO CH: 37+800
77	RD-75-J	MAIN ROAD PROFILE CH: 37+800 TO CH: 38+500
78	RD-76-J	MAIN ROAD PROFILE CH: 38+500 TO CH: 39+200
79	RD-77-J	MAIN ROAD PROFILE CH: 39+200 TO CH: 39+900
80	RD-78-J	MAIN ROAD PROFILE CH: 39+900 TO CH: 40+600
81	RD-79-J	MAIN ROAD PROFILE CH: 40+600 TO CH: 41+300
82	RD-80-J	MAIN ROAD PROFILE CH: 41+300 TO CH: 42+000
83	RD-81-J	MAIN ROAD PROFILE CH: 42+000 TO CH: 42+700
84	RD-82-J	MAIN ROAD PROFILE CH: 42+700 TO CH: 43+400
85	RD-83-J	MAIN ROAD PROFILE CH: 43+400 TO CH: 44+100

SL NO.	DWG NO.	TITLE
86	RD-84-J	MAIN ROAD PROFILE CH: 44+100 TO CH: 44+800
87	RD-85-J	MAIN ROAD PROFILE CH: 44+800 TO CH: 45+500
88	RD-86-J	MAIN ROAD PROFILE CH: 45+500 TO CH: 46+200
89	RD-87-J	MAIN ROAD PROFILE CH: 46+200 TO CH: 46+900
90	RD-88-J	MAIN ROAD PROFILE CH: 46+900 TO CH: 47+600
91	RD-89-J	MAIN ROAD PROFILE CH: 47+600 TO CH: 48+300
92	RD-90-J	MAIN ROAD PROFILE CH: 48+300 TO CH: 49+000
93	RD-91-J	MAIN ROAD PROFILE CH: 49+000 TO CH: 49+700
94	RD-92-J	MAIN ROAD PROFILE CH: 49+700 TO CH: 50+400
95	RD-93-J	MAIN ROAD PROFILE CH: 50+400 TO CH: 51+100
96	RD-94-J	MAIN ROAD PROFILE CH: 51+100 TO CH: 51+800
97	RD-95-J	MAIN ROAD PROFILE CH: 51+800 TO CH: 52+500
98	RD-96-J	MAIN ROAD PROFILE CH: 52+500 TO CH: 53+200
99	RD-97-J	MAIN ROAD PROFILE CH: 53+200 TO CH: 53+900
100	RD-98-J	MAIN ROAD PROFILE CH: 53+900 TO CH: 54+600
101	RD-99-J	MAIN ROAD PROFILE CH: 54+600 TO CH: 55+300
102	RD-100-J	MAIN ROAD PROFILE CH: 55+300 TO CH: 56+000
103	RD-101-J	MAIN ROAD PROFILE CH: 56+000 TO CH: 56+700
104	RD-102-J	MAIN ROAD PROFILE CH: 56+700 TO CH: 57+400
105	RD-103-J	MAIN ROAD PROFILE CH: 57+400 TO CH: 58+100
106	RD-104-J	MAIN ROAD PROFILE CH: 58+100 TO CH: 58+800
107	RD-105-J	MAIN ROAD PROFILE CH: 58+800 TO CH: 59+500
108	RD-106-J	MAIN ROAD PROFILE CH: 59+500 TO CH: 60+200
109	RD-107-J	MAIN ROAD PROFILE CH: 60+200 TO CH: 60+900
110	RD-108-J	MAIN ROAD PROFILE CH: 60+900 TO CH: 61+600
111	RD-109-J	MAIN ROAD PROFILE CH: 61+600 TO CH: 62+300
112	RD-110-J	MAIN ROAD PROFILE CH: 62+300 TO CH: 63+000
113	RD-111-J	MAIN ROAD PROFILE CH: 63+000 TO CH: 63+700
114	RD-112-J	MAIN ROAD PROFILE CH: 63+700 TO CH: 64+400
115	RD-113-J	MAIN ROAD PROFILE CH: 64+400 TO CH: 65+100
116	RD-114-J	MAIN ROAD PROFILE CH: 65+100 TO CH: 65+296.908
<b>D. INTERCHANGES</b>		
117	JE-007-R	ADDITIONAL JUNCTION PLAN
118	JE-008-R	ADDITIONAL JUNCTION CROSS SECTION
119	JE-009-R	TOLL LANE (ENTRY-SPIRAL)
120	JE-010-R	TOLL LANE (EXIT-SPIRAL)
121	JE-011-R	TOLL LANE (ENTRY-NORMAL)
122	JE-012-R	TOLL LANE (EXIT-NORMAL)
123	JE-013-R	TOLL PLAZA BUILDING FLOOR PLAN
124	JE-014-R	TOLL PLAZA BUILDING FLOOR PLAN
125	JE-015-R	JUNCTION BOX
<b>E. GEOTECHNICAL INVESTIGATION REPORT</b>		

# **A. TYPICAL CROSS SECTION**



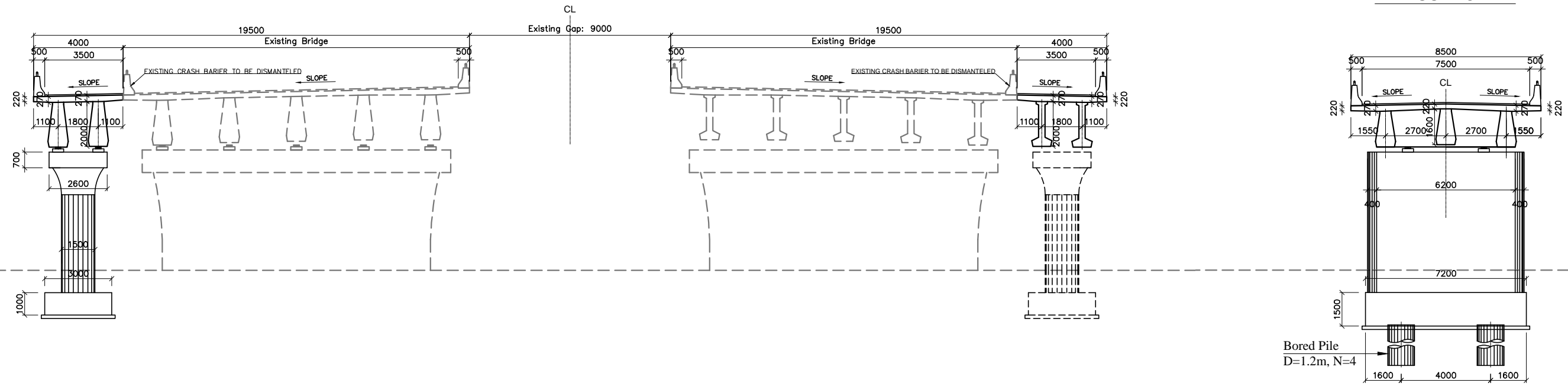


Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	TYPICAL CROSS SECTION FOR SERVICE ROAD	JE001-R		A1	1:100	July 2015

< AT SUPPORT >

< AT MID SPAN >

< AT SUPPORT >



< PC-I GIRDER (L=2@30m, W=2@4m) >

< PC-I GIRDER (L=2@23.25m, W=1@8.5m) >

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< AT MID SPAN >

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< PC-I GIRDER (L=2@23.25m, W=2@8.5m) >

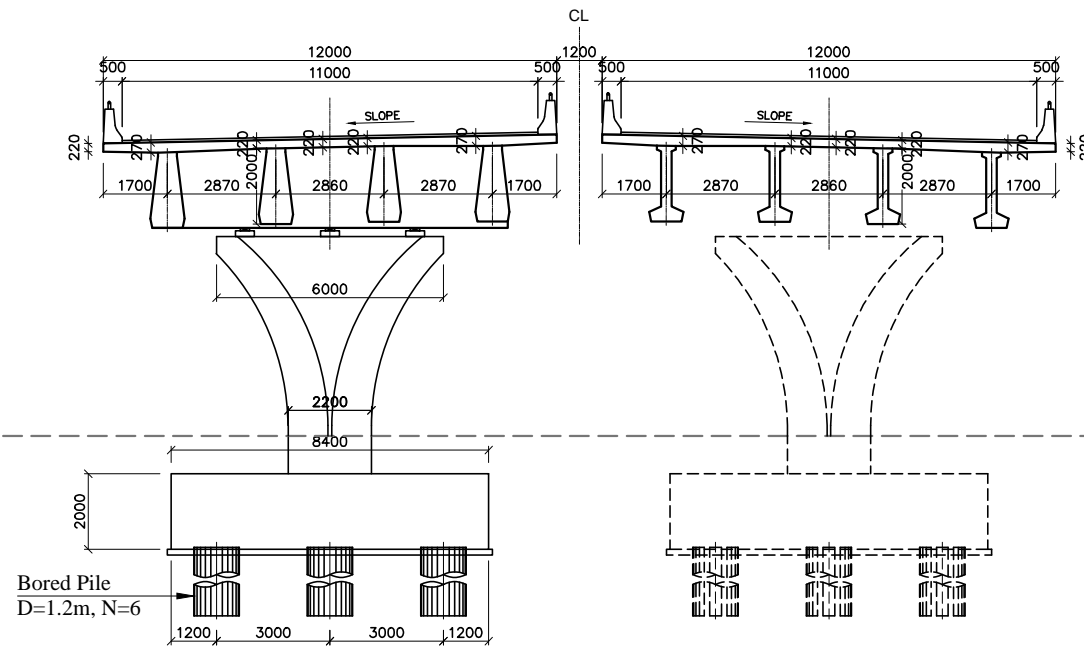
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Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India		JE-002-S		A1	1:100	July 2015

TYPICAL DETAILS OF BRIDGES

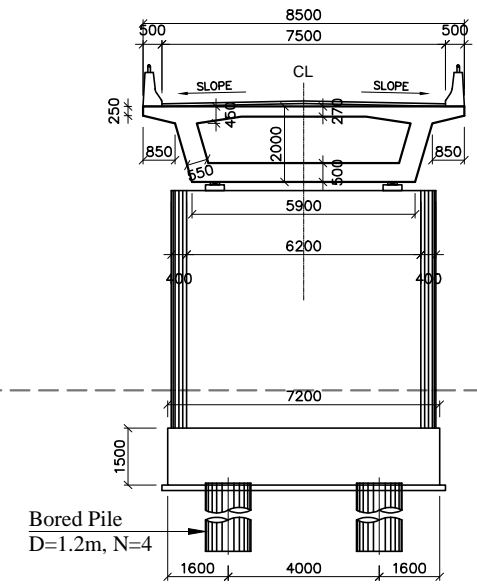
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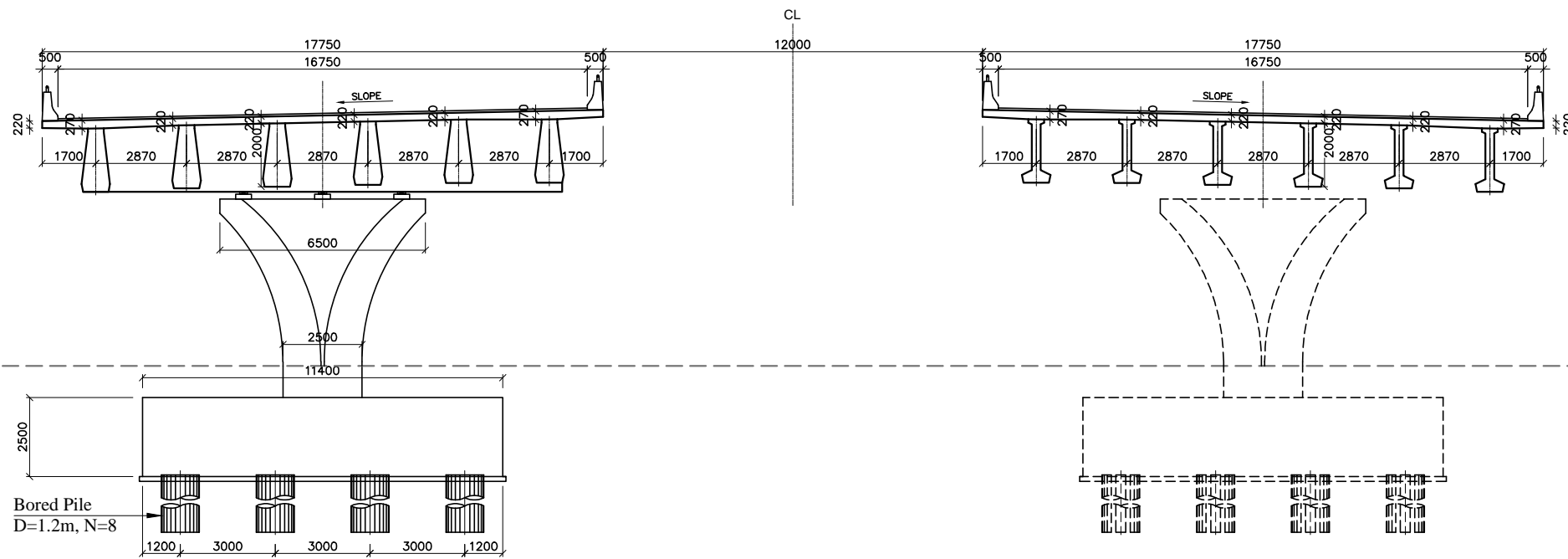
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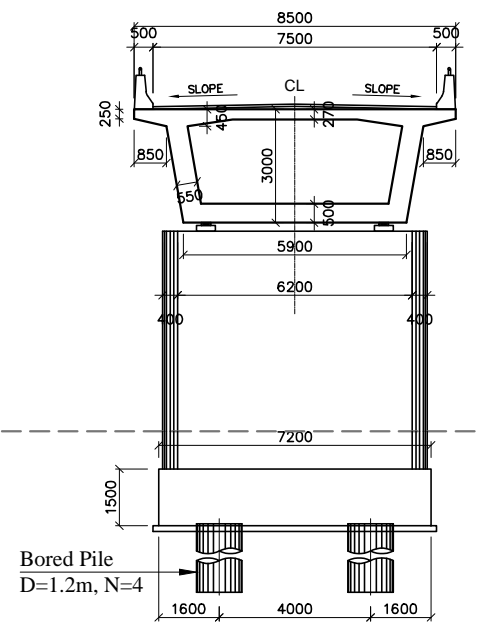
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< PC-I GIRDER (L=3@30m, W=2@17.75m) >

< AT SUPPORT >

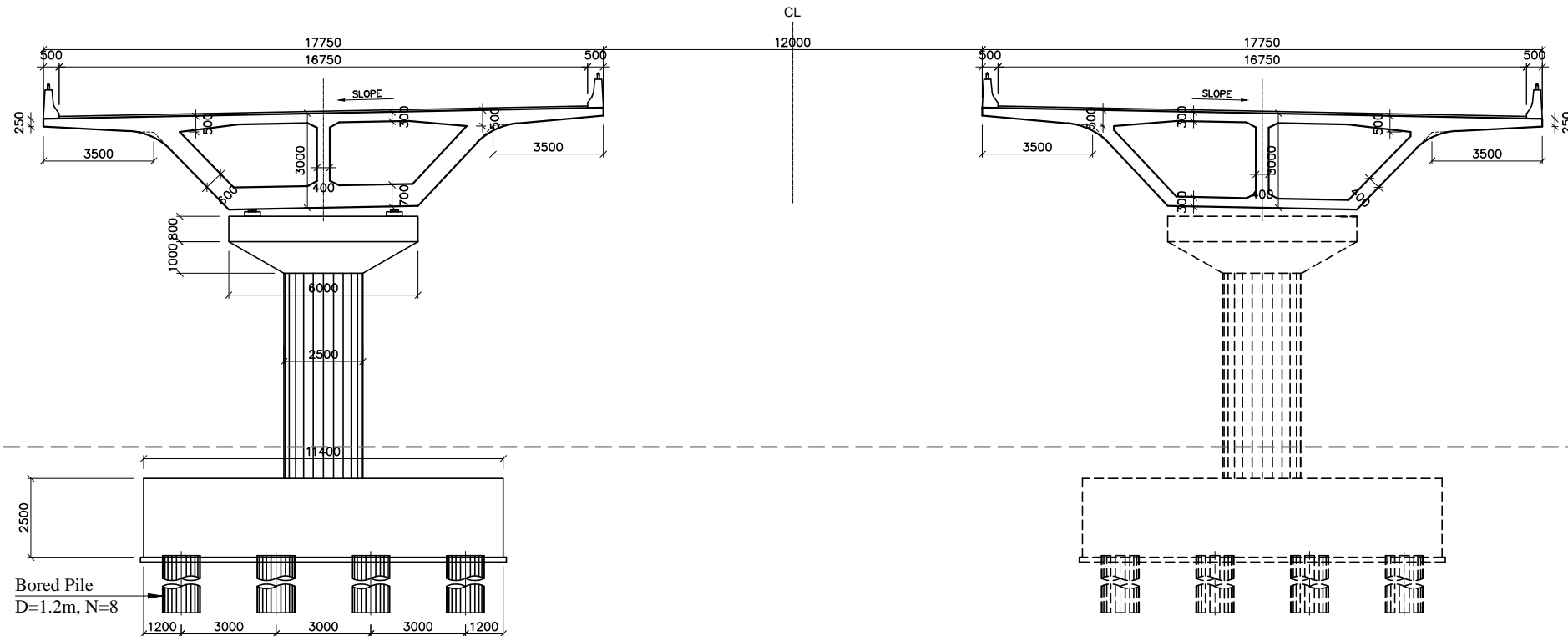


< PC BOX GIRDER (L=2@60m, W=1@8.5m) >

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title TYPICAL DETAILS OF BRIDGES	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			JE-003-S		A1	1:100	July 2015

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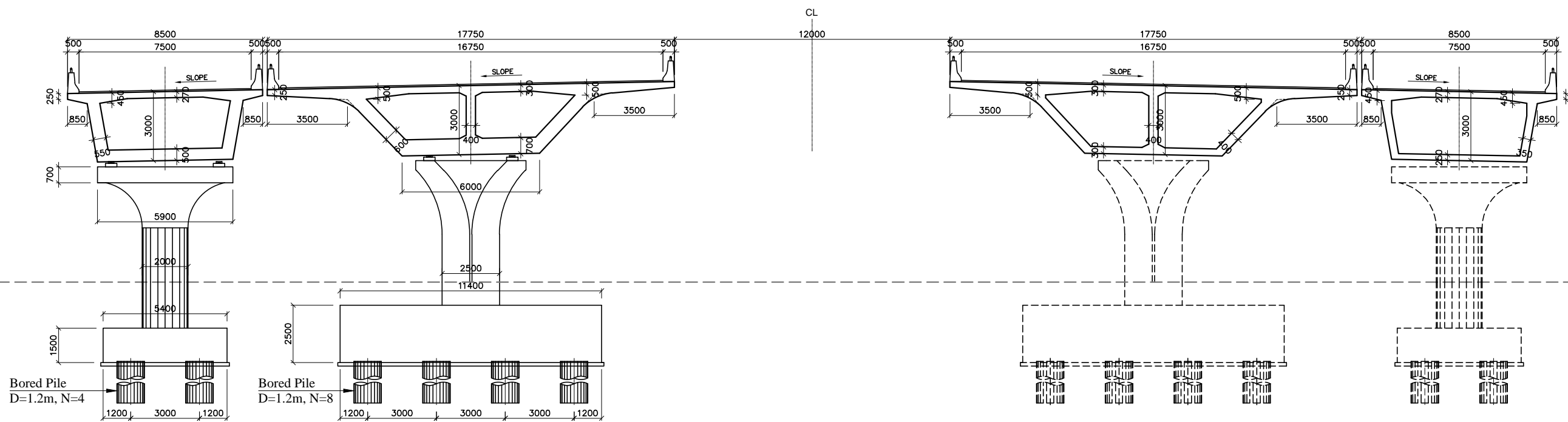
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< PC BOX GIRDER (L=40m+60m+40m, W=2@17.75m) >

< AT SUPPORT >

< AT MID SPAN >

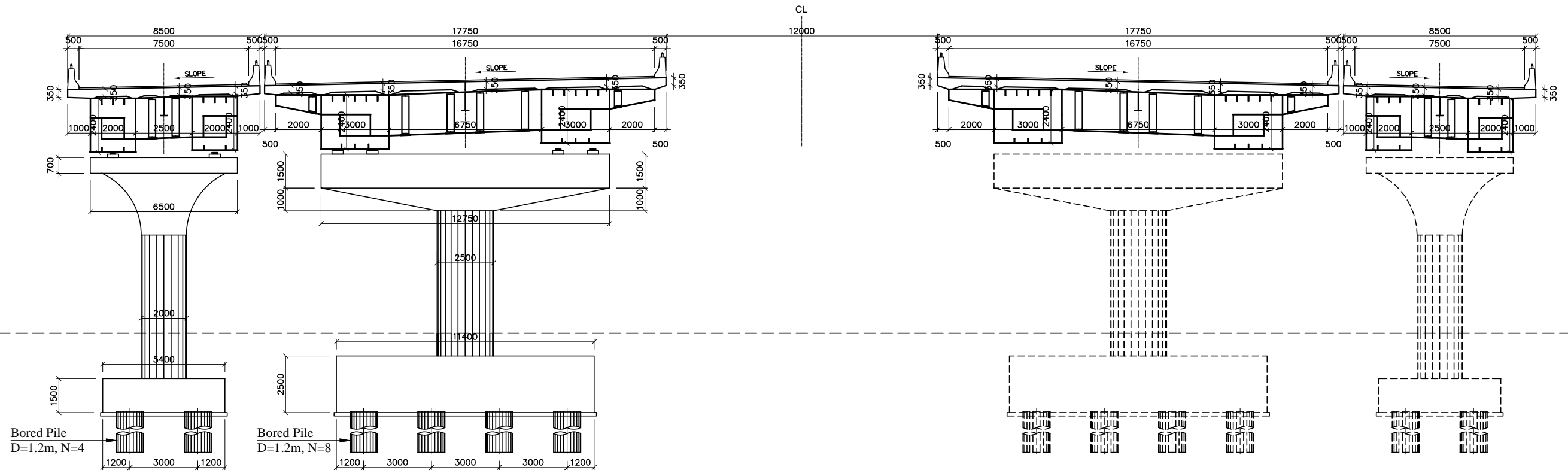


< PC BOX GIRDER (L=1@60m / 60m+3@45m, W=8.5m+2@17.75m+8.5m) >

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	TYPICAL DETAILS OF BRIDGES	JE-004-S		A1	1:100	July 2015

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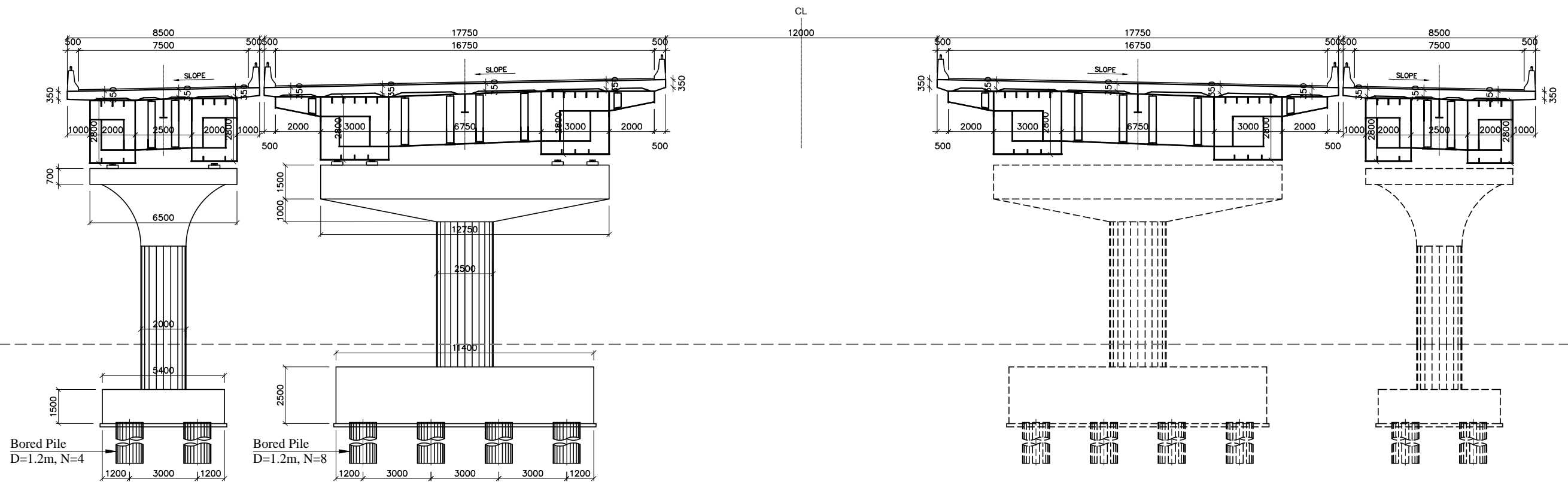
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< STEEL BOX GIRDER (L=35m+60m+35m, W=8.5+2@17.75+8.5m) >

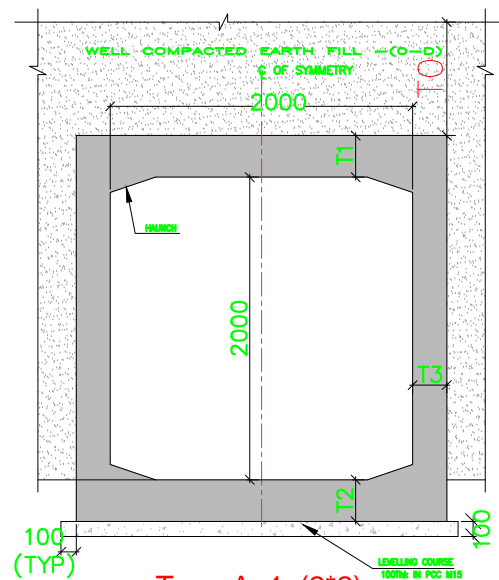
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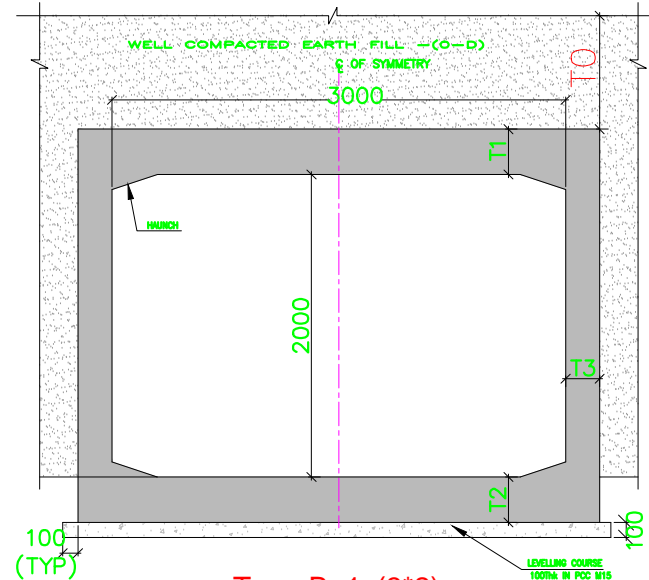


< STEEL BOX GIRDER (L=40m+70m+40m, W=8.5+2@17.75+8.5m) >

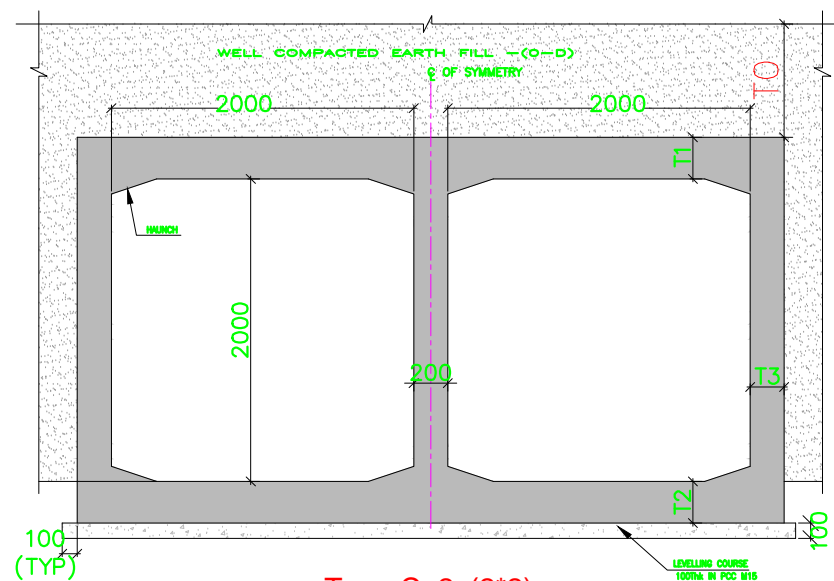
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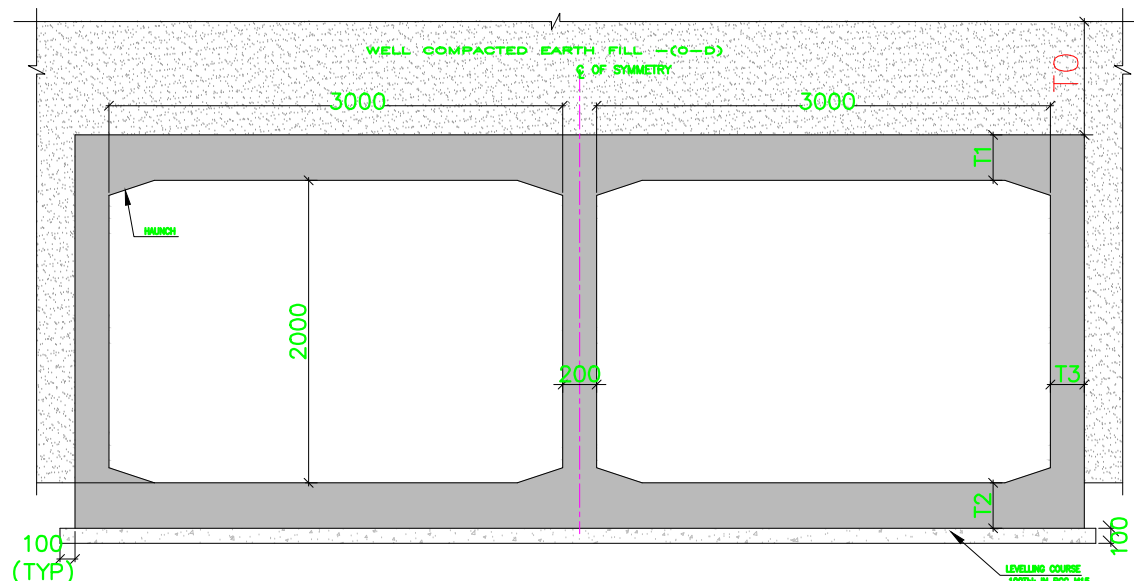
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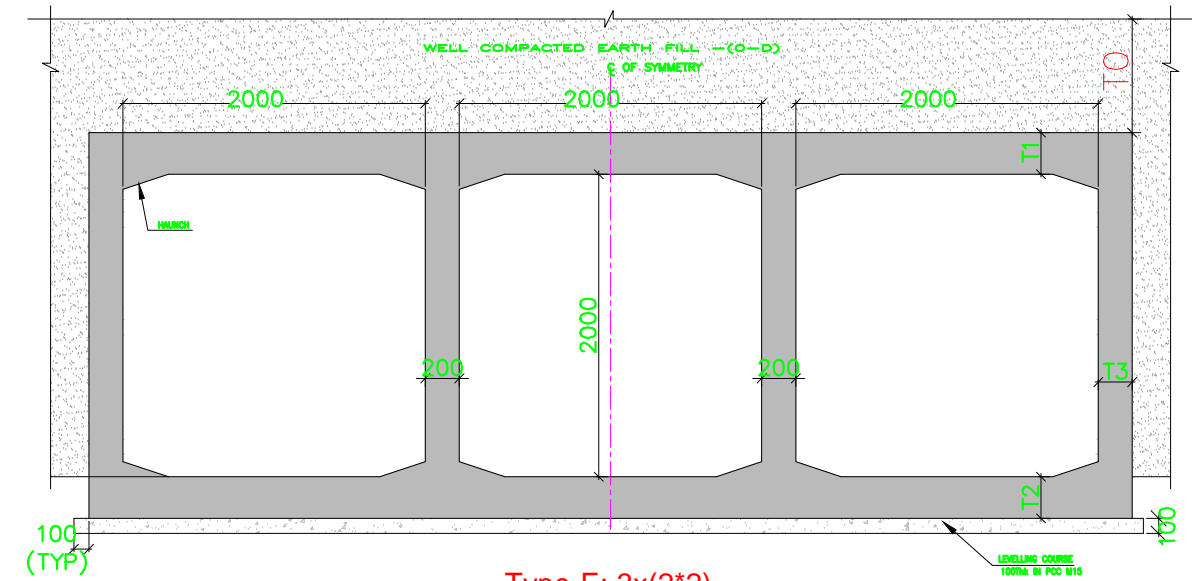
Type-B: 1x(3\*2)



Type-C: 2x(2\*2)

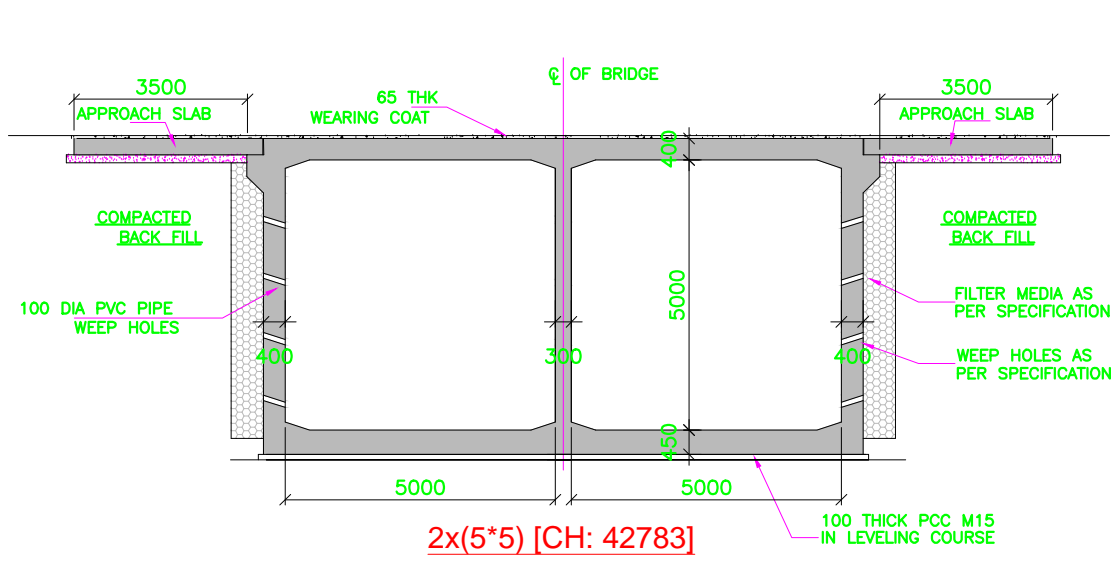


Type-D: 2x(3\*2)

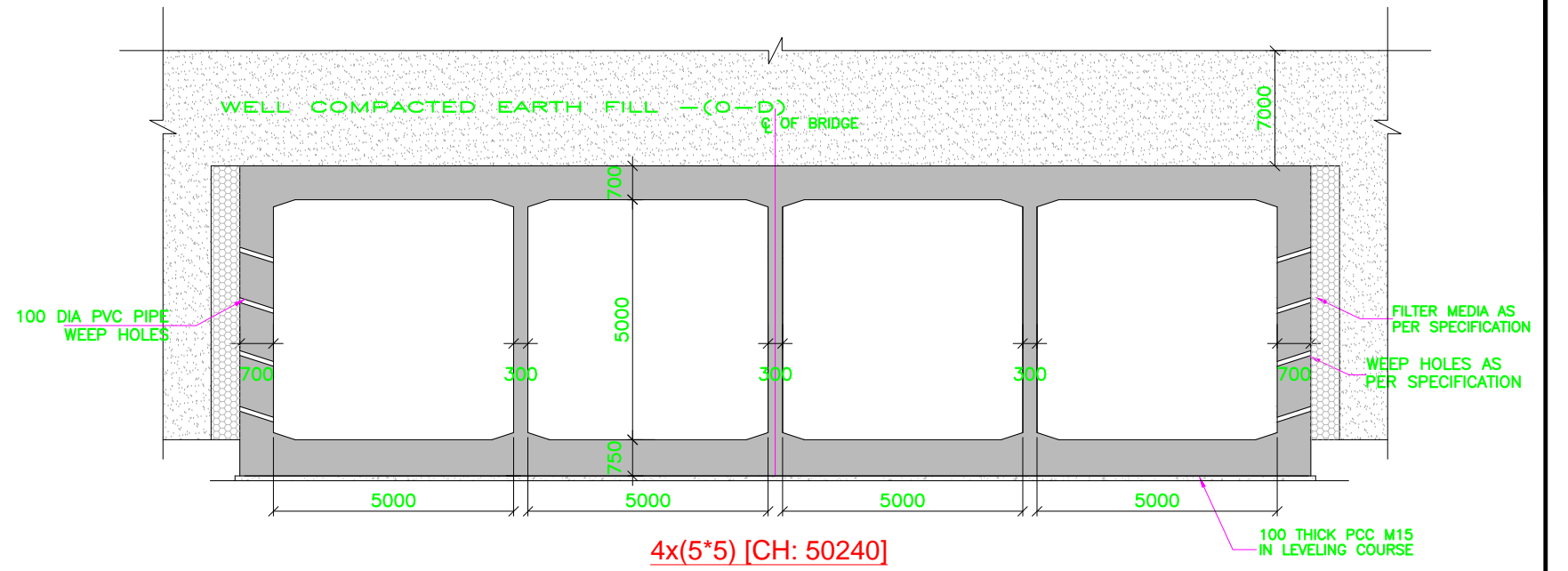


Type-E: 3x(2\*2)

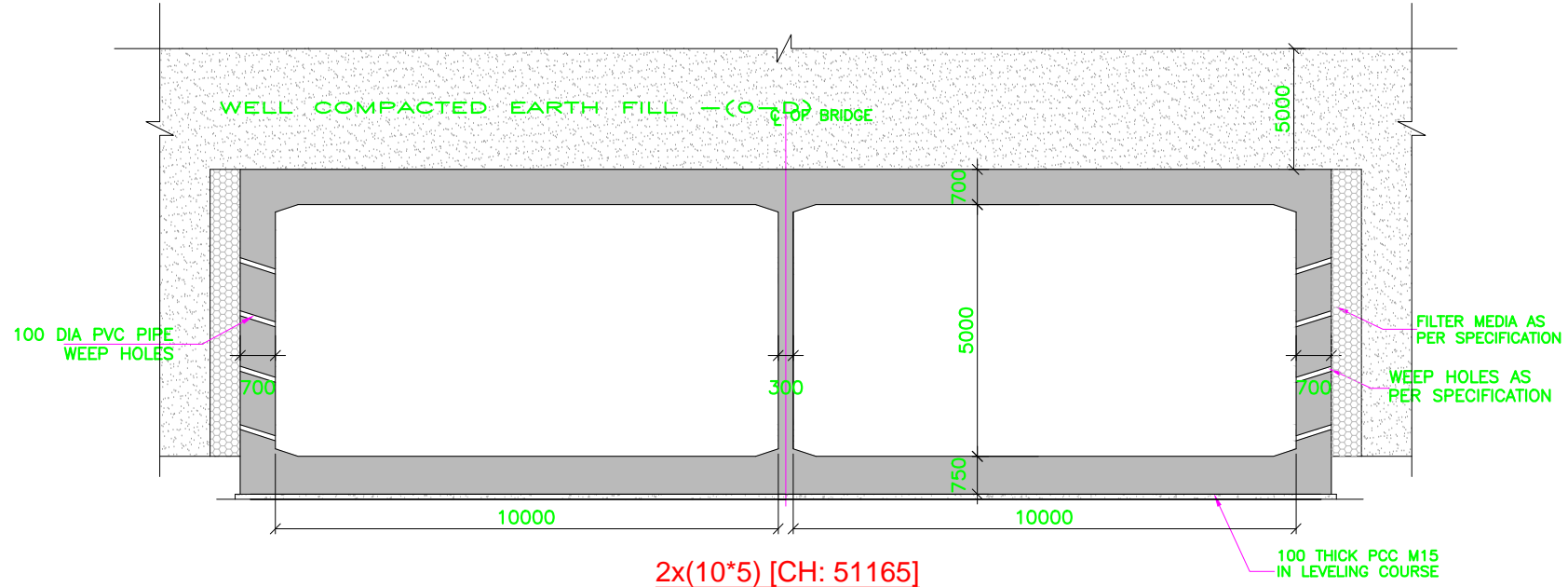
Thickness of Components						
Type		Earth Cover T0 (m)	Upper Slab T1 (mm)	Bottom Slab T2 (mm)	Outer Slab T3 (mm)	Intermediate Wall (mm)
Type-A	1x(2m*2m)	0.2 - 5.75	200	200	200	-
		5.75 - 7.75	250	250	200	-
		7.75 - 10.0	300	300	250	-
Type-B	1x(3m*2m)	0.2 - 2.5	250	250	200	-
		2.5 - 4.0	300	300	250	-
		4.0 - 5.5	350	350	300	-
		5.5 - 6.75	400	400	300	-
		6.75 - 8.0	450	450	350	-
		8.0 - 9.0	500	500	400	-
		9.0 - 10.0	550	550	450	-
		10.0 - 11.0	600	600	500	-
11.0 - 12.0	650	650	550	-		
Type-C	2x(2m*2m)	0.2 - 5.75	200	200	200	200
		5.75 - 7.75	250	250	200	200
		7.75 - 10.0	300	300	250	200
Type-D	2x(3m*2m)	0.2 - 2.5	250	250	200	200
Type-E	3x(2m*2m)	0.2 - 5.75	200	200	200	200



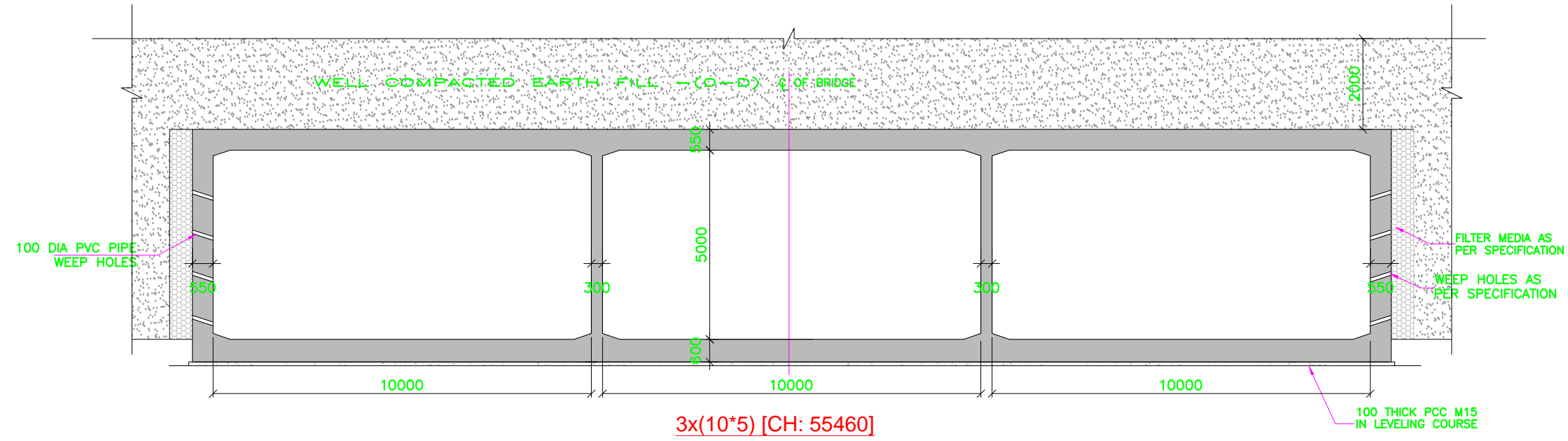
**2x(5\*5) [CH: 42783]**



**4x(5\*5) [CH: 50240]**

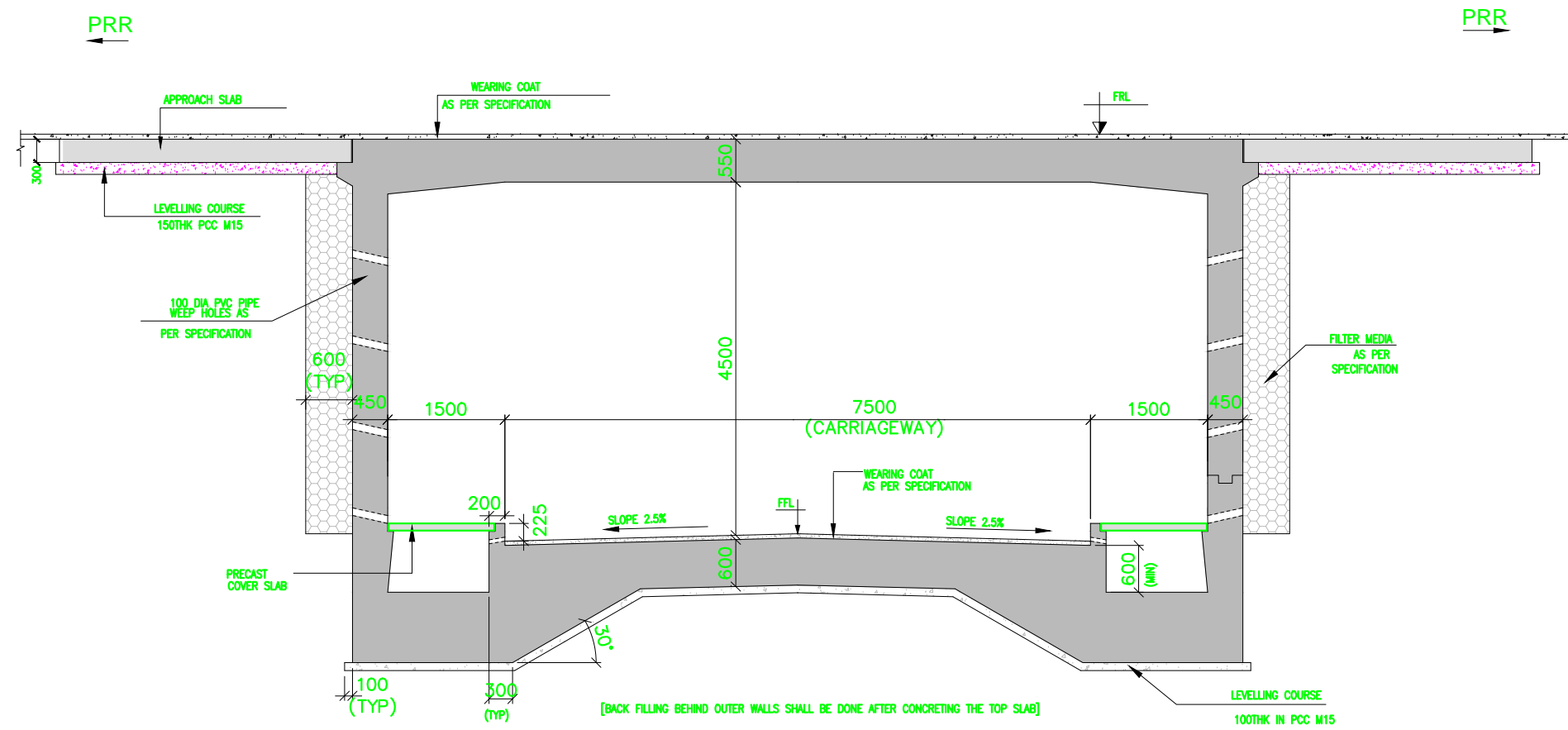


**2x(10\*5) [CH: 51165]**



**3x(10\*5) [CH: 55460]**

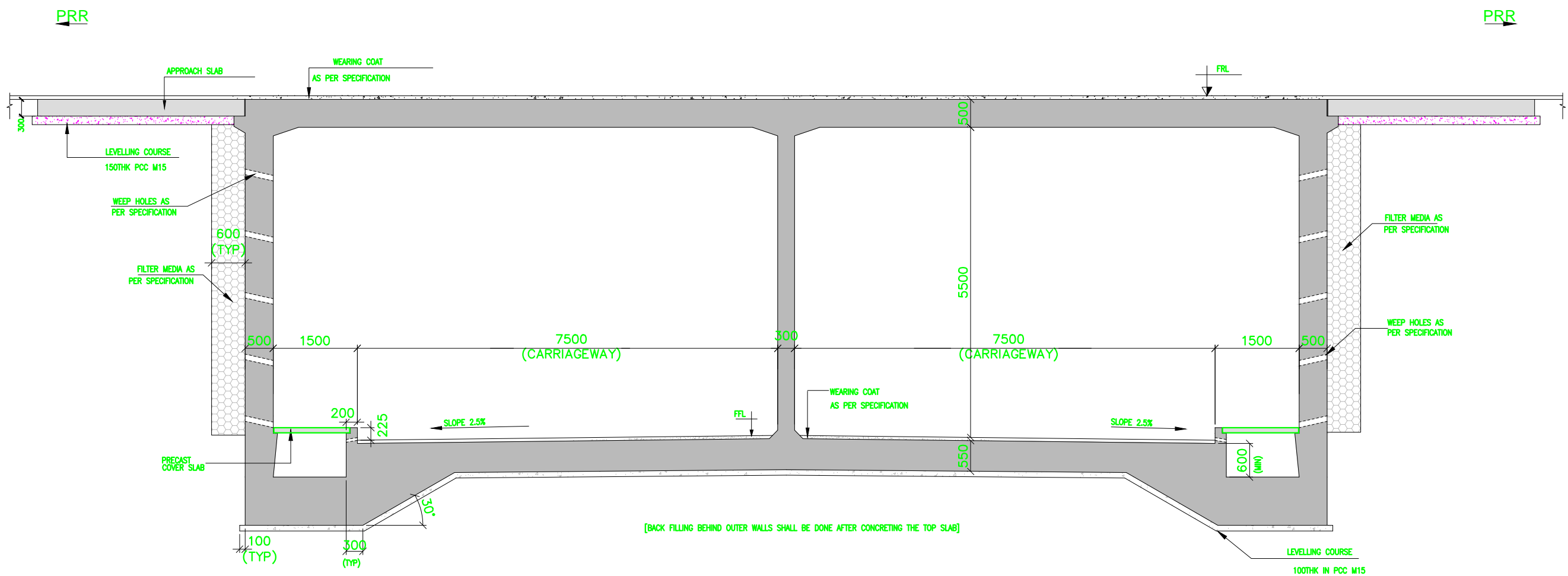
Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	TYPICAL DETAILS OF MINOR BRIDGE	TD-02-J	TD-02	A1	1:70	July 2015



**TYPICAL DETAILS OF PEDESTRIAN UNDERPASS**

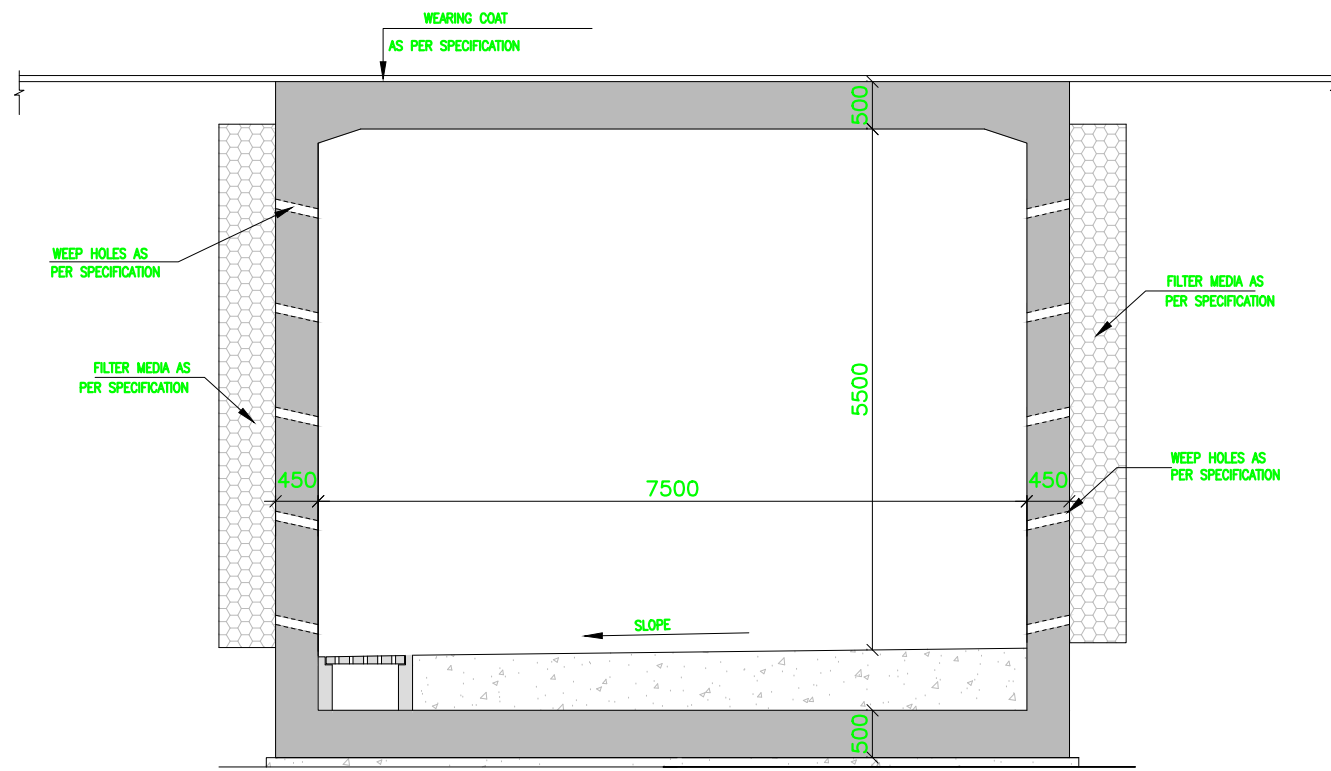
Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
				JICA Experts on Bangaluru Peripheral Ring Road Project in India	TYPICAL DETAILS OF PEDESTRIAN UNDERPASS	TD-03-J	TD-03



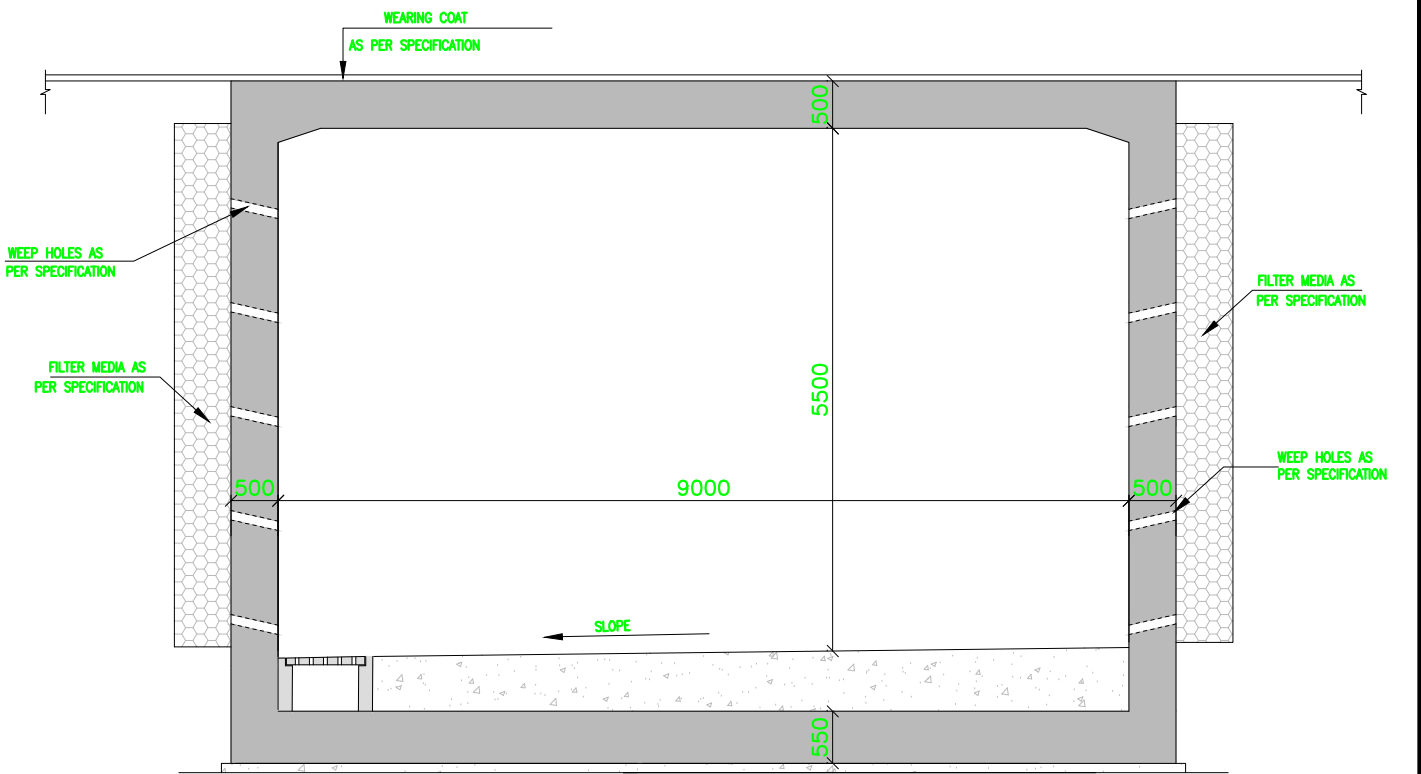


**TYPICAL DETAILS OF VECHICULAR UNDERPASS**

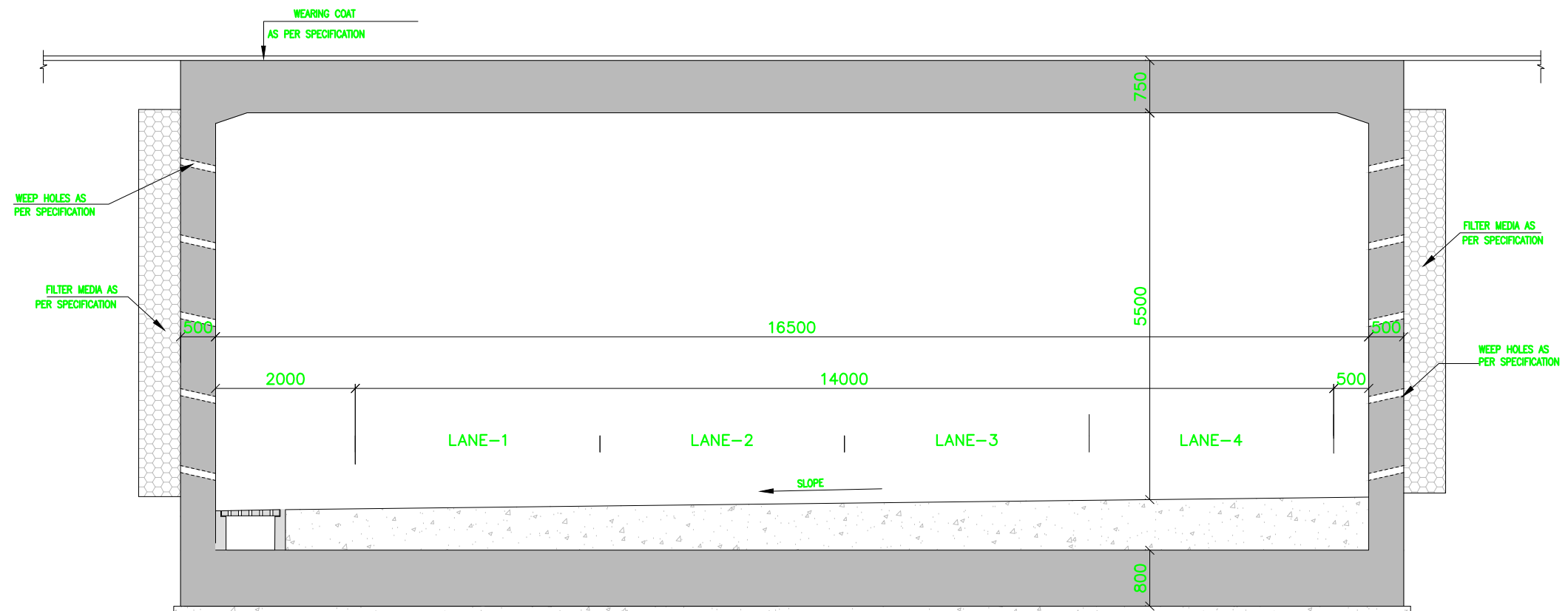
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title TYPICAL DETAILS OF VECHICULAR UNDERPASS	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			TD-04-J	TD-04	A1	1:40	July 2015



1x(7.5\*5.5)



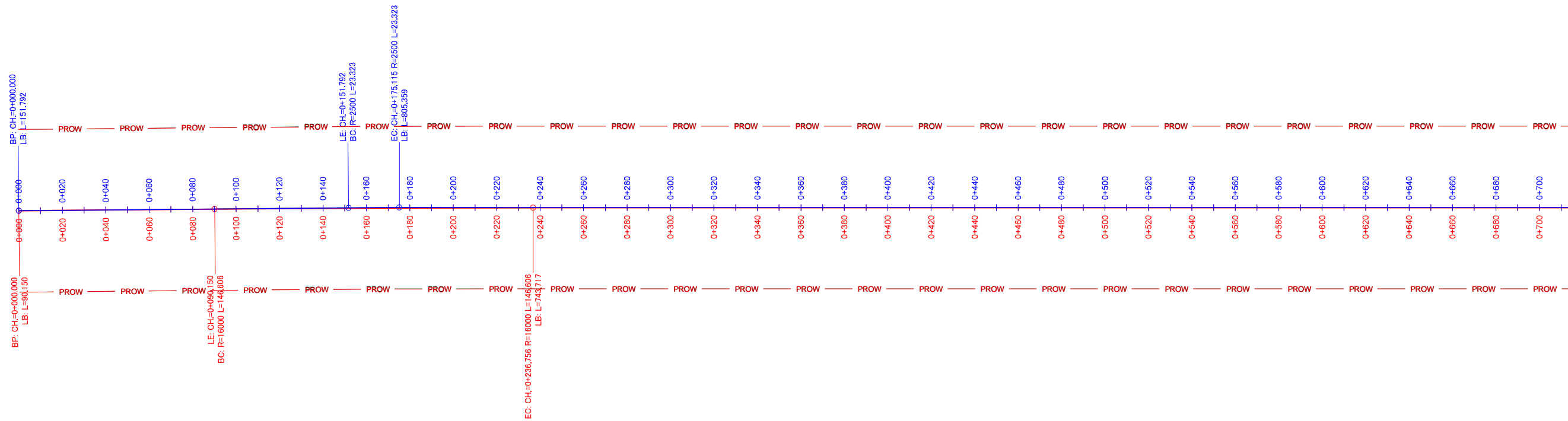
1x(9.0\*5.5)



1x(16.5\*5.5)

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title TYPICAL DETAILS OF UNDERPASS	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			JE-006-R		A1	1:40	July 2015

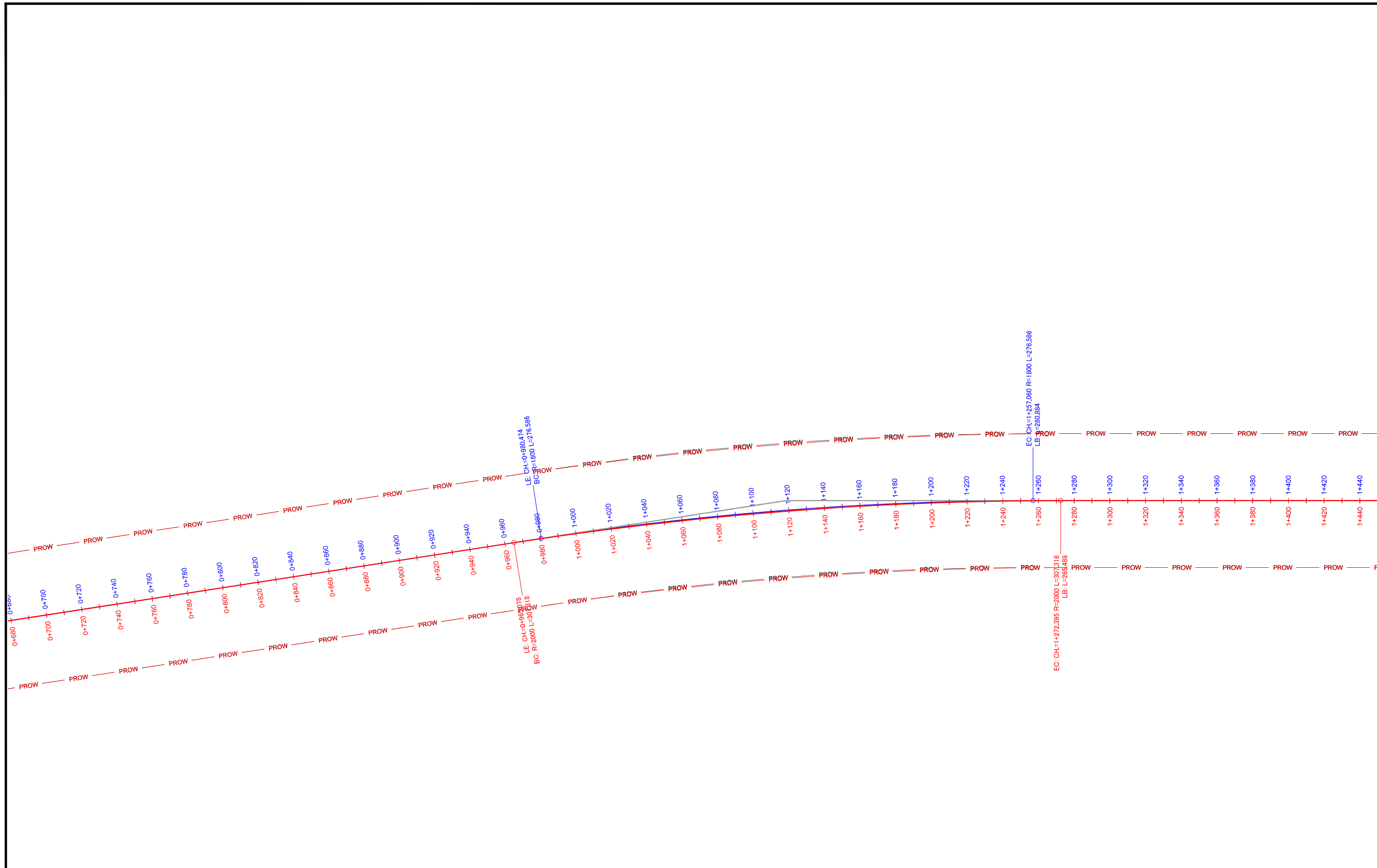
## **B. HORIZONTAL ALIGNMENT**



LEGEND

<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

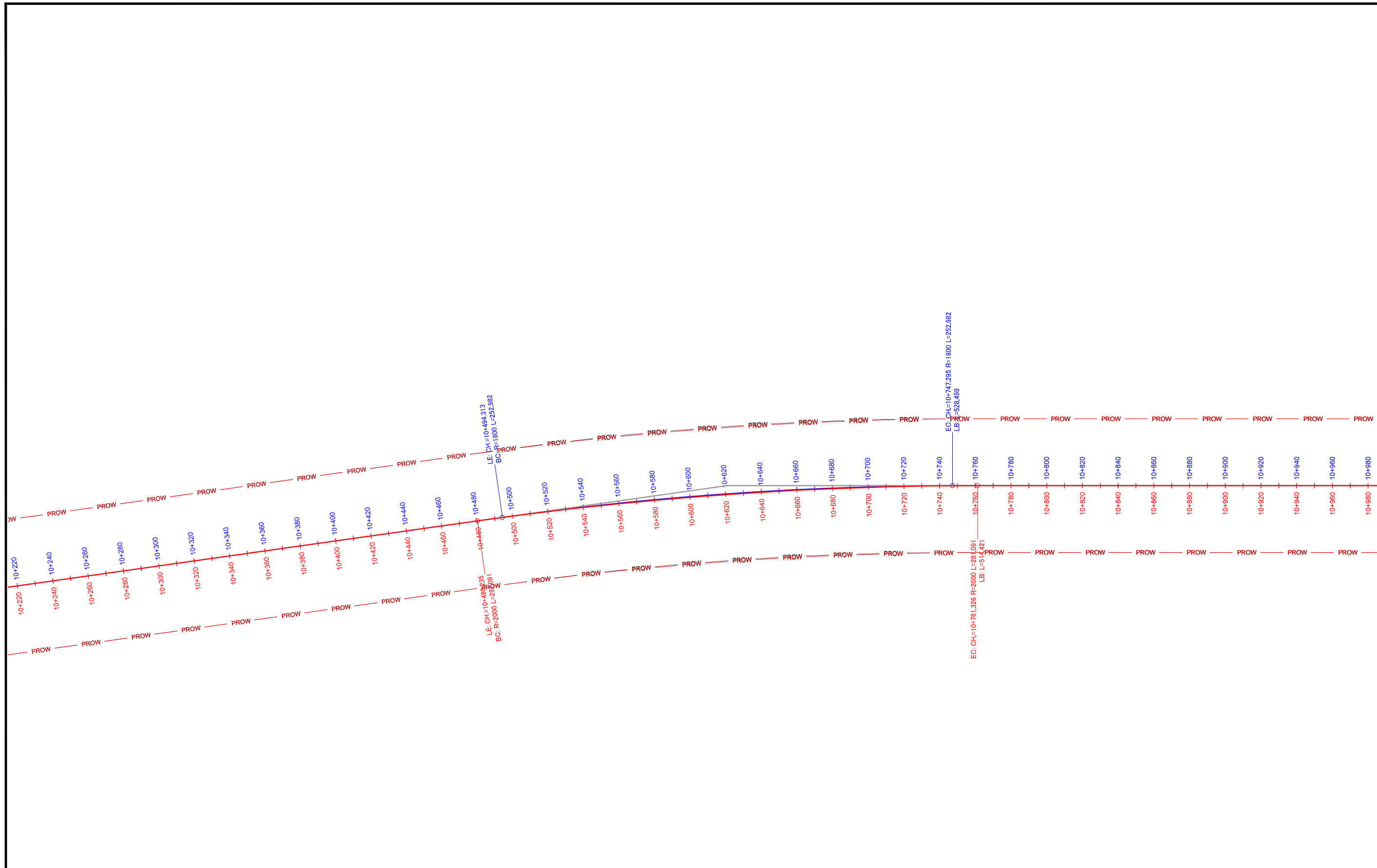
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD ALIGNMENT CH: 0 TO CH:700	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-21-J	RD-21	A1	1:1000	July 2015



**LEGEND**

<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

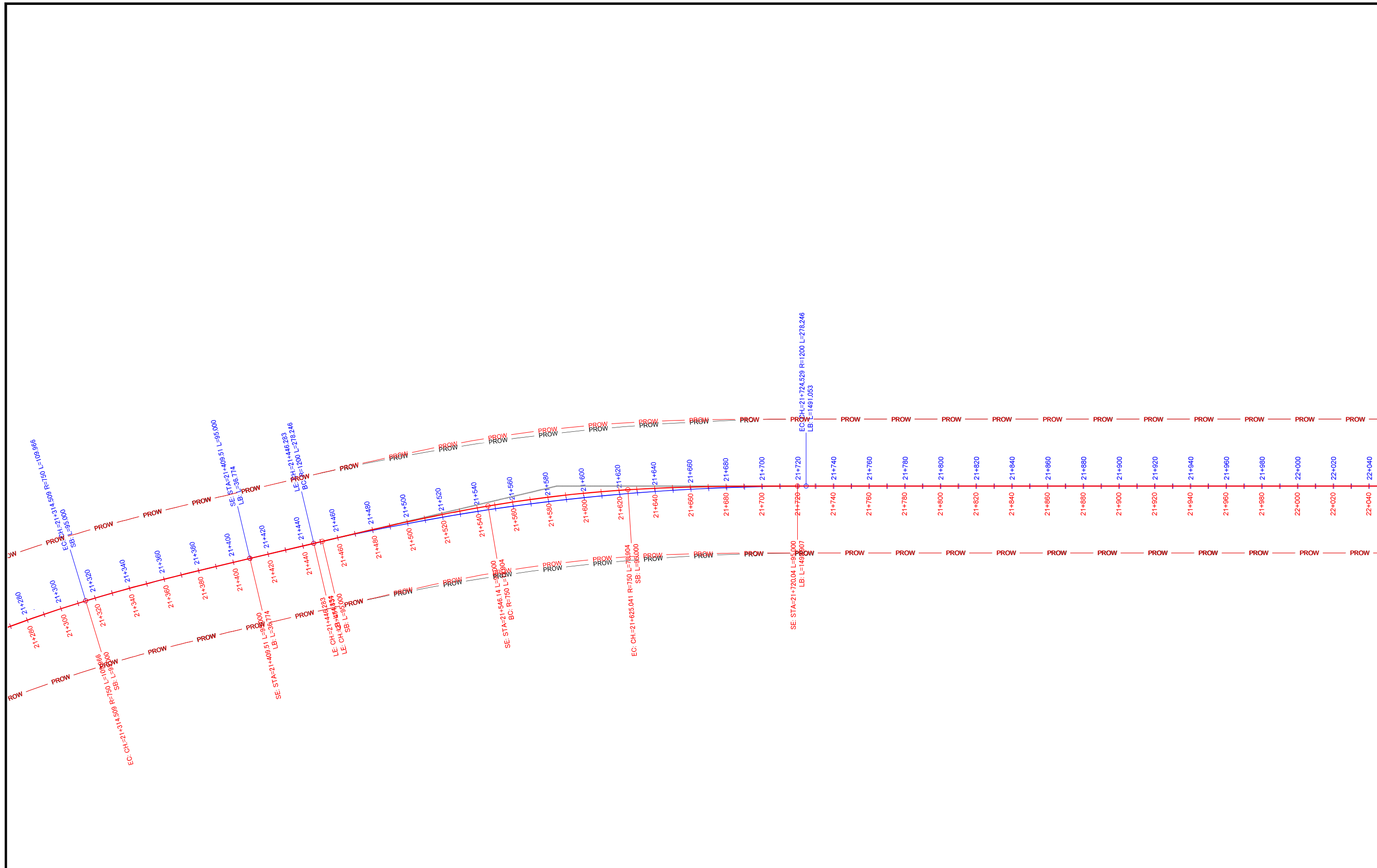
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD ALIGNMENT CH: 700 TO CH:1400	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-22-J	RD-22	A1	1:1000	July 2015



LEGEND

<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

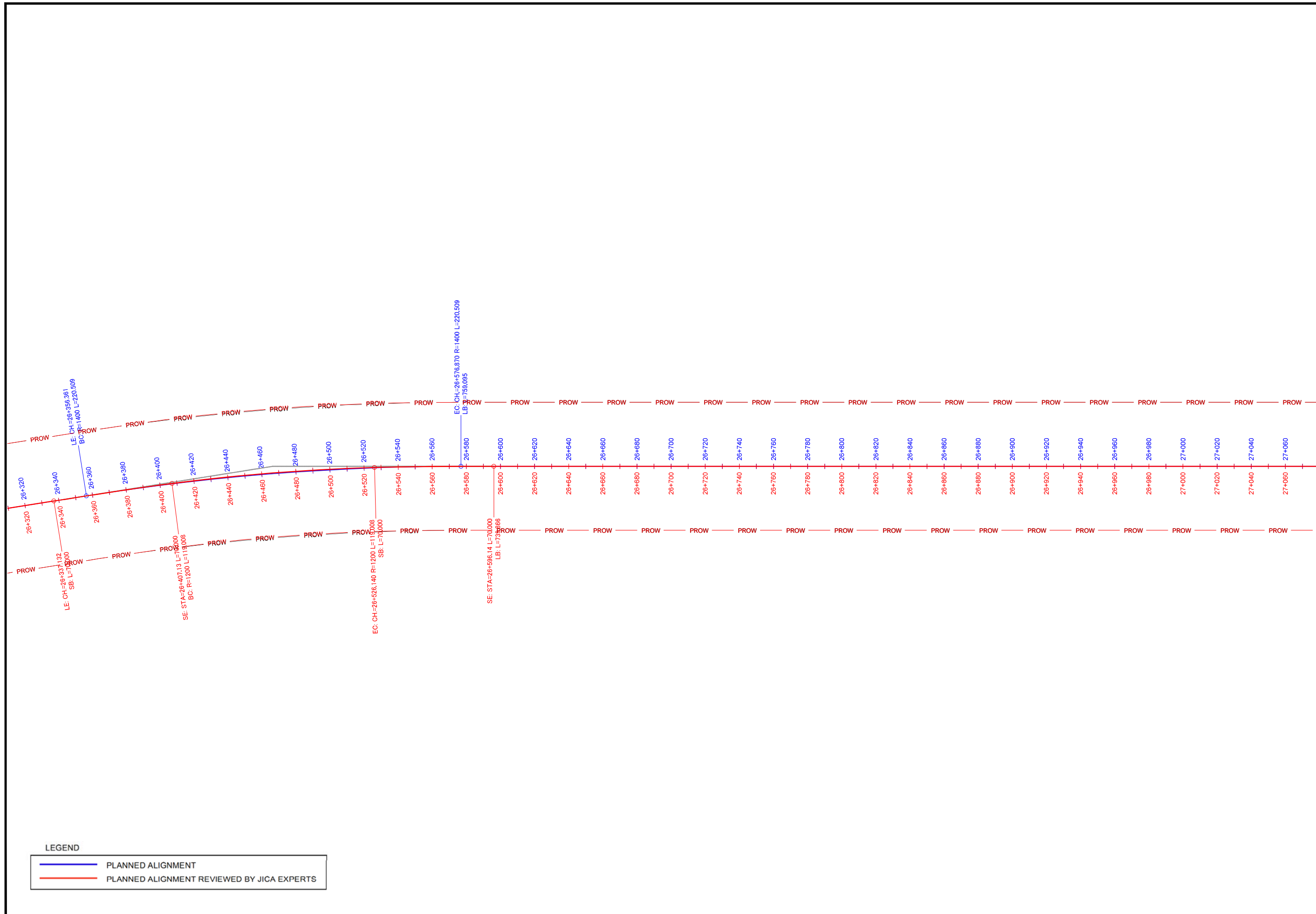
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD ALIGNMENT CH: 10240 TO CH:10960	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-35-J, RD-36-J	RD-35, RD-36	A1	1:1000	July 2015



**LEGEND**

<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD ALIGNMENT CH: 21280 TO CH: 22040	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-51-J, RD-52-J	RD-51, RD-52	A1	1:1000	July 2015

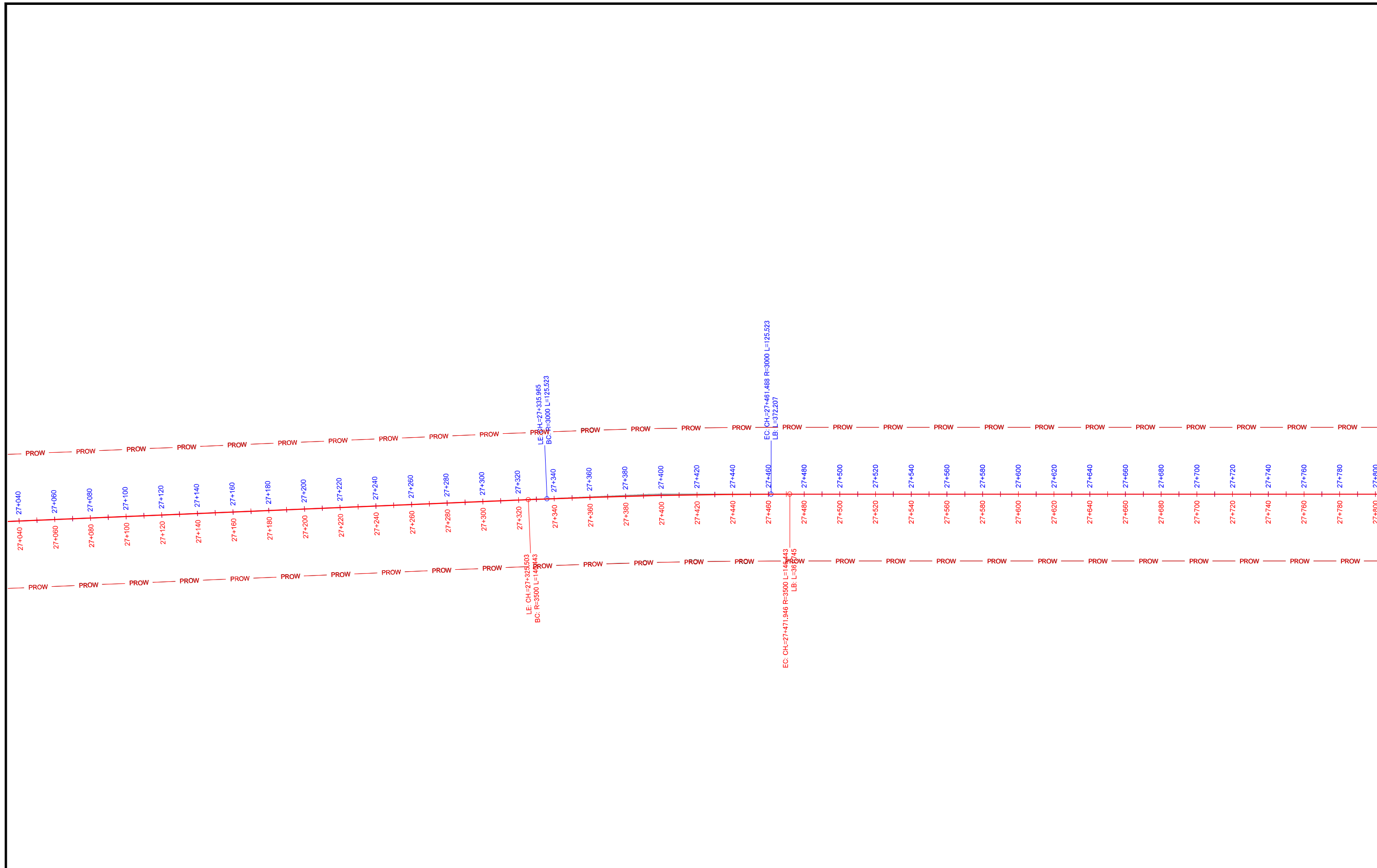


**LEGEND**

<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD ALIGNMENT CH: 26320TO CH: 27060	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-58-J	RD-58	A1	1:1000	July 2015

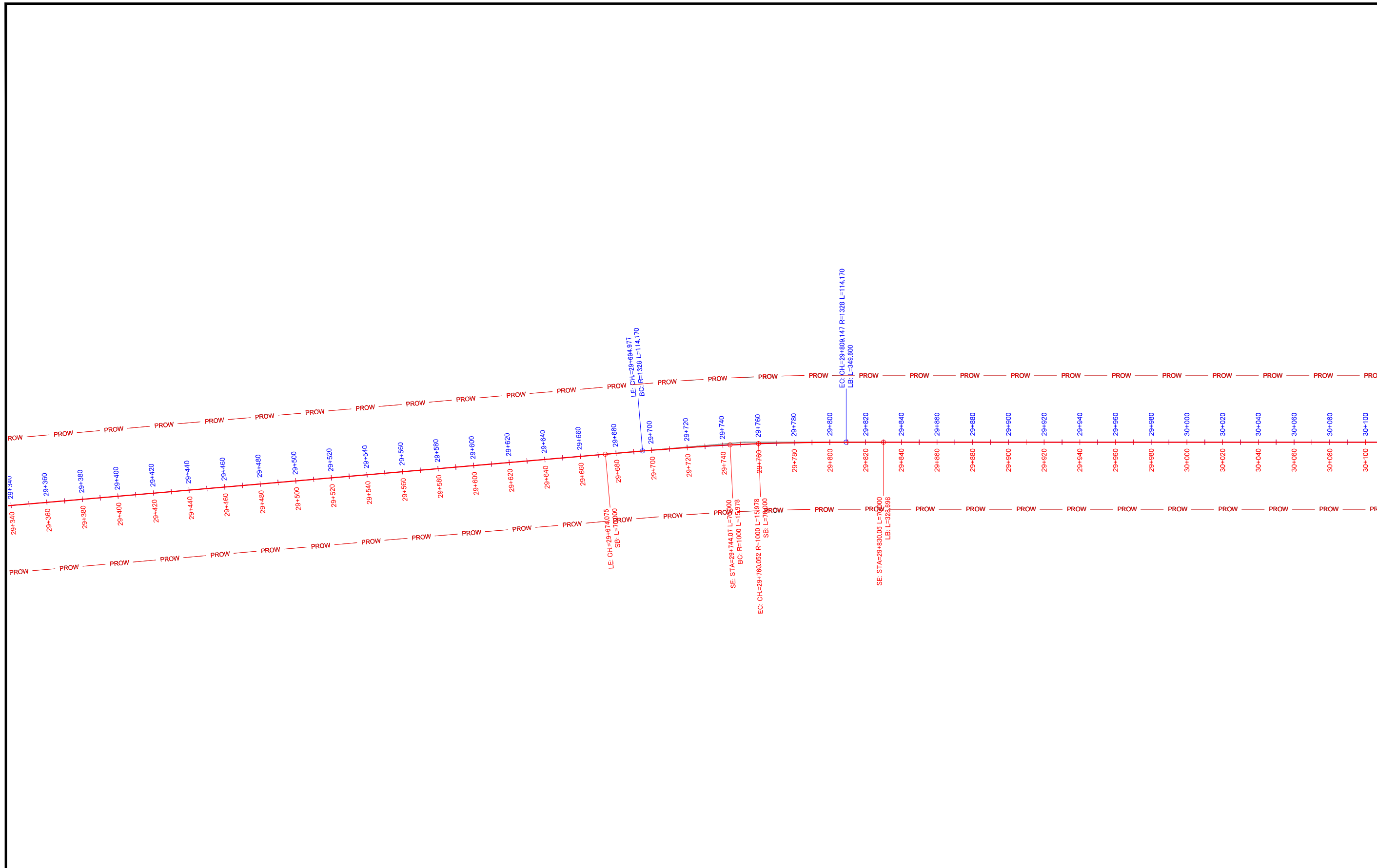




LEGEND

<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

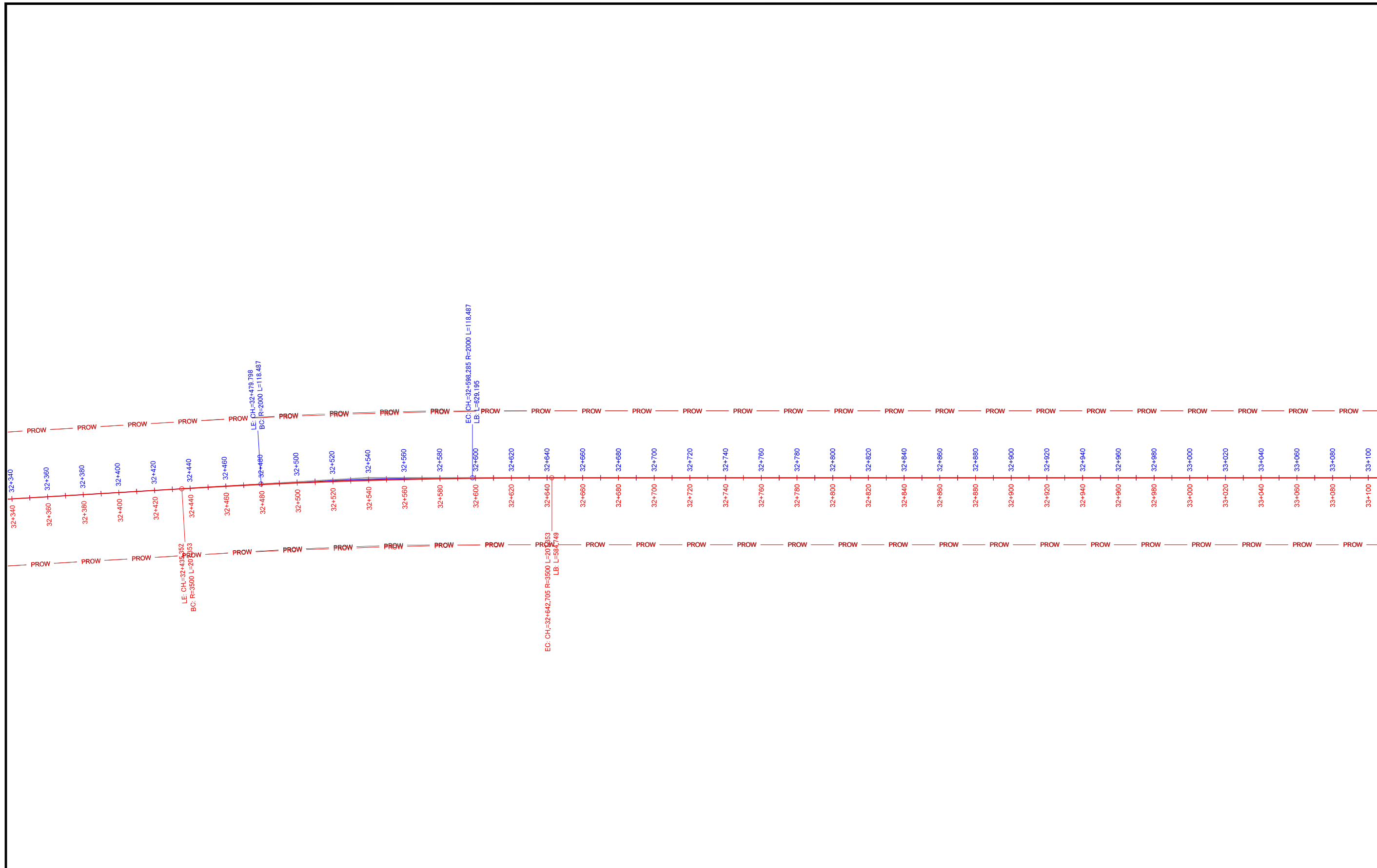
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD ALIGNMENT CH: 27040 TO CH: 27780	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-60-J	RD-60	A1	1:1000	July 2015



**LEGEND**

<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

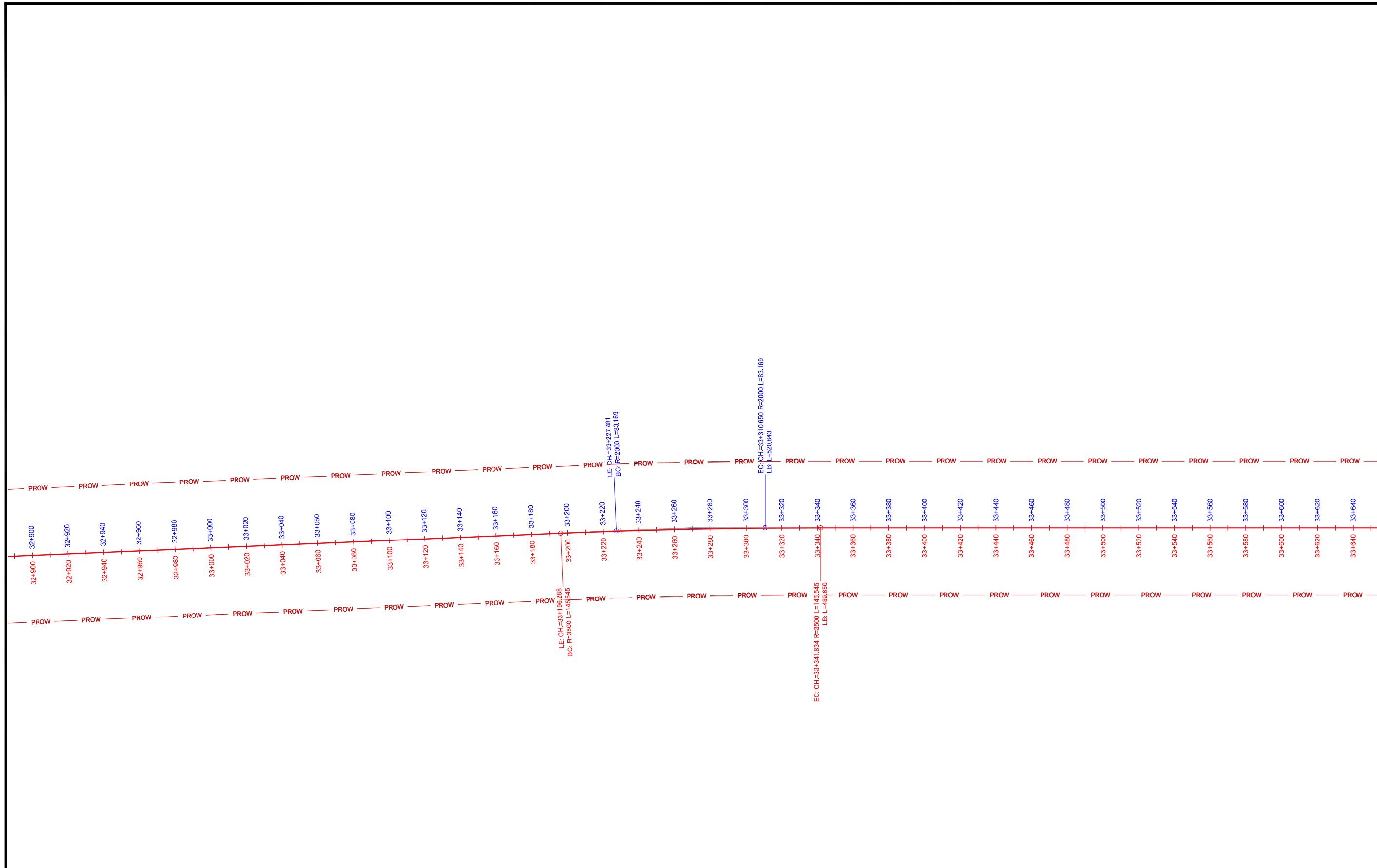
Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD ALIGNMENT CH: 29360TO CH: 30100	RD-63-J	RD-63	A1	1:1000	July 2015





LEGEND

<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

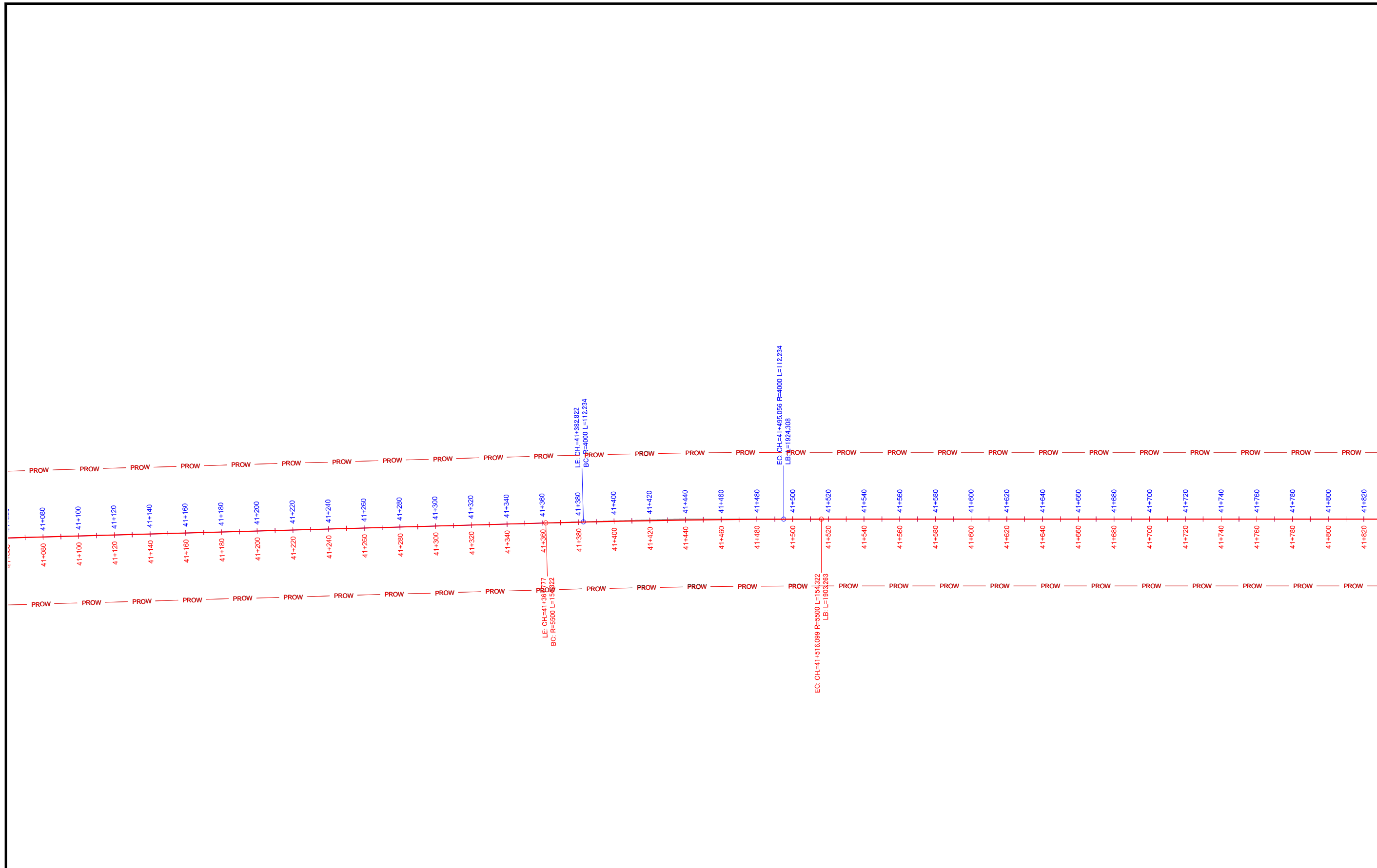
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD ALIGNMENT CH: 32360TO CH: 33080	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-67-J	RD-67	A1	1:1000	July 2015



LEGEND

	PLANNED ALIGNMENT
	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

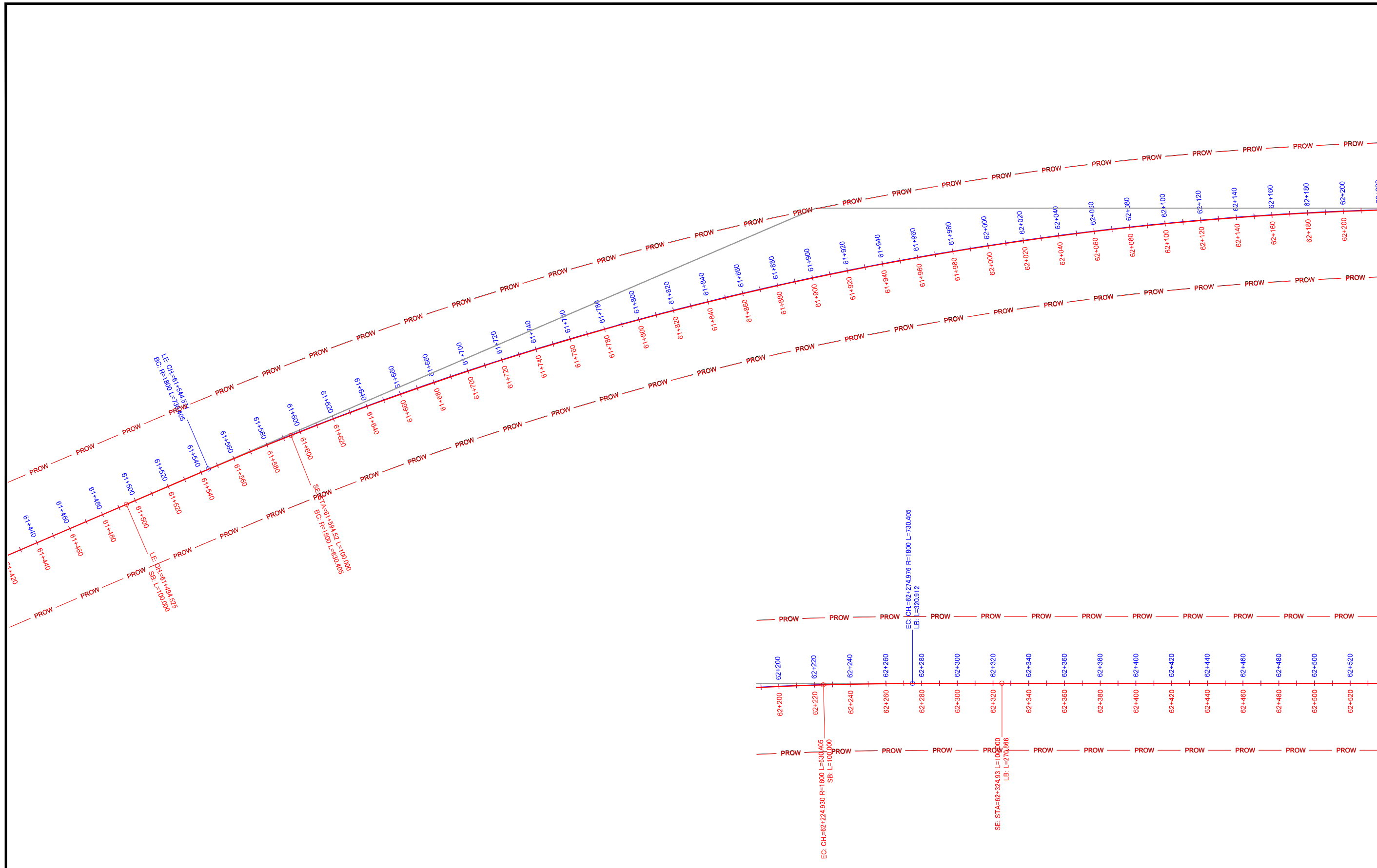
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD ALIGNMENT CH: 32900TO CH: 33640	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-68-J	RD-68	A1	1:1000	July 2015



LEGEND

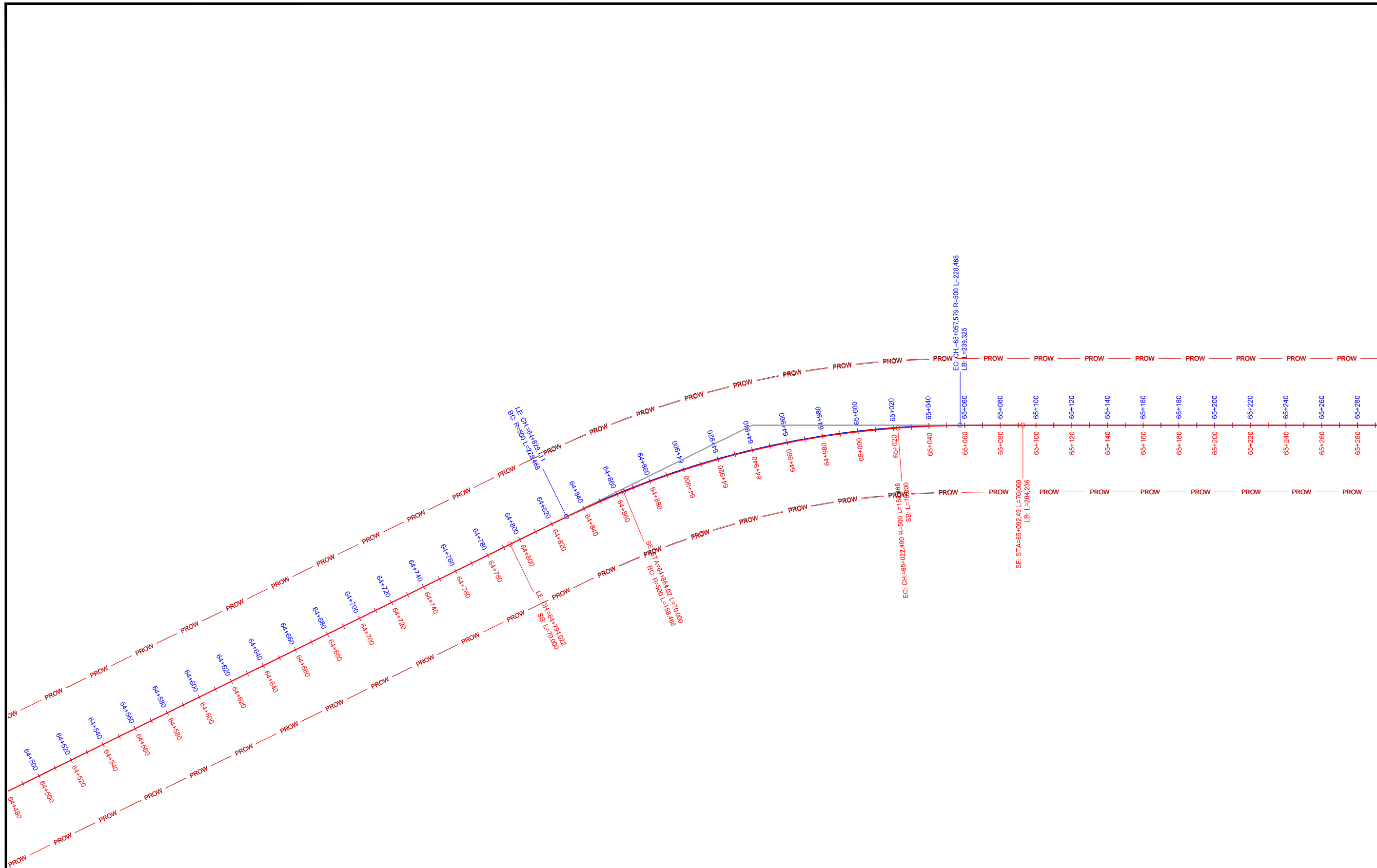
<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD ALIGNMENT CH: 41080 TO CH: 41800	RD-80-J	RD-80	A1	1:1000	July 2015



LEGEND	
<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD ALIGNMENT CH:61460TO CH: 62540	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-108-J RD-109-J	RD-108, RD-109	A1	1:1000	July 2015



LEGEND	
<span style="color: blue;">—</span>	PLANNED ALIGNMENT
<span style="color: red;">—</span>	PLANNED ALIGNMENT REVIEWED BY JICA EXPERTS

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD ALIGNMENT CH65280 TO EP	RD-113-J	RD-113	A1	1:1000	July 2015

## **C. VERTICAL ALIGNMENT**



TUMKUR ROAD

HOSUR ROAD

**LEGEND**

- FORMATION LEVEL OF FINAL DPR
- - - EXISTING GROUND LEVEL
- FORMATION LEVEL REVIEWED BY JICA EXPERTS

LYOVER  
0+000 0+030

JUNCTION NO: 01  
(TUMKUR ROAD)  
CH: 0+000.000

PRR STARTING

CL=200m  
e=34.107  
CH.: 0+000  
v.: 862.091m

CL=200m  
e=34.107  
CH.: 0+000  
v.: 862.091m

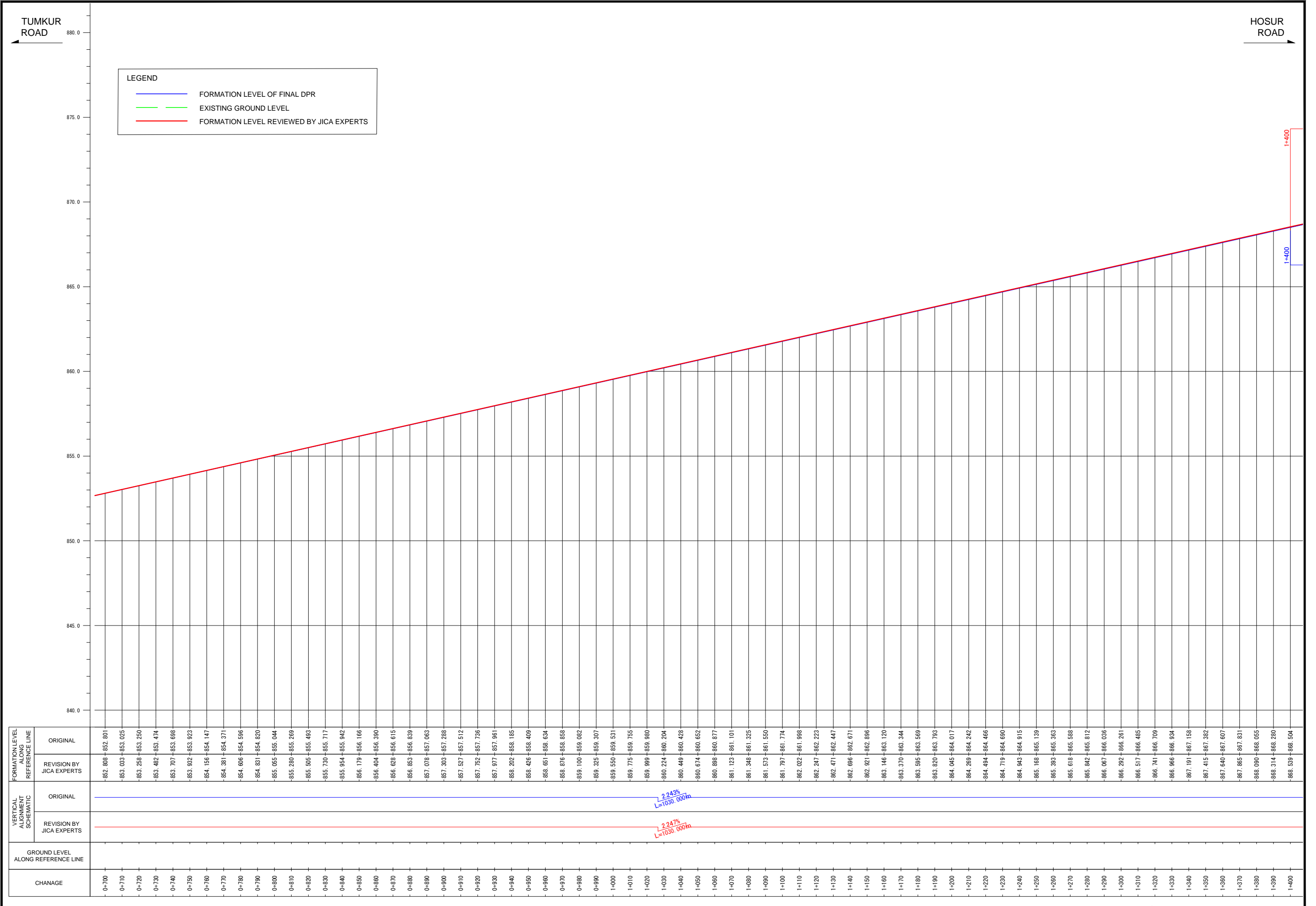
VCL=100m  
K=20.806  
PVI CH.: 0+520  
PVI Elv.: 848.763m

VCL=100m  
K=20.788  
PVI CH.: 0+520  
PVI Elv.: 848.763m

CD. NO	1/1
CHAINAGE	525.000
TYPE	2X3 BOX

FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
0+000	860.625	860.625
0+010	860.647	860.647
0+020	860.640	860.640
0+030	860.604	860.604
0+040	860.538	860.538
0+050	860.443	860.443
0+060	860.319	860.319
0+070	860.165	860.165
0+080	859.982	859.982
0+090	859.770	859.770
0+100	859.528	859.528
0+110	859.272	859.272
0+120	859.015	859.015
0+130	858.759	858.759
0+140	858.503	858.503
0+150	858.246	858.246
0+160	857.990	857.990
0+170	857.734	857.734
0+180	857.477	857.477
0+190	857.221	857.221
0+200	856.965	856.965
0+210	856.709	856.709
0+220	856.452	856.452
0+230	856.196	856.196
0+240	855.940	855.940
0+250	855.683	855.683
0+260	855.427	855.427
0+270	855.171	855.171
0+280	854.914	854.914
0+290	854.658	854.658
0+300	854.402	854.402
0+310	854.145	854.145
0+320	853.889	853.889
0+330	853.633	853.633
0+340	853.377	853.377
0+350	853.120	853.120
0+360	852.864	852.864
0+370	852.608	852.608
0+380	852.351	852.351
0+390	852.095	852.095
0+400	851.839	851.839
0+410	851.582	851.582
0+420	851.326	851.326
0+430	851.070	851.070
0+440	850.813	850.813
0+450	850.557	850.557
0+460	850.301	850.301
0+470	850.045	850.045
0+480	849.789	849.789
0+490	849.533	849.533
0+500	849.277	849.277
0+510	849.021	849.021
0+520	848.765	848.763
0+530	849.021	849.021
0+540	849.277	849.277
0+550	849.533	849.533
0+560	849.789	849.789
0+570	850.045	850.045
0+580	850.301	850.301
0+590	850.557	850.557
0+600	850.813	850.813
0+610	851.070	851.070
0+620	851.326	851.326
0+630	851.582	851.582
0+640	851.839	851.839
0+650	852.095	852.095
0+660	852.351	852.351
0+670	852.608	852.608
0+680	852.864	852.864
0+690	853.120	853.120
0+700	853.377	853.377

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-21-J	RD-21	A1	H=1:1000 V=1:100	July 2015



Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD PROFILE CH: 0+700 TO CH: 1+400	RD-22-J	RD-22	A1	H=1:1000 V=1:100	July 2015



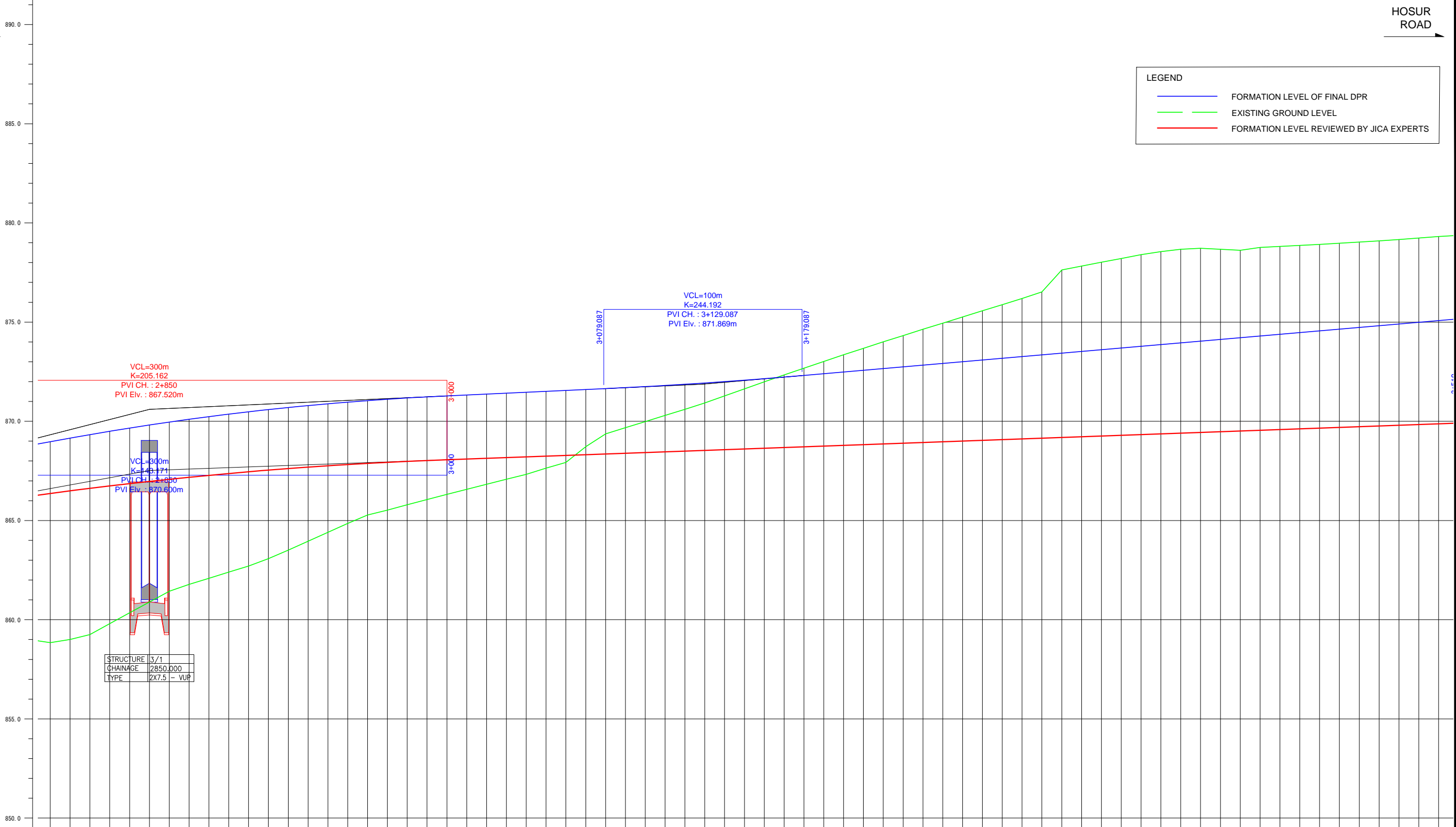


TUMKUR ROAD

HOSUR ROAD

LEGEND

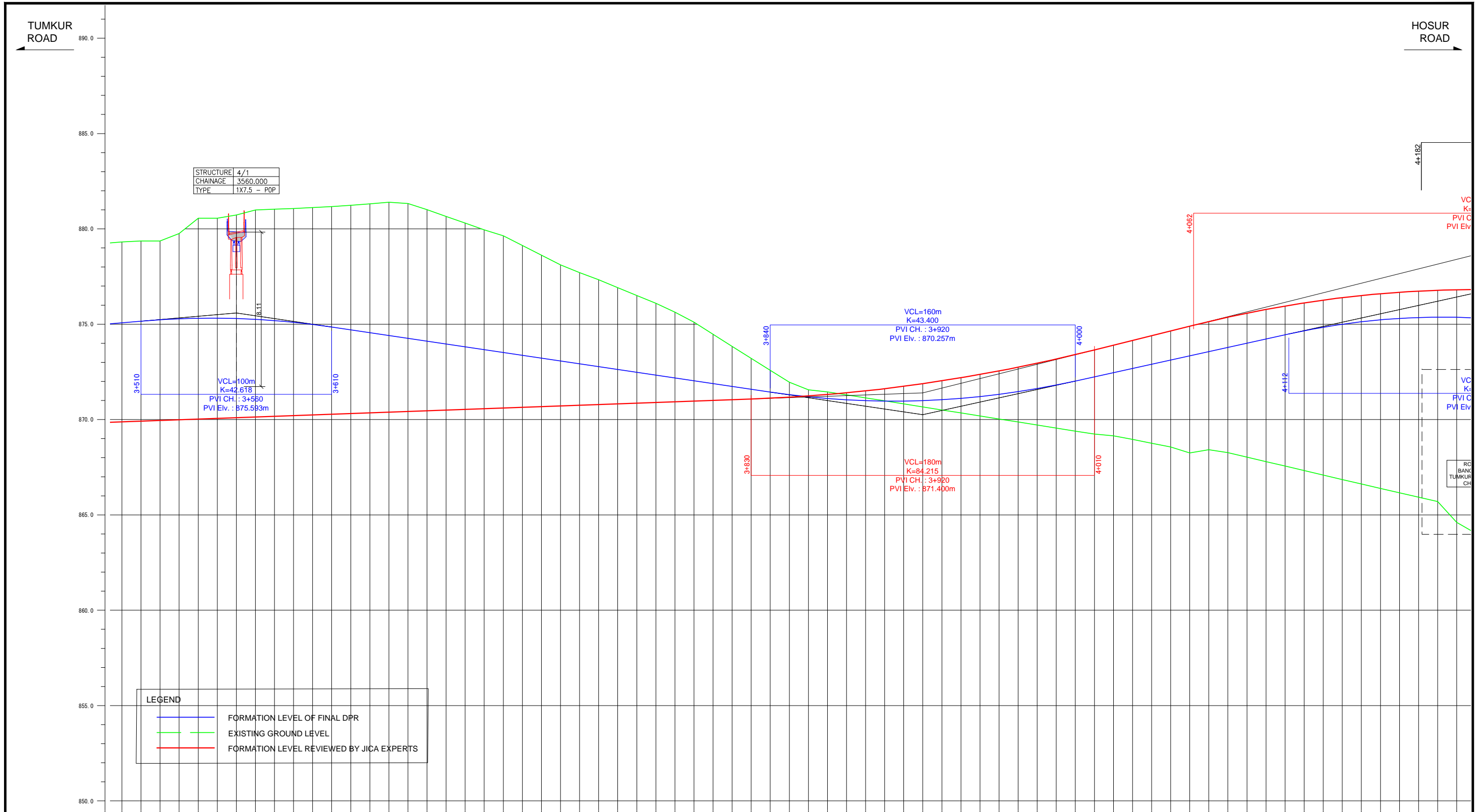
- FORMATION LEVEL OF FINAL DPR
- EXISTING GROUND LEVEL
- FORMATION LEVEL REVIEWED BY JICA EXPERTS



STRUCTURE	3/1
CHAINAGE	2850.000
TYPE	2X7.5 - VUP

FORMATION LEVEL ALIGNMENT SCHEMATIC	ORIGINAL																																																																																																																																														
	REVISION BY JICA EXPERTS	<table border="1"> <tr> <td>FORMATION LEVEL</td> <td>866.364 - 868.976</td> </tr> <tr> <td>ORIGINAL</td> <td>866.495 - 869.157</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>866.622 - 869.332</td> </tr> <tr> <td>ORIGINAL</td> <td>866.743 - 869.500</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>866.860 - 869.680</td> </tr> <tr> <td>ORIGINAL</td> <td>866.979 - 869.814</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>867.079 - 869.961</td> </tr> <tr> <td>ORIGINAL</td> <td>867.181 - 870.101</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>867.278 - 870.234</td> </tr> <tr> <td>ORIGINAL</td> <td>867.370 - 870.359</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>867.468 - 870.478</td> </tr> <tr> <td>ORIGINAL</td> <td>867.540 - 870.590</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>867.618 - 870.695</td> </tr> <tr> <td>ORIGINAL</td> <td>867.691 - 870.793</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>867.759 - 870.884</td> </tr> <tr> <td>ORIGINAL</td> <td>867.822 - 870.967</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>867.880 - 871.044</td> </tr> <tr> <td>ORIGINAL</td> <td>867.893 - 871.114</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>867.982 - 871.177</td> </tr> <tr> <td>ORIGINAL</td> <td>868.025 - 871.233</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.064 - 871.282</td> </tr> <tr> <td>ORIGINAL</td> <td>868.100 - 871.328</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.136 - 871.373</td> </tr> <tr> <td>ORIGINAL</td> <td>868.173 - 871.418</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.209 - 871.464</td> </tr> <tr> <td>ORIGINAL</td> <td>868.245 - 871.509</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.281 - 871.555</td> </tr> <tr> <td>ORIGINAL</td> <td>868.318 - 871.600</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.354 - 871.646</td> </tr> <tr> <td>ORIGINAL</td> <td>868.390 - 871.694</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.427 - 871.746</td> </tr> <tr> <td>ORIGINAL</td> <td>868.463 - 871.802</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.499 - 871.862</td> </tr> <tr> <td>ORIGINAL</td> <td>868.535 - 871.926</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.572 - 871.995</td> </tr> <tr> <td>ORIGINAL</td> <td>868.608 - 872.067</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.644 - 872.144</td> </tr> <tr> <td>ORIGINAL</td> <td>868.680 - 872.224</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.717 - 872.309</td> </tr> <tr> <td>ORIGINAL</td> <td>868.753 - 872.395</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.789 - 872.482</td> </tr> <tr> <td>ORIGINAL</td> <td>868.825 - 872.568</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.862 - 872.655</td> </tr> <tr> <td>ORIGINAL</td> <td>868.898 - 872.741</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>868.934 - 872.828</td> </tr> <tr> <td>ORIGINAL</td> <td>868.970 - 872.914</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.007 - 873.000</td> </tr> <tr> <td>ORIGINAL</td> <td>869.043 - 873.087</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.079 - 873.173</td> </tr> <tr> <td>ORIGINAL</td> <td>869.116 - 873.260</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.152 - 873.346</td> </tr> <tr> <td>ORIGINAL</td> <td>869.188 - 873.432</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.224 - 873.519</td> </tr> <tr> <td>ORIGINAL</td> <td>869.261 - 873.605</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.297 - 873.692</td> </tr> <tr> <td>ORIGINAL</td> <td>869.333 - 873.778</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.369 - 873.865</td> </tr> <tr> <td>ORIGINAL</td> <td>869.405 - 873.951</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.442 - 874.037</td> </tr> <tr> <td>ORIGINAL</td> <td>869.478 - 874.124</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.514 - 874.210</td> </tr> <tr> <td>ORIGINAL</td> <td>869.551 - 874.297</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.587 - 874.383</td> </tr> <tr> <td>ORIGINAL</td> <td>869.623 - 874.470</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.659 - 874.556</td> </tr> <tr> <td>ORIGINAL</td> <td>869.696 - 874.642</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.732 - 874.729</td> </tr> <tr> <td>ORIGINAL</td> <td>869.768 - 874.815</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.804 - 874.902</td> </tr> <tr> <td>ORIGINAL</td> <td>869.841 - 874.988</td> </tr> <tr> <td>REVISION BY JICA EXPERTS</td> <td>869.877 - 875.074</td> </tr> </table>	FORMATION LEVEL	866.364 - 868.976	ORIGINAL	866.495 - 869.157	REVISION BY JICA EXPERTS	866.622 - 869.332	ORIGINAL	866.743 - 869.500	REVISION BY JICA EXPERTS	866.860 - 869.680	ORIGINAL	866.979 - 869.814	REVISION BY JICA EXPERTS	867.079 - 869.961	ORIGINAL	867.181 - 870.101	REVISION BY JICA EXPERTS	867.278 - 870.234	ORIGINAL	867.370 - 870.359	REVISION BY JICA EXPERTS	867.468 - 870.478	ORIGINAL	867.540 - 870.590	REVISION BY JICA EXPERTS	867.618 - 870.695	ORIGINAL	867.691 - 870.793	REVISION BY JICA EXPERTS	867.759 - 870.884	ORIGINAL	867.822 - 870.967	REVISION BY JICA EXPERTS	867.880 - 871.044	ORIGINAL	867.893 - 871.114	REVISION BY JICA EXPERTS	867.982 - 871.177	ORIGINAL	868.025 - 871.233	REVISION BY JICA EXPERTS	868.064 - 871.282	ORIGINAL	868.100 - 871.328	REVISION BY JICA EXPERTS	868.136 - 871.373	ORIGINAL	868.173 - 871.418	REVISION BY JICA EXPERTS	868.209 - 871.464	ORIGINAL	868.245 - 871.509	REVISION BY JICA EXPERTS	868.281 - 871.555	ORIGINAL	868.318 - 871.600	REVISION BY JICA EXPERTS	868.354 - 871.646	ORIGINAL	868.390 - 871.694	REVISION BY JICA EXPERTS	868.427 - 871.746	ORIGINAL	868.463 - 871.802	REVISION BY JICA EXPERTS	868.499 - 871.862	ORIGINAL	868.535 - 871.926	REVISION BY JICA EXPERTS	868.572 - 871.995	ORIGINAL	868.608 - 872.067	REVISION BY JICA EXPERTS	868.644 - 872.144	ORIGINAL	868.680 - 872.224	REVISION BY JICA EXPERTS	868.717 - 872.309	ORIGINAL	868.753 - 872.395	REVISION BY JICA EXPERTS	868.789 - 872.482	ORIGINAL	868.825 - 872.568	REVISION BY JICA EXPERTS	868.862 - 872.655	ORIGINAL	868.898 - 872.741	REVISION BY JICA EXPERTS	868.934 - 872.828	ORIGINAL	868.970 - 872.914	REVISION BY JICA EXPERTS	869.007 - 873.000	ORIGINAL	869.043 - 873.087	REVISION BY JICA EXPERTS	869.079 - 873.173	ORIGINAL	869.116 - 873.260	REVISION BY JICA EXPERTS	869.152 - 873.346	ORIGINAL	869.188 - 873.432	REVISION BY JICA EXPERTS	869.224 - 873.519	ORIGINAL	869.261 - 873.605	REVISION BY JICA EXPERTS	869.297 - 873.692	ORIGINAL	869.333 - 873.778	REVISION BY JICA EXPERTS	869.369 - 873.865	ORIGINAL	869.405 - 873.951	REVISION BY JICA EXPERTS	869.442 - 874.037	ORIGINAL	869.478 - 874.124	REVISION BY JICA EXPERTS	869.514 - 874.210	ORIGINAL	869.551 - 874.297	REVISION BY JICA EXPERTS	869.587 - 874.383	ORIGINAL	869.623 - 874.470	REVISION BY JICA EXPERTS	869.659 - 874.556	ORIGINAL	869.696 - 874.642	REVISION BY JICA EXPERTS	869.732 - 874.729	ORIGINAL	869.768 - 874.815	REVISION BY JICA EXPERTS	869.804 - 874.902	ORIGINAL	869.841 - 874.988	REVISION BY JICA EXPERTS
FORMATION LEVEL	866.364 - 868.976																																																																																																																																														
ORIGINAL	866.495 - 869.157																																																																																																																																														
REVISION BY JICA EXPERTS	866.622 - 869.332																																																																																																																																														
ORIGINAL	866.743 - 869.500																																																																																																																																														
REVISION BY JICA EXPERTS	866.860 - 869.680																																																																																																																																														
ORIGINAL	866.979 - 869.814																																																																																																																																														
REVISION BY JICA EXPERTS	867.079 - 869.961																																																																																																																																														
ORIGINAL	867.181 - 870.101																																																																																																																																														
REVISION BY JICA EXPERTS	867.278 - 870.234																																																																																																																																														
ORIGINAL	867.370 - 870.359																																																																																																																																														
REVISION BY JICA EXPERTS	867.468 - 870.478																																																																																																																																														
ORIGINAL	867.540 - 870.590																																																																																																																																														
REVISION BY JICA EXPERTS	867.618 - 870.695																																																																																																																																														
ORIGINAL	867.691 - 870.793																																																																																																																																														
REVISION BY JICA EXPERTS	867.759 - 870.884																																																																																																																																														
ORIGINAL	867.822 - 870.967																																																																																																																																														
REVISION BY JICA EXPERTS	867.880 - 871.044																																																																																																																																														
ORIGINAL	867.893 - 871.114																																																																																																																																														
REVISION BY JICA EXPERTS	867.982 - 871.177																																																																																																																																														
ORIGINAL	868.025 - 871.233																																																																																																																																														
REVISION BY JICA EXPERTS	868.064 - 871.282																																																																																																																																														
ORIGINAL	868.100 - 871.328																																																																																																																																														
REVISION BY JICA EXPERTS	868.136 - 871.373																																																																																																																																														
ORIGINAL	868.173 - 871.418																																																																																																																																														
REVISION BY JICA EXPERTS	868.209 - 871.464																																																																																																																																														
ORIGINAL	868.245 - 871.509																																																																																																																																														
REVISION BY JICA EXPERTS	868.281 - 871.555																																																																																																																																														
ORIGINAL	868.318 - 871.600																																																																																																																																														
REVISION BY JICA EXPERTS	868.354 - 871.646																																																																																																																																														
ORIGINAL	868.390 - 871.694																																																																																																																																														
REVISION BY JICA EXPERTS	868.427 - 871.746																																																																																																																																														
ORIGINAL	868.463 - 871.802																																																																																																																																														
REVISION BY JICA EXPERTS	868.499 - 871.862																																																																																																																																														
ORIGINAL	868.535 - 871.926																																																																																																																																														
REVISION BY JICA EXPERTS	868.572 - 871.995																																																																																																																																														
ORIGINAL	868.608 - 872.067																																																																																																																																														
REVISION BY JICA EXPERTS	868.644 - 872.144																																																																																																																																														
ORIGINAL	868.680 - 872.224																																																																																																																																														
REVISION BY JICA EXPERTS	868.717 - 872.309																																																																																																																																														
ORIGINAL	868.753 - 872.395																																																																																																																																														
REVISION BY JICA EXPERTS	868.789 - 872.482																																																																																																																																														
ORIGINAL	868.825 - 872.568																																																																																																																																														
REVISION BY JICA EXPERTS	868.862 - 872.655																																																																																																																																														
ORIGINAL	868.898 - 872.741																																																																																																																																														
REVISION BY JICA EXPERTS	868.934 - 872.828																																																																																																																																														
ORIGINAL	868.970 - 872.914																																																																																																																																														
REVISION BY JICA EXPERTS	869.007 - 873.000																																																																																																																																														
ORIGINAL	869.043 - 873.087																																																																																																																																														
REVISION BY JICA EXPERTS	869.079 - 873.173																																																																																																																																														
ORIGINAL	869.116 - 873.260																																																																																																																																														
REVISION BY JICA EXPERTS	869.152 - 873.346																																																																																																																																														
ORIGINAL	869.188 - 873.432																																																																																																																																														
REVISION BY JICA EXPERTS	869.224 - 873.519																																																																																																																																														
ORIGINAL	869.261 - 873.605																																																																																																																																														
REVISION BY JICA EXPERTS	869.297 - 873.692																																																																																																																																														
ORIGINAL	869.333 - 873.778																																																																																																																																														
REVISION BY JICA EXPERTS	869.369 - 873.865																																																																																																																																														
ORIGINAL	869.405 - 873.951																																																																																																																																														
REVISION BY JICA EXPERTS	869.442 - 874.037																																																																																																																																														
ORIGINAL	869.478 - 874.124																																																																																																																																														
REVISION BY JICA EXPERTS	869.514 - 874.210																																																																																																																																														
ORIGINAL	869.551 - 874.297																																																																																																																																														
REVISION BY JICA EXPERTS	869.587 - 874.383																																																																																																																																														
ORIGINAL	869.623 - 874.470																																																																																																																																														
REVISION BY JICA EXPERTS	869.659 - 874.556																																																																																																																																														
ORIGINAL	869.696 - 874.642																																																																																																																																														
REVISION BY JICA EXPERTS	869.732 - 874.729																																																																																																																																														
ORIGINAL	869.768 - 874.815																																																																																																																																														
REVISION BY JICA EXPERTS	869.804 - 874.902																																																																																																																																														
ORIGINAL	869.841 - 874.988																																																																																																																																														
REVISION BY JICA EXPERTS	869.877 - 875.074																																																																																																																																														

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-25-J	RD-25	A1	H=1:1000 V=1:100	July 2015



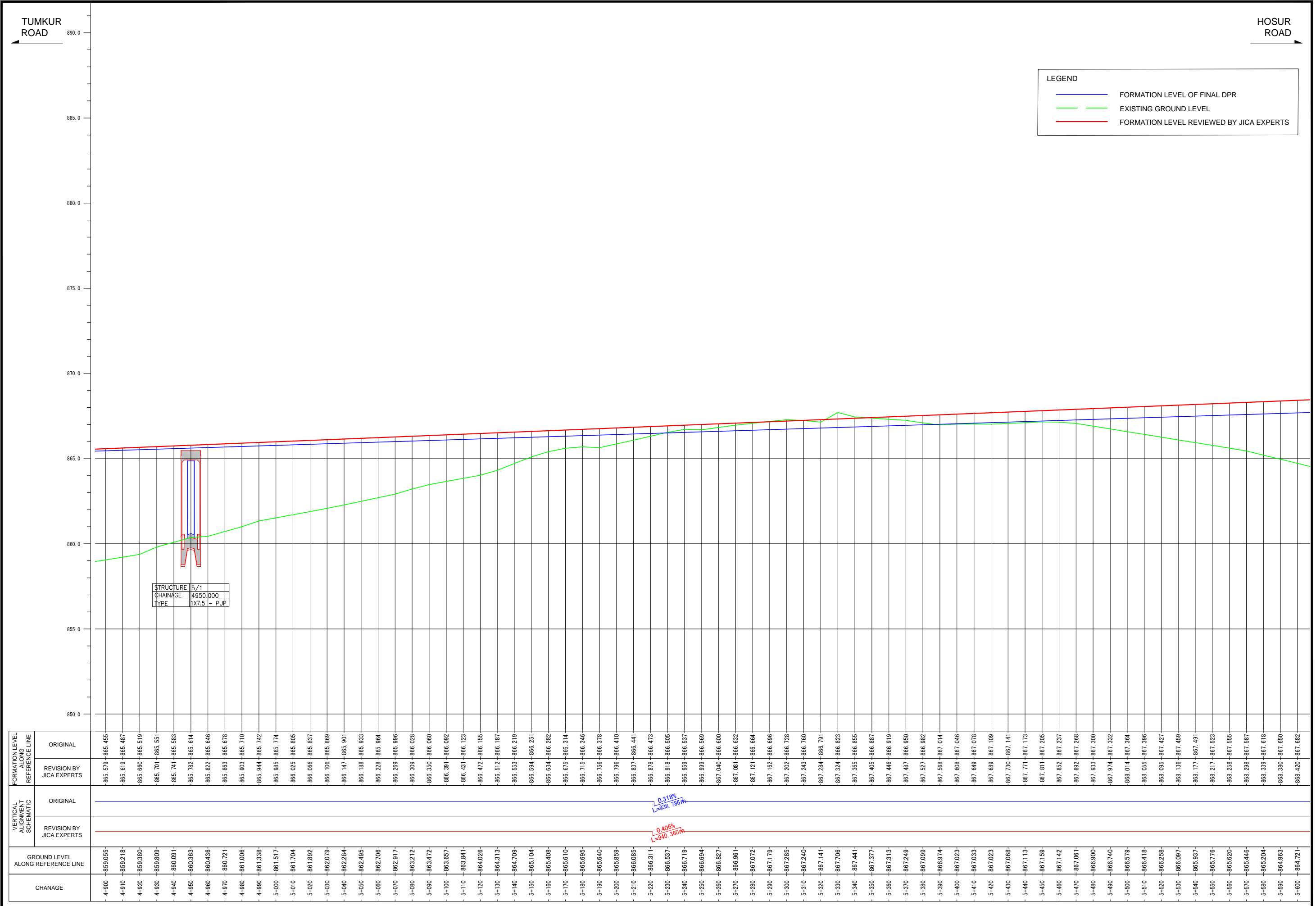
STRUCTURE	4/1
CHAINAGE	3560.000
TYPE	1X7.5 - POP

LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	
FORMATION LEVEL ALONG REFERENCE LINE	REVISION BY JICA EXPERTS	
GROUND LEVEL ALONG REFERENCE LINE	ORIGINAL	
FORMATION LEVEL ALONG REFERENCE LINE	REVISION BY JICA EXPERTS	
CHANAGE		

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 3+500 TO CH: 4+200	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-26-J	RD-26	A1	H=1:1000 V=1:100	July 2015





Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD PROFILE CH: 4+900 TO CH: 5+600	RD-28-J	RD-28	A1	H=1:1000 V=1:100	July 2015

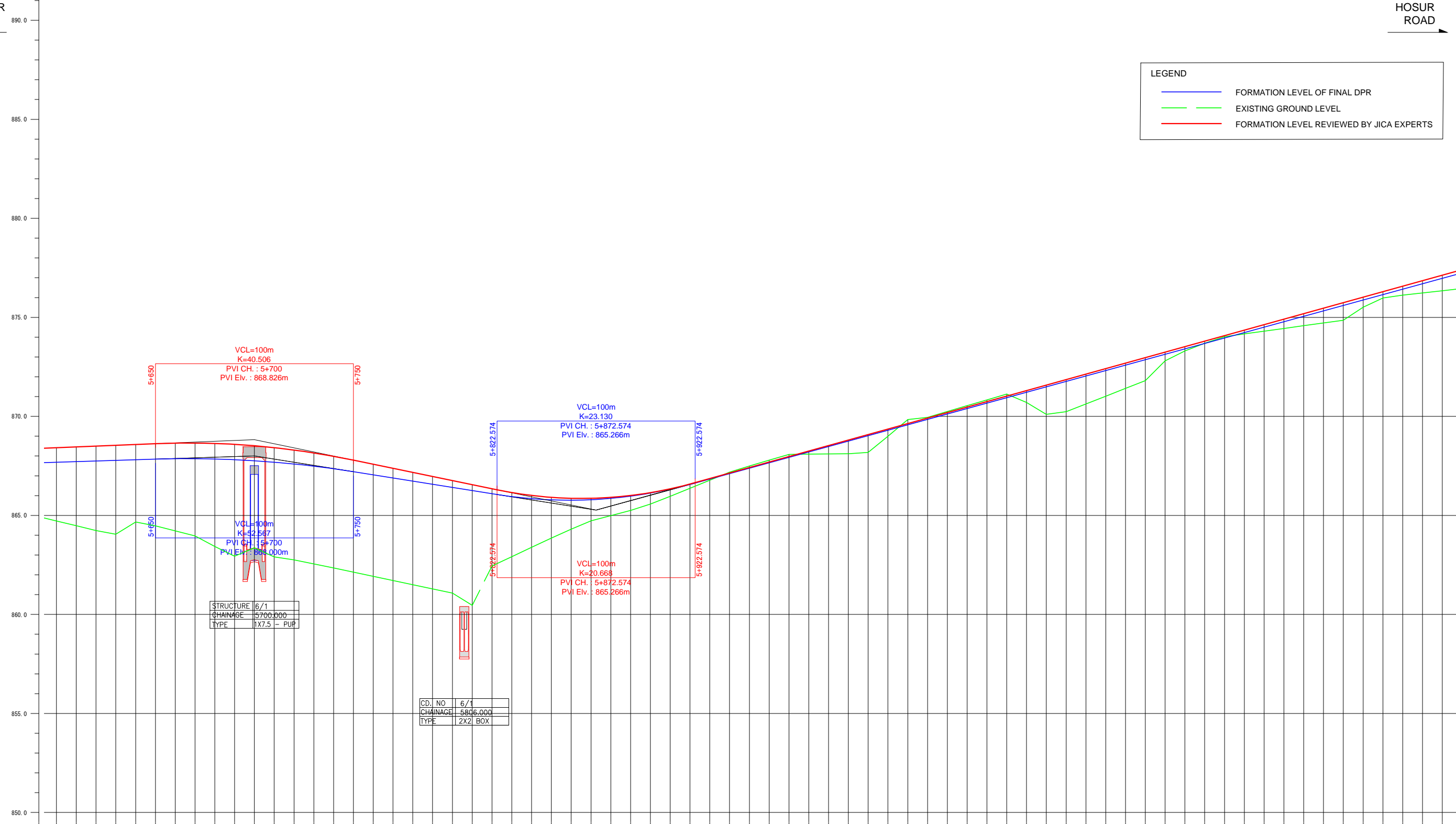


TUMKUR ROAD

HOSUR ROAD

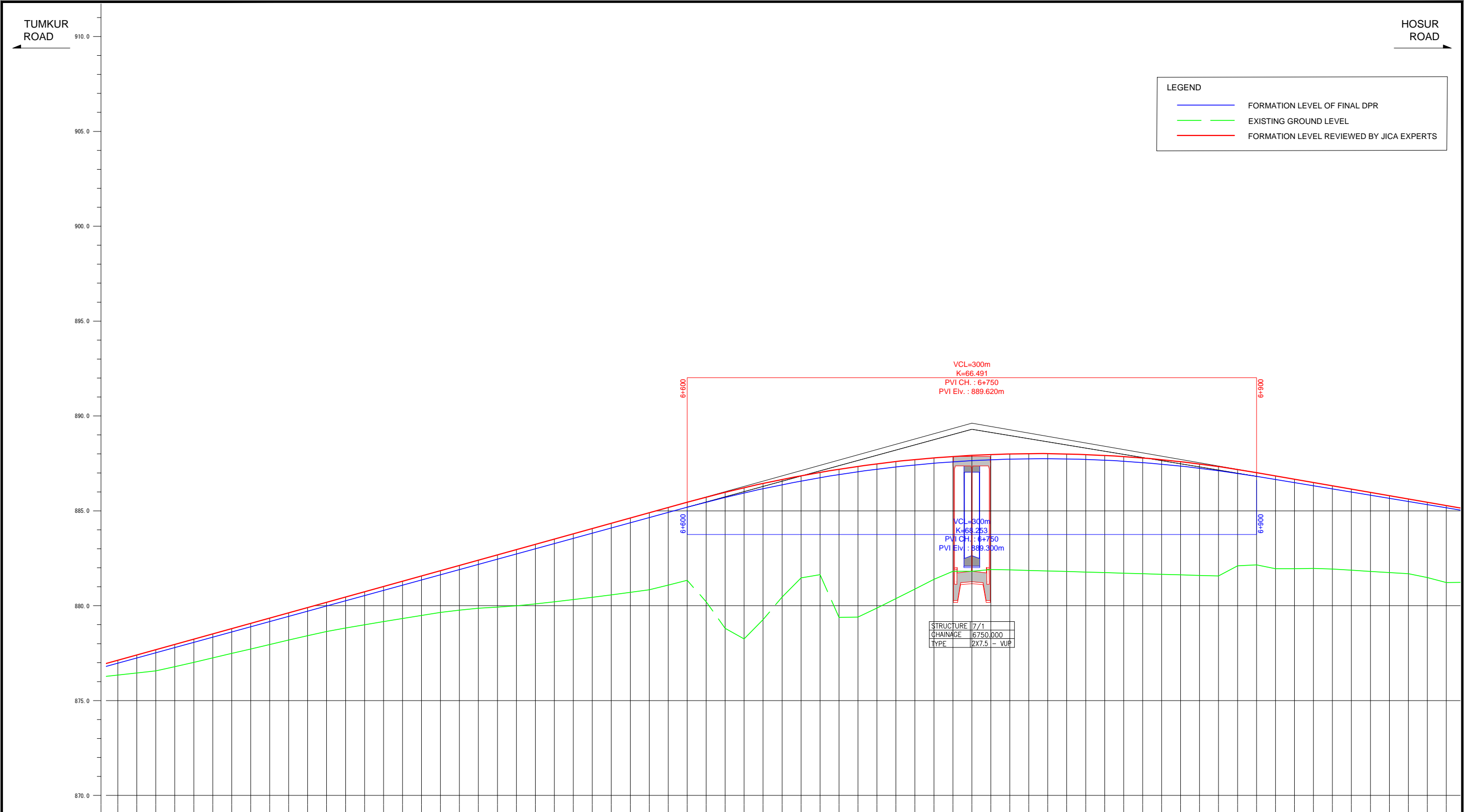
**LEGEND**

- FORMATION LEVEL OF FINAL DPR
- EXISTING GROUND LEVEL
- FORMATION LEVEL REVIEWED BY JICA EXPERTS



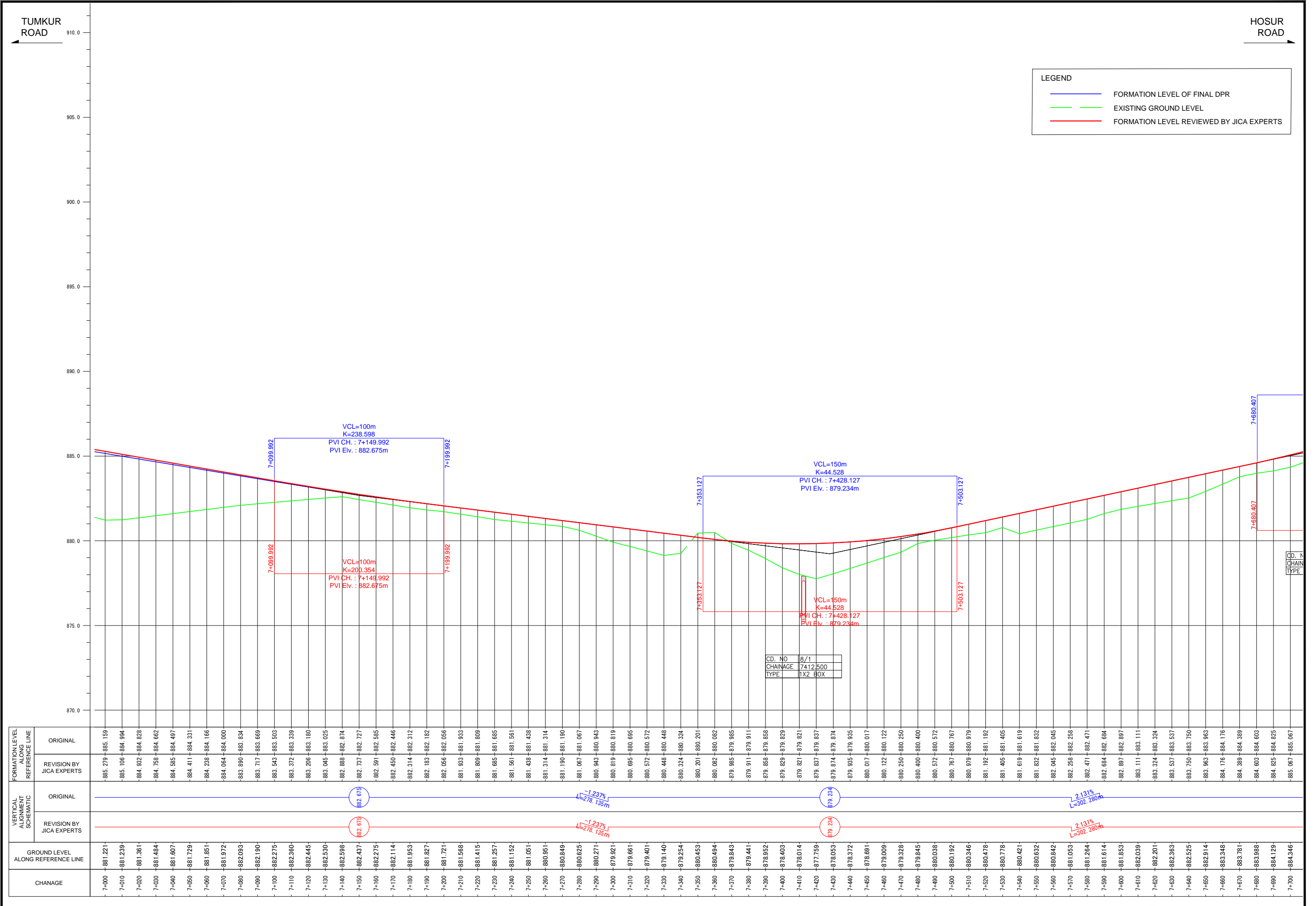
CHAINAGE	FORMATION LEVEL ALONG REFERENCE LINE		VERTICAL ALIGNMENT SCHEMATIC		GROUND LEVEL ALONG REFERENCE LINE
	ORIGINAL	REVISION BY JICA EXPERTS	ORIGINAL	REVISION BY JICA EXPERTS	
5+600	-868.420	-867.682	<div style="display: flex; justify-content: space-around;"> <span><math>\circ -868.000</math></span> <span><math>\circ -865.269</math></span> </div>	<div style="display: flex; justify-content: space-around;"> <span><math>\circ -868.826</math></span> <span><math>\circ -865.269</math></span> </div>	-864.721
5+610	-868.461	-867.714			$-1.584\%$ $L=172.574m$
5+620	-868.501	-867.746	$-2.063\%$ $L=172.574m$	-864.237	
5+630	-868.542	-867.777		$-1.584\%$ $L=172.574m$	-864.047
5+640	-868.582	-867.809	$-2.063\%$ $L=172.574m$		-864.670
5+650	-868.623	-867.841		$-1.584\%$ $L=172.574m$	-864.473
5+660	-868.651	-867.863	$-2.063\%$ $L=172.574m$		-864.220
5+670	-868.655	-867.867		$-1.584\%$ $L=172.574m$	-863.966
5+680	-868.634	-867.851	$-2.063\%$ $L=172.574m$		-863.435
5+690	-868.588	-867.816		$-1.584\%$ $L=172.574m$	-862.938
5+700	-868.517	-867.762	$-2.063\%$ $L=172.574m$		-863.300
5+710	-868.422	-867.689		$-1.584\%$ $L=172.574m$	-862.903
5+720	-868.302	-867.598	$-2.063\%$ $L=172.574m$		-862.757
5+730	-868.158	-867.487		$-1.584\%$ $L=172.574m$	-862.555
5+740	-867.989	-867.357	$-2.063\%$ $L=172.574m$		-862.352
5+750	-867.795	-867.208		$-1.584\%$ $L=172.574m$	-862.140
5+760	-867.588	-867.049	$-2.063\%$ $L=172.574m$		-861.928
5+770	-867.382	-866.891		$-1.584\%$ $L=172.574m$	-861.717
5+780	-867.176	-866.733	$-2.063\%$ $L=172.574m$		-861.505
5+790	-866.969	-866.574		$-1.584\%$ $L=172.574m$	-861.293
5+800	-866.763	-866.416	$-2.063\%$ $L=172.574m$		-861.081
5+810	-866.557	-866.257		$-1.584\%$ $L=172.574m$	-860.460
5+820	-866.351	-866.099	$-2.063\%$ $L=172.574m$		-862.451
5+830	-866.158	-865.952		$-1.584\%$ $L=172.574m$	-862.919
5+840	-866.011	-865.848	$-2.063\%$ $L=172.574m$		-863.386
5+850	-865.914	-865.786		$-1.584\%$ $L=172.574m$	-863.854
5+860	-865.864	-865.768	$-2.063\%$ $L=172.574m$		-864.306
5+870	-865.863	-865.793		$-1.584\%$ $L=172.574m$	-864.725
5+880	-865.911	-865.861	$-2.063\%$ $L=172.574m$		-864.987
5+890	-866.006	-865.973		$-1.584\%$ $L=172.574m$	-865.249
5+900	-866.151	-866.127	$-2.063\%$ $L=172.574m$		-865.576
5+910	-866.343	-866.325		$-1.584\%$ $L=172.574m$	-865.966
5+920	-866.584	-866.567	$-2.063\%$ $L=172.574m$		-866.371
5+930	-866.860	-866.839		$-1.584\%$ $L=172.574m$	-866.776
5+940	-867.137	-867.113	$-2.063\%$ $L=172.574m$		-867.181
5+950	-867.415	-867.387		$-1.584\%$ $L=172.574m$	-867.495
5+960	-867.693	-867.661	$-2.063\%$ $L=172.574m$		-867.795
5+970	-867.970	-867.935		$-1.584\%$ $L=172.574m$	-868.083
5+980	-868.248	-868.209	$-2.063\%$ $L=172.574m$		-868.093
5+990	-868.525	-868.482		$-1.584\%$ $L=172.574m$	-868.104
6+000	-868.803	-868.756	$-2.063\%$ $L=172.574m$		-868.115
6+010	-869.080	-869.030		$-1.584\%$ $L=172.574m$	-868.183
6+020	-869.359	-869.304	$-2.063\%$ $L=172.574m$		-868.996
6+030	-869.638	-869.578		$-1.584\%$ $L=172.574m$	-869.839
6+040	-869.913	-869.852	$-2.063\%$ $L=172.574m$		-869.954
6+050	-870.191	-870.126		$-1.584\%$ $L=172.574m$	-870.247
6+060	-870.469	-870.400	$-2.063\%$ $L=172.574m$		-870.540
6+070	-870.746	-870.674		$-1.584\%$ $L=172.574m$	-870.833
6+080	-871.023	-870.948	$-2.063\%$ $L=172.574m$		-871.126
6+090	-871.301	-871.222		$-1.584\%$ $L=172.574m$	-870.705
6+100	-871.578	-871.496	$-2.063\%$ $L=172.574m$		-870.100
6+110	-871.856	-871.769		$-1.584\%$ $L=172.574m$	-870.237
6+120	-872.134	-872.043	$-2.063\%$ $L=172.574m$		-870.629
6+130	-872.411	-872.317		$-1.584\%$ $L=172.574m$	-871.021
6+140	-872.689	-872.591	$-2.063\%$ $L=172.574m$		-871.413
6+150	-872.966	-872.865		$-1.584\%$ $L=172.574m$	-871.805
6+160	-873.244	-873.139	$-2.063\%$ $L=172.574m$		-872.801
6+170	-873.521	-873.413		$-1.584\%$ $L=172.574m$	-873.301
6+180	-873.799	-873.687	$-2.063\%$ $L=172.574m$		-873.696
6+190	-874.077	-873.961		$-1.584\%$ $L=172.574m$	-874.026
6+200	-874.354	-874.235	$-2.063\%$ $L=172.574m$		-874.164
6+210	-874.632	-874.509		$-1.584\%$ $L=172.574m$	-874.303
6+220	-874.909	-874.783	$-2.063\%$ $L=172.574m$		-874.441
6+230	-875.187	-875.056		$-1.584\%$ $L=172.574m$	-874.580
6+240	-875.464	-875.330	$-2.063\%$ $L=172.574m$		-874.718
6+250	-875.742	-875.604		$-1.584\%$ $L=172.574m$	-874.857
6+260	-876.019	-875.878	$-2.063\%$ $L=172.574m$		-875.511
6+270	-876.297	-876.152		$-1.584\%$ $L=172.574m$	-875.981
6+280	-876.575	-876.426	$-2.063\%$ $L=172.574m$		-876.124
6+290	-876.852	-876.700		$-1.584\%$ $L=172.574m$	-876.236
6+300	-877.130	-876.974	$-1.584\%$ $L=172.574m$		-876.347

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD PROFILE CH: 5+560 TO CH: 6+300	RD-29-J	RD-29	A1	H=1:1000 V=1:100	July 2015

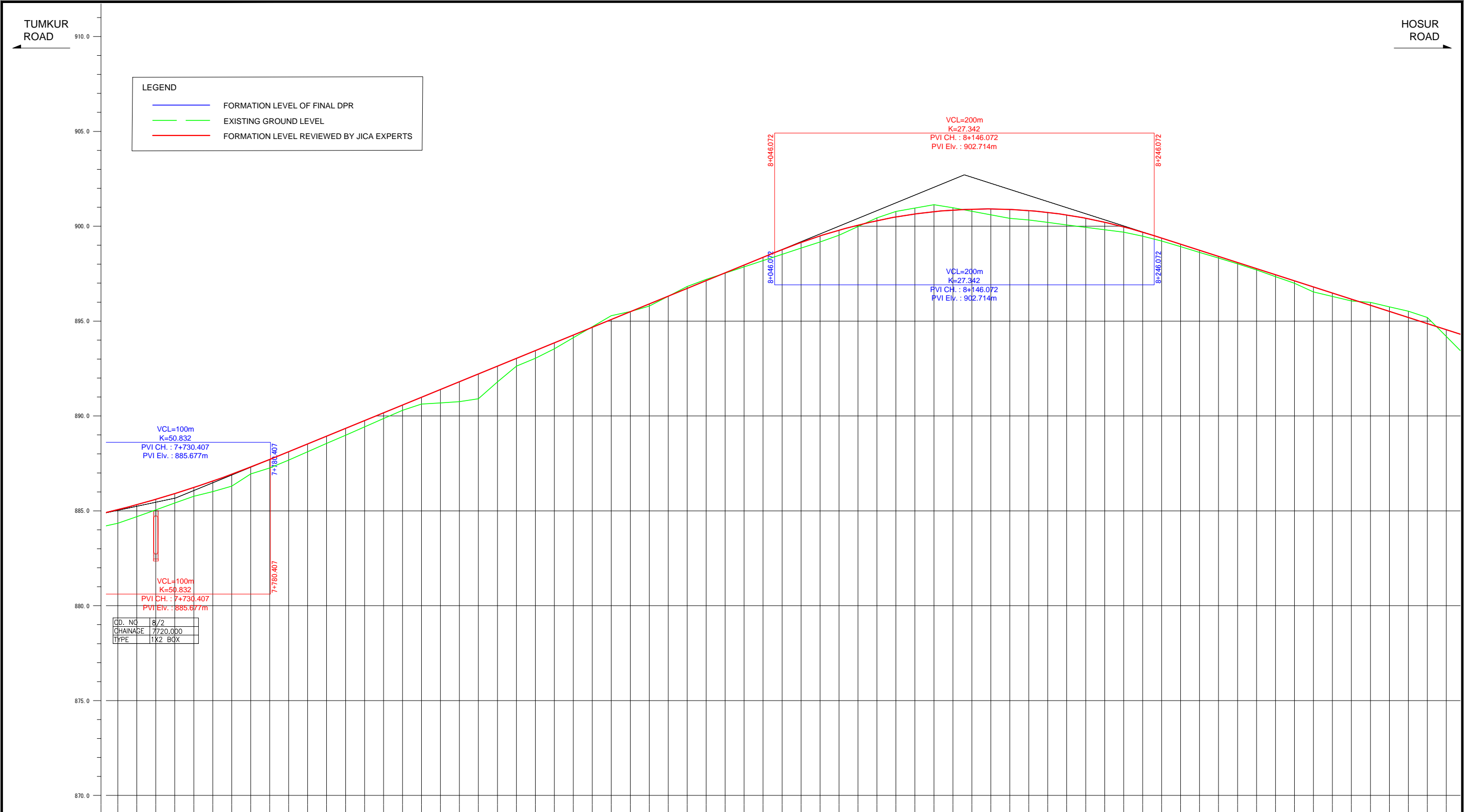


FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	877.130 - 876.974	877.130 - 876.974
REVISION BY JICA EXPERTS	877.407 - 877.248	877.407 - 877.248
	877.885 - 877.522	877.885 - 877.522
	877.962 - 877.796	877.962 - 877.796
	878.240 - 878.069	878.240 - 878.069
	878.518 - 878.343	878.518 - 878.343
	878.795 - 878.617	878.795 - 878.617
	879.073 - 878.891	879.073 - 878.891
	879.350 - 879.165	879.350 - 879.165
	879.628 - 879.439	879.628 - 879.439
	879.905 - 879.713	879.905 - 879.713
	880.183 - 879.987	880.183 - 879.987
	880.460 - 880.261	880.460 - 880.261
	880.738 - 880.535	880.738 - 880.535
	881.016 - 880.809	881.016 - 880.809
	881.293 - 881.083	881.293 - 881.083
	881.571 - 881.356	881.571 - 881.356
	881.848 - 881.630	881.848 - 881.630
	882.126 - 881.904	882.126 - 881.904
	882.403 - 882.178	882.403 - 882.178
	882.681 - 882.452	882.681 - 882.452
	882.959 - 882.726	882.959 - 882.726
	883.236 - 883.000	883.236 - 883.000
	883.514 - 883.274	883.514 - 883.274
	883.791 - 883.548	883.791 - 883.548
	884.069 - 883.822	884.069 - 883.822
	884.346 - 884.096	884.346 - 884.096
	884.624 - 884.370	884.624 - 884.370
	884.901 - 884.643	884.901 - 884.643
	885.179 - 884.917	885.179 - 884.917
	885.457 - 885.191	885.457 - 885.191
	885.727 - 885.458	885.727 - 885.458
	885.982 - 885.710	885.982 - 885.710
	886.222 - 885.947	886.222 - 885.947
	886.447 - 886.170	886.447 - 886.170
	886.656 - 886.378	886.656 - 886.378
	886.851 - 886.571	886.851 - 886.571
	887.031 - 886.750	887.031 - 886.750
	887.196 - 886.914	887.196 - 886.914
	887.346 - 887.063	887.346 - 887.063
	887.480 - 887.198	887.480 - 887.198
	887.600 - 887.318	887.600 - 887.318
	887.704 - 887.423	887.704 - 887.423
	887.794 - 887.514	887.794 - 887.514
	887.869 - 887.590	887.869 - 887.590
	887.928 - 887.652	887.928 - 887.652
	887.972 - 887.699	887.972 - 887.699
	888.002 - 887.731	888.002 - 887.731
	888.016 - 887.748	888.016 - 887.748
	888.016 - 887.751	888.016 - 887.751
	888.000 - 887.739	888.000 - 887.739
	887.960 - 887.713	887.960 - 887.713
	887.923 - 887.672	887.923 - 887.672
	887.863 - 887.616	887.863 - 887.616
	887.787 - 887.546	887.787 - 887.546
	887.696 - 887.461	887.696 - 887.461
	887.590 - 887.361	887.590 - 887.361
	887.469 - 887.247	887.469 - 887.247
	887.333 - 887.118	887.333 - 887.118
	887.182 - 886.974	887.182 - 886.974
	887.016 - 886.816	887.016 - 886.816
	886.842 - 886.650	886.842 - 886.650
	886.665 - 886.484	886.665 - 886.484
	886.485 - 886.319	886.485 - 886.319
	886.321 - 886.153	886.321 - 886.153
	886.147 - 885.987	886.147 - 885.987
	885.974 - 885.822	885.974 - 885.822
	885.800 - 885.656	885.800 - 885.656
	885.627 - 885.481	885.627 - 885.481
	885.453 - 885.325	885.453 - 885.325
	885.279 - 885.159	885.279 - 885.159

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-30-J	RD-30	A1	H=1:1000 V=1:100	July 2015



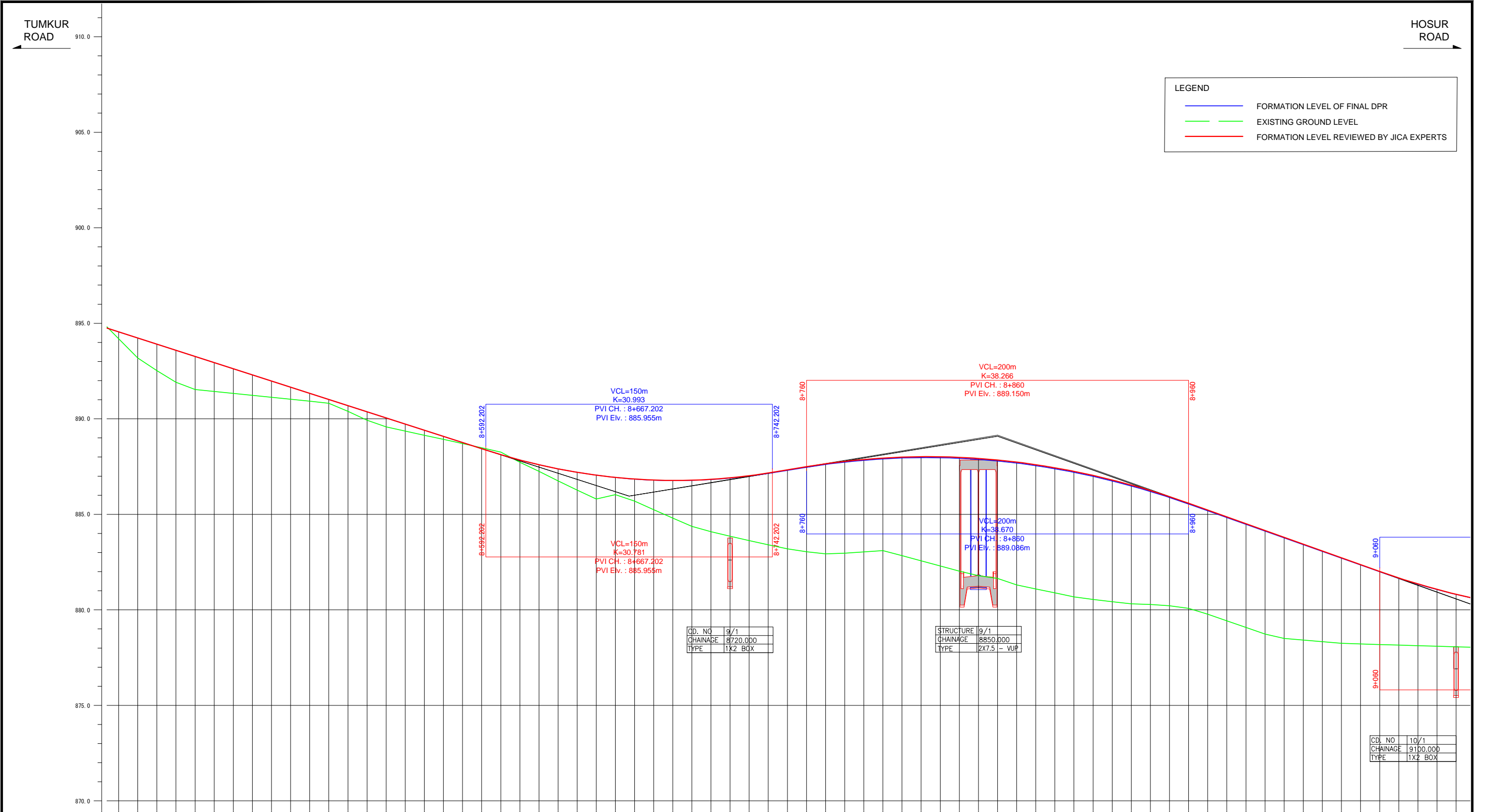
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 7+000 TO CH: 7+700	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-31-J	RD-31	A1	H=1:1000 V=1:100	July 2015



DD. NO	8/2
CHAINAGE	7720.000
TYPE	1X2 BOX

FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	885.067	885.067
	885.328	885.328
	885.609	885.609
	885.910	885.910
	886.231	886.231
	886.571	886.571
	886.931	886.931
	887.310	887.310
	887.710	887.710
	888.120	888.120
	888.529	888.529
	888.939	888.939
	889.349	889.349
	889.759	889.759
	890.169	890.169
	890.579	890.579
	890.989	890.989
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	891.809	891.809
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	892.629	892.629
	893.039	893.039
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	896.727	896.727
	897.137	897.137
	897.547	897.547
	897.957	897.957
	898.366	898.366
	898.773	898.773
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	899.589	899.589
	900.000	900.000
	900.408	900.408
	900.816	900.816
	901.224	901.224
	901.632	901.632
	902.040	902.040
	902.448	902.448
	902.856	902.856
	903.264	903.264
	903.672	903.672
	904.080	904.080
	904.488	904.488
	904.896	904.896
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	905.712	905.712
	906.120	906.120
	906.528	906.528
	906.936	906.936
	907.344	907.344
	907.752	907.752
	908.160	908.160
	908.568	908.568
	908.976	908.976
	909.384	909.384
	909.792	909.792
	910.200	910.200
	910.608	910.608
	911.016	911.016
	911.424	911.424
	911.832	911.832
	912.240	912.240
	912.648	912.648
	913.056	913.056
	913.464	913.464
	913.872	913.872
	914.280	914.280
	914.688	914.688
	915.096	915.096
	915.504	915.504
	915.912	915.912
	916.320	916.320
	916.728	916.728
	917.136	917.136
	917.544	917.544
	917.952	917.952
	918.360	918.360
	918.768	918.768
	919.176	919.176
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	920.408	920.408
	920.816	920.816
	921.224	921.224
	921.632	921.632
	922.040	922.040
	922.448	922.448
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	924.080	924.080
	924.488	924.488
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	925.304	925.304
	925.712	925.712
	926.120	926.120
	926.528	926.528
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	930.608	930.608
	931.016	931.016
	931.424	931.424
	931.832	931.832
	932.240	932.240
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	933.872	933.872
	934.280	934.280
	934.688	934.688
	935.096	935.096
	935.504	935.504
	935.912	935.912
	936.320	936.320
	936.728	936.728
	937.136	937.136
	937.544	937.544
	937.952	937.952
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	938.768	938.768
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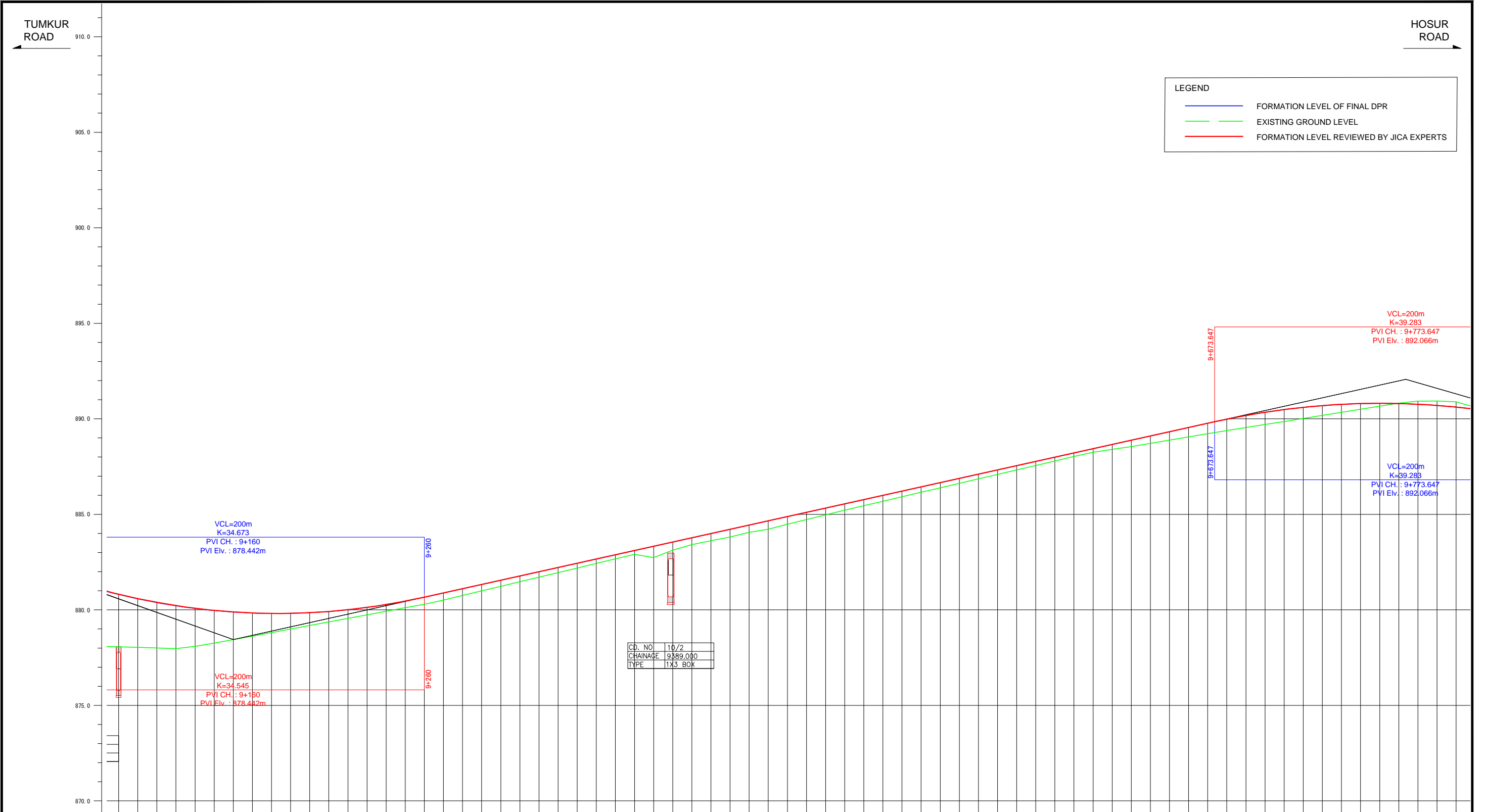
Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-32-J	RD-32	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

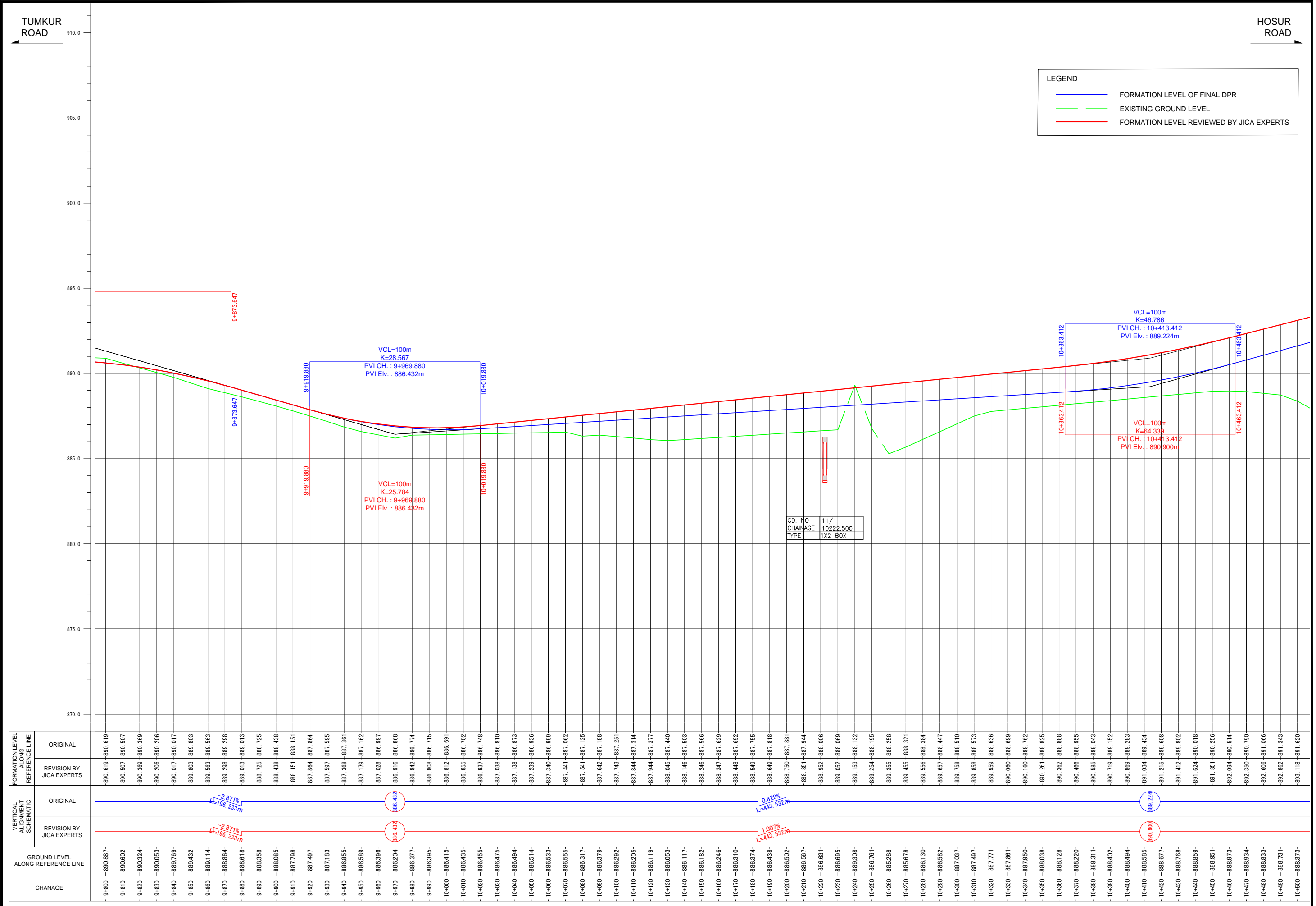
FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	REVISION BY JICA EXPERTS
GROUND LEVEL ALONG REFERENCE LINE		
CHANAGE		

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 8+400 TO CH: 9+100	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-33-J	RD-33	A1	H=1:1000 V=1:100	July 2015



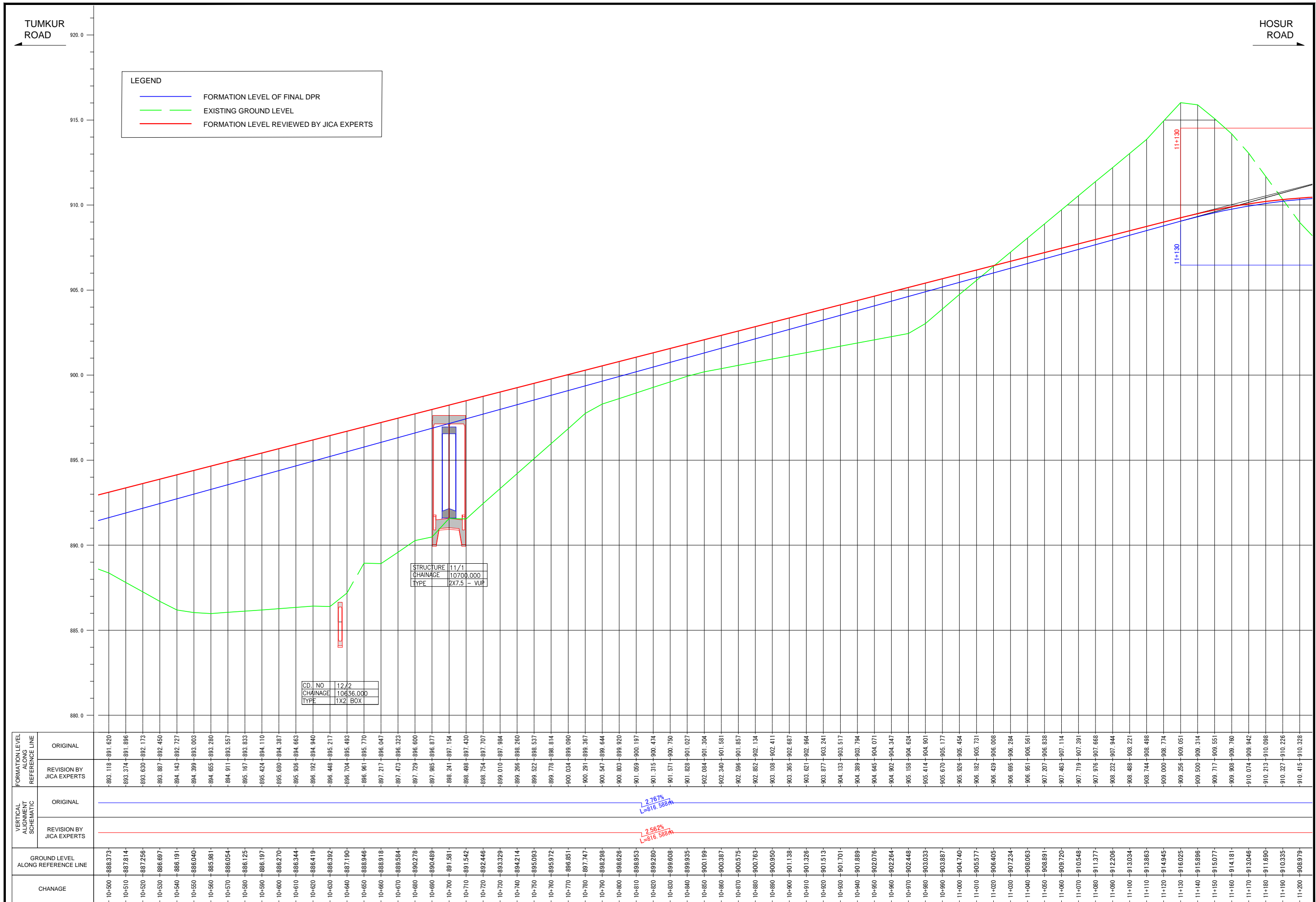
FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	-880.815 -880.802	-880.589 -880.577	-880.391 -880.380	-880.222 -880.213	-880.082 -880.075	-879.971 -879.965	-879.889 -879.884	-879.838 -879.832	-879.812 -879.809	-879.817 -879.815	-879.851 -879.849	-879.914 -879.913	-880.006 -880.005	-880.126 -880.126	-880.276 -880.276	-880.465 -880.455	-880.662 -880.662	-880.884 -880.884	-881.106 -881.106	-881.328 -881.328	-881.550 -881.550	-881.772 -881.772	-881.994 -881.994	-882.216 -882.216	-882.438 -882.438	-882.660 -882.660	-882.882 -882.882	-883.104 -883.104	-883.326 -883.326	-883.548 -883.548	-883.770 -883.770	-883.992 -883.992	-884.214 -884.214	-884.436 -884.436	-884.658 -884.658	-884.880 -884.880	-885.103 -885.103	-885.325 -885.325	-885.547 -885.547	-885.769 -885.769	-885.991 -885.991	-886.213 -886.213	-886.435 -886.435	-886.657 -886.657	-886.879 -886.879	-887.101 -887.101	-887.323 -887.323	-887.545 -887.545	-887.767 -887.767	-887.989 -887.989	-888.211 -888.211	-888.433 -888.433	-888.655 -888.655	-888.877 -888.877	-889.099 -889.099	-889.321 -889.321	-889.543 -889.543	-889.765 -889.765	-889.987 -889.987	-890.209 -890.209	-890.431 -890.431	-890.653 -890.653	-890.875 -890.875	-891.097 -891.097	-891.319 -891.319	-891.541 -891.541	-891.763 -891.763	-891.985 -891.985	-892.207 -892.207	-892.429 -892.429	-892.651 -892.651	-892.873 -892.873	-893.095 -893.095	-893.317 -893.317	-893.539 -893.539	-893.761 -893.761	-893.983 -893.983	-894.205 -894.205	-894.427 -894.427	-894.649 -894.649	-894.871 -894.871	-895.093 -895.093	-895.315 -895.315	-895.537 -895.537	-895.759 -895.759	-895.981 -895.981	-896.203 -896.203	-896.425 -896.425	-896.647 -896.647	-896.869 -896.869	-897.091 -897.091	-897.313 -897.313	-897.535 -897.535	-897.757 -897.757	-897.979 -897.979	-898.201 -898.201	-898.423 -898.423	-898.645 -898.645	-898.867 -898.867	-899.089 -899.089	-899.311 -899.311	-899.533 -899.533	-899.755 -899.755	-899.977 -899.977	-900.200 -900.200	-900.422 -900.422	-900.644 -900.644	-900.866 -900.866	-901.088 -901.088	-901.310 -901.310	-901.532 -901.532	-901.754 -901.754	-901.976 -901.976	-902.198 -902.198	-902.420 -902.420	-902.642 -902.642	-902.864 -902.864	-903.086 -903.086	-903.308 -903.308	-903.530 -903.530	-903.752 -903.752	-903.974 -903.974	-904.196 -904.196	-904.418 -904.418	-904.640 -904.640	-904.862 -904.862	-905.084 -905.084	-905.306 -905.306	-905.528 -905.528	-905.750 -905.750	-905.972 -905.972	-906.194 -906.194	-906.416 -906.416	-906.638 -906.638	-906.860 -906.860	-907.082 -907.082	-907.304 -907.304	-907.526 -907.526	-907.748 -907.748	-907.970 -907.970	-908.192 -908.192	-908.414 -908.414	-908.636 -908.636	-908.858 -908.858	-909.080 -909.080	-909.302 -909.302	-909.524 -909.524	-909.746 -909.746	-909.968 -909.968	-910.190 -910.190
	REVISION BY JICA EXPERTS	-880.915 -880.902	-880.697 -880.687	-880.499 -880.489	-880.330 -880.321	-880.190 -880.183	-880.050 -880.043	-879.939 -879.933	-879.857 -879.852	-879.806 -879.800	-879.780 -879.777	-879.785 -879.783	-879.819 -879.817	-879.882 -879.880	-879.973 -879.972	-880.126 -880.126	-880.276 -880.276	-880.465 -880.455	-880.662 -880.662	-880.884 -880.884	-881.106 -881.106	-881.328 -881.328	-881.550 -881.550	-881.772 -881.772	-881.994 -881.994	-882.216 -882.216	-882.438 -882.438	-882.660 -882.660	-882.882 -882.882	-883.104 -883.104	-883.326 -883.326	-883.548 -883.548	-883.770 -883.770	-883.992 -883.992	-884.214 -884.214	-884.436 -884.436	-884.658 -884.658	-884.880 -884.880	-885.103 -885.103	-885.325 -885.325	-885.547 -885.547	-885.769 -885.769	-885.991 -885.991	-886.213 -886.213	-886.435 -886.435	-886.657 -886.657	-886.879 -886.879	-887.101 -887.101	-887.323 -887.323	-887.545 -887.545	-887.767 -887.767	-887.989 -887.989	-888.211 -888.211	-888.433 -888.433	-888.655 -888.655	-888.877 -888.877	-889.099 -889.099	-889.321 -889.321	-889.543 -889.543	-889.765 -889.765	-889.987 -889.987	-890.209 -890.209	-890.431 -890.431	-890.653 -890.653	-890.875 -890.875	-891.097 -891.097	-891.319 -891.319	-891.541 -891.541	-891.763 -891.763	-891.985 -891.985	-892.207 -892.207	-892.429 -892.429	-892.651 -892.651	-892.873 -892.873	-893.095 -893.095	-893.317 -893.317	-893.539 -893.539	-893.761 -893.761	-893.983 -893.983	-894.205 -894.205	-894.427 -894.427	-894.649 -894.649	-894.871 -894.871	-895.093 -895.093	-895.315 -895.315	-895.537 -895.537	-895.759 -895.759	-895.981 -895.981	-896.203 -896.203	-896.425 -896.425	-896.647 -896.647	-896.869 -896.869	-897.091 -897.091	-897.313 -897.313	-897.535 -897.535	-897.757 -897.757	-897.979 -897.979	-898.201 -898.201	-898.423 -898.423	-898.645 -898.645	-898.867 -898.867	-899.089 -899.089	-899.311 -899.311	-899.533 -899.533	-899.755 -899.755	-899.977 -899.977	-900.200 -900.200	-900.422 -900.422	-900.644 -900.644	-900.866 -900.866	-901.088 -901.088	-901.310 -901.310	-901.532 -901.532	-901.754 -901.754	-901.976 -901.976	-902.198 -902.198	-902.420 -902.420	-902.642 -902.642	-902.864 -902.864	-903.086 -903.086	-903.308 -903.308	-903.530 -903.530	-903.752 -903.752	-903.974 -903.974	-904.196 -904.196	-904.418 -904.418	-904.640 -904.640	-904.862 -904.862	-905.084 -905.084	-905.306 -905.306	-905.528 -905.528	-905.750 -905.750	-905.972 -905.972	-906.194 -906.194	-906.416 -906.416	-906.638 -906.638	-906.860 -906.860	-907.082 -907.082	-907.304 -907.304	-907.526 -907.526	-907.748 -907.748	-907.970 -907.970	-908.192 -908.192	-908.414 -908.414	-908.636 -908.636	-908.858 -908.858	-909.080 -909.080	-909.302 -909.302	-909.524 -909.524	-909.746 -909.746	-909.968 -909.968

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-34-J	RD-34	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	-890.619 -890.619	-890.507 -890.507	-890.369 -890.369	-890.206 -890.206	-890.017 -890.017	-889.803 -889.803	-889.563 -889.563	-889.298 -889.298	-889.013 -889.013	-888.725 -888.725	-888.438 -888.438	-888.151 -888.151	-887.864 -887.864	-887.595 -887.595	-887.361 -887.361	-887.162 -887.162	-886.997 -886.997	-886.868 -886.868	-886.774 -886.774	-886.806 -886.806	-886.691 -886.691	-886.855 -886.855	-886.702 -886.702	-886.837 -886.837	-886.748 -886.748	-886.803 -886.803	-886.810 -886.810	-886.873 -886.873	-886.936 -886.936	-886.999 -886.999	-887.062 -887.062	-887.125 -887.125	-887.188 -887.188	-887.251 -887.251	-887.314 -887.314	-887.377 -887.377	-887.440 -887.440	-887.503 -887.503	-887.566 -887.566	-887.629 -887.629	-887.692 -887.692	-887.755 -887.755	-887.818 -887.818	-887.881 -887.881	-887.944 -887.944	-888.006 -888.006	-888.069 -888.069	-888.132 -888.132	-888.195 -888.195	-888.258 -888.258	-888.321 -888.321	-888.384 -888.384	-888.447 -888.447	-888.510 -888.510	-888.573 -888.573	-888.636 -888.636	-888.699 -888.699	-888.762 -888.762	-888.825 -888.825	-888.888 -888.888	-888.951 -888.951	-889.014 -889.014	-889.077 -889.077	-889.140 -889.140	-889.203 -889.203	-889.266 -889.266	-889.329 -889.329	-889.392 -889.392	-889.455 -889.455	-889.518 -889.518	-889.581 -889.581	-889.644 -889.644	-889.707 -889.707	-889.770 -889.770	-889.833 -889.833	-889.896 -889.896	-889.959 -889.959	-890.022 -890.022	-890.085 -890.085	-890.148 -890.148	-890.211 -890.211	-890.274 -890.274	-890.337 -890.337	-890.400 -890.400	-890.463 -890.463	-890.526 -890.526	-890.589 -890.589	-890.652 -890.652	-890.715 -890.715	-890.778 -890.778	-890.841 -890.841	-890.904 -890.904	-890.967 -890.967	-891.030 -891.030	-891.093 -891.093	-891.156 -891.156	-891.219 -891.219	-891.282 -891.282	-891.345 -891.345	-891.408 -891.408	-891.471 -891.471	-891.534 -891.534	-891.597 -891.597	-891.660 -891.660	-891.723 -891.723	-891.786 -891.786	-891.849 -891.849	-891.912 -891.912	-891.975 -891.975	-892.038 -892.038	-892.101 -892.101	-892.164 -892.164	-892.227 -892.227	-892.290 -892.290	-892.353 -892.353	-892.416 -892.416	-892.479 -892.479	-892.542 -892.542	-892.605 -892.605	-892.668 -892.668	-892.731 -892.731	-892.794 -892.794	-892.857 -892.857	-892.920 -892.920	-892.983 -892.983	-893.046 -893.046	-893.109 -893.109	-893.172 -893.172	-893.235 -893.235	-893.298 -893.298	-893.361 -893.361	-893.424 -893.424	-893.487 -893.487	-893.550 -893.550	-893.613 -893.613	-893.676 -893.676	-893.739 -893.739	-893.802 -893.802	-893.865 -893.865	-893.928 -893.928	-893.991 -893.991	-894.054 -894.054	-894.117 -894.117	-894.180 -894.180	-894.243 -894.243	-894.306 -894.306	-894.369 -894.369	-894.432 -894.432	-894.495 -894.495	-894.558 -894.558	-894.621 -894.621	-894.684 -894.684	-894.747 -894.747	-894.810 -894.810	-894.873 -894.873	-894.936 -894.936	-895.000 -895.000
	REVISION BY JICA EXPERTS	-890.619 -890.619	-890.507 -890.507	-890.369 -890.369	-890.206 -890.206	-890.017 -890.017	-889.803 -889.803	-889.563 -889.563	-889.298 -889.298	-889.013 -889.013	-888.725 -888.725	-888.438 -888.438	-888.151 -888.151	-887.864 -887.864	-887.595 -887.595	-887.361 -887.361	-887.162 -887.162	-886.997 -886.997	-886.868 -886.868	-886.774 -886.774	-886.806 -886.806	-886.691 -886.691	-886.855 -886.855	-886.702 -886.702	-886.837 -886.837	-886.748 -886.748	-886.803 -886.803	-886.810 -886.810	-886.873 -886.873	-886.936 -886.936	-886.999 -886.999	-887.062 -887.062	-887.125 -887.125	-887.188 -887.188	-887.251 -887.251	-887.314 -887.314	-887.377 -887.377	-887.440 -887.440	-887.503 -887.503	-887.566 -887.566	-887.629 -887.629	-887.692 -887.692	-887.755 -887.755	-887.818 -887.818	-887.881 -887.881	-887.944 -887.944	-888.006 -888.006	-888.069 -888.069	-888.132 -888.132	-888.195 -888.195	-888.258 -888.258	-888.321 -888.321	-888.384 -888.384	-888.447 -888.447	-888.510 -888.510	-888.573 -888.573	-888.636 -888.636	-888.699 -888.699	-888.762 -888.762	-888.825 -888.825	-888.888 -888.888	-888.951 -888.951	-889.014 -889.014	-889.077 -889.077	-889.140 -889.140	-889.203 -889.203	-889.266 -889.266	-889.329 -889.329	-889.392 -889.392	-889.455 -889.455	-889.518 -889.518	-889.581 -889.581	-889.644 -889.644	-889.707 -889.707	-889.770 -889.770	-889.833 -889.833	-889.896 -889.896	-889.959 -889.959	-890.022 -890.022	-890.085 -890.085	-890.148 -890.148	-890.211 -890.211	-890.274 -890.274	-890.337 -890.337	-890.400 -890.400	-890.463 -890.463	-890.526 -890.526	-890.589 -890.589	-890.652 -890.652	-890.715 -890.715	-890.778 -890.778	-890.841 -890.841	-890.904 -890.904	-890.967 -890.967	-891.030 -891.030	-891.093 -891.093	-891.156 -891.156	-891.219 -891.219	-891.282 -891.282	-891.345 -891.345	-891.408 -891.408	-891.471 -891.471	-891.534 -891.534	-891.597 -891.597	-891.660 -891.660	-891.723 -891.723	-891.786 -891.786	-891.849 -891.849	-891.912 -891.912	-891.975 -891.975	-892.038 -892.038	-892.101 -892.101	-892.164 -892.164	-892.227 -892.227	-892.290 -892.290	-892.353 -892.353	-892.416 -892.416	-892.479 -892.479	-892.542 -892.542	-892.605 -892.605	-892.668 -892.668	-892.731 -892.731	-892.794 -892.794	-892.857 -892.857	-892.920 -892.920	-892.983 -892.983	-893.046 -893.046	-893.109 -893.109	-893.172 -893.172	-893.235 -893.235	-893.298 -893.298	-893.361 -893.361	-893.424 -893.424	-893.487 -893.487	-893.550 -893.550	-893.613 -893.613	-893.676 -893.676	-893.739 -893.739	-893.802 -893.802	-893.865 -893.865	-893.928 -893.928	-893.991 -893.991	-894.054 -894.054	-894.117 -894.117	-894.180 -894.180	-894.243 -894.243	-894.306 -894.306	-894.369 -894.369	-894.432 -894.432	-894.495 -894.495	-894.558 -894.558	-894.621 -894.621	-894.684 -894.684	-894.747 -894.747	-894.810 -894.810	-894.873 -894.873	-894.936 -894.936	-895.000 -895.000

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-35-J	RD-35	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

STRUCTURE	11/1
CHAINAGE	10700.000
TYPE	2X7.5 - VUP

CD. NO	12/2
CHAINAGE	10636.000
TYPE	1X2 BOX

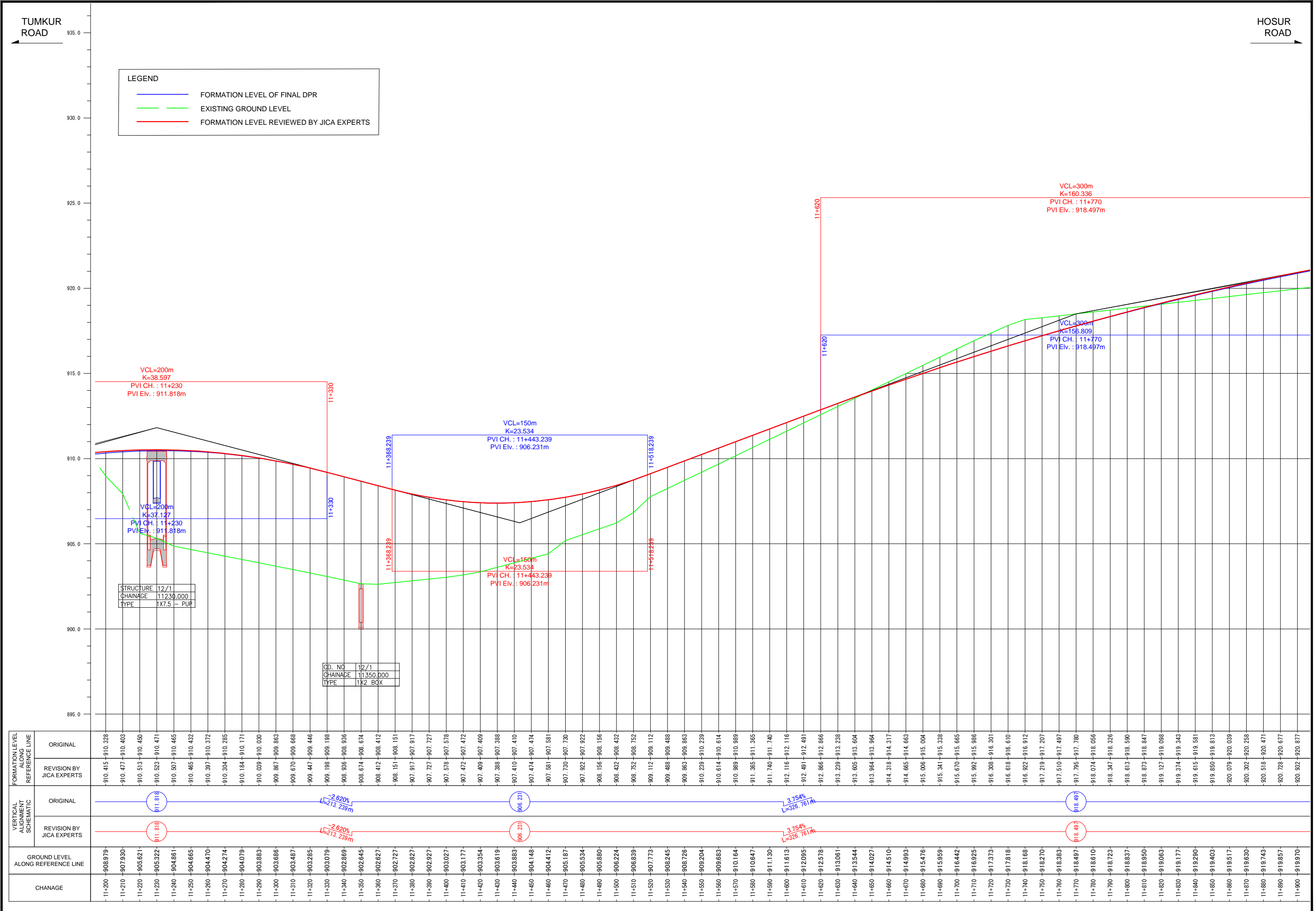
$2.76\%$   
 $L=816.588m$

$2.562\%$   
 $L=816.588m$

FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	883.118 - 891.620	883.374 - 891.896
883.374 - 891.896	883.630 - 892.173	883.887 - 892.450
883.630 - 892.173	883.887 - 892.450	884.143 - 892.727
883.887 - 892.450	884.143 - 892.727	884.399 - 893.003
884.143 - 892.727	884.399 - 893.003	884.655 - 893.280
884.399 - 893.003	884.655 - 893.280	884.911 - 893.557
884.655 - 893.280	884.911 - 893.557	885.167 - 893.833
884.911 - 893.557	885.167 - 893.833	885.424 - 894.110
885.167 - 893.833	885.424 - 894.110	885.680 - 894.387
885.424 - 894.110	885.680 - 894.387	885.936 - 894.663
885.680 - 894.387	885.936 - 894.663	886.192 - 894.940
885.936 - 894.663	886.192 - 894.940	886.448 - 895.217
886.192 - 894.940	886.448 - 895.217	886.704 - 895.493
886.448 - 895.217	886.704 - 895.493	886.961 - 895.770
886.704 - 895.493	886.961 - 895.770	887.217 - 896.047
886.961 - 895.770	887.217 - 896.047	887.473 - 896.323
887.217 - 896.047	887.473 - 896.323	887.729 - 896.600
887.473 - 896.323	887.729 - 896.600	887.985 - 896.877
887.729 - 896.600	887.985 - 896.877	888.241 - 897.154
887.985 - 896.877	888.241 - 897.154	888.498 - 897.430
888.241 - 897.154	888.498 - 897.430	888.754 - 897.707
888.498 - 897.430	888.754 - 897.707	889.010 - 897.984
888.754 - 897.707	889.010 - 897.984	889.266 - 898.260
889.010 - 897.984	889.266 - 898.260	889.522 - 898.537
889.266 - 898.260	889.522 - 898.537	889.778 - 898.814
889.522 - 898.537	889.778 - 898.814	890.034 - 899.090
889.778 - 898.814	890.034 - 899.090	890.291 - 899.367
890.034 - 899.090	890.291 - 899.367	890.547 - 899.644
890.291 - 899.367	890.547 - 899.644	890.803 - 899.920
890.547 - 899.644	890.803 - 899.920	891.059 - 900.197
890.803 - 899.920	891.059 - 900.197	891.315 - 900.474
891.059 - 900.197	891.315 - 900.474	891.571 - 900.750
891.315 - 900.474	891.571 - 900.750	891.828 - 901.027
891.571 - 900.750	891.828 - 901.027	892.084 - 901.304
891.828 - 901.027	892.084 - 901.304	892.340 - 901.581
892.084 - 901.304	892.340 - 901.581	892.596 - 901.857
892.340 - 901.581	892.596 - 901.857	892.852 - 902.134
892.596 - 901.857	892.852 - 902.134	893.108 - 902.411
892.852 - 902.134	893.108 - 902.411	893.365 - 902.687
893.108 - 902.411	893.365 - 902.687	893.621 - 902.964
893.365 - 902.687	893.621 - 902.964	893.877 - 903.241
893.621 - 902.964	893.877 - 903.241	894.133 - 903.517
893.877 - 903.241	894.133 - 903.517	894.389 - 903.794
894.133 - 903.517	894.389 - 903.794	894.645 - 904.071
894.389 - 903.794	894.645 - 904.071	894.902 - 904.347
894.645 - 904.071	894.902 - 904.347	895.158 - 904.624
894.902 - 904.347	895.158 - 904.624	895.414 - 904.901
895.158 - 904.624	895.414 - 904.901	895.670 - 905.177
895.414 - 904.901	895.670 - 905.177	895.926 - 905.454
895.670 - 905.177	895.926 - 905.454	896.182 - 905.731
895.926 - 905.454	896.182 - 905.731	896.439 - 906.008
896.182 - 905.731	896.439 - 906.008	896.695 - 906.284
896.439 - 906.008	896.695 - 906.284	896.951 - 906.561
896.695 - 906.284	896.951 - 906.561	897.207 - 906.838
896.951 - 906.561	897.207 - 906.838	897.463 - 907.114
897.207 - 906.838	897.463 - 907.114	897.719 - 907.391
897.463 - 907.114	897.719 - 907.391	897.975 - 907.668
897.719 - 907.391	897.975 - 907.668	898.232 - 907.944
897.975 - 907.668	898.232 - 907.944	898.488 - 908.221
898.232 - 907.944	898.488 - 908.221	898.744 - 908.498
898.488 - 908.221	898.744 - 908.498	899.000 - 908.774
898.744 - 908.498	899.000 - 908.774	899.256 - 909.051
899.000 - 908.774	899.256 - 909.051	899.500 - 909.314
899.256 - 909.051	899.500 - 909.314	899.717 - 909.551
899.500 - 909.314	899.717 - 909.551	899.908 - 909.700
899.717 - 909.551	899.908 - 909.700	900.074 - 909.942
899.908 - 909.700	900.074 - 909.942	900.213 - 910.098
900.074 - 909.942	900.213 - 910.098	900.327 - 910.226
900.213 - 910.098	900.327 - 910.226	900.415 - 910.328
900.327 - 910.226	900.415 - 910.328	

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-36-J	RD-36	A1	H=1:1000 V=1:100	July 2015

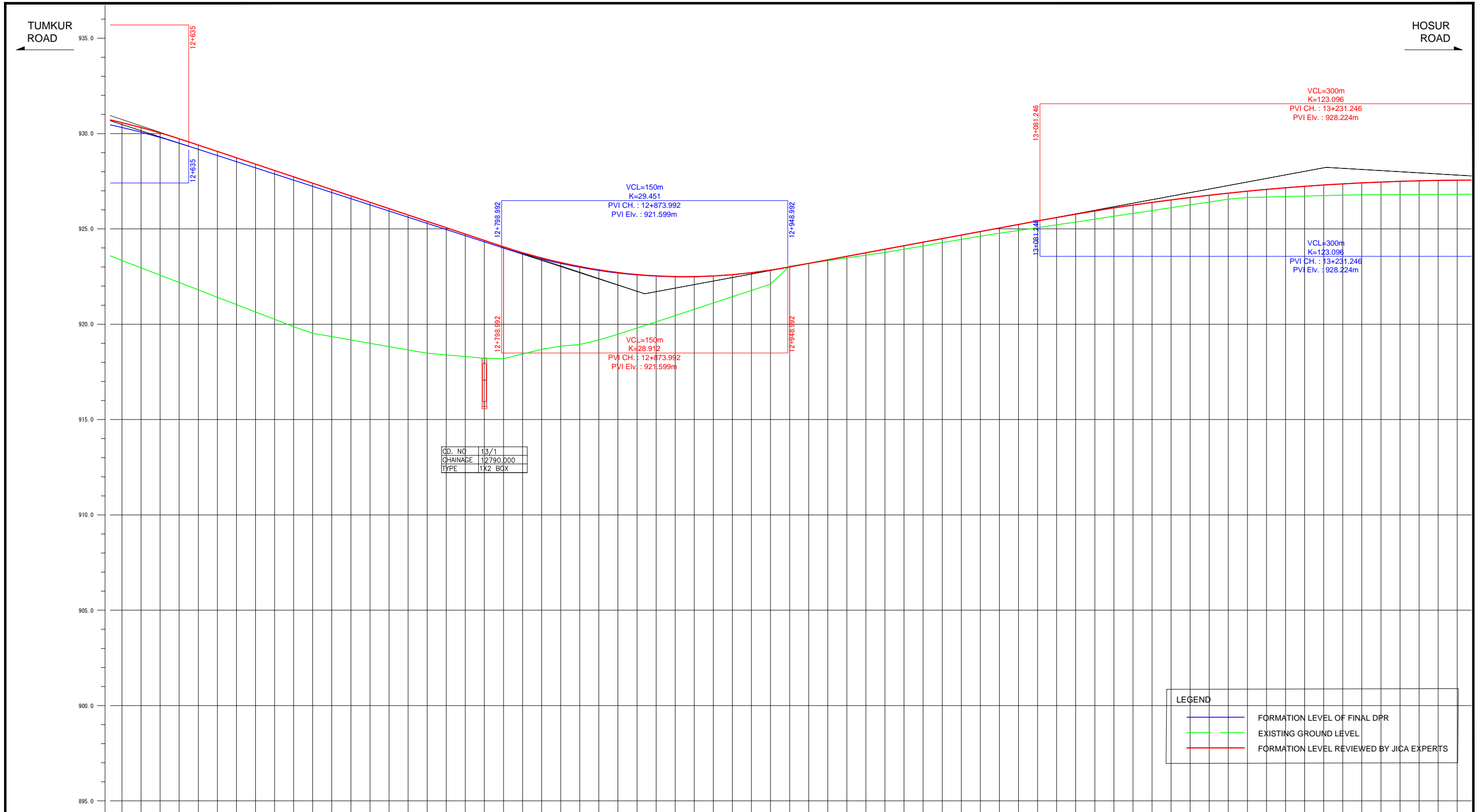




FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL		VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL		GROUND LEVEL ALONG REFERENCE LINE	CHANAGE
	ORIGINAL	REVISION BY JICA EXPERTS		ORIGINAL	REVISION BY JICA EXPERTS		
	-910.415	-910.328				-910.415	11+200
	-910.477	-910.403				-910.477	11+210
	-910.513	-910.450				-910.513	11+220
	-910.523	-910.471				-910.523	11+230
	-910.507	-910.465				-910.507	11+240
	-910.465	-910.432				-910.465	11+250
	-910.397	-910.372				-910.397	11+260
	-910.304	-910.285				-910.304	11+270
	-910.184	-910.171				-910.184	11+280
	-910.039	-910.030				-910.039	11+290
	-909.867	-909.863				-909.867	11+300
	-909.670	-909.668				-909.670	11+310
	-909.447	-909.446				-909.447	11+320
	-909.198	-909.198				-909.198	11+330
	-908.906	-908.936				-908.906	11+340
	-908.674	-908.674				-908.674	11+350
	-908.412	-908.412				-908.412	11+360
	-908.151	-908.151				-908.151	11+370
	-907.917	-907.917				-907.917	11+380
	-907.727	-907.727				-907.727	11+390
	-907.578	-907.578				-907.578	11+400
	-907.472	-907.472				-907.472	11+410
	-907.409	-907.409				-907.409	11+420
	-907.388	-907.388				-907.388	11+430
	-907.410	-907.410				-907.410	11+440
	-907.474	-907.474				-907.474	11+450
	-907.581	-907.581				-907.581	11+460
	-907.730	-907.730				-907.730	11+470
	-907.922	-907.922				-907.922	11+480
	-908.156	-908.156				-908.156	11+490
	-908.432	-908.432				-908.432	11+500
	-908.752	-908.752				-908.752	11+510
	-909.112	-909.112				-909.112	11+520
	-909.468	-909.468				-909.468	11+530
	-909.863	-909.863				-909.863	11+540
	-910.239	-910.239				-910.239	11+550
	-910.614	-910.614				-910.614	11+560
	-910.989	-910.989				-910.989	11+570
	-911.365	-911.365				-911.365	11+580
	-911.740	-911.740				-911.740	11+590
	-912.116	-912.116				-912.116	11+600
	-912.491	-912.491				-912.491	11+610
	-912.866	-912.866				-912.866	11+620
	-913.239	-913.239				-913.239	11+630
	-913.605	-913.604				-913.605	11+640
	-913.964	-913.964				-913.964	11+650
	-914.318	-914.317				-914.318	11+660
	-914.665	-914.663				-914.665	11+670
	-915.006	-915.004				-915.006	11+680
	-915.341	-915.338				-915.341	11+690
	-915.670	-915.665				-915.670	11+700
	-915.992	-915.986				-915.992	11+710
	-916.308	-916.301				-916.308	11+720
	-916.618	-916.610				-916.618	11+730
	-916.922	-916.912				-916.922	11+740
	-917.219	-917.207				-917.219	11+750
	-917.510	-917.497				-917.510	11+760
	-917.795	-917.780				-917.795	11+770
	-918.074	-918.056				-918.074	11+780
	-918.347	-918.326				-918.347	11+790
	-918.613	-918.590				-918.613	11+800
	-918.873	-918.847				-918.873	11+810
	-919.127	-919.098				-919.127	11+820
	-919.374	-919.343				-919.374	11+830
	-919.615	-919.581				-919.615	11+840
	-919.850	-919.813				-919.850	11+850
	-920.079	-920.039				-920.079	11+860
	-920.302	-920.258				-920.302	11+870
	-920.518	-920.471				-920.518	11+880
	-920.728	-920.677				-920.728	11+890
	-920.822	-920.877				-920.822	11+900

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 11+200 TO CH: 11+900	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-37-J	RD-37	A1	H=1:1000 V=1:100	July 2015

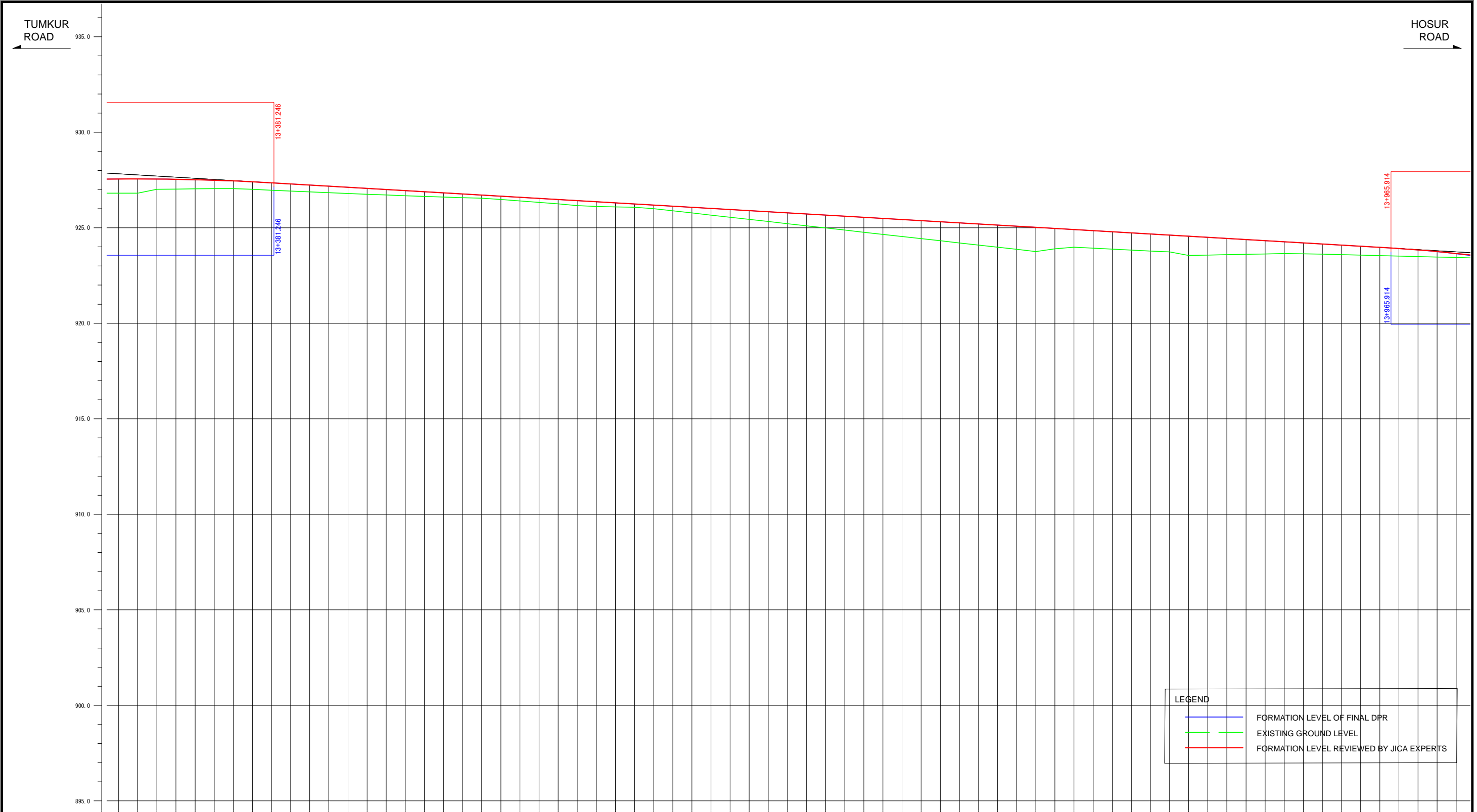




LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	—	—
REVISION BY JICA EXPERTS	—	—
GROUND LEVEL ALONG REFERENCE LINE	—	—
CHANAGE	12+600-923.343	12+610-922.957
	12+620-922.572	12+630-922.186
	12+640-921.800	12+650-921.414
	12+660-921.028	12+670-920.643
	12+680-920.257	12+690-919.871
	12+700-919.525	12+710-919.351
	12+720-919.176	12+730-919.002
	12+740-918.827	12+750-918.653
	12+760-918.478	12+770-918.391
	12+780-918.306	12+790-918.221
	12+800-918.196	12+810-918.443
	12+820-918.689	12+830-918.843
	12+840-918.935	12+850-919.178
	12+860-919.471	12+870-919.800
	12+880-920.128	12+890-920.457
	12+900-920.785	12+910-921.113
	12+920-921.442	12+930-922.170
	12+940-922.106	12+950-923.047
	12+960-923.190	12+970-923.333
	12+980-923.476	12+990-923.619
	13+000-923.762	13+010-923.933
	13+020-924.105	13+030-924.278
	13+040-924.450	13+050-924.623
	13+060-924.776	13+070-924.916
	13+080-925.060	13+090-925.210
	13+100-925.360	13+110-925.510
	13+120-925.600	13+130-925.810
	13+140-925.960	13+150-926.110
	13+160-926.260	13+170-926.410
	13+180-926.560	13+190-926.643
	13+200-926.668	13+210-926.693
	13+220-926.718	13+230-926.743
	13+240-926.768	13+250-926.796
	13+260-926.791	13+270-926.797
	13+280-926.802	13+290-926.808
	13+300-926.813	

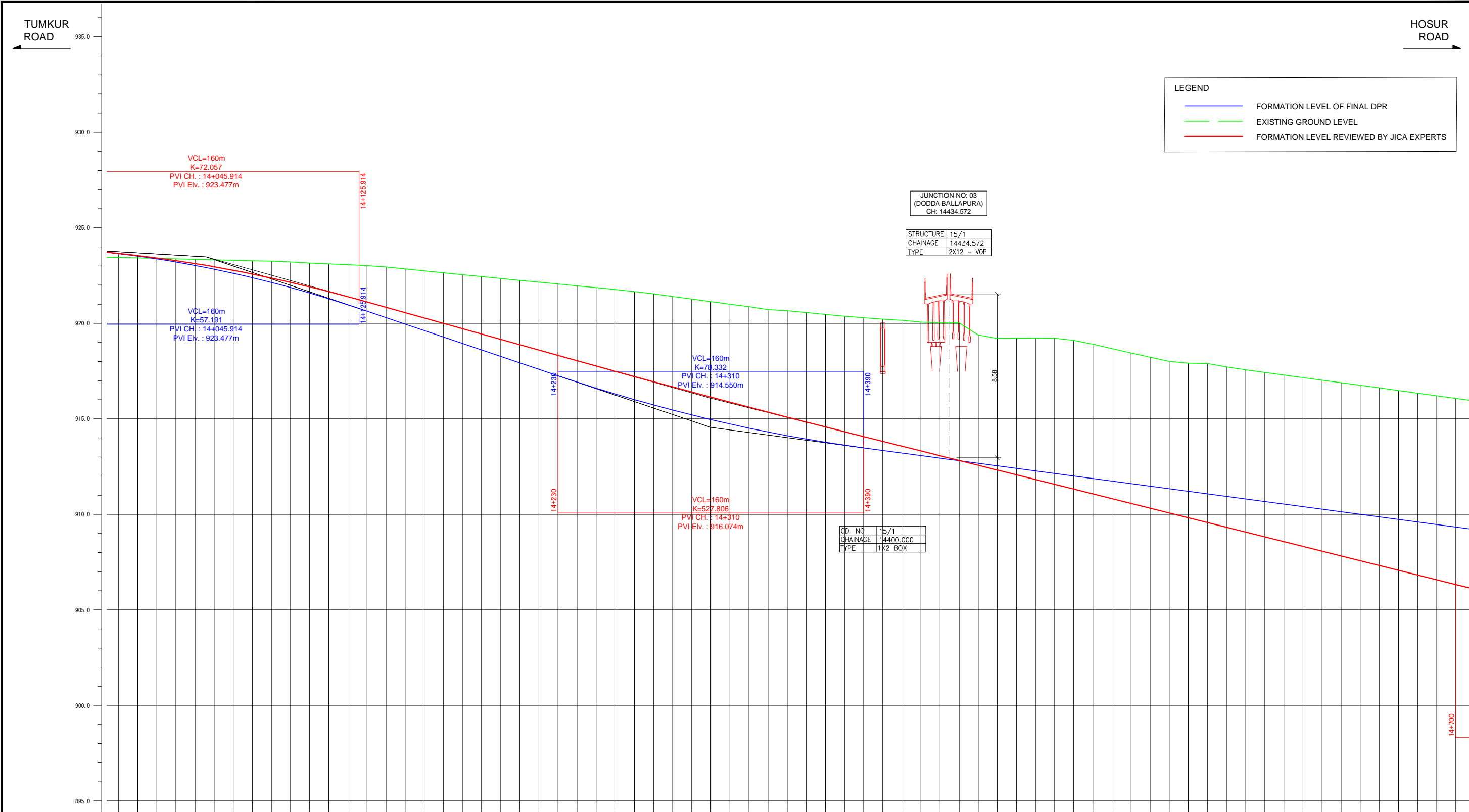
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 12+600 TO CH: 13+300	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-39-J	RD-39	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

CHANGAGE	FORMATION LEVEL ALONG REFERENCE LINE		GROUND LEVEL ALONG REFERENCE LINE
	ORIGINAL	REVISION BY JICA EXPERTS	
13+300	-926.813	-927.555	-926.813
13+310	-926.817	-927.559	-926.817
13+320	-927.012	-927.554	-927.012
13+330	-927.027	-927.542	-927.027
13+340	-927.040	-927.521	-927.040
13+350	-927.048	-927.492	-927.048
13+360	-927.052	-927.455	-927.052
13+370	-927.015	-927.410	-927.015
13+380	-926.967	-927.357	-926.967
13+390	-926.922	-927.299	-926.922
13+400	-926.878	-927.241	-926.878
13+410	-926.835	-927.182	-926.835
13+420	-926.794	-927.124	-926.794
13+430	-926.754	-927.066	-926.754
13+440	-926.716	-927.008	-926.716
13+450	-926.679	-926.949	-926.679
13+460	-926.644	-926.891	-926.644
13+470	-926.611	-926.833	-926.611
13+480	-926.578	-926.775	-926.578
13+490	-926.550	-926.716	-926.550
13+500	-926.480	-926.658	-926.480
13+510	-926.403	-926.600	-926.403
13+520	-926.327	-926.541	-926.327
13+530	-926.250	-926.483	-926.250
13+540	-926.160	-926.425	-926.160
13+550	-926.119	-926.367	-926.119
13+560	-926.095	-926.308	-926.095
13+570	-926.073	-926.250	-926.073
13+580	-926.001	-926.192	-926.001
13+590	-925.888	-926.134	-925.888
13+600	-925.776	-926.075	-925.776
13+610	-925.664	-926.017	-925.664
13+620	-925.552	-925.959	-925.552
13+630	-925.440	-925.900	-925.440
13+640	-925.328	-925.842	-925.328
13+650	-925.216	-925.784	-925.216
13+660	-925.104	-925.726	-925.104
13+670	-924.992	-925.667	-924.992
13+680	-924.880	-925.609	-924.880
13+690	-924.768	-925.551	-924.768
13+700	-924.656	-925.493	-924.656
13+710	-924.544	-925.434	-924.544
13+720	-924.432	-925.376	-924.432
13+730	-924.320	-925.318	-924.320
13+740	-924.208	-925.260	-924.208
13+750	-924.096	-925.201	-924.096
13+760	-923.984	-925.143	-923.984
13+770	-923.872	-925.085	-923.872
13+780	-923.760	-925.026	-923.760
13+790	-923.648	-924.968	-923.648
13+800	-923.536	-924.910	-923.536
13+810	-923.424	-924.852	-923.424
13+820	-923.312	-924.793	-923.312
13+830	-923.200	-924.735	-923.200
13+840	-923.088	-924.677	-923.088
13+850	-922.976	-924.619	-922.976
13+860	-922.864	-924.560	-922.864
13+870	-922.752	-924.502	-922.752
13+880	-922.640	-924.444	-922.640
13+890	-922.528	-924.385	-922.528
13+900	-922.416	-924.327	-922.416
13+910	-922.304	-924.269	-922.304
13+920	-922.192	-924.211	-922.192
13+930	-922.080	-924.152	-922.080
13+940	-921.968	-924.094	-921.968
13+950	-921.856	-924.036	-921.856
13+960	-921.744	-923.978	-921.744
13+970	-921.632	-923.918	-921.632
13+980	-921.520	-923.859	-921.520
13+990	-921.408	-923.799	-921.408
14+000	-921.296	-923.740	-921.296

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 13+300 TO CH: 14+000	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-40-J	RD-40	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

JUNCTION NO: 03  
(DODDA BALLAPURA)  
CH: 14434.572

STRUCTURE 15/1  
CHAINAGE 14434.572  
TYPE 2X12 - VOP

OD. NO 15/1  
CHAINAGE 14400.000  
TYPE 1K2 BOX

FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL
	REVISION BY JICA EXPERTS

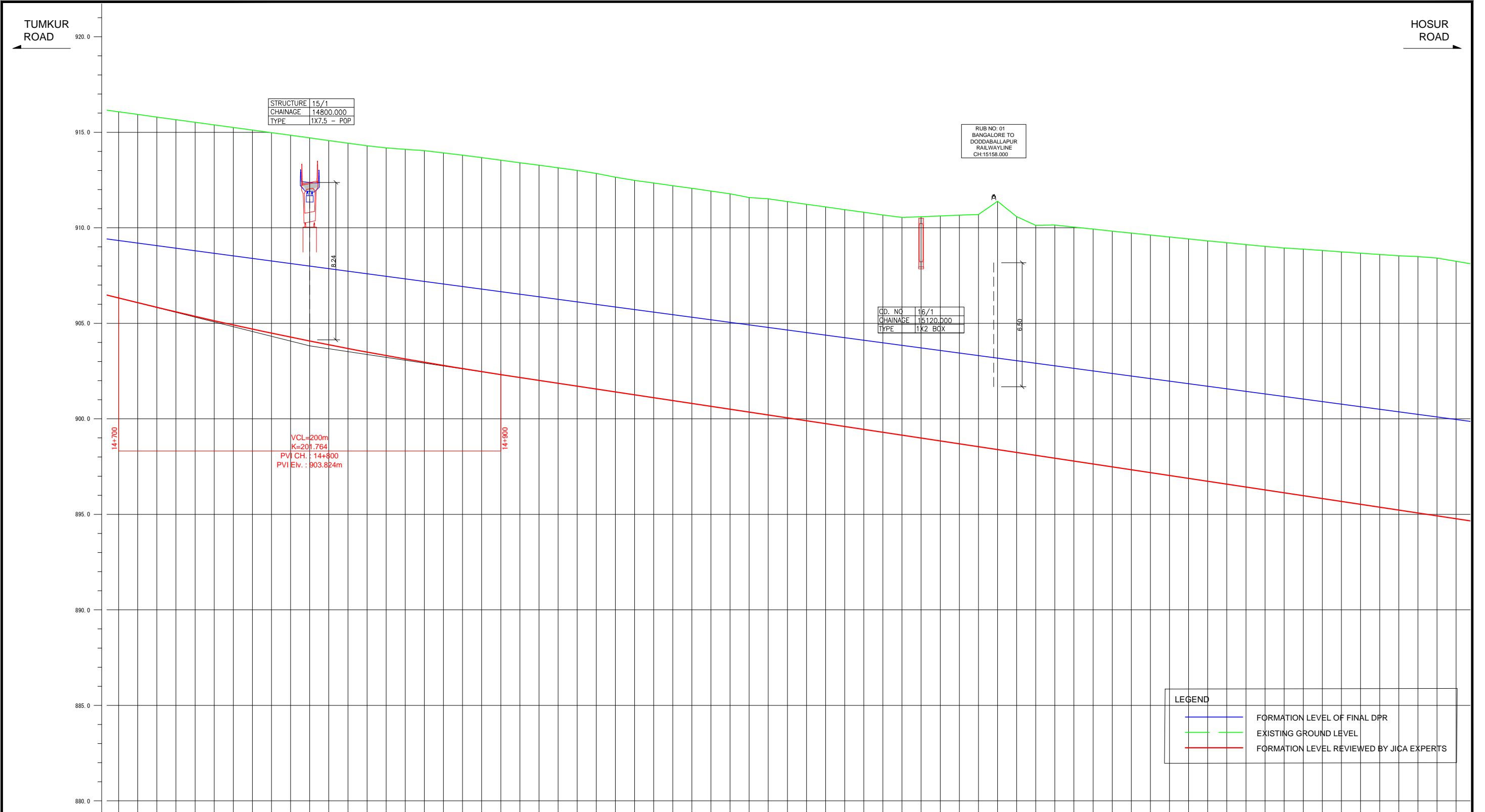
  

VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL
	REVISION BY JICA EXPERTS

GROUND LEVEL ALONG REFERENCE LINE
CHANCE

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD PROFILE CH: 14+000 TO CH: 14+700	RD-41-J	RD-41	A1	H=1:1000 V=1:100	July 2015



STRUCTURE	15/1
CHAINAGE	14800.000
TYPE	1X7.5 - POP

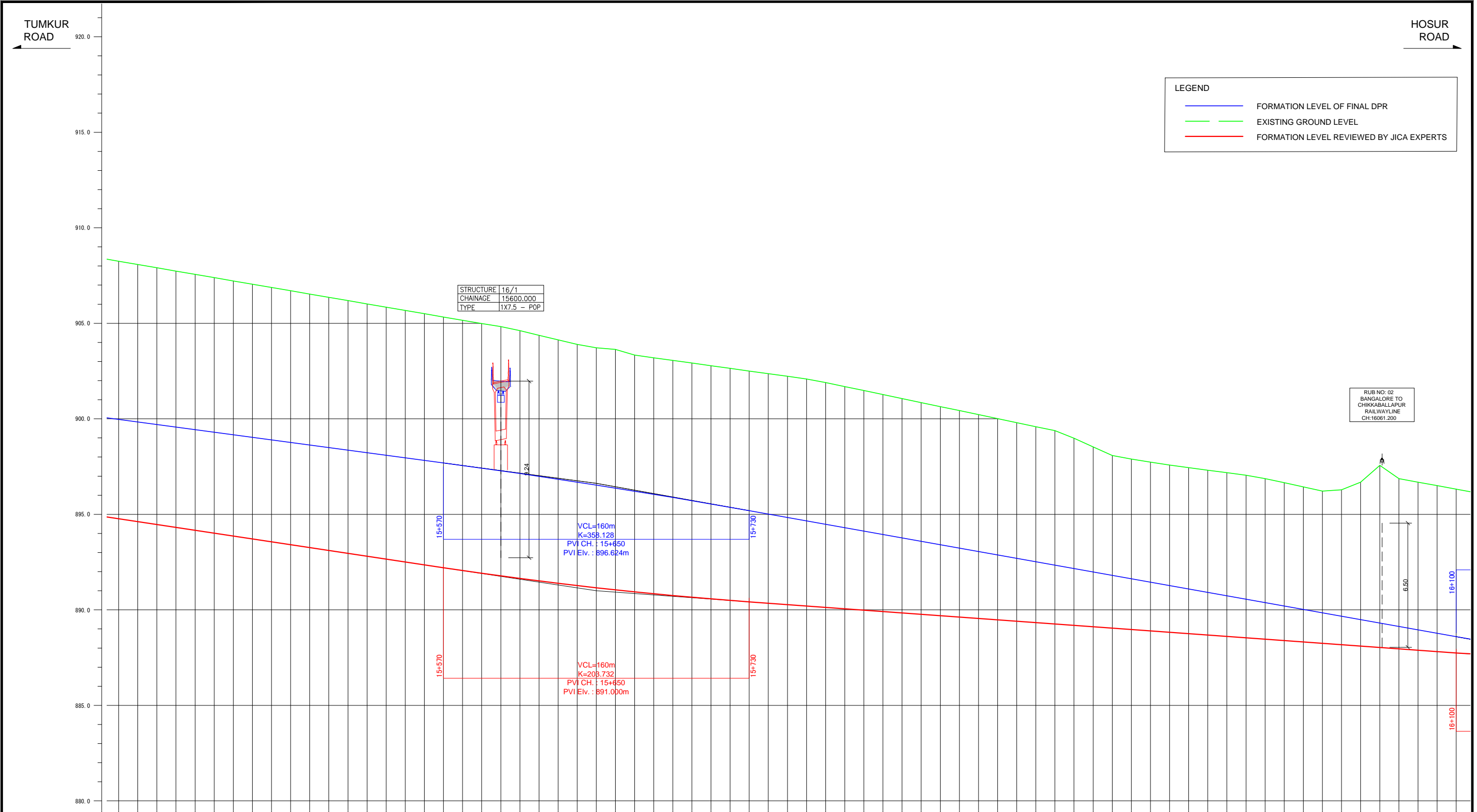
RUB NO: 01	BANGALORE TO DODDABALLAPUR RAILWAYLINE
CH: 15158.000	

CD. NO	16/1
CHAINAGE	15120.000
TYPE	1X2 BOX

LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	-906.324 -909.333	-906.077 -908.199	-905.834 -909.065	-905.597 -908.931	-905.364 -908.798	-905.138 -908.664	-904.914 -908.530	-904.696 -908.396	-904.483 -908.263	-904.275 -908.129	-904.072 -907.995	-903.874 -907.861	-903.681 -907.727	-903.483 -907.594	-903.310 -907.480	-903.132 -907.326	-902.959 -907.192	-902.790 -907.059	-902.627 -906.925	-902.469 -906.791	-902.316 -906.657	-902.165 -906.523	-902.014 -906.390	-901.863 -906.256	-901.712 -906.122	-901.561 -905.988	-901.410 -905.855	-901.259 -905.721	-901.109 -905.587	-900.958 -905.453	-900.807 -905.319	-900.656 -905.186	-900.505 -905.052	-900.354 -904.918	-900.203 -904.784	-900.052 -904.651	-899.902 -904.517	-899.751 -904.383	-899.600 -904.249	-899.449 -904.115	-899.298 -903.982	-899.147 -903.848	-888.996 -903.714	-888.845 -903.580	-888.695 -903.447	-888.544 -903.313	-888.393 -903.179	-888.242 -903.045	-888.091 -902.911	-887.940 -902.778	-887.789 -902.644	-887.639 -902.510	-887.488 -902.376	-887.337 -902.243	-887.186 -902.109	-887.035 -901.975	-886.884 -901.841	-886.733 -901.707	-886.582 -901.574	-886.431 -901.440	-886.281 -901.306	-886.130 -901.172	-885.979 -901.039	-885.828 -900.905	-885.677 -900.771	-885.526 -900.637	-885.375 -900.504	-885.224 -900.370	-885.074 -900.236	-884.923 -900.102	-884.772 -899.968
	REVISION BY JICA EXPERTS																																																																							
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	<span style="color: blue;">-1.338%</span> <span style="color: blue;">L=1340.000m</span>																																																																						
REVISION BY JICA EXPERTS	<span style="color: red;">903.824</span> <span style="color: red;">-1.500%</span> <span style="color: red;">L=850.000m</span>																																																																							
GROUND LEVEL ALONG REFERENCE LINE	-14+700 -916.089	-14+710 -915.933	-14+720 -915.796	-14+730 -915.660	-14+740 -915.524	-14+750 -915.387	-14+760 -915.251	-14+770 -915.114	-14+780 -914.978	-14+790 -914.841	-14+800 -914.705	-14+810 -914.568	-14+820 -914.432	-14+830 -914.295	-14+840 -914.158	-14+850 -914.111	-14+860 -914.038	-14+870 -913.923	-14+880 -913.802	-14+890 -913.673	-14+900 -913.540	-14+910 -913.407	-14+920 -913.274	-14+930 -913.141	-14+940 -913.008	-14+950 -912.847	-14+960 -912.650	-14+970 -912.483	-14+980 -912.343	-14+990 -912.203	-15+000 -912.063	-15+010 -911.923	-15+020 -911.783	-15+030 -911.585	-15+040 -911.514	-15+050 -911.374	-15+060 -911.233	-15+070 -911.093	-15+080 -910.953	-15+090 -910.812	-15+100 -910.672	-15+110 -910.541	-15+120 -910.580	-15+130 -910.619	-15+140 -910.658	-15+150 -910.697	-15+160 -911.389	-15+170 -910.589	-15+180 -910.124	-15+190 -910.145	-15+200 -910.038	-15+210 -909.932	-15+220 -909.826	-15+230 -909.722	-15+240 -909.618	-15+250 -909.515	-15+260 -909.414	-15+270 -909.315	-15+280 -909.218	-15+290 -909.123	-15+300 -909.031	-15+310 -908.941	-15+320 -908.850	-15+330 -908.813	-15+340 -908.741	-15+350 -908.672	-15+360 -908.604	-15+370 -908.537	-15+380 -908.491	-15+390 -908.420	-15+400 -908.251	
CHANAGE	-14+700	-14+710	-14+720	-14+730	-14+740	-14+750	-14+760	-14+770	-14+780	-14+790	-14+800	-14+810	-14+820	-14+830	-14+840	-14+850	-14+860	-14+870	-14+880	-14+890	-14+900	-14+910	-14+920	-14+930	-14+940	-14+950	-14+960	-14+970	-14+980	-14+990	-15+000	-15+010	-15+020	-15+030	-15+040	-15+050	-15+060	-15+070	-15+080	-15+090	-15+100	-15+110	-15+120	-15+130	-15+140	-15+150	-15+160	-15+170	-15+180	-15+190	-15+200	-15+210	-15+220	-15+230	-15+240	-15+250	-15+260	-15+270	-15+280	-15+290	-15+300	-15+310	-15+320	-15+330	-15+340	-15+350	-15+360	-15+370	-15+380	-15+390	-15+400	

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 14+700 TO CH: 15+400	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-42-J	RD-42	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

STRUCTURE	16/1
CHAINAGE	15600.000
TYPE	1X7.5 - POP

RUB NO: 02  
BANGALORE TO  
CHIKKABALLAPUR  
RAILWAYLINE  
CH:16061.200

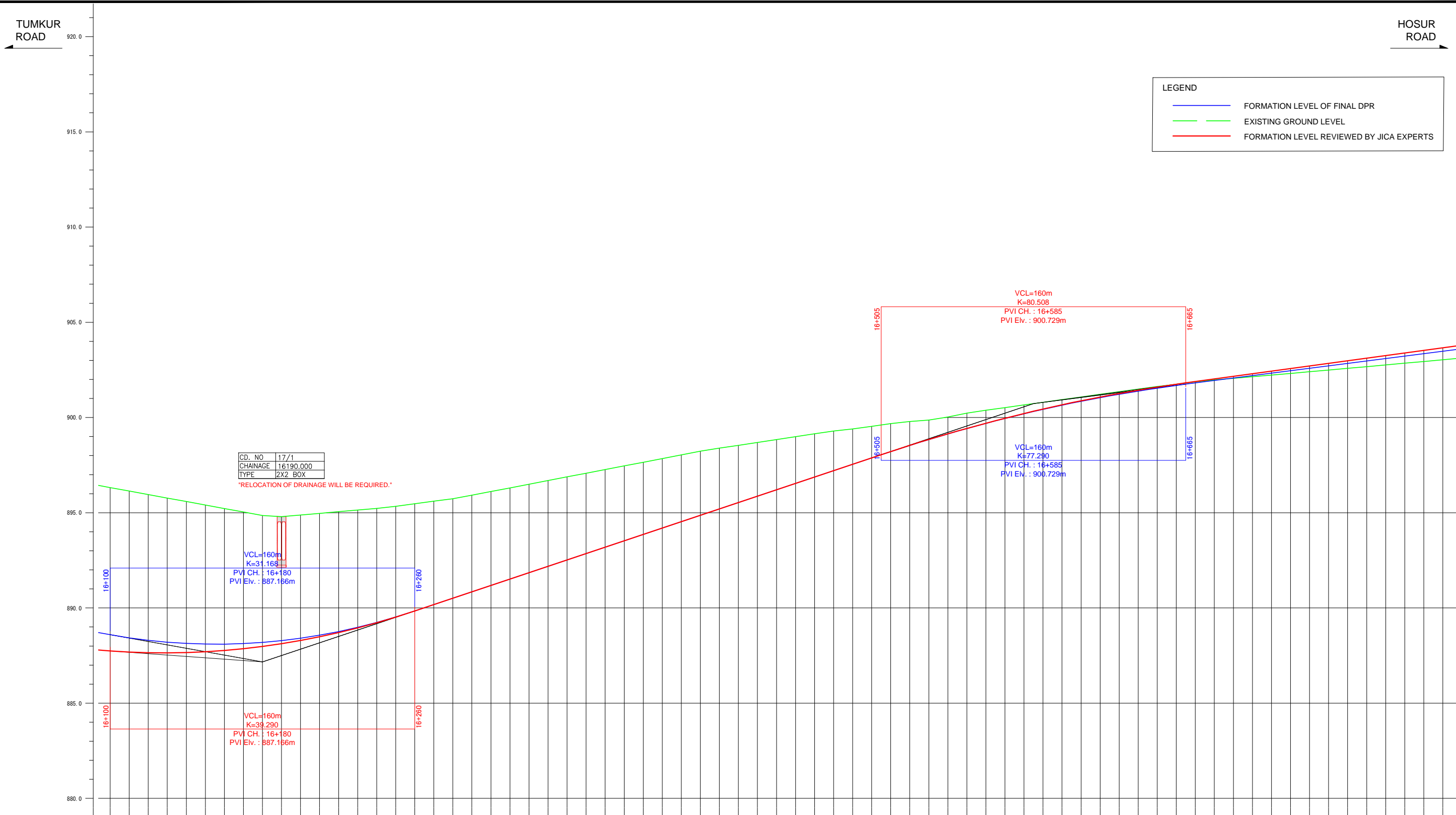
FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	[Blue line with slope -1.785% L=530.000m]	
REVISION BY JICA EXPERTS	[Red line with slope -0.723% L=530.000m]	
GROUND LEVEL ALONG REFERENCE LINE	[Green line]	
CHANAGE	15+400	896.251
	15+410	896.078
	15+420	897.906
	15+430	897.734
	15+440	897.562
	15+450	897.390
	15+460	897.219
	15+470	897.047
	15+480	896.875
	15+490	896.704
	15+500	896.532
	15+510	896.361
	15+520	896.189
	15+530	896.017
	15+540	895.846
	15+550	895.674
	15+560	895.502
	15+570	895.331
	15+580	895.159
	15+590	894.987
	15+600	894.824
	15+610	894.613
	15+620	894.374
	15+630	894.135
	15+640	893.896
	15+650	893.721
	15+660	893.630
	15+670	893.335
	15+680	893.197
	15+690	893.058
	15+700	892.919
	15+710	892.781
	15+720	892.642
	15+730	892.503
	15+740	892.365
	15+750	892.226
	15+760	892.088
	15+770	891.900
	15+780	891.690
	15+790	891.480
	15+800	891.270
	15+810	891.060
	15+820	890.850
	15+830	890.640
	15+840	890.430
	15+850	890.221
	15+860	890.011
	15+870	889.801
	15+880	889.591
	15+890	889.381
	15+900	889.170
	15+910	888.960
	15+920	888.750
	15+930	888.540
	15+940	888.330
	15+950	888.120
	15+960	887.910
	15+970	887.700
	15+980	887.490
	15+990	887.280
	16+000	887.070
	16+010	886.860
	16+020	886.650
	16+030	886.440
	16+040	886.230
	16+050	886.020
	16+060	885.810
	16+070	885.600
	16+080	885.390
	16+090	885.180
	16+100	884.970

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 15+400 TO CH: 16+100	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-43-J	RD-43	A1	H=1:1000 V=1:100	July 2015

TUMKUR ROAD

HOSUR ROAD

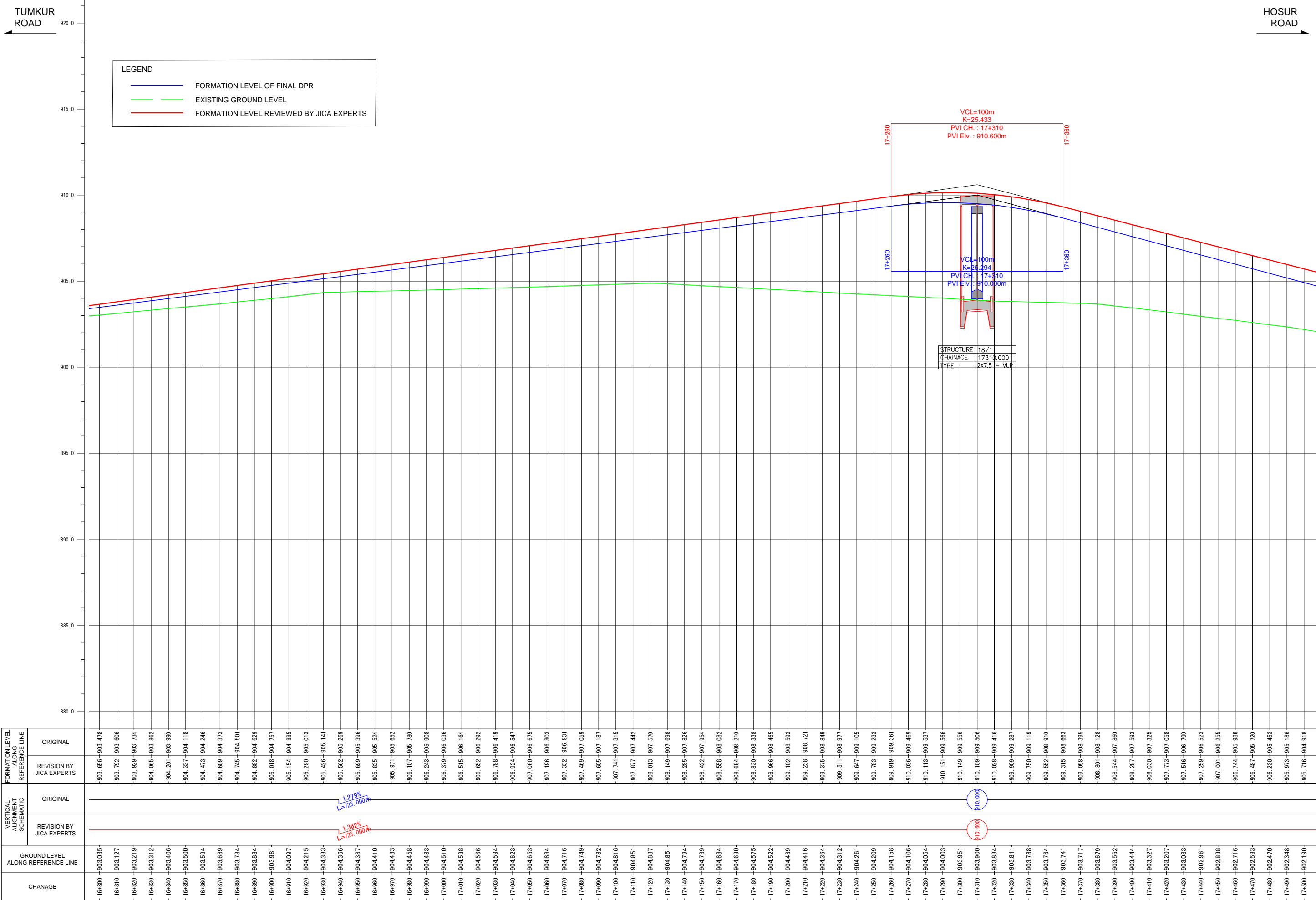
LEGEND	
	FORMATION LEVEL OF FINAL DPR
	EXISTING GROUND LEVEL
	FORMATION LEVEL REVIEWED BY JICA EXPERTS



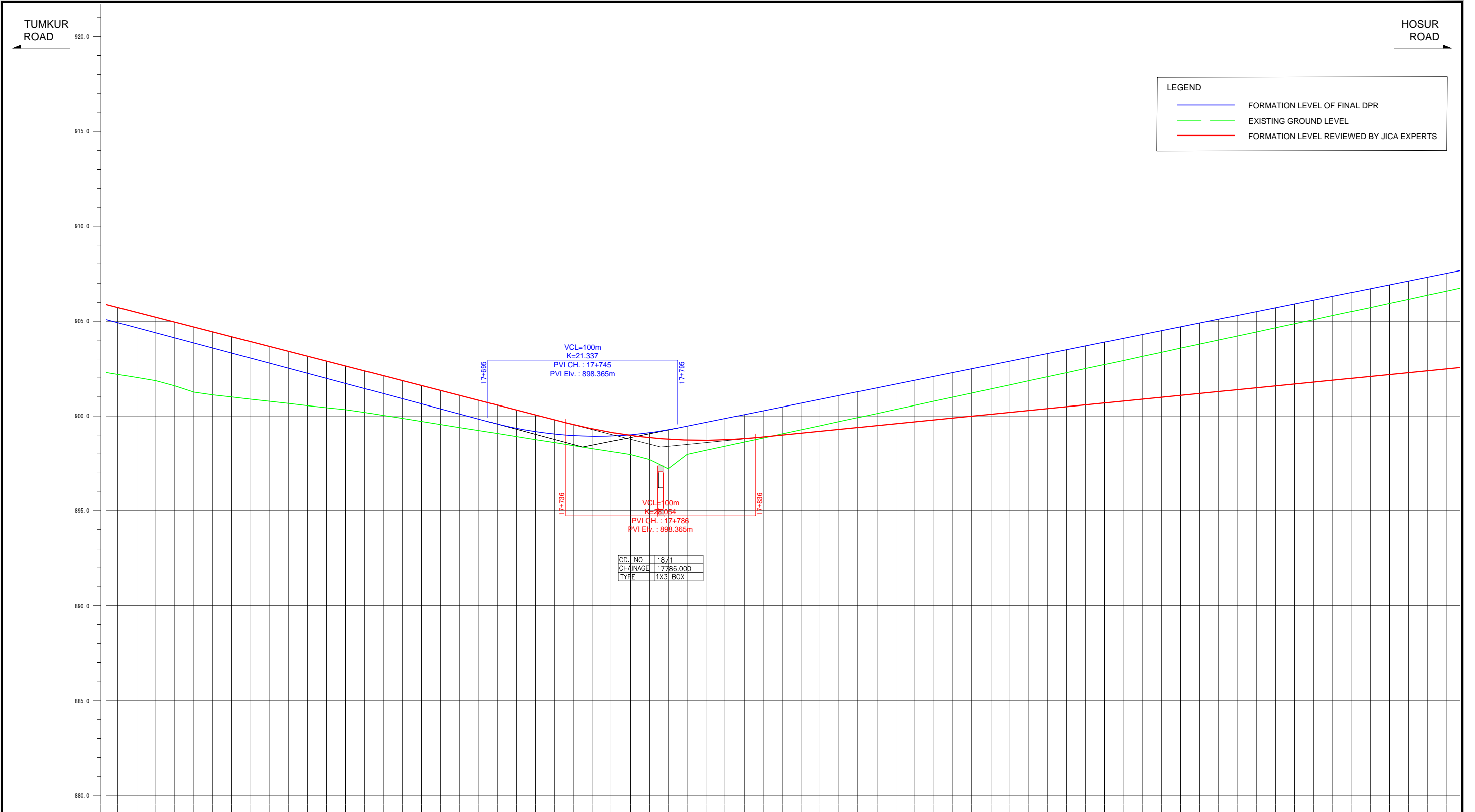
FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	ORIGINAL
		REVISION BY JICA EXPERTS
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	
	REVISION BY JICA EXPERTS	
GROUND LEVEL ALONG REFERENCE LINE		-887.145 -888.594 -887.685 -888.431 -887.651 -888.301 -887.642 -888.203 -887.659 -888.136 -887.701 -888.102 -887.769 -888.100 -887.862 -888.131 -887.980 -888.193 -888.124 -888.287 -888.294 -888.413 -888.489 -888.572 -888.709 -888.762 -888.955 -888.985 -889.226 -889.240 -889.523 -889.526 -889.845 -889.845 -889.180 -890.180 -889.515 -890.515 -889.850 -890.850 -891.185 -891.185 -891.520 -891.520 -891.854 -891.854 -892.189 -892.189 -892.524 -892.524 -892.859 -892.859 -893.194 -893.194 -893.529 -893.529 -893.864 -893.864 -894.199 -894.199 -894.534 -894.534 -894.868 -894.868 -895.203 -895.203 -895.538 -895.538 -895.873 -895.873 -896.208 -896.208 -896.543 -896.543 -896.878 -896.878 -897.213 -897.213 -897.548 -897.548 -897.882 -897.882 -898.216 -898.216 -898.558 -898.558 -898.848 -898.847 -899.146 -899.143 -899.431 -899.426 -899.704 -899.696 -899.964 -899.953 -900.212 -900.198 -900.448 -900.429 -900.671 -900.647 -900.882 -900.853 -901.080 -901.046 -901.266 -901.225 -901.439 -901.392 -901.600 -901.546 -901.749 -901.686 -901.886 -901.816 -902.022 -901.944 -902.159 -902.072 -902.295 -902.200 -902.431 -902.327 -902.567 -902.455 -902.703 -902.583 -902.839 -902.711 -902.976 -902.839 -903.112 -902.967 -903.248 -903.095 -903.384 -903.223 -903.520 -903.350 -903.656 -903.478
CHANAGE		16+100 -896.320 16+110 -896.137 16+120 -895.954 16+130 -895.771 16+140 -895.588 16+150 -895.405 16+160 -895.222 16+170 -895.039 16+180 -894.856 16+190 -894.795 16+200 -894.881 16+210 -894.968 16+220 -895.054 16+230 -895.140 16+240 -895.226 16+250 -895.309 16+260 -895.472 16+270 -895.606 16+280 -895.739 16+290 -895.921 16+300 -896.114 16+310 -896.306 16+320 -896.498 16+330 -896.691 16+340 -896.883 16+350 -897.075 16+360 -897.268 16+370 -897.460 16+380 -897.652 16+390 -897.845 16+400 -898.037 16+410 -898.229 16+420 -898.390 16+430 -898.541 16+440 -898.691 16+450 -898.842 16+460 -898.993 16+470 -899.144 16+480 -899.295 16+490 -899.404 16+500 -899.540 16+510 -899.679 16+520 -899.789 16+530 -899.863 16+540 -900.029 16+550 -900.233 16+560 -900.382 16+570 -900.521 16+580 -900.660 16+590 -900.799 16+600 -900.939 16+610 -901.078 16+620 -901.217 16+630 -901.356 16+640 -901.495 16+650 -901.627 16+660 -901.750 16+670 -901.873 16+680 -901.976 16+690 -902.058 16+700 -902.140 16+710 -902.227 16+720 -902.316 16+730 -902.405 16+740 -902.494 16+750 -902.583 16+760 -902.672 16+770 -902.762 16+780 -902.853 16+790 -902.944 16+800 -903.035

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 16+100 TO CH: 16+800	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-44-J	RD-44	A1	H=1:1000 V=1:100	July 2015





Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-45-J	RD-45	A1	H=1:1000 V=1:100	July 2015

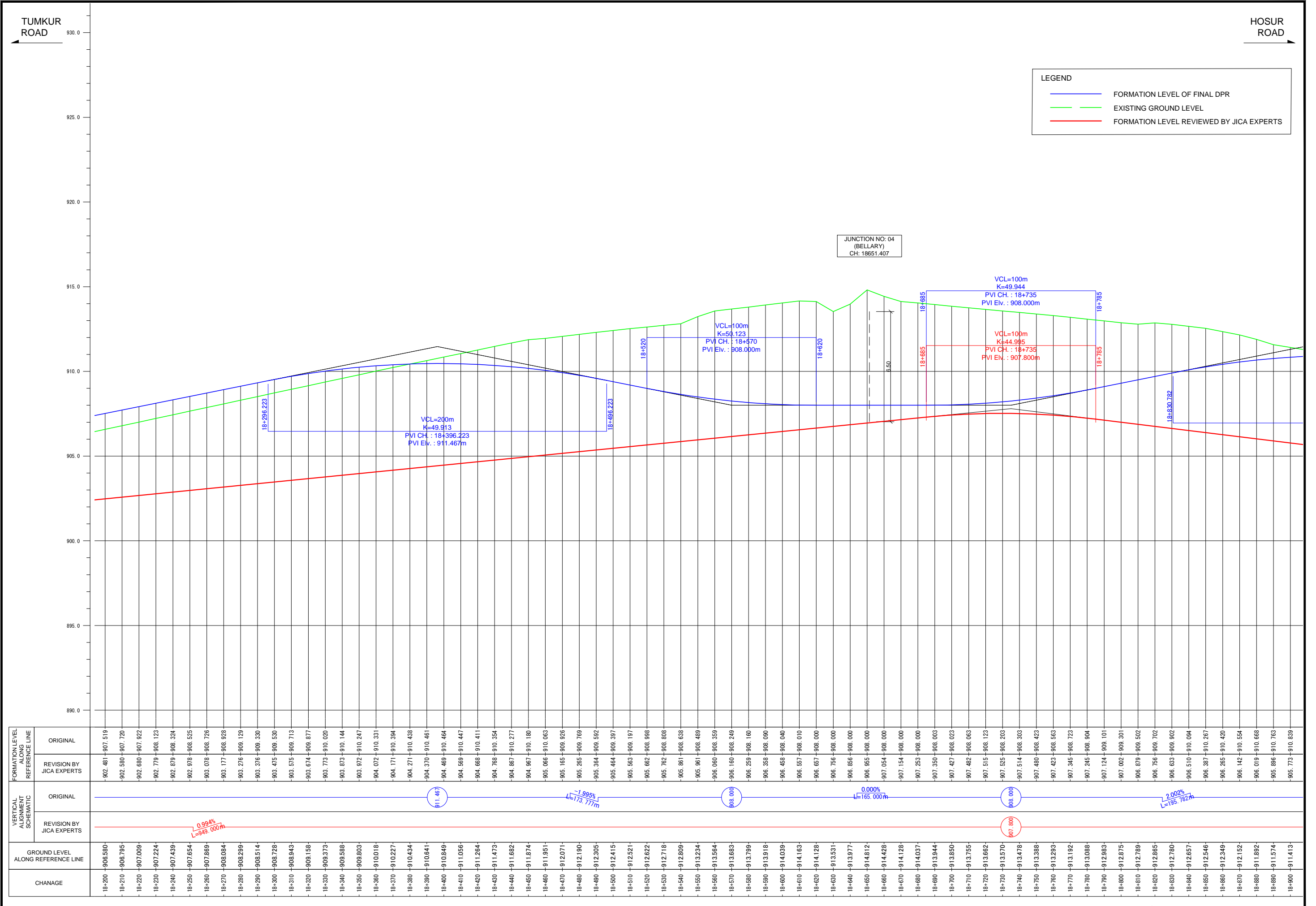


LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

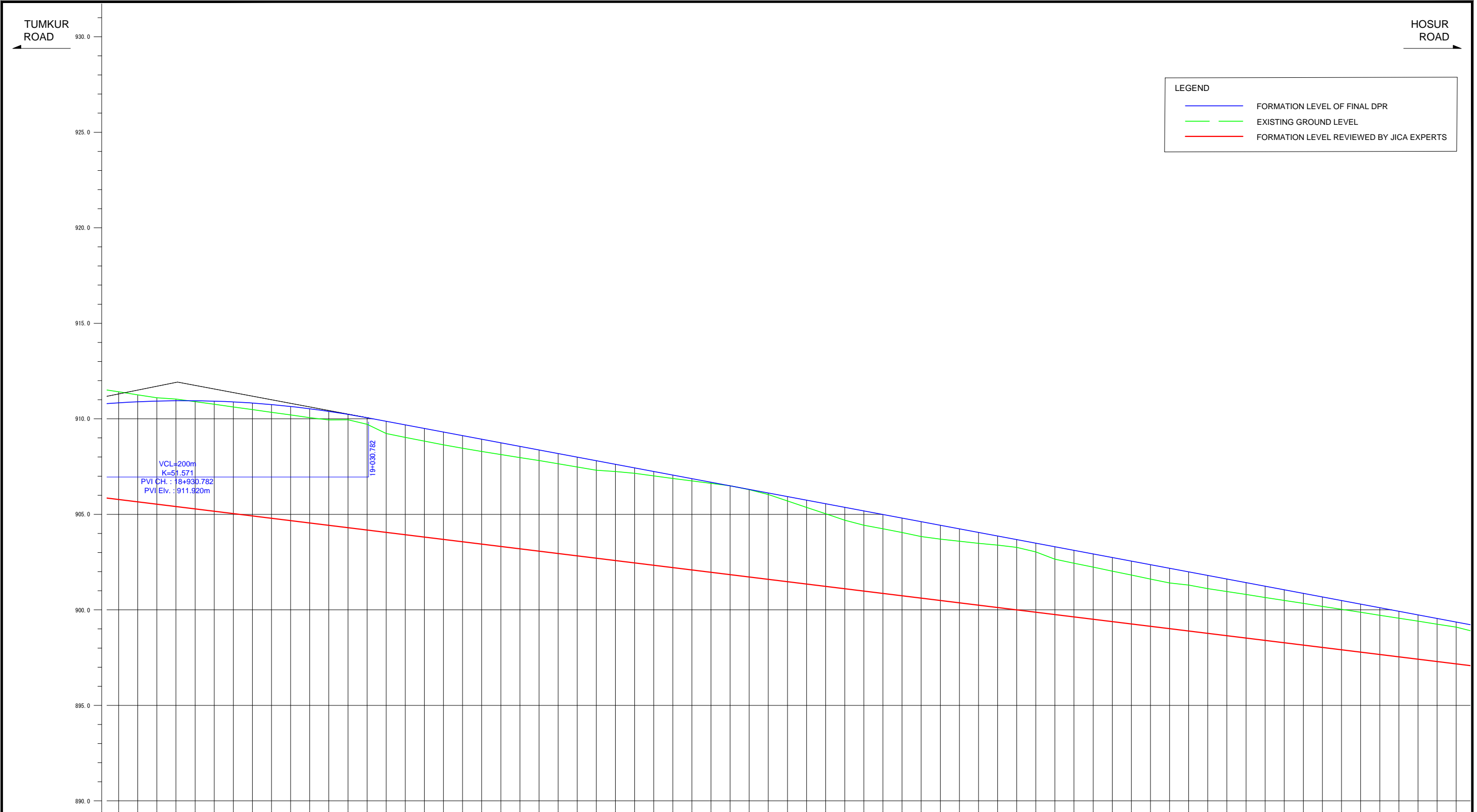
CD. NO.	18/1
CHAINAGE	17+786.000
TYPE	1X3 BOX

FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL ALIGNMENT SCHEMATIC	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	$-2.675\%$ $L=435.000m$	$-2.570\%$ $L=476.000m$
REVISION BY JICA EXPERTS		
VERTICAL ALIGNMENT SCHEMATIC	VERTICAL ALIGNMENT SCHEMATIC	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	$898.365$	$898.365$
REVISION BY JICA EXPERTS		
GROUND LEVEL ALONG REFERENCE LINE	GROUND LEVEL ALONG REFERENCE LINE	
CHANGES	CHANGES	
ORIGINAL	ORIGINAL	
REVISION BY JICA EXPERTS	REVISION BY JICA EXPERTS	
CHANGES	CHANGES	

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-46-J	RD-46	A1	H=1:1000 V=1:100	July 2015



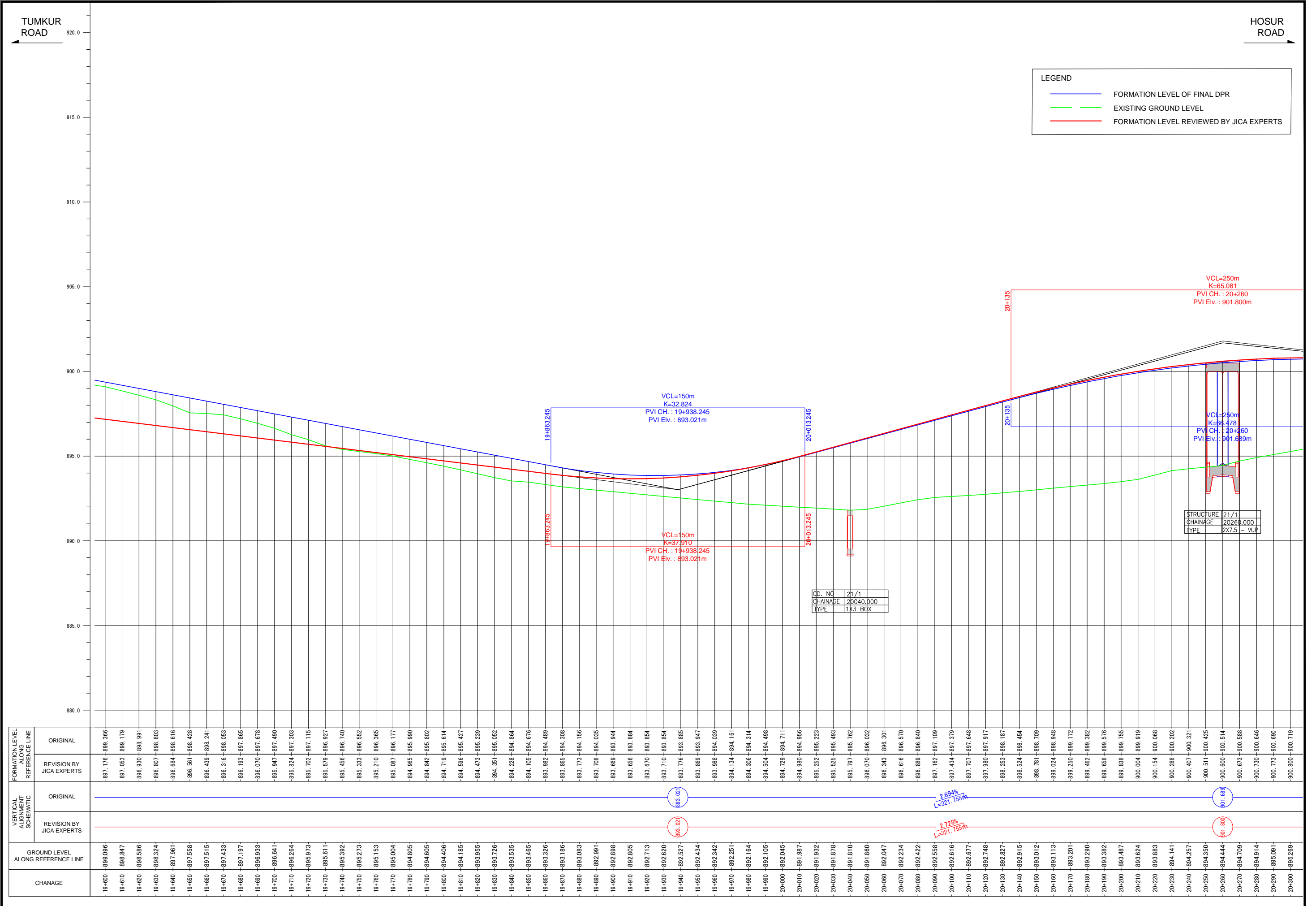
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 18+200 TO CH: 18+900	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-47-J	RD-47	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

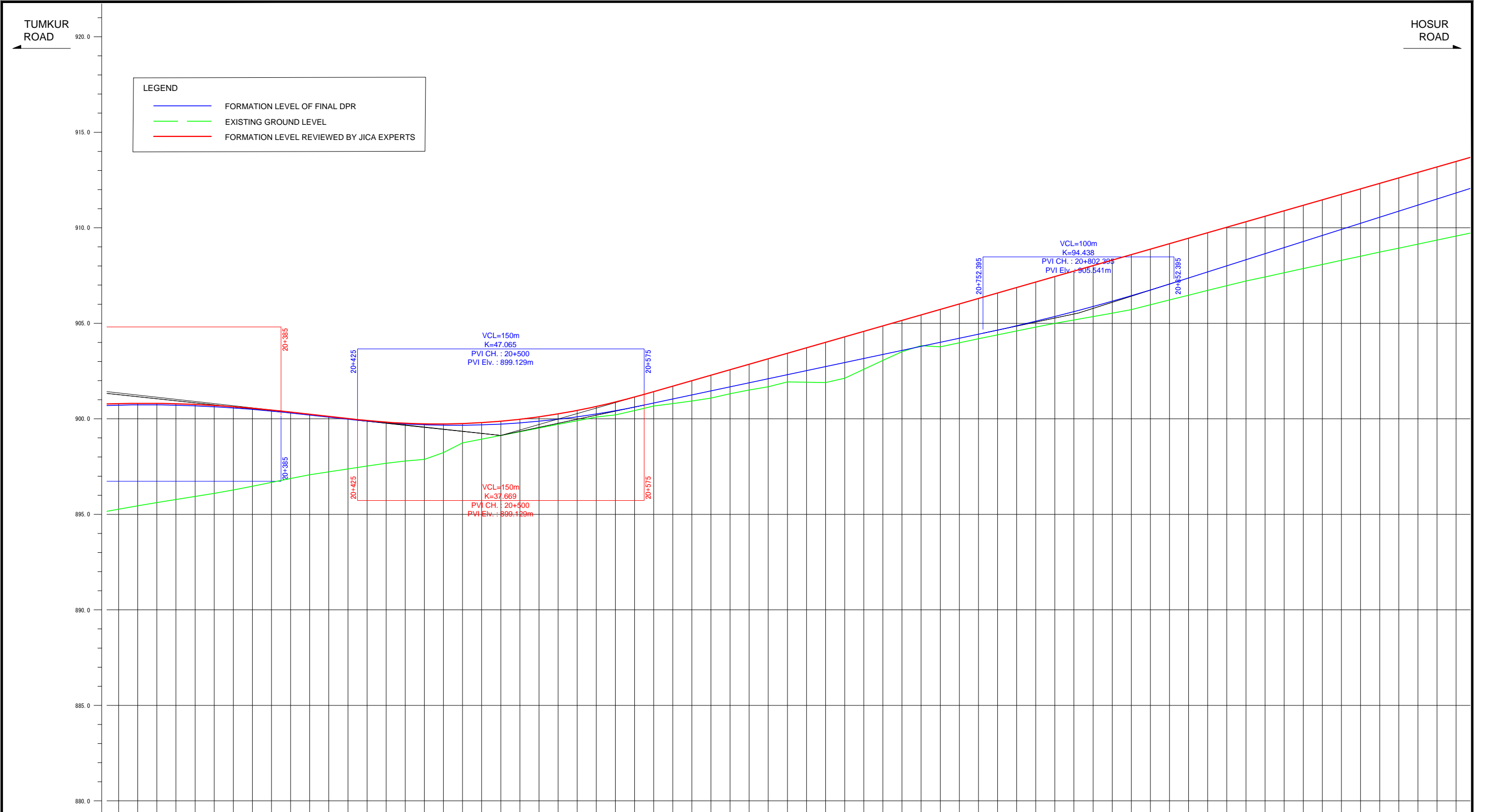
FORMATION LEVEL ALONG SCHEMATIC REFERENCE LINE	ORIGINAL	-905.773 -910.839 -905.651 -910.895 -905.528 -910.932 -905.405 -910.950 -905.282 -910.948 -905.159 -910.927 -905.036 -910.886 -904.914 -910.826 -904.791 -910.747 -904.668 -910.648 -904.545 -910.530 -904.422 -910.392 -904.299 -910.235 -904.177 -910.059 -904.054 -909.871 -903.931 -909.684 -903.808 -909.496 -903.685 -909.308 -903.562 -909.121 -903.440 -908.933 -903.317 -908.746 -903.194 -908.558 -903.071 -908.370 -902.948 -908.183 -902.826 -907.995 -902.703 -907.808 -902.580 -907.620 -902.457 -907.433 -902.334 -907.245 -902.211 -907.057 -902.089 -906.870 -901.966 -906.682 -901.843 -906.495 -901.720 -906.307 -901.597 -906.119 -901.474 -905.932 -901.352 -905.744 -901.229 -905.557 -901.106 -905.369 -900.983 -905.181 -900.860 -904.994 -900.737 -904.806 -900.615 -904.619 -900.492 -904.431 -900.369 -904.243 -900.246 -904.056 -900.123 -903.868 -900.001 -903.681 -899.878 -903.493 -899.755 -903.306 -899.632 -903.118 -899.509 -902.930 -899.386 -902.743 -899.264 -902.555 -899.141 -902.368 -899.018 -902.180 -888.895 -901.992 -888.772 -901.805 -888.649 -901.617 -888.527 -901.430 -888.404 -901.242 -888.281 -901.054 -888.158 -900.867 -888.035 -900.679 -887.912 -900.492 -887.790 -900.304 -887.667 -900.116 -887.544 -899.929 -887.421 -899.741 -887.298 -899.554 -887.176 -899.366
	REVISION BY JICA EXPERTS	
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	<span style="color: blue;">—</span>
	REVISION BY JICA EXPERTS	<span style="color: red;">—</span>
GROUND LEVEL ALONG REFERENCE LINE	-911.413 -911.254 -911.106 -911.031 -910.899 -910.762 -910.624 -910.484 -910.344 -910.202 -910.060 -909.946 -909.849 -909.710 -909.5231 -909.331 -909.135 -908.949 -908.710 -908.457 -908.291 -908.130 -907.971 -907.815 -907.645 -907.475 -907.307 -907.246 -907.147 -907.010 -906.877 -906.747 -906.621 -906.499 -906.294 -906.040 -905.702 -905.365 -905.030 -904.697 -904.334 -904.241 -904.047 -903.841 -903.703 -903.594 -903.481 -903.389 -903.275 -903.037 -902.656 -902.445 -902.235 -902.026 -901.819 -901.613 -901.406 -901.301 -901.114 -900.959 -900.804 -900.649 -900.493 -900.338 -900.183 -900.027 -899.872 -899.717 -899.561 -899.406 -899.251 -899.096	
CHANGE		

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 18+900 TO CH: 19+600	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-48-J	RD-48	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	-897.176 -899.366	-897.176 -899.366
	REVISION BY JICA EXPERTS	-897.053 -899.179	-897.053 -899.179
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	[Schematic showing original profile with 2.694% grade]	
	REVISION BY JICA EXPERTS	[Schematic showing revised profile with 2.728% grade]	
GROUND LEVEL ALONG REFERENCE LINE		-899.096	-895.259
CHANAGE		19+600	20+300

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 19+600 TO CH: 20+300	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-49-J	RD-49	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	-900.800 -900.719 -900.811 -900.733 -900.808 -900.731 -900.789 -900.715 -900.754 -900.683 -900.704 -900.637 -900.639 -900.575 -900.559 -900.499 -900.463 -900.407 -900.353 -900.302 -900.242 -900.196 -900.131 -900.089 -900.019 -899.982 -899.911 -899.878 -899.827 -899.793 -899.768 -899.729 -899.737 -899.686 -899.732 -899.664 -899.753 -899.664 -899.801 -899.685 -899.876 -899.727 -899.877 -899.790 -900.104 -899.874 -900.259 -899.980 -900.439 -900.107 -900.647 -900.256 -900.880 -900.425 -901.141 -900.616 -901.424 -900.825 -901.711 -901.037 -901.998 -901.249 -902.285 -901.461 -902.572 -901.673 -902.859 -901.886 -903.146 -902.098 -903.433 -902.310 -903.720 -902.522 -904.007 -902.734 -904.293 -902.946 -904.580 -903.158 -904.867 -903.370 -905.154 -903.582 -905.441 -903.794 -905.728 -904.006 -906.015 -904.218 -906.302 -904.430 -906.589 -904.645 -906.876 -904.871 -907.163 -905.106 -907.450 -905.353 -907.738 -905.610 -908.023 -905.878 -908.310 -906.156 -908.597 -906.445 -908.884 -906.745 -909.171 -907.055 -909.459 -907.372 -909.745 -907.690 -910.032 -908.008 -910.319 -908.326 -910.606 -908.644 -910.893 -908.962 -911.179 -909.280 -911.466 -909.598 -911.753 -909.916 -912.040 -910.234 -912.327 -910.552 -912.614 -910.870 -912.901 -911.188 -913.188 -911.506 -913.475 -911.823
	REVISION BY JICA EXPERTS	-899.129 -899.129
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	
REVISION BY JICA EXPERTS		
GROUND LEVEL ALONG REFERENCE LINE	ORIGINAL	-895.289 -895.450 -895.618 -895.779 -895.939 -896.097 -896.279 -896.471 -896.671 -896.878 -897.073 -897.229 -897.381 -897.528 -897.670 -897.794 -897.876 -898.235 -898.740 -898.934 -899.129 -899.325 -899.518 -899.711 -899.904 -900.096 -900.205 -900.438 -900.669 -900.801 -900.935 -901.089 -901.313 -901.512 -901.677 -901.936 -901.917 -901.901 -902.126 -902.592 -903.056 -903.518 -903.827 -903.787 -903.982 -904.193 -904.395 -904.598 -904.802 -904.994 -905.173 -905.352 -905.531 -905.719 -905.970 -906.221 -906.472 -906.723 -906.974 -907.213 -907.430 -907.647 -907.864 -908.081 -908.298 -908.515 -908.732 -908.937 -909.147 -909.357 -909.567
CHANAGE	ORIGINAL	20+300 20+310 20+320 20+330 20+340 20+350 20+360 20+370 20+380 20+390 20+400 20+410 20+420 20+430 20+440 20+450 20+460 20+470 20+480 20+490 20+500 20+510 20+520 20+530 20+540 20+550 20+560 20+570 20+580 20+590 20+600 20+610 20+620 20+630 20+640 20+650 20+660 20+670 20+680 20+690 20+700 20+710 20+720 20+730 20+740 20+750 20+760 20+770 20+780 20+790 20+800 20+810 20+820 20+830 20+840 20+850 20+860 20+870 20+880 20+890 20+900 20+910 20+920 20+930 20+940 20+950 20+960 20+970 20+980 20+990 21+000

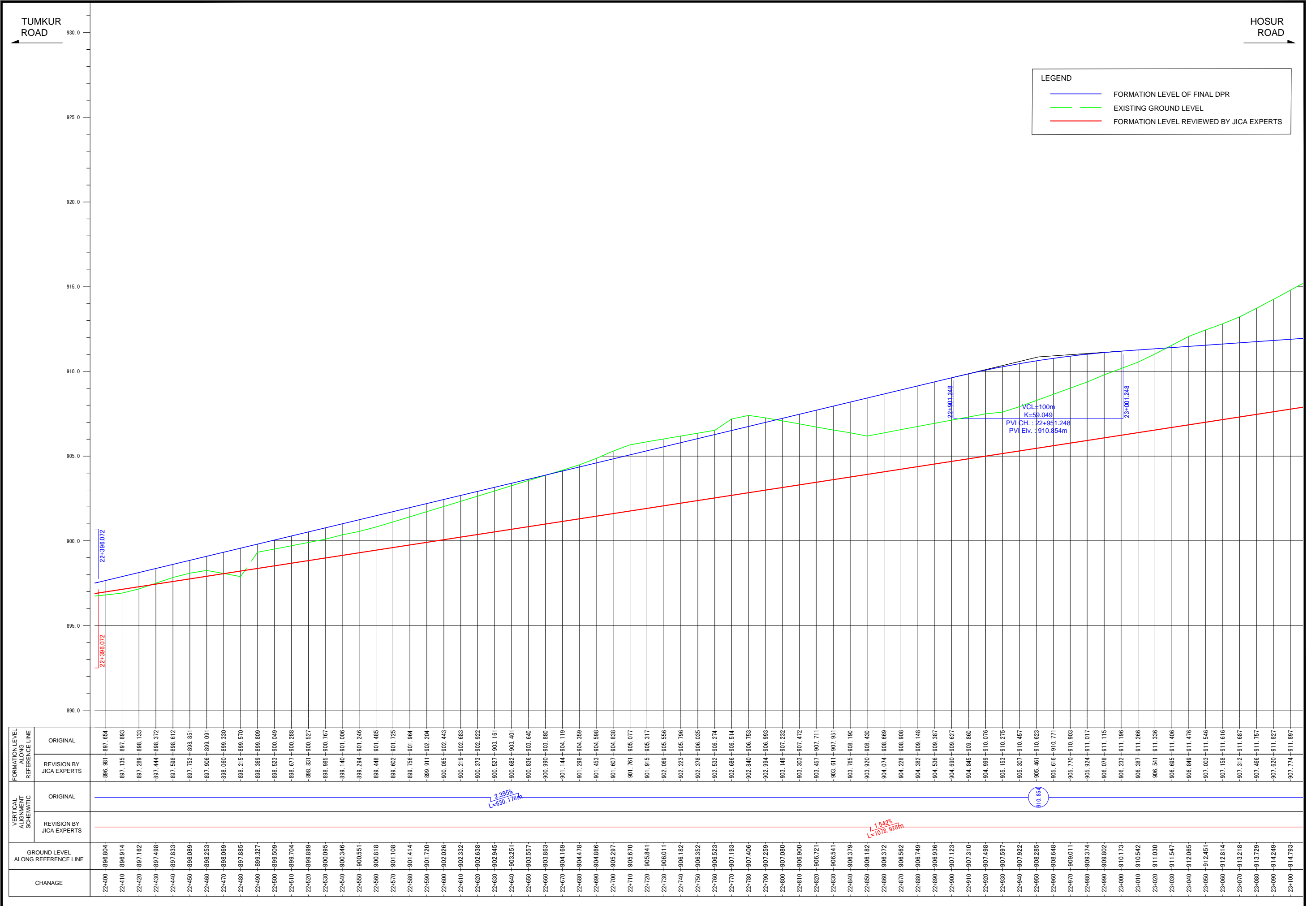
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 20+300 TO CH: 21+000	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-50-J	RD-50	A1	H=1:1000 V=1:100	July 2015





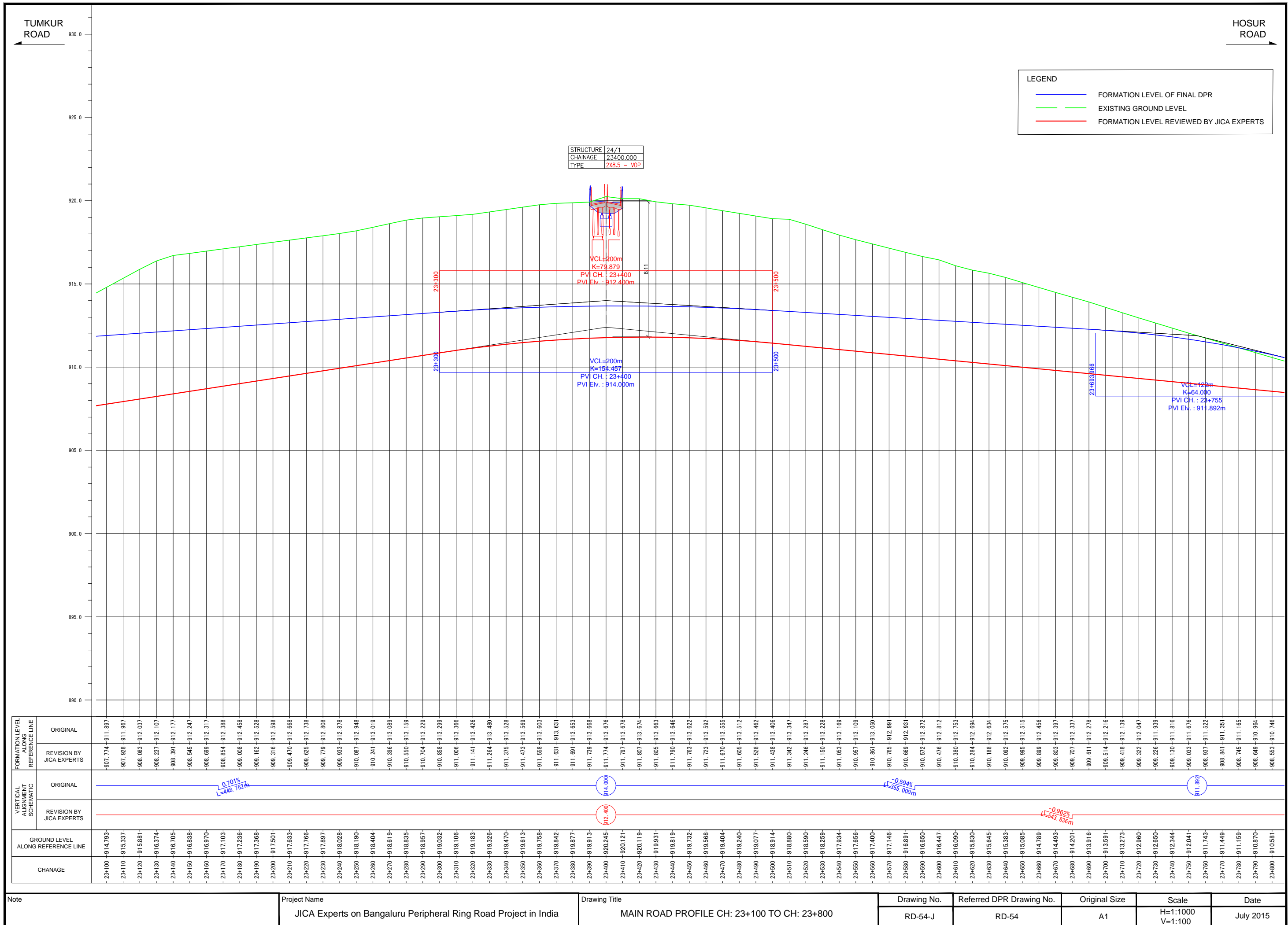
Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-52-J	RD-52	A1	H=1:1000 V=1:100	July 2015





FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REVIEWED BY JICA EXPERTS	
	ORIGINAL	REVISION BY JICA EXPERTS
22+400	896.81	897.654
22+410	896.914	897.893
22+420	897.162	898.133
22+430	897.498	898.372
22+440	897.833	898.612
22+450	898.089	898.851
22+460	898.253	899.091
22+470	898.069	899.330
22+480	897.885	899.570
22+490	899.327	899.809
22+500	899.509	900.049
22+510	899.704	900.288
22+520	899.899	900.527
22+530	900.095	900.767
22+540	900.346	901.006
22+550	900.551	901.246
22+560	900.818	901.485
22+570	901.108	901.725
22+580	901.414	901.964
22+590	901.720	902.204
22+600	902.026	902.443
22+610	902.332	902.683
22+620	902.638	902.922
22+630	902.945	903.161
22+640	903.251	903.401
22+650	903.557	903.640
22+660	903.863	903.880
22+670	904.169	904.119
22+680	904.478	904.359
22+690	904.866	904.598
22+700	905.297	904.838
22+710	905.670	905.077
22+720	905.841	905.317
22+730	906.011	905.556
22+740	906.182	905.796
22+750	906.352	906.035
22+760	906.523	906.274
22+770	907.193	906.514
22+780	907.406	906.753
22+790	907.259	906.993
22+800	907.080	907.232
22+810	906.900	907.472
22+820	906.721	907.711
22+830	906.541	907.951
22+840	906.379	908.190
22+850	906.182	908.430
22+860	906.372	908.669
22+870	906.562	908.908
22+880	906.749	909.148
22+890	906.936	909.387
22+900	907.123	909.627
22+910	907.310	909.866
22+920	907.498	910.106
22+930	907.597	910.345
22+940	907.922	910.585
22+950	908.295	910.824
22+960	908.648	911.064
22+970	909.011	911.304
22+980	909.374	911.544
22+990	909.802	911.784
23+000	910.173	912.024
23+010	910.542	912.264
23+020	911.030	912.504
23+030	911.547	912.744
23+040	912.065	912.984
23+050	912.451	913.224
23+060	912.814	913.464
23+070	913.218	913.704
23+080	913.729	913.944
23+090	914.249	914.184
23+100	914.793	914.424

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD PROFILE CH: 22+400 TO CH: 23+100	RD-53-J	RD-53	A1	H=1:1000 V=1:100	July 2015

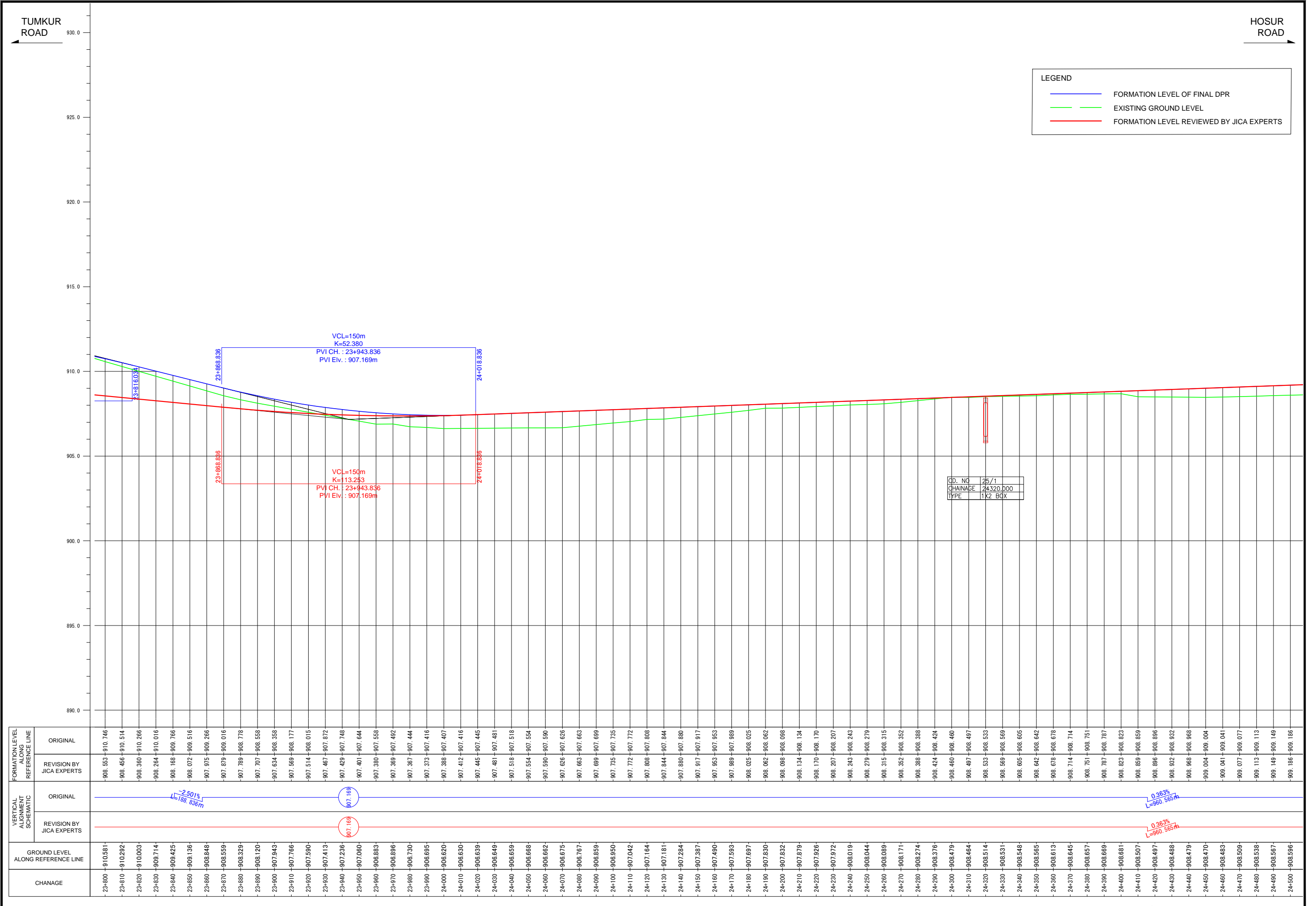


Note

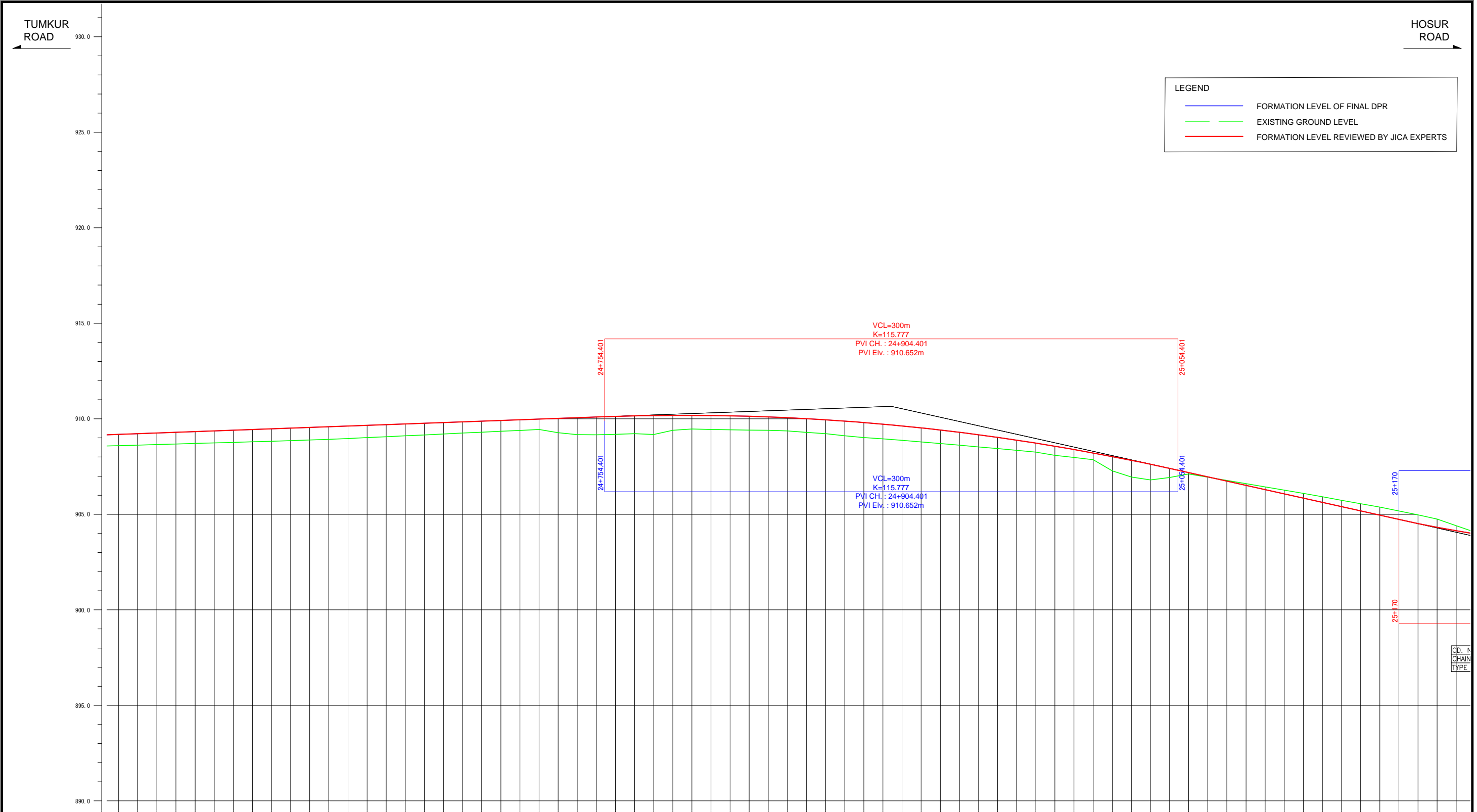
Project Name  
JICA Experts on Bangaluru Peripheral Ring Road Project in India

Drawing Title  
MAIN ROAD PROFILE CH: 23+100 TO CH: 23+800

Drawing No. RD-54-J	Referred DPR Drawing No. RD-54	Original Size A1	Scale H=1:1000 V=1:100	Date July 2015
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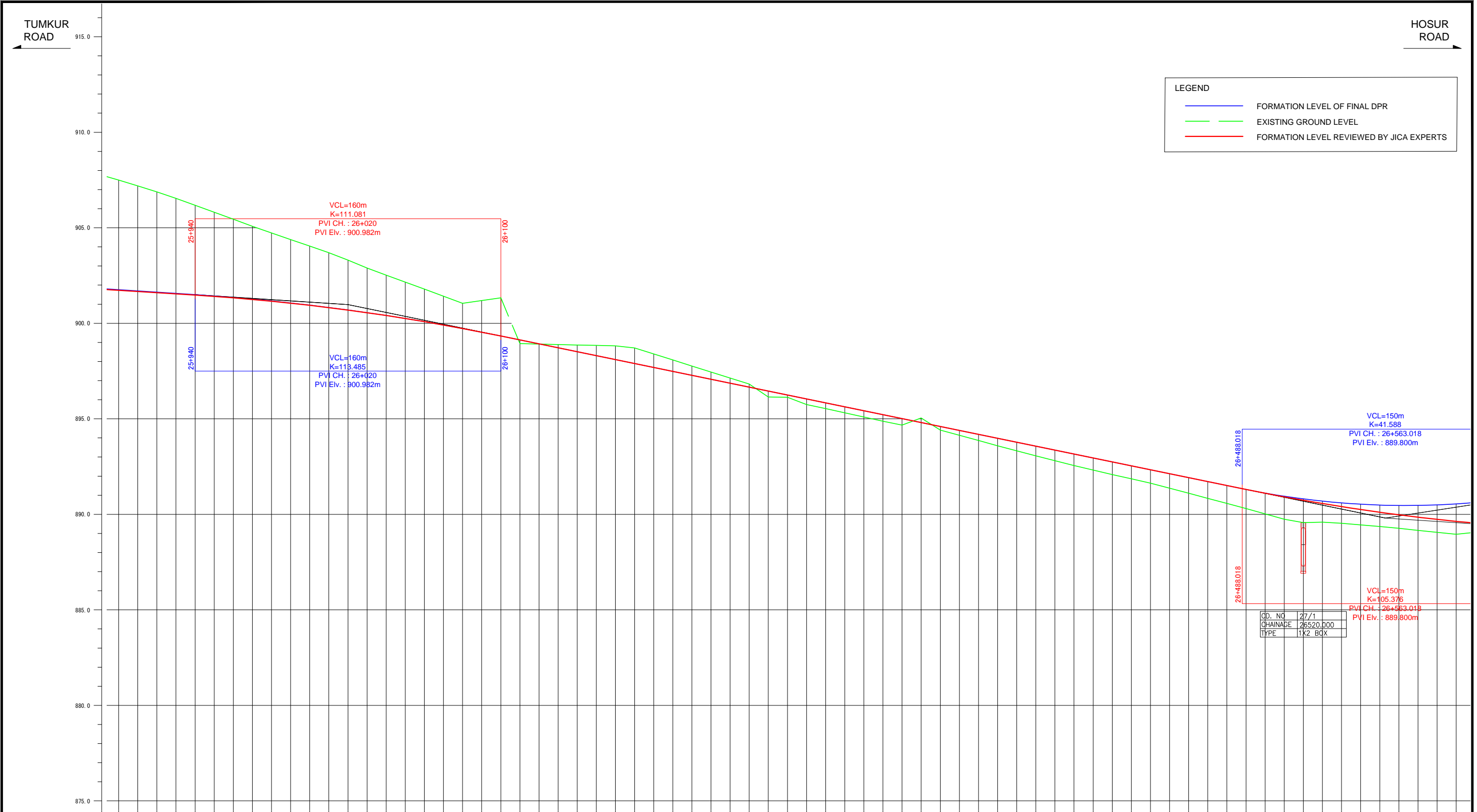
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 23+800 TO CH: 24+500	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-55-J	RD-55	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALIGNMENT SCHEMATIC REFERENCE LINE	ORIGINAL	-909.185 -909.186 -909.222 -909.222 -909.258 -909.258 -909.294 -909.294 -909.331 -909.331 -909.367 -909.367 -909.403 -909.403 -909.439 -909.439 -909.476 -909.476 -909.512 -909.512 -909.548 -909.548 -909.585 -909.585 -909.621 -909.621 -909.657 -909.657 -909.693 -909.693 -909.730 -909.730 -909.766 -909.766 -909.802 -909.802 -909.838 -909.838 -909.875 -909.875 -909.911 -909.911 -909.947 -909.947 -909.983 -909.983 -910.020 -910.020 -910.056 -910.056 -910.092 -910.092 -910.127 -910.127 -910.154 -910.154 -910.173 -910.173 -910.182 -910.182 -910.184 -910.184 -910.176 -910.176 -910.160 -910.160 -910.135 -910.135 -910.102 -910.102 -910.060 -910.060 -910.009 -910.009 -909.950 -909.950 -909.882 -909.882 -909.806 -909.806 -909.721 -909.721 -909.627 -909.627 -909.524 -909.524 -909.413 -909.413 -909.293 -909.293 -909.165 -909.165 -909.028 -909.028 -908.882 -908.882 -908.728 -908.728 -908.565 -908.565 -908.394 -908.394 -908.213 -908.213 -908.025 -908.025 -907.827 -907.827 -907.621 -907.621 -907.406 -907.406 -907.184 -907.184 -906.961 -906.961 -906.739 -906.739 -906.516 -906.516 -906.293 -906.293 -906.070 -906.070 -905.847 -905.847 -905.624 -905.624 -905.401 -905.401 -905.179 -905.179 -904.956 -904.956 -904.733 -904.733 -904.519 -904.519 -904.321 -904.321 -904.141 -904.141
	REVISION BY JICA EXPERTS	
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	
	REVISION BY JICA EXPERTS	
GROUND LEVEL ALONG REFERENCE LINE		
CHANGE		

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 24+500 TO CH: 25+200	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-56-J	RD-56	A1	H=1:1000 V=1:100	July 2015





CD. NO	27/1
CHAINAGE	26520.000
TYPE	1X2 BOX

FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	ORIGINAL	900.882
REVISION BY JICA EXPERTS	900.882	889.800
VERTICAL ALIGNMENT SCHEMATIC		
ORIGINAL		
REVISION BY JICA EXPERTS		
GROUND LEVEL ALONG REFERENCE LINE		
ORIGINAL		
REVISION BY JICA EXPERTS		
CHANGES		
25+900	907.495	907.495
25+910	907.196	907.196
25+920	906.883	906.883
25+930	906.545	906.545
25+940	906.179	906.179
25+950	905.813	905.813
25+960	905.447	905.447
25+970	905.081	905.081
25+980	904.729	904.729
25+990	904.385	904.385
26+000	904.041	904.041
26+010	903.697	903.697
26+020	903.304	903.304
26+030	902.890	902.890
26+040	902.524	902.524
26+050	902.196	902.196
26+060	901.789	901.789
26+070	901.423	901.423
26+080	901.050	901.050
26+090	901.191	901.191
26+100	901.337	901.337
26+110	898.937	898.937
26+120	898.914	898.914
26+130	898.891	898.891
26+140	898.867	898.867
26+150	898.842	898.842
26+160	898.817	898.817
26+170	898.709	898.709
26+180	898.394	898.394
26+190	898.080	898.080
26+200	897.766	897.766
26+210	897.452	897.452
26+220	897.138	897.138
26+230	896.825	896.825
26+240	896.144	896.144
26+250	896.126	896.126
26+260	895.747	895.747
26+270	895.538	895.538
26+280	895.318	895.318
26+290	895.094	895.094
26+300	894.872	894.872
26+310	894.672	894.672
26+320	895.045	895.045
26+330	894.411	894.411
26+340	894.137	894.137
26+350	893.864	893.864
26+360	893.590	893.590
26+370	893.322	893.322
26+380	893.061	893.061
26+390	892.806	892.806
26+400	892.558	892.558
26+410	892.317	892.317
26+420	892.083	892.083
26+430	891.864	891.864
26+440	891.635	891.635
26+450	891.369	891.369
26+460	891.104	891.104
26+470	890.840	890.840
26+480	890.573	890.573
26+490	890.299	890.299
26+500	890.023	890.023
26+510	889.746	889.746
26+520	889.570	889.570
26+530	889.595	889.595
26+540	889.529	889.529
26+550	889.451	889.451
26+560	889.362	889.362
26+570	889.266	889.266
26+580	889.163	889.163
26+590	889.059	889.059
26+600	888.955	888.955

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 25+900 TO CH: 26+600	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-58-J	RD-58	A1	H=1:1000 V=1:100	July 2015

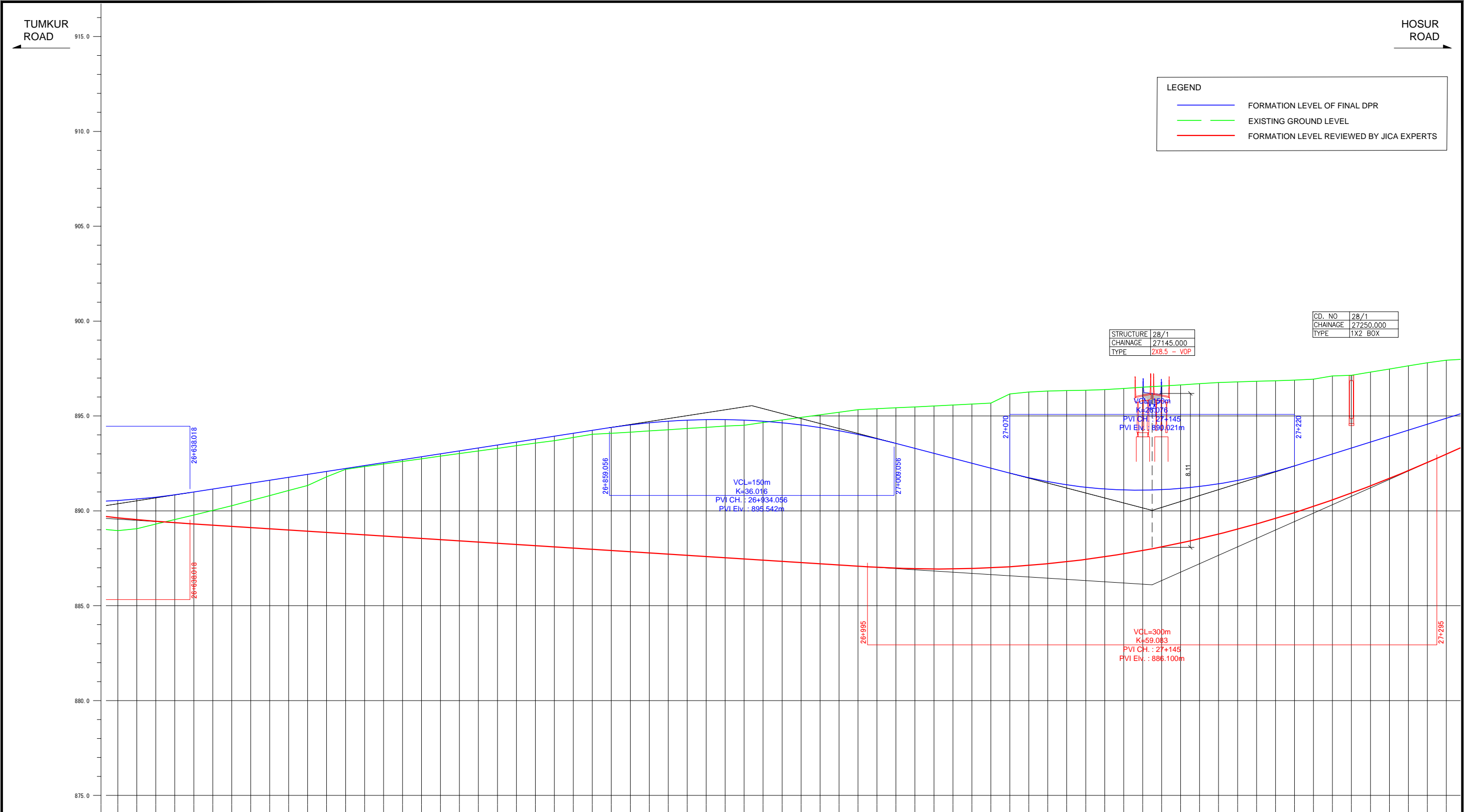
TUMKUR ROAD

HOSUR ROAD

LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

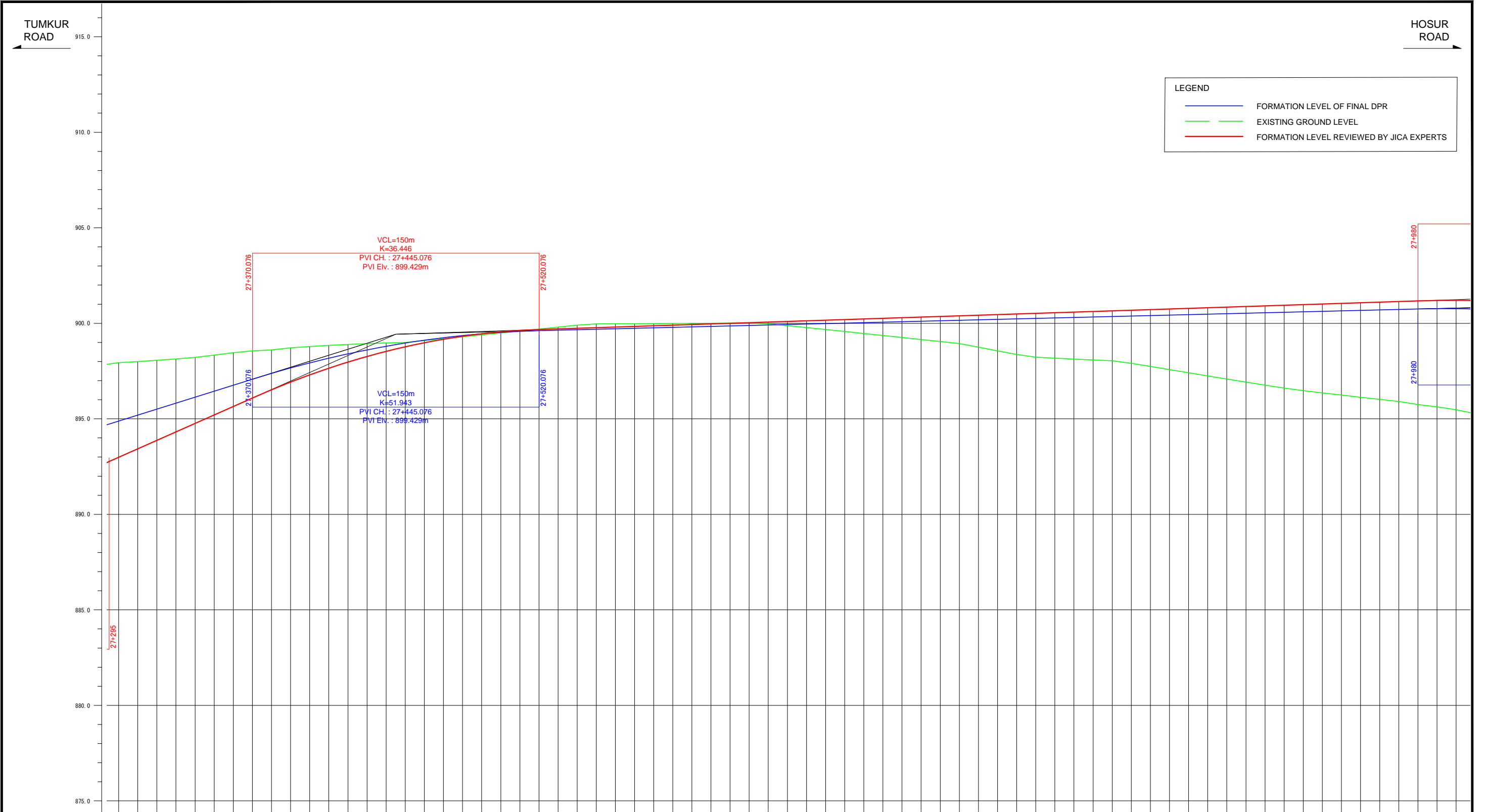
STRUCTURE	28/1
CHAINAGE	27145.000
TYPE	2X8.5 - VOP

CD. NO	28/1
CHAINAGE	27250.000
TYPE	1X2 BOX



FORMATION LEVEL ALIGNMENT SCHEMATIC REFERENCE LINE	FORMATION LEVEL	
	ORIGINAL	REVISION BY JICA EXPERTS
	-889.633 -890.546	-889.633 -890.546
	-889.539 -890.621	-889.539 -890.621
	-889.453 -890.721	-889.453 -890.721
	-889.377 -890.844	-889.377 -890.844
	-889.311 -890.991	-889.311 -890.991
	-889.247 -891.146	-889.247 -891.146
	-889.183 -891.301	-889.183 -891.301
	-889.120 -891.456	-889.120 -891.456
	-889.056 -891.610	-889.056 -891.610
	-888.993 -891.765	-888.993 -891.765
	-888.929 -891.920	-888.929 -891.920
	-888.866 -892.075	-888.866 -892.075
	-888.802 -892.229	-888.802 -892.229
	-888.738 -892.384	-888.738 -892.384
	-888.675 -892.539	-888.675 -892.539
	-888.611 -892.694	-888.611 -892.694
	-888.548 -892.848	-888.548 -892.848
	-888.484 -893.003	-888.484 -893.003
	-888.421 -893.158	-888.421 -893.158
	-888.357 -893.313	-888.357 -893.313
	-888.293 -893.467	-888.293 -893.467
	-888.230 -893.622	-888.230 -893.622
	-888.166 -893.777	-888.166 -893.777
	-888.103 -893.932	-888.103 -893.932
	-888.039 -894.086	-888.039 -894.086
	-887.975 -894.241	-887.975 -894.241
	-887.912 -894.396	-887.912 -894.396
	-887.848 -894.554	-887.848 -894.554
	-887.785 -894.645	-887.785 -894.645
	-887.721 -894.727	-887.721 -894.727
	-887.658 -894.782	-887.658 -894.782
	-887.594 -894.809	-887.594 -894.809
	-887.530 -894.809	-887.530 -894.809
	-887.467 -894.781	-887.467 -894.781
	-887.403 -894.724	-887.403 -894.724
	-887.340 -894.641	-887.340 -894.641
	-887.276 -894.529	-887.276 -894.529
	-887.213 -894.389	-887.213 -894.389
	-887.149 -894.222	-887.149 -894.222
	-887.085 -894.027	-887.085 -894.027
	-887.024 -893.805	-887.024 -893.805
	-886.977 -893.554	-886.977 -893.554
	-886.948 -893.293	-886.948 -893.293
	-886.905 -893.031	-886.905 -893.031
	-886.839 -892.769	-886.839 -892.769
	-886.960 -892.507	-886.960 -892.507
	-886.998 -892.246	-886.998 -892.246
	-887.053 -891.984	-887.053 -891.984
	-887.125 -891.741	-887.125 -891.741
	-887.213 -891.537	-887.213 -891.537
	-887.319 -891.371	-887.319 -891.371
	-887.442 -891.244	-887.442 -891.244
	-887.581 -891.155	-887.581 -891.155
	-887.738 -891.104	-887.738 -891.104
	-887.911 -891.091	-887.911 -891.091
	-888.101 -891.117	-888.101 -891.117
	-888.309 -891.182	-888.309 -891.182
	-888.533 -891.284	-888.533 -891.284
	-888.774 -891.425	-888.774 -891.425
	-889.032 -891.604	-889.032 -891.604
	-889.307 -891.822	-889.307 -891.822
	-889.599 -892.078	-889.599 -892.078
	-889.907 -892.372	-889.907 -892.372
	-890.233 -892.686	-890.233 -892.686
	-890.576 -892.999	-890.576 -892.999
	-890.935 -893.313	-890.935 -893.313
	-891.312 -893.626	-891.312 -893.626
	-891.705 -893.940	-891.705 -893.940
	-892.116 -894.254	-892.116 -894.254
	-892.543 -894.567	-892.543 -894.567
	-892.985 -894.881	-892.985 -894.881

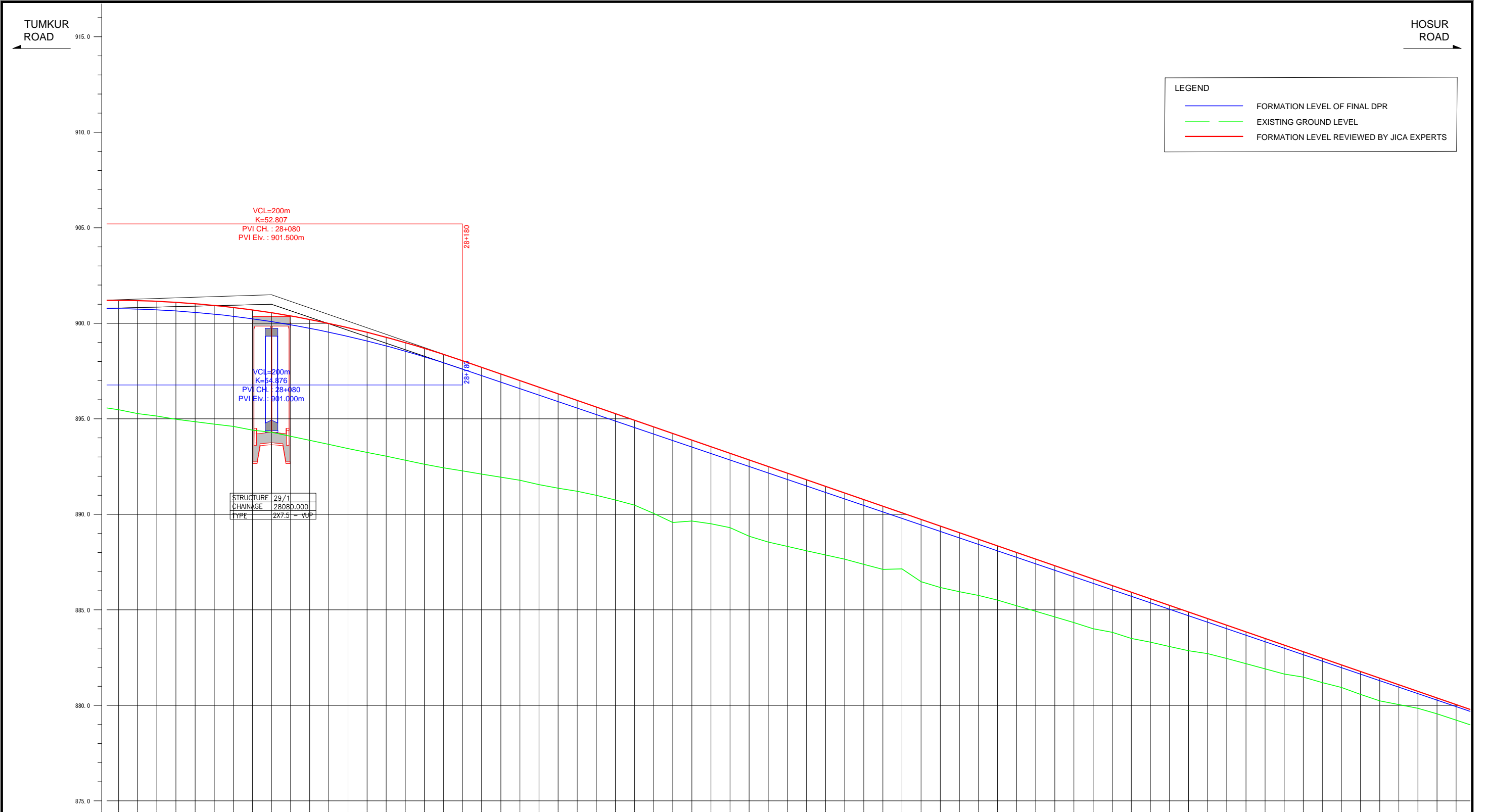
Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-59-J	RD-59	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	-892.865 -894.881	-892.865 -894.881
	REVISION BY JICA EXPERTS	-893.429 -895.194	-893.429 -895.194
		-893.873 -895.508	-893.873 -895.508
		-894.317 -895.821	-894.317 -895.821
		-894.762 -896.135	-894.762 -896.135
		-895.206 -896.448	-895.206 -896.448
		-895.650 -896.762	-895.650 -896.762
		-896.094 -897.075	-896.094 -897.075
		-896.525 -897.379	-896.525 -897.379
		-896.928 -897.684	-896.928 -897.684
		-897.304 -897.990	-897.304 -897.990
		-897.652 -898.176	-897.652 -898.176
		-897.973 -898.403	-897.973 -898.403
		-898.267 -898.611	-898.267 -898.611
		-898.533 -898.799	-898.533 -898.799
		-898.771 -898.968	-898.771 -898.968
		-898.983 -899.119	-898.983 -899.119
		-899.166 -899.249	-899.166 -899.249
		-899.323 -899.361	-899.323 -899.361
		-899.451 -899.453	-899.451 -899.453
		-899.553 -899.526	-899.553 -899.526
		-899.627 -899.580	-899.627 -899.580
		-899.673 -899.614	-899.673 -899.614
		-899.706 -899.639	-899.706 -899.639
		-899.739 -899.664	-899.739 -899.664
		-899.771 -899.689	-899.771 -899.689
		-899.804 -899.713	-899.804 -899.713
		-899.836 -899.738	-899.836 -899.738
		-899.869 -899.763	-899.869 -899.763
		-899.902 -899.788	-899.902 -899.788
		-899.934 -899.812	-899.934 -899.812
		-899.967 -899.837	-899.967 -899.837
		-900.000 -899.862	-900.000 -899.862
		-900.032 -899.887	-900.032 -899.887
		-900.065 -899.911	-900.065 -899.911
		-900.097 -899.936	-900.097 -899.936
		-900.130 -899.961	-900.130 -899.961
		-900.163 -899.986	-900.163 -899.986
		-900.195 -900.010	-900.195 -900.010
		-900.228 -900.035	-900.228 -900.035
		-900.261 -900.060	-900.261 -900.060
		-900.293 -900.085	-900.293 -900.085
		-900.326 -900.109	-900.326 -900.109
		-900.358 -900.134	-900.358 -900.134
		-900.391 -900.159	-900.391 -900.159
		-900.424 -900.183	-900.424 -900.183
		-900.456 -900.208	-900.456 -900.208
		-900.489 -900.233	-900.489 -900.233
		-900.521 -900.258	-900.521 -900.258
		-900.554 -900.282	-900.554 -900.282
		-900.587 -900.307	-900.587 -900.307
		-900.619 -900.332	-900.619 -900.332
		-900.652 -900.357	-900.652 -900.357
		-900.685 -900.381	-900.685 -900.381
		-900.717 -900.406	-900.717 -900.406
		-900.750 -900.431	-900.750 -900.431
		-900.782 -900.456	-900.782 -900.456
		-900.815 -900.480	-900.815 -900.480
		-900.848 -900.505	-900.848 -900.505
		-900.880 -900.530	-900.880 -900.530
		-900.913 -900.555	-900.913 -900.555
		-900.945 -900.579	-900.945 -900.579
		-900.978 -900.604	-900.978 -900.604
		-901.011 -900.629	-901.011 -900.629
		-901.043 -900.654	-901.043 -900.654
		-901.076 -900.678	-901.076 -900.678
		-901.109 -900.703	-901.109 -900.703
		-901.141 -900.728	-901.141 -900.728
		-901.174 -900.753	-901.174 -900.753
		-901.197 -900.768	-901.197 -900.768
		-901.201 -900.766	-901.201 -900.766

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-60-J	RD-60	A1	H=1:1000 V=1:100	July 2015

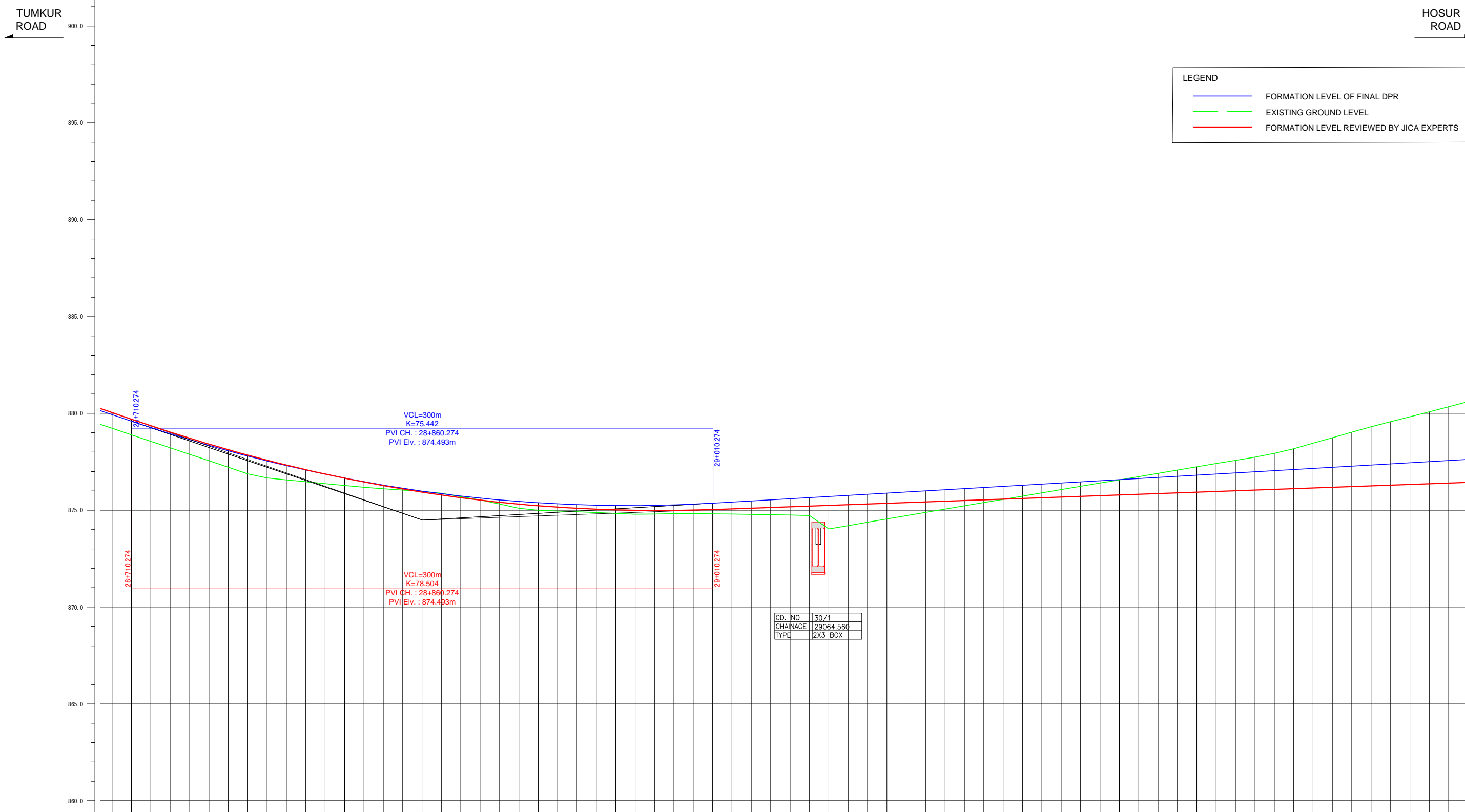




LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	-901.201 -900.766 -901.168 -900.745 -901.153 -900.706 -901.100 -900.648 -901.029 -900.573 -900.938 -900.479 -900.829 -900.367 -900.700 -900.237 -900.553 -900.089 -900.387 -899.922 -900.202 -899.737 -899.998 -899.534 -899.775 -899.313 -899.533 -899.074 -899.272 -898.816 -898.992 -898.540 -898.693 -898.246 -898.375 -897.933 -898.039 -897.603 -897.693 -897.263 -897.347 -896.923 -897.000 -896.584 -896.654 -896.244 -896.308 -895.904 -895.962 -895.565 -895.616 -895.225 -895.270 -894.885 -894.924 -894.545 -894.578 -894.206 -894.231 -893.866 -893.885 -893.526 -893.539 -893.187 -893.193 -892.847 -892.847 -892.507 -892.501 -892.167 -892.155 -891.828 -891.809 -891.488 -891.462 -891.148 -891.116 -890.809 -890.770 -890.469 -890.424 -890.129 -890.078 -899.789 -889.732 -889.450 -889.386 -889.110 -889.040 -888.770 -888.693 -888.431 -888.347 -888.091 -888.001 -887.751 -887.655 -887.411 -887.309 -887.072 -886.963 -886.732 -886.617 -886.392 -886.271 -886.053 -885.925 -885.713 -885.578 -885.373 -885.232 -885.033 -884.886 -884.694 -884.540 -884.354 -884.194 -884.014 -883.848 -883.675 -883.502 -883.335 -883.156 -882.995 -882.809 -882.655 -882.463 -882.316 -882.117 -881.976 -881.771 -881.636 -881.425 -881.297 -881.079 -880.957 -880.733 -880.617 -880.387 -880.277 -880.040 -879.938
	REVISION BY JICA EXPERTS	-901.500
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	901.000
REVISION BY JICA EXPERTS	901.500	-3.397% L=780.274m
		-3.461% L=780.274m
GROUND LEVEL ALONG REFERENCE LINE		-895.478 -895.269 -895.143 -894.973 -894.848 -894.724 -894.600 -894.407 -894.298 -894.091 -893.876 -893.662 -893.447 -893.242 -893.042 -892.827 -892.626 -892.438 -892.274 -892.110 -891.947 -891.787 -891.553 -891.370 -891.207 -890.995 -890.752 -890.482 -890.050 -889.572 -889.648 -889.509 -889.301 -889.057 -888.552 -888.318 -888.090 -887.871 -887.654 -887.385 -887.123 -887.146 -886.476 -886.109 -885.954 -885.756 -885.511 -885.216 -884.923 -884.629 -884.333 -884.013 -883.829 -883.506 -883.307 -883.082 -882.864 -882.710 -882.456 -882.182 -881.913 -881.639 -881.478 -881.194 -880.940 -880.576 -880.234 -880.040 -879.846 -879.555 -879.228
CHANAGE		28+000 28+010 28+020 28+030 28+040 28+050 28+060 28+070 28+080 28+090 28+100 28+110 28+120 28+130 28+140 28+150 28+160 28+170 28+180 28+190 28+200 28+210 28+220 28+230 28+240 28+250 28+260 28+270 28+280 28+290 28+300 28+310 28+320 28+330 28+340 28+350 28+360 28+370 28+380 28+390 28+400 28+410 28+420 28+430 28+440 28+450 28+460 28+470 28+480 28+490 28+500 28+510 28+520 28+530 28+540 28+550 28+560 28+570 28+580 28+590 28+600 28+610 28+620 28+630 28+640 28+650 28+660 28+670 28+680 28+690 28+700

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 28+000 TO CH: 28+700	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-61-J	RD-61	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

CD. NO	30 /
CHAINAGE	29064.560
TYPE	2X3 BOX

FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	ORIGINAL
		REVISION BY JICA EXPERTS

FORMATION LEVEL ALIGNMENT SCHEMATIC	ORIGINAL	REVISION BY JICA EXPERTS
		<span style="color: red;">—</span>

FORMATION LEVEL ALIGNMENT SCHEMATIC	ORIGINAL	REVISION BY JICA EXPERTS
		<span style="color: red;">—</span>

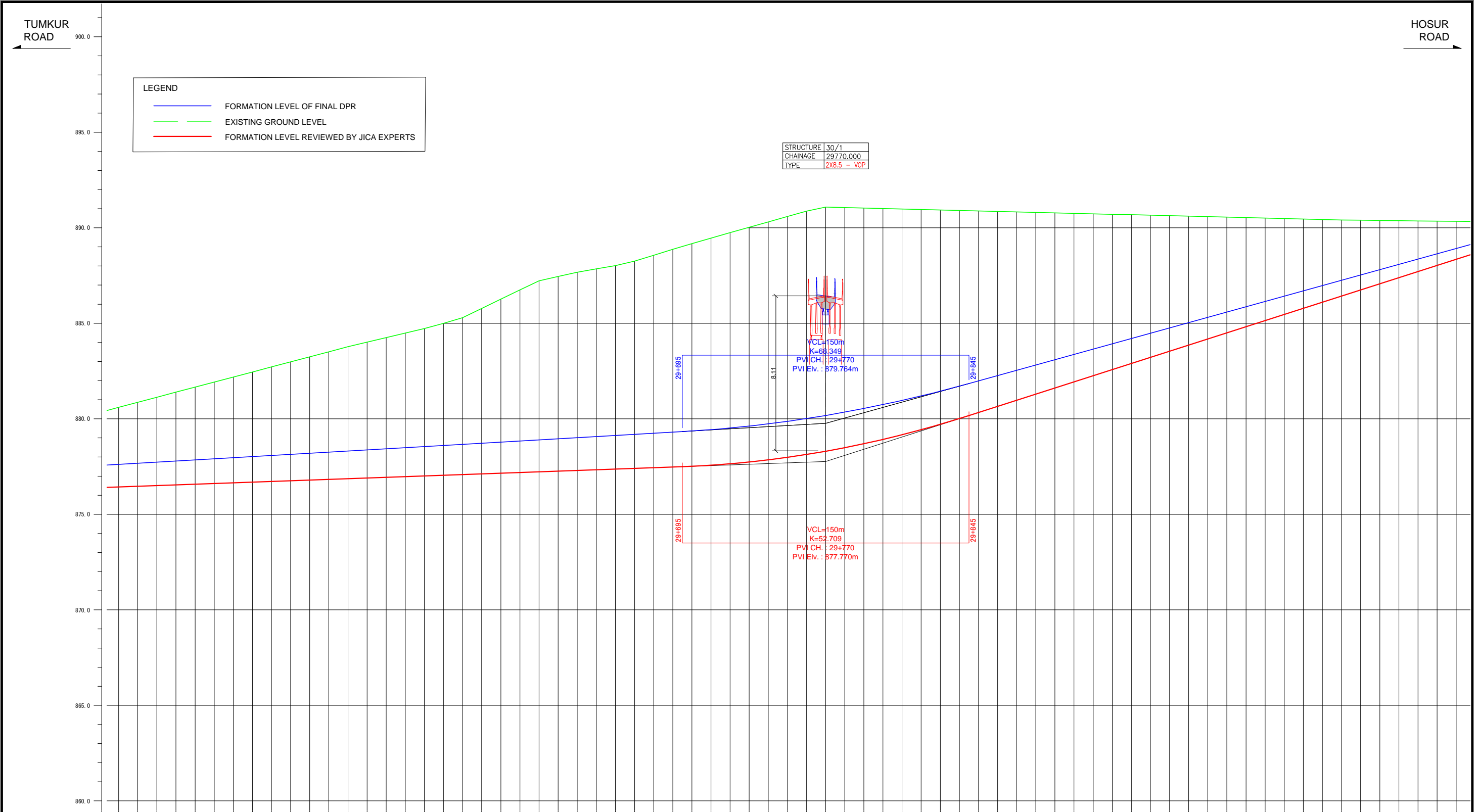
  

GROUND LEVEL ALONG REFERENCE LINE
880.040 - 879.938
879.694 - 879.598
879.354 - 879.265
879.027 - 878.944
878.712 - 878.637
878.410 - 878.344
878.121 - 878.063
877.845 - 877.796
877.581 - 877.542
877.330 - 877.302
877.092 - 877.074
876.867 - 876.860
876.654 - 876.659
876.454 - 876.471
876.267 - 876.297
876.092 - 876.136
875.930 - 875.988
875.781 - 875.853
875.645 - 875.732
875.521 - 875.624
875.411 - 875.529
875.313 - 875.448
875.227 - 875.379
875.155 - 875.324
875.095 - 875.282
875.048 - 875.254
875.013 - 875.238
874.992 - 875.236
874.983 - 875.247
874.966 - 875.272
875.003 - 875.310
875.032 - 875.361
875.068 - 875.418
875.104 - 875.476
875.140 - 875.534
875.176 - 875.592
875.212 - 875.650
875.248 - 875.708
875.284 - 875.766
875.321 - 875.824
875.357 - 875.882
875.393 - 875.940
875.429 - 875.998
875.465 - 876.056
875.501 - 876.114
875.537 - 876.172
875.573 - 876.230
875.609 - 876.288
875.645 - 876.346
875.681 - 876.403
875.717 - 876.461
875.753 - 876.519
875.789 - 876.577
875.825 - 876.635
875.861 - 876.693
875.897 - 876.751
875.933 - 876.809
875.969 - 876.867
876.005 - 876.925
876.041 - 876.983
876.077 - 877.041
876.113 - 877.099
876.149 - 877.157
876.185 - 877.215
876.221 - 877.273
876.257 - 877.330
876.293 - 877.388
876.329 - 877.446
876.365 - 877.504
876.401 - 877.562
876.437 - 877.620

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-62-J	RD-62	A1	H=1:1000 V=1:100	July 2015

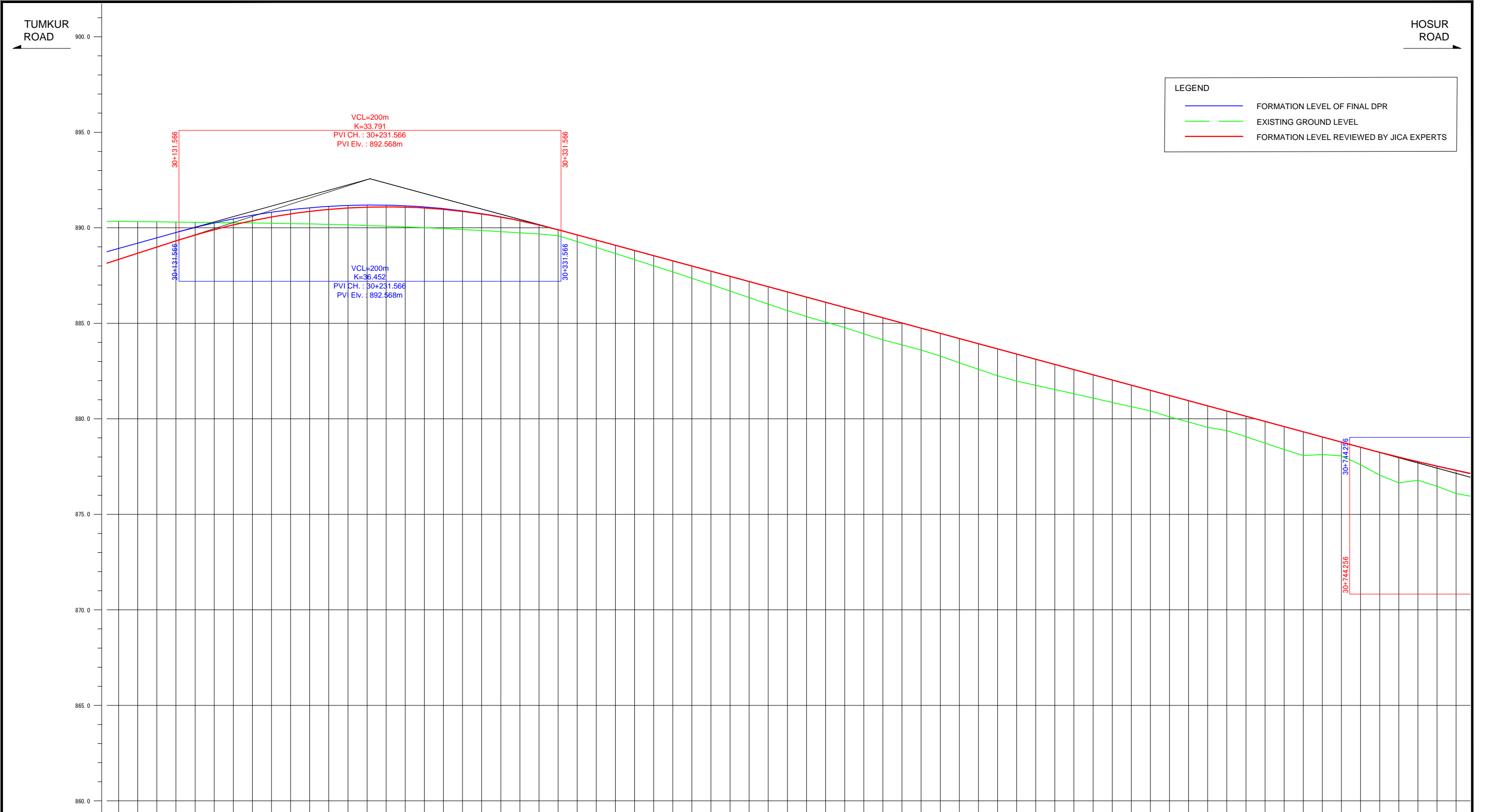
JICA Experts on Bangaluru Peripheral Ring Road Project in India

MAIN ROAD PROFILE CH: 28+700 TO CH: 29+400



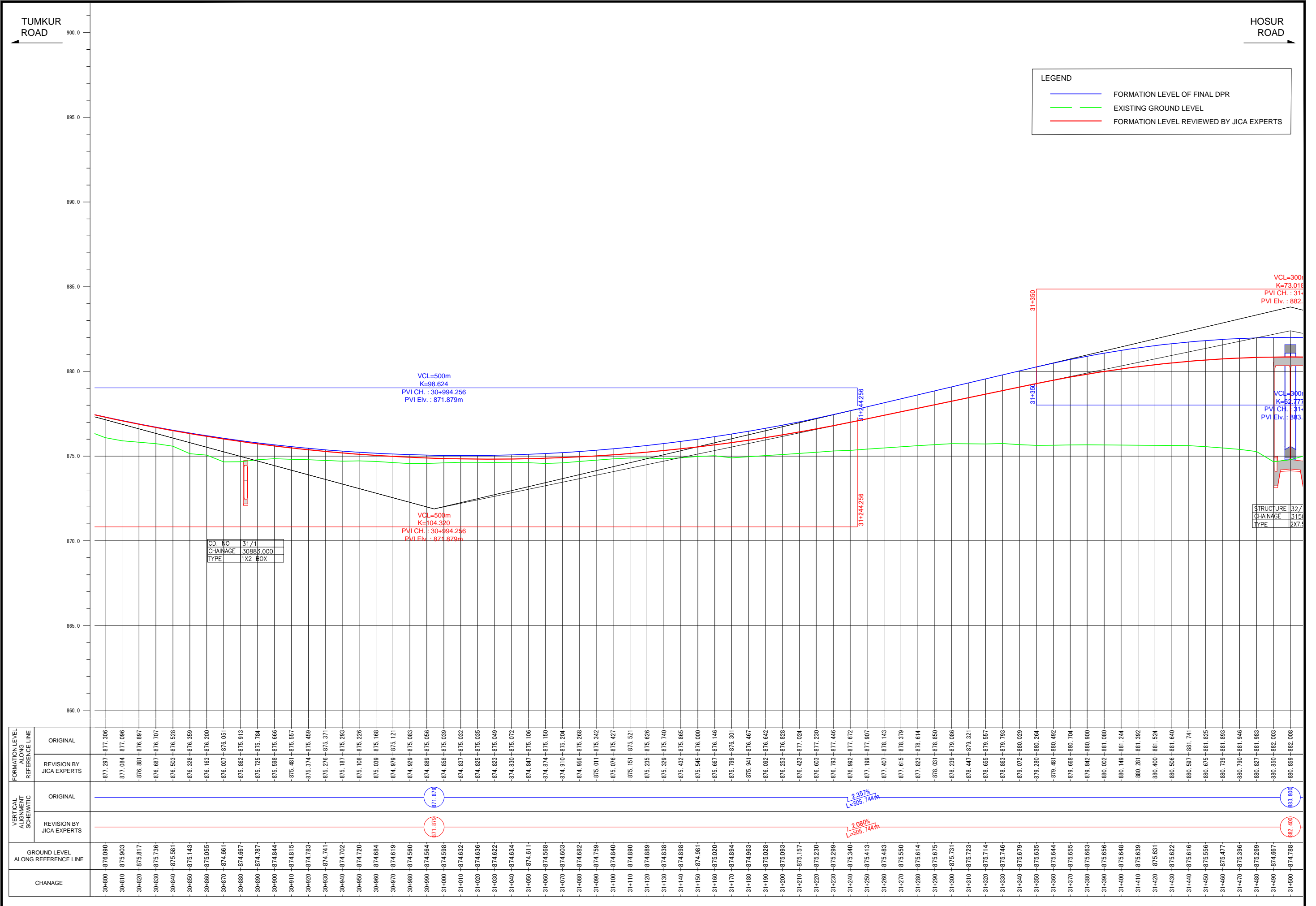
FORMATION LEVEL ALIGNMENT SCHEMATIC	ORIGINAL
	879.764
FORMATION LEVEL ALIGNMENT SCHEMATIC	REVISION BY JICA EXPERTS
	877.770
GROUND LEVEL ALONG REFERENCE LINE	879.764
CHANGES	ORIGINAL
	879.764
CHANGES	REVISION BY JICA EXPERTS
	877.770

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 29+400 TO CH: 30+100	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-63-J	RD-63	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALIGNMENT SCHEMATIC REFERENCE LINE	ORIGINAL	-888.550 -888.918 -888.671 -888.196 -888.991 -889.473 -889.312 -889.751 -889.622 -890.018 -889.903 -890.259 -890.154 -890.472 -890.376 -890.658 -890.568 -890.816 -890.730 -890.947 -890.863 -891.050 -890.966 -891.126 -891.040 -891.174 -891.084 -891.196 -891.099 -891.189 -891.084 -891.155 -891.039 -891.094 -890.965 -891.006 -890.861 -890.889 -890.721 -890.746 -890.564 -890.575 -890.372 -890.377 -890.149 -890.151 -889.897 -889.898 -889.627 -889.627 -889.355 -889.355 -889.084 -889.084 -888.813 -888.813 -888.542 -888.542 -888.270 -888.270 -887.999 -887.999 -887.728 -887.728 -887.456 -887.456 -887.185 -887.185 -886.914 -886.914 -886.643 -886.643 -886.371 -886.371 -886.100 -886.100 -885.829 -885.829 -885.558 -885.558 -885.286 -885.286 -885.015 -885.015 -884.744 -884.744 -884.473 -884.473 -884.201 -884.201 -883.930 -883.930 -883.659 -883.659 -883.388 -883.388 -883.116 -883.116 -882.845 -882.845 -882.574 -882.574 -882.302 -882.302 -882.031 -882.031 -881.760 -881.760 -881.489 -881.489 -881.217 -881.217 -880.946 -880.946 -880.675 -880.675 -880.404 -880.404 -880.132 -880.132 -879.861 -879.861 -879.590 -879.590 -879.319 -879.319 -879.047 -879.047 -878.776 -878.776 -878.506 -878.506 -878.235 -878.235 -877.964 -877.964 -877.693 -877.693 -877.422 -877.422 -877.151 -877.151 -876.880 -876.880
	REVISION BY JICA EXPERTS	-888.550 -888.918 -888.671 -888.196 -888.991 -889.473 -889.312 -889.751 -889.622 -890.018 -889.903 -890.259 -890.154 -890.472 -890.376 -890.658 -890.568 -890.816 -890.730 -890.947 -890.863 -891.050 -890.966 -891.126 -891.040 -891.174 -891.084 -891.196 -891.099 -891.189 -891.084 -891.155 -891.039 -891.094 -890.965 -891.006 -890.861 -890.889 -890.721 -890.746 -890.564 -890.575 -890.372 -890.377 -890.149 -890.151 -889.897 -889.898 -889.627 -889.627 -889.355 -889.355 -889.084 -889.084 -888.813 -888.813 -888.542 -888.542 -888.270 -888.270 -887.999 -887.999 -887.728 -887.728 -887.456 -887.456 -887.185 -887.185 -886.914 -886.914 -886.643 -886.643 -886.371 -886.371 -886.100 -886.100 -885.829 -885.829 -885.558 -885.558 -885.286 -885.286 -885.015 -885.015 -884.744 -884.744 -884.473 -884.473 -884.201 -884.201 -883.930 -883.930 -883.659 -883.659 -883.388 -883.388 -883.116 -883.116 -882.845 -882.845 -882.574 -882.574 -882.302 -882.302 -882.031 -882.031 -881.760 -881.760 -881.489 -881.489 -881.217 -881.217 -880.946 -880.946 -880.675 -880.675 -880.404 -880.404 -880.132 -880.132 -879.861 -879.861 -879.590 -879.590 -879.319 -879.319 -879.047 -879.047 -878.776 -878.776 -878.506 -878.506 -878.235 -878.235 -877.964 -877.964 -877.693 -877.693 -877.422 -877.422 -877.151 -877.151 -876.880 -876.880
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	892.568
REVISION BY JICA EXPERTS	892.568	
GROUND LEVEL ALONG REFERENCE LINE	-890.336 -890.324 -890.312 -890.300 -890.287 -890.275 -890.263 -890.251 -890.237 -890.222 -890.203 -890.180 -890.154 -890.123 -890.089 -890.051 -890.008 -889.962 -889.912 -889.858 -889.800 -889.737 -889.679 -889.595 -889.478 -889.357 -889.239 -889.116 -888.991 -888.862 -888.730 -888.594 -888.454 -888.311 -888.165 -888.016 -887.866 -887.712 -887.554 -887.392 -887.226 -887.056 -886.882 -886.704 -886.522 -886.336 -886.146 -885.952 -885.754 -885.552 -885.346 -885.136 -884.922 -884.704 -884.482 -884.256 -884.026 -883.792 -883.554 -883.312 -883.066 -882.816 -882.562 -882.304 -882.042 -881.776 -881.506 -881.232 -880.956 -880.676 -880.392 -880.106 -879.816 -879.522 -879.226 -878.926 -878.622 -878.316 -878.006 -877.692 -877.376 -877.056 -876.732 -876.406 -876.080	
CHANAGE	-30+100 -30+110 -30+120 -30+130 -30+140 -30+150 -30+160 -30+170 -30+180 -30+190 -30+200 -30+210 -30+220 -30+230 -30+240 -30+250 -30+260 -30+270 -30+280 -30+290 -30+300 -30+310 -30+320 -30+330 -30+340 -30+350 -30+360 -30+370 -30+380 -30+390 -30+400 -30+410 -30+420 -30+430 -30+440 -30+450 -30+460 -30+470 -30+480 -30+490 -30+500 -30+510 -30+520 -30+530 -30+540 -30+550 -30+560 -30+570 -30+580 -30+590 -30+600 -30+610 -30+620 -30+630 -30+640 -30+650 -30+660 -30+670 -30+680 -30+690 -30+700 -30+710 -30+720 -30+730 -30+740 -30+750 -30+760 -30+770 -30+780 -30+790 -30+800	

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 30+100 TO CH: 30+800	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-64-J	RD-64	A1	H=1:1000 V=1:100	July 2015



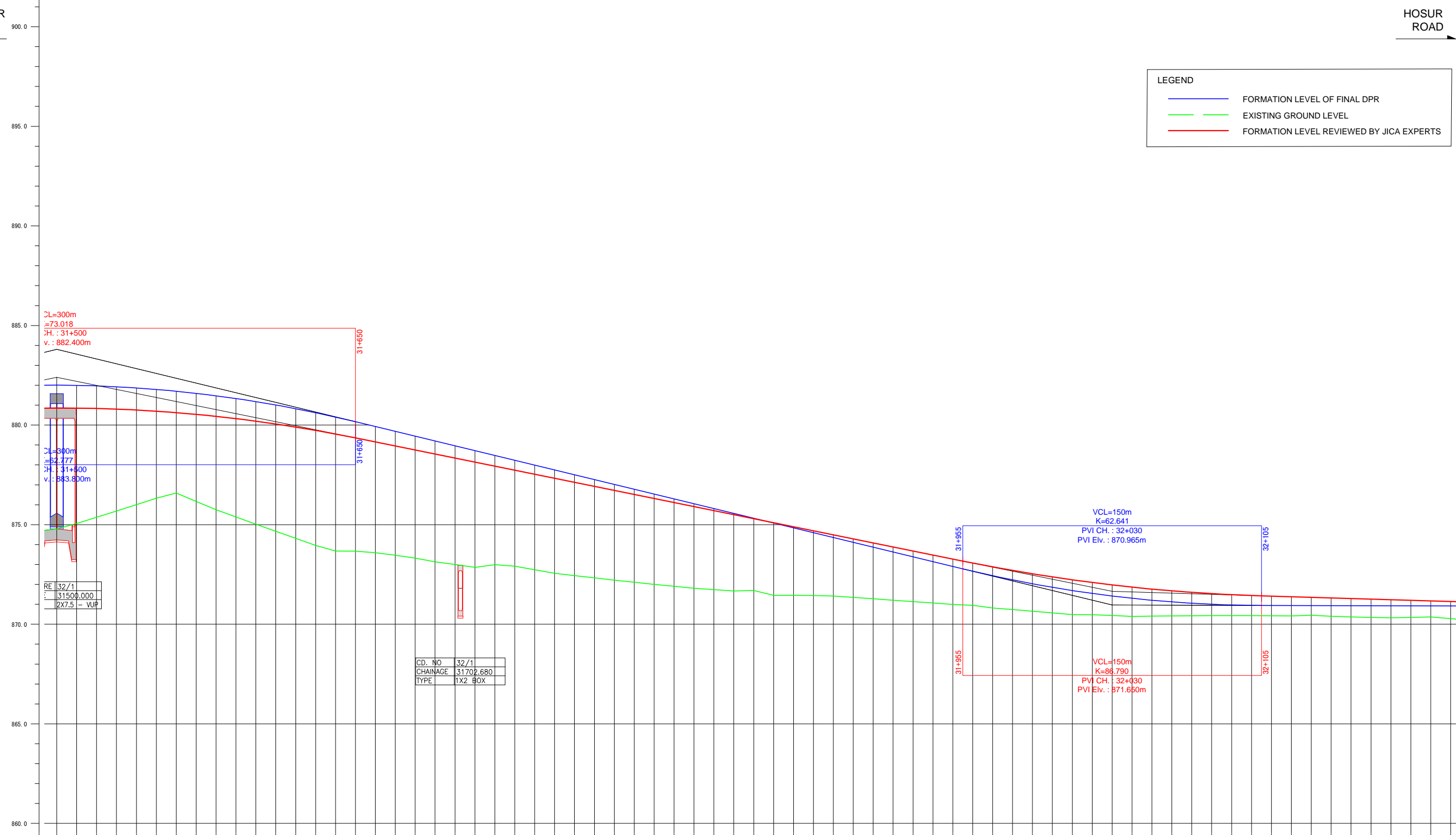
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 30+800 TO CH: 31+500	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-65-J	RD-65	A1	H=1:1000 V=1:100	July 2015

TUMKUR ROAD

HOSUR ROAD

**LEGEND**

- FORMATION LEVEL OF FINAL DPR
- EXISTING GROUND LEVEL
- FORMATION LEVEL REVIEWED BY JICA EXPERTS



RE	32/1
CH.	31500.000
TYPE	2X7.5 - VUP

CD. NO	32/1
CHAINAGE	31702.680
TYPE	1X2 BOX

FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	ORIGINAL	880.850-882.008
REVISION BY JICA EXPERTS	880.850-881.997	880.837-881.970
		880.805-881.927
		880.760-881.868
		880.701-881.793
		880.628-881.702
		880.542-881.595
		880.442-881.472
		880.328-881.334
		880.201-881.179
		880.059-881.009
		879.904-880.822
		879.726-880.620
		879.554-880.402
		879.368-880.167
		879.155-879.925
		878.952-879.683
		878.749-879.441
		878.546-879.199
		878.343-878.957
		878.141-878.714
		877.938-878.472
		877.735-878.230
		877.532-877.988
		877.329-877.746
		877.126-877.504
		876.924-877.261
		876.721-877.019
		876.518-876.777
		876.315-876.535
		876.112-876.293
		875.909-876.051
		875.707-875.808
		875.504-875.566
		875.301-875.324
		875.098-875.082
		874.895-874.840
		874.692-874.598
		874.490-874.355
		874.287-874.113
		874.084-873.871
		873.881-873.629
		873.678-873.387
		873.475-873.145
		873.273-872.902
		873.071-872.662
		872.868-872.436
		872.700-872.226
		872.532-872.031
		872.375-871.853
		872.230-871.691
		872.086-871.544
		871.974-871.414
		871.863-871.300
		871.764-871.201
		871.677-871.119
		871.601-871.052
		871.536-871.001
		871.483-870.967
		871.441-870.948
		871.410-870.943
		871.380-870.941
		871.350-870.938
		871.320-870.935
		871.290-870.932
		871.260-870.930
		871.230-870.927
		871.200-870.924
		871.170-870.922
		871.140-870.919

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-66-J	RD-66	A1	H=1:1000 V=1:100	July 2015

TUMKUR ROAD

HOSUR ROAD

LEGEND

- FORMATION LEVEL OF FINAL DPR
- EXISTING GROUND LEVEL
- FORMATION LEVEL REVIEWED BY JICA EXPERTS



FORMATION LEVEL ALIGNMENT SCHEMATIC	ORIGINAL	860.0 - 900.0																																																																																																																																													
	REVISION BY JICA EXPERTS	860.0 - 900.0																																																																																																																																													
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	860.0 - 900.0																																																																																																																																													
	REVISION BY JICA EXPERTS	860.0 - 900.0																																																																																																																																													
GROUND LEVEL ALONG REFERENCE LINE		-871.140	-870.919	-871.110	-870.916	-871.080	-870.914	-871.050	-870.911	-871.020	-870.908	-870.990	-870.905	-870.960	-870.903	-870.930	-870.900	-870.900	-870.897	-870.870	-870.895	-870.840	-870.882	-870.810	-870.889	-870.780	-870.886	-870.750	-870.884	-870.720	-870.881	-870.690	-870.878	-870.660	-870.876	-870.630	-870.873	-870.600	-870.870	-870.570	-870.867	-870.540	-870.865	-870.510	-870.862	-870.480	-870.859	-870.450	-870.857	-870.420	-870.854	-870.390	-870.851	-870.360	-870.849	-870.330	-870.846	-870.300	-870.843	-870.270	-870.840	-870.240	-870.838	-870.210	-870.835	-870.180	-870.832	-870.150	-870.830	-870.120	-870.827	-870.090	-870.824	-870.060	-870.821	-870.030	-870.819	-870.000	-870.816	-869.970	-870.813	-869.930	-870.811	-869.890	-870.808	-869.850	-870.805	-869.810	-870.802	-869.770	-870.800	-869.730	-870.797	-869.690	-870.794	-869.650	-870.792	-869.610	-870.789	-869.570	-870.786	-869.530	-870.783	-869.490	-870.781	-869.450	-870.778	-869.410	-870.775	-869.370	-870.773	-869.330	-870.770	-869.290	-870.767	-869.250	-870.765	-869.210	-870.762	-869.170	-870.759	-869.130	-870.756	-869.090	-870.754	-869.050	-870.751	-869.010	-870.748	-868.970	-870.746	-868.930	-870.743	-868.890	-870.740	-868.850	-870.737	-868.810	-870.735	-868.770	-870.732	-868.730	-870.729
CHANAGE		32+200	32+210	32+220	32+230	32+240	32+250	32+260	32+270	32+280	32+290	32+300	32+310	32+320	32+330	32+340	32+350	32+360	32+370	32+380	32+390	32+400	32+410	32+420	32+430	32+440	32+450	32+460	32+470	32+480	32+490	32+500	32+510	32+520	32+530	32+540	32+550	32+560	32+570	32+580	32+590	32+600	32+610	32+620	32+630	32+640	32+650	32+660	32+670	32+680	32+690	32+700	32+710	32+720	32+730	32+740	32+750	32+760	32+770	32+780	32+790	32+800	32+810	32+820	32+830	32+840	32+850	32+860	32+870	32+880	32+890	32+900																																																																							

CD. NO	33/1
CHAINAGE	322.33.400
TYPE	1X2 BOX

CD. NO	33/2
CHAINAGE	32480.000
TYPE	1X2 BOX

**-0.300%**  
L=450.000m

**0.300**

**-0.027%**  
L=1251.391m

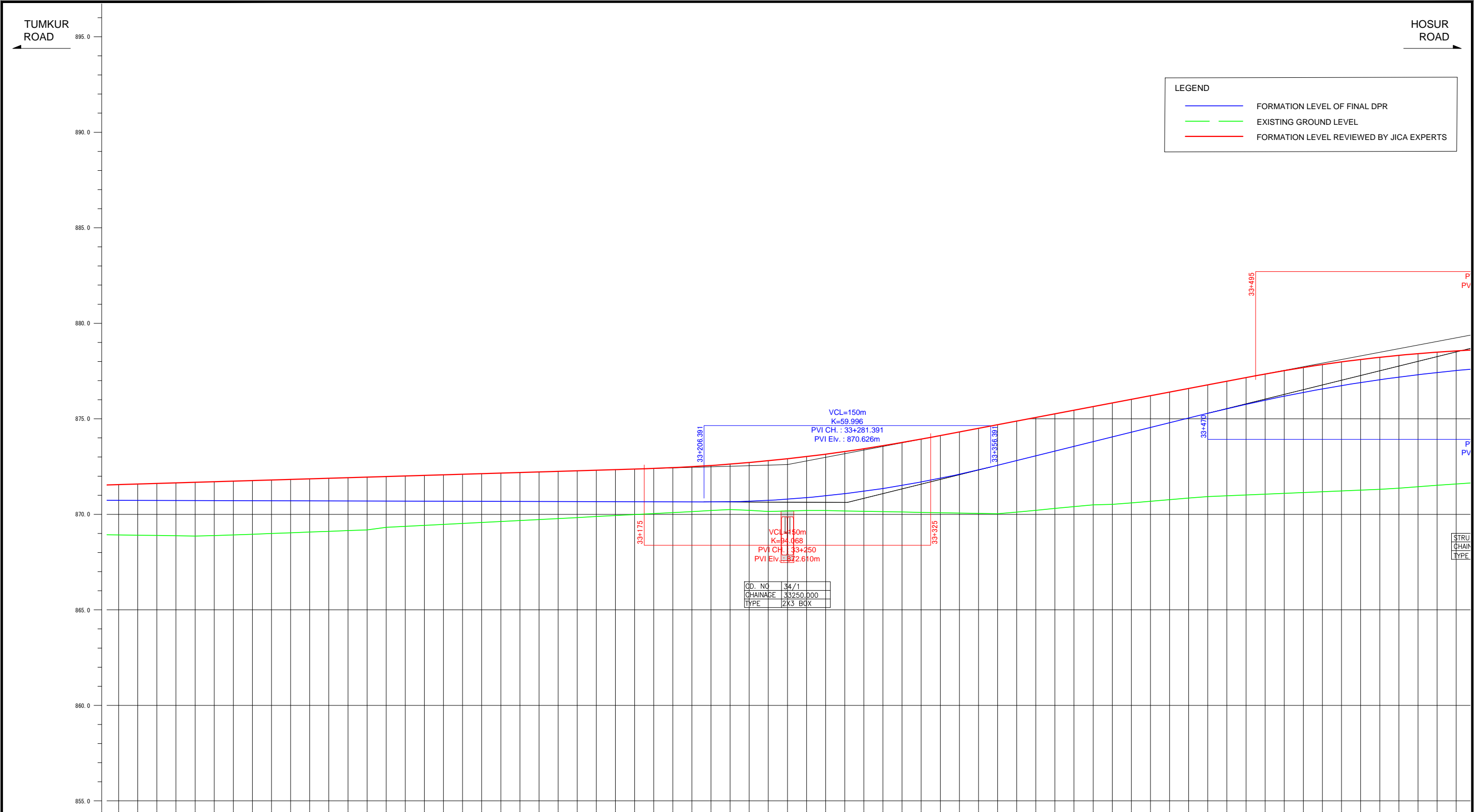
**0.300%**  
L=770.000m

Note

Project Name  
JICA Experts on Bangaluru Peripheral Ring Road Project in India

Drawing Title  
MAIN ROAD PROFILE CH: 32+200 TO CH: 32+900

Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
RD-67-J	RD-67	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL
	REVISION BY JICA EXPERTS

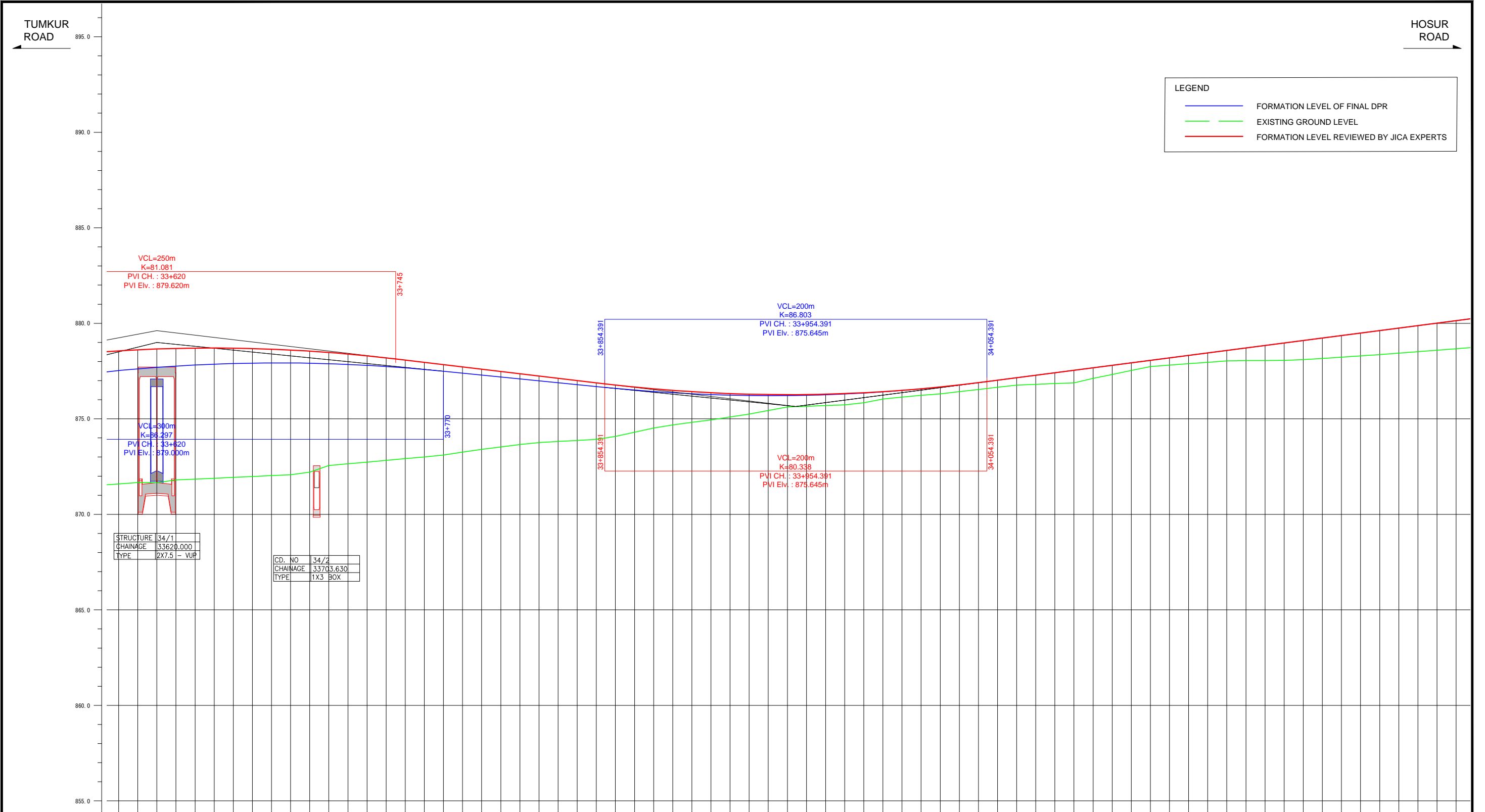
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL
	REVISION BY JICA EXPERTS

GROUND LEVEL ALONG REFERENCE LINE	ORIGINAL
	REVISION BY JICA EXPERTS

CHANAGE	ORIGINAL	REVISION BY JICA EXPERTS
32+900	-868.922	-871.560
32+910	-868.908	-871.590
32+920	-868.895	-871.620
32+930	-868.881	-871.650
32+940	-868.867	-871.680
32+950	-868.856	-871.710
32+960	-868.924	-871.740
32+970	-868.961	-871.770
32+980	-868.999	-871.800
32+990	-869.036	-871.830
33+000	-869.074	-871.860
33+010	-869.111	-871.890
33+020	-869.149	-871.920
33+030	-869.186	-871.950
33+040	-869.317	-871.980
33+050	-869.368	-872.010
33+060	-869.420	-872.040
33+070	-869.472	-872.070
33+080	-869.523	-872.100
33+090	-869.575	-872.130
33+100	-869.626	-872.160
33+110	-869.678	-872.190
33+120	-869.729	-872.220
33+130	-869.781	-872.250
33+140	-869.833	-872.280
33+150	-869.884	-872.310
33+160	-869.936	-872.340
33+170	-869.987	-872.370
33+180	-870.039	-872.401
33+190	-870.092	-872.442
33+200	-870.146	-872.483
33+210	-870.199	-872.524
33+220	-870.253	-872.565
33+230	-870.208	-872.606
33+240	-870.148	-872.647
33+250	-870.174	-872.688
33+260	-870.199	-872.729
33+270	-870.199	-872.770
33+280	-870.180	-872.811
33+290	-870.161	-872.852
33+300	-870.142	-872.893
33+310	-870.123	-872.934
33+320	-870.103	-872.975
33+330	-870.085	-873.016
33+340	-870.068	-873.057
33+350	-870.050	-873.098
33+360	-870.032	-873.139
33+370	-870.116	-873.180
33+380	-870.212	-873.221
33+390	-870.310	-873.262
33+400	-870.407	-873.303
33+410	-870.495	-873.344
33+420	-870.519	-873.385
33+430	-870.603	-873.426
33+440	-870.686	-873.467
33+450	-870.770	-873.508
33+460	-870.854	-873.549
33+470	-870.933	-873.590
33+480	-870.975	-873.631
33+490	-871.017	-873.672
33+500	-871.059	-873.713
33+510	-871.101	-873.754
33+520	-871.143	-873.795
33+530	-871.185	-873.836
33+540	-871.227	-873.877
33+550	-871.269	-873.918
33+560	-871.311	-873.959
33+570	-871.372	-874.000
33+580	-871.445	-874.041
33+590	-871.518	-874.082
33+600	-871.590	-874.123

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 32+900 TO CH: 33+600	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-68-J	RD-68	A1	H=1:1000 V=1:100	July 2015





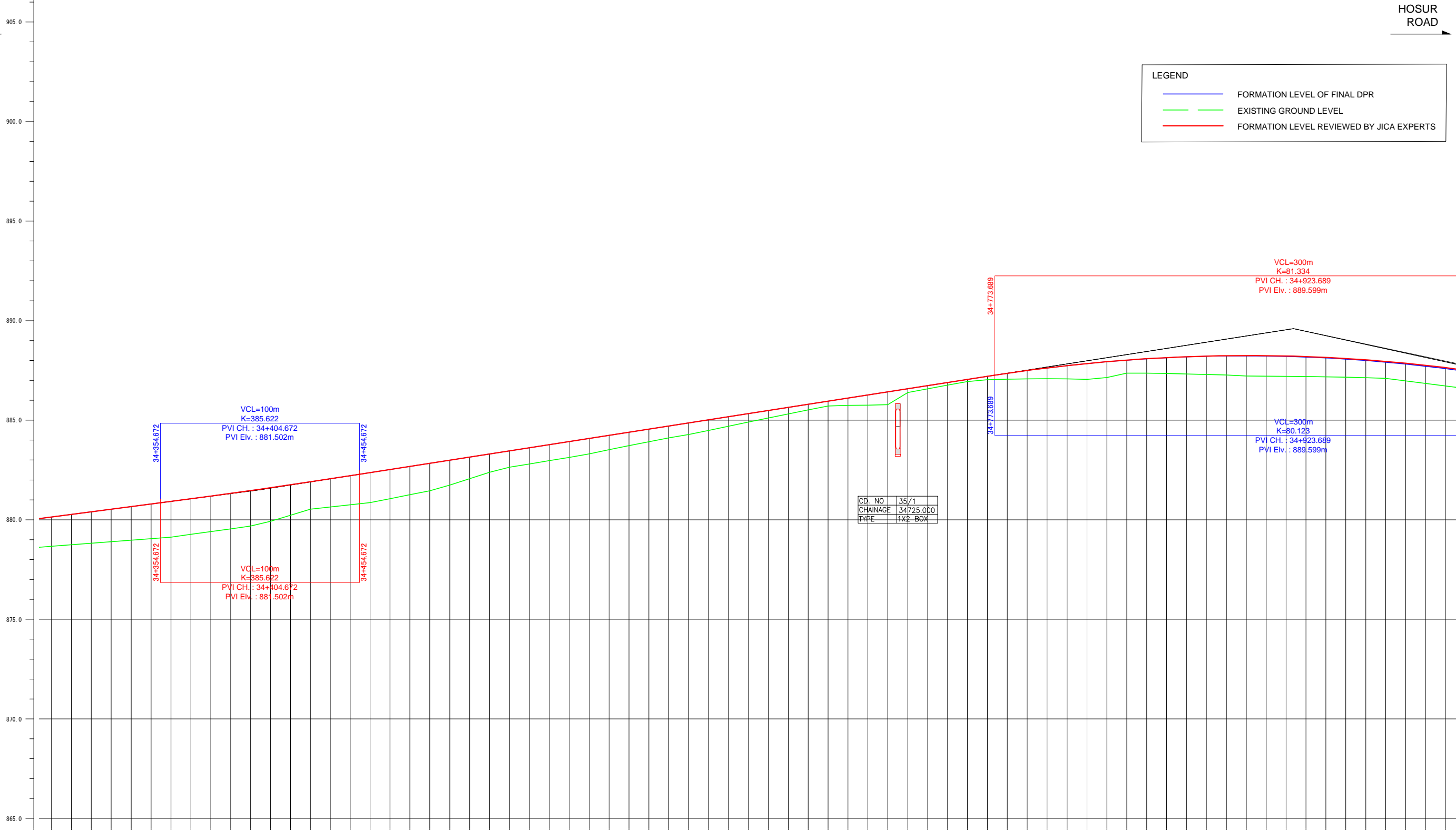
FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	-878.561 -877.526	-878.615 -877.617	-878.656 -877.696	-878.688 -877.764	-878.702 -877.820	-878.707 -877.865	-878.699 -877.898	-878.679 -877.919	-878.646 -877.929	-878.601 -877.927	-878.544 -877.913	-878.475 -877.888	-878.393 -877.852	-878.299 -877.804	-878.192 -877.744	-878.075 -877.673	-877.956 -877.590	-877.837 -877.495	-877.718 -877.395	-877.599 -877.294	-877.480 -877.194	-877.361 -877.094	-877.243 -876.993	-877.124 -876.893	-877.005 -876.793	-876.886 -876.692	-876.769 -876.594	-876.663 -876.506	-876.570 -876.429	-876.469 -876.364	-876.421 -876.311	-876.365 -876.269	-876.322 -876.238	-876.291 -876.219	-876.272 -876.212	-876.266 -876.216	-876.272 -876.231	-876.291 -876.258	-876.323 -876.297	-876.366 -876.347	-876.422 -876.409	-876.491 -876.482	-876.572 -876.567	-876.666 -876.663	-876.771 -876.770	-876.890 -876.890	-877.019 -877.019	-877.149 -877.149	-877.279 -877.279	-877.409 -877.409	-877.539 -877.539	-877.669 -877.669	-877.799 -877.799	-877.929 -877.929	-878.059 -878.059	-878.189 -878.189	-878.319 -878.319	-878.450 -878.450	-878.580 -878.580	-878.710 -878.710	-878.840 -878.840	-878.970 -878.970	-879.100 -879.100	-879.230 -879.230	-879.360 -879.360	-879.490 -879.490	-879.620 -879.620	-879.750 -879.750	-879.880 -879.880	-880.010 -880.010	-880.140 -880.140
	REVISION BY JICA EXPERTS	-878.561 -877.526	-878.615 -877.617	-878.656 -877.696	-878.688 -877.764	-878.702 -877.820	-878.707 -877.865	-878.699 -877.898	-878.679 -877.919	-878.646 -877.929	-878.601 -877.927	-878.544 -877.913	-878.475 -877.888	-878.393 -877.852	-878.299 -877.804	-878.192 -877.744	-878.075 -877.673	-877.956 -877.590	-877.837 -877.495	-877.718 -877.395	-877.599 -877.294	-877.480 -877.194	-877.361 -877.094	-877.243 -876.993	-877.124 -876.893	-877.005 -876.793	-876.886 -876.692	-876.769 -876.594	-876.663 -876.506	-876.570 -876.429	-876.469 -876.364	-876.421 -876.311	-876.365 -876.269	-876.322 -876.238	-876.291 -876.219	-876.272 -876.212	-876.266 -876.216	-876.272 -876.231	-876.291 -876.258	-876.323 -876.297	-876.366 -876.347	-876.422 -876.409	-876.491 -876.482	-876.572 -876.567	-876.666 -876.663	-876.771 -876.770	-876.890 -876.890	-877.019 -877.019	-877.149 -877.149	-877.279 -877.279	-877.409 -877.409	-877.539 -877.539	-877.669 -877.669	-877.799 -877.799	-877.929 -877.929	-878.059 -878.059	-878.189 -878.189	-878.319 -878.319	-878.450 -878.450	-878.580 -878.580	-878.710 -878.710	-878.840 -878.840	-878.970 -878.970	-879.100 -879.100	-879.230 -879.230	-879.360 -879.360	-879.490 -879.490	-879.620 -879.620	-879.750 -879.750	-879.880 -879.880	-880.010 -880.010	-880.140 -880.140
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	-																														-1.003%	-																														-1.301%									
	REVISION BY JICA EXPERTS	-																														-1.189%	-																														-1.301%									
GROUND LEVEL ALONG REFERENCE LINE	-																														-1.003%	-																														-1.301%										
CHANAGE	33+600	33+610	33+620	33+630	33+640	33+650	33+660	33+670	33+680	33+690	33+700	33+710	33+720	33+730	33+740	33+750	33+760	33+770	33+780	33+790	33+800	33+810	33+820	33+830	33+840	33+850	33+860	33+870	33+880	33+890	33+900	33+910	33+920	33+930	33+940	33+950	33+960	33+970	33+980	33+990	34+000	34+010	34+020	34+030	34+040	34+050	34+060	34+070	34+080	34+090	34+100	34+110	34+120	34+130	34+140	34+150	34+160	34+170	34+180	34+190	34+200	34+210	34+220	34+230	34+240	34+250	34+260	34+270	34+280	34+290	34+300	

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 33+600 TO CH: 34+300	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-69-J	RD-69	A1	H=1:1000 V=1:100	July 2015

TUMKUR ROAD

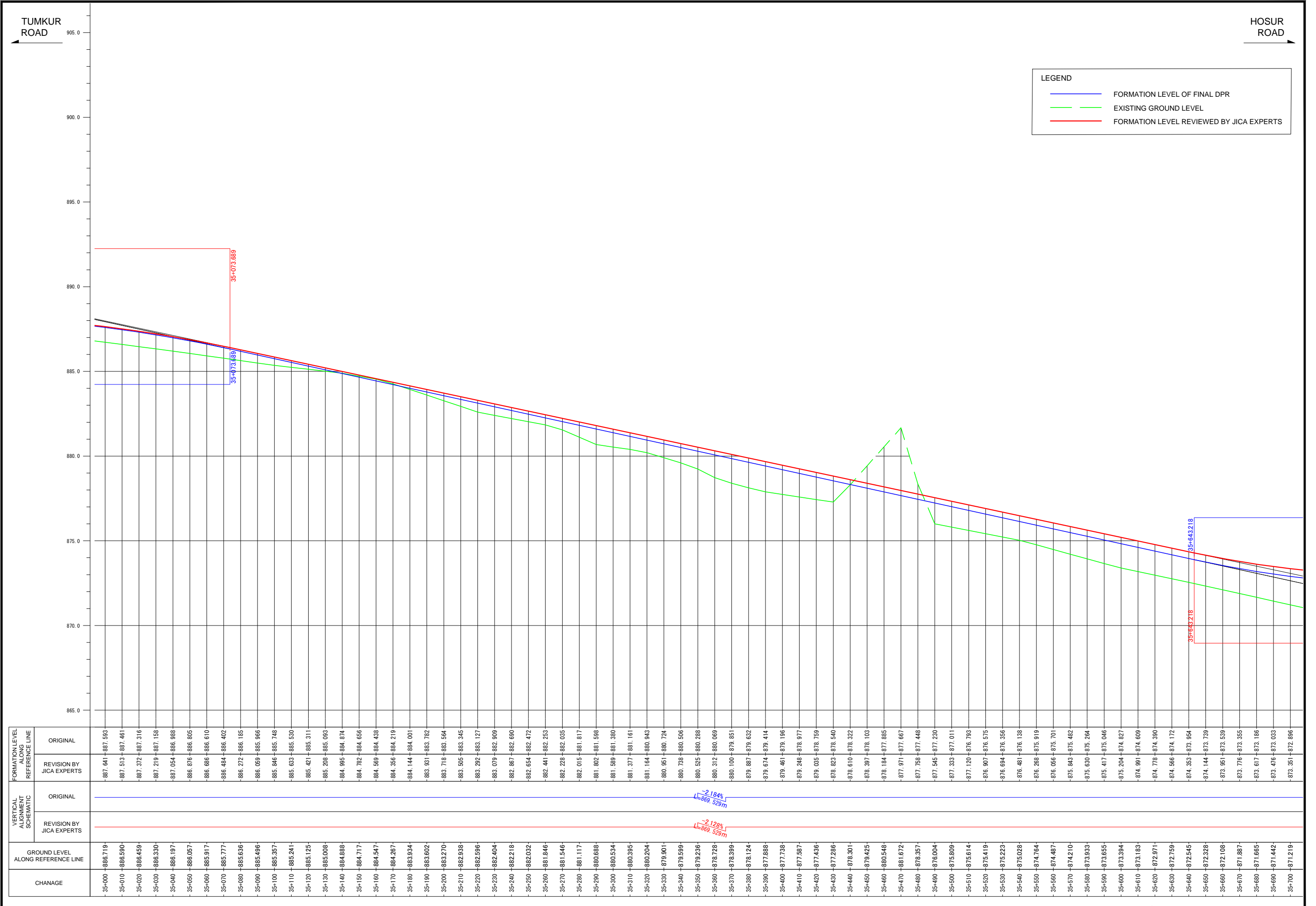
HOSUR ROAD

LEGEND	
	FORMATION LEVEL OF FINAL DPR
	EXISTING GROUND LEVEL
	FORMATION LEVEL REVIEWED BY JICA EXPERTS

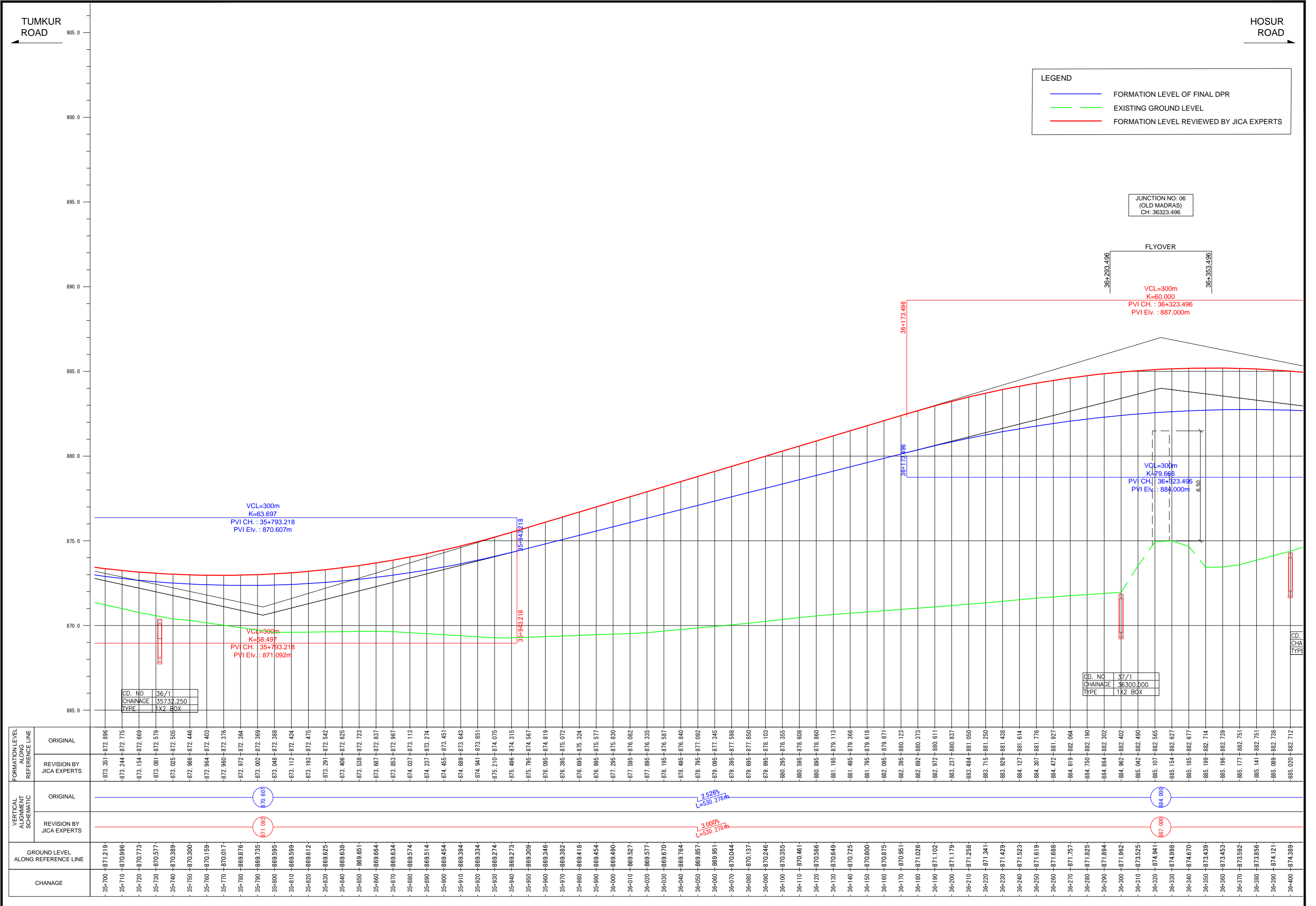


FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	-880.140 -880.140
	REVISION BY JICA EXPERTS	-880.271 -880.271
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	
	REVISION BY JICA EXPERTS	
GROUND LEVEL ALONG REFERENCE LINE	ORIGINAL	-880.271 -880.271
	REVISION BY JICA EXPERTS	-880.401 -880.401
CHANAGE	ORIGINAL	-880.401 -880.401
	REVISION BY JICA EXPERTS	-880.531 -880.531
34+300	-878.667	
34+310	-878.744	
34+320	-878.820	
34+330	-878.897	
34+340	-878.973	
34+350	-879.050	
34+360	-879.127	
34+370	-879.206	
34+380	-879.405	
34+390	-879.544	
34+400	-879.683	
34+410	-879.926	
34+420	-880.228	
34+430	-880.531	
34+440	-880.642	
34+450	-880.749	
34+460	-880.865	
34+470	-881.056	
34+480	-881.262	
34+490	-881.456	
34+500	-881.740	
34+510	-882.063	
34+520	-882.385	
34+530	-882.641	
34+540	-882.804	
34+550	-882.966	
34+560	-883.127	
34+570	-883.312	
34+580	-883.518	
34+590	-883.721	
34+600	-883.919	
34+610	-884.113	
34+620	-884.279	
34+630	-884.484	
34+640	-884.699	
34+650	-884.909	
34+660	-885.115	
34+670	-885.319	
34+680	-885.519	
34+690	-885.717	
34+700	-885.743	
34+710	-885.754	
34+720	-885.777	
34+730	-886.389	
34+740	-886.577	
34+750	-886.762	
34+760	-886.945	
34+770	-887.034	
34+780	-887.061	
34+790	-887.078	
34+800	-887.085	
34+810	-887.077	
34+820	-887.054	
34+830	-887.147	
34+840	-887.363	
34+850	-887.363	
34+860	-887.344	
34+870	-887.323	
34+880	-887.299	
34+890	-887.269	
34+900	-887.217	
34+910	-887.216	
34+920	-887.205	
34+930	-887.191	
34+940	-887.175	
34+950	-887.158	
34+960	-887.139	
34+970	-887.100	
34+980	-886.977	
34+990	-886.848	
35+000	-886.719	

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-70-J	RD-70	A1	H=1:1000 V=1:100	July 2015



Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 35+000 TO CH: 35+700	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-71-J	RD-71	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

JUNCTION NO: 06  
(OLD MADRAS)  
CH: 36323.496

FLYOVER  
36+293.496 36+353.496

VCL=300m  
K=60.000  
PVI CH.: 36+323.496  
PVI Elev.: 887.000m

VCL=300m  
K=79.666  
PVI CH.: 36+323.496  
PVI Elev.: 884.000m

VCL=300m  
K=63.697  
PVI CH.: 35+793.218  
PVI Elev.: 870.607m

VCL=300m  
K=58.497  
PVI CH.: 35+793.218  
PVI Elev.: 871.092m

CD. NO	36/1
CHAINAGE	35732.250
TYPE	1X2 BOX

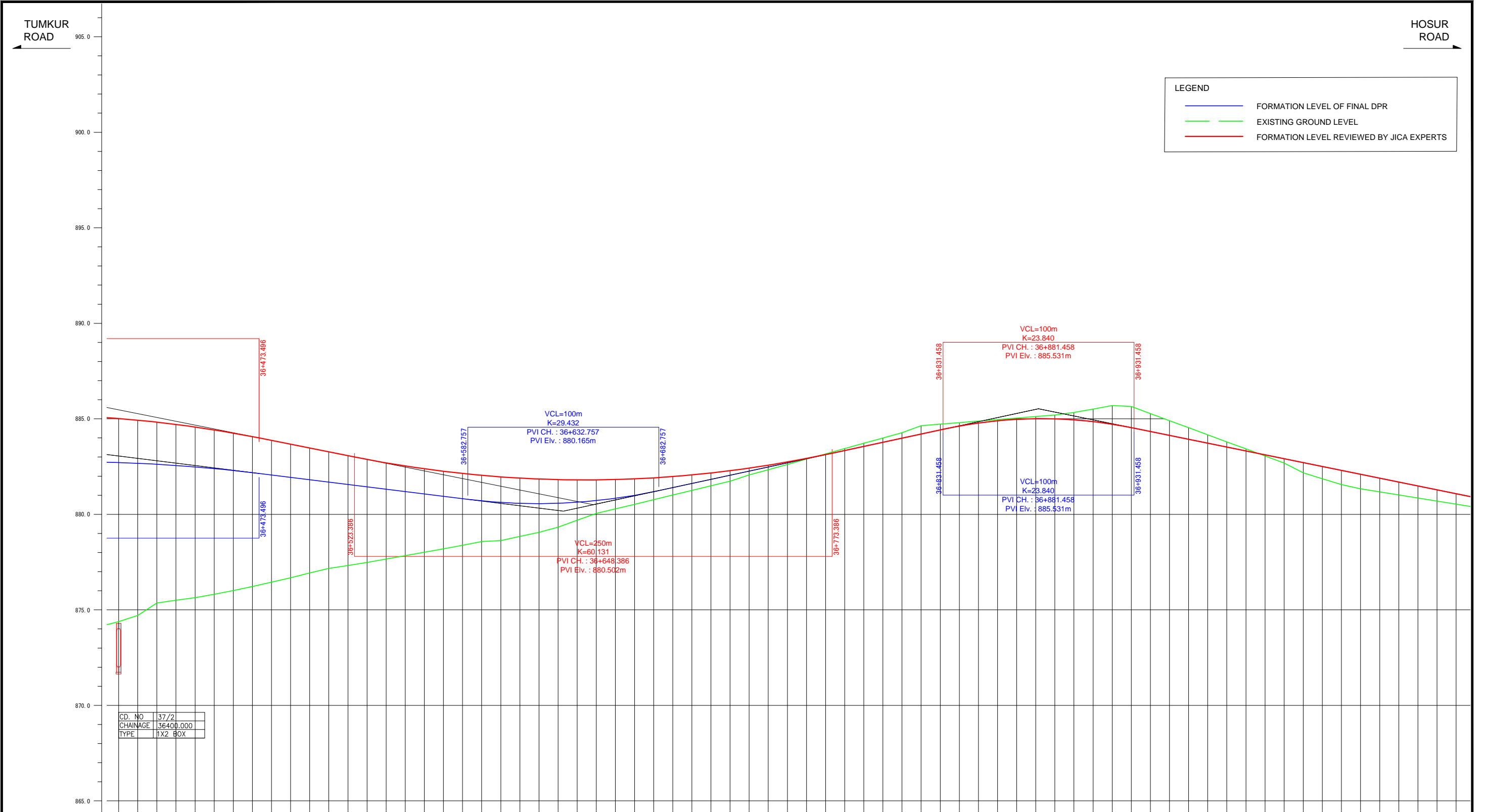
CD. NO	37/1
CHAINAGE	36300.000
TYPE	1X2 BOX

FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	-873.351 -872.896	-873.351 -872.896
-873.244 -872.775	-873.244 -872.775	
-873.154 -872.669	-873.154 -872.669	
-873.081 -872.579	-873.081 -872.579	
-873.025 -872.505	-873.025 -872.505	
-872.965 -872.446	-872.965 -872.446	
-872.964 -872.403	-872.964 -872.403	
-872.960 -872.376	-872.960 -872.376	
-872.972 -872.364	-872.972 -872.364	
-873.002 -872.369	-873.002 -872.369	
-873.048 -872.388	-873.048 -872.388	
-873.112 -872.424	-873.112 -872.424	
-873.193 -872.475	-873.193 -872.475	
-873.291 -872.542	-873.291 -872.542	
-873.406 -872.625	-873.406 -872.625	
-873.538 -872.723	-873.538 -872.723	
-873.687 -872.837	-873.687 -872.837	
-873.853 -872.967	-873.853 -872.967	
-874.037 -873.113	-874.037 -873.113	
-874.237 -873.274	-874.237 -873.274	
-874.465 -873.451	-874.465 -873.451	
-874.689 -873.643	-874.689 -873.643	
-874.941 -873.851	-874.941 -873.851	
-875.210 -874.075	-875.210 -874.075	
-875.466 -874.315	-875.466 -874.315	
-875.795 -874.567	-875.795 -874.567	
-876.095 -874.819	-876.095 -874.819	
-876.395 -875.072	-876.395 -875.072	
-876.665 -875.324	-876.665 -875.324	
-876.965 -875.577	-876.965 -875.577	
-877.295 -875.830	-877.295 -875.830	
-877.595 -876.082	-877.595 -876.082	
-877.895 -876.335	-877.895 -876.335	
-878.195 -876.587	-878.195 -876.587	
-878.465 -876.840	-878.465 -876.840	
-878.795 -877.092	-878.795 -877.092	
-879.095 -877.345	-879.095 -877.345	
-879.395 -877.598	-879.395 -877.598	
-879.695 -877.850	-879.695 -877.850	
-879.995 -878.103	-879.995 -878.103	
-880.295 -878.355	-880.295 -878.355	
-880.595 -878.608	-880.595 -878.608	
-880.895 -878.860	-880.895 -878.860	
-881.195 -879.113	-881.195 -879.113	
-881.495 -879.366	-881.495 -879.366	
-881.795 -879.618	-881.795 -879.618	
-882.095 -879.871	-882.095 -879.871	
-882.395 -880.123	-882.395 -880.123	
-882.692 -880.373	-882.692 -880.373	
-882.972 -880.611	-882.972 -880.611	
-883.237 -880.837	-883.237 -880.837	
-883.484 -881.050	-883.484 -881.050	
-883.715 -881.250	-883.715 -881.250	
-883.929 -881.438	-883.929 -881.438	
-884.127 -881.614	-884.127 -881.614	
-884.307 -881.776	-884.307 -881.776	
-884.472 -881.927	-884.472 -881.927	
-884.619 -882.064	-884.619 -882.064	
-884.750 -882.190	-884.750 -882.190	
-884.864 -882.302	-884.864 -882.302	
-884.962 -882.402	-884.962 -882.402	
-885.042 -882.490	-885.042 -882.490	
-885.107 -882.565	-885.107 -882.565	
-885.154 -882.627	-885.154 -882.627	
-885.185 -882.677	-885.185 -882.677	
-885.199 -882.714	-885.199 -882.714	
-885.196 -882.739	-885.196 -882.739	
-885.177 -882.751	-885.177 -882.751	
-885.141 -882.751	-885.141 -882.751	
-885.089 -882.738	-885.089 -882.738	
-885.020 -882.712	-885.020 -882.712	

VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	REVISION BY JICA EXPERTS
	870.607	871.092
2.526% L=530.278m	3.000% L=530.278m	
884.000	887.000	

GROUND LEVEL ALONG REFERENCE LINE	CHANAGE
-871.219	35+700
-870.986	35+710
-870.773	35+720
-870.577	35+730
-870.389	35+740
-870.300	35+750
-870.159	35+760
-870.017	35+770
-869.876	35+780
-869.735	35+790
-869.595	35+800
-869.599	35+810
-869.612	35+820
-869.625	35+830
-869.638	35+840
-869.651	35+850
-869.664	35+860
-869.634	35+870
-869.574	35+880
-869.514	35+890
-869.454	35+900
-869.394	35+910
-869.334	35+920
-869.274	35+930
-869.213	35+940
-869.309	35+950
-869.346	35+960
-869.382	35+970
-869.418	35+980
-869.454	35+990
-869.490	36+000
-869.527	36+010
-869.577	36+020
-869.670	36+030
-869.764	36+040
-869.857	36+050
-869.951	36+060
-870.044	36+070
-870.137	36+080
-870.246	36+090
-870.355	36+100
-870.461	36+110
-870.566	36+120
-870.649	36+130
-870.725	36+140
-870.800	36+150
-870.875	36+160
-870.951	36+170
-871.026	36+180
-871.102	36+190
-871.179	36+200
-871.258	36+210
-871.341	36+220
-871.429	36+230
-871.523	36+240
-871.619	36+250
-871.688	36+260
-871.757	36+270
-871.825	36+280
-871.894	36+290
-871.962	36+300
-873.525	36+310
-874.941	36+320
-874.998	36+330
-874.670	36+340
-873.439	36+350
-873.453	36+360
-873.592	36+370
-873.856	36+380
-874.121	36+390
-874.389	36+400

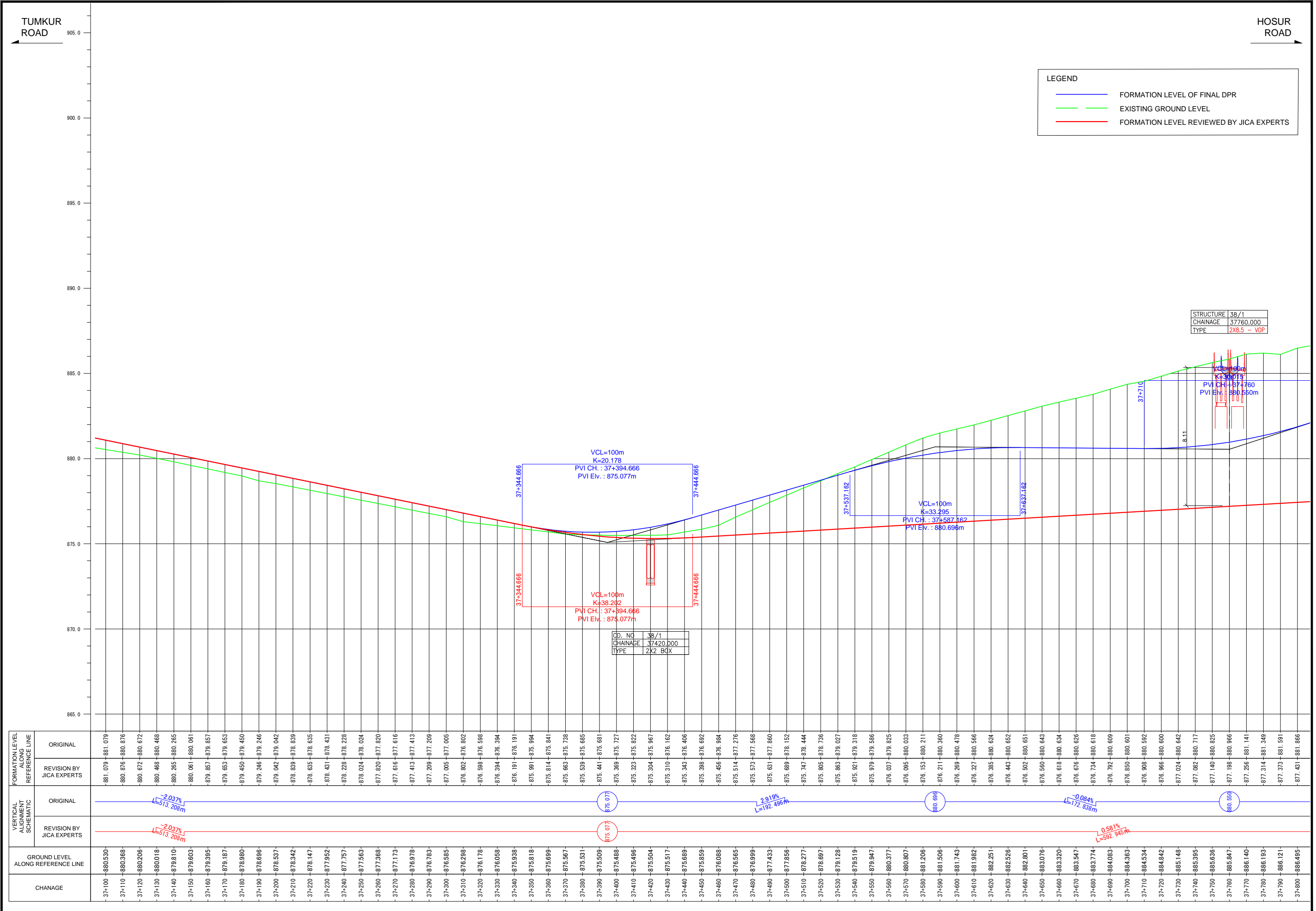
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 35+700 TO CH: 36+400	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-72-J	RD-72	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	-885.020 -882.712
	REVISION BY JICA EXPERTS	-884.934 -882.674
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	<span style="color: blue;">-1.240%</span> <span style="color: blue;">L=308.261m</span>
	REVISION BY JICA EXPERTS	<span style="color: red;">-2.000%</span> <span style="color: red;">L=324.890m</span>
GROUND LEVEL ALONG REFERENCE LINE	ORIGINAL	<span style="color: blue;">880.165</span>
	REVISION BY JICA EXPERTS	<span style="color: red;">880.502</span>
CHANAGE	ORIGINAL	-885.020 -882.712
	REVISION BY JICA EXPERTS	-884.934 -882.674
36-400	-874.389	
36-410	-874.707	
36-420	-875.357	
36-430	-875.504	
36-440	-875.637	
36-450	-875.818	
36-460	-876.014	
36-470	-876.225	
36-480	-876.447	
36-490	-876.679	
36-500	-876.934	
36-510	-877.174	
36-520	-877.326	
36-530	-877.486	
36-540	-877.662	
36-550	-877.839	
36-560	-878.016	
36-570	-878.193	
36-580	-878.382	
36-590	-878.573	
36-600	-878.630	
36-610	-878.845	
36-620	-879.060	
36-630	-879.330	
36-640	-879.690	
36-650	-880.050	
36-660	-880.284	
36-670	-880.527	
36-680	-880.769	
36-690	-881.011	
36-700	-881.254	
36-710	-881.496	
36-720	-881.738	
36-730	-882.081	
36-740	-882.338	
36-750	-882.615	
36-760	-882.891	
36-770	-883.168	
36-780	-883.445	
36-790	-883.722	
36-800	-883.998	
36-810	-884.275	
36-820	-884.640	
36-830	-884.722	
36-840	-884.801	
36-850	-884.880	
36-860	-884.959	
36-870	-885.038	
36-880	-885.118	
36-890	-885.197	
36-900	-885.332	
36-910	-885.513	
36-920	-885.694	
36-930	-885.642	
36-940	-885.273	
36-950	-884.903	
36-960	-884.534	
36-970	-884.164	
36-980	-883.795	
36-990	-883.425	
37-000	-883.056	
37-010	-882.686	
37-020	-882.174	
37-030	-881.863	
37-040	-881.553	
37-050	-881.340	
37-060	-881.178	
37-070	-881.016	
37-080	-880.854	
37-090	-880.692	
37-100	-880.530	

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 36+400 TO CH: 37+100	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-73-J	RD-73	A1	H=1:1000 V=1:100	July 2015



**LEGEND**

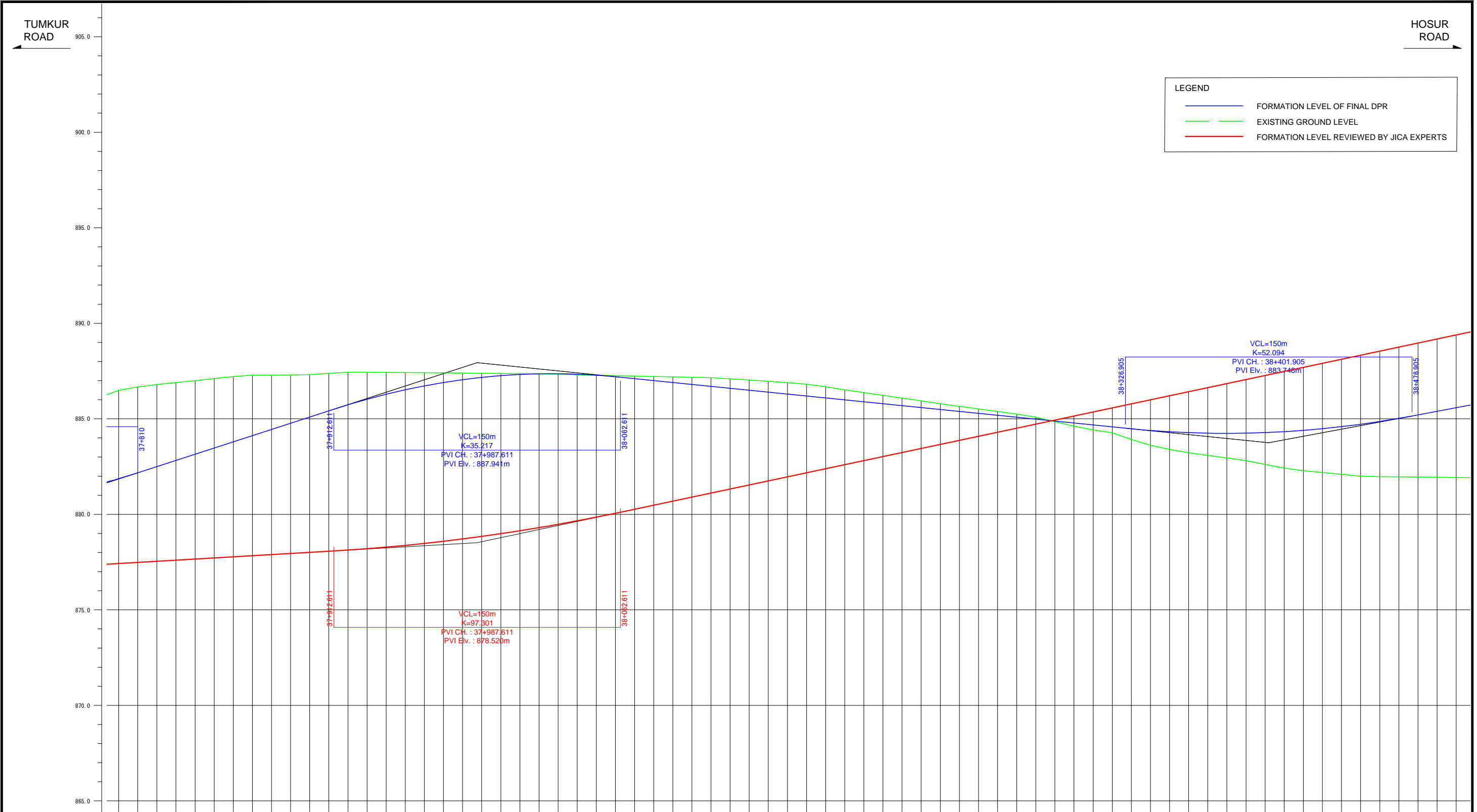
- FORMATION LEVEL OF FINAL DPR
- EXISTING GROUND LEVEL
- FORMATION LEVEL REVIEWED BY JICA EXPERTS

STRUCTURE	38/1
CHAINAGE	37760.000
TYPE	2X8.5 - VOP

CD. NO	38/1
CHAINAGE	37420.000
TYPE	2K2 BOX

FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	
	ORIGINAL	REVISION BY JICA EXPERTS
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	REVISION BY JICA EXPERTS
	ORIGINAL	REVISION BY JICA EXPERTS
GROUND LEVEL ALONG REFERENCE LINE		
CHANAGE		
	37+100 - 880.530	881.079 - 881.079
	37+110 - 880.368	880.876 - 880.876
	37+120 - 880.206	880.672 - 880.672
	37+130 - 880.018	880.468 - 880.468
	37+140 - 879.810	880.265 - 880.265
	37+150 - 879.603	880.061 - 880.061
	37+160 - 879.395	879.857 - 879.857
	37+170 - 879.187	879.653 - 879.653
	37+180 - 878.980	879.450 - 879.450
	37+190 - 878.696	879.246 - 879.246
	37+200 - 878.537	879.042 - 879.042
	37+210 - 878.342	878.839 - 878.839
	37+220 - 878.147	878.635 - 878.635
	37+230 - 877.952	878.431 - 878.431
	37+240 - 877.757	878.228 - 878.228
	37+250 - 877.563	878.024 - 878.024
	37+260 - 877.368	877.820 - 877.820
	37+270 - 877.173	877.616 - 877.616
	37+280 - 876.978	877.413 - 877.413
	37+290 - 876.783	877.209 - 877.209
	37+300 - 876.585	877.005 - 877.005
	37+310 - 876.298	876.802 - 876.802
	37+320 - 876.178	876.598 - 876.598
	37+330 - 876.058	876.394 - 876.394
	37+340 - 875.938	876.191 - 876.191
	37+350 - 875.818	875.991 - 875.994
	37+360 - 875.699	875.814 - 875.841
	37+370 - 875.567	875.663 - 875.738
	37+380 - 875.531	875.539 - 875.685
	37+390 - 875.509	875.441 - 875.681
	37+400 - 875.488	875.369 - 875.727
	37+410 - 875.496	875.323 - 875.822
	37+420 - 875.504	875.304 - 875.967
	37+430 - 875.517	875.310 - 876.162
	37+440 - 875.659	875.343 - 876.406
	37+450 - 875.859	875.398 - 876.692
	37+460 - 876.088	875.456 - 876.984
	37+470 - 876.565	875.514 - 877.276
	37+480 - 876.989	875.573 - 877.568
	37+490 - 877.433	875.631 - 877.860
	37+500 - 877.856	875.689 - 878.152
	37+510 - 878.277	875.747 - 878.444
	37+520 - 878.687	875.805 - 878.736
	37+530 - 879.128	875.863 - 879.027
	37+540 - 879.519	875.921 - 879.318
	37+550 - 879.947	875.979 - 879.586
	37+560 - 880.377	876.037 - 879.825
	37+570 - 880.807	876.095 - 880.033
	37+580 - 881.206	876.153 - 880.211
	37+590 - 881.506	876.211 - 880.360
	37+600 - 881.743	876.269 - 880.478
	37+610 - 881.982	876.327 - 880.566
	37+620 - 882.251	876.385 - 880.624
	37+630 - 882.526	876.443 - 880.652
	37+640 - 882.801	876.502 - 880.651
	37+650 - 883.076	876.560 - 880.643
	37+660 - 883.320	876.618 - 880.634
	37+670 - 883.547	876.676 - 880.626
	37+680 - 883.774	876.734 - 880.618
	37+690 - 884.053	876.792 - 880.609
	37+700 - 884.363	876.850 - 880.601
	37+710 - 884.534	876.908 - 880.592
	37+720 - 884.842	876.966 - 880.600
	37+730 - 885.148	877.024 - 880.642
	37+740 - 885.395	877.082 - 880.717
	37+750 - 885.636	877.140 - 880.825
	37+760 - 885.847	877.198 - 880.966
	37+770 - 886.140	877.256 - 881.141
	37+780 - 886.193	877.314 - 881.349
	37+790 - 886.121	877.373 - 881.591
	37+800 - 886.495	877.431 - 881.866

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 37+100 TO CH: 37+800	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-74-J	RD-74	A1	H=1:1000 V=1:100	July 2015



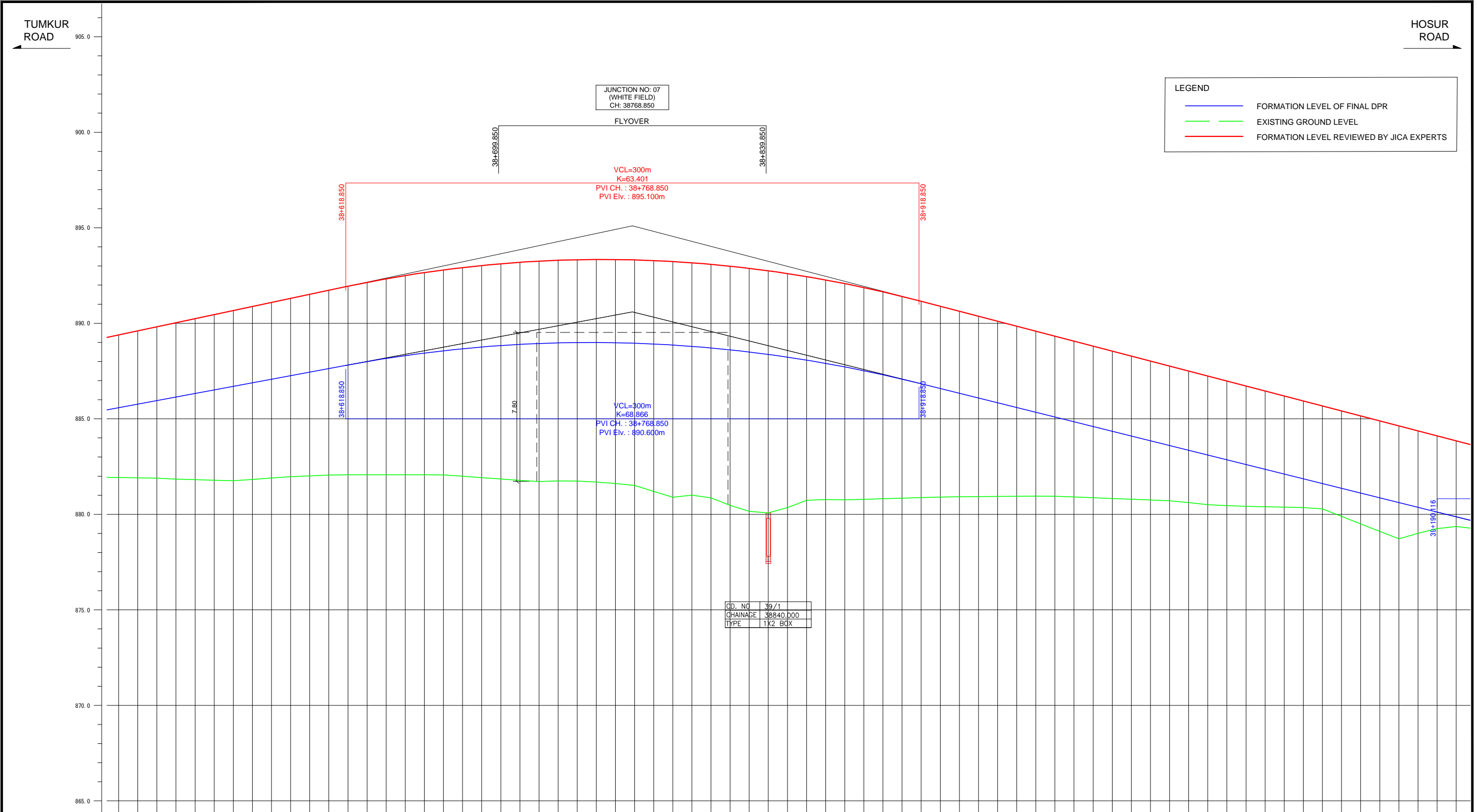
LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL
	REVISION BY JICA EXPERTS

VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL
	REVISION BY JICA EXPERTS

FORMATION LEVEL ALONG REFERENCE LINE	GROUND LEVEL ALONG REFERENCE LINE
37+800 -886.495	886.495
37+810 -886.666	886.666
37+820 -886.800	886.800
37+830 -886.902	886.902
37+840 -887.004	887.004
37+850 -887.106	887.106
37+860 -887.208	887.208
37+870 -887.288	887.288
37+880 -887.292	887.292
37+890 -887.297	887.297
37+900 -887.317	887.317
37+910 -887.378	887.378
37+920 -887.439	887.439
37+930 -887.444	887.444
37+940 -887.436	887.436
37+950 -887.427	887.427
37+960 -887.416	887.416
37+970 -887.405	887.405
37+980 -887.394	887.394
37+990 -887.383	887.383
38+000 -887.372	887.372
38+010 -887.361	887.361
38+020 -887.350	887.350
38+030 -887.339	887.339
38+040 -887.304	887.304
38+050 -887.283	887.283
38+060 -887.262	887.262
38+070 -887.240	887.240
38+080 -887.219	887.219
38+090 -887.198	887.198
38+100 -887.176	887.176
38+110 -887.155	887.155
38+120 -887.090	887.090
38+130 -887.032	887.032
38+140 -886.970	886.970
38+150 -886.890	886.890
38+160 -886.810	886.810
38+170 -886.675	886.675
38+180 -886.517	886.517
38+190 -886.372	886.372
38+200 -886.228	886.228
38+210 -886.084	886.084
38+220 -885.939	885.939
38+230 -885.789	885.789
38+240 -885.653	885.653
38+250 -885.517	885.517
38+260 -885.381	885.381
38+270 -885.246	885.246
38+280 -885.088	885.088
38+290 -884.849	884.849
38+300 -884.611	884.611
38+310 -884.415	884.415
38+320 -884.263	884.263
38+330 -883.920	883.920
38+340 -883.610	883.610
38+350 -883.400	883.400
38+360 -883.224	883.224
38+370 -883.085	883.085
38+380 -882.956	882.956
38+390 -882.805	882.805
38+400 -882.615	882.615
38+410 -882.423	882.423
38+420 -882.287	882.287
38+430 -882.191	882.191
38+440 -882.094	882.094
38+450 -881.995	881.995
38+460 -881.973	881.973
38+470 -881.964	881.964
38+480 -881.954	881.954
38+490 -881.943	881.943
38+500 -881.930	881.930

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 37+800 TO CH: 38+500	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-75-J	RD-75	A1	H=1:1000 V=1:100	July 2015



**LEGEND**

- FORMATION LEVEL OF FINAL DPR
- EXISTING GROUND LEVEL
- FORMATION LEVEL REVIEWED BY JICA EXPERTS

CD. NO.	39/1
CHAINAGE	38940.000
TYPE	1X2 BOX

FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	[Blue line with 1.867% slope, L=366.945m and -2.480% slope, L=496.266m]	
REVISION BY JICA EXPERTS	[Red line]	

FORMATION LEVEL REFERENCE LINE	FORMATION LEVEL
ORIGINAL	889.394 - 885.580
REVISION BY JICA EXPERTS	889.607 - 885.766
ORIGINAL	889.819 - 885.953
REVISION BY JICA EXPERTS	890.031 - 886.140
ORIGINAL	890.243 - 886.327
REVISION BY JICA EXPERTS	890.455 - 886.513
ORIGINAL	890.668 - 886.700
REVISION BY JICA EXPERTS	890.880 - 886.887
ORIGINAL	891.092 - 887.074
REVISION BY JICA EXPERTS	891.304 - 887.260
ORIGINAL	891.517 - 887.447
REVISION BY JICA EXPERTS	891.729 - 887.634
ORIGINAL	891.941 - 887.820
REVISION BY JICA EXPERTS	892.143 - 887.998
ORIGINAL	892.330 - 888.161
REVISION BY JICA EXPERTS	892.501 - 888.310
ORIGINAL	892.656 - 888.444
REVISION BY JICA EXPERTS	892.796 - 888.564
ORIGINAL	892.919 - 888.669
REVISION BY JICA EXPERTS	893.027 - 888.760
ORIGINAL	893.119 - 888.836
REVISION BY JICA EXPERTS	893.196 - 888.898
ORIGINAL	893.256 - 888.945
REVISION BY JICA EXPERTS	893.301 - 888.978
ORIGINAL	893.330 - 888.996
REVISION BY JICA EXPERTS	893.343 - 888.999
ORIGINAL	893.341 - 888.988
REVISION BY JICA EXPERTS	893.323 - 888.963
ORIGINAL	893.289 - 888.923
REVISION BY JICA EXPERTS	893.239 - 888.868
ORIGINAL	893.173 - 888.799
REVISION BY JICA EXPERTS	893.092 - 888.716
ORIGINAL	892.995 - 888.617
REVISION BY JICA EXPERTS	892.862 - 888.505
ORIGINAL	892.753 - 888.378
REVISION BY JICA EXPERTS	892.609 - 888.236
ORIGINAL	892.448 - 888.090
REVISION BY JICA EXPERTS	892.272 - 887.909
ORIGINAL	892.080 - 887.724
REVISION BY JICA EXPERTS	891.873 - 887.524
ORIGINAL	891.650 - 887.310
REVISION BY JICA EXPERTS	891.410 - 887.081
ORIGINAL	891.156 - 886.838
REVISION BY JICA EXPERTS	890.965 - 886.589
ORIGINAL	890.634 - 886.340
REVISION BY JICA EXPERTS	890.373 - 886.091
ORIGINAL	890.112 - 886.842
REVISION BY JICA EXPERTS	889.851 - 886.593
ORIGINAL	889.590 - 886.345
REVISION BY JICA EXPERTS	889.329 - 886.096
ORIGINAL	889.068 - 884.847
REVISION BY JICA EXPERTS	888.807 - 884.598
ORIGINAL	888.546 - 884.349
REVISION BY JICA EXPERTS	888.285 - 884.100
ORIGINAL	888.024 - 883.851
REVISION BY JICA EXPERTS	887.763 - 883.602
ORIGINAL	887.502 - 883.353
REVISION BY JICA EXPERTS	887.241 - 883.104
ORIGINAL	886.980 - 882.856
REVISION BY JICA EXPERTS	886.719 - 882.607
ORIGINAL	886.459 - 882.358
REVISION BY JICA EXPERTS	886.198 - 882.109
ORIGINAL	885.937 - 881.860
REVISION BY JICA EXPERTS	885.676 - 881.611
ORIGINAL	885.415 - 881.362
REVISION BY JICA EXPERTS	885.154 - 881.113
ORIGINAL	884.893 - 880.864
REVISION BY JICA EXPERTS	884.632 - 880.615
ORIGINAL	884.371 - 880.367
REVISION BY JICA EXPERTS	884.110 - 880.118
ORIGINAL	883.849 - 879.871
REVISION BY JICA EXPERTS	

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 38+500 TO CH: 39+200	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-76-J	RD-76	A1	H=1:1000 V=1:100	July 2015



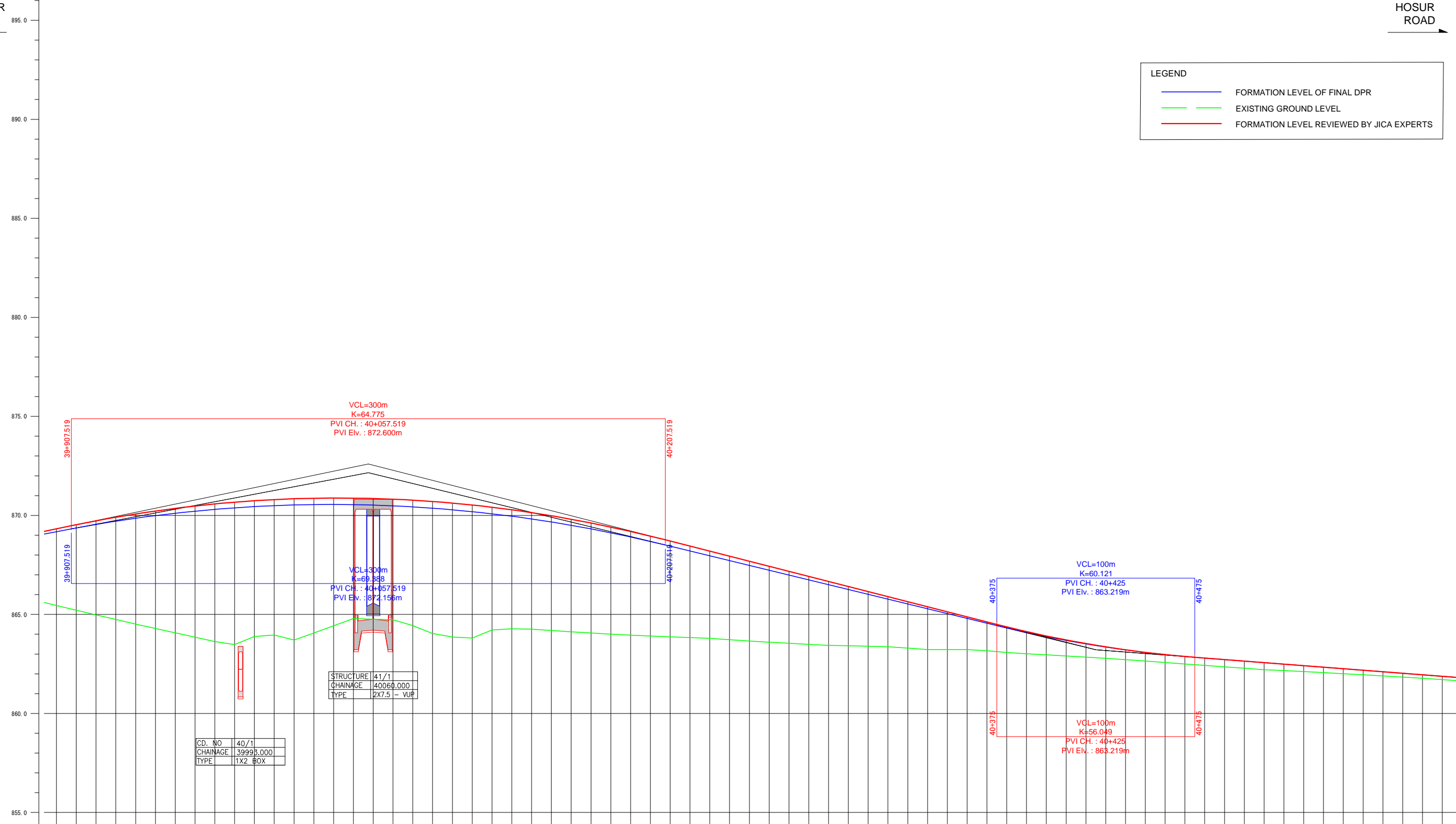


TUMKUR ROAD

HOSUR ROAD

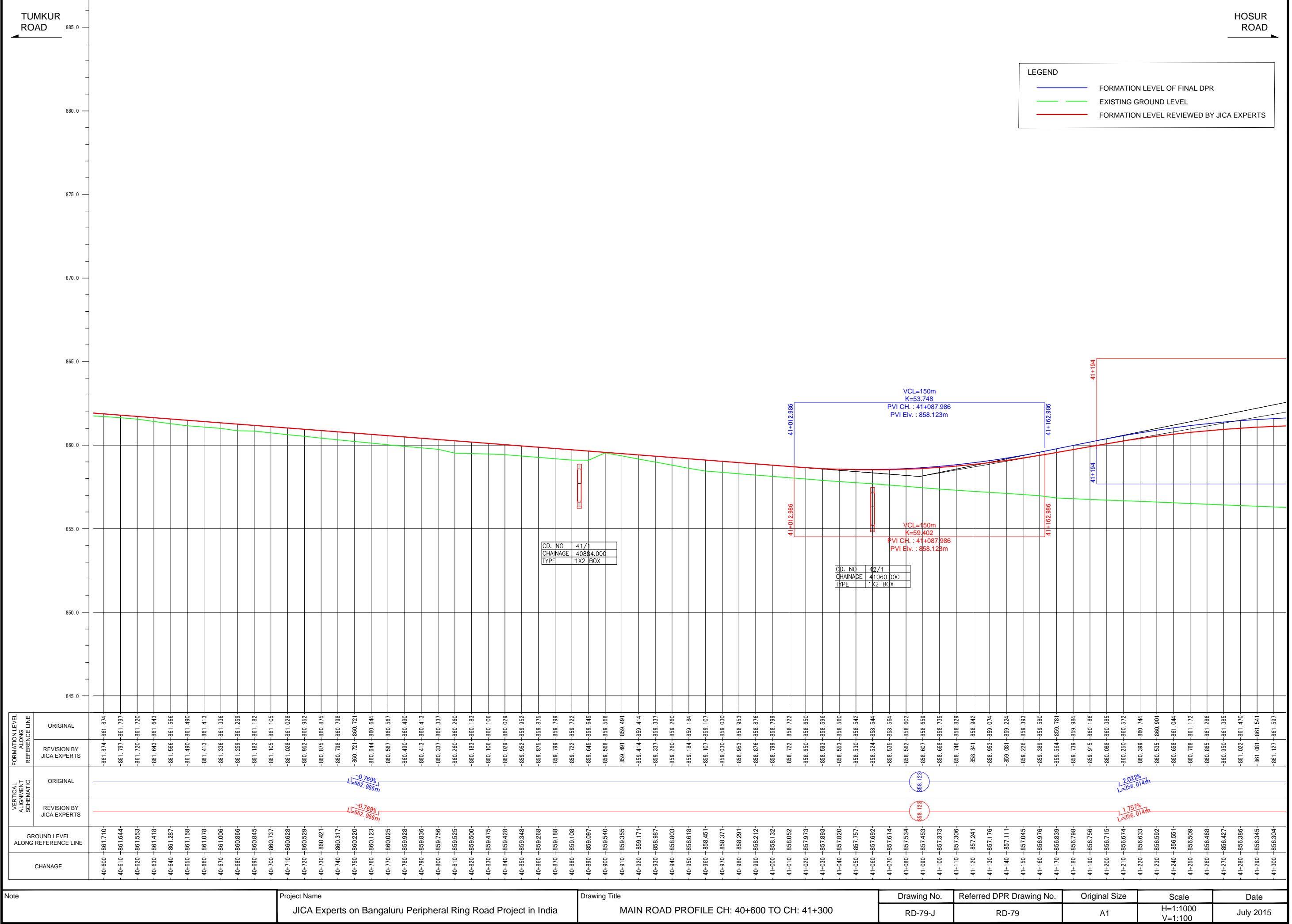
LEGEND

- FORMATION LEVEL OF FINAL DPR
- EXISTING GROUND LEVEL
- FORMATION LEVEL REVIEWED BY JICA EXPERTS



FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	-869.325 -869.176	-869.325 -869.176
REVISION BY JICA EXPERTS	-869.533 -869.365	-869.533 -869.365
ORIGINAL	-869.729 -869.544	-869.729 -869.544
REVISION BY JICA EXPERTS	-869.910 -869.707	-869.910 -869.707
ORIGINAL	-870.076 -869.857	-870.076 -869.857
REVISION BY JICA EXPERTS	-870.226 -869.992	-870.226 -869.992
ORIGINAL	-870.360 -870.113	-870.360 -870.113
REVISION BY JICA EXPERTS	-870.479 -870.219	-870.479 -870.219
ORIGINAL	-870.583 -870.311	-870.583 -870.311
REVISION BY JICA EXPERTS	-870.671 -870.389	-870.671 -870.389
ORIGINAL	-870.744 -870.452	-870.744 -870.452
REVISION BY JICA EXPERTS	-870.802 -870.500	-870.802 -870.500
ORIGINAL	-870.844 -870.535	-870.844 -870.535
REVISION BY JICA EXPERTS	-870.870 -870.554	-870.870 -870.554
ORIGINAL	-870.881 -870.560	-870.881 -870.560
REVISION BY JICA EXPERTS	-870.877 -870.551	-870.877 -870.551
ORIGINAL	-870.857 -870.528	-870.857 -870.528
REVISION BY JICA EXPERTS	-870.822 -870.490	-870.822 -870.490
ORIGINAL	-870.771 -870.438	-870.771 -870.438
REVISION BY JICA EXPERTS	-870.705 -870.371	-870.705 -870.371
ORIGINAL	-870.623 -870.290	-870.623 -870.290
REVISION BY JICA EXPERTS	-870.526 -870.194	-870.526 -870.194
ORIGINAL	-870.414 -870.065	-870.414 -870.065
REVISION BY JICA EXPERTS	-870.286 -869.960	-870.286 -869.960
ORIGINAL	-870.143 -869.822	-870.143 -869.822
REVISION BY JICA EXPERTS	-869.984 -869.668	-869.984 -869.668
ORIGINAL	-869.810 -869.501	-869.810 -869.501
REVISION BY JICA EXPERTS	-869.620 -869.319	-869.620 -869.319
ORIGINAL	-869.415 -869.123	-869.415 -869.123
REVISION BY JICA EXPERTS	-869.194 -868.912	-869.194 -868.912
ORIGINAL	-868.959 -868.687	-868.959 -868.687
REVISION BY JICA EXPERTS	-868.707 -868.448	-868.707 -868.448
ORIGINAL	-868.452 -868.205	-868.452 -868.205
REVISION BY JICA EXPERTS	-868.197 -867.961	-868.197 -867.961
ORIGINAL	-867.942 -867.718	-867.942 -867.718
REVISION BY JICA EXPERTS	-867.686 -867.475	-867.686 -867.475
ORIGINAL	-867.431 -867.232	-867.431 -867.232
REVISION BY JICA EXPERTS	-867.176 -866.989	-867.176 -866.989
ORIGINAL	-866.921 -866.745	-866.921 -866.745
REVISION BY JICA EXPERTS	-866.665 -866.502	-866.665 -866.502
ORIGINAL	-866.410 -866.259	-866.410 -866.259
REVISION BY JICA EXPERTS	-866.155 -866.016	-866.155 -866.016
ORIGINAL	-865.899 -865.773	-865.899 -865.773
REVISION BY JICA EXPERTS	-865.644 -865.529	-865.644 -865.529
ORIGINAL	-865.389 -865.286	-865.389 -865.286
REVISION BY JICA EXPERTS	-865.134 -865.043	-865.134 -865.043
ORIGINAL	-864.878 -864.800	-864.878 -864.800
REVISION BY JICA EXPERTS	-864.623 -864.557	-864.623 -864.557
ORIGINAL	-864.370 -864.315	-864.370 -864.315
REVISION BY JICA EXPERTS	-864.133 -864.089	-864.133 -864.089
ORIGINAL	-863.913 -863.879	-863.913 -863.879
REVISION BY JICA EXPERTS	-863.711 -863.686	-863.711 -863.686
ORIGINAL	-863.527 -863.509	-863.527 -863.509
REVISION BY JICA EXPERTS	-863.361 -863.349	-863.361 -863.349
ORIGINAL	-863.213 -863.206	-863.213 -863.206
REVISION BY JICA EXPERTS	-863.063 -863.079	-863.063 -863.079
ORIGINAL	-862.970 -862.969	-862.970 -862.969
REVISION BY JICA EXPERTS	-862.875 -862.875	-862.875 -862.875
ORIGINAL	-862.796 -862.796	-862.796 -862.796
REVISION BY JICA EXPERTS	-862.719 -862.719	-862.719 -862.719
ORIGINAL	-862.643 -862.643	-862.643 -862.643
REVISION BY JICA EXPERTS	-862.566 -862.566	-862.566 -862.566
ORIGINAL	-862.489 -862.489	-862.489 -862.489
REVISION BY JICA EXPERTS	-862.412 -862.412	-862.412 -862.412
ORIGINAL	-862.335 -862.335	-862.335 -862.335
REVISION BY JICA EXPERTS	-862.258 -862.258	-862.258 -862.258
ORIGINAL	-862.181 -862.181	-862.181 -862.181
REVISION BY JICA EXPERTS	-862.104 -862.104	-862.104 -862.104
ORIGINAL	-862.028 -862.028	-862.028 -862.028
REVISION BY JICA EXPERTS	-861.951 -861.951	-861.951 -861.951
ORIGINAL	-861.874 -861.874	-861.874 -861.874
REVISION BY JICA EXPERTS	-861.797 -861.797	-861.797 -861.797

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-78-J	RD-78	A1	H=1:1000 V=1:100	July 2015
JICA Experts on Bangaluru Peripheral Ring Road Project in India			MAIN ROAD PROFILE CH: 39+900 TO CH: 40+600				



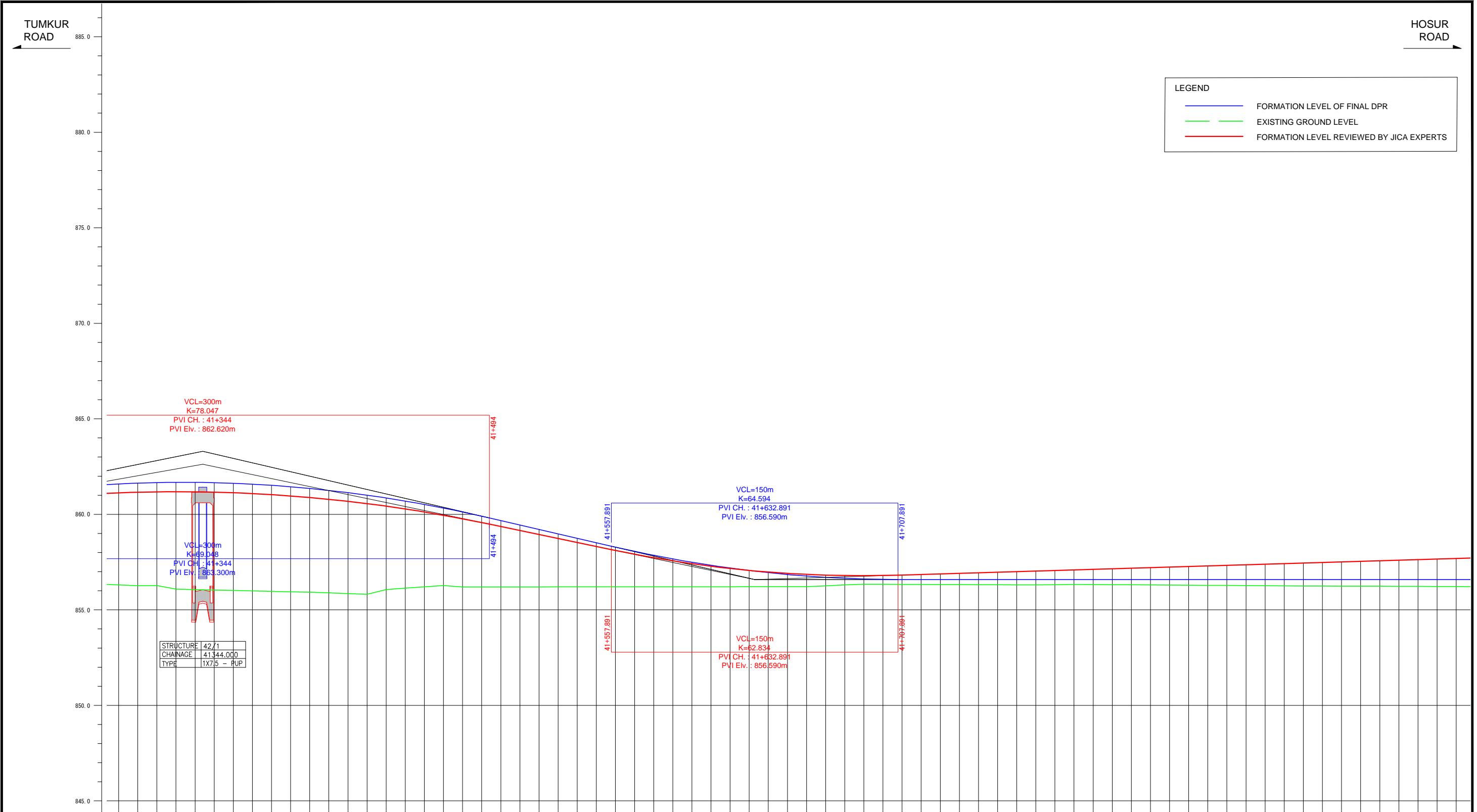
LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

CD. NO	41/1
CHAINAGE	40884.000
TYPE	1X2 BOX

CD. NO	42/1
CHAINAGE	41060.000
TYPE	1X2 BOX

FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	-861.874 -861.874	-861.797 -861.797
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	REVISION BY JICA EXPERTS
	<span style="color: blue;">-0.769% L=562.986m</span>	<span style="color: red;">-0.769% L=562.986m</span>
GROUND LEVEL ALONG REFERENCE LINE	-861.710 -861.710	-861.287 -861.287
CHANAGE	-40+600 -861.710	-40+600 -861.287

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-79-J	RD-79	A1	H=1:1000 V=1:100	July 2015



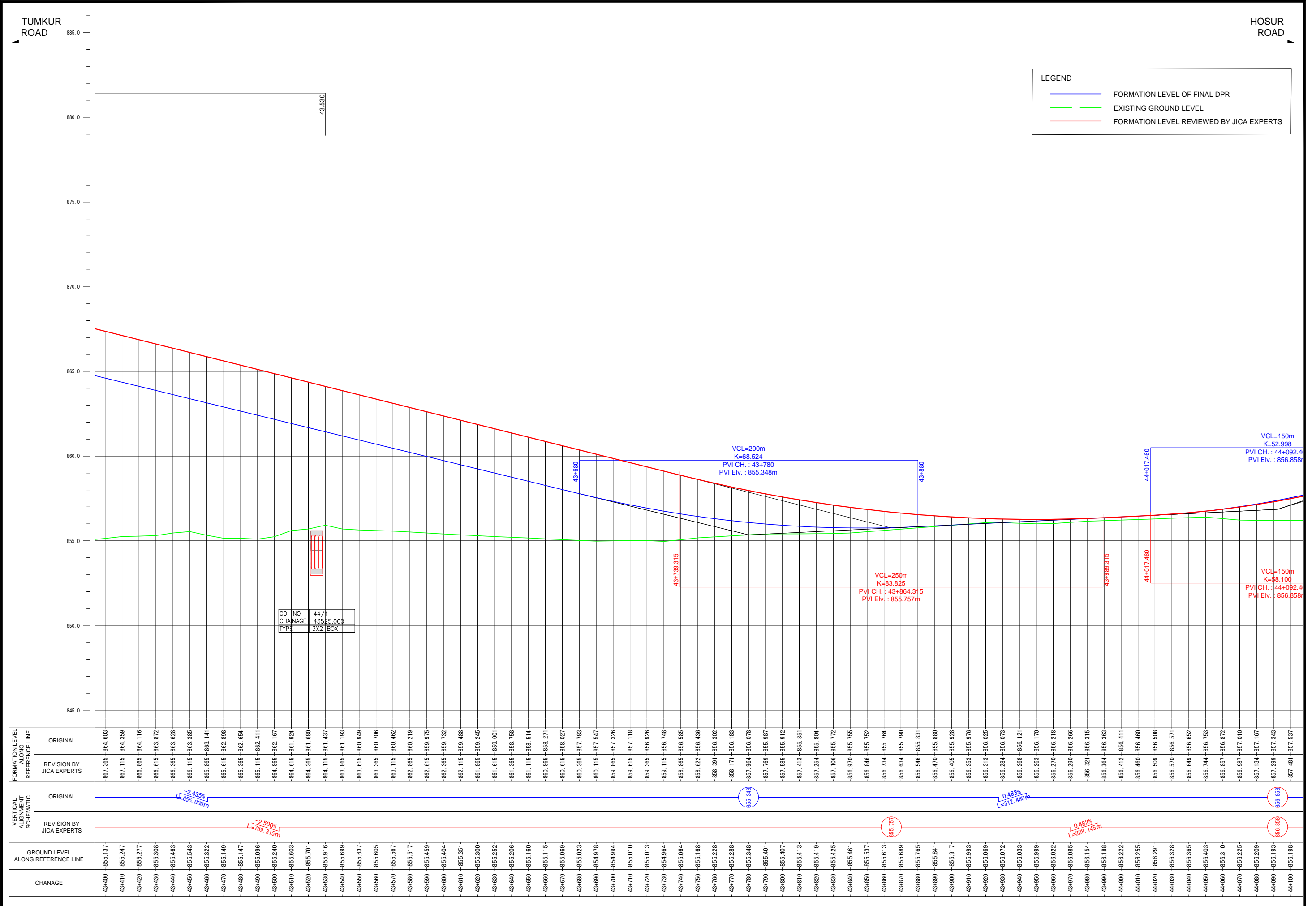
STRUCTURE	42/1
CHAINAGE	41344.000
TYPE	1X7.5 - RUP

FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	-861.127 -861.597	-861.127 -861.597
REVISION BY JICA EXPERTS	-861.161 -861.638	-861.161 -861.638
ORIGINAL	-861.181 -861.665	-861.181 -861.665
REVISION BY JICA EXPERTS	-861.189 -861.678	-861.189 -861.678
ORIGINAL	-861.184 -861.676	-861.184 -861.676
REVISION BY JICA EXPERTS	-861.168 -861.659	-861.168 -861.659
ORIGINAL	-861.138 -861.628	-861.138 -861.628
REVISION BY JICA EXPERTS	-861.092 -861.583	-861.092 -861.583
ORIGINAL	-861.028 -861.523	-861.028 -861.523
REVISION BY JICA EXPERTS	-860.987 -861.448	-860.987 -861.448
ORIGINAL	-860.885 -861.359	-860.885 -861.359
REVISION BY JICA EXPERTS	-860.790 -861.256	-860.790 -861.256
ORIGINAL	-860.683 -861.138	-860.683 -861.138
REVISION BY JICA EXPERTS	-860.563 -861.006	-860.563 -861.006
ORIGINAL	-860.429 -860.859	-860.429 -860.859
REVISION BY JICA EXPERTS	-860.283 -860.698	-860.283 -860.698
ORIGINAL	-860.125 -860.522	-860.125 -860.522
REVISION BY JICA EXPERTS	-859.953 -860.332	-859.953 -860.332
ORIGINAL	-859.769 -860.127	-859.769 -860.127
REVISION BY JICA EXPERTS	-859.572 -859.908	-859.572 -859.908
ORIGINAL	-859.364 -859.677	-859.364 -859.677
REVISION BY JICA EXPERTS	-859.155 -859.444	-859.155 -859.444
ORIGINAL	-858.946 -859.212	-858.946 -859.212
REVISION BY JICA EXPERTS	-858.739 -859.980	-858.739 -859.980
ORIGINAL	-858.529 -858.748	-858.529 -858.748
REVISION BY JICA EXPERTS	-858.320 -858.515	-858.320 -858.515
ORIGINAL	-858.112 -858.283	-858.112 -858.283
REVISION BY JICA EXPERTS	-857.914 -858.062	-857.914 -858.062
ORIGINAL	-857.733 -857.856	-857.733 -857.856
REVISION BY JICA EXPERTS	-857.567 -857.666	-857.567 -857.666
ORIGINAL	-857.418 -857.491	-857.418 -857.491
REVISION BY JICA EXPERTS	-857.284 -857.332	-857.284 -857.332
ORIGINAL	-857.166 -857.188	-857.166 -857.188
REVISION BY JICA EXPERTS	-857.064 -857.080	-857.064 -857.080
ORIGINAL	-856.978 -856.947	-856.978 -856.947
REVISION BY JICA EXPERTS	-856.808 -856.849	-856.808 -856.849
ORIGINAL	-856.854 -856.767	-856.854 -856.767
REVISION BY JICA EXPERTS	-856.816 -856.701	-856.816 -856.701
ORIGINAL	-856.793 -856.650	-856.793 -856.650
REVISION BY JICA EXPERTS	-856.787 -856.615	-856.787 -856.615
ORIGINAL	-856.796 -856.595	-856.796 -856.595
REVISION BY JICA EXPERTS	-856.821 -856.590	-856.821 -856.590
ORIGINAL	-856.851 -856.590	-856.851 -856.590
REVISION BY JICA EXPERTS	-856.881 -856.590	-856.881 -856.590
ORIGINAL	-856.911 -856.590	-856.911 -856.590
REVISION BY JICA EXPERTS	-856.941 -856.589	-856.941 -856.589
ORIGINAL	-856.971 -856.589	-856.971 -856.589
REVISION BY JICA EXPERTS	-857.001 -856.589	-857.001 -856.589
ORIGINAL	-857.031 -856.589	-857.031 -856.589
REVISION BY JICA EXPERTS	-857.061 -856.589	-857.061 -856.589
ORIGINAL	-857.091 -856.589	-857.091 -856.589
REVISION BY JICA EXPERTS	-857.121 -856.589	-857.121 -856.589
ORIGINAL	-857.151 -856.589	-857.151 -856.589
REVISION BY JICA EXPERTS	-857.181 -856.589	-857.181 -856.589
ORIGINAL	-857.211 -856.589	-857.211 -856.589
REVISION BY JICA EXPERTS	-857.241 -856.589	-857.241 -856.589
ORIGINAL	-857.271 -856.589	-857.271 -856.589
REVISION BY JICA EXPERTS	-857.301 -856.589	-857.301 -856.589
ORIGINAL	-857.331 -856.589	-857.331 -856.589
REVISION BY JICA EXPERTS	-857.361 -856.589	-857.361 -856.589
ORIGINAL	-857.391 -856.589	-857.391 -856.589
REVISION BY JICA EXPERTS	-857.421 -856.589	-857.421 -856.589
ORIGINAL	-857.451 -856.589	-857.451 -856.589
REVISION BY JICA EXPERTS	-857.481 -856.589	-857.481 -856.589
ORIGINAL	-857.511 -856.589	-857.511 -856.589
REVISION BY JICA EXPERTS	-857.541 -856.589	-857.541 -856.589
ORIGINAL	-857.571 -856.588	-857.571 -856.588
REVISION BY JICA EXPERTS	-857.601 -856.588	-857.601 -856.588
ORIGINAL	-857.631 -856.588	-857.631 -856.588
REVISION BY JICA EXPERTS	-857.661 -856.588	-857.661 -856.588
ORIGINAL	-857.691 -856.588	-857.691 -856.588
REVISION BY JICA EXPERTS	-857.691 -856.588	-857.691 -856.588

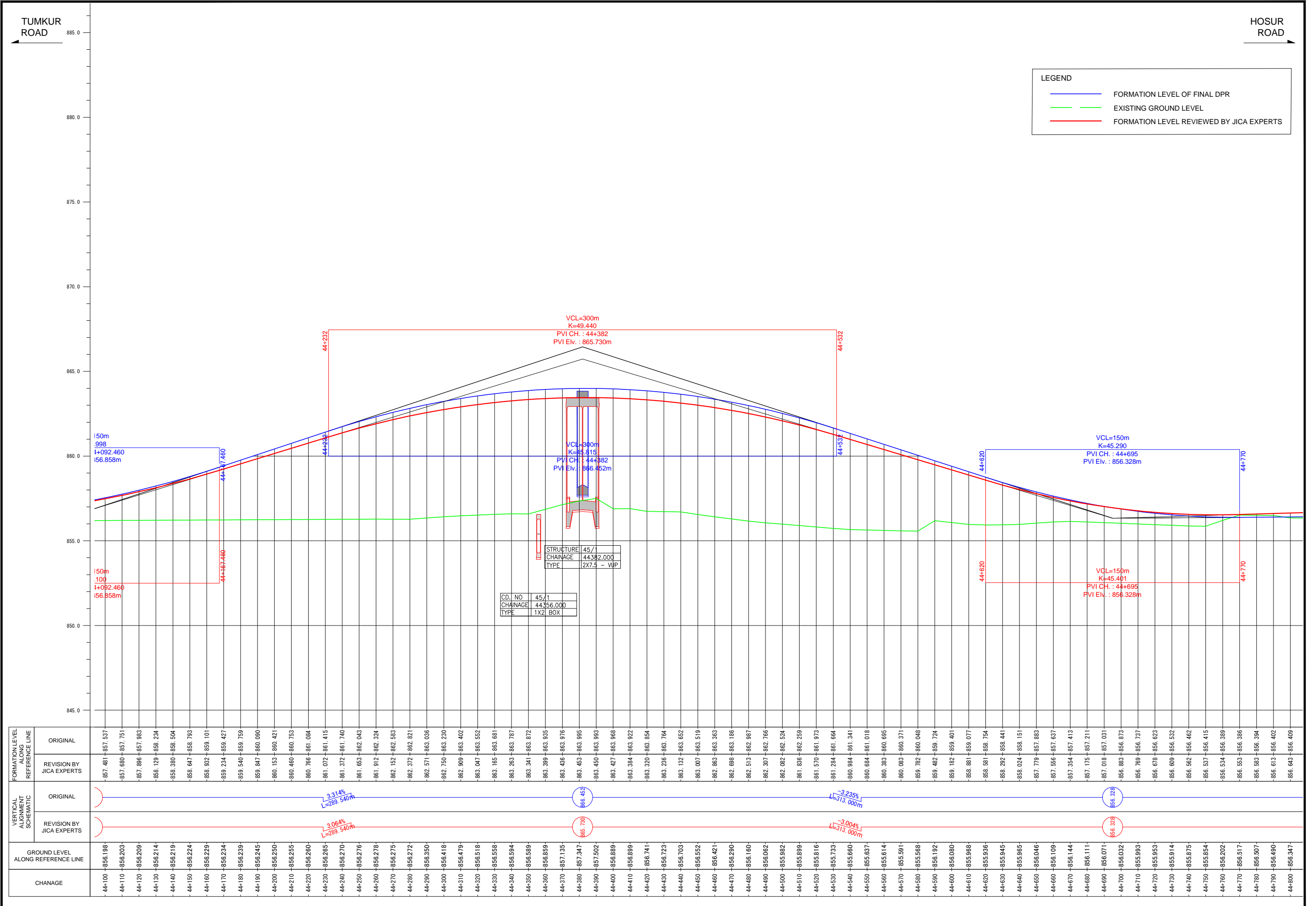
Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-80-J	RD-80	A1	H=1:1000 V=1:100	July 2015





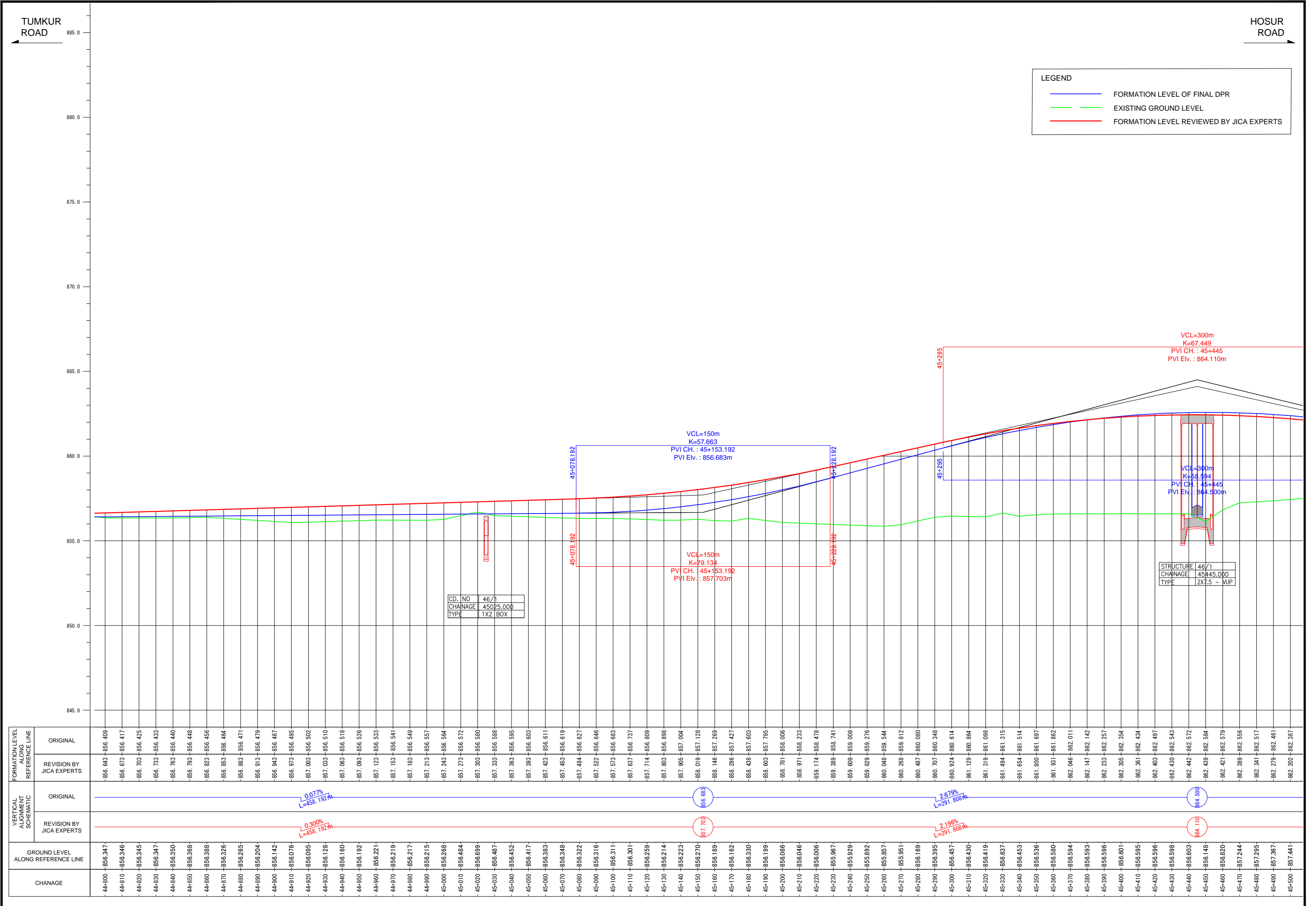


Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 43+400 TO CH: 44+100	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-83-J	RD-83	A1	H=1:1000 V=1:100	July 2015

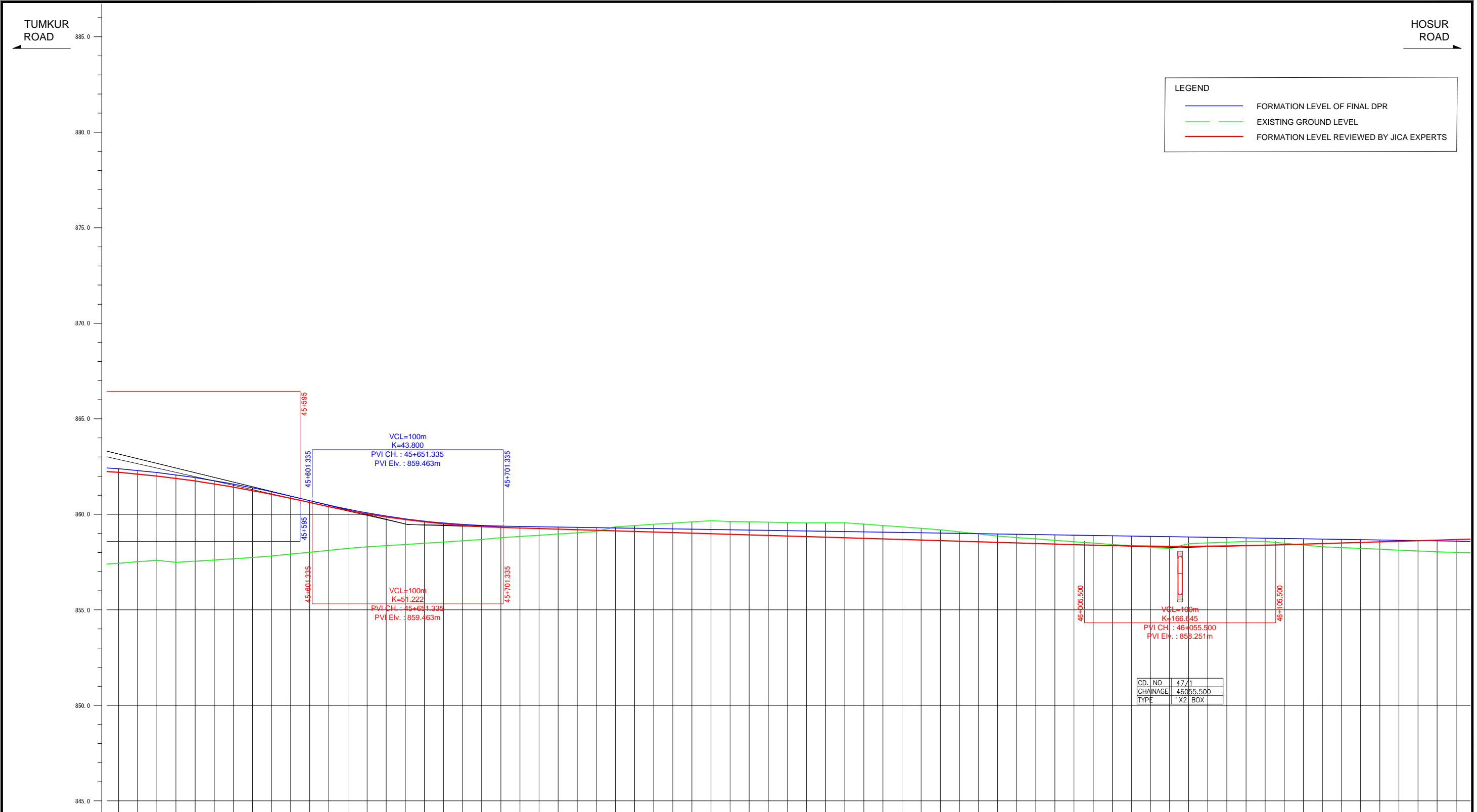


Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-84-J	RD-84	A1	H=1:1000 V=1:100	July 2015



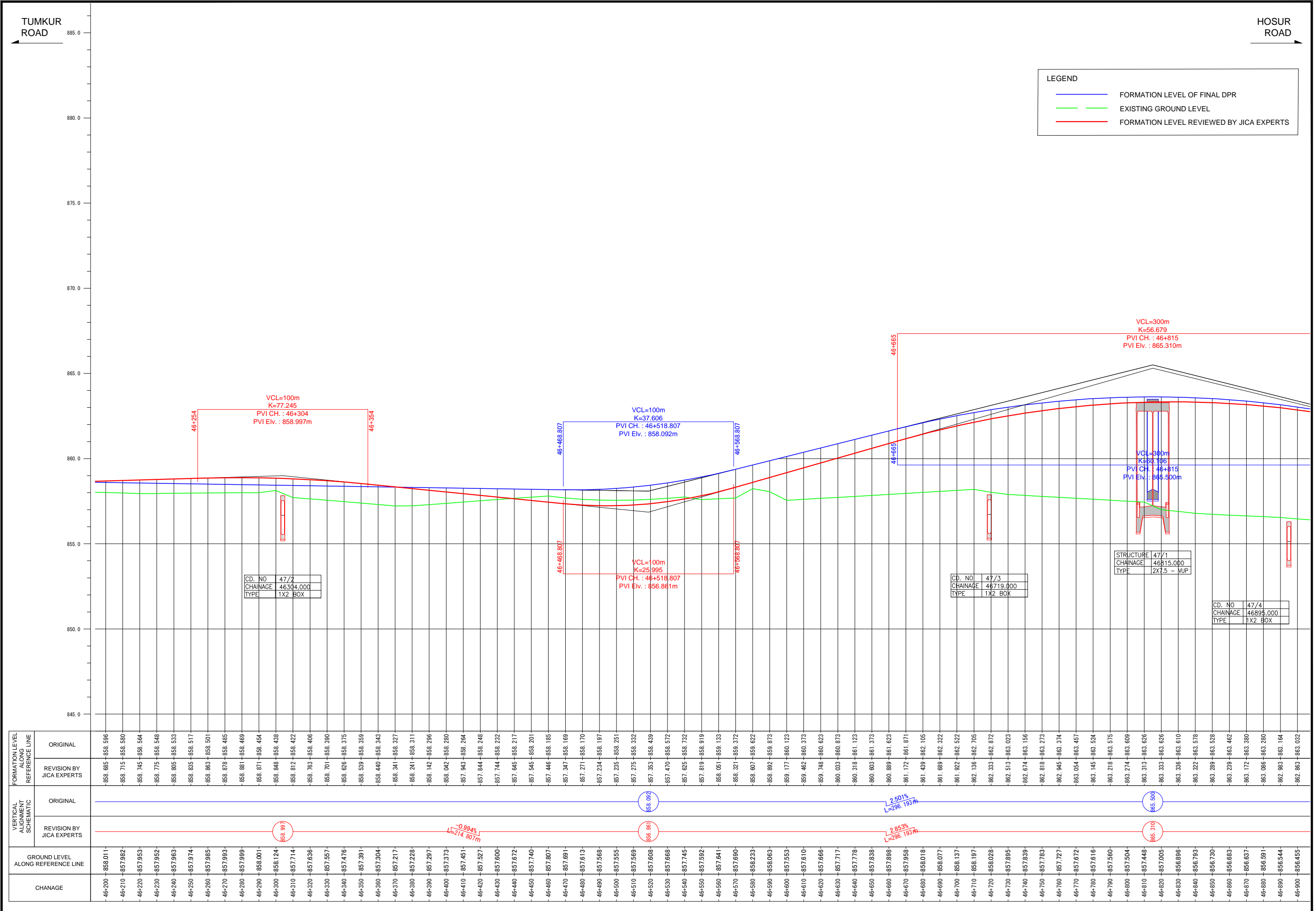


Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-85-J	RD-85	A1	H=1:1000 V=1:100	July 2015

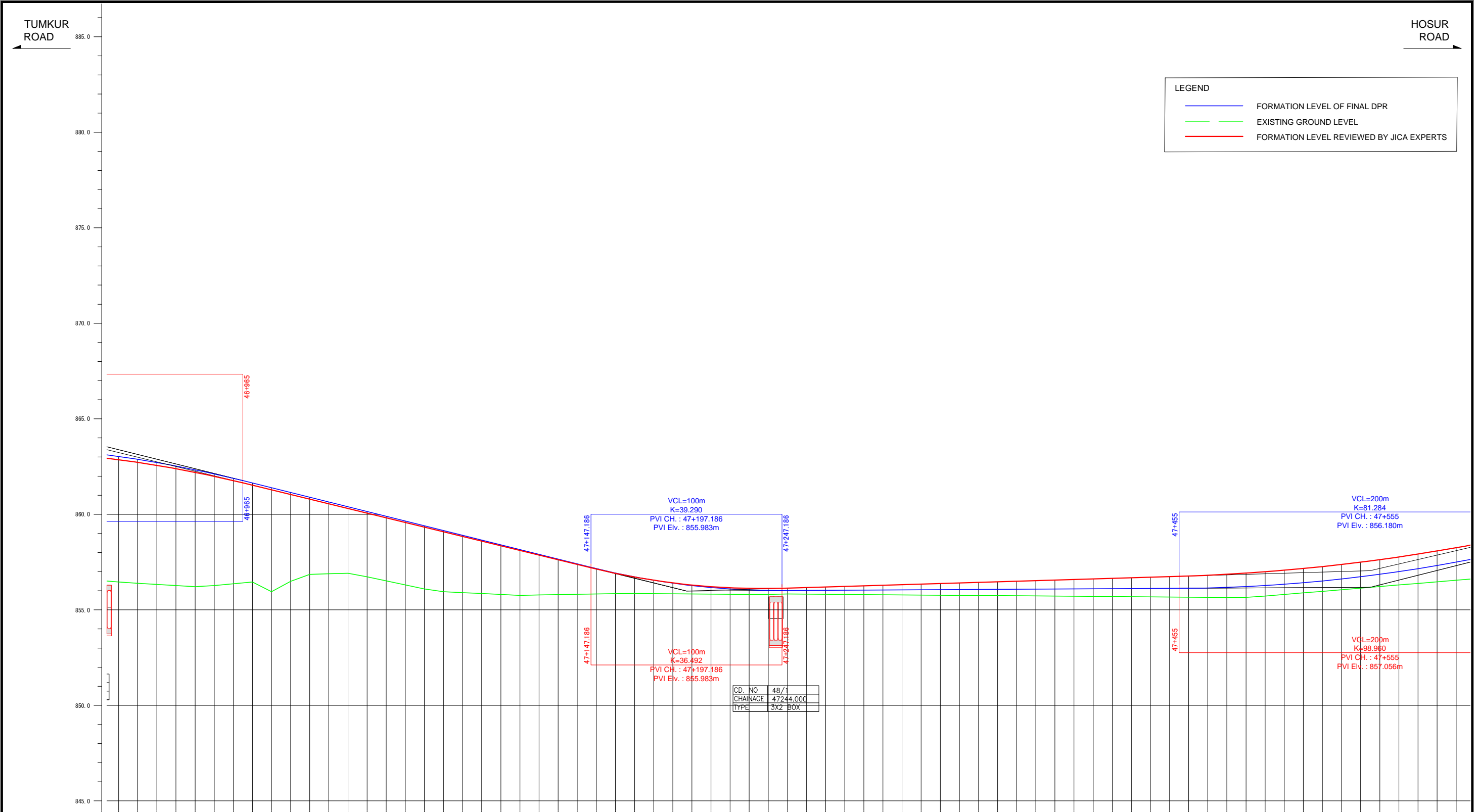


FORMATION LEVEL ALIGNMENT REFERENCE LINE	FORMATION LEVEL	
	ORIGINAL	REVISION BY JICA EXPERTS
882.202	862.387	862.387
862.111	862.297	862.297
862.004	862.189	862.189
861.882	862.064	862.064
861.746	861.923	861.923
861.595	861.764	861.764
861.429	861.588	861.588
861.248	861.395	861.395
861.053	861.185	861.185
860.843	860.958	860.958
860.619	860.716	860.716
860.401	860.481	860.481
860.203	860.268	860.268
860.024	860.078	860.078
859.864	859.910	859.910
859.724	859.766	859.766
859.604	859.644	859.644
859.503	859.546	859.546
859.421	859.470	859.470
859.360	859.417	859.417
859.317	859.386	859.386
859.287	859.370	859.370
859.257	859.354	859.354
859.227	859.339	859.339
859.197	859.323	859.323
859.167	859.307	859.307
859.137	859.291	859.291
859.107	859.275	859.275
859.077	859.260	859.260
859.047	859.244	859.244
859.017	859.228	859.228
858.987	859.212	859.212
858.957	859.196	859.196
858.927	859.181	859.181
858.897	859.165	859.165
858.867	859.149	859.149
858.837	859.133	859.133
858.807	859.117	859.117
858.777	859.102	859.102
858.747	859.086	859.086
858.717	859.070	859.070
858.687	859.054	859.054
858.657	859.038	859.038
858.627	859.023	859.023
858.597	859.007	859.007
858.567	858.991	858.991
858.537	858.975	858.975
858.507	858.959	858.959
858.477	858.944	858.944
858.447	858.928	858.928
858.417	858.912	858.912
858.388	858.896	858.896
858.364	858.880	858.880
858.345	858.865	858.865
858.333	858.849	858.849
858.327	858.833	858.833
858.327	858.817	858.817
858.322	858.801	858.801
858.344	858.786	858.786
858.362	858.770	858.770
858.385	858.754	858.754
858.415	858.738	858.738
858.445	858.722	858.722
858.475	858.706	858.706
858.505	858.691	858.691
858.535	858.675	858.675
858.565	858.659	858.659
858.595	858.643	858.643
858.625	858.627	858.627
858.655	858.612	858.612
858.685	858.596	858.596

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-86-J	RD-86	A1	H=1:1000 V=1:100	July 2015

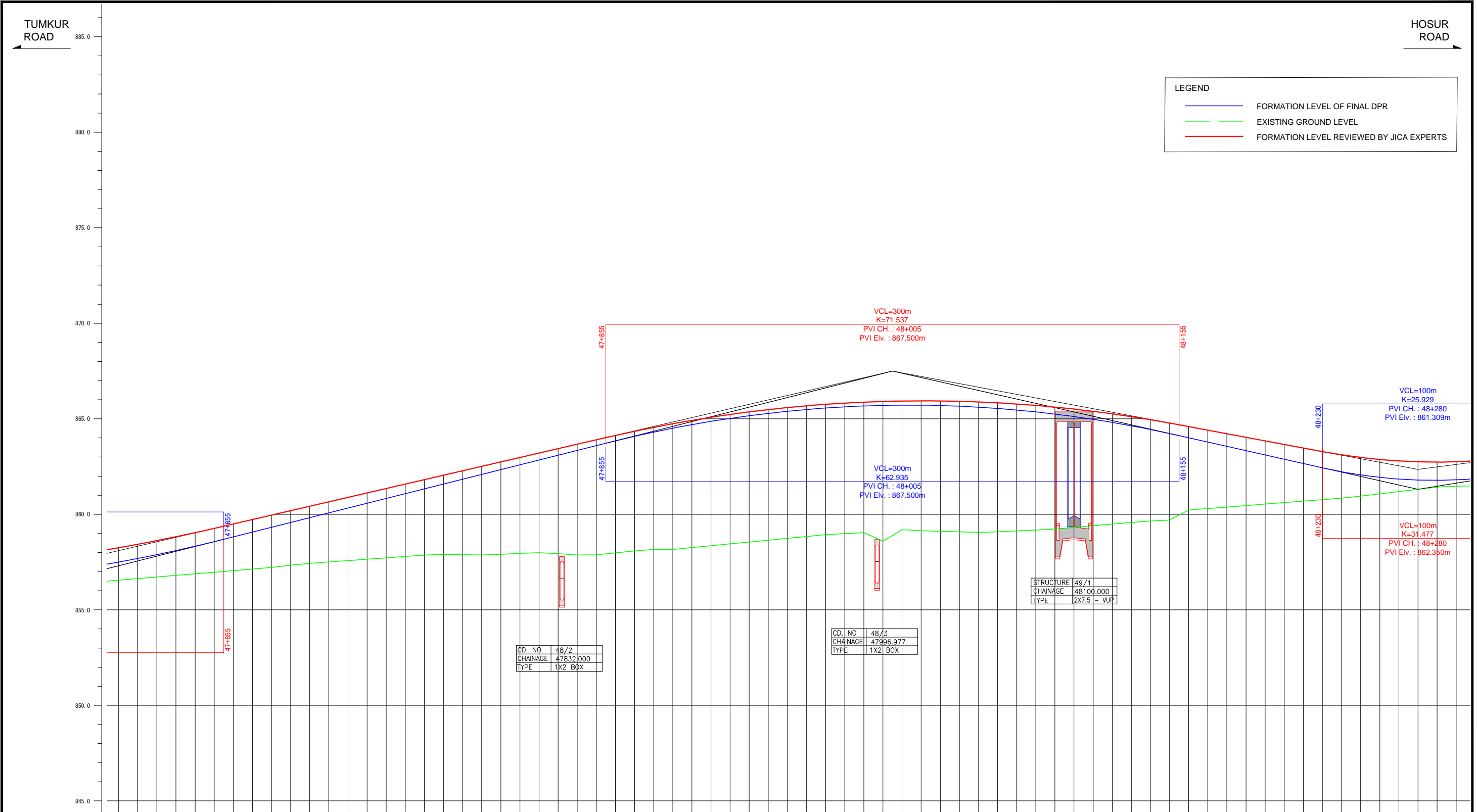


Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-87-J	RD-87	A1	H=1:1000 V=1:100	July 2015



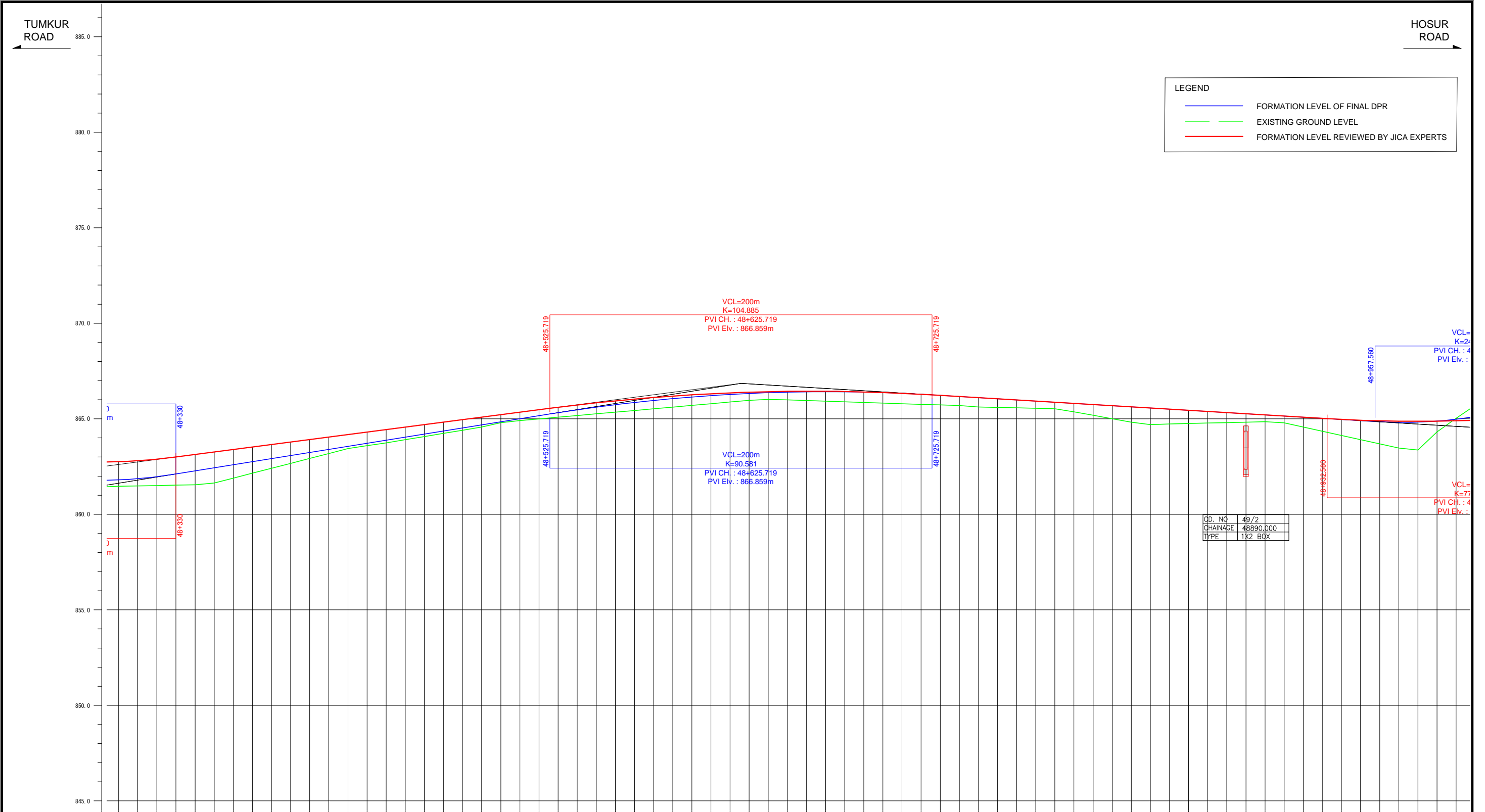
FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	-862.863 -863.032	-862.863 -863.032
REVISION BY JICA EXPERTS	-862.725 -862.883	-862.725 -862.883
ORIGINAL	-862.569 -862.717	-862.569 -862.717
REVISION BY JICA EXPERTS	-862.395 -862.534	-862.395 -862.534
ORIGINAL	-862.204 -862.335	-862.204 -862.335
REVISION BY JICA EXPERTS	-861.995 -862.120	-861.995 -862.120
ORIGINAL	-861.769 -861.887	-861.769 -861.887
REVISION BY JICA EXPERTS	-861.527 -861.640	-861.527 -861.640
ORIGINAL	-861.283 -861.391	-861.283 -861.391
REVISION BY JICA EXPERTS	-861.039 -861.142	-861.039 -861.142
ORIGINAL	-860.795 -860.893	-860.795 -860.893
REVISION BY JICA EXPERTS	-860.551 -860.644	-860.551 -860.644
ORIGINAL	-860.307 -860.395	-860.307 -860.395
REVISION BY JICA EXPERTS	-860.063 -860.146	-860.063 -860.146
ORIGINAL	-859.819 -859.897	-859.819 -859.897
REVISION BY JICA EXPERTS	-859.575 -859.648	-859.575 -859.648
ORIGINAL	-859.331 -859.399	-859.331 -859.399
REVISION BY JICA EXPERTS	-859.087 -859.150	-859.087 -859.150
ORIGINAL	-858.843 -858.901	-858.843 -858.901
REVISION BY JICA EXPERTS	-858.599 -858.652	-858.599 -858.652
ORIGINAL	-858.355 -858.403	-858.355 -858.403
REVISION BY JICA EXPERTS	-858.111 -858.154	-858.111 -858.154
ORIGINAL	-857.867 -857.905	-857.867 -857.905
REVISION BY JICA EXPERTS	-857.623 -857.656	-857.623 -857.656
ORIGINAL	-857.379 -857.407	-857.379 -857.407
REVISION BY JICA EXPERTS	-857.136 -857.159	-857.136 -857.159
ORIGINAL	-856.913 -856.930	-856.913 -856.930
REVISION BY JICA EXPERTS	-856.671 -856.686	-856.671 -856.686
ORIGINAL	-856.441 -856.457	-856.441 -856.457
REVISION BY JICA EXPERTS	-856.201 -856.203	-856.201 -856.203
ORIGINAL	-856.201 -856.203	-856.201 -856.203
REVISION BY JICA EXPERTS	-856.122 -856.039	-856.122 -856.039
ORIGINAL	-856.118 -856.013	-856.118 -856.013
REVISION BY JICA EXPERTS	-856.141 -856.012	-856.141 -856.012
ORIGINAL	-856.171 -856.018	-856.171 -856.018
REVISION BY JICA EXPERTS	-856.201 -856.023	-856.201 -856.023
ORIGINAL	-856.201 -856.023	-856.201 -856.023
REVISION BY JICA EXPERTS	-856.231 -856.029	-856.231 -856.029
ORIGINAL	-856.261 -856.034	-856.261 -856.034
REVISION BY JICA EXPERTS	-856.291 -856.040	-856.291 -856.040
ORIGINAL	-856.321 -856.045	-856.321 -856.045
REVISION BY JICA EXPERTS	-856.351 -856.051	-856.351 -856.051
ORIGINAL	-856.381 -856.056	-856.381 -856.056
REVISION BY JICA EXPERTS	-856.411 -856.062	-856.411 -856.062
ORIGINAL	-856.441 -856.067	-856.441 -856.067
REVISION BY JICA EXPERTS	-856.471 -856.073	-856.471 -856.073
ORIGINAL	-856.501 -856.078	-856.501 -856.078
REVISION BY JICA EXPERTS	-856.531 -856.084	-856.531 -856.084
ORIGINAL	-856.561 -856.089	-856.561 -856.089
REVISION BY JICA EXPERTS	-856.591 -856.095	-856.591 -856.095
ORIGINAL	-856.621 -856.100	-856.621 -856.100
REVISION BY JICA EXPERTS	-856.651 -856.106	-856.651 -856.106
ORIGINAL	-856.681 -856.111	-856.681 -856.111
REVISION BY JICA EXPERTS	-856.711 -856.117	-856.711 -856.117
ORIGINAL	-856.741 -856.122	-856.741 -856.122
REVISION BY JICA EXPERTS	-856.772 -856.129	-856.772 -856.129
ORIGINAL	-856.812 -856.147	-856.812 -856.147
REVISION BY JICA EXPERTS	-856.863 -856.177	-856.863 -856.177
ORIGINAL	-856.923 -856.220	-856.923 -856.220
REVISION BY JICA EXPERTS	-856.993 -856.274	-856.993 -856.274
ORIGINAL	-857.074 -856.341	-857.074 -856.341
REVISION BY JICA EXPERTS	-857.165 -856.421	-857.165 -856.421
ORIGINAL	-857.265 -856.512	-857.265 -856.512
REVISION BY JICA EXPERTS	-857.376 -856.616	-857.376 -856.616
ORIGINAL	-857.497 -856.732	-857.497 -856.732
REVISION BY JICA EXPERTS	-857.628 -856.861	-857.628 -856.861
ORIGINAL	-857.769 -857.002	-857.769 -857.002
REVISION BY JICA EXPERTS	-857.920 -857.155	-857.920 -857.155
ORIGINAL	-858.082 -857.320	-858.082 -857.320
REVISION BY JICA EXPERTS	-858.253 -857.498	-858.253 -857.498

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-88-J	RD-88	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	[Profile Line]	
REVISION BY JICA EXPERTS	[Profile Line]	
GROUND LEVEL ALONG REFERENCE LINE	[Profile Line]	
CHANAGE	[Profile Line]	

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 47+600 TO CH: 48+300	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-89-J	RD-89	A1	H=1:1000 V=1:100	July 2015



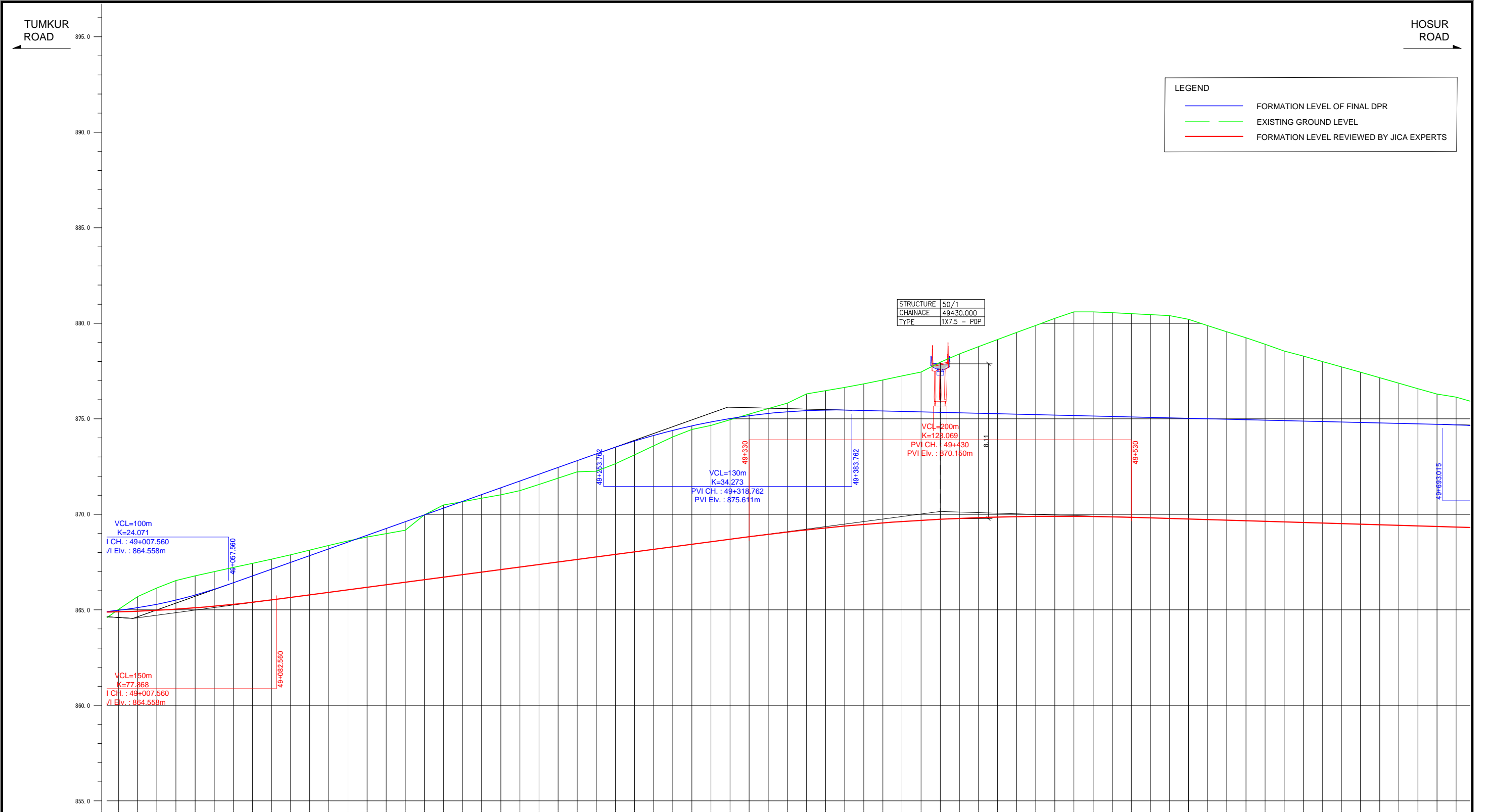
**LEGEND**

- FORMATION LEVEL OF FINAL DPR
- EXISTING GROUND LEVEL
- FORMATION LEVEL REVIEWED BY JICA EXPERTS

CD. NO	49/2
CHAINAGE	48890.000
TYPE	1X2 BOX

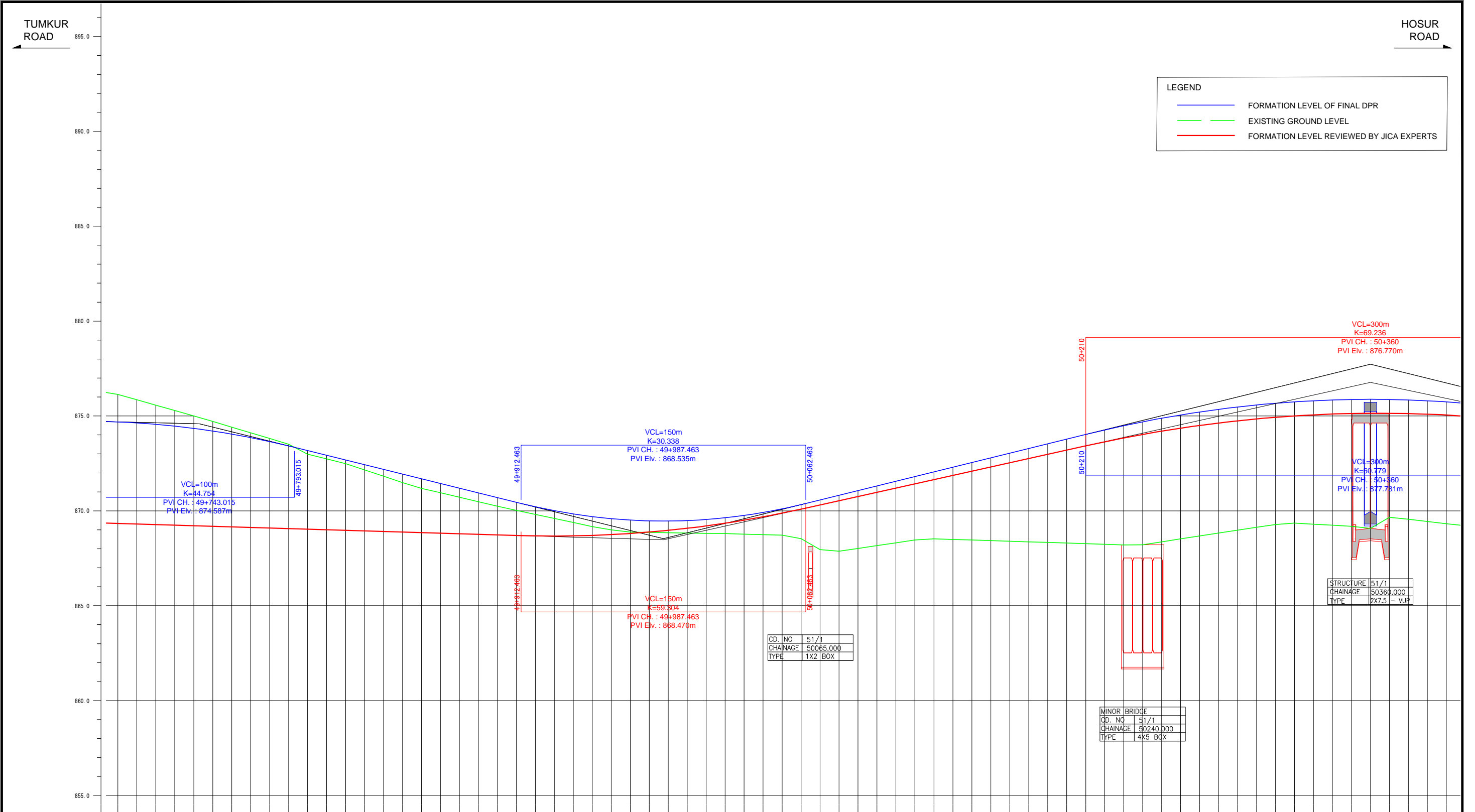
FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	862.754-861.804	862.754-861.804
862.905-861.868	862.905-861.868	862.905-861.868
862.888-861.970	862.888-861.970	862.888-861.970
863.002-862.112	863.002-862.112	863.002-862.112
863.133-862.272	863.133-862.272	863.133-862.272
863.263-862.433	863.263-862.433	863.263-862.433
863.393-862.593	863.393-862.593	863.393-862.593
863.524-862.754	863.524-862.754	863.524-862.754
863.654-862.914	863.654-862.914	863.654-862.914
863.785-863.075	863.785-863.075	863.785-863.075
863.915-863.235	863.915-863.235	863.915-863.235
864.046-863.396	864.046-863.396	864.046-863.396
864.176-863.556	864.176-863.556	864.176-863.556
864.298-864.359	864.298-864.359	864.298-864.359
864.428-864.520	864.428-864.520	864.428-864.520
864.558-864.680	864.558-864.680	864.558-864.680
864.719-864.841	864.719-864.841	864.719-864.841
864.961-865.001	864.961-865.001	864.961-865.001
865.139-865.162	865.139-865.162	865.139-865.162
865.291-865.321	865.291-865.321	865.291-865.321
865.471-865.472	865.471-865.472	865.471-865.472
865.583-865.611	865.583-865.611	865.583-865.611
865.721-865.739	865.721-865.739	865.721-865.739
865.886-865.856	865.886-865.856	865.886-865.856
866.021-865.982	866.021-865.982	866.021-865.982
866.122-866.058	866.122-866.058	866.122-866.058
866.196-866.058	866.196-866.058	866.196-866.058
866.261-866.142	866.261-866.142	866.261-866.142
866.315-866.215	866.315-866.215	866.315-866.215
866.361-866.277	866.361-866.277	866.361-866.277
866.396-866.327	866.396-866.327	866.396-866.327
866.423-866.367	866.423-866.367	866.423-866.367
866.439-866.396	866.439-866.396	866.439-866.396
866.447-866.414	866.447-866.414	866.447-866.414
866.444-866.421	866.444-866.421	866.444-866.421
866.423-866.417	866.423-866.417	866.423-866.417
866.411-866.401	866.411-866.401	866.411-866.401
866.380-866.375	866.380-866.375	866.380-866.375
866.339-866.337	866.339-866.337	866.339-866.337
866.289-866.289	866.289-866.289	866.289-866.289
866.231-866.231	866.231-866.231	866.231-866.231
866.170-866.170	866.170-866.170	866.170-866.170
866.110-866.110	866.110-866.110	866.110-866.110
866.050-866.050	866.050-866.050	866.050-866.050
865.990-865.990	865.990-865.990	865.990-865.990
865.929-865.929	865.929-865.929	865.929-865.929
865.869-865.869	865.869-865.869	865.869-865.869
865.809-865.809	865.809-865.809	865.809-865.809
865.749-865.749	865.749-865.749	865.749-865.749
865.688-865.688	865.688-865.688	865.688-865.688
865.628-865.628	865.628-865.628	865.628-865.628
865.568-865.568	865.568-865.568	865.568-865.568
865.507-865.507	865.507-865.507	865.507-865.507
865.447-865.447	865.447-865.447	865.447-865.447
865.387-865.387	865.387-865.387	865.387-865.387
865.327-865.327	865.327-865.327	865.327-865.327
865.266-865.266	865.266-865.266	865.266-865.266
865.206-865.206	865.206-865.206	865.206-865.206
865.146-865.146	865.146-865.146	865.146-865.146
865.086-865.086	865.086-865.086	865.086-865.086
865.025-865.025	865.025-865.025	865.025-865.025
864.969-864.965	864.969-864.965	864.969-864.965
864.924-864.905	864.924-864.905	864.924-864.905
864.883-864.846	864.883-864.846	864.883-864.846
864.874-864.816	864.874-864.816	864.874-864.816
864.869-864.829	864.869-864.829	864.869-864.829
864.876-864.882	864.876-864.882	864.876-864.882
864.895-864.978	864.895-864.978	864.895-864.978

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-90-J	RD-90	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	-864.986 -864.978 -864.928 -865.115 -864.974 -865.293 -865.022 -865.513 -865.104 -865.774 -865.188 -866.077 -865.285 -866.421 -865.395 -866.776 -865.517 -867.131 -865.649 -867.486 -865.782 -867.841 -865.914 -868.196 -866.046 -868.552 -866.179 -868.907 -866.311 -869.262 -866.444 -869.617 -866.576 -869.972 -866.708 -870.327 -866.841 -870.683 -866.973 -871.038 -867.105 -871.393 -867.238 -871.748 -867.370 -872.103 -867.502 -872.458 -867.635 -872.814 -867.767 -873.169 -867.900 -873.518 -868.032 -873.871 -868.164 -874.124 -868.297 -874.388 -868.429 -874.633 -868.562 -874.838 -868.694 -875.015 -868.826 -875.162 -868.955 -875.280 -869.075 -875.369 -869.187 -875.429 -869.291 -875.460 -869.387 -875.461 -869.474 -875.439 -869.554 -875.415 -869.625 -875.391 -869.689 -875.367 -869.744 -875.343 -869.791 -875.318 -869.830 -875.294 -869.861 -875.270 -869.883 -875.246 -869.898 -875.222 -869.904 -875.198 -869.902 -875.174 -869.893 -875.149 -869.875 -875.125 -869.849 -875.101 -869.818 -875.077 -869.788 -875.053 -869.759 -875.029 -869.728 -875.005 -869.696 -874.980 -869.668 -874.956 -869.639 -874.932 -869.608 -874.908 -869.577 -874.884 -869.547 -874.860 -869.517 -874.836 -869.487 -874.812 -869.457 -874.787 -869.427 -874.763 -869.397 -874.739 -869.366 -874.715 -869.335 -874.685	-864.558 -864.558
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL -3.552% L=311.202m 875.611 -0.241% L=424.253m	REVISION BY JICA EXPERTS -1.324% L=422.440m 870.150 -0.557% L=30
GROUND LEVEL ALONG REFERENCE LINE	-865.000 -865.030 -865.010 -865.098 -865.020 -866.143 -865.030 -866.533 -865.040 -866.784 -865.050 -867.000 -865.060 -867.218 -865.070 -867.437 -865.080 -867.655 -865.090 -867.884 -865.100 -868.129 -865.110 -868.373 -865.120 -868.612 -865.130 -868.812 -865.140 -868.990 -865.150 -869.167 -865.160 -869.372 -865.170 -870.487 -865.180 -870.662 -865.190 -870.841 -865.200 -871.022 -865.210 -871.240 -865.220 -871.568 -865.230 -871.896 -865.240 -872.224 -865.250 -872.263 -865.260 -872.647 -865.270 -873.116 -865.280 -873.586 -865.290 -874.055 -865.300 -874.442 -865.310 -874.652 -865.320 -874.948 -865.330 -875.244 -865.340 -875.539 -865.350 -875.824 -865.360 -876.307 -865.370 -876.475 -865.380 -876.644 -865.390 -876.830 -865.400 -877.036 -865.410 -877.242 -865.420 -877.447 -865.430 -877.966 -865.440 -878.399 -865.450 -878.776 -865.460 -879.149 -865.470 -879.521 -865.480 -879.891 -865.490 -880.259 -865.500 -880.597 -865.510 -880.905 -865.520 -880.552 -865.530 -880.506 -865.540 -880.457 -865.550 -880.404 -865.560 -880.211 -865.570 -879.880 -865.580 -879.558 -865.590 -879.247 -865.600 -878.909 -865.610 -878.548 -865.620 -878.286 -865.630 -878.000 -865.640 -877.722 -865.650 -877.440 -865.660 -877.153 -865.670 -876.866 -865.680 -876.581 -865.690 -876.294 -865.700 -876.135	
CHANAGE	49+000 49+010 49+020 49+030 49+040 49+050 49+060 49+070 49+080 49+090 49+100 49+110 49+120 49+130 49+140 49+150 49+160 49+170 49+180 49+190 49+200 49+210 49+220 49+230 49+240 49+250 49+260 49+270 49+280 49+290 49+300 49+310 49+320 49+330 49+340 49+350 49+360 49+370 49+380 49+390 49+400 49+410 49+420 49+430 49+440 49+450 49+460 49+470 49+480 49+490 49+500 49+510 49+520 49+530 49+540 49+550 49+560 49+570 49+580 49+590 49+600 49+610 49+620 49+630 49+640 49+650 49+660 49+670 49+680 49+690 49+700	

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 49+000 TO CH: 49+700	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-91-J	RD-91	A1	H=1:1000 V=1:100	July 2015

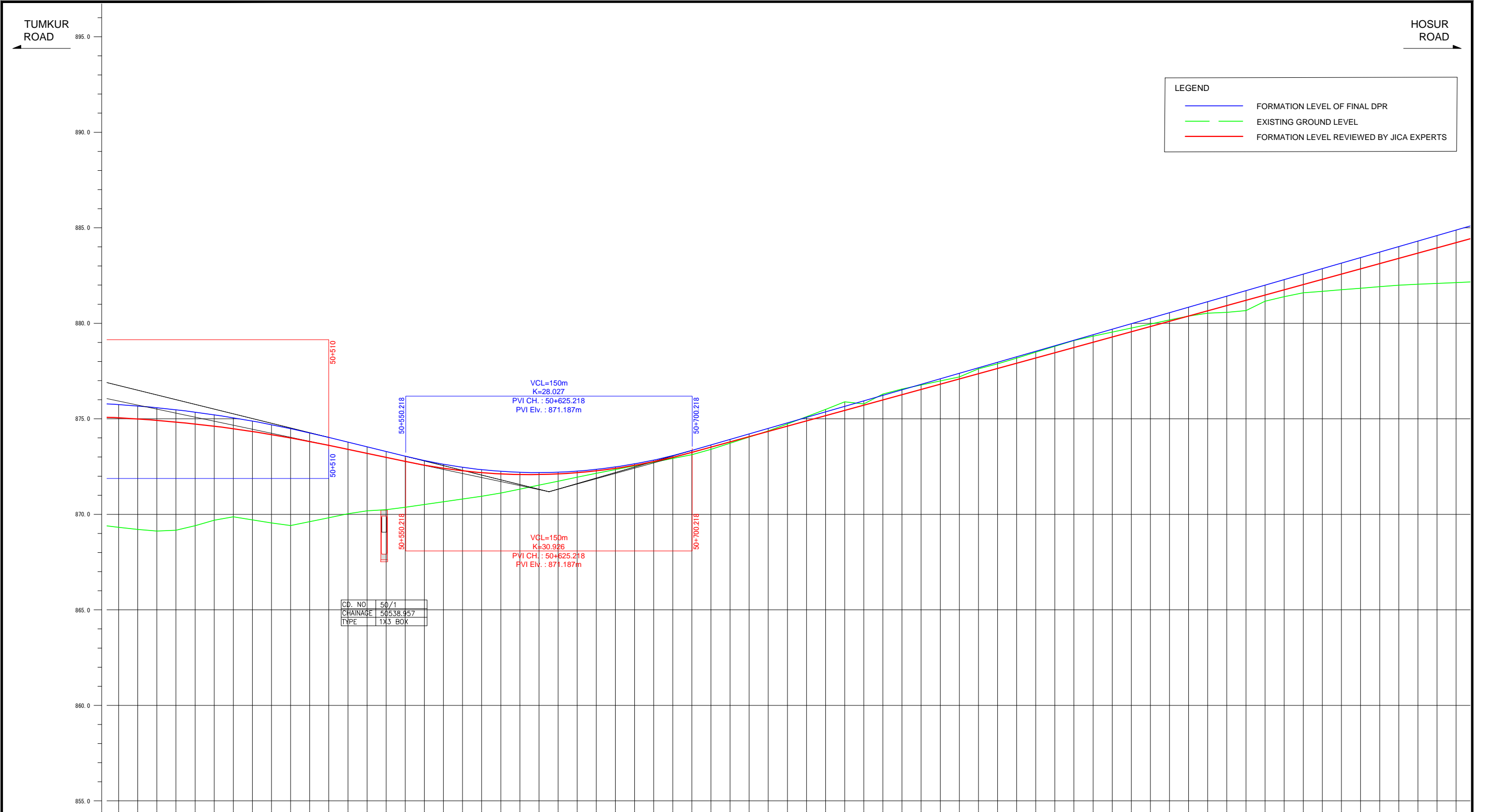


FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	874.887	-2.476% L=244.448m
REVISION BY JICA EXPERTS		-0.301% L=557.463m
ORIGINAL	868.535	2.468% L=372.537m
REVISION BY JICA EXPERTS	868.470	2.228% L=372.537m
ORIGINAL	876.737	
REVISION BY JICA EXPERTS	876.770	

FORMATION LEVEL REFERENCE LINE	GROUND LEVEL ALONG REFERENCE LINE	CHANAGE
869.335	876.135	49+700
869.306	875.853	49+710
869.276	875.571	49+720
869.246	875.288	49+730
869.216	875.006	49+740
869.186	874.713	49+750
869.155	874.413	49+760
869.125	874.114	49+770
869.095	873.815	49+780
869.065	873.516	49+790
869.035	873.217	49+800
869.005	872.929	49+810
868.975	872.681	49+820
868.945	872.433	49+830
868.914	872.186	49+840
868.884	871.938	49+850
868.854	871.691	49+860
868.824	871.443	49+870
868.794	871.196	49+880
868.764	870.948	49+890
868.734	870.700	49+900
868.703	870.453	49+910
868.678	870.215	49+920
868.669	870.008	49+930
868.677	869.835	49+940
868.702	869.695	49+950
868.743	869.587	49+960
868.802	869.513	49+970
868.877	869.472	49+980
868.969	869.463	49+990
869.078	869.487	50+000
869.204	869.545	50+010
869.347	869.635	50+020
869.507	869.759	50+030
869.683	869.915	50+040
869.876	870.104	50+050
870.087	870.327	50+060
870.309	870.572	50+070
870.552	870.819	50+080
870.754	871.066	50+090
870.977	871.313	50+100
871.200	871.560	50+110
871.423	871.807	50+120
871.646	872.053	50+130
871.868	872.300	50+140
872.091	872.547	50+150
872.314	872.794	50+160
872.537	873.041	50+170
872.760	873.288	50+180
872.982	873.535	50+190
873.205	873.781	50+200
873.428	874.028	50+210
873.644	874.267	50+220
873.845	874.489	50+230
874.031	874.695	50+240
874.204	874.884	50+250
874.361	875.057	50+260
874.505	875.213	50+270
874.634	875.353	50+280
874.748	875.477	50+290
874.848	875.584	50+300
874.934	875.674	50+310
875.005	875.748	50+320
875.062	875.806	50+330
875.104	875.847	50+340
875.132	875.872	50+350
875.145	875.880	50+360
875.144	875.872	50+370
875.129	875.847	50+380
875.099	875.806	50+390
875.054	875.749	50+400

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD PROFILE CH: 49+700 TO CH: 50+400	RD-92-J	RD-92	A1	H=1:1000 V=1:100	July 2015



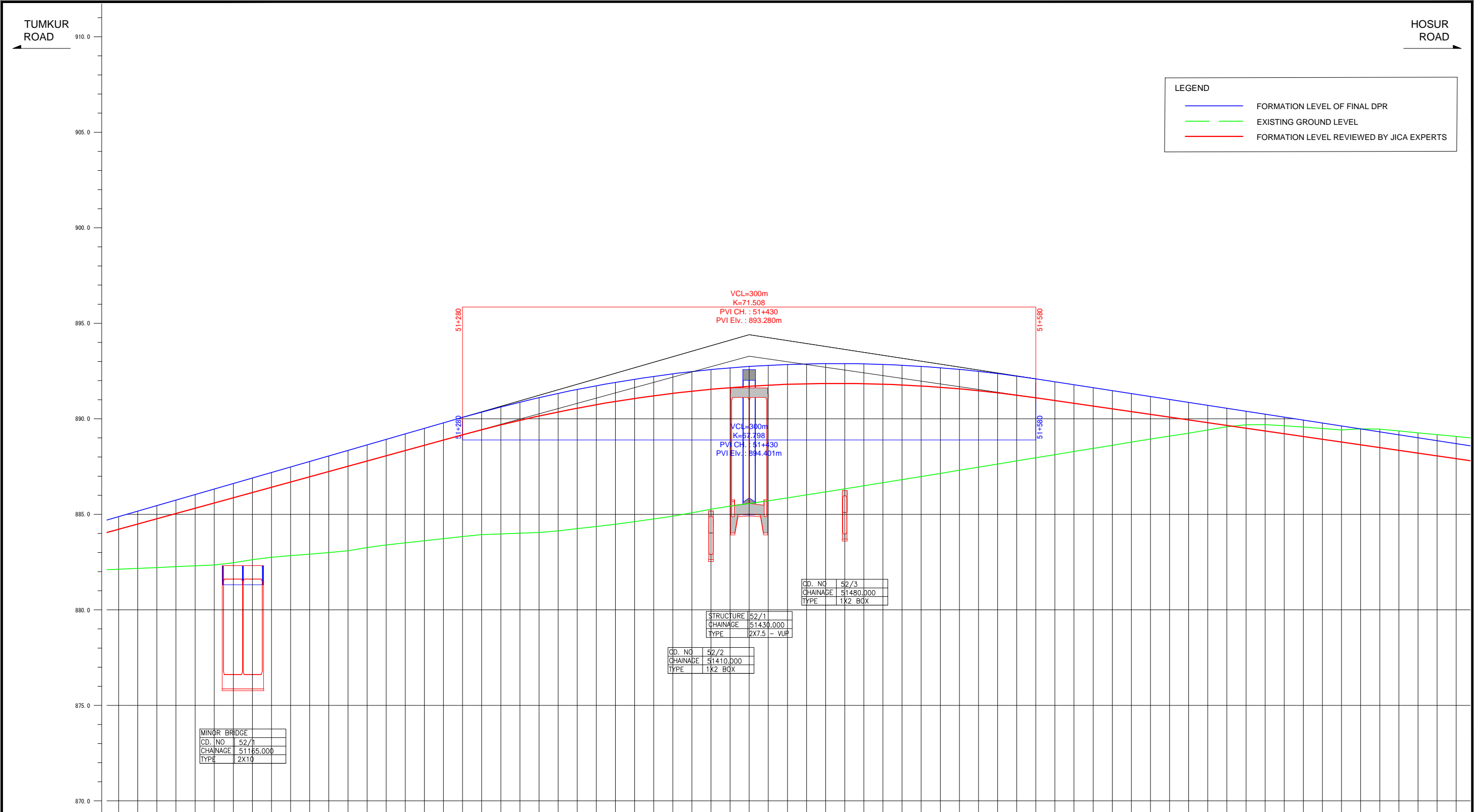


LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

CD. NO.	50/1
CHAINAGE	50+538.957
TYPE	1X3 BOX

FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	-875.054 -875.749	-875.054 -875.749
REVISION BY JICA EXPERTS	-874.995 -875.675	-874.995 -875.675
ORIGINAL	-874.922 -875.584	-874.922 -875.584
REVISION BY JICA EXPERTS	-874.834 -875.477	-874.834 -875.477
ORIGINAL	-874.732 -875.354	-874.732 -875.354
REVISION BY JICA EXPERTS	-874.615 -875.214	-874.615 -875.214
ORIGINAL	-874.484 -875.068	-874.484 -875.068
REVISION BY JICA EXPERTS	-874.339 -874.885	-874.339 -874.885
ORIGINAL	-874.179 -874.696	-874.179 -874.696
REVISION BY JICA EXPERTS	-874.005 -874.490	-874.005 -874.490
ORIGINAL	-873.816 -874.268	-873.816 -874.268
REVISION BY JICA EXPERTS	-873.612 -874.030	-873.612 -874.030
ORIGINAL	-873.402 -873.783	-873.402 -873.783
REVISION BY JICA EXPERTS	-873.191 -873.536	-873.191 -873.536
ORIGINAL	-872.981 -873.290	-872.981 -873.290
REVISION BY JICA EXPERTS	-872.770 -873.043	-872.770 -873.043
ORIGINAL	-872.575 -872.813	-872.575 -872.813
REVISION BY JICA EXPERTS	-872.413 -872.619	-872.413 -872.619
ORIGINAL	-872.282 -872.461	-872.282 -872.461
REVISION BY JICA EXPERTS	-872.184 -872.338	-872.184 -872.338
ORIGINAL	-872.119 -872.251	-872.119 -872.251
REVISION BY JICA EXPERTS	-872.085 -872.200	-872.085 -872.200
ORIGINAL	-872.084 -872.184	-872.084 -872.184
REVISION BY JICA EXPERTS	-872.115 -872.205	-872.115 -872.205
ORIGINAL	-872.179 -872.260	-872.179 -872.260
REVISION BY JICA EXPERTS	-872.275 -872.352	-872.275 -872.352
ORIGINAL	-872.403 -872.479	-872.403 -872.479
REVISION BY JICA EXPERTS	-872.564 -872.642	-872.564 -872.642
ORIGINAL	-872.757 -872.840	-872.757 -872.840
REVISION BY JICA EXPERTS	-872.962 -873.074	-872.962 -873.074
ORIGINAL	-873.240 -873.344	-873.240 -873.344
REVISION BY JICA EXPERTS	-873.514 -873.633	-873.514 -873.633
ORIGINAL	-873.789 -873.921	-873.789 -873.921
REVISION BY JICA EXPERTS	-874.063 -874.209	-874.063 -874.209
ORIGINAL	-874.338 -874.498	-874.338 -874.498
REVISION BY JICA EXPERTS	-874.613 -874.786	-874.613 -874.786
ORIGINAL	-874.887 -875.075	-874.887 -875.075
REVISION BY JICA EXPERTS	-875.162 -875.363	-875.162 -875.363
ORIGINAL	-875.438 -875.652	-875.438 -875.652
REVISION BY JICA EXPERTS	-875.711 -875.940	-875.711 -875.940
ORIGINAL	-875.985 -876.229	-875.985 -876.229
REVISION BY JICA EXPERTS	-876.260 -876.517	-876.260 -876.517
ORIGINAL	-876.534 -876.806	-876.534 -876.806
REVISION BY JICA EXPERTS	-876.809 -877.094	-876.809 -877.094
ORIGINAL	-877.083 -877.382	-877.083 -877.382
REVISION BY JICA EXPERTS	-877.358 -877.671	-877.358 -877.671
ORIGINAL	-877.632 -877.959	-877.632 -877.959
REVISION BY JICA EXPERTS	-877.907 -878.248	-877.907 -878.248
ORIGINAL	-878.181 -878.536	-878.181 -878.536
REVISION BY JICA EXPERTS	-878.456 -878.825	-878.456 -878.825
ORIGINAL	-878.730 -879.113	-878.730 -879.113
REVISION BY JICA EXPERTS	-879.005 -879.402	-879.005 -879.402
ORIGINAL	-879.279 -879.690	-879.279 -879.690
REVISION BY JICA EXPERTS	-879.554 -879.978	-879.554 -879.978
ORIGINAL	-879.828 -880.267	-879.828 -880.267
REVISION BY JICA EXPERTS	-880.103 -880.555	-880.103 -880.555
ORIGINAL	-880.377 -880.844	-880.377 -880.844
REVISION BY JICA EXPERTS	-880.652 -881.132	-880.652 -881.132
ORIGINAL	-880.927 -881.421	-880.927 -881.421
REVISION BY JICA EXPERTS	-881.201 -881.709	-881.201 -881.709
ORIGINAL	-881.476 -881.998	-881.476 -881.998
REVISION BY JICA EXPERTS	-881.750 -882.286	-881.750 -882.286
ORIGINAL	-882.025 -882.575	-882.025 -882.575
REVISION BY JICA EXPERTS	-882.299 -882.863	-882.299 -882.863
ORIGINAL	-882.574 -883.151	-882.574 -883.151
REVISION BY JICA EXPERTS	-882.848 -883.440	-882.848 -883.440
ORIGINAL	-883.123 -883.728	-883.123 -883.728
REVISION BY JICA EXPERTS	-883.397 -884.017	-883.397 -884.017
ORIGINAL	-883.672 -884.305	-883.672 -884.305
REVISION BY JICA EXPERTS	-883.946 -884.594	-883.946 -884.594
ORIGINAL	-884.221 -884.882	-884.221 -884.882
REVISION BY JICA EXPERTS	-884.495 -885.170	-884.495 -885.170

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-93-J	RD-93	A1	H=1:1000 V=1:100	July 2015

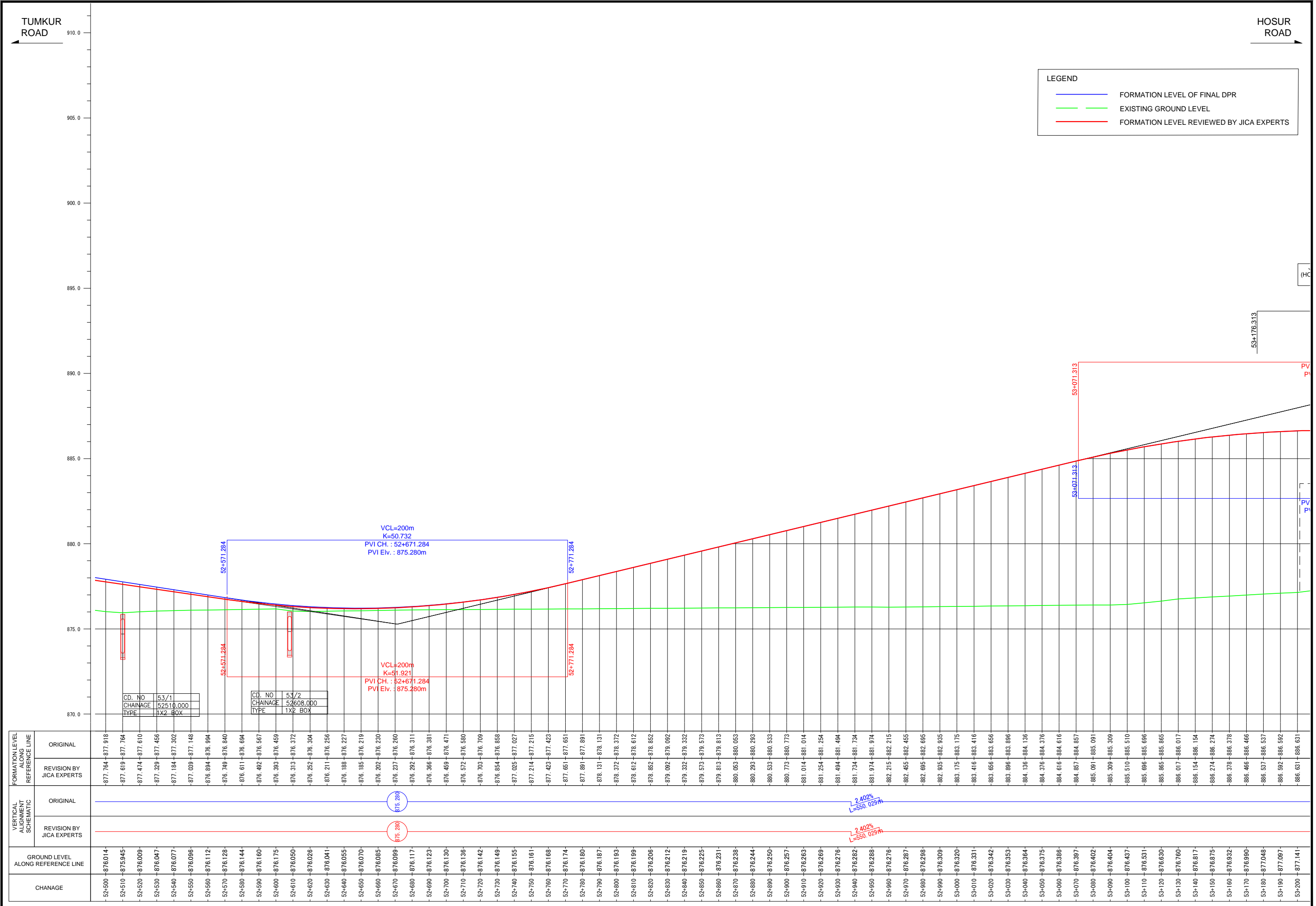


FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	894.401	
REVISION BY JICA EXPERTS	893.280	
GROUND LEVEL ALONG REFERENCE LINE	894.401	
CHANGAGE	894.401	

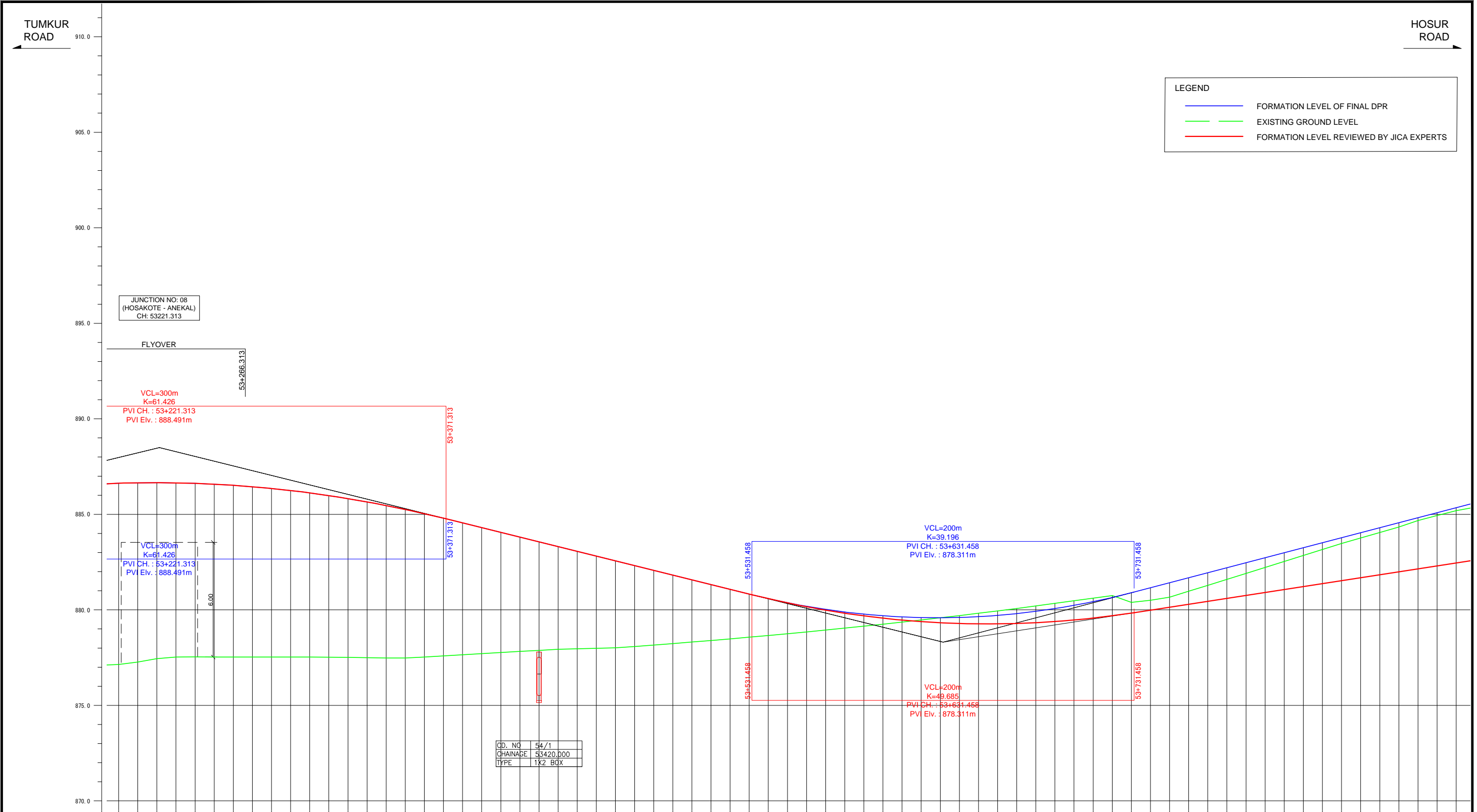
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 51+100 TO CH: 51+800	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-94-J	RD-94	A1	H=1:1000 V=1:100	July 2015



Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 51+800 TO CH: 52+500	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-95-J	RD-95	A1	H=1:1000 V=1:100	July 2015

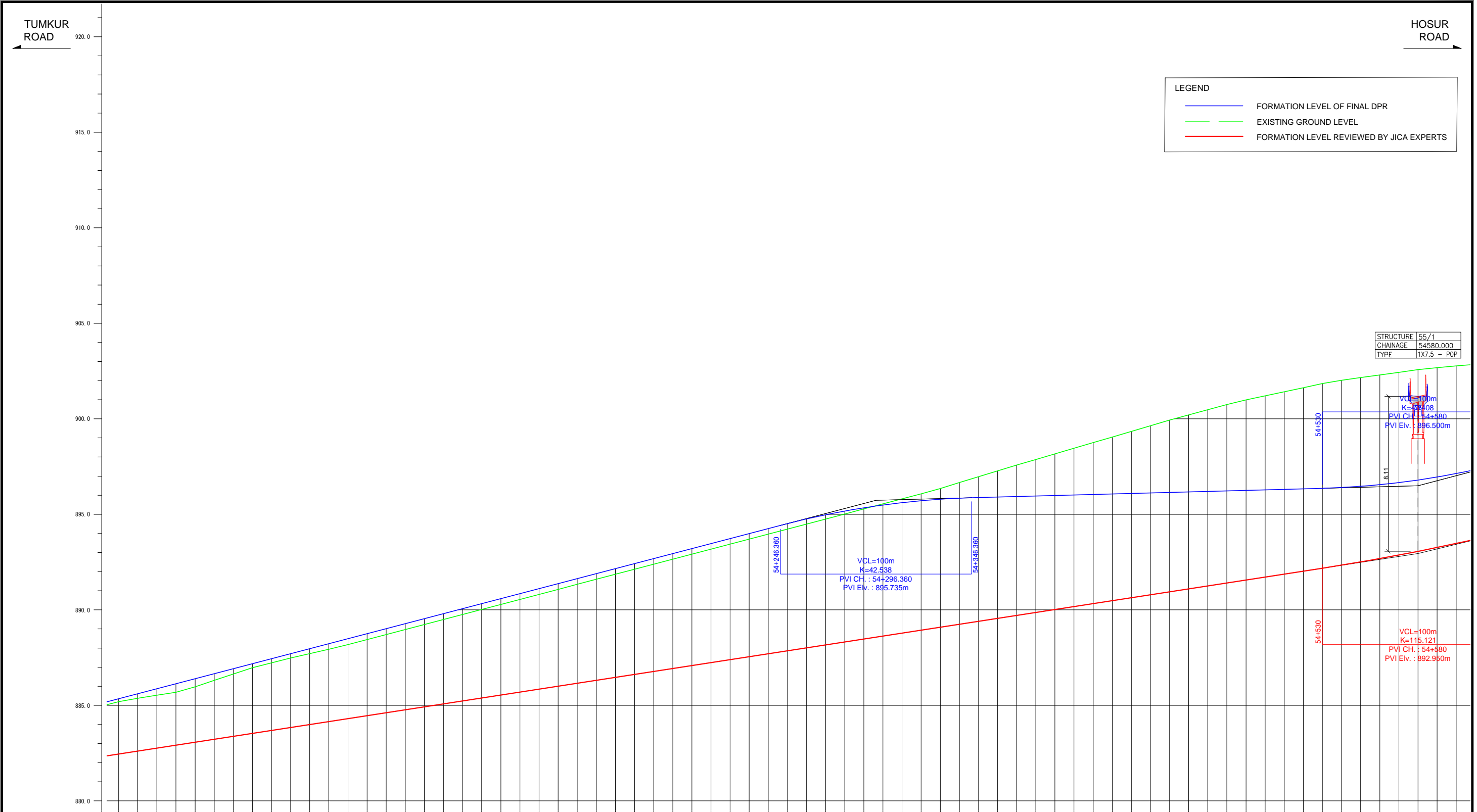


Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD PROFILE CH: 52+500 TO CH: 53+200	RD-96-J	RD-96	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	886.631 - 886.631	886.631 - 886.631
REVISION BY JICA EXPERTS	886.654 - 886.654	886.654 - 886.654
ORIGINAL	886.660 - 886.660	886.660 - 886.660
REVISION BY JICA EXPERTS	886.650 - 886.650	886.650 - 886.650
ORIGINAL	886.624 - 886.624	886.624 - 886.624
REVISION BY JICA EXPERTS	886.581 - 886.581	886.581 - 886.581
ORIGINAL	886.522 - 886.522	886.522 - 886.522
REVISION BY JICA EXPERTS	886.447 - 886.447	886.447 - 886.447
ORIGINAL	886.356 - 886.356	886.356 - 886.356
REVISION BY JICA EXPERTS	886.248 - 886.248	886.248 - 886.248
ORIGINAL	886.124 - 886.124	886.124 - 886.124
REVISION BY JICA EXPERTS	885.984 - 885.984	885.984 - 885.984
ORIGINAL	885.827 - 885.827	885.827 - 885.827
REVISION BY JICA EXPERTS	885.654 - 885.654	885.654 - 885.654
ORIGINAL	885.465 - 885.465	885.465 - 885.465
REVISION BY JICA EXPERTS	885.260 - 885.260	885.260 - 885.260
ORIGINAL	885.038 - 885.038	885.038 - 885.038
REVISION BY JICA EXPERTS	884.800 - 884.800	884.800 - 884.800
ORIGINAL	884.552 - 884.552	884.552 - 884.552
REVISION BY JICA EXPERTS	884.304 - 884.304	884.304 - 884.304
ORIGINAL	884.056 - 884.056	884.056 - 884.056
REVISION BY JICA EXPERTS	883.808 - 883.808	883.808 - 883.808
ORIGINAL	883.559 - 883.559	883.559 - 883.559
REVISION BY JICA EXPERTS	883.311 - 883.311	883.311 - 883.311
ORIGINAL	883.063 - 883.063	883.063 - 883.063
REVISION BY JICA EXPERTS	882.815 - 882.815	882.815 - 882.815
ORIGINAL	882.567 - 882.567	882.567 - 882.567
REVISION BY JICA EXPERTS	882.318 - 882.318	882.318 - 882.318
ORIGINAL	882.070 - 882.070	882.070 - 882.070
REVISION BY JICA EXPERTS	881.822 - 881.822	881.822 - 881.822
ORIGINAL	881.574 - 881.574	881.574 - 881.574
REVISION BY JICA EXPERTS	881.326 - 881.326	881.326 - 881.326
ORIGINAL	881.077 - 881.077	881.077 - 881.077
REVISION BY JICA EXPERTS	880.829 - 880.829	880.829 - 880.829
ORIGINAL	880.581 - 880.581	880.581 - 880.581
REVISION BY JICA EXPERTS	880.333 - 880.333	880.333 - 880.333
ORIGINAL	880.085 - 880.085	880.085 - 880.085
REVISION BY JICA EXPERTS	879.837 - 879.837	879.837 - 879.837
ORIGINAL	879.589 - 879.589	879.589 - 879.589
REVISION BY JICA EXPERTS	879.341 - 879.341	879.341 - 879.341
ORIGINAL	879.093 - 879.093	879.093 - 879.093
REVISION BY JICA EXPERTS	878.845 - 878.845	878.845 - 878.845
ORIGINAL	878.597 - 878.597	878.597 - 878.597
REVISION BY JICA EXPERTS	878.349 - 878.349	878.349 - 878.349
ORIGINAL	878.101 - 878.101	878.101 - 878.101
REVISION BY JICA EXPERTS	877.853 - 877.853	877.853 - 877.853
ORIGINAL	877.605 - 877.605	877.605 - 877.605
REVISION BY JICA EXPERTS	877.357 - 877.357	877.357 - 877.357
ORIGINAL	877.109 - 877.109	877.109 - 877.109
REVISION BY JICA EXPERTS	876.861 - 876.861	876.861 - 876.861
ORIGINAL	876.613 - 876.613	876.613 - 876.613
REVISION BY JICA EXPERTS	876.365 - 876.365	876.365 - 876.365
ORIGINAL	876.117 - 876.117	876.117 - 876.117
REVISION BY JICA EXPERTS	875.869 - 875.869	875.869 - 875.869
ORIGINAL	875.621 - 875.621	875.621 - 875.621
REVISION BY JICA EXPERTS	875.373 - 875.373	875.373 - 875.373
ORIGINAL	875.125 - 875.125	875.125 - 875.125
REVISION BY JICA EXPERTS	874.877 - 874.877	874.877 - 874.877
ORIGINAL	874.629 - 874.629	874.629 - 874.629
REVISION BY JICA EXPERTS	874.381 - 874.381	874.381 - 874.381
ORIGINAL	874.133 - 874.133	874.133 - 874.133
REVISION BY JICA EXPERTS	873.885 - 873.885	873.885 - 873.885
ORIGINAL	873.637 - 873.637	873.637 - 873.637
REVISION BY JICA EXPERTS	873.389 - 873.389	873.389 - 873.389
ORIGINAL	873.141 - 873.141	873.141 - 873.141
REVISION BY JICA EXPERTS	872.893 - 872.893	872.893 - 872.893
ORIGINAL	872.645 - 872.645	872.645 - 872.645
REVISION BY JICA EXPERTS	872.397 - 872.397	872.397 - 872.397
ORIGINAL	872.149 - 872.149	872.149 - 872.149
REVISION BY JICA EXPERTS	871.901 - 871.901	871.901 - 871.901
ORIGINAL	871.653 - 871.653	871.653 - 871.653
REVISION BY JICA EXPERTS	871.405 - 871.405	871.405 - 871.405
ORIGINAL	871.157 - 871.157	871.157 - 871.157
REVISION BY JICA EXPERTS	870.909 - 870.909	870.909 - 870.909
ORIGINAL	870.661 - 870.661	870.661 - 870.661
REVISION BY JICA EXPERTS	870.413 - 870.413	870.413 - 870.413
ORIGINAL	870.165 - 870.165	870.165 - 870.165
REVISION BY JICA EXPERTS	869.917 - 869.917	869.917 - 869.917
ORIGINAL	869.669 - 869.669	869.669 - 869.669
REVISION BY JICA EXPERTS	869.421 - 869.421	869.421 - 869.421
ORIGINAL	869.173 - 869.173	869.173 - 869.173
REVISION BY JICA EXPERTS	868.925 - 868.925	868.925 - 868.925
ORIGINAL	868.677 - 868.677	868.677 - 868.677
REVISION BY JICA EXPERTS	868.429 - 868.429	868.429 - 868.429
ORIGINAL	868.181 - 868.181	868.181 - 868.181
REVISION BY JICA EXPERTS	867.933 - 867.933	867.933 - 867.933
ORIGINAL	867.685 - 867.685	867.685 - 867.685
REVISION BY JICA EXPERTS	867.437 - 867.437	867.437 - 867.437
ORIGINAL	867.189 - 867.189	867.189 - 867.189
REVISION BY JICA EXPERTS	866.941 - 866.941	866.941 - 866.941
ORIGINAL	866.693 - 866.693	866.693 - 866.693
REVISION BY JICA EXPERTS	866.445 - 866.445	866.445 - 866.445
ORIGINAL	866.197 - 866.197	866.197 - 866.197
REVISION BY JICA EXPERTS	865.949 - 865.949	865.949 - 865.949
ORIGINAL	865.701 - 865.701	865.701 - 865.701
REVISION BY JICA EXPERTS	865.453 - 865.453	865.453 - 865.453

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-97-J	RD-97	A1	H=1:1000 V=1:100	July 2015

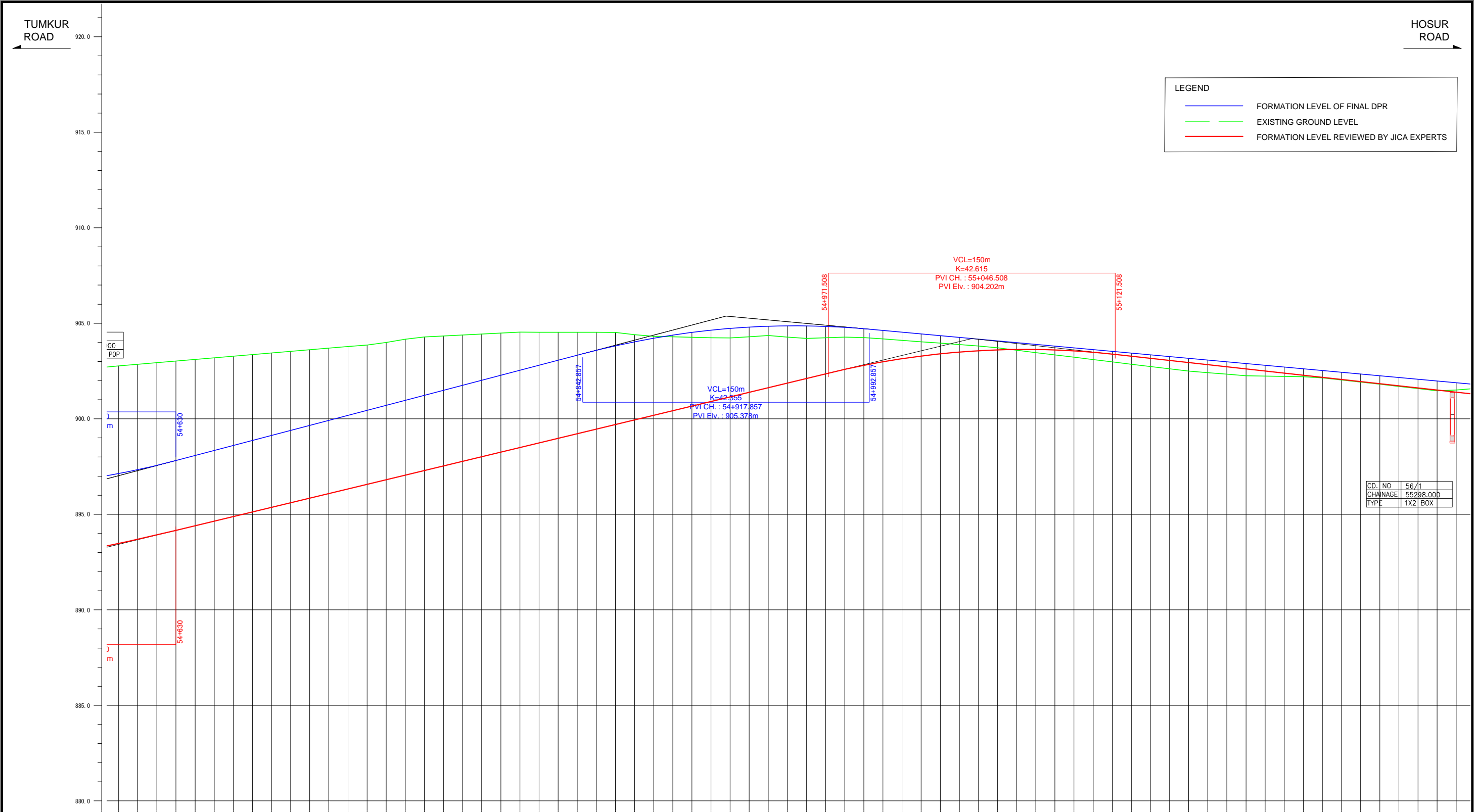


LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

STRUCTURE	55/1
CHAINAGE	54580.000
TYPE	1X7.5 - POP

FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
	ORIGINAL	REVISION BY JICA EXPERTS
	2.621% L=664.902m 1.543% L=948.542m 0.270% L=283.640m 896.900 892.950	
GROUND LEVEL ALONG REFERENCE LINE		
CHANGAGE	53+900 -885.195	882.455 -885.348
53+910 -885.375	882.610 -885.610	
53+920 -885.532	882.764 -885.872	
53+930 -885.689	882.918 -886.134	
53+940 -885.975	883.073 -886.396	
53+950 -886.309	883.227 -886.659	
53+960 -886.643	883.381 -886.921	
53+970 -886.970	883.536 -887.183	
53+980 -887.225	883.690 -887.445	
53+990 -887.480	883.844 -887.707	
54+000 -887.712	883.999 -887.969	
54+010 -887.941	884.153 -888.231	
54+020 -888.180	884.307 -888.493	
54+030 -888.443	884.462 -888.755	
54+040 -888.706	884.616 -889.017	
54+050 -888.969	884.770 -889.279	
54+060 -889.232	884.925 -889.541	
54+070 -889.495	885.079 -889.803	
54+080 -889.758	885.233 -890.065	
54+090 -890.021	885.388 -890.327	
54+100 -890.284	885.542 -890.589	
54+110 -890.547	885.696 -890.851	
54+120 -890.810	885.851 -891.113	
54+130 -891.073	886.005 -891.375	
54+140 -891.337	886.159 -891.638	
54+150 -891.600	886.314 -891.900	
54+160 -891.863	886.468 -892.162	
54+170 -892.126	886.622 -892.424	
54+180 -892.389	886.777 -892.686	
54+190 -892.652	886.931 -892.948	
54+200 -892.915	887.085 -893.210	
54+210 -893.178	887.240 -893.472	
54+220 -893.441	887.394 -893.734	
54+230 -893.704	887.548 -893.996	
54+240 -893.967	887.703 -894.258	
54+250 -894.230	887.857 -894.519	
54+260 -894.493	888.011 -894.780	
54+270 -894.756	888.166 -894.979	
54+280 -895.019	888.320 -895.173	
54+290 -895.282	888.474 -895.344	
54+300 -895.546	888.629 -895.492	
54+310 -895.809	888.783 -895.616	
54+320 -896.072	888.937 -895.717	
54+330 -896.335	889.092 -895.794	
54+340 -896.622	889.246 -895.848	
54+350 -896.969	889.400 -895.880	
54+360 -897.276	889.555 -895.907	
54+370 -897.583	889.709 -895.934	
54+380 -897.872	889.863 -895.961	
54+390 -898.165	889.018 -895.988	
54+400 -898.459	889.172 -896.015	
54+410 -898.754	889.326 -896.041	
54+420 -899.048	889.481 -896.068	
54+430 -899.343	889.635 -896.095	
54+440 -899.637	889.789 -896.122	
54+450 -899.932	889.944 -896.149	
54+460 -900.203	890.098 -896.176	
54+470 -900.473	890.252 -896.203	
54+480 -900.744	890.407 -896.230	
54+490 -900.989	890.561 -896.257	
54+500 -901.203	890.715 -896.284	
54+510 -901.417	890.870 -896.311	
54+520 -901.631	891.024 -896.338	
54+530 -901.845	891.178 -896.365	
54+540 -902.021	891.332 -896.404	
54+550 -902.159	891.486 -896.466	
54+560 -902.297	891.640 -896.552	
54+570 -902.435	891.794 -896.662	
54+580 -902.573	891.948 -896.795	
54+590 -902.679	892.102 -896.951	
54+600 -902.769	892.256 -897.132	

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 53+900 TO CH: 54+600	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-98-J	RD-98	A1	H=1:1000 V=1:100	July 2015

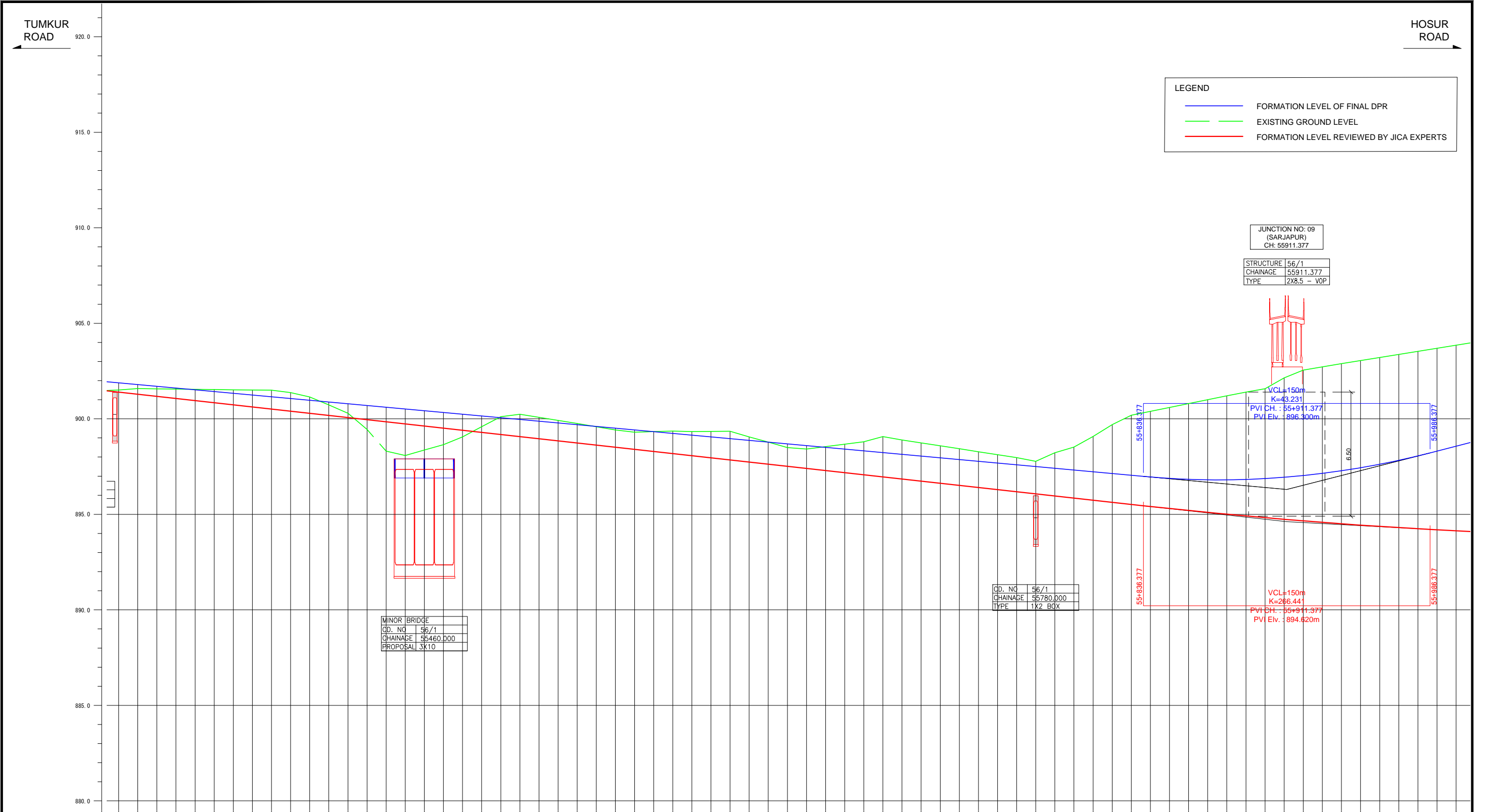


LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

CD. NO	56/1
CHANAGE	55298.00D
TYPE	1X2 BOX

FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	893.471-897.132	893.471-897.132
893.691-897.335	893.691-897.335	893.691-897.335
893.919-897.563	893.919-897.563	893.919-897.563
894.156-897.814	894.156-897.814	894.156-897.814
894.397-898.077	894.397-898.077	894.397-898.077
894.639-898.339	894.639-898.339	894.639-898.339
894.880-898.602	894.880-898.602	894.880-898.602
895.121-898.865	895.121-898.865	895.121-898.865
895.362-899.128	895.362-899.128	895.362-899.128
895.603-899.391	895.603-899.391	895.603-899.391
895.844-899.653	895.844-899.653	895.844-899.653
896.086-899.916	896.086-899.916	896.086-899.916
896.327-900.179	896.327-900.179	896.327-900.179
896.568-900.442	896.568-900.442	896.568-900.442
896.809-900.704	896.809-900.704	896.809-900.704
897.050-900.967	897.050-900.967	897.050-900.967
897.292-901.230	897.292-901.230	897.292-901.230
897.533-901.493	897.533-901.493	897.533-901.493
897.774-901.755	897.774-901.755	897.774-901.755
898.015-902.018	898.015-902.018	898.015-902.018
898.256-902.281	898.256-902.281	898.256-902.281
898.498-902.544	898.498-902.544	898.498-902.544
898.739-902.807	898.739-902.807	898.739-902.807
898.980-903.069	898.980-903.069	898.980-903.069
899.221-903.332	899.221-903.332	899.221-903.332
899.462-903.589	899.462-903.589	899.462-903.589
899.703-903.823	899.703-903.823	899.703-903.823
899.945-904.033	899.945-904.033	899.945-904.033
900.186-904.220	900.186-904.220	900.186-904.220
900.427-904.384	900.427-904.384	900.427-904.384
900.668-904.523	900.668-904.523	900.668-904.523
900.909-904.639	900.909-904.639	900.909-904.639
901.151-904.732	901.151-904.732	901.151-904.732
901.392-904.801	901.392-904.801	901.392-904.801
901.633-904.846	901.633-904.846	901.633-904.846
901.874-904.867	901.874-904.867	901.874-904.867
902.115-904.865	902.115-904.865	902.115-904.865
902.357-904.840	902.357-904.840	902.357-904.840
902.598-904.791	902.598-904.791	902.598-904.791
902.799-904.718	902.799-904.718	902.799-904.718
902.985-904.627	902.985-904.627	902.985-904.627
903.148-904.536	903.148-904.536	903.148-904.536
903.287-904.445	903.287-904.445	903.287-904.445
903.402-904.353	903.402-904.353	903.402-904.353
903.485-904.262	903.485-904.262	903.485-904.262
903.563-904.171	903.563-904.171	903.563-904.171
903.609-904.079	903.609-904.079	903.609-904.079
903.630-903.988	903.630-903.988	903.630-903.988
903.629-903.896	903.629-903.896	903.629-903.896
903.604-903.805	903.604-903.805	903.604-903.805
903.555-903.714	903.555-903.714	903.555-903.714
903.483-903.622	903.483-903.622	903.483-903.622
903.388-903.531	903.388-903.531	903.388-903.531
903.277-903.440	903.277-903.440	903.277-903.440
903.166-903.348	903.166-903.348	903.166-903.348
903.055-903.257	903.055-903.257	903.055-903.257
902.945-903.165	902.945-903.165	902.945-903.165
902.834-903.074	902.834-903.074	902.834-903.074
902.723-902.983	902.723-902.983	902.723-902.983
902.612-902.891	902.612-902.891	902.612-902.891
902.501-902.800	902.501-902.800	902.501-902.800
902.391-902.709	902.391-902.709	902.391-902.709
902.280-902.617	902.280-902.617	902.280-902.617
902.169-902.526	902.169-902.526	902.169-902.526
902.058-902.435	902.058-902.435	902.058-902.435
901.947-902.343	901.947-902.343	901.947-902.343
901.837-902.252	901.837-902.252	901.837-902.252
901.726-902.160	901.726-902.160	901.726-902.160
901.615-902.069	901.615-902.069	901.615-902.069
901.504-901.978	901.504-901.978	901.504-901.978
901.394-901.886	901.394-901.886	901.394-901.886

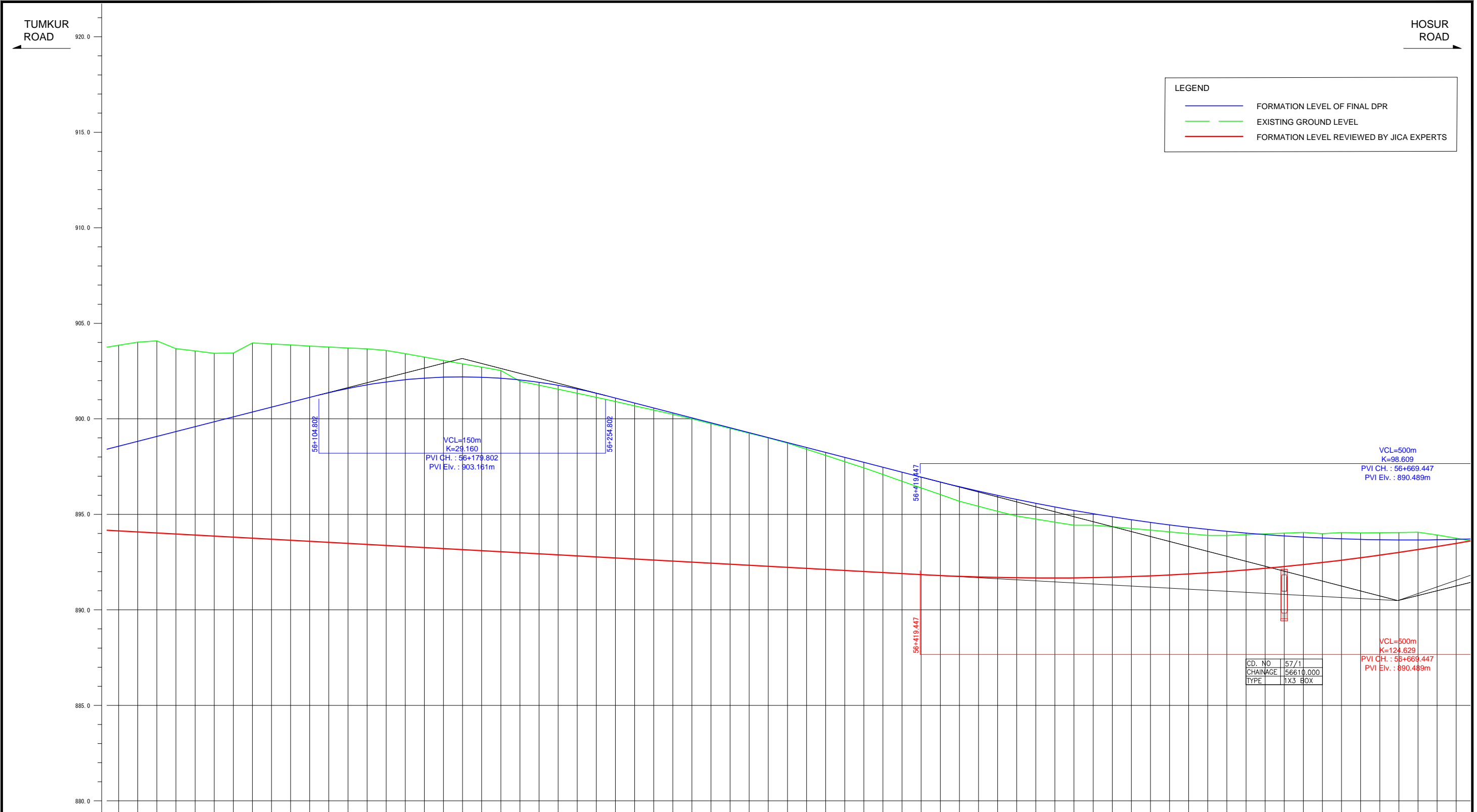
Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-99-J	RD-99	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
		-901.394 -901.886
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	REVISION BY JICA EXPERTS
		-0.914% L=993.520m
GROUND LEVEL ALONG REFERENCE LINE	-901.510	-901.585
CHANAGE	55-300	55-310
	55-320	55-330
55-340	55-350	
55-360	55-370	
55-380	55-390	
55-400	55-410	
55-420	55-430	
55-440	55-450	
55-460	55-470	
55-480	55-490	
55-500	55-510	
55-520	55-530	
55-540	55-550	
55-560	55-570	
55-580	55-590	
55-600	55-610	
55-620	55-630	
55-640	55-650	
55-660	55-670	
55-680	55-690	
55-700	55-710	
55-720	55-730	
55-740	55-750	
55-760	55-770	
55-780	55-790	
55-800	55-810	
55-820	55-830	
55-840	55-850	
55-860	55-870	
55-880	55-890	
55-900	55-910	
55-920	55-930	
55-940	55-950	
55-960	55-970	
55-980	55-990	
55-1000	55-1000	

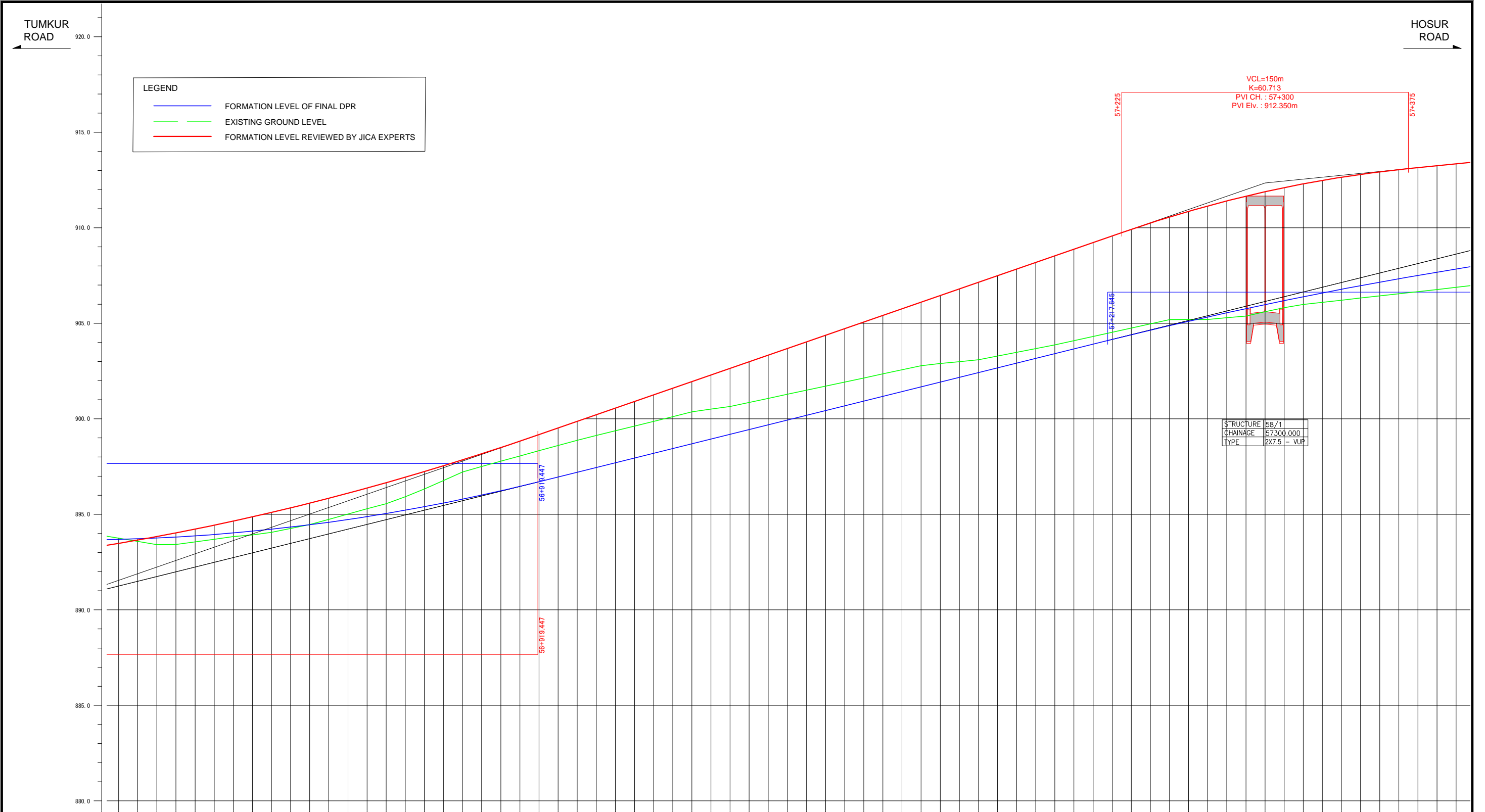
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 55+300 TO CH: 56+000	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-100-J	RD-100	A1	H=1:1000 V=1:100	July 2015





FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	-894.137	-898.585
-894.063	-898.821	
-894.028	-899.076	
-893.974	-899.332	
-893.919	-899.588	
-893.865	-899.843	
-893.810	-900.099	
-893.756	-900.354	
-893.701	-900.610	
-893.647	-900.866	
-893.592	-901.121	
-893.538	-901.372	
-893.483	-901.593	
-893.429	-901.779	
-893.374	-901.931	
-893.320	-902.049	
-893.265	-902.132	
-893.211	-902.182	
-893.156	-902.196	
-893.102	-902.177	
-893.047	-902.123	
-892.993	-902.035	
-892.938	-901.913	
-892.884	-901.756	
-892.829	-901.566	
-892.775	-901.340	
-892.720	-901.085	
-892.666	-900.827	
-892.611	-900.568	
-892.557	-900.309	
-892.502	-900.050	
-892.448	-899.791	
-892.393	-899.533	
-892.339	-899.274	
-892.284	-899.015	
-892.230	-898.756	
-892.175	-898.497	
-892.121	-898.239	
-892.066	-897.980	
-892.012	-897.721	
-891.957	-897.462	
-891.903	-897.203	
-891.848	-896.945	
-891.793	-896.682	
-891.738	-896.419	
-891.683	-896.156	
-891.628	-895.893	
-891.573	-895.630	
-891.518	-895.367	
-891.463	-895.104	
-891.408	-894.841	
-891.353	-894.578	
-891.298	-894.315	
-891.243	-894.052	
-891.188	-893.789	
-891.133	-893.526	
-891.078	-893.263	
-891.023	-893.000	
-890.968	-892.737	
-890.913	-892.474	
-890.858	-892.211	
-890.803	-891.948	
-890.748	-891.685	
-890.693	-891.422	
-890.638	-891.159	
-890.583	-890.896	
-890.528	-890.633	
-890.473	-890.370	
-890.418	-890.107	
-890.363	-889.844	
-890.308	-889.581	

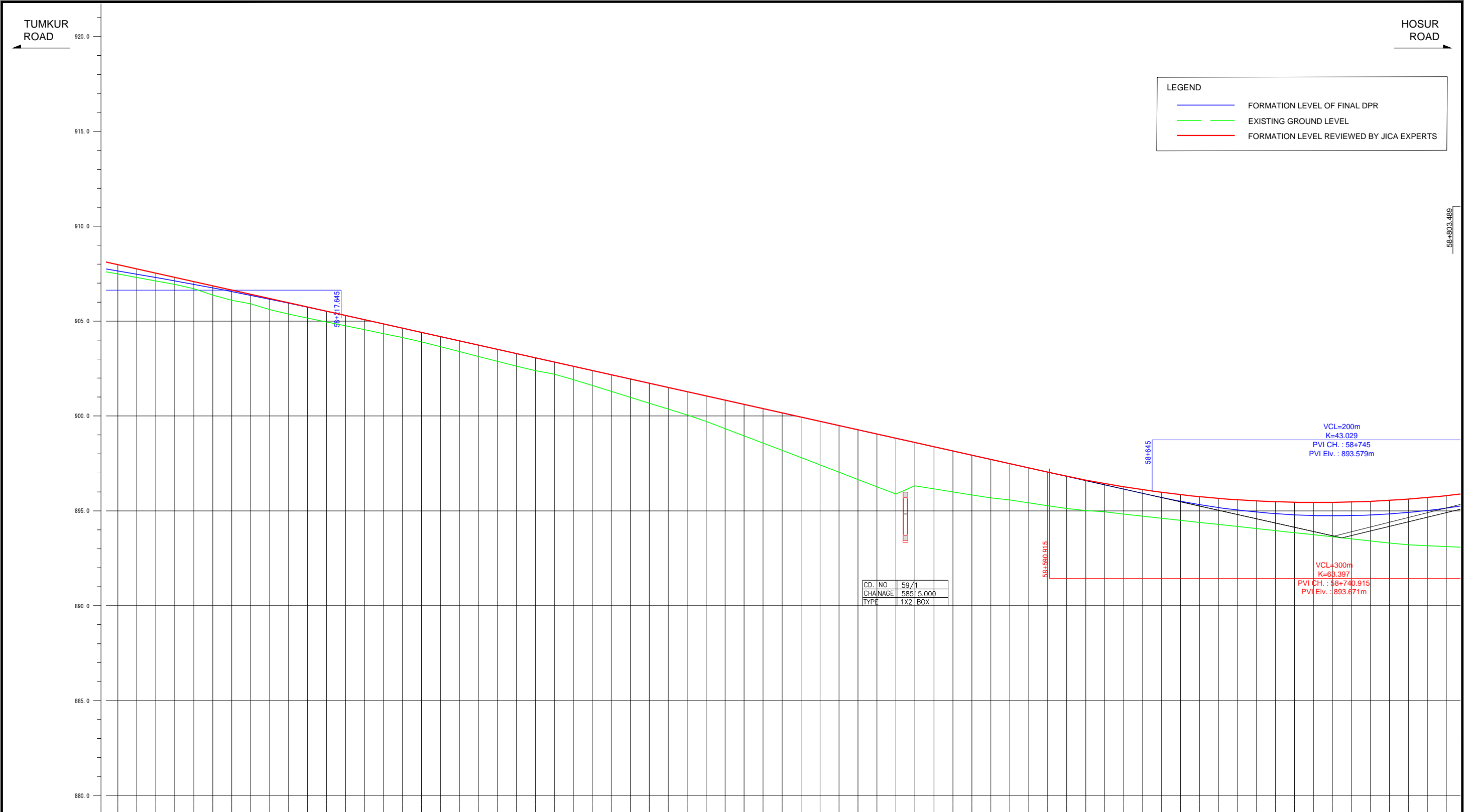
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 56+000 TO CH: 56+700	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-101-J	RD-101	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	893.480 - 893.689	893.480 - 893.689
893.685 - 893.720	893.685 - 893.720	893.685 - 893.720
893.838 - 893.761	893.838 - 893.761	893.838 - 893.761
894.028 - 893.812	894.028 - 893.812	894.028 - 893.812
894.227 - 893.873	894.227 - 893.873	894.227 - 893.873
894.434 - 893.945	894.434 - 893.945	894.434 - 893.945
894.648 - 894.026	894.648 - 894.026	894.648 - 894.026
894.871 - 894.118	894.871 - 894.118	894.871 - 894.118
895.102 - 894.220	895.102 - 894.220	895.102 - 894.220
895.341 - 894.331	895.341 - 894.331	895.341 - 894.331
895.588 - 894.453	895.588 - 894.453	895.588 - 894.453
895.842 - 894.586	895.842 - 894.586	895.842 - 894.586
896.105 - 894.728	896.105 - 894.728	896.105 - 894.728
896.376 - 894.880	896.376 - 894.880	896.376 - 894.880
896.655 - 895.043	896.655 - 895.043	896.655 - 895.043
896.942 - 895.216	896.942 - 895.216	896.942 - 895.216
897.237 - 895.399	897.237 - 895.399	897.237 - 895.399
897.540 - 895.592	897.540 - 895.592	897.540 - 895.592
897.851 - 895.795	897.851 - 895.795	897.851 - 895.795
898.170 - 896.008	898.170 - 896.008	898.170 - 896.008
898.497 - 896.232	898.497 - 896.232	898.497 - 896.232
898.832 - 896.465	898.832 - 896.465	898.832 - 896.465
899.176 - 896.709	899.176 - 896.709	899.176 - 896.709
899.522 - 896.957	899.522 - 896.957	899.522 - 896.957
899.869 - 897.206	899.869 - 897.206	899.869 - 897.206
900.216 - 897.454	900.216 - 897.454	900.216 - 897.454
900.562 - 897.702	900.562 - 897.702	900.562 - 897.702
900.909 - 897.950	900.909 - 897.950	900.909 - 897.950
901.256 - 898.199	901.256 - 898.199	901.256 - 898.199
901.602 - 898.447	901.602 - 898.447	901.602 - 898.447
901.949 - 898.695	901.949 - 898.695	901.949 - 898.695
902.296 - 898.943	902.296 - 898.943	902.296 - 898.943
902.643 - 899.192	902.643 - 899.192	902.643 - 899.192
902.989 - 899.440	902.989 - 899.440	902.989 - 899.440
903.336 - 899.688	903.336 - 899.688	903.336 - 899.688
903.683 - 899.936	903.683 - 899.936	903.683 - 899.936
904.029 - 900.185	904.029 - 900.185	904.029 - 900.185
904.376 - 900.433	904.376 - 900.433	904.376 - 900.433
904.723 - 900.681	904.723 - 900.681	904.723 - 900.681
905.069 - 900.929	905.069 - 900.929	905.069 - 900.929
905.416 - 901.178	905.416 - 901.178	905.416 - 901.178
905.763 - 901.426	905.763 - 901.426	905.763 - 901.426
906.109 - 901.674	906.109 - 901.674	906.109 - 901.674
906.456 - 901.922	906.456 - 901.922	906.456 - 901.922
906.803 - 902.171	906.803 - 902.171	906.803 - 902.171
907.150 - 902.419	907.150 - 902.419	907.150 - 902.419
907.496 - 902.667	907.496 - 902.667	907.496 - 902.667
907.843 - 902.915	907.843 - 902.915	907.843 - 902.915
908.190 - 903.164	908.190 - 903.164	908.190 - 903.164
908.536 - 903.412	908.536 - 903.412	908.536 - 903.412
908.883 - 903.660	908.883 - 903.660	908.883 - 903.660
909.230 - 903.908	909.230 - 903.908	909.230 - 903.908
909.576 - 904.157	909.576 - 904.157	909.576 - 904.157
909.921 - 904.401	909.921 - 904.401	909.921 - 904.401
910.261 - 904.641	910.261 - 904.641	910.261 - 904.641
910.595 - 904.877	910.595 - 904.877	910.595 - 904.877
910.923 - 905.107	910.923 - 905.107	910.923 - 905.107
911.245 - 905.333	911.245 - 905.333	911.245 - 905.333
911.561 - 905.555	911.561 - 905.555	911.561 - 905.555
911.871 - 905.771	911.871 - 905.771	911.871 - 905.771
912.175 - 905.983	912.175 - 905.983	912.175 - 905.983
912.473 - 906.190	912.473 - 906.190	912.473 - 906.190
912.765 - 906.392	912.765 - 906.392	912.765 - 906.392
913.051 - 906.590	913.051 - 906.590	913.051 - 906.590
913.331 - 906.783	913.331 - 906.783	913.331 - 906.783
913.605 - 906.971	913.605 - 906.971	913.605 - 906.971
913.873 - 907.155	913.873 - 907.155	913.873 - 907.155
914.135 - 907.333	914.135 - 907.333	914.135 - 907.333
914.391 - 907.507	914.391 - 907.507	914.391 - 907.507
914.641 - 907.677	914.641 - 907.677	914.641 - 907.677
914.885 - 907.841	914.885 - 907.841	914.885 - 907.841

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-102-J	RD-102	A1	H=1:1000 V=1:100	July 2015

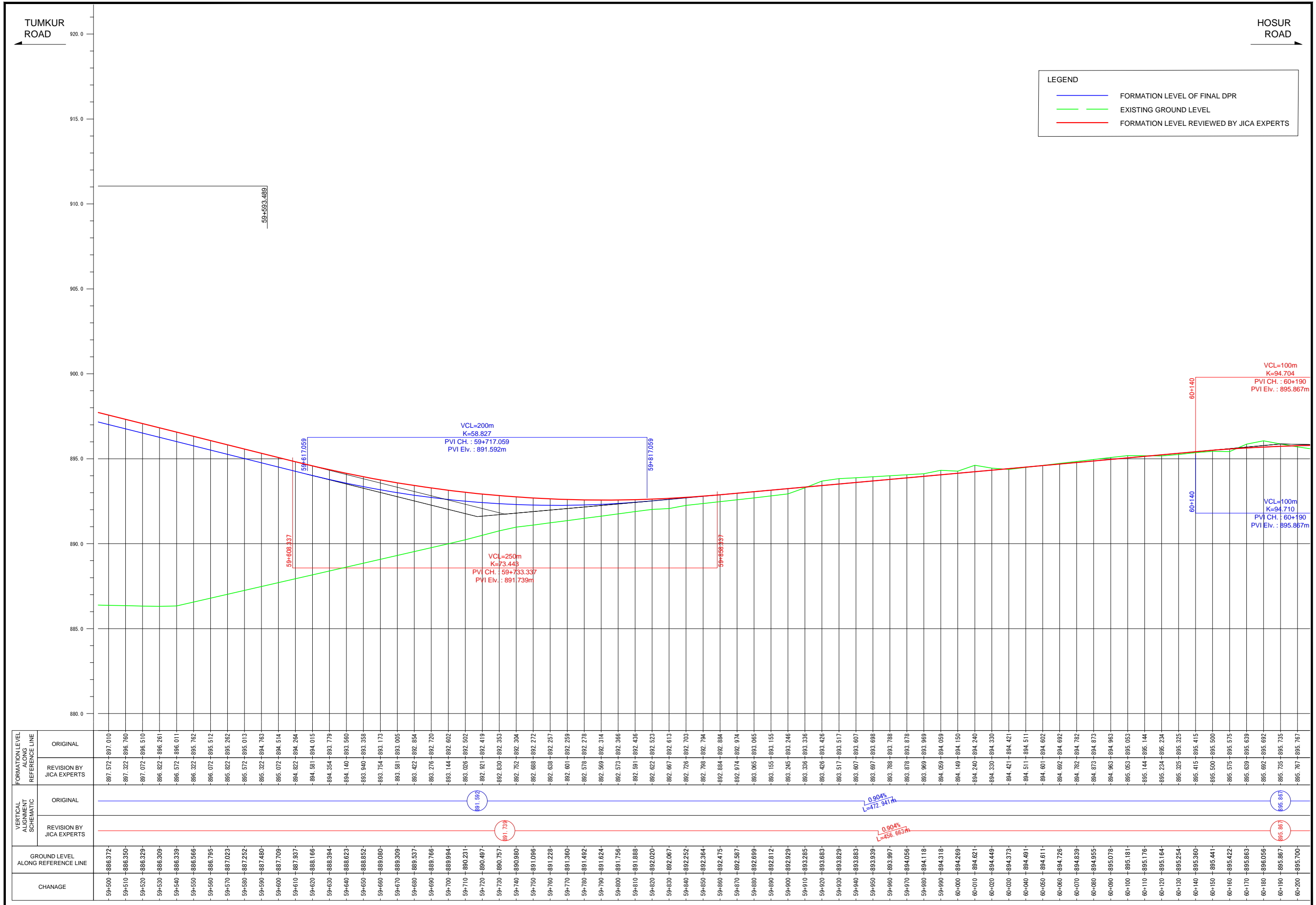




FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	907.484	907.484
907.300	907.300	
907.116	907.116	
906.933	906.933	
906.709	906.709	
906.389	906.389	
906.099	906.099	
905.911	905.911	
905.606	905.606	
905.388	905.388	
905.162	905.162	
904.957	904.957	
904.752	904.752	
904.547	904.547	
904.341	904.341	
904.136	904.136	
903.906	903.906	
903.650	903.650	
903.394	903.394	
903.138	903.138	
902.882	902.882	
902.626	902.626	
902.388	902.388	
902.200	902.200	
901.919	901.919	
901.608	901.608	
901.297	901.297	
900.986	900.986	
900.675	900.675	
900.364	900.364	
900.053	900.053	
899.718	899.718	
899.337	899.337	
898.956	898.956	
898.573	898.573	
898.189	898.189	
897.805	897.805	
897.421	897.421	
897.037	897.037	
896.653	896.653	
896.269	896.269	
895.885	895.885	
896.323	896.323	
896.162	896.162	
896.001	896.001	
895.840	895.840	
895.680	895.680	
895.572	895.572	
895.422	895.422	
895.272	895.272	
895.122	895.122	
895.014	895.014	
894.951	894.951	
894.831	894.831	
894.718	894.718	
894.610	894.610	
894.501	894.501	
894.392	894.392	
894.284	894.284	
894.175	894.175	
894.067	894.067	
893.958	893.958	
893.850	893.850	
893.741	893.741	
893.633	893.633	
893.524	893.524	
893.416	893.416	
893.307	893.307	
893.208	893.208	
893.165	893.165	
893.120	893.120	

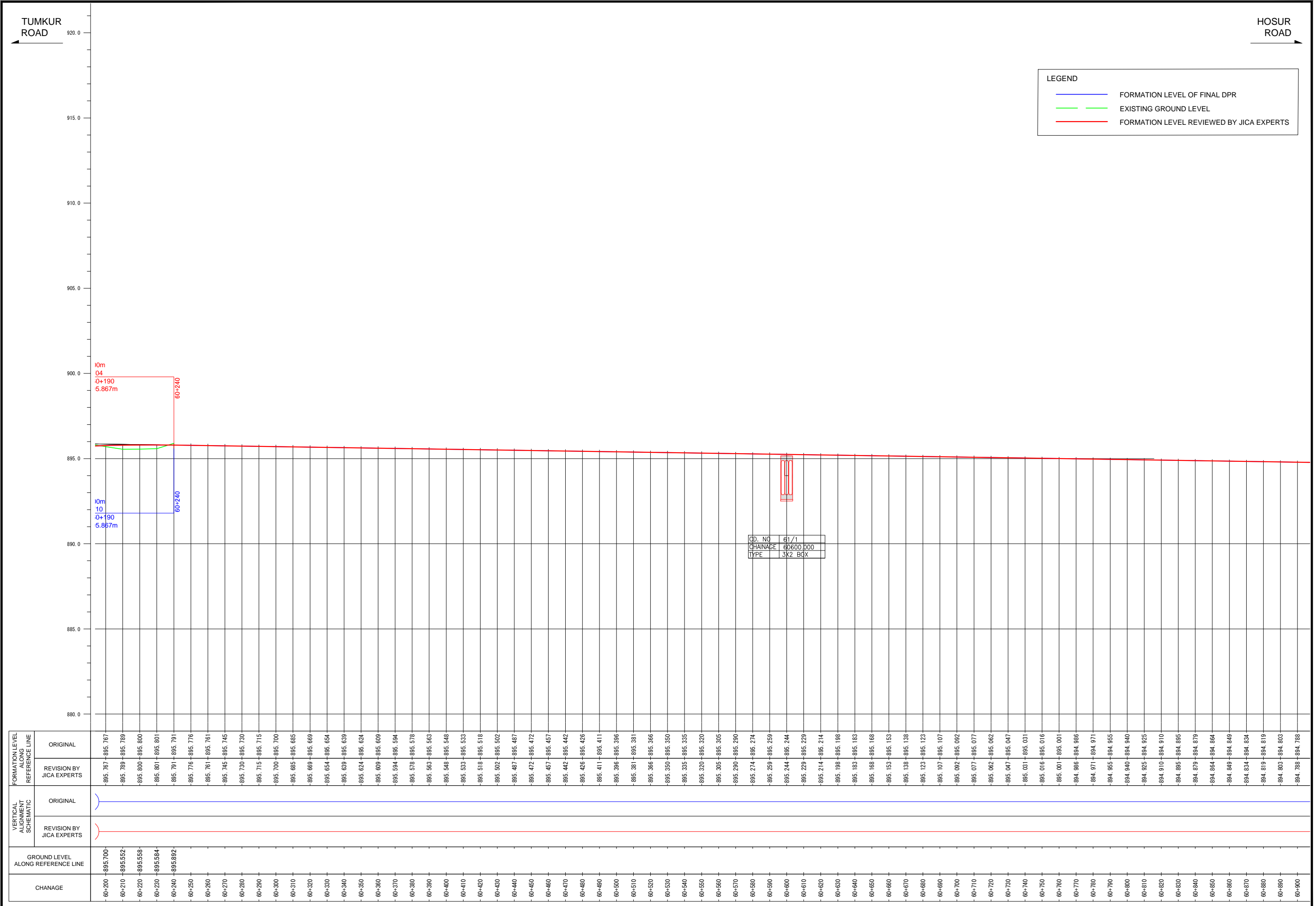
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 58+100 TO CH: 58+800	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-104-J	RD-104	A1	H=1:1000 V=1:100	July 2015





FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	REVISION BY JICA EXPERTS
	-897.572 -897.010	-897.572 -897.010
-897.322 -896.760	-897.322 -896.760	-897.322 -896.760
-897.072 -896.510	-897.072 -896.510	-897.072 -896.510
-896.822 -896.261	-896.822 -896.261	-896.822 -896.261
-896.572 -896.011	-896.572 -896.011	-896.572 -896.011
-896.322 -895.762	-896.322 -895.762	-896.322 -895.762
-896.072 -895.512	-896.072 -895.512	-896.072 -895.512
-895.822 -895.262	-895.822 -895.262	-895.822 -895.262
-895.572 -895.013	-895.572 -895.013	-895.572 -895.013
-895.322 -894.763	-895.322 -894.763	-895.322 -894.763
-895.072 -894.514	-895.072 -894.514	-895.072 -894.514
-894.822 -894.264	-894.822 -894.264	-894.822 -894.264
-894.581 -894.015	-894.581 -894.015	-894.581 -894.015
-894.354 -893.779	-894.354 -893.779	-894.354 -893.779
-894.140 -893.560	-894.140 -893.560	-894.140 -893.560
-893.940 -893.358	-893.940 -893.358	-893.940 -893.358
-893.754 -893.173	-893.754 -893.173	-893.754 -893.173
-893.581 -893.005	-893.581 -893.005	-893.581 -893.005
-893.422 -892.854	-893.422 -892.854	-893.422 -892.854
-893.276 -892.720	-893.276 -892.720	-893.276 -892.720
-893.144 -892.602	-893.144 -892.602	-893.144 -892.602
-893.026 -892.502	-893.026 -892.502	-893.026 -892.502
-892.921 -892.419	-892.921 -892.419	-892.921 -892.419
-892.830 -892.353	-892.830 -892.353	-892.830 -892.353
-892.752 -892.304	-892.752 -892.304	-892.752 -892.304
-892.688 -892.272	-892.688 -892.272	-892.688 -892.272
-892.638 -892.257	-892.638 -892.257	-892.638 -892.257
-892.601 -892.259	-892.601 -892.259	-892.601 -892.259
-892.578 -892.278	-892.578 -892.278	-892.578 -892.278
-892.569 -892.314	-892.569 -892.314	-892.569 -892.314
-892.573 -892.366	-892.573 -892.366	-892.573 -892.366
-892.591 -892.436	-892.591 -892.436	-892.591 -892.436
-892.622 -892.523	-892.622 -892.523	-892.622 -892.523
-892.667 -892.613	-892.667 -892.613	-892.667 -892.613
-892.726 -892.703	-892.726 -892.703	-892.726 -892.703
-892.798 -892.794	-892.798 -892.794	-892.798 -892.794
-892.884 -892.884	-892.884 -892.884	-892.884 -892.884
-892.974 -892.974	-892.974 -892.974	-892.974 -892.974
-893.065 -893.065	-893.065 -893.065	-893.065 -893.065
-893.155 -893.155	-893.155 -893.155	-893.155 -893.155
-893.245 -893.246	-893.245 -893.246	-893.245 -893.246
-893.336 -893.336	-893.336 -893.336	-893.336 -893.336
-893.426 -893.426	-893.426 -893.426	-893.426 -893.426
-893.517 -893.517	-893.517 -893.517	-893.517 -893.517
-893.607 -893.607	-893.607 -893.607	-893.607 -893.607
-893.697 -893.698	-893.697 -893.698	-893.697 -893.698
-893.788 -893.788	-893.788 -893.788	-893.788 -893.788
-893.878 -893.878	-893.878 -893.878	-893.878 -893.878
-893.969 -893.969	-893.969 -893.969	-893.969 -893.969
-894.059 -894.059	-894.059 -894.059	-894.059 -894.059
-894.149 -894.150	-894.149 -894.150	-894.149 -894.150
-894.240 -894.240	-894.240 -894.240	-894.240 -894.240
-894.330 -894.330	-894.330 -894.330	-894.330 -894.330
-894.421 -894.421	-894.421 -894.421	-894.421 -894.421
-894.511 -894.511	-894.511 -894.511	-894.511 -894.511
-894.601 -894.602	-894.601 -894.602	-894.601 -894.602
-894.692 -894.692	-894.692 -894.692	-894.692 -894.692
-894.782 -894.782	-894.782 -894.782	-894.782 -894.782
-894.873 -894.873	-894.873 -894.873	-894.873 -894.873
-894.963 -894.963	-894.963 -894.963	-894.963 -894.963
-895.053 -895.053	-895.053 -895.053	-895.053 -895.053
-895.144 -895.144	-895.144 -895.144	-895.144 -895.144
-895.234 -895.234	-895.234 -895.234	-895.234 -895.234
-895.325 -895.325	-895.325 -895.325	-895.325 -895.325
-895.415 -895.415	-895.415 -895.415	-895.415 -895.415
-895.500 -895.500	-895.500 -895.500	-895.500 -895.500
-895.575 -895.575	-895.575 -895.575	-895.575 -895.575
-895.639 -895.639	-895.639 -895.639	-895.639 -895.639
-895.692 -895.692	-895.692 -895.692	-895.692 -895.692
-895.735 -895.735	-895.735 -895.735	-895.735 -895.735
-895.767 -895.767	-895.767 -895.767	-895.767 -895.767

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-106-J	RD-106	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

GD. NO	61/1
CHAINAGE	60600.000
TYPE	3X2 BOX




Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-107-J	RD-107	A1	H=1:1000 V=1:100	July 2015

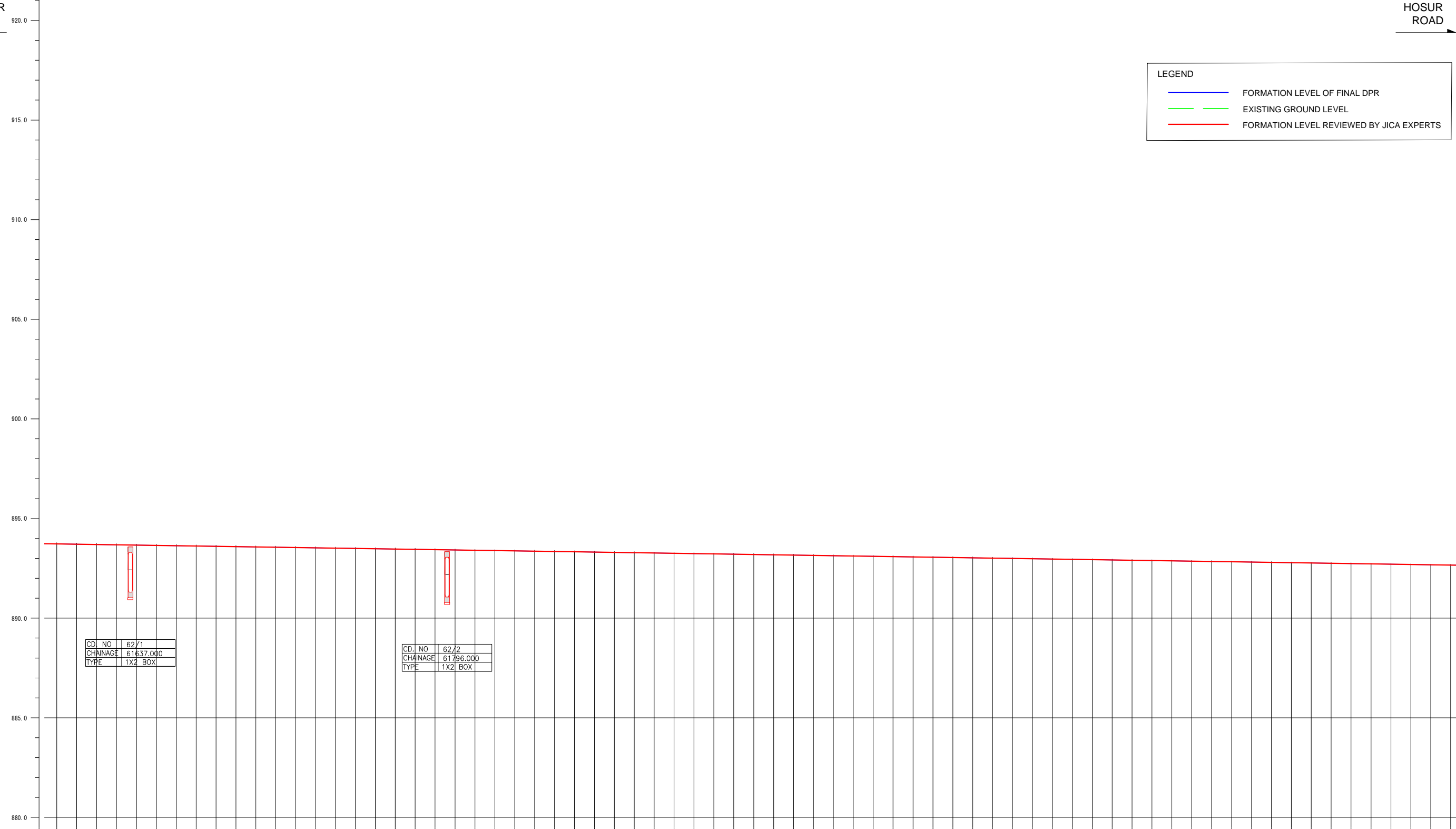




TUMKUR ROAD

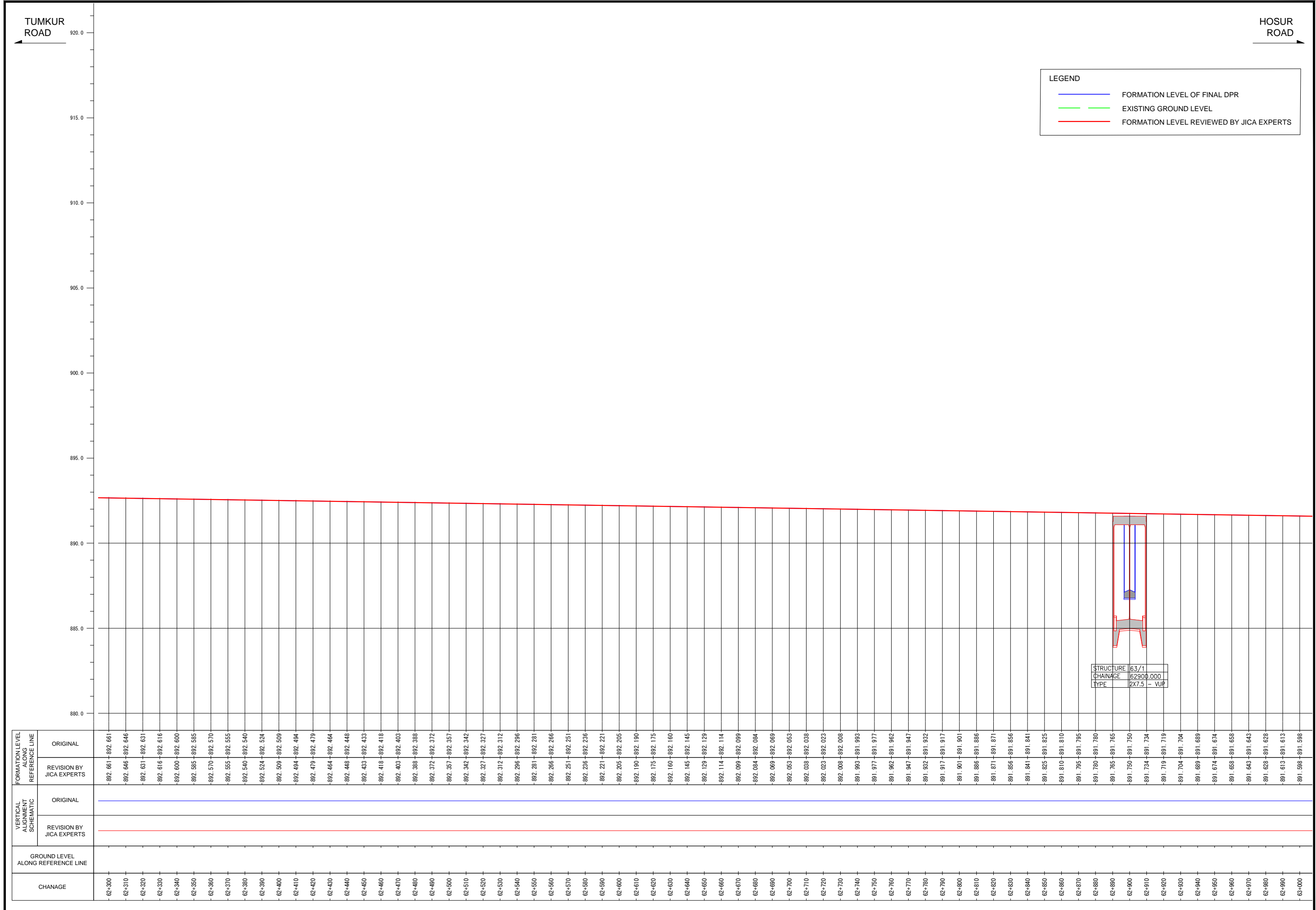
HOSUR ROAD

LEGEND	
	FORMATION LEVEL OF FINAL DPR
	EXISTING GROUND LEVEL
	FORMATION LEVEL REVIEWED BY JICA EXPERTS

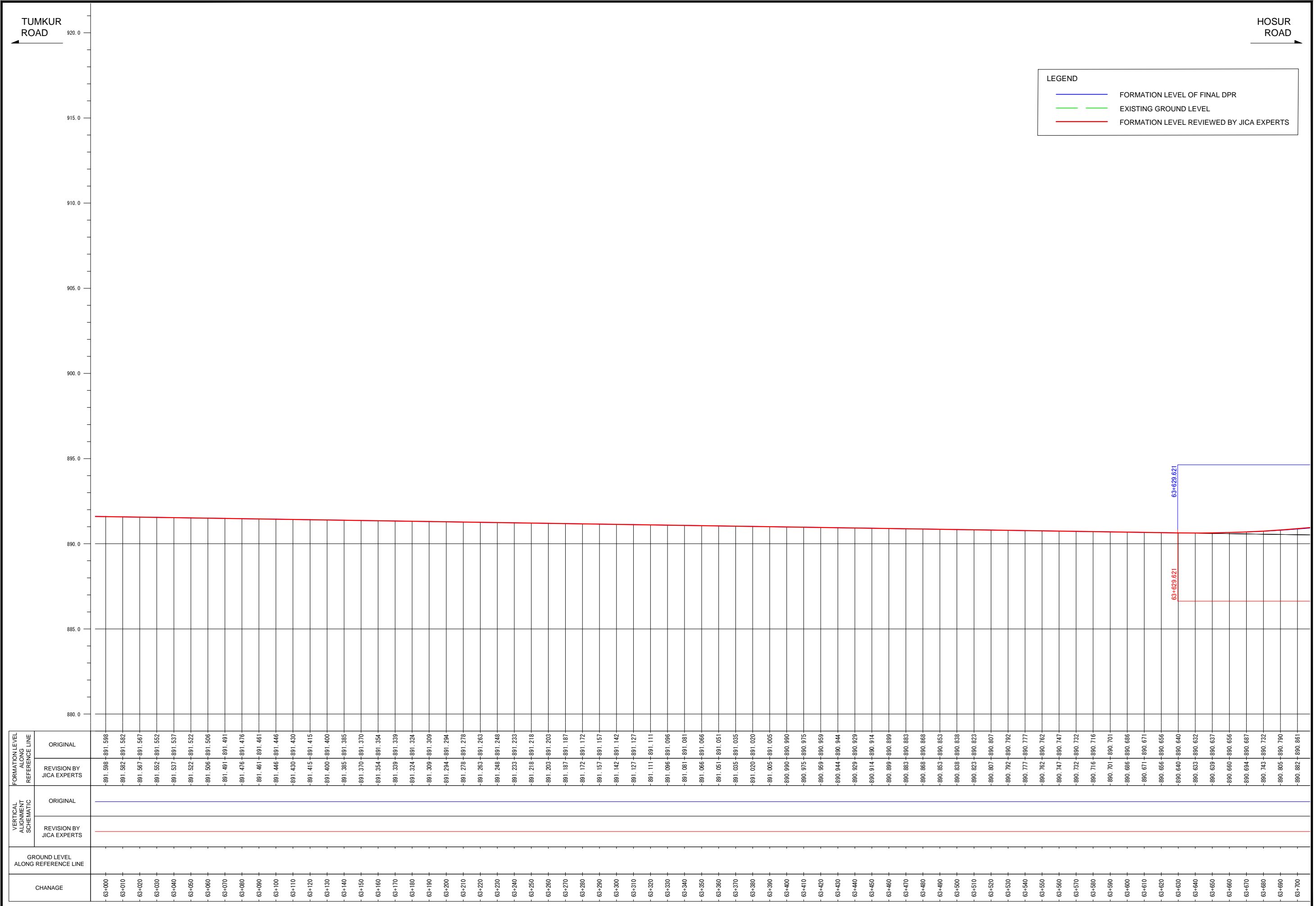


FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL		
REVISION BY JICA EXPERTS		
GROUND LEVEL ALONG REFERENCE LINE		
CHANAGE	61+600	62+300

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD PROFILE CH: 61+600 TO CH: 62+300	RD-109-J	RD-109	A1	H=1:1000 V=1:100	July 2015

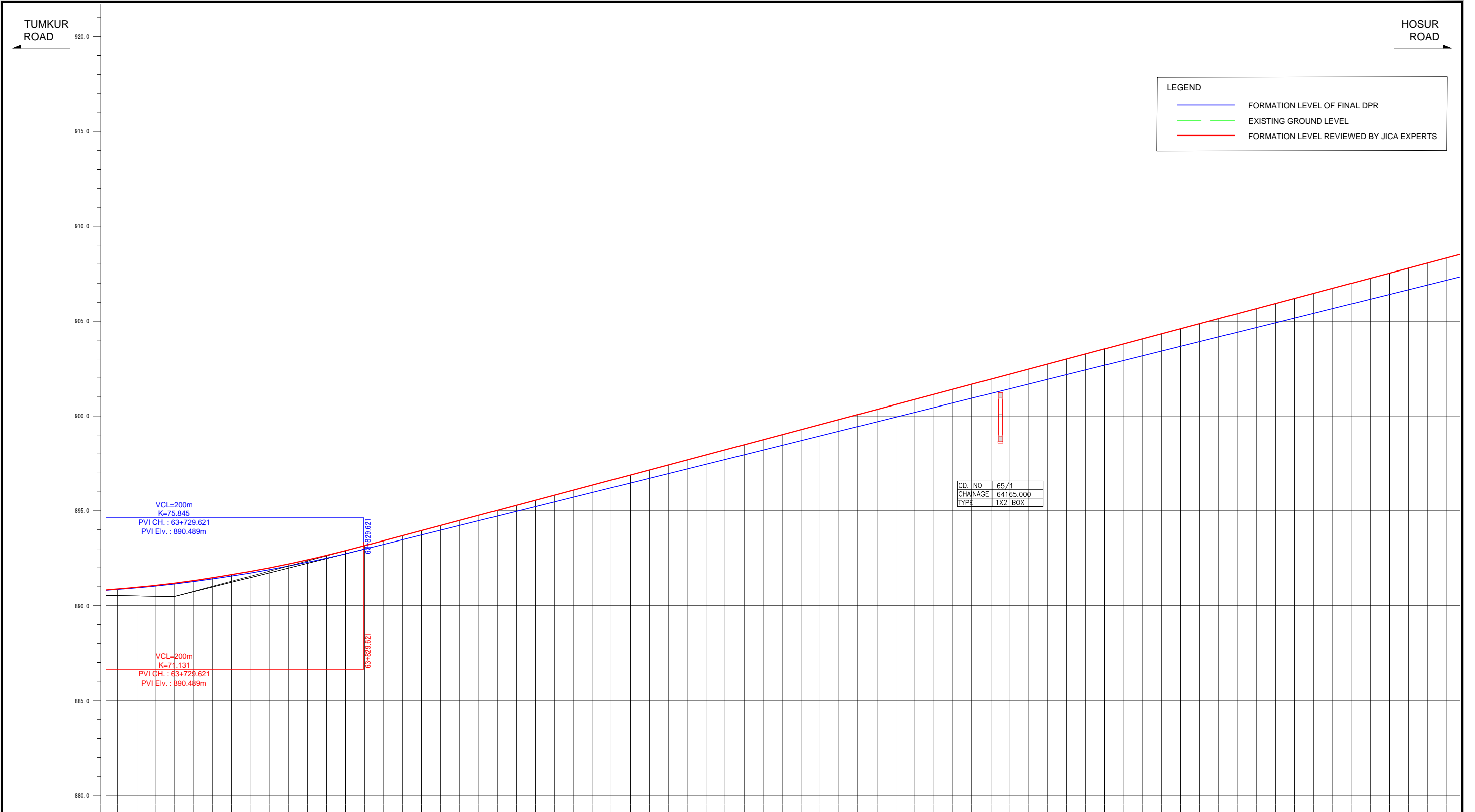


Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD PROFILE CH: 62+300 TO CH: 63+000	RD-110-J	RD-110	A1	H=1:1000 V=1:100	July 2015



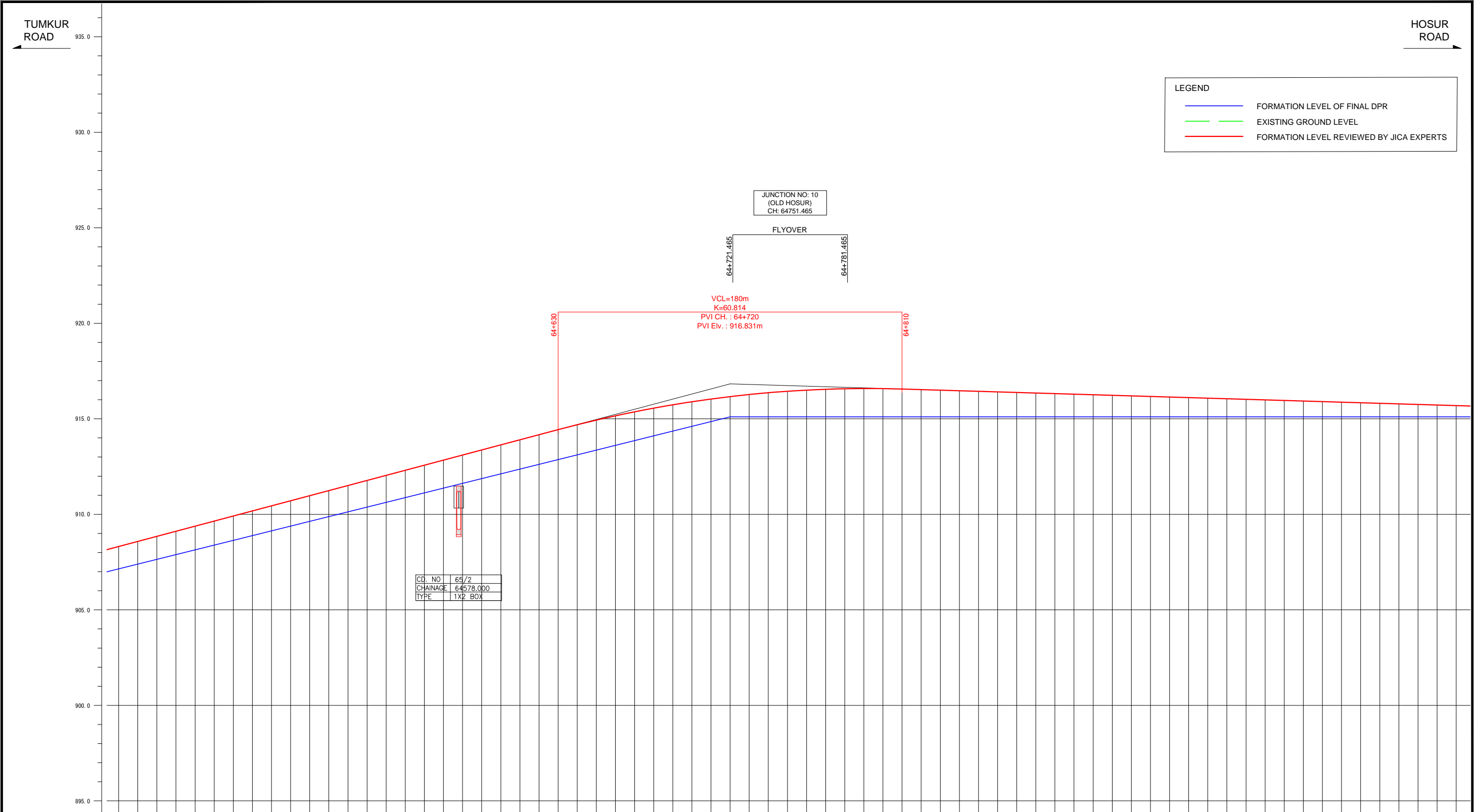
FORMATION LEVEL ALIGNMENT SCHEMATIC	FORMATION LEVEL REFERENCE LINE	
	ORIGINAL	REVISION BY JICA EXPERTS
ORIGINAL	[Blue line at approximately 891.5m]	
REVISION BY JICA EXPERTS	[Red line at approximately 887.0m]	

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-111-J	RD-111	A1	H=1:1000 V=1:100	July 2015



FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	-890.882 -890.861 -890.973 -890.945 -891.078 -891.042 -891.197 -891.153 -891.330 -891.276 -891.477 -891.413 -891.638 -891.563 -891.813 -891.727 -892.002 -891.903 -892.205 -892.093 -892.423 -892.296 -892.654 -892.512 -892.899 -892.741 -893.159 -892.983 -893.425 -893.232 -893.691 -893.480 -893.957 -893.729 -894.223 -893.977 -894.489 -894.226 -894.755 -894.474 -895.021 -894.723 -895.287 -894.971 -895.553 -895.220 -895.819 -895.468 -896.085 -895.717 -896.351 -895.965 -896.617 -896.214 -896.883 -896.462 -897.149 -896.711 -897.415 -896.959 -897.681 -897.208 -897.946 -897.456 -898.212 -897.705 -898.478 -897.953 -898.744 -898.202 -899.010 -898.450 -899.276 -898.699 -899.542 -898.947 -899.808 -899.196 -900.074 -899.444 -900.340 -899.693 -900.606 -899.941 -900.872 -900.190 -901.138 -900.438 -901.404 -900.687 -901.670 -900.935 -901.936 -901.184 -902.202 -901.432 -902.468 -901.681 -902.734 -901.929 -903.000 -902.178 -903.266 -902.426 -903.532 -902.675 -903.798 -902.923 -904.064 -903.172 -904.330 -903.420 -904.596 -903.669 -904.862 -903.917 -905.128 -904.166 -905.394 -904.414 -905.660 -904.663 -905.926 -904.911 -906.192 -905.160 -906.458 -905.408 -906.724 -905.657 -906.990 -905.905 -907.256 -906.154 -907.522 -906.402 -907.788 -906.651 -908.054 -906.899 -908.320 -907.148																																																																					
	REVISION BY JICA EXPERTS	-890.882 -890.861 -890.973 -890.945 -891.078 -891.042 -891.197 -891.153 -891.330 -891.276 -891.477 -891.413 -891.638 -891.563 -891.813 -891.727 -892.002 -891.903 -892.205 -892.093 -892.423 -892.296 -892.654 -892.512 -892.899 -892.741 -893.159 -892.983 -893.425 -893.232 -893.691 -893.480 -893.957 -893.729 -894.223 -893.977 -894.489 -894.226 -894.755 -894.474 -895.021 -894.723 -895.287 -894.971 -895.553 -895.220 -895.819 -895.468 -896.085 -895.717 -896.351 -895.965 -896.617 -896.214 -896.883 -896.462 -897.149 -896.711 -897.415 -896.959 -897.681 -897.208 -897.946 -897.456 -898.212 -897.705 -898.478 -897.953 -898.744 -898.202 -899.010 -898.450 -899.276 -898.699 -899.542 -898.947 -899.808 -899.196 -900.074 -899.444 -900.340 -899.693 -900.606 -899.941 -900.872 -900.190 -901.138 -900.438 -901.404 -900.687 -901.670 -900.935 -901.936 -901.184 -902.202 -901.432 -902.468 -901.681 -902.734 -901.929 -903.000 -902.178 -903.266 -902.426 -903.532 -902.675 -903.798 -902.923 -904.064 -903.172 -904.330 -903.420 -904.596 -903.669 -904.862 -903.917 -905.128 -904.166 -905.394 -904.414 -905.660 -904.663 -905.926 -904.911 -906.192 -905.160 -906.458 -905.408 -906.724 -905.657 -906.990 -905.905 -907.256 -906.154 -907.522 -906.402 -907.788 -906.651 -908.054 -906.899 -908.320 -907.148																																																																					
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL																																																																						
REVISION BY JICA EXPERTS																																																																							
GROUND LEVEL ALONG REFERENCE LINE	ORIGINAL																																																																						
REVISION BY JICA EXPERTS																																																																							
CHANAGE	63+700	63+710	63+720	63+730	63+740	63+750	63+760	63+770	63+780	63+790	63+800	63+810	63+820	63+830	63+840	63+850	63+860	63+870	63+880	63+890	63+900	63+910	63+920	63+930	63+940	63+950	63+960	63+970	63+980	63+990	64+000	64+010	64+020	64+030	64+040	64+050	64+060	64+070	64+080	64+090	64+100	64+110	64+120	64+130	64+140	64+150	64+160	64+170	64+180	64+190	64+200	64+210	64+220	64+230	64+240	64+250	64+260	64+270	64+280	64+290	64+300	64+310	64+320	64+330	64+340	64+350	64+360	64+370	64+380	64+390	64+400

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	MAIN ROAD PROFILE CH: 63+700 TO CH: 64+400	RD-112-J	RD-112	A1	H=1:1000 V=1:100	July 2015



LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

JUNCTION NO: 10  
(OLD HOSUR)  
CH: 64751.465

FLYOVER

VCL=180m  
K=60.814  
PVI CH.: 64+720  
PVI Elev.: 916.831m

CD. NO	65/2
CHAINAGE	64578.000
TYPE	1XP BOX

FORMATION LEVEL ALIGNMENT REFERENCE LINE	ORIGINAL	-908.320 -907.148	-908.320	-907.148																																																																			
	REVISION BY JICA EXPERTS	-908.586 -907.396	-908.586	-907.396																																																																			
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	0.000% L=576.908m																																																																					
	REVISION BY JICA EXPERTS	-0.300% L=576.908m																																																																					
GROUND LEVEL ALONG REFERENCE LINE																																																																							
CHANAGE	64+400	64+410	64+420	64+430	64+440	64+450	64+460	64+470	64+480	64+490	64+500	64+510	64+520	64+530	64+540	64+550	64+560	64+570	64+580	64+590	64+600	64+610	64+620	64+630	64+640	64+650	64+660	64+670	64+680	64+690	64+700	64+710	64+720	64+730	64+740	64+750	64+760	64+770	64+780	64+790	64+800	64+810	64+820	64+830	64+840	64+850	64+860	64+870	64+880	64+890	64+900	64+910	64+920	64+930	64+940	64+950	64+960	64+970	64+980	64+990	65+000	65+010	65+020	65+030	65+040	65+050	65+060	65+070	65+080	65+090	65+100

Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-113-J	RD-113	A1	H=1:1000 V=1:100	July 2015

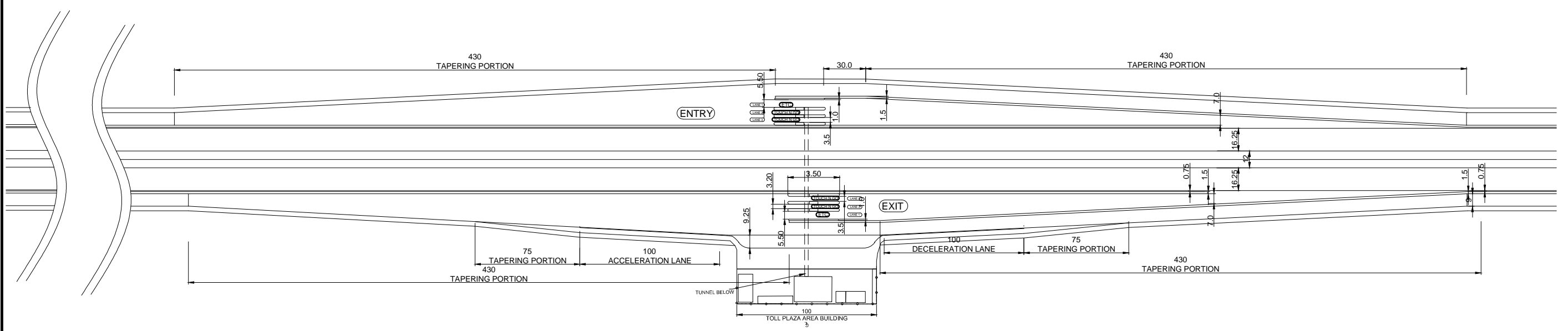
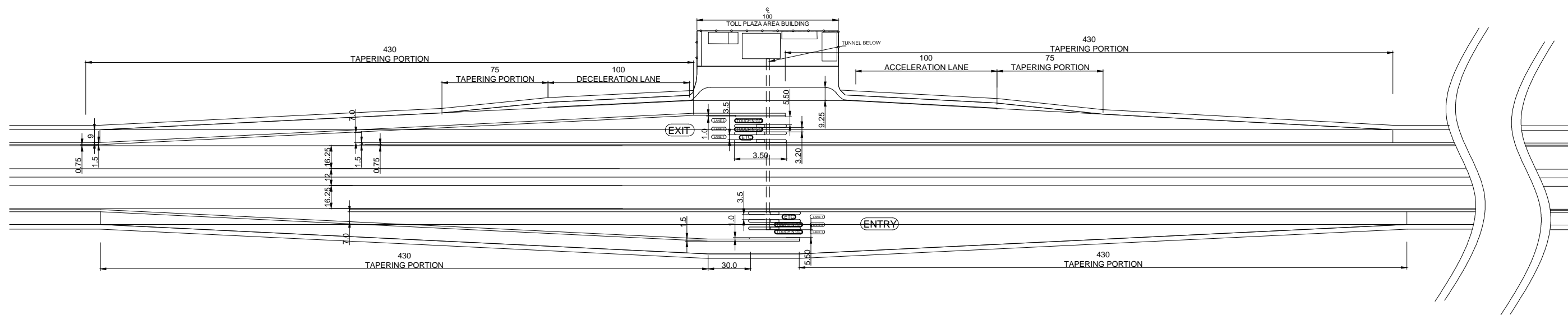


LEGEND	
<span style="color: blue;">—</span>	FORMATION LEVEL OF FINAL DPR
<span style="color: green;">—</span>	EXISTING GROUND LEVEL
<span style="color: red;">—</span>	FORMATION LEVEL REVIEWED BY JICA EXPERTS

FORMATION LEVEL ALONG REFERENCE LINE	ORIGINAL	-915.691 -915.100
	REVISION BY JICA EXPERTS	-915.661 -915.100
VERTICAL ALIGNMENT SCHEMATIC	ORIGINAL	
	REVISION BY JICA EXPERTS	
GROUND LEVEL ALONG REFERENCE LINE		
CHANGE		65+100 65+110 65+120 65+130 65+140 65+150 65+160 65+170 65+180 65+190 65+200 65+210 65+220 65+230 65+240 65+250 65+260 65+270 65+280 65+290 65+296.908
		-915.631 -915.100
		-915.601 -915.100
		-915.571 -915.100
		-915.541 -915.100
		-915.511 -915.100
		-915.481 -915.100
		-915.451 -915.100
		-915.421 -915.100
		-915.391 -915.100
		-915.361 -915.100
		-915.331 -915.100
		-915.301 -915.100
		-915.271 -915.100
		-915.241 -915.100
		-915.211 -915.100
		-915.181 -915.100
		-915.151 -915.100
		-915.121 -915.100
		-915.100 -915.100

Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title MAIN ROAD PROFILE CH: 65+100 TO CH: 65+296.908	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			RD-114-J	RD-114	A1	H=1:1000 V=1:100	July 2015

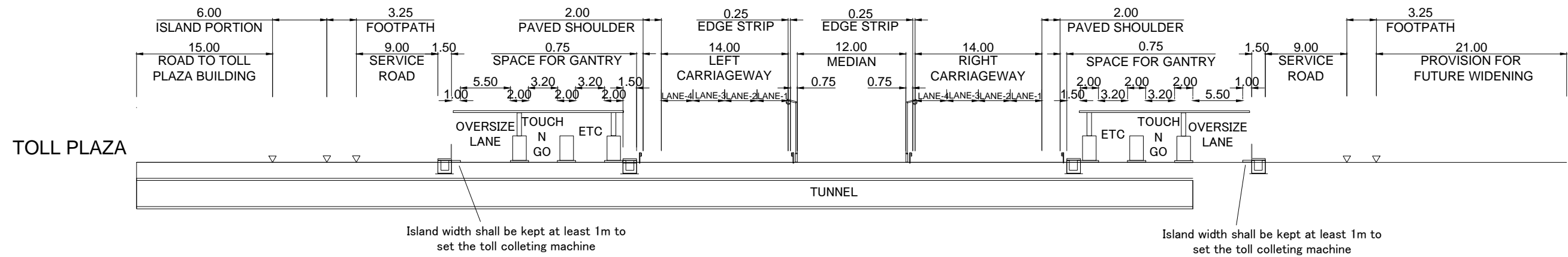
## **D. INTERCHANGES**



Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
					Additional Junction Plan	JE-007-R	

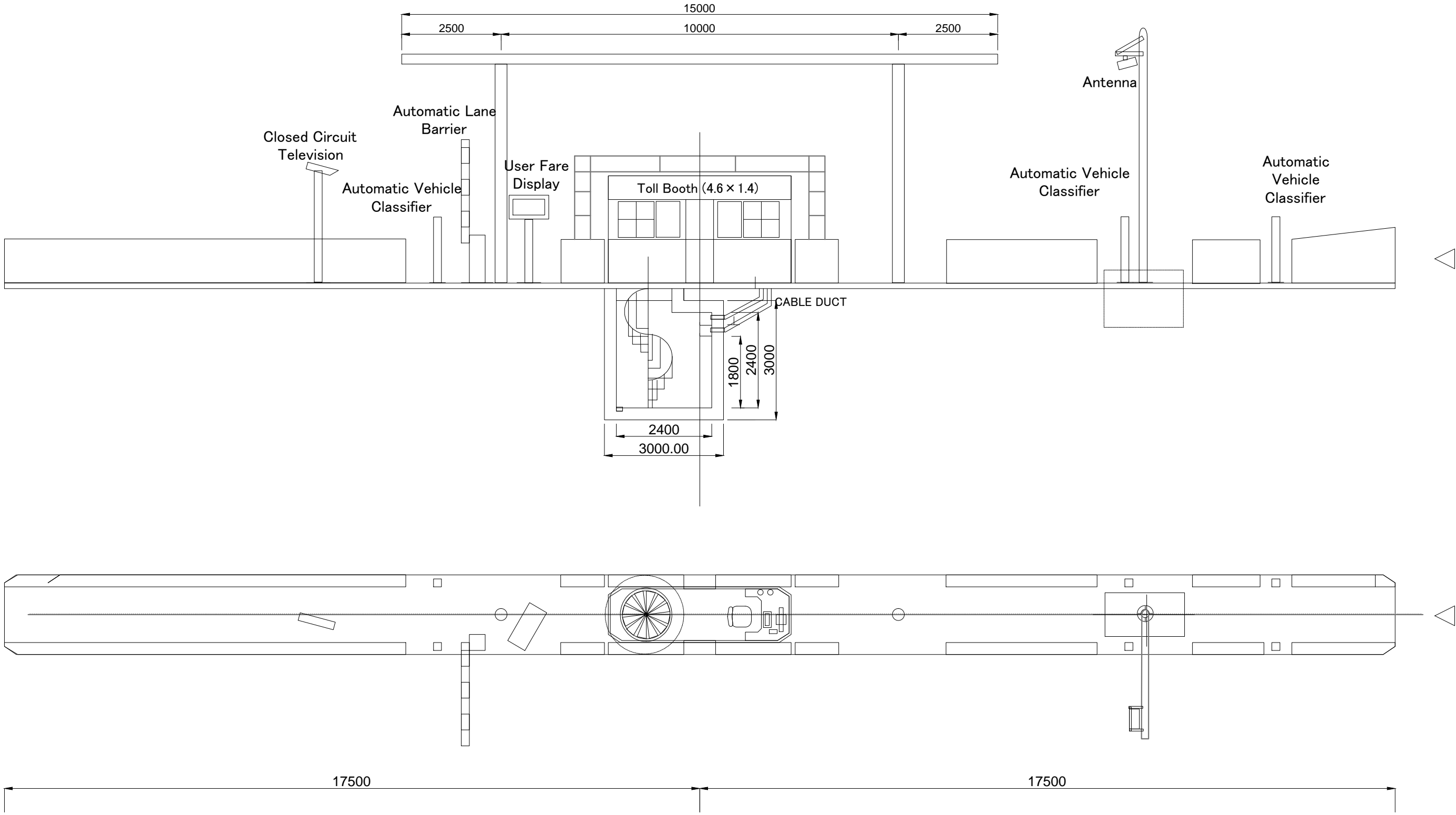


## Additional Junction Typical Cross Section



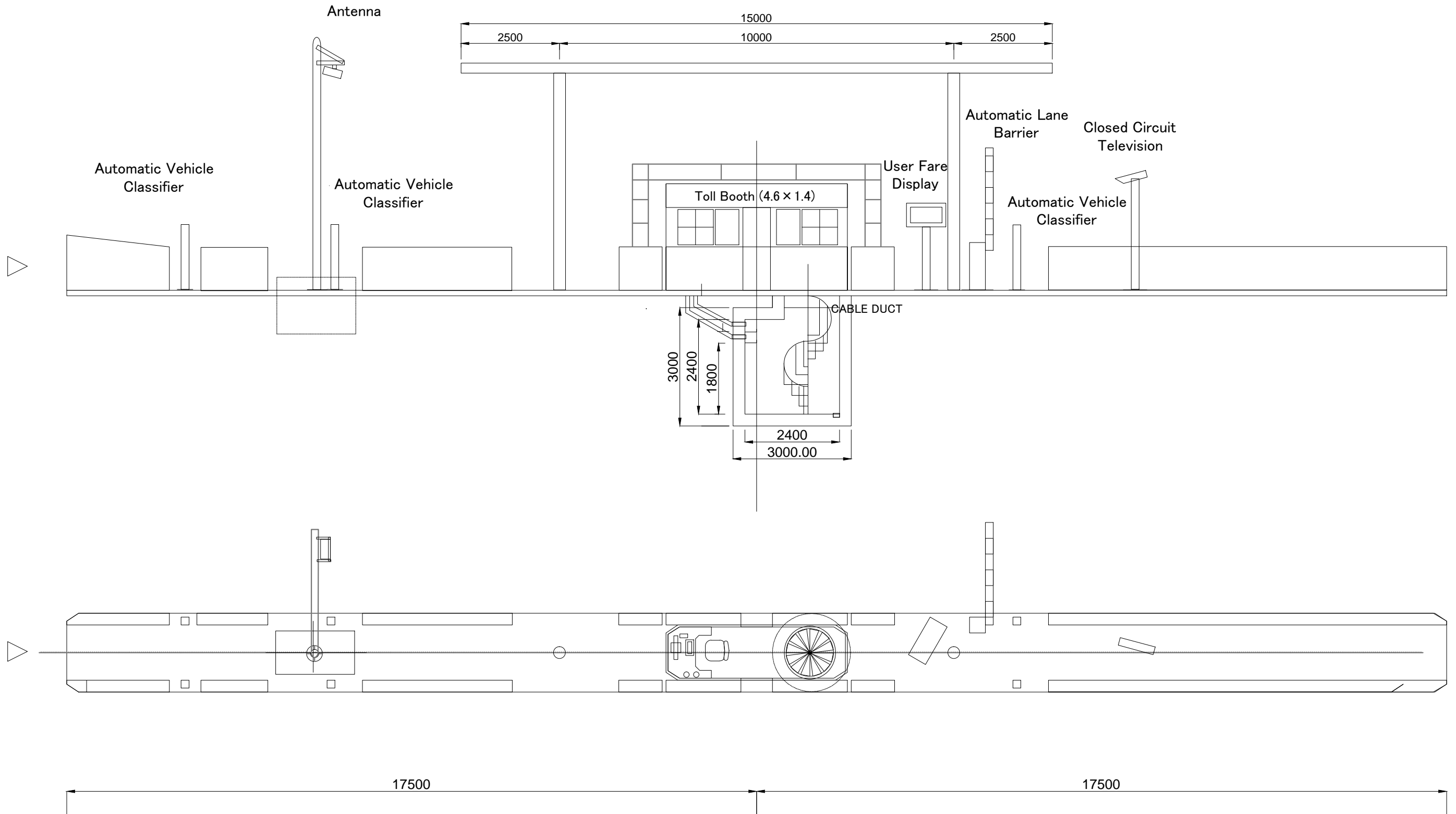
Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	Additional Junction Cross Section	JE-008-R		A1	1:250	July 2015

ENTRY (UNDERGROUND PASSAGE-SPIRAL STAIRS)



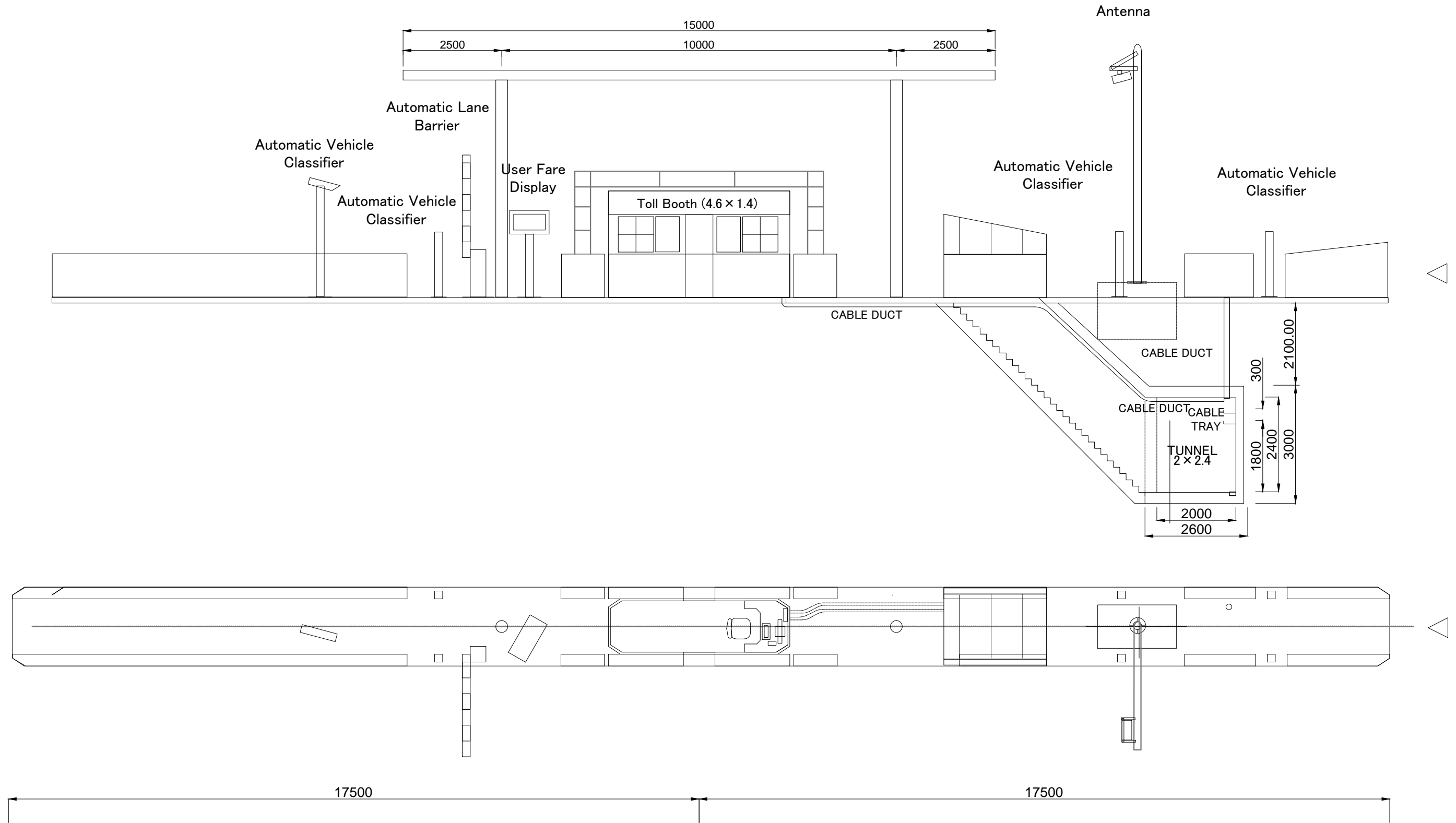
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title TOLL LANE (ENTRY-SPIRAL)	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			JE-009-R		A1	1:50	July 2015

EXIT (UNDERGROUND PASSAGE-SPIRAL STAIRS)



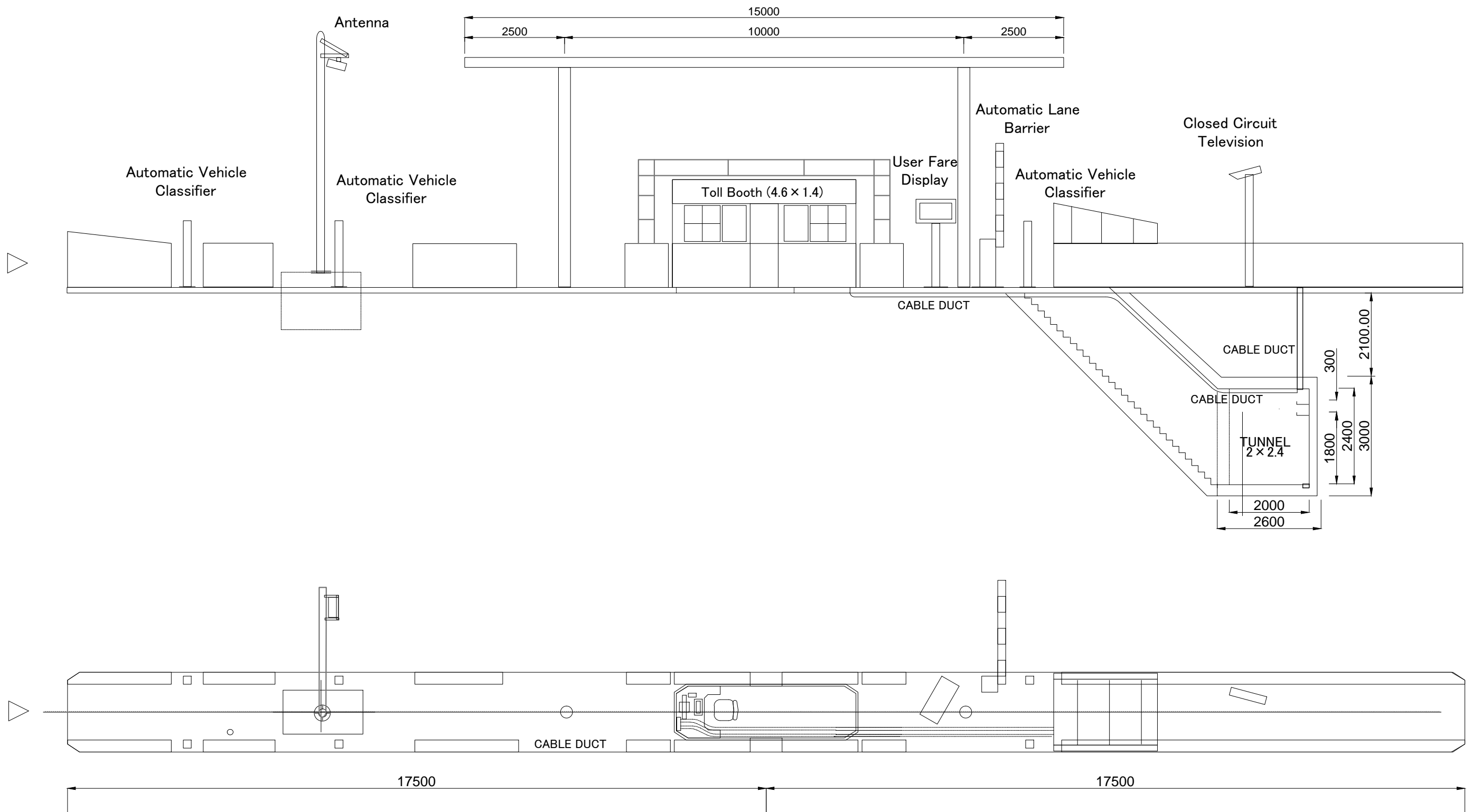
Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title TOLL LANE (EXIT-SPIRAL)	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			JE-010-R		A1	1:50	July 2015

ENTRY (UNDERGROUND PASSAGE-STAIRS)



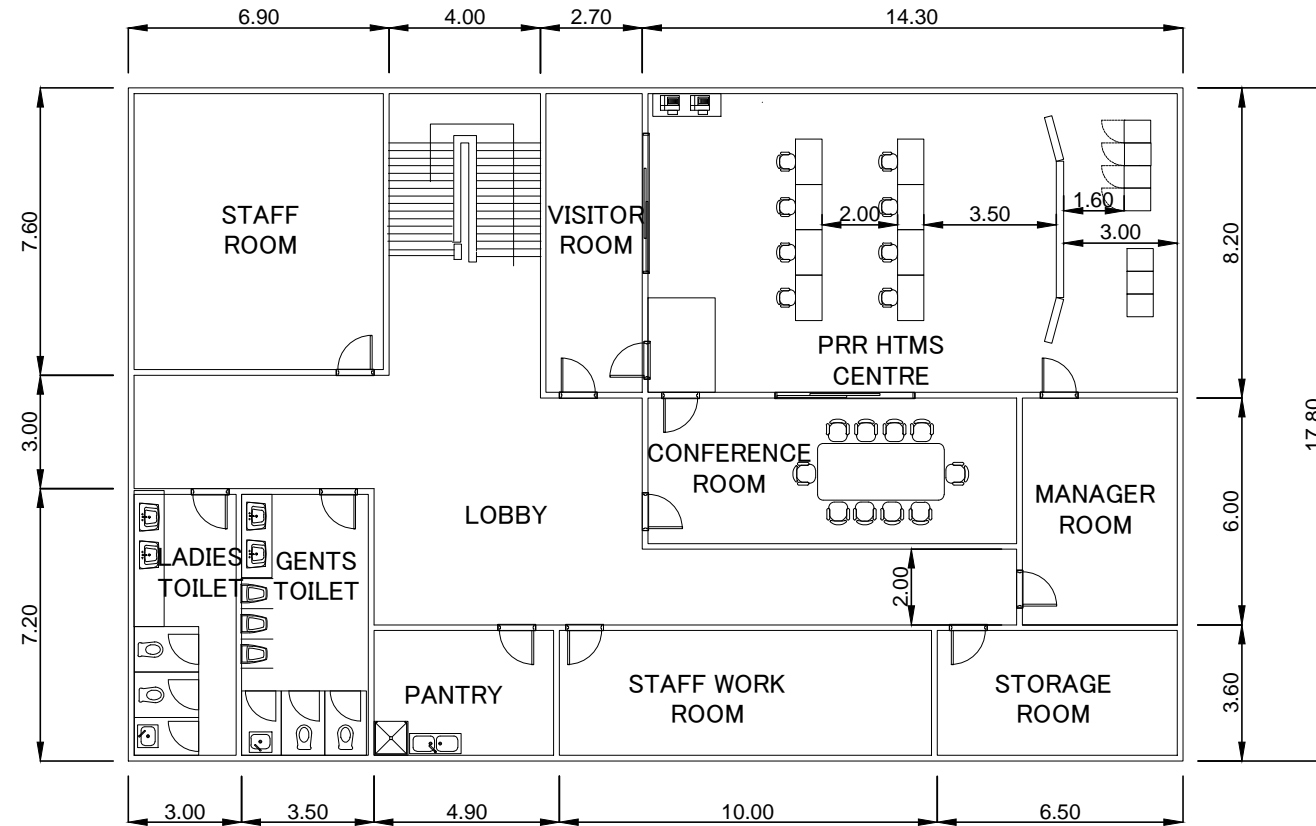
Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	TOLL LANE (ENTRY-NORMAL)	JE-011-R		A1	1:50	July 2015

EXIT (UNDERGROUND PASSAGE-STAIRS)

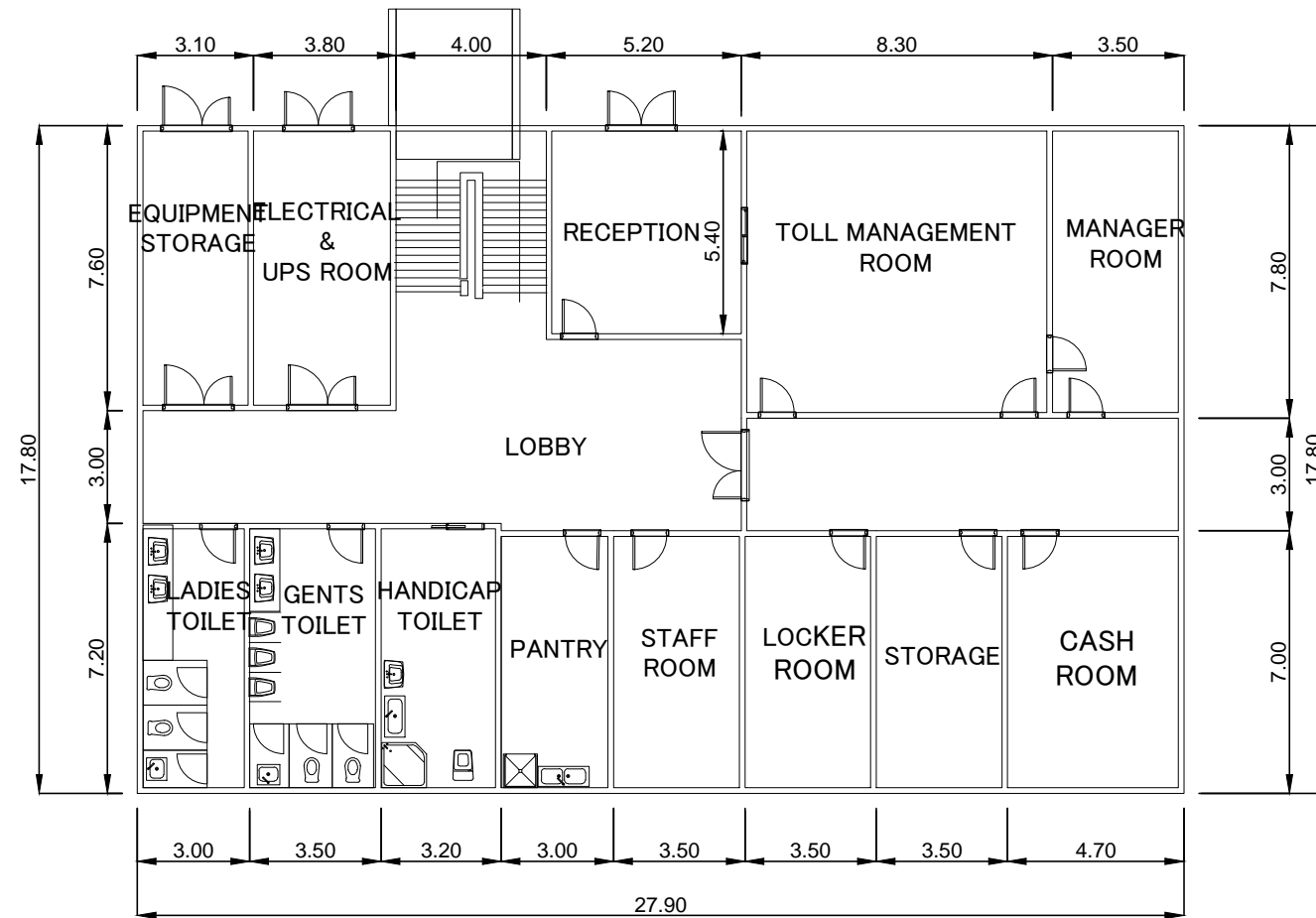


Note	Project Name JICA Experts on Bangaluru Peripheral Ring Road Project in India	Drawing Title TOLL LANE (EXIT-NORMAL)	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			JE-012-R		A1	1:50	July 2015

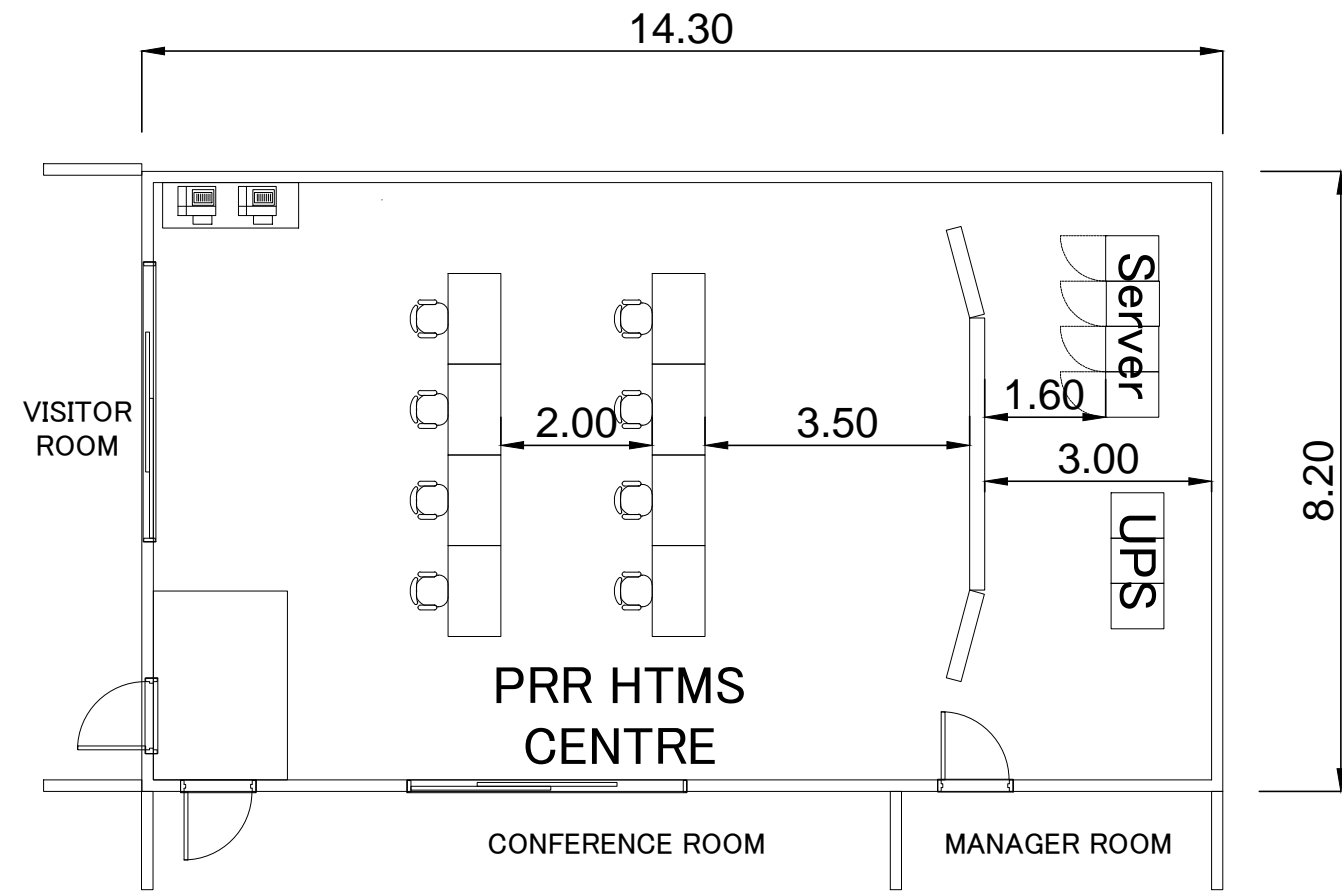
### PRR HTMS CENTRE (Reference)



### CONCEPTUAL FIRST FLOOR PLAN



Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
	JICA Experts on Bangaluru Peripheral Ring Road Project in India	Toll Plaza Building Floor Plan	JE-013-R		A1	1:100	July 2015



Note	Project Name	Drawing Title	Drawing No.	Referred DPR Drawing No.	Original Size	Scale	Date
			JE-014-R		A1	1:50	July 2015

Project Name  
JICA Experts on Bangaluru Peripheral Ring Road Project in India

Drawing Title  
Toll Plaza Building Floor Plan

Drawing No. JE-014-R  
 Referred DPR Drawing No.  
 Original Size A1  
 Scale 1:50  
 Date July 2015

# **E. GEOTECHNICAL INVESTIGATION REPORT**



# REPORT

ON

## SOIL INVESTIGATION

REPORT NO. KTH/SI/1925/2009-2010  
REPORT ON THE SOIL INVESTIGATION FOR  
HIGHWAY PROJECT BETWEEN BANGALORE-  
NELAMANGALA SECTION OF NH-4 FROM  
CH:10.0KM TO 29.50KM AT CH : 16+100  
(VEHICULAR UNDER PASS).

FOR

M/s. NAVAYUGA ENGINEERING COMPANY LTD,  
O.39, ITI LAYOUT, RMV 2<sup>ND</sup> STAGE, NEW BEL  
ROAD, BANGALORE-560 054.



**KARNATAKA TEST HOUSE PVT LTD.**

# 778/44, Gokul 1st Stage, 2nd Phase, 8th Cross, Triveni Road,  
Yeshwanthpur, Bangalore - 560 054.

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NABL Accredited Laboratory as per ISO/IEC 17025

**REPORT ON THE SOIL INVESTIGATION FOR HIGHWAY PROJECT BETWEEN BANGALORE-NELAMANGALA SECTION OF NH-4 FROM CH:10.0KM TO 29.50KM AT CH : 16+100 (VEHICULAR UNDER PASS).**

### INTRODUCTION :

M/s. Navayuga Engineering Company Ltd, No.39, ITI Layout, RMV 2<sup>nd</sup> Stage, New BEL Road, Bangalore-560054 has proposed to construct a "VEHICULAR UNDER PASS AT CH:16+100km OF BANGALORE-NELAMANGALA SECTION OF NH-4"

In order to get necessary data for designing the structure. The customer has proposed soil investigation at the above site and entrusted the job of carrying out the investigation to us. Accordingly, necessary field investigation and laboratory tests were conducted and the results with recommendation are furnished herein.

### SCOPE OF WORK

This includes the following

1. Advancing 2 bore hole up to 20m depth and 1 bore hole up to 4.0m.
2. Collecting undisturbed / disturbed soil samples at regular intervals.
3. Conducting standard penetration tests at relevant intervals.
4. Conducting laboratory investigations.
5. Furnishing detailed technical report with recommendations.

### STRUCTURE

The proposed structure is of reinforced cement concrete structure.

Note : 1) This report is not to be reproduced except in full without our prior permission in writing.  
2) The results listed refer only to the tested samples and applicable parameters.





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### FIELD INVESTIGATION

Soil sampling has been conducted as per relevant I.S.1892-1979.

This consists of the following :

1. Physical observation and general survey.
2. Sinking of **Two** bore hole up to 20.0m and **One** bore hole up to 4.0m depth at specified location using rotary drilling equipment by wash boring technique.
3. Conducting standard penetration tests at relevant depths.
4. Collection of undisturbed soil samples at specified depths for determination of cohesion (C) and friction factor ( $\phi$ ).
5. Collection of disturbed soil sample at specified depths for conducting Grain size analysis, determination of proctor density, water content, liquid limit and plastic limit.

### LABORATORY INVESTIGATION

This includes the following.

1. Conducting liquid & plastic limit tests on disturbed soil for classification.
2. Grain Size Distribution by wet sieve analysis.
3. Determination of natural moisture content and in-situ density.
4. Conducting proctor density and optimum moisture content.
5. Conducting shear tests on undisturbed soil sample and determination of C and ( $\phi$ ).

The tests are conducted as per the methods and guidelines given in relevant Indian Standard Codes and Specifications. The test results are given in table 1 & 2. Location of borehole shown in Sketch No.1 and Graph of grain size analysis is shown in sketch No.2.

No water table was encountered during the field investigation.

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### RECOMMENDATION :

#### **BORE HOLE No. 1 at Chainage : 16+100**

The Sub soils at this location up to a depth of 5.00 m below the existing GL consists of dense Reddish brown silty sand having 0 to 3% gravel, 65% to 78% sand and 19% to 35% silt and clay. Liquid limit varies from 38% to 47% and Plasticity index ranging from 12% to 17%. The N values ranges from 28 to 77 and increases with depth. From 5.00m to 13.0m depth there exists the Greyish white soft disintegrated rock with N value is greater than 100. From 13.0m to 20.0m depth ie.termination of borehole, there exists whitish grey hard granitic rock with CR =12.5 to 54.66% and RQD = 7.5 to 33.33%.

The Safe Bearing Capacity of the soils and the allowable rock pressure based on N values for various depths are given below:

Depth below the existing ground level	Type of soil / Rock	S.B.C in T/M <sup>2</sup>
2.0m	Dense Reddish brown Silty sand with clay binder	16.0
4.0m	- " -	20.0
5.0m-13.0m	Greyish white soft disintegrated rock	25.0
13.0m-20.0m	Hard granitic rock	150.0

#### **BORE HOLE No. 2 at Chainage : 16+100**

At this location up to a depth of 1.50m below the existing ground level there exists medium dense Reddish brown silty sand with clay binder. From 1.50m to 2.50m depth there exists a layer of grayish white hard granitic rock with Core recovery (CR) = 28% and Rock quality designation (RQD) = 0%. From 2.50m to 7.50m is Dark grey amphibolitic rock with Core recovery (CR) = 23.33% and Rock quality designation (RQD) = 0%. From 7.50m to 12.0m highly disintegrated rock with CR = 0% and RQD = 0%. From 12.0m to 18.0m (i.e termination of the bore hole there exists yellowish white hard granitic rock with Core recovery (CR) = 10% to 33.33% and Rock quality designation (RQD) = 0%. The Safe Bearing Capacity of the soils and the allowable rock pressure based on N values for various depths are given below:

Depth below the existing ground level	Type of soil / Rock	S.B.C in T/M <sup>2</sup>
1.50m	SDR	25.00
1.5m to 12.0m	Hard dark grey Amphibolitic	150.0
12.0m to 18.0m	Greyish white dense Silty sand	250.0

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**BORE HOLE No. 3 at Chainage : 16+100**

The Sub soils at this location from GL to a depth of 2.50m is filled up. Below this from 2.50m to 4.0m consists of reddish brown silty sand with gravel having gravel = 1% to 11%, sand = 66% to 69%, silt and clay = 23% to 37%. Liquid limit =28% to 30% and Plasticity index =8% to 10%. The N values ranges from 38 to 43. the bore hole is terminated at 4.0m from the existing ground level.

The Safe Bearing Capacity of the soils based on C,  $\phi$ , and N values for various depths are given below:

Depth below the existing ground level	Type of soil / Rock	S.B.C in T/M <sup>2</sup>
2.50m	Silty sand with gravel & clay binder	18.0
4.0m	- " -	20.0

All loose soil in the foundation shall be removed before placing the concrete. Any change in soil strata if found during execution shall be brought to the notice of the Engineer-in-charge.

The safe bearing capacity is calculated using N and  $R_d$  values. A typical calculation is shown in Appendix. The recommendations are restricted to the locations around the investigation points only.

For **KARNATAKA TEST HOUSE PVT. LTD.**

**SREENIVASA.C, B.E.,  
TECHNICAL MANAGER**

**A.NARAYANA, B.E. MIE., MIGS.,  
Superintending Engineer (Retd.), KPWD  
CHAIRMAN & MANAGING DIRECTOR**

**Dr. R. SATHYAMURTHY,  
B.E., M.Sc., (Engg.), Ph.D., MIE., MIGS.,  
CHIEF TECHNICAL CONSULTANT**



**APPENDIX**

**From Settlement Criteria:**

**For BH – 1 @ 2.00m (Ch : 16+100)**

$$q_a = 54.4 (N - 3) \left( \frac{B + 0.30}{2B} \right)^2 \times R_w \times R_d$$

$$N = 28 \quad N' = 24 \quad N'' = 19$$

$$q_a = 54.4 (19 - 3) \left( \frac{1.50 + 0.30}{2 \times 1.50} \right)^2 \times 0.50 \times 1.00$$

$$q_a = 15.06T/m^2 \approx 16.0 T/m^2$$





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T-0901

Project No.KTH/SI/1925/2009-10

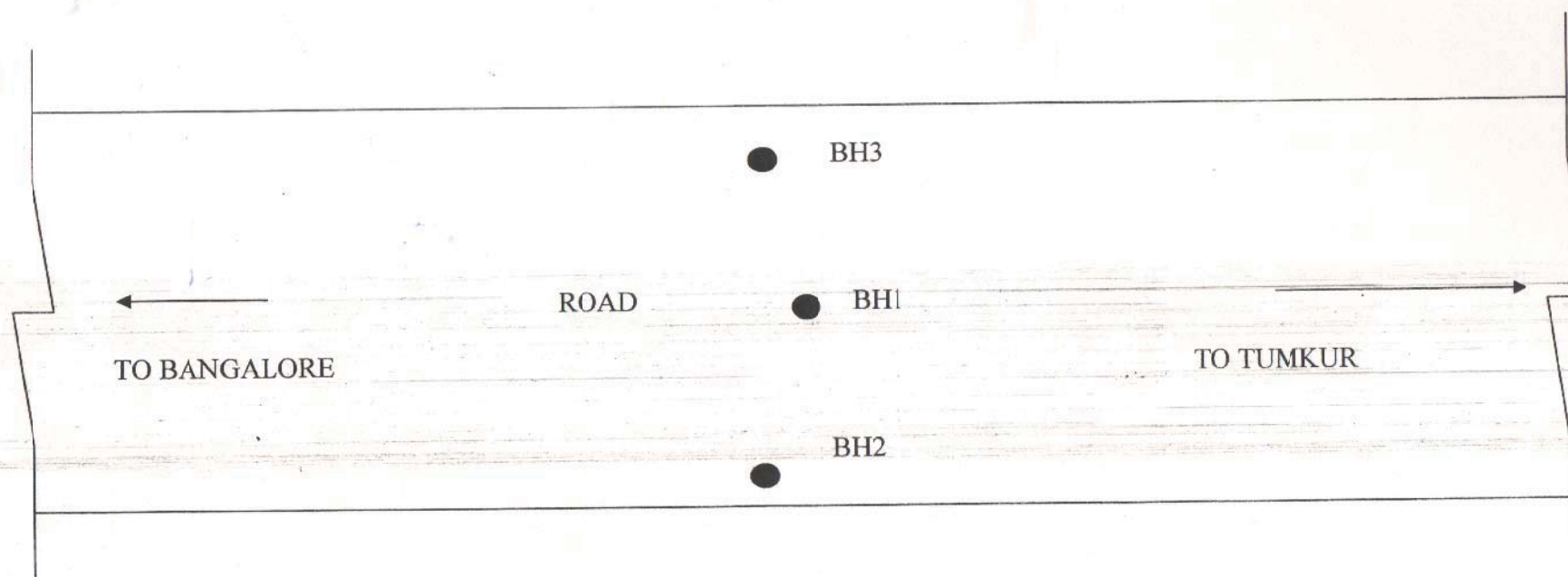
Table – 1

Sl. No.	BH. No.	Depth in mts.	Field Moisture Content %	Density g/cc		C T/m <sup>2</sup>	φ <sup>0</sup>
				γ <sub>b</sub>	γ <sub>d</sub>		
1	BH1(Ch:16+100)	1.50	11.30	1.86	1.67	0.80	28
2	BH1(Ch:16+100)	3.00	14.29	2.00	1.75	0.20	32
3	BH3(Ch:16+100)	1.50	12.77	1.96	1.74	0.20	29
4	BH3(Ch:16+100)	3.00	19.18	2.07	1.74	0.40	30

Table – 2

Sl. No.	BH No.	Depth in Mts.	Grain Size Analysis					Liquid Limit %	Plastic Limit %	Plasticity Index	Soil Classification as per IS : 1498 – 1970
			Gravel %	Sand %			Silt & Clay %				
				Coarse	Med.	Fine					
1.	BH1(Ch:16+100)	2.00	-	5	26	34	35	47	30	17	SC : Silty sand with clay binder
2.	BH1(Ch:16+100)	3.50	-	2	22	37	39	40	28	12	- " -
3.	BH1(Ch:16+100)	5.00	3	13	31	34	19	38	24	14	- " -
4.	BH1(Ch:16+100)	6.50	4	11	27	35	23	37	25	12	- " -
5.	BH1(Ch:16+100)	8.00	1	4	22	46	27	38	25	13	- " -
6.	BH3(Ch:16+100)	2.00	11	9	26	31	23	28	20	08	SC : Silty sand with gravel & Clay binder
7.	BH3(Ch:16+100)	4.00	1	5	26	31	37	30	20	10	SC : Silty sand with Clay binder

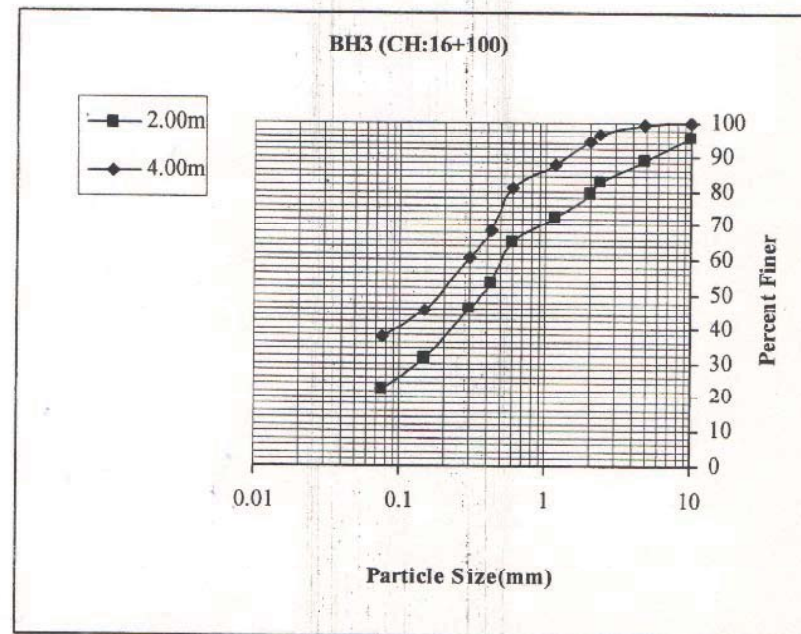
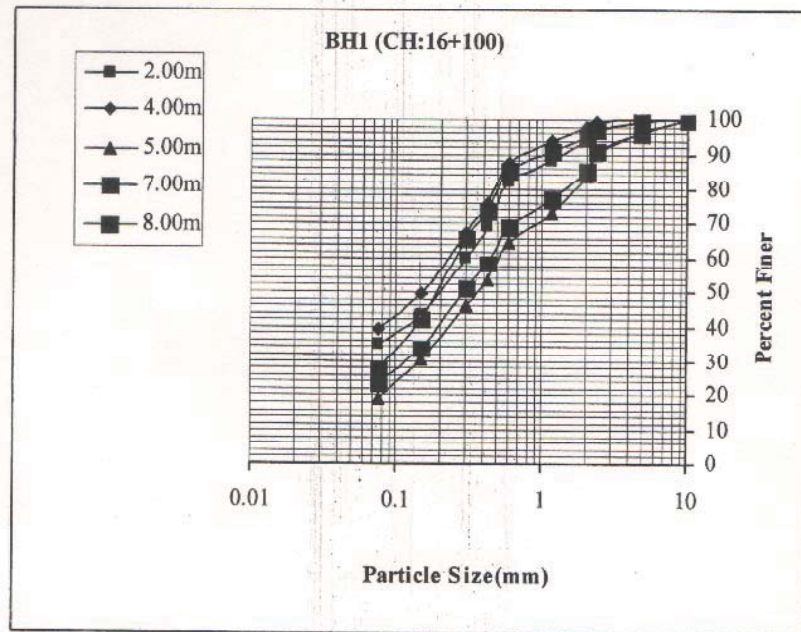
Project No. KTH/SI/1925/2009-10



LOCATION OF BORE HOLES

REPORT ON THE SOIL INVESTIGATION FOR HIGHWAY PROJECT BETWEEN BANGALORE-NELAMANGALA SECTION OF NH-4 FROM CH:10.0KM TO 29.50KM AT CH : 16+100 (VEHICULAR UNDER PASS)





SK-2





Contd... 1 (16+100)

Depth below GL (M)	Soil Description	Thick-ness of Strata (m)	Legend	Details of Sampling		Standard Penetration Test Data		
				Depth (m)	Type	Depth (m)	"N" Value	Rel. density or consistency
12	Greyish Soft Disintegrated Rock	1.00		13.0				
13								
14	Whitish grey hard granitic rock	2.00		15.0				CR= 12.5% RQD= 0%
15	Whitish grey hard granitic rock	1.50						
16	Whitish grey hard granitic rock	1.50		16.5				CR= 54.66% RQD= 30.0%
17	Whitish grey hard granitic rock	1.50						
18	Greyish white hard granitic rock	2.00		18.0				CR= 53.33% RQD= 33.33
19	Greyish white hard granitic rock	2.00						
20				20.0				CR= 50.0% RQD= 7.5%

Bore hole is terminated at 20.0m from the Existing ground level.

GL - Existing Ground Level  
UDS - Undisturbed sample  
DS - Disturbed sample  
\* - Sample not retrieved.

GWL - Ground water level  
SPT - Standard Penetration Test  
CR - Core Recovery  
RQD - Rock Quality Designation



**BORE LOG**

Project No/KTH/1925/2009-10

CLIENT : M/s. NAVAYUGA ENGINEERING COMPANY LTD,  
No.39, ITI Layout, RMV 2<sup>nd</sup> Stage,  
New BEL Road, Bangalore-560054.

PROJECT : Bangalore - Nelamangala Section of NH-4 at Chainage : 16+ 100

Type of Drilling : Hydraulic Rotary Drilling by wash boring method.

BH NO : 2 (Chainage: 16+100)

GWL : Not Encountered

Date of Commencement : 25.04.2009

Date of Completion : 27.04.2009

Depth below GL (M)	Soil Description	Thick-ness of Strata (m)	Legend	Details of Sampling		Standard Penetration Test Data		
				Depth (m)	Type	Depth (m)	"N" Value	Rel. density or consistency
0				1.50				
1	Reddish brown silty sand	1.50						
2	Greyish white hard granitic rock	1.00		2.50				CR= 28.0% RQD= 0%
3								
4				5.00				CR= 23.33% RQD= 0%
5	Dark grey Amphibolitic rock	5.00						
6				7.50				
7								
8				4.50				
9	Highly Disintegrated Rock	4.50						
10				12.0				CR= 0% RQD= 0%
11								
12								





Contd... 2 (16+100)

Depth below GL (M)	Soil Description	Thick-ness of Strata (m)	Legend	Details of Sampling		Standard Penetration Test Data		
				Depth (m)	Type	Depth (m)	"N" Value	Rel. density or consistency
12	Yellowish white hard granitic rock	1.50		13.5				CR= 12.0% RQD= 0%
13								CR= 10.0% RQD= 0%
14	Yellowish white hard granitic rock	1.50		15.0				CR= 16.0% RQD= 0%
15								CR= 33.33% RQD= 0%
16	Whitish hard granitic rock	1.50		18.0				
17								
18								
19								
20								

Bore hole is terminated at 18.0m from the Existing ground level.

GL - Existing Ground Level  
UDS - Undisturbed sample  
DS - Disturbed sample  
\* - Sample not retrieved.

GWL - Ground water level  
SPT - Standard Penetration Test  
CR - Core Recovery  
RQD - Rock Quality Designation



**BORE LOG**

Project No/KTH/1925/2009-10

**CLIENT :** M/s. NAVAYUGA ENGINEERING COMPANY LTD,  
No.39, ITI Layout, RMV 2<sup>nd</sup> Stage,  
New BEL Road, Bangalore-560054.

**PROJECT :** Bangalore - Nelamangala Section of NH-4 at Chainage : 16+ 100

**Type of Drilling :** Hydraulic Rotary Drilling by wash boring method.

**BH NO :** 3 (Chainage: 16+100)

**GWL :** Not Encountered

**Date of Commencement :** 27.04.2009

**Date of Completion :** 28.04.2009

Depth below GL (M)	Soil Description	Thick-ness of Strata (m)	Legend	Details of Sampling		Standard Penetration Test Data		
				Depth (m)	Type	Depth (m)	"N" Value	Rel. density or consistency
0	Filled up soil	2.50		1.50	UDS	2.00	13/17/21 N=38	
1								
2	Reddish silty sand with gravel	1.50		3.00	UDS	3.50	16/18/25 N = 43	
3								
4				4.00				
5								
6								
7								
8								

Bore hole is terminated at 4.00m from the Existing ground level.

GL - Existing Ground Level  
UDS - Undisturbed sample  
DS - Disturbed sample  
\* - Sample not retrieved.

GWL - Ground water level  
SPT - Standard Penetration Test  
CR - Core Recovery  
RQD - Rock Quality Designation