

Environmental Impact Assessment

October 2020

India: Bengaluru Metro Rail Project

Phase 2B (Airport Metro Line)

KR Puram to Kempegowda International Airport

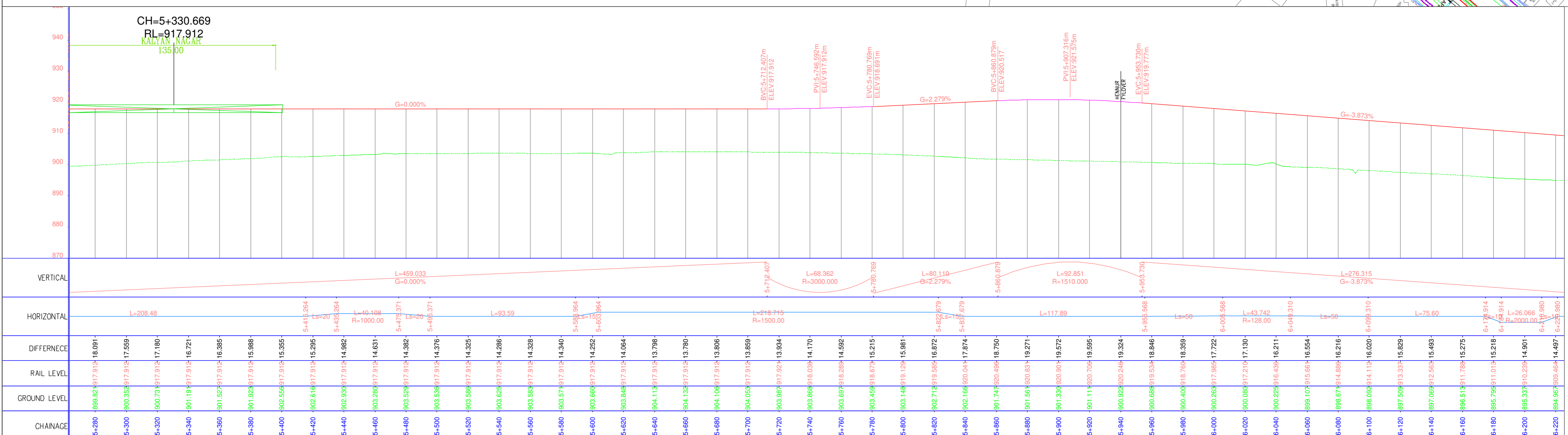
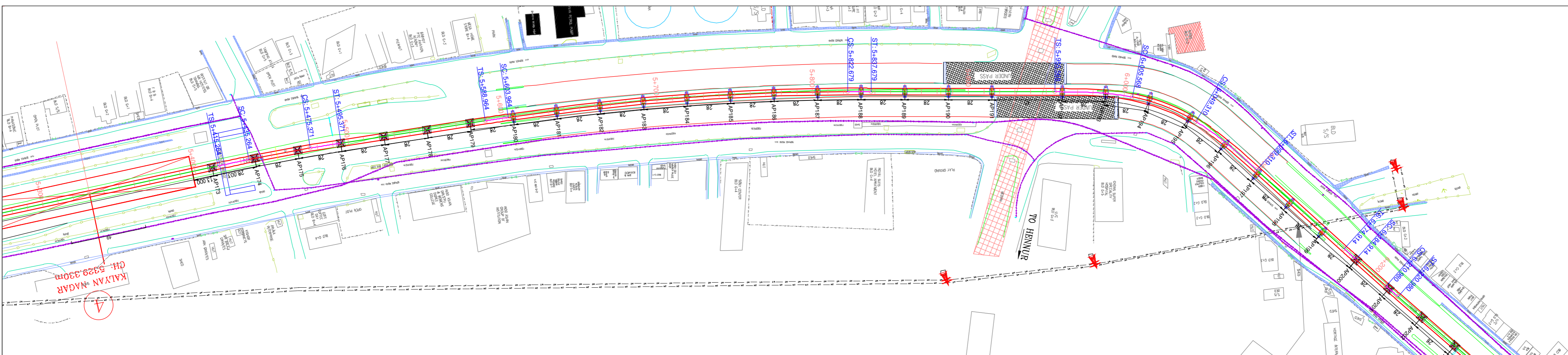
Volume 11
Annex 5

NOTES

- (i) The fiscal year (FY) of the Government of India and its agencies ends on 31 March. "FY" before a calendar year denotes the year in which the fiscal year ends, e.g., FY2019 ends on 31 March 2019.
- (ii) In this report, "\$" refers to United States dollars.


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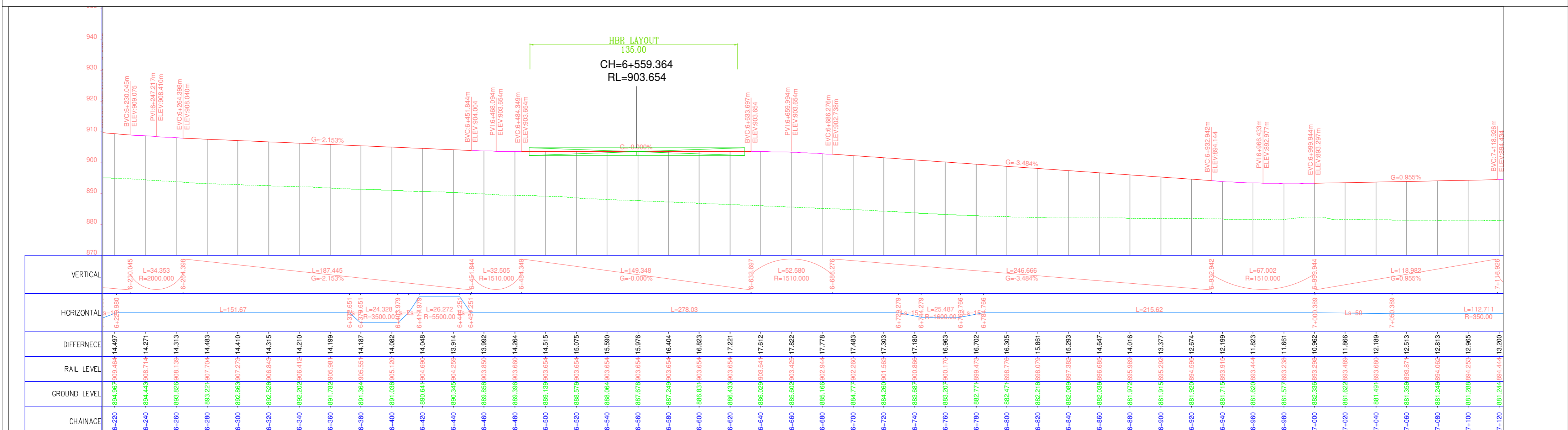
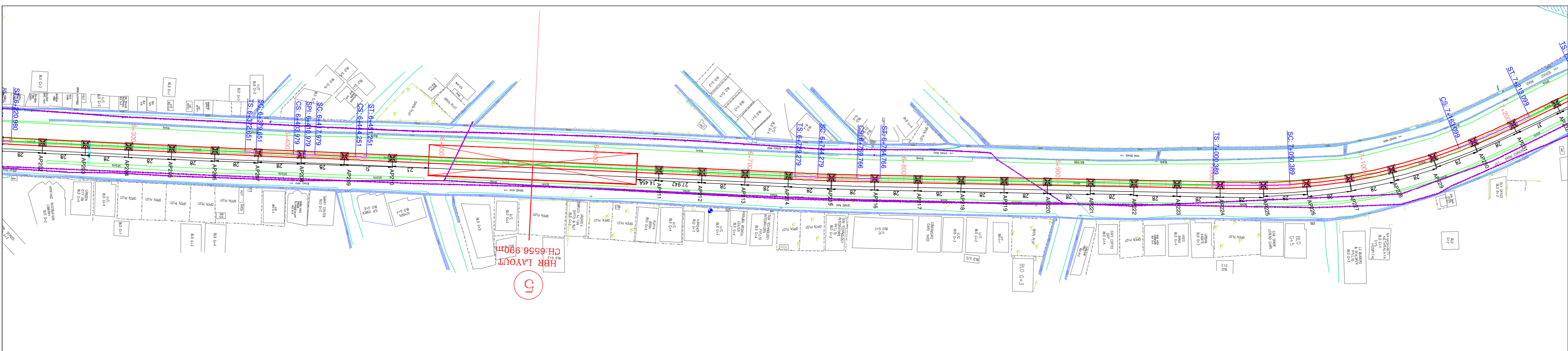
In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.



CHAINAGE	GROUND LEVEL	RAIL LEVEL	DIFFERENCE
5+280	-889.824	917.912	18.091
5+300	-900.352	917.912	17.559
5+320	-900.739	917.912	17.180
5+340	-901.191	917.912	16.721
5+360	-901.527	917.912	16.385
5+380	-901.923	917.912	15.988
5+400	-902.556	917.912	15.355
5+420	-902.616	917.912	15.295
5+440	-902.800	917.912	14.982
5+460	-903.280	917.912	14.631
5+480	-903.629	917.912	14.382
5+500	-903.556	917.912	14.376
5+520	-903.586	917.912	14.325
5+540	-903.625	917.912	14.286
5+560	-903.683	917.912	14.328
5+580	-903.574	917.912	14.340
5+600	-903.660	917.912	14.252
5+620	-903.848	917.912	14.064
5+640	-904.113	917.912	13.798
5+660	-904.132	917.912	13.780
5+680	-904.106	917.912	13.806
5+700	-904.053	917.912	13.859
5+720	-903.897	917.921	13.934
5+740	-903.866	918.038	14.170
5+760	-903.697	918.285	14.592
5+780	-903.459	918.673	15.215
5+800	-903.148	919.120	15.981
5+820	-902.712	919.585	16.872
5+840	-902.166	920.041	17.874
5+860	-901.747	920.495	18.750
5+880	-901.561	920.831	19.271
5+900	-901.330	920.901	19.572
5+920	-901.114	920.705	19.595
5+940	-900.922	920.246	19.324
5+960	-900.689	919.534	18.846
5+980	-900.400	918.760	18.359
6+000	-900.263	917.985	17.722
6+020	-900.060	917.210	17.150
6+040	-900.225	916.435	16.211
6+060	-899.107	915.661	16.554
6+080	-898.674	914.886	16.216
6+100	-898.092	914.112	16.020
6+120	-897.509	913.337	15.829
6+140	-897.069	912.563	15.493
6+160	-896.519	911.789	15.275
6+180	-895.795	911.013	15.218
6+200	-895.337	910.239	14.901
6+220	-894.967	909.464	14.497


- NOTES:-**
- ALL DIMENSIONS AND LEVELS ARE IN METERS.
 - FOLLOW FIGURED DIMENSIONS ONLY.

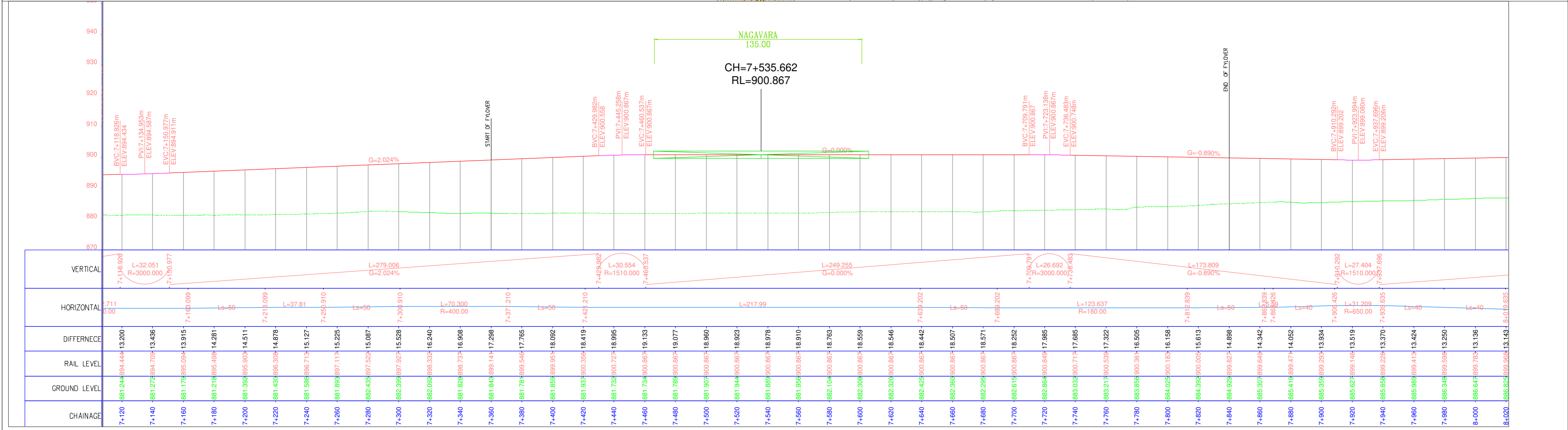
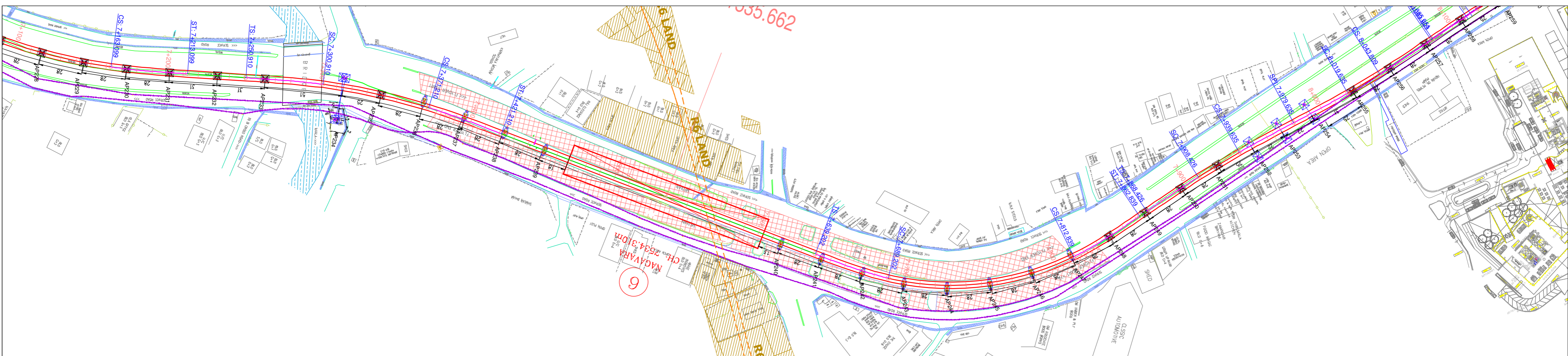
ISSUE	DESCRIPTION	APPROVED	DATE	 BANGALORE METRO RAIL CORPORATION LIMITED 3rd Floor, BMTCC Complex, K.H.Road, Shanthinagar, Bangalore- 560 027. TEL: 91-80- 2296 9300		PHASE-2B K.R PURAM (STATION EXCLUDED) TO KEMPEGOWDA INTERNATIONAL AIRPORT	
				DRAWING NAME: PLAN AND PROFILE OF VIADUCT FROM CH:5300.000 TO CH:6200.00		DRAWING No.: BMRCL / PH-2B / AIRPORT LINK / VDT / PP / 007	
				'P' (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES ONLY AS INDICATED IN THE SMALL BLOCK AT THE TOP RIGHT HAND CORNER OF THE TITLE BLOCK. CONSTRUCTION / FABRICATION WORK IS PERMITTED ON 'R' (RELEASED) ISSUES INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO 'HOLDS'.		ISSUE: R1	DATE (CURRENT ISSUE): 12-06-2019
				DRAWN:	CHECKED:	SCALE: AS SHOWN DATE (NO ISSUE): 15-03-2019	DATE (CURRENT ISSUE): 12-06-2019




CHAINAGE	GROUND LEVEL	RAIL LEVEL	DIFFERENCE	HORIZONTAL	VERTICAL
6+220	889.967	909.664	14.497	L=151.67	L=34.353 R=2000.000
6+240	889.443	908.714	14.271		
6+260	889.826	908.139	14.313		
6+280	889.221	907.704	14.483		
6+300	889.863	907.273	14.410		
6+320	889.528	906.843	14.315		
6+340	889.202	906.412	14.210		
6+360	889.176	905.981	14.199		
6+380	889.384	905.551	14.187		
6+400	889.103	905.120	14.082		
6+420	889.641	904.690	14.048		
6+440	889.345	904.259	13.914		
6+460	889.856	903.830	13.992		
6+480	889.396	903.400	14.264		
6+500	889.139	903.054	14.515		
6+520	888.578	903.654	15.075		
6+540	888.064	903.654	15.590		
6+560	887.678	903.654	15.976		
6+580	887.249	903.654	16.404		
6+600	886.831	903.654	16.823		
6+620	886.433	903.654	17.221		
6+640	886.029	903.644	17.612		
6+660	885.602	903.425	17.822		
6+680	885.166	902.944	17.778		
6+700	884.777	902.260	17.483		
6+720	884.280	901.563	17.303		
6+740	883.887	900.866	17.180		
6+760	883.207	900.170	16.963		
6+780	882.771	899.473	16.702		
6+800	882.477	898.776	16.305		
6+820	882.218	898.079	15.861		
6+840	882.086	897.382	15.293		
6+860	882.038	896.685	14.647		
6+880	881.975	895.989	14.016		
6+900	881.915	895.293	13.377		
6+920	881.920	894.595	12.674		
6+940	881.775	893.915	12.199		
6+960	881.620	893.444	11.823		
6+980	881.577	893.238	11.661		
7+000	882.338	893.298	10.962		
7+020	881.625	893.489	11.866		
7+040	881.493	893.680	12.189		
7+060	881.356	893.871	12.513		
7+080	881.248	894.062	12.813		
7+100	881.288	894.253	12.965		
7+120	881.244	894.444	13.200		

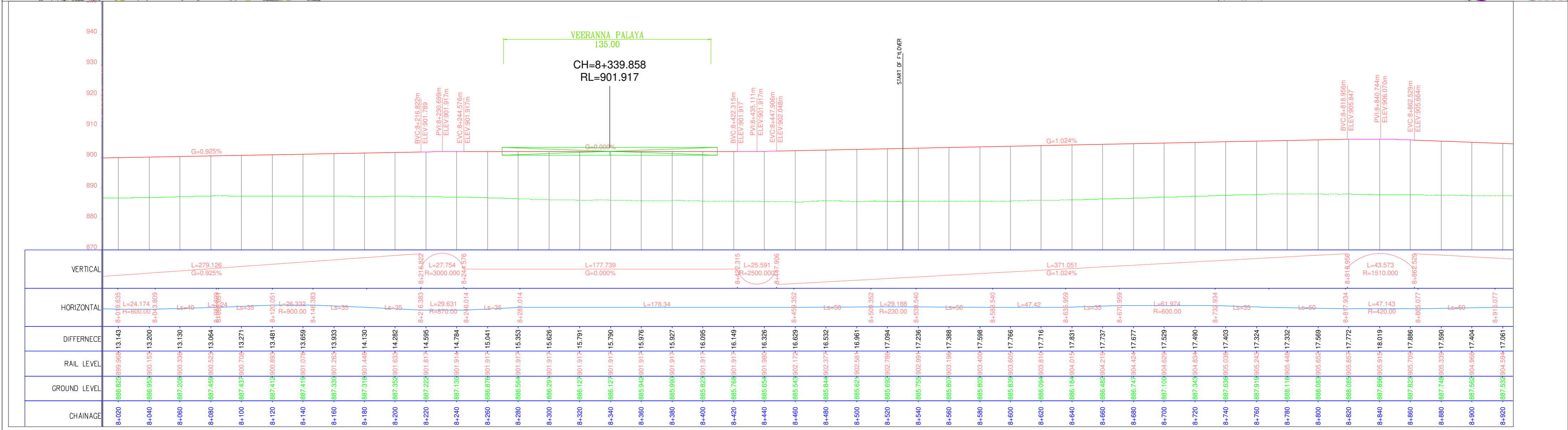
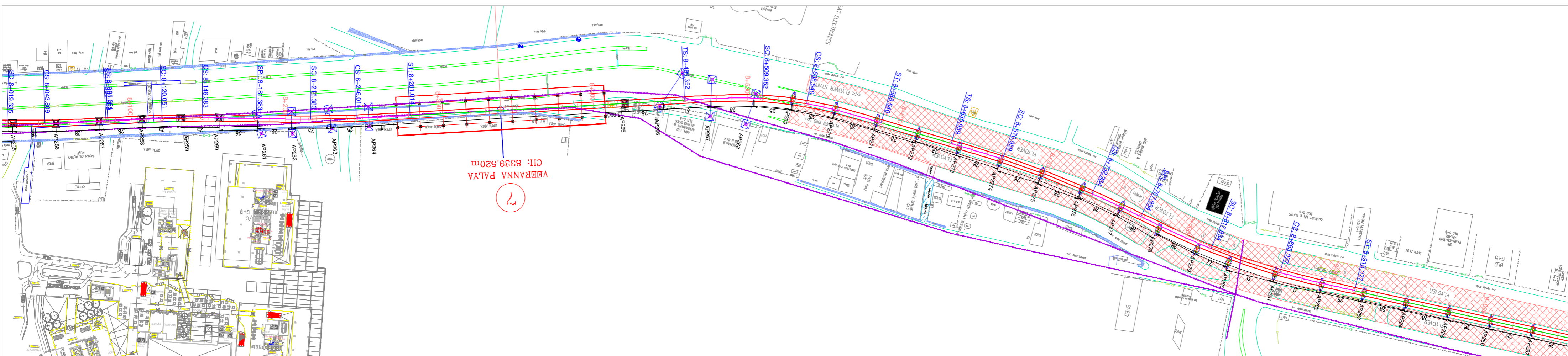
- NOTES:-**
1. ALL DIMENSIONS AND LEVELS ARE IN METERS.
 2. FOLLOW FIGURED DIMENSIONS ONLY.

ISSUE	DESCRIPTION	APPROVED	DATE	 BANGALORE METRO RAIL CORPORATION LIMITED 3rd Floor, BMTCC Complex, K.H.Road, Shanthinagar, Bangalore- 560 027. TEL: 91-80- 2296 9300				PHASE-2B K.R PURAM (STATION EXCLUDED) TO KEMPEGOWDA INTERNATIONAL AIRPORT	
				DRAWING NAME: PLAN AND PROFILE OF VIADUCT FROM CH:6300.000 TO CH:7200.00				DRAWING No.: BMRCL / PH-2B / AIRPORT LINK / VDT / PP / 008	
				'P' (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES ONLY AS INDICATED IN THE SMALL BLOCK AT THE TOP RIGHT HAND CORNER OF THE TITLE BLOCK. CONSTRUCTION / FABRICATION WORK IS PERMITTED ON 'R' (RELEASED) ISSUES INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO 'HOLDS'.				ISSUE: R1	
				DRAWN	CHECKED	SCALE: AS SHOWN	DATE (CURRENT ISSUE): 15-03-2019		
							DATE (ISSUE): 12-06-2019		




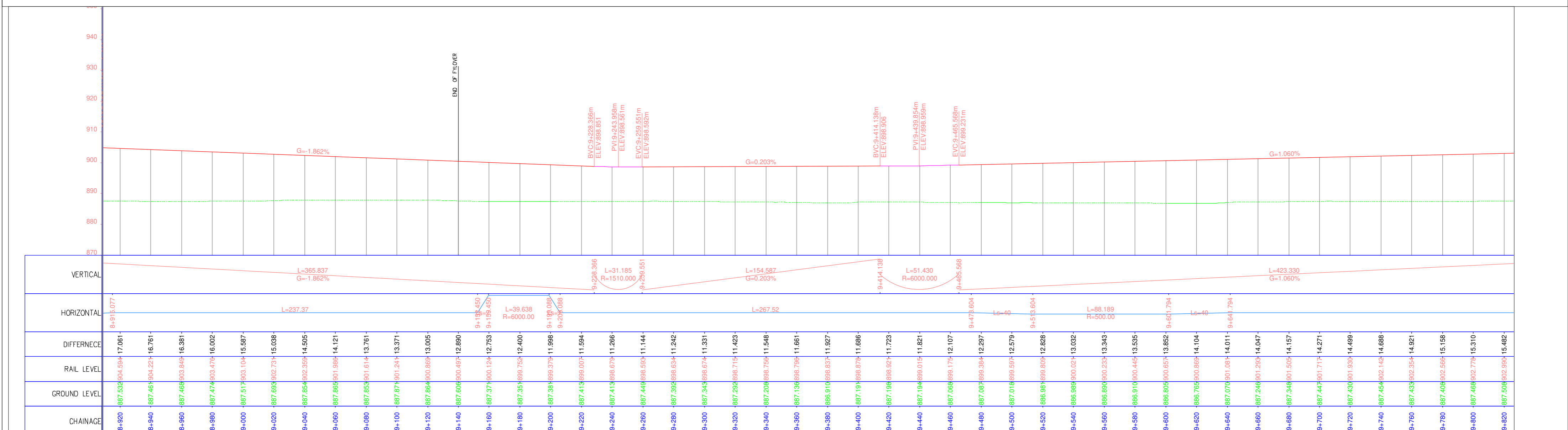
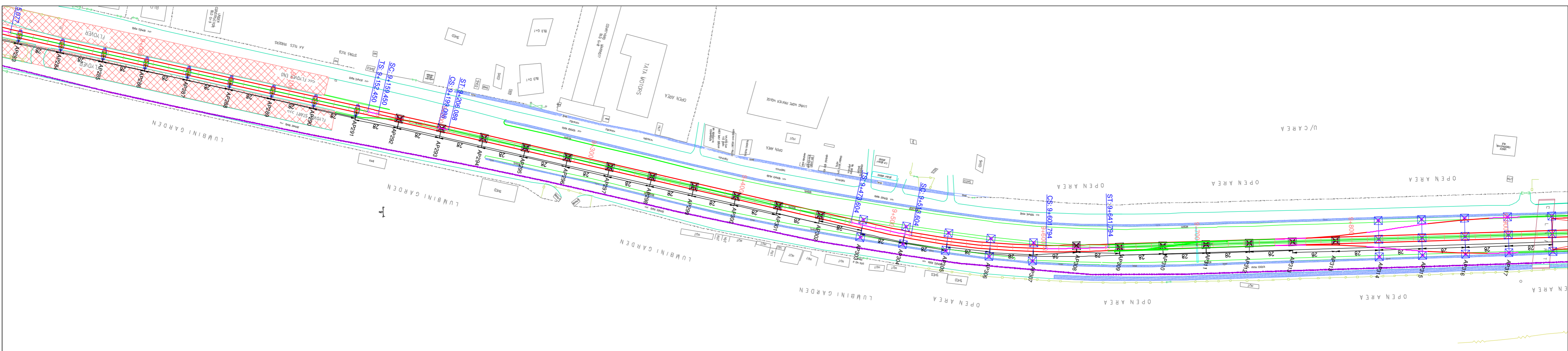
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				DRAWING NAME: PLAN AND PROFILE OF VIADUCT FROM CH:7100.000 TO CH:8100.00		DRAWING No.: BMRCL / PH-2B / AIRPORT LINK / VDT / PP / 009	
				CONSTRUCTION / FABRICATION WORK IS PERMITTED ON 'R' (RELEASED) ISSUES INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO 'HOLDS'.		SCALE: AS SHOWN DATE (OR ISSUE): 15-03-2019	ISSUE: R1 DATE (CURRENT ISSUE): 12-06-2019




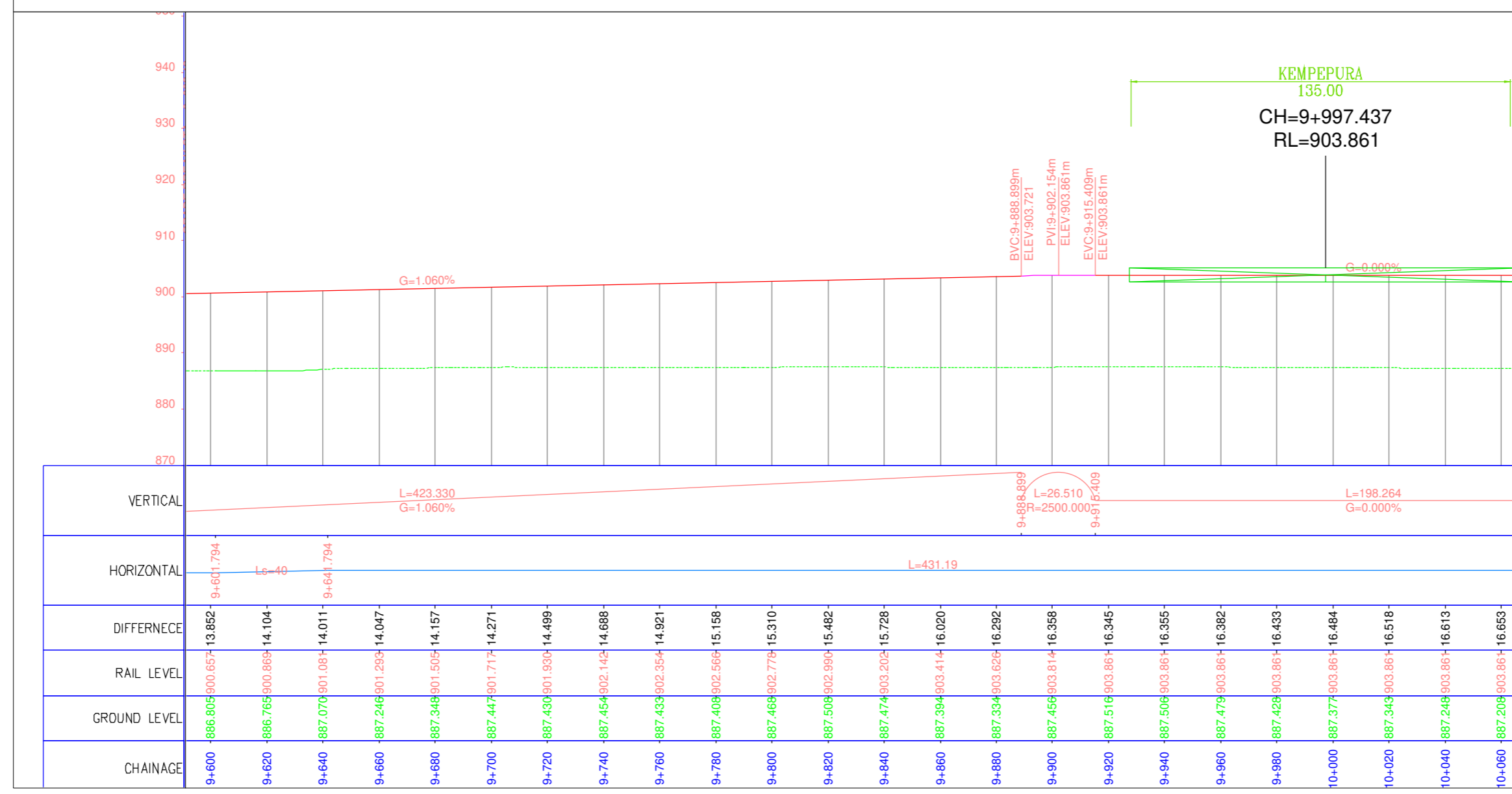
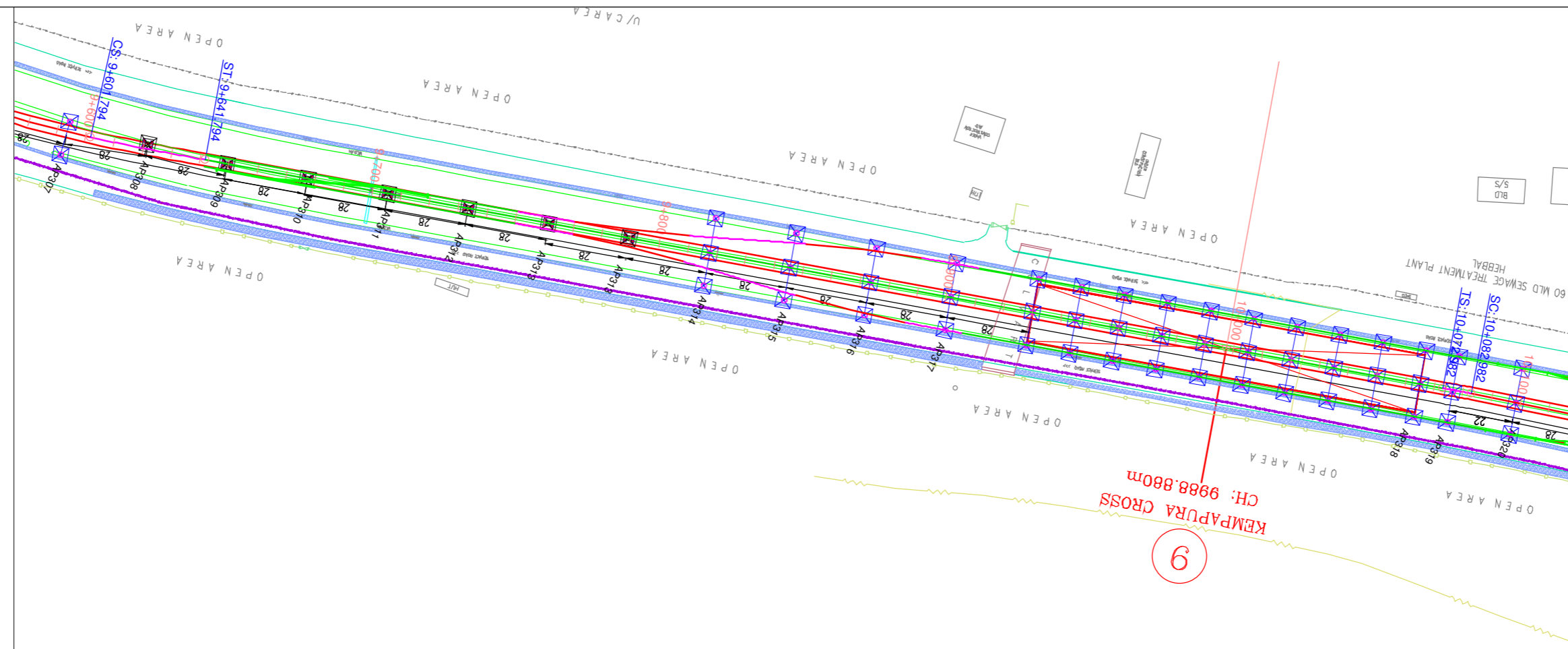
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				DRAWING NAME: PLAN AND PROFILE OF VIADUCT FROM CH:8100.000 TO CH:9000.00				DRAWING No.: BMRCL / PH-2B / AIRPORT LINK / VDT / PP / 010	
				P (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES ONLY AS INDICATED IN THE SMALL BLOCK AT THE TOP RIGHT HAND CORNER OF THE TITLE BLOCK. CONSTRUCTION / FABRICATION WORK IS PERMITTED ON 'R' (RELEASED) ISSUES INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO 'HOLDS'.				SCALE: AS SHOWN DATE (OR ISSUE): 15-03-2019	
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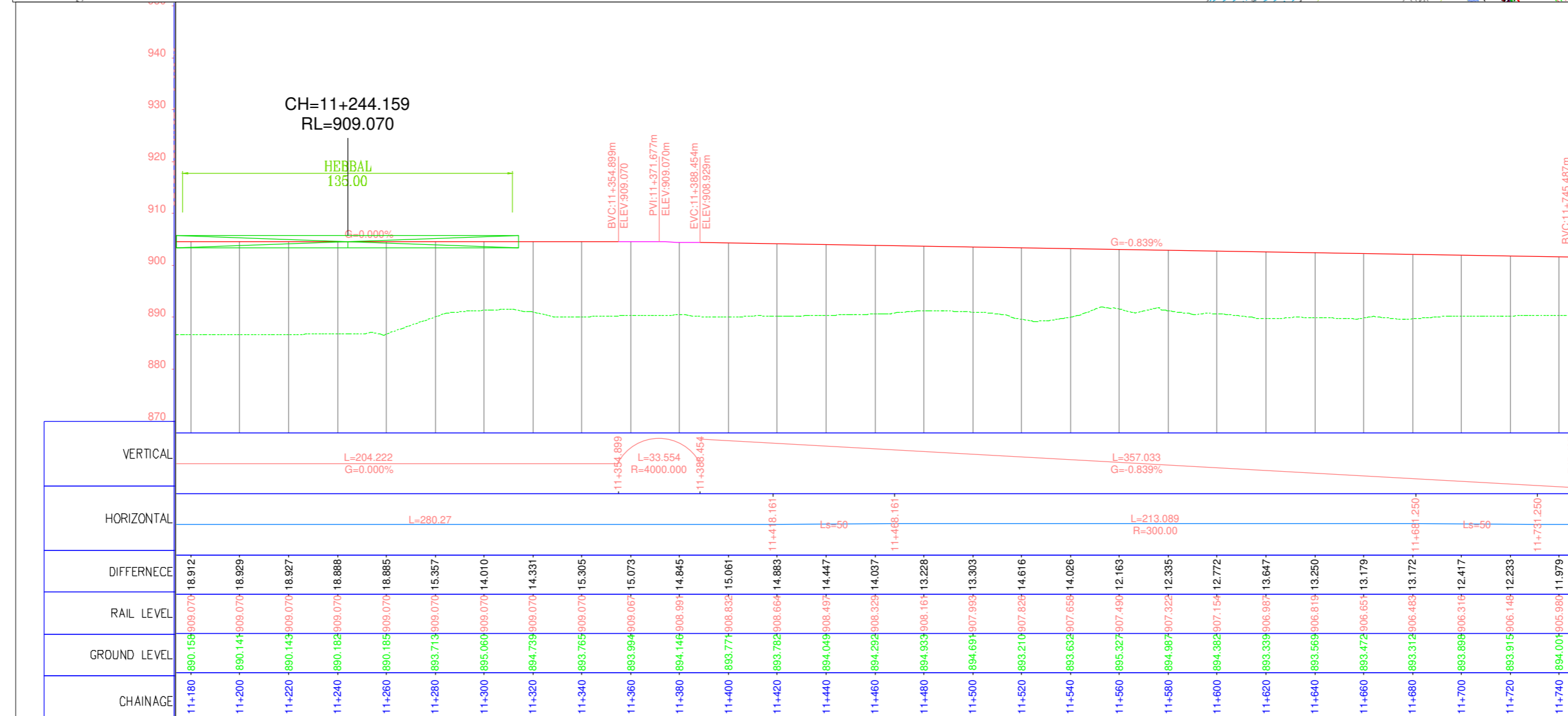
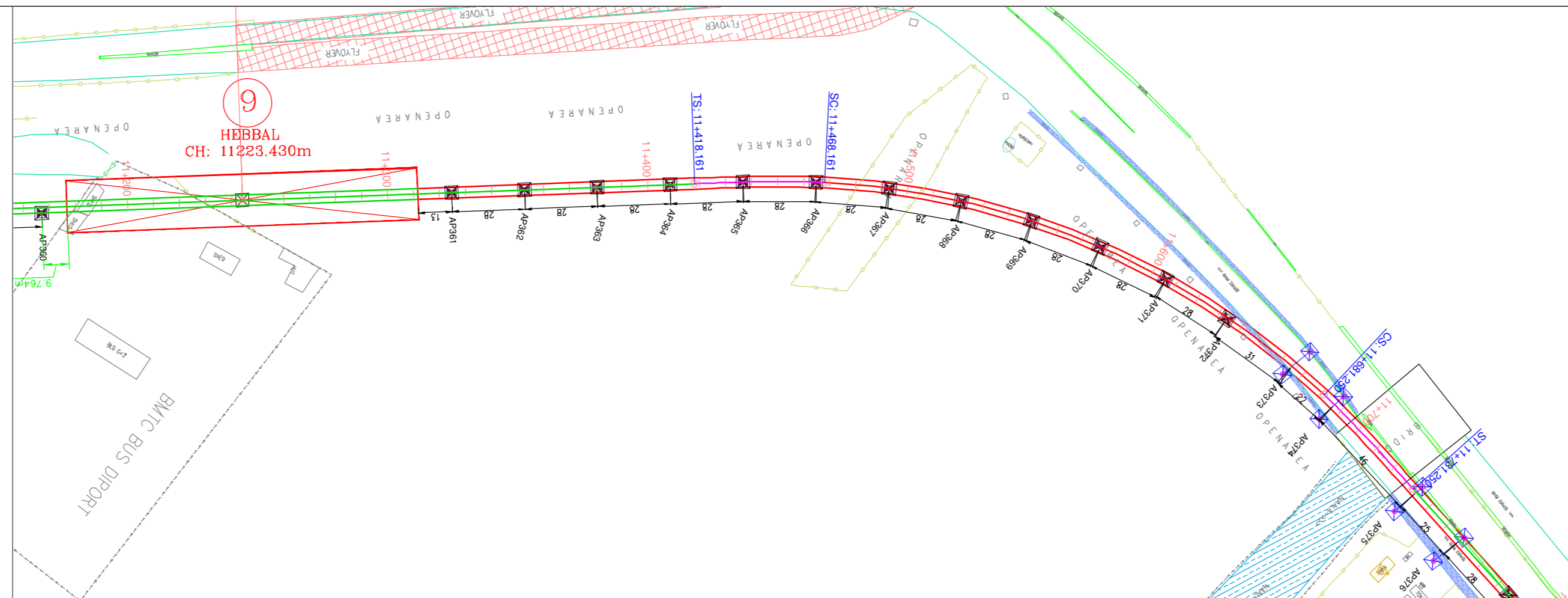
ISSUE	DESCRIPTION	APPROVED	DATE	 BANGALORE METRO RAIL CORPORATION LIMITED 3rd Floor, BMTCC Complex, K.H.Road, Shanthinagar, Bangalore- 560 027. TEL: 91-80- 2296 9300				PHASE-2B K.R PURAM (STATION EXCLUDED) TO KEMPEGOWDA INTERNATIONAL AIRPORT	
				DRAWING NAME: PLAN AND PROFILE OF VIADUCT FROM CH:9000.000 TO CH:9900.00				DRAWING No.: BMRCL / PH-2B / AIRPORT LINK / VDT / PP / 011	
				CONSTRUCTION / FABRICATION WORK IS PERMITTED ON 'R' (RELEASED) ISSUES INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO 'HOLDS'.				DRAWN: _____ CHECKED: _____ SCALE: AS SHOWN DATE (FOR ISSUE): 15-03-2019	
								DATE (CURRENT ISSUE): 12-06-2019	




NOTES:-

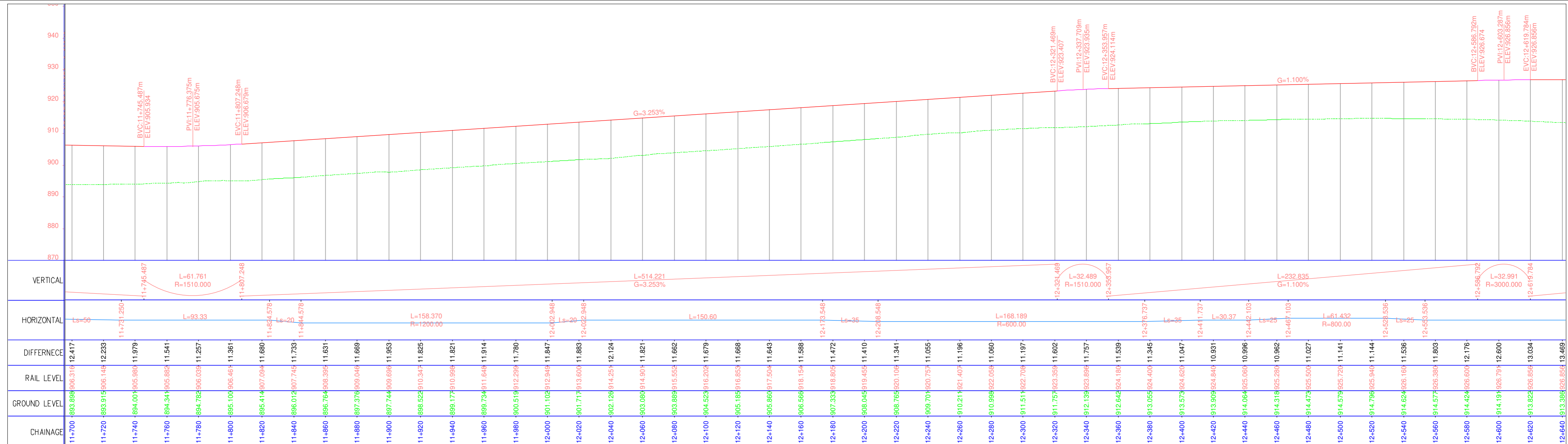
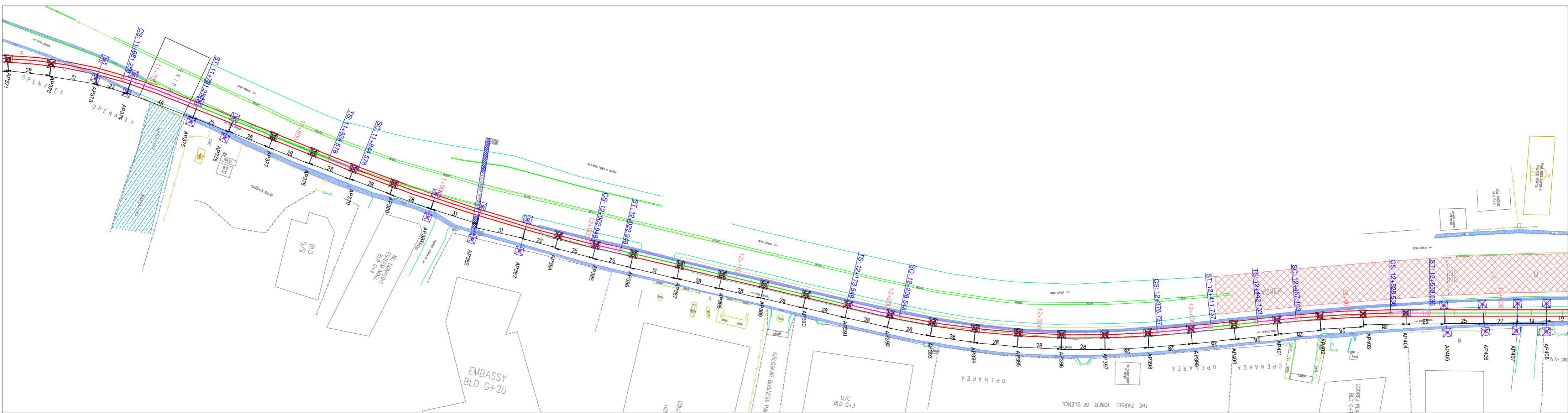
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				DRAWING No.: BMRCL / PH-2B / AIRPORT LINK / VDT / PP / 012				R1	
				DRAWN: _____ CHECKED: _____				SCALE: AS SHOWN DATE (RO ISSUE): 15-03-2019	
				DATE (CURRENT ISSUE): 12-06-2019					




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				DRAWING NAME: PLAN AND PROFILE OF VIADUCT FROM CH:10800.000 TO CH:11700.00				DRAWING No.: BMRCL / PH-2B / AIRPORT LINK / VDT / PP / 013	
				'P' (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES ONLY AS INDICATED IN THE SMALL BLOCK AT THE TOP RIGHT HAND CORNER OF THE TITLE BLOCK. CONSTRUCTION / FABRICATION WORK IS PERMITTED ON 'R' (RELEASED) ISSUES INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO 'HOLDS'.				ISSUE: R1	
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ISSUE	DESCRIPTION	APPROVED	DATE



BANGALORE METRO RAIL CORPORATION LIMITED
3rd Floor, BMT Complex, K.H.Road, Shanthinagar, Bangalore- 560 027.
TEL: 91-80- 2296 9300

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PHASE-2B
K.R PURAM (STATION EXCLUDED) TO KEMPEGOWDA INTERNATIONAL AIRPORT

DRAWING NAME: **PLAN AND PROFILE OF VIADUCT FROM CH:11700.000 TO CH:12600.00**

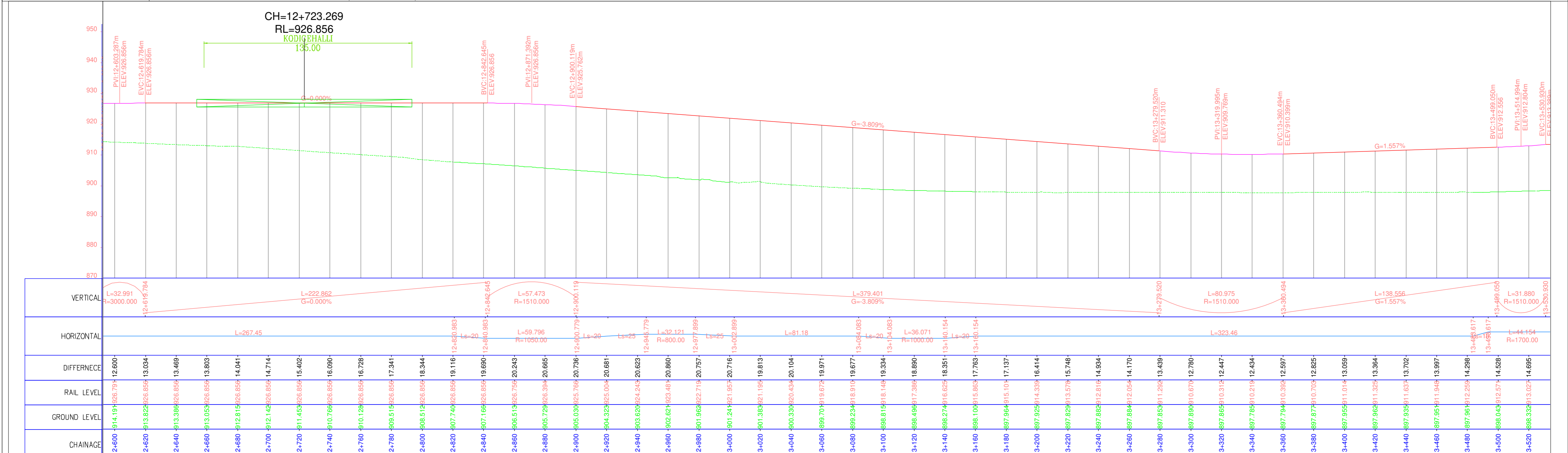
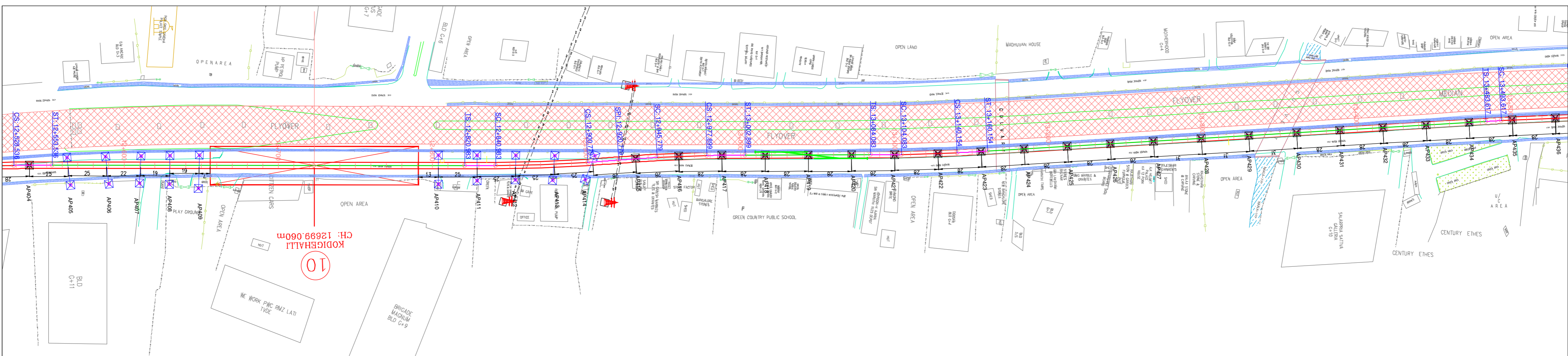
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ISSUE: **R1**

SCALE: **AS SHOWN**

DATE (FOR ISSUE): **15-03-2019**

DATE (CURRENT ISSUE): **12-06-2019**



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ISSUE	DESCRIPTION	APPROVED	DATE

BANGALORE METRO RAIL CORPORATION LIMITED

3rd Floor, BMTCC Complex, K.H.Road, Shanthinagar, Bangalore- 560 027.
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PHASE-2B
K.R PURAM (STATION EXCLUDED) TO KEMPEGOWDA INTERNATIONAL AIRPORT

DRAWING NAME: **PLAN AND PROFILE OF VIADUCT FROM CH:12600.000 TO CH:13500.00**

DRAWING No.: **BMRCL / PH-2B / AIRPORT LINK / VDT / PP / 015**

ISSUE: **R1**

SCALE: **AS SHOWN**

DATE (FOR ISSUE): **15-03-2019**

DATE (CURRENT ISSUE): **12-06-2019**