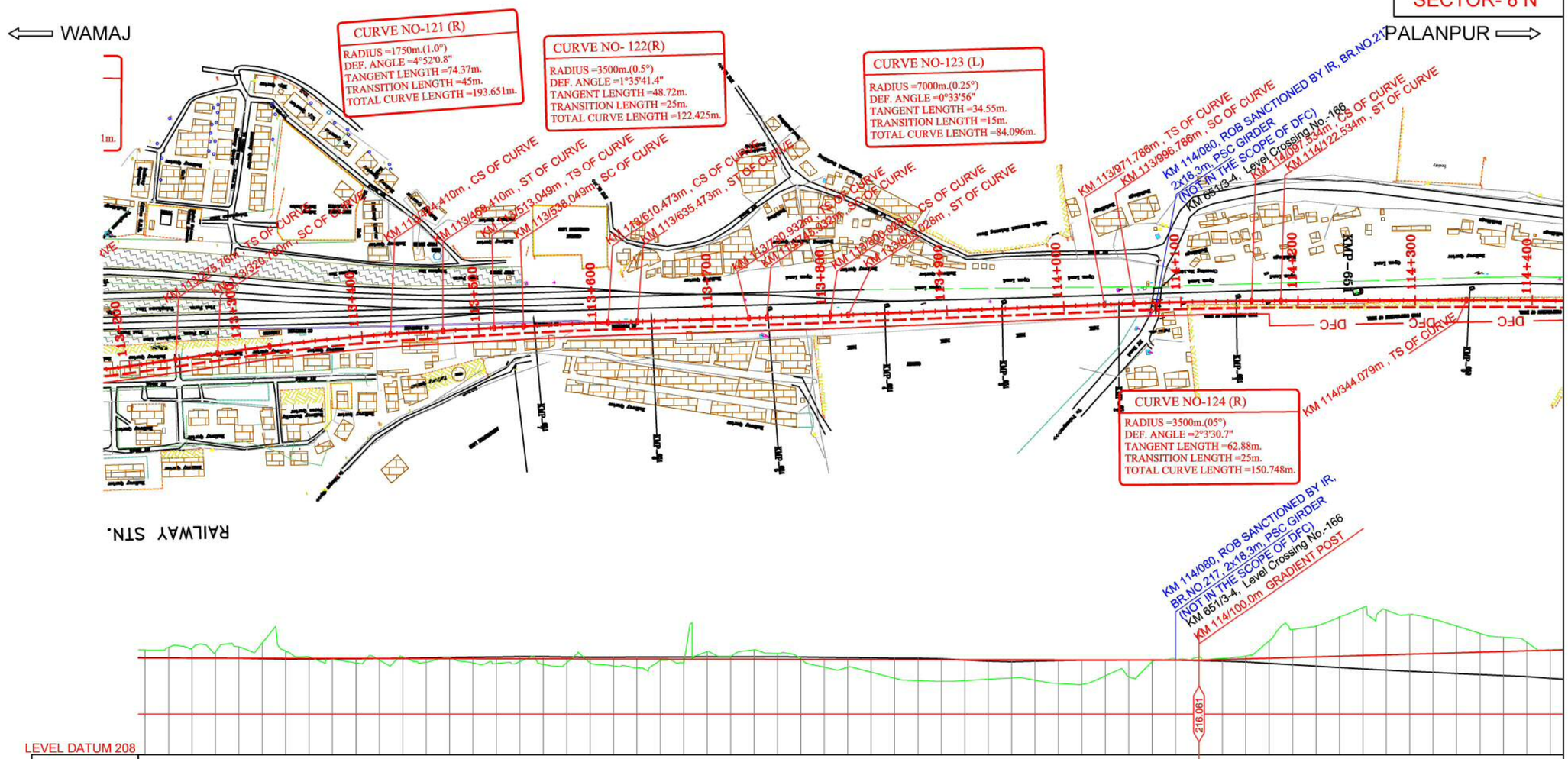
CHAINAGE	CH-113200 TO CH-114400
SECTOR- 8 N	

V-2-5-267



LEVEL DATUM 208

Vertical Alignment

Horizontal Alignment

L=36.26 m, L=45 m, R=1750, L=193.651, L=45 m, L=43.639, L=45 m, R=3500, L=122.423, L=45 m, L=95.461, L=15 m, R=7000, L=84.006, L=15 m, L=156.758 m, L=25 m, R=3500, L=150.748, L=25 m, L=221.545m, L=95 m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
113200.0	-17.470	-0.662	216.241	216.253	216.903
113220.0	-17.393	-0.903	216.237	216.245	217.140
113240.0	-17.161	-0.808	216.233	216.235	217.041
113260.0	-16.732	-0.527	216.229	216.225	216.756
113280.0	-16.063	-0.949	216.225	216.212	217.174
113300.0	-15.157	-1.303	216.221	216.159	217.524
113320.0	-14.092	-0.580	216.217	216.105	216.797
113340.0	-13.069	-0.109	216.213	216.124	216.322
113360.0	-12.140	0.089	216.209	216.147	216.120
113380.0	-11.245	0.396	216.205	216.169	215.809
113400.0	-10.324	0.161	216.201	216.193	216.040
113420.0	-9.488	-0.110	216.197	216.218	216.307
113440.0	-9.454	0.333	216.193	216.243	215.860
113460.0	-9.863	-0.075	216.189	216.268	216.264
113480.0	-10.694	0.375	216.185	216.294	215.810
113500.0	-11.421	0.425	216.181	216.321	215.756
113520.0	-11.546	0.245	216.177	216.348	215.932
113540.0	-11.368	0.485	216.173	216.355	215.688
113560.0	-11.388	0.330	216.169	216.320	215.839
113580.0	-11.444	0.356	216.165	216.292	215.809
113600.0	-11.476	0.603	216.161	216.304	215.558
113620.0	-11.487	0.760	216.157	216.316	215.397
113640.0	-11.490	0.132	216.153	216.322	216.021
113660.0	-11.467	0.309	216.149	216.316	215.840
113680.0	-11.435	-0.633	216.145	216.329	216.778
113700.0	-11.510	-0.225	216.141	216.337	216.366
113720.0	-11.223	-0.793	216.137	216.329	216.930
113740.0	-11.068	-0.488	216.133	216.329	216.621
113760.0	-10.896	-0.016	216.129	216.306	216.145
113780.0	-10.689	0.678	216.125	216.283	215.447
113800.0	-10.465	0.673	216.121	216.260	215.448
113820.0	-10.222	1.086	216.117	216.238	215.031
113840.0	-9.974	1.590	216.113	216.220	214.523
113860.0	-9.755	1.794	216.109	216.211	214.315
113880.0	-9.541	1.861	216.105	216.165	214.244
113900.0	-9.277	1.786	216.101	216.062	214.315
113920.0	-8.979	1.669	216.097	215.960	214.428
113940.0	-8.718	1.552	216.093	215.906	214.541
113960.0	-8.556	1.745	216.089	215.959	214.344
113980.0	-8.455	2.006	216.085	216.013	214.079
114000.0	-8.330	2.088	216.081	216.036	213.993
114020.0	-8.154	1.358	216.077	216.046	214.719
114040.0	-7.959	1.443	216.073	216.056	214.630
114060.0	-7.800	0.145	216.069	216.067	215.924
114080.0	-7.737	-0.072	216.065	216.050	216.137
114100.0	-7.799	-0.250	216.061	216.008	216.311
114120.0	-7.977	-0.083	216.117	215.965	216.200
114140.0	-8.264	-0.219	216.173	215.897	216.392
114160.0	-8.655	-1.462	216.229	215.776	217.691
114180.0	-9.119	-2.358	216.285	215.656	218.643
114200.0	-9.611	-2.598	216.341	215.537	218.939
114220.0	-10.094	-3.310	216.397	215.418	219.707
114240.0	-10.586	-4.098	216.453	215.305	220.551
114260.0	-11.113	-3.825	216.509	215.201	220.334
114280.0	-11.663	-3.386	216.565	215.096	219.951
114300.0	-12.211	-2.908	216.621	215.004	219.529
114320.0	-12.758	-2.262	216.677	214.916	218.839
114340.0	-13.289	-1.587	216.733	214.825	218.320
114360.0	-13.802	-1.202	216.789	214.742	217.991
114380.0	-14.091	-0.700	216.845	214.649	217.545
114400.0	-14.276	0.040	216.901	214.510	216.867

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
- Proposed DFC
- Cart Track
- BT Road
- PC=Point of Curvature
- PT=Point of Tangency
- TS=Tangent to Spiral
- SC=Spiral to Curve
- CS=Curve to Spiral
- ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

केमीफेटेड फ्रेट कोरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

Rodic Consultants Pvt. Ltd.
H-78, First Floor,Sector-63,Noida,Uttar Pradesh,201307
Phone:+91-120-4615500, Fax:+91-120-4287707
Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

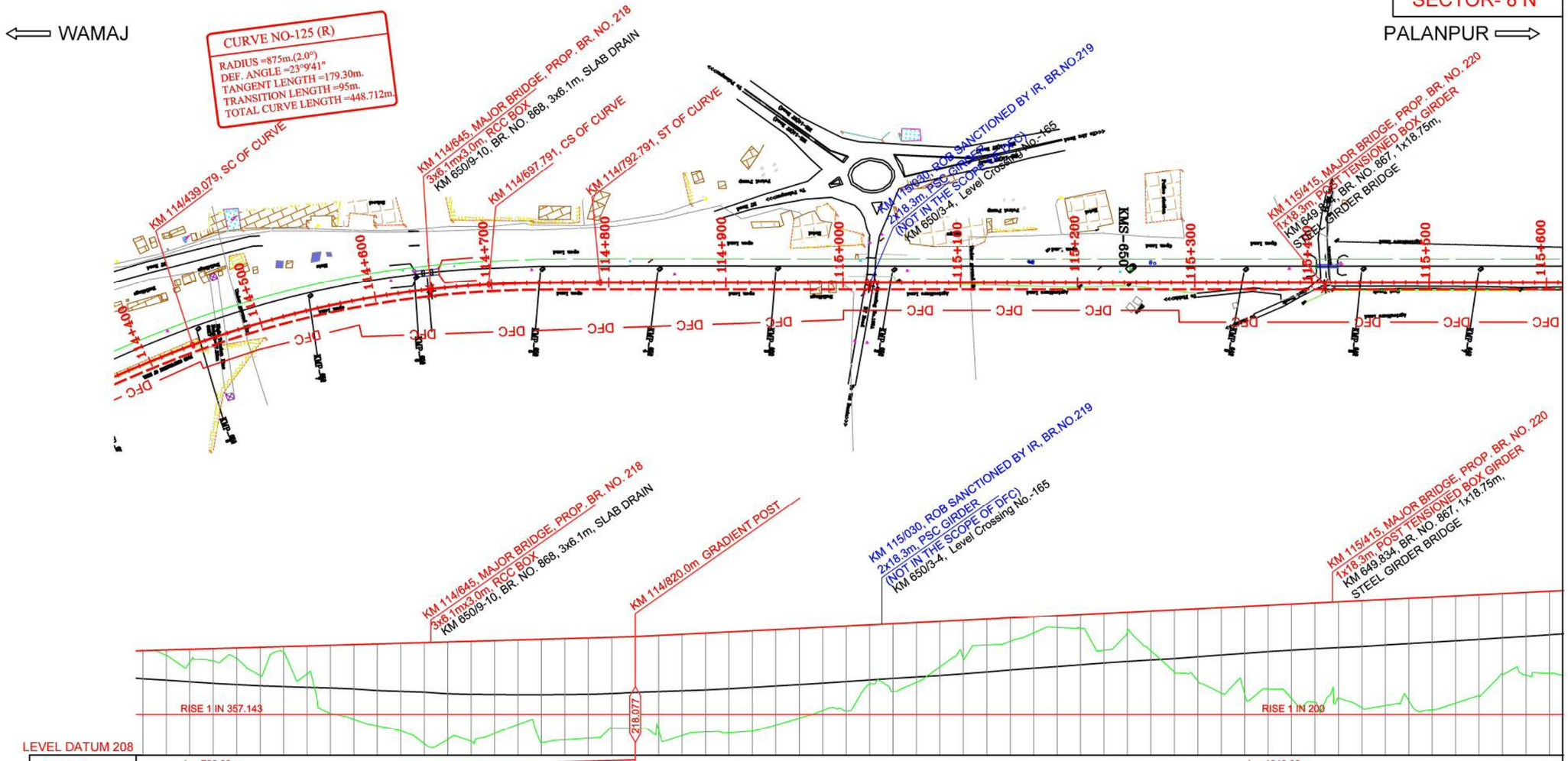
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 113.200 to Km 114.400)

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-114400 TO CH-115600
SECTOR- 8 N	

V-2-5-268



Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
114400.0	-14.276	0.040	216.901	214.510	216.861
114420.0	-14.346	0.467	216.957	214.380	216.490
114440.0	-14.450	1.091	217.013	214.253	215.922
114460.0	-14.401	1.059	217.069	214.111	216.010
114480.0	-14.503	0.898	217.125	214.004	216.227
114500.0	-14.527	2.402	217.181	213.912	214.779
114520.0	-14.612	0.495	217.237	213.843	216.742
114540.0	-14.606	2.366	217.293	213.776	214.927
114560.0	-14.527	5.789	217.349	213.716	211.560
114580.0	-14.459	6.357	217.405	213.635	211.048
114600.0	-14.387	6.962	217.461	213.496	210.499
114620.0	-14.276	7.453	217.517	213.443	210.064
114640.0	-14.149	8.598	217.573	213.365	208.975
114660.0	-14.106	8.284	217.629	213.237	209.345
114680.0	-13.903	8.501	217.685	213.174	209.184
114700.0	-13.866	7.876	217.741	213.164	209.865
114720.0	-13.968	7.169	217.797	213.153	210.628
114740.0	-14.150	8.800	217.853	213.151	209.053
114760.0	-14.197	8.586	217.909	213.166	209.323
114780.0	-14.135	8.517	217.965	213.181	209.448
114800.0	-14.151	7.720	218.021	213.254	210.301
114820.0	-14.185	7.815	218.077	213.344	210.262
114840.0	-14.203	8.061	218.177	213.427	210.116
114860.0	-14.205	8.591	218.277	213.492	209.686
114880.0	-14.188	8.399	218.377	213.558	209.978
114900.0	-14.140	8.570	218.477	213.658	209.907
114920.0	-14.047	8.522	218.577	213.773	210.055
114940.0	-13.982	8.103	218.677	213.889	210.574
114960.0	-13.989	7.615	218.777	214.008	211.162
114980.0	-14.005	7.071	218.877	214.137	211.806
115000.0	-14.018	7.189	218.977	214.269	211.788
115020.0	-14.028	4.984	219.077	214.402	214.093
115040.0	-14.031	5.744	219.177	214.532	213.433
115060.0	-14.025	5.071	219.277	214.653	214.206
115080.0	-14.014	3.867	219.377	214.774	215.510
115100.0	-14.007	3.352	219.477	214.922	216.125
115120.0	-14.005	2.218	219.577	215.083	217.359
115140.0	-14.005	1.994	219.677	215.244	217.683
115160.0	-14.004	1.379	219.777	215.397	218.398
115180.0	-14.001	1.017	219.877	215.543	218.860
115200.0	-13.998	1.176	219.977	215.690	218.801
115220.0	-13.997	3.155	220.077	215.837	216.922
115240.0	-13.999	1.532	220.177	215.977	218.645
115260.0	-15.833	3.411	220.277	216.097	216.866
115280.0	-16.816	5.303	220.377	216.218	215.074
115300.0	-11.823	6.183	220.477	216.357	214.294
115320.0	-12.161	7.284	220.577	216.509	213.293
115340.0	-14.061	7.492	220.677	216.659	213.185
115360.0	-14.058	7.123	220.777	216.801	213.654
115380.0	-14.048	8.056	220.877	216.928	212.821
115400.0	-14.036	8.479	220.977	217.039	212.498
115420.0	-14.027	8.237	221.077	217.141	212.840
115440.0	-14.025	9.143	221.177	217.234	212.034
115460.0	-14.025	9.037	221.277	217.360	212.240
115480.0	-14.026	8.740	221.377	217.485	212.637
115500.0	-14.026	9.594	221.477	217.606	211.883
115520.0	-14.025	9.128	221.577	217.723	212.449
115540.0	-14.019	8.607	221.677	217.842	213.070
115560.0	-14.005	6.872	221.777	217.966	214.905
115580.0	-13.988	7.084	221.877	218.090	214.793
115600.0	-13.985	7.003	221.977	218.224	214.974

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			
REVISIONS			

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 114.400 to Km 115.600)

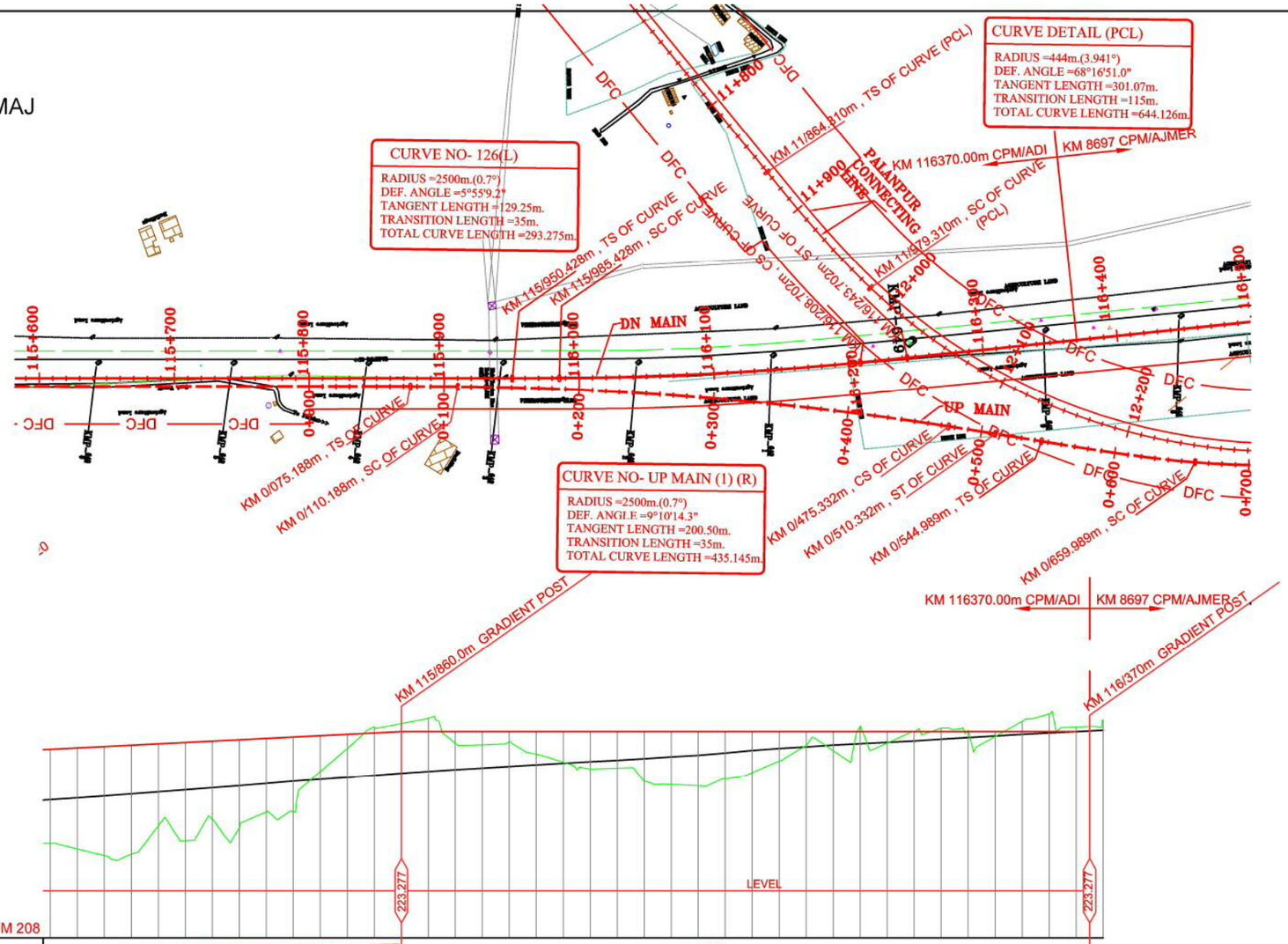
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-115600 TO CH-116360
	SECTOR- 8 N

V-2-5-269

⟸ WAMAJ

PALANPUR ⟹



LEVEL DATUM 208

Vertical Alignment	L = 510 m, G= 0.0%
Horizontal Alignment	L=35 m, R=2500 m, L=35 m, L=293.275m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
115600.0	-13.985	7.003	221.977	218.224	214.974
115620.0	-13.997	7.509	222.077	218.359	214.568
115640.0	-14.001	8.108	222.177	218.499	214.069
115660.0	-13.980	8.086	222.277	218.652	214.191
115680.0	-13.951	6.088	222.377	218.806	216.289
115700.0	-13.940	7.300	222.477	218.958	215.177
115720.0	-13.966	5.803	222.577	219.108	216.774
115740.0	-13.997	6.535	222.677	219.261	216.142
115760.0	-14.000	5.465	222.777	219.428	217.312
115780.0	-13.998	5.551	222.877	219.593	217.326
115800.0	-14.015	2.667	222.977	219.732	220.310
115820.0	-14.041	1.040	223.077	219.871	222.037
115840.0	-14.069	-0.418	223.177	220.012	223.595
115860.0	-14.098	-0.580	223.277	220.161	223.857
115880.0	-14.123	-0.984	223.277	220.310	224.261
115900.0	-14.130	0.876	223.277	220.436	222.401
115920.0	-14.124	0.989	223.277	220.561	222.288
115940.0	-14.118	1.187	223.277	220.685	222.484
115960.0	-14.091	1.687	223.277	220.802	221.590
115980.0	-14.013	2.287	223.277	220.919	220.990
116000.0	-13.895	2.788	223.277	221.031	220.489
116020.0	-13.661	2.722	223.277	221.139	220.555
116040.0	-13.448	3.685	223.277	221.252	219.592
116060.0	-13.351	3.932	223.277	221.381	219.345
116080.0	-13.314	4.031	223.277	221.511	219.246
116100.0	-13.315	3.512	223.277	221.681	219.765
116120.0	-13.361	3.060	223.277	221.855	220.217
116140.0	-13.436	2.197	223.277	222.018	221.080
116160.0	-13.569	1.023	223.277	222.140	222.254
116180.0	-13.728	1.428	223.277	222.262	221.849
116200.0	-13.775	-0.384	223.277	222.375	223.661
116220.0	-13.713	0.853	223.277	222.473	222.424
116240.0	-13.591	0.039	223.277	222.578	223.238
116260.0	-13.430	-0.242	223.277	222.705	223.519
116280.0	-13.277	-0.072	223.277	222.829	223.347
116300.0	-13.130	0.361	223.277	222.943	222.916
116320.0	-12.991	-0.757	223.277	223.056	224.034
116340.0	-12.868	-1.294	223.277	223.169	224.571
116360.0	-12.769	-0.321	223.277	223.269	223.588
116370.0			223.277		

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
PT=Point of Tangency
TS=Tangent to Spiral
SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

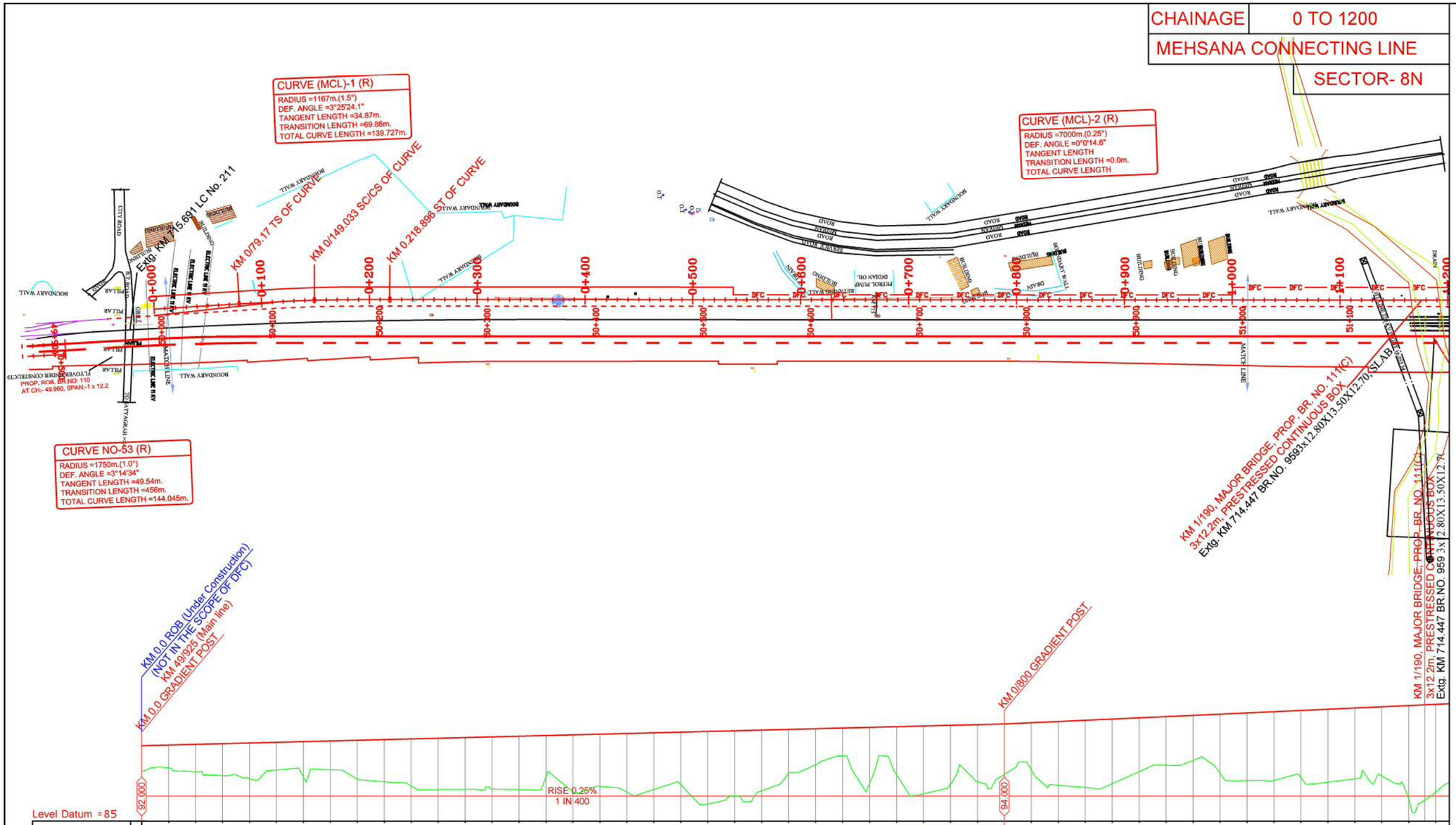
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 115.600 to Km 116.360)

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	0 TO 1200
MEHSANA CONNECTING LINE	
SECTOR- 8N	

V-2-5-270



Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
0.0	2.334	92.000	89.666
25.0	2.106	92.063	89.957
50.0	2.526	92.125	89.599
75.0	2.942	92.188	89.246
100.0	3.298	92.250	88.952
125.0	2.546	92.313	89.767
150.0	3.270	92.375	89.105
175.0	2.655	92.438	89.783
200.0	3.575	92.500	88.925
225.0	3.887	92.563	88.676
250.0	4.336	92.625	88.289
275.0	4.719	92.688	87.969
300.0	4.768	92.750	87.982
325.0	4.805	92.813	88.007
350.0	4.908	92.875	87.967
375.0	3.750	92.938	89.188
400.0	5.244	93.000	87.756
425.0	4.801	93.063	88.262
450.0	5.396	93.125	87.729
475.0	5.213	93.188	87.975
500.0	4.824	93.250	88.426
525.0	6.706	93.313	86.607
550.0	6.085	93.375	87.290
575.0	5.589	93.438	87.849
600.0	3.980	93.500	89.520
625.0	3.326	93.563	90.237
650.0	2.559	93.625	91.066
675.0	5.118	93.688	88.570
700.0	4.446	93.750	89.304
725.0	6.240	93.813	87.573
750.0	5.398	93.875	88.477
775.0	5.263	93.938	88.674
800.0	4.634	94.000	89.366
825.0	4.354	94.113	89.759
850.0	5.867	94.225	88.358
875.0	6.177	94.338	88.161
900.0	5.945	94.450	88.505
925.0	4.946	94.563	89.617
950.0	4.469	94.675	90.206
975.0	4.140	94.788	90.648
1000.0	5.444	94.900	89.456
1025.0	6.222	95.013	88.791
1050.0	6.309	95.125	88.816
1075.0	6.189	95.238	89.049
1100.0	6.711	95.350	88.639
1125.0	6.510	95.463	88.953
1150.0	6.353	95.575	89.222
1175.0	8.596	95.688	87.092
1200.0	8.069	95.800	87.731

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
- Proposed DFC
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- BT Road
- PC=Point of Curvature
- PT=Point of Tangency
- TS=Tangent to Spiral
- SC=Spiral to Curve
- CS=Curve to Spiral
- ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

MEHSANA CONNECTING LINE FROM KM 0+000 TO KM 6+685

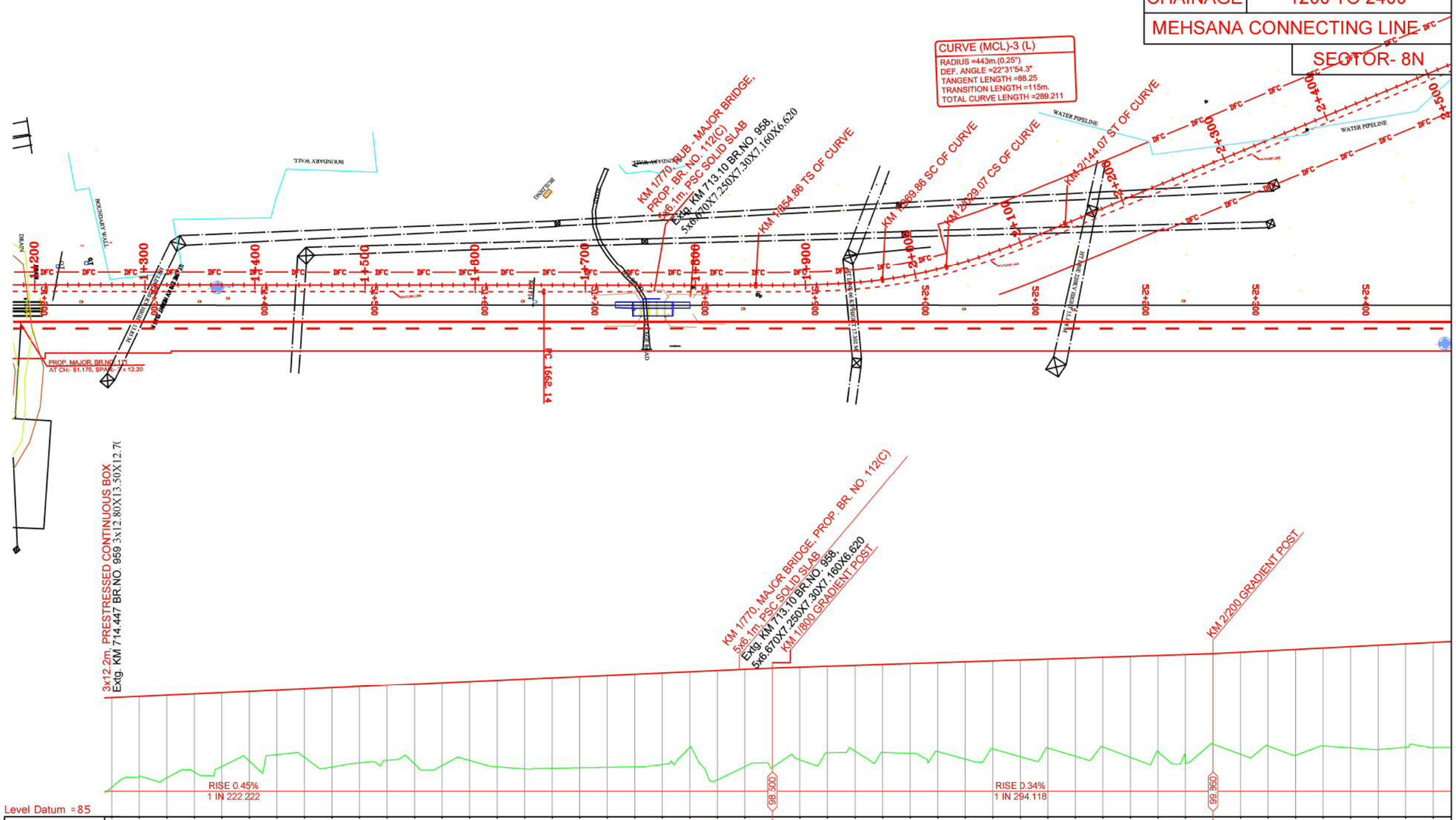
PLAN & PROFILE

CH:0 TO CH:1200

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	1200 TO 2400
MEHSANA CONNECTING LINE	
SECTOR- 8N	

V-2-5-271



Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
1200.0	8.069	95.800	87.731
1225.0	7.185	95.913	88.728
1250.0	7.452	96.025	88.573
1275.0	7.056	96.138	89.082
1300.0	6.650	96.250	89.600
1325.0	6.302	96.363	90.061
1350.0	5.810	96.475	90.665
1375.0	6.177	96.588	90.411
1400.0	7.160	96.700	89.540
1425.0	6.892	96.813	89.921
1450.0	6.768	96.925	90.157
1475.0	7.227	97.038	89.811
1500.0	7.468	97.150	89.682
1525.0	7.123	97.263	90.140
1550.0	7.813	97.375	89.562
1575.0	8.111	97.488	89.377
1600.0	8.178	97.600	89.422
1625.0	8.244	97.713	89.469
1650.0	8.309	97.825	89.516
1675.0	8.374	97.938	89.564
1700.0	8.283	98.050	89.767
1725.0	6.823	98.163	91.340
1750.0	9.889	98.275	88.386
1775.0	8.802	98.388	89.586
1800.0	8.964	98.500	89.536
1825.0	8.398	98.585	90.187
1850.0	7.846	98.670	90.824
1875.0	7.791	98.755	90.964
1900.0	7.981	98.840	90.859
1925.0	8.151	98.925	90.774
1950.0	8.075	99.010	90.935
1975.0	8.845	99.095	90.250
2000.0	8.008	99.180	91.172
2025.0	8.791	99.265	90.474
2050.0	8.098	99.350	91.252
2075.0	8.923	99.435	90.512
2100.0	8.165	99.520	91.355
2125.0	9.191	99.605	90.414
2150.0	8.704	99.690	90.986
2175.0	9.913	99.775	89.862
2200.0	8.261	99.860	91.599
2225.0	9.291	99.985	90.694
2250.0	8.662	100.110	91.448
2275.0	9.623	100.235	90.612
2300.0	8.920	100.360	91.440
2325.0	9.220	100.485	91.265
2350.0	9.492	100.610	91.118
2375.0	9.405	100.735	91.330
2400.0	9.575	100.860	91.285

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
- Proposed DFC
- Cart Track
- BT Road
- PC=Point of Curvature
- PT=Point of Tangency
- TS=Tangent to Spiral
- SC=Spiral to Curve
- CS=Curve to Spiral
- ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कॉरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

Rodic Consultants Pvt. Ltd.
H-78, First Floor,Sector-63,Noida,Uttar Pradesh,201307
Phone:+91-120-4615500, Fax:+91-120-4287707
Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

MEHSANA CONNECTING LINE FROM KM 0+000 TO KM 6+685

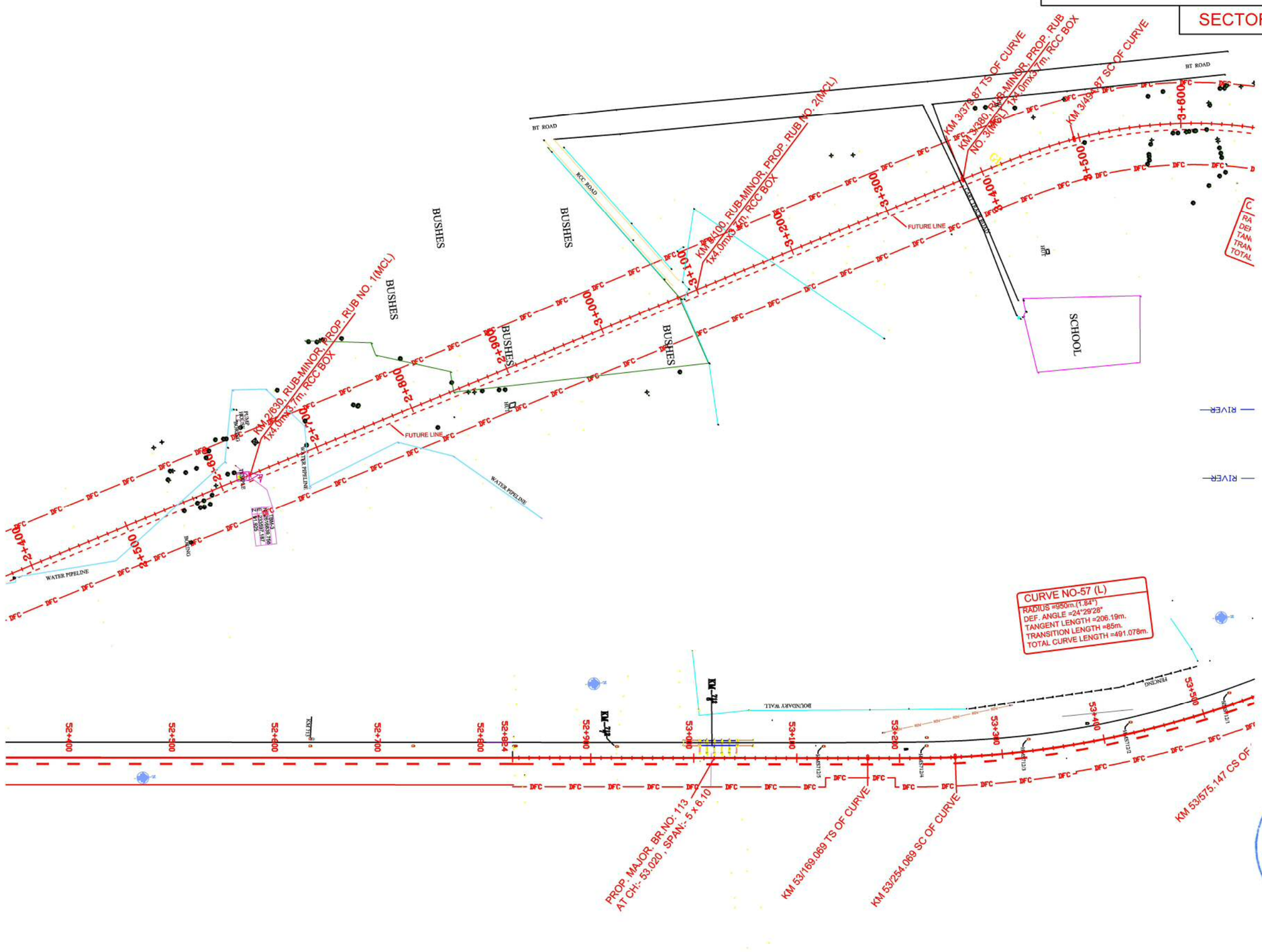
PLAN & PROFILE

CH:1200 TO CH:2400

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	2400 TO 3600
MEHSANA CONNECTING LINE	
SECTOR- 8N	

V-2-5-272



LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कॉरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

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DETAILED PROJECT REPORT

MEHSANA CONNECTING LINE FROM KM 0+000 TO KM 6+685

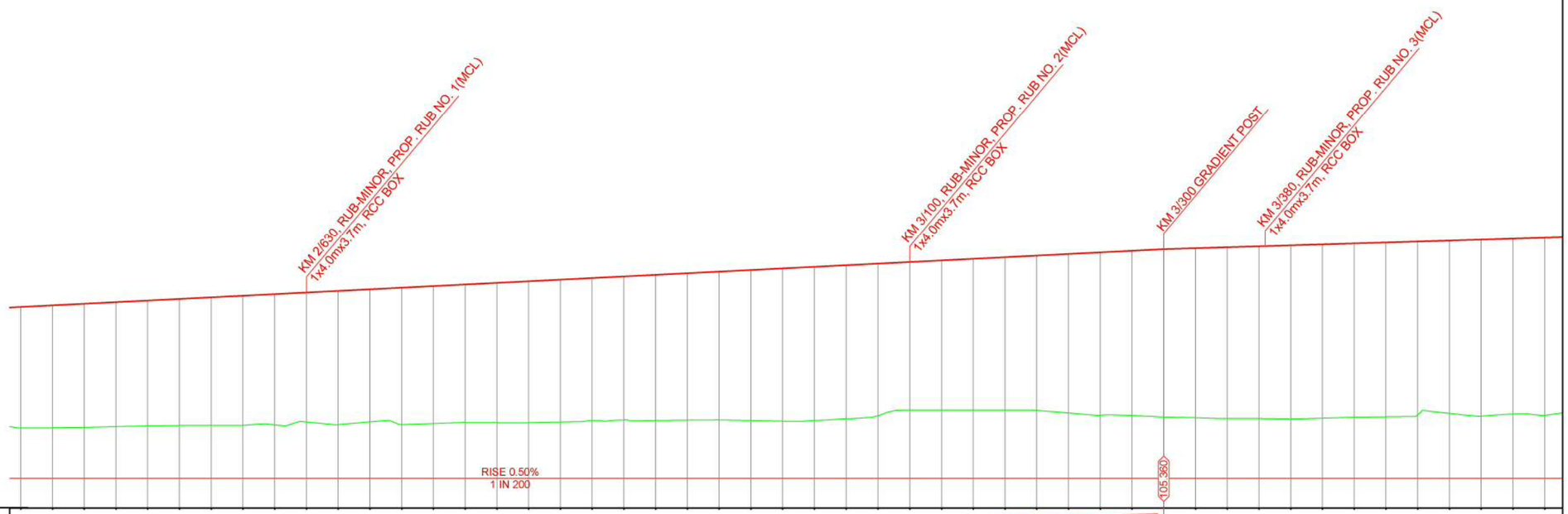
PLAN & PROFILE

CH:2400 TO CH:3600

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	2400 TO 3600
MEHSANA CONNECTING LINE	
SECTOR- 8N	

V-2-5-273



Level Datum = 85

Vertical: G=0.50%, L=1100.00m

Horizontal: L=1235.8; L=115m

Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
2400.0	9.575	100.860	91.285
2425.0	9.671	100.985	91.314
2450.0	9.765	101.110	91.345
2475.0	9.831	101.235	91.404
2500.0	9.900	101.360	91.460
2525.0	9.996	101.485	91.489
2550.0	10.096	101.610	91.514
2575.0	10.223	101.735	91.512
2600.0	10.313	101.860	91.547
2625.0	10.222	101.985	91.763
2650.0	10.555	102.110	91.555
2675.0	10.459	102.235	91.776
2700.0	10.794	102.360	91.566
2725.0	10.834	102.485	91.651
2750.0	10.882	102.610	91.728
2775.0	11.018	102.735	91.717
2800.0	11.154	102.860	91.706
2825.0	11.221	102.985	91.764
2850.0	11.226	103.110	91.884
2875.0	11.301	103.235	91.934
2900.0	11.479	103.360	91.881
2925.0	11.574	103.485	91.911
2950.0	11.681	103.610	91.929
2975.0	11.852	103.735	91.883
3000.0	12.023	103.860	91.837
3025.0	12.108	103.985	91.877
3050.0	12.094	104.110	92.016
3075.0	11.982	104.235	92.253
3100.0	11.663	104.360	92.697
3125.0	11.787	104.485	92.688
3150.0	11.911	104.610	92.699
3175.0	12.035	104.735	92.700
3200.0	12.186	104.860	92.674
3225.0	12.514	104.985	92.471
3250.0	12.820	105.110	92.290
3275.0	12.966	105.235	92.269
3300.0	13.209	105.360	92.151
3325.0	13.340	105.435	92.095
3350.0	13.467	105.510	92.043
3375.0	13.554	105.585	92.031
3400.0	13.663	105.660	91.997
3425.0	13.669	105.735	92.066
3450.0	13.679	105.810	92.131
3475.0	13.716	105.885	92.169
3500.0	13.616	105.960	92.344
3525.0	13.596	106.035	92.439
3550.0	13.899	106.110	92.220
3575.0	13.788	106.185	92.397
3600.0	13.955	106.260	92.305

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
- Proposed DFC
- Cart Track
- BT Road
- PC=Point of Curvature
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कॉरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

MEHSANA CONNECTING LINE FROM KM 0+000 TO KM 6+685

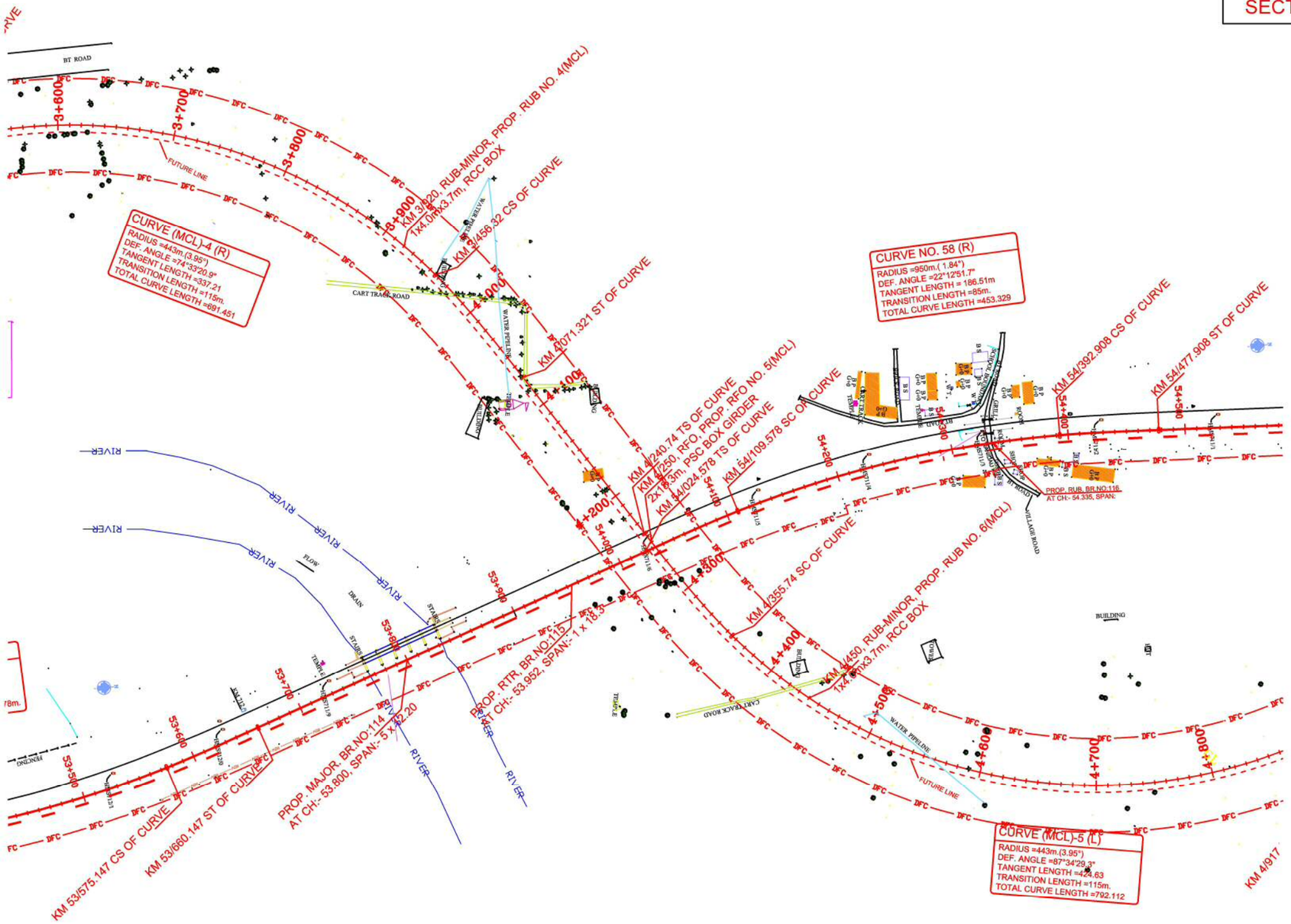
PLAN & PROFILE

CH:2400 TO CH:3600

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	3600 TO 4800
MEHSANA CONNECTING LINE	
SECTOR- 8N	

V-2-5-274



LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
- Proposed DFC
- Cart Track
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कोरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

MEHSANA CONNECTING LINE FROM KM 0+000 TO KM 6+685

PLAN & PROFILE

CH:3600 TO CH:4800

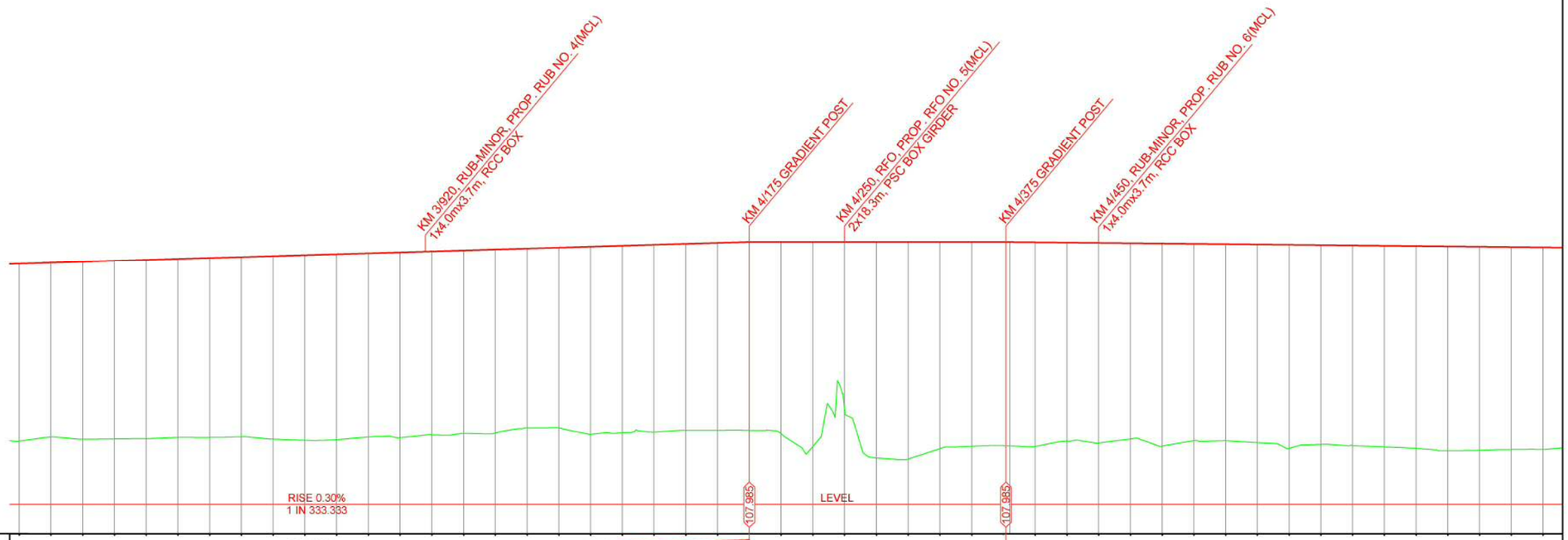
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

DFCC NEW DELHI

CONSORTIUM NJPI

CHAINAGE	3600 TO 4800
MEHSANA CONNECTING LINE	
SECTOR- 8N	

V-2-5-275



Level Datum = 85

Vertical: G=0.30% L=875.00m; G=0% L=200.00m; G = - 0.34% L=1200.00m

Horizontal: R=443 CL 461.451; L=115m; L=169.419; L=115m; R=443 CL 562.112

Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
3600.0	13.965	106.260	92.295
3625.0	13.711	106.335	92.624
3650.0	13.966	106.410	92.444
3675.0	14.015	106.485	92.470
3700.0	14.064	106.560	92.496
3725.0	14.053	106.635	92.582
3750.0	14.127	106.710	92.583
3775.0	14.148	106.785	92.637
3800.0	14.413	106.860	92.447
3825.0	14.566	106.935	92.369
3850.0	14.599	107.010	92.411
3875.0	14.464	107.085	92.621
3900.0	14.590	107.160	92.570
3925.0	14.437	107.235	92.798
3950.0	14.416	107.310	92.884
3975.0	14.452	107.385	92.933
4000.0	14.146	107.460	93.314
4025.0	14.224	107.535	93.311
4050.0	14.789	107.610	92.821
4075.0	14.746	107.685	92.999
4100.0	14.765	107.760	92.995
4125.0	14.703	107.835	93.132
4150.0	14.775	107.910	93.135
4175.0	14.852	107.985	93.133
4200.0	15.113	107.985	92.872
4225.0	16.101	107.985	91.884
4250.0	13.231	107.985	94.754
4275.0	17.003	107.985	90.982
4300.0	17.090	107.985	90.895
4325.0	16.274	107.985	91.711
4350.0	16.097	107.985	91.888
4375.0	16.043	107.985	91.942
4400.0	16.023	107.900	91.877
4425.0	15.517	107.815	92.298
4450.0	15.586	107.730	92.144
4475.0	15.168	107.645	92.477
4500.0	15.651	107.560	91.909
4525.0	15.134	107.475	92.341
4550.0	15.060	107.390	92.330
4575.0	15.125	107.305	92.180
4600.0	15.496	107.220	91.724
4625.0	15.088	107.135	92.047
4650.0	15.096	107.050	91.954
4675.0	15.123	106.965	91.842
4700.0	15.147	106.880	91.733
4725.0	15.248	106.795	91.547
4750.0	15.129	106.710	91.581
4775.0	14.981	106.625	91.644
4800.0	14.892	106.540	91.648

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
- Proposed DFC
- Cart Track
- BT Road
- PC=Point of Curvature
- PT=Point of Tangency
- TS=Tangent to Spiral
- SC=Spiral to Curve
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कोरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

MEHSANA CONNECTING LINE FROM KM 0+000 TO KM 6+685

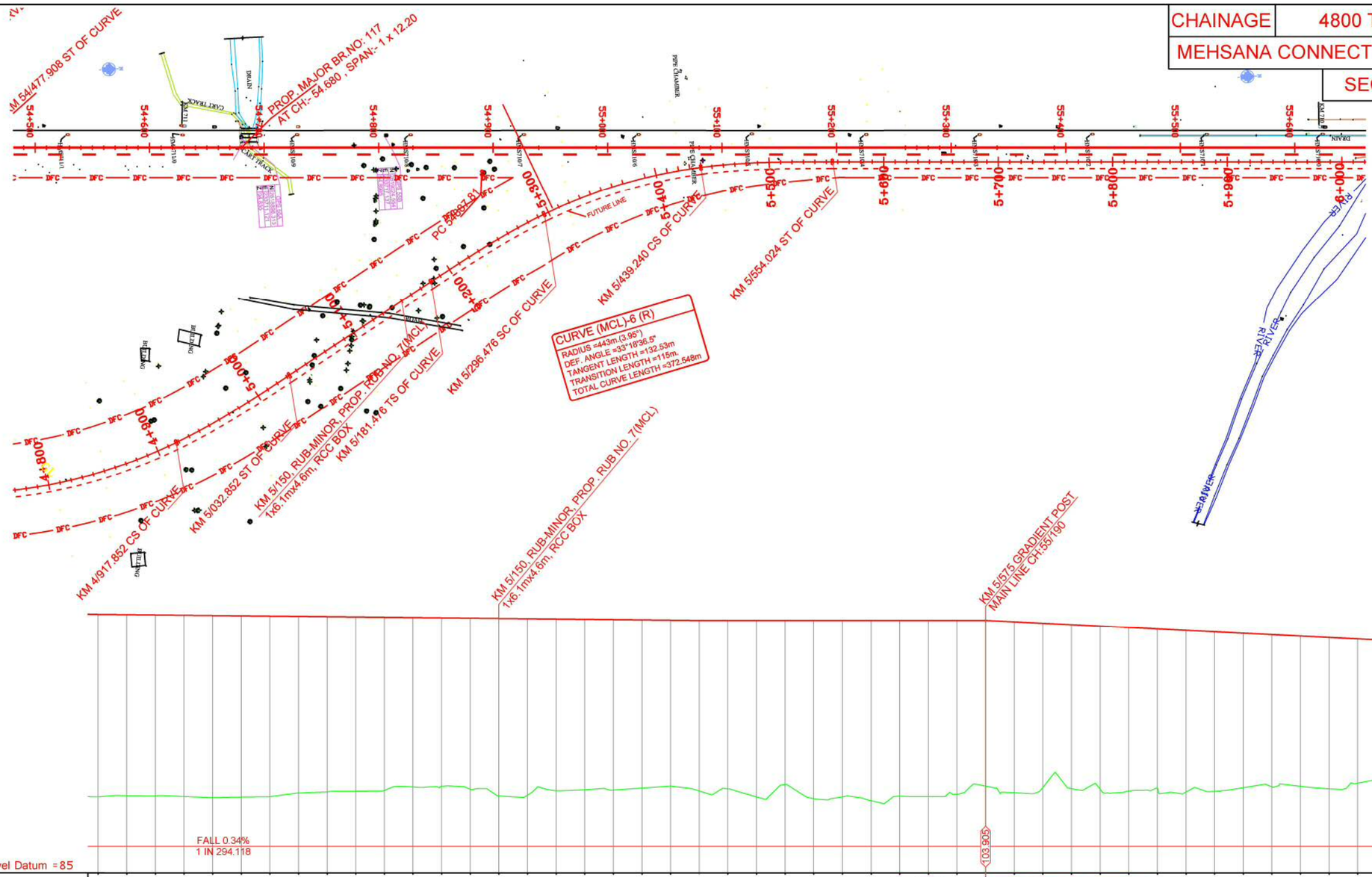
PLAN & PROFILE

CH:3600 TO CH:4800

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	4800 TO 6000
MEHSANA CONNECTING LINE	
SECTOR- 8N	

V-2-5-276



Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
4800.0	14.892	106.540	91.648
4825.0	14.707	106.455	91.748
4850.0	14.645	106.370	91.725
4875.0	14.608	106.285	91.677
4900.0	14.621	106.200	91.579
4925.0	14.488	106.115	91.627
4950.0	14.378	106.030	91.652
4975.0	13.974	105.945	91.971
5000.0	13.778	105.860	92.082
5025.0	13.636	105.775	92.139
5050.0	13.492	105.690	92.198
5075.0	13.107	105.605	92.498
5100.0	12.971	105.520	92.549
5125.0	13.148	105.435	92.287
5150.0	13.616	105.350	91.734
5175.0	13.472	105.265	91.793
5200.0	13.021	105.180	92.159
5225.0	12.839	105.095	92.256
5250.0	12.779	105.010	92.231
5275.0	12.524	104.925	92.401
5300.0	12.266	104.840	92.574
5325.0	12.602	104.755	92.153
5350.0	12.332	104.670	92.338
5375.0	12.941	104.585	91.644
5400.0	11.798	104.500	92.702
5425.0	12.927	104.415	91.488
5450.0	12.682	104.330	91.648
5475.0	12.947	104.245	91.298
5500.0	12.459	104.160	91.701
5525.0	12.415	104.075	91.650
5550.0	12.111	103.990	91.879
5575.0	11.333	103.905	92.572
5600.0	11.785	103.780	91.995
5625.0	11.195	103.655	92.460
5650.0	11.176	103.530	92.354
5675.0	11.104	103.405	92.301
5700.0	11.131	103.280	92.149
5725.0	10.784	103.155	92.371
5750.0	10.962	103.030	92.068
5775.0	10.794	102.905	92.111
5800.0	10.340	102.780	92.440
5825.0	10.143	102.655	92.512
5850.0	9.975	102.530	92.555
5875.0	10.064	102.405	92.341
5900.0	9.452	102.280	92.828
5925.0	9.674	102.155	92.481
5950.0	9.797	102.030	92.233
5975.0	10.088	101.905	91.807
6000.0	9.849	101.780	91.784

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
PT=Point of Tangency
TS=Tangent to Spiral
SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

MEHSANA CONNECTING LINE FROM KM 0+000 TO KM 6+685

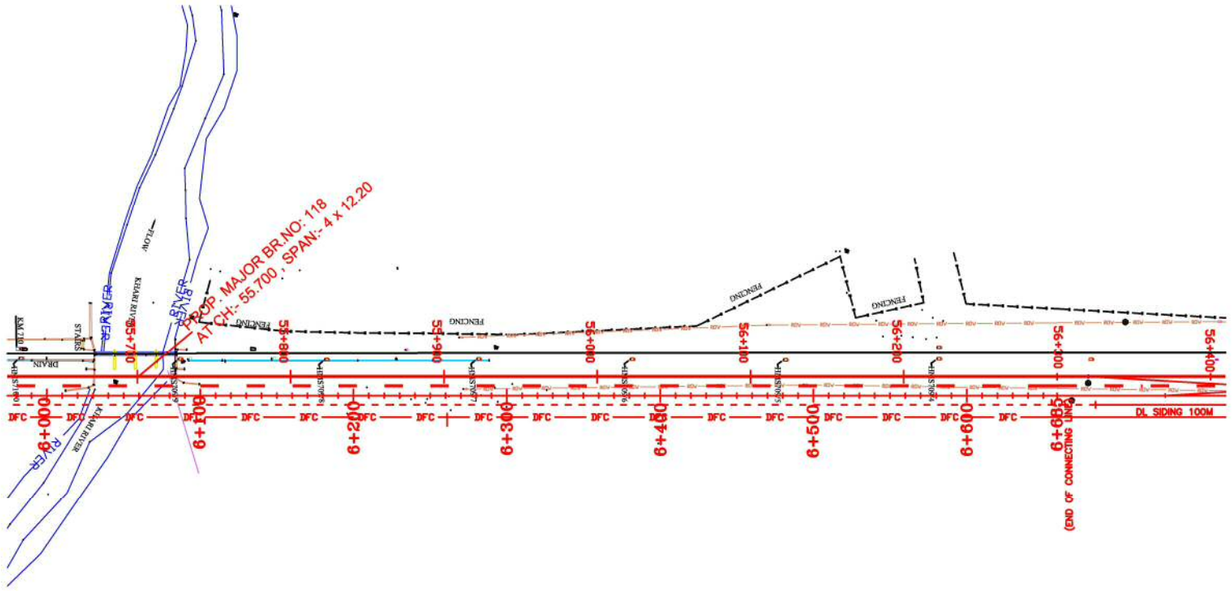
PLAN & PROFILE

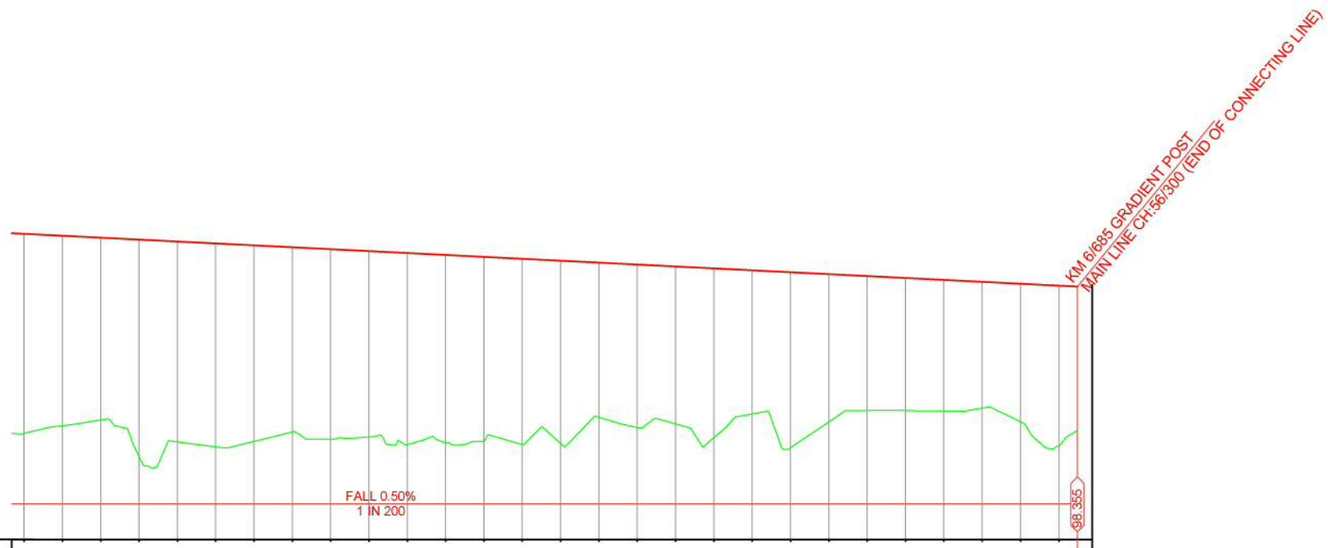
CH:4800 TO CH:6000

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	6000 TO 6685
MEHSANA CONNECTING LINE	
SECTOR- 8N	

V-2-5-277





Level Datum = 85

Vertical	G = - 0.50% L=1110.00m
Horizontal	L=1589.294

Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
6000.0	9.849	101.780	91.931
6025.0	9.239	101.655	92.416
6050.0	8.735	101.530	92.795
6075.0	10.998	101.405	90.407
6100.0	9.906	101.280	91.374
6125.0	10.108	101.155	91.047
6150.0	9.622	101.030	91.408
6175.0	8.885	100.905	92.020
6200.0	9.235	100.780	91.545
6225.0	8.961	100.655	91.694
6250.0	9.330	100.530	91.200
6275.0	9.094	100.405	91.311
6300.0	8.849	100.280	91.431
6325.0	8.949	100.155	91.206
6350.0	8.758	100.030	91.272
6375.0	6.942	99.905	92.963
6400.0	7.472	99.780	92.308
6425.0	7.118	99.655	92.537
6450.0	7.879	99.530	91.651
6475.0	6.226	99.405	93.179
6500.0	8.293	99.280	90.987
6525.0	6.482	99.155	92.673
6550.0	5.636	99.030	93.394
6575.0	5.508	98.905	93.397
6600.0	5.408	98.780	93.372
6625.0	5.101	98.655	93.554
6650.0	5.861	98.530	92.669
6675.0	7.262	98.405	91.143
6685.0	6.512	98.355	91.843

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
PT=Point of Tangency
TS=Tangent to Spiral
SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

केरीकेटेड रेल कोरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

Rodic Consultants Pvt. Ltd.
H-78, First Floor,Sector-63,Noida,Uttar Pradesh,201307
Phone:+91-120-4615500, Fax:+91-120-4287707
Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

MEHSANA CONNECTING LINE FROM KM 0+000 TO KM 6+685

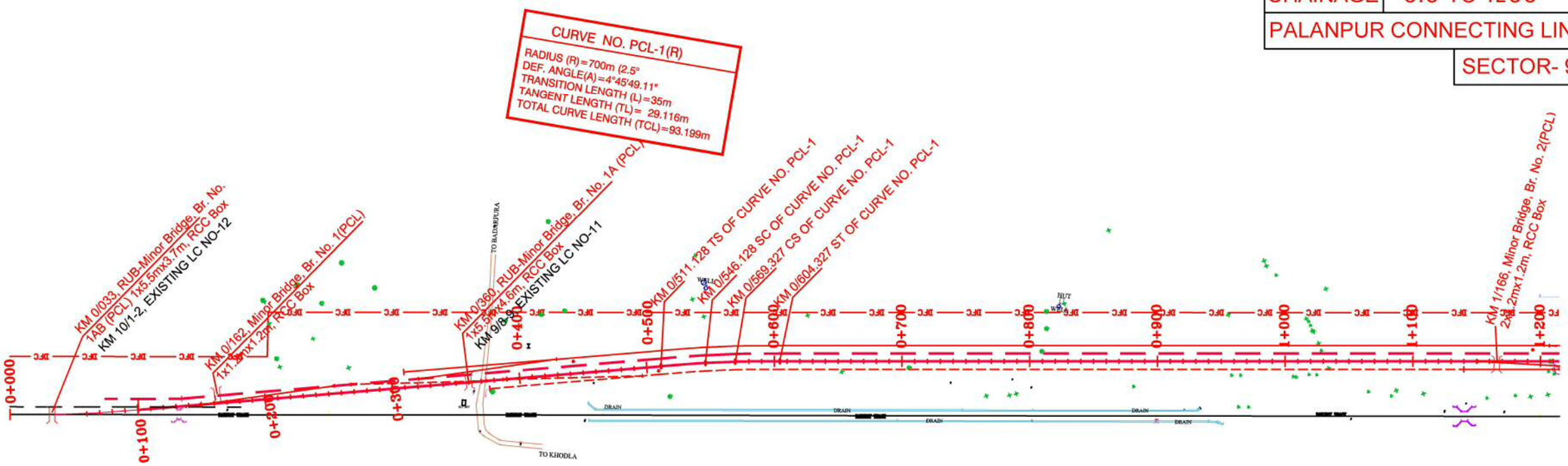
PLAN & PROFILE

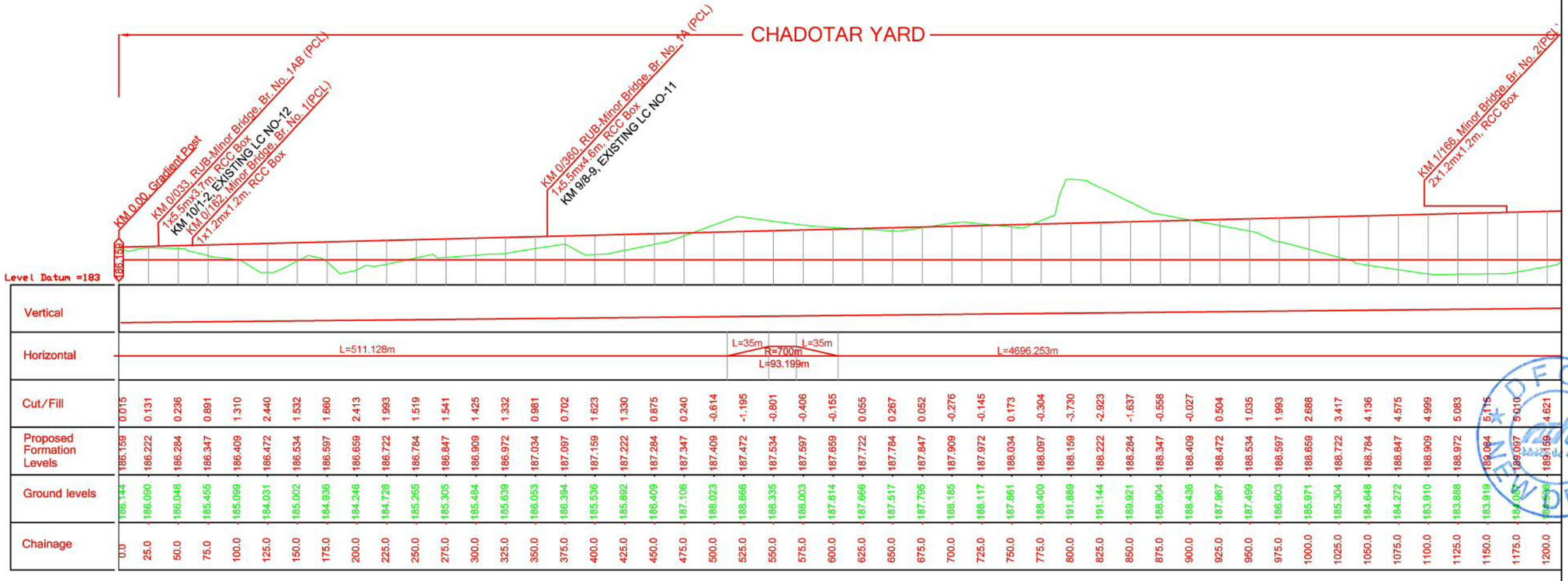
CH:6000 TO CH:6685

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	0.0 TO 1200
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-278





Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
0.0	0.015	186.159	186.144
25.0	0.131	186.222	186.090
50.0	0.236	186.284	186.048
75.0	0.891	186.347	185.455
100.0	1.310	186.409	185.099
125.0	2.440	186.472	184.031
150.0	1.532	186.534	185.002
175.0	1.660	186.597	184.936
200.0	2.413	186.659	184.246
225.0	1.993	186.722	184.728
250.0	1.519	186.784	185.265
275.0	1.541	186.847	185.305
300.0	1.425	186.909	185.484
325.0	1.332	186.972	185.639
350.0	0.981	187.034	186.053
375.0	0.702	187.097	186.394
400.0	1.623	187.159	185.536
425.0	1.330	187.222	185.892
450.0	0.875	187.284	186.409
475.0	0.240	187.347	187.106
500.0	-0.614	187.409	188.023
525.0	-1.195	187.472	188.666
550.0	-0.801	187.534	188.335
575.0	-0.406	187.597	188.003
600.0	-0.155	187.659	187.814
625.0	0.055	187.722	187.666
650.0	0.267	187.784	187.517
675.0	0.052	187.847	187.795
700.0	-0.276	187.909	188.185
725.0	-0.145	187.972	188.117
750.0	0.173	188.034	187.861
775.0	-0.304	188.097	188.400
800.0	-3.730	188.159	191.889
825.0	-2.923	188.222	191.144
850.0	-1.637	188.284	189.921
875.0	-0.558	188.347	188.904
900.0	-0.027	188.409	188.436
925.0	0.504	188.472	187.967
950.0	1.035	188.534	187.499
975.0	1.993	188.597	186.603
1000.0	2.688	188.659	185.971
1025.0	3.417	188.722	185.304
1050.0	4.136	188.784	184.648
1075.0	4.575	188.847	184.272
1100.0	4.999	188.909	183.910
1125.0	5.083	188.972	183.888
1150.0	5.115	189.084	183.918
1175.0	5.010	189.097	184.087
1200.0	4.621	189.159	184.538

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
PT=Point of Tangency
TS=Tangent to Spiral
SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कॉरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

PALANPUR CONNECTING LINE

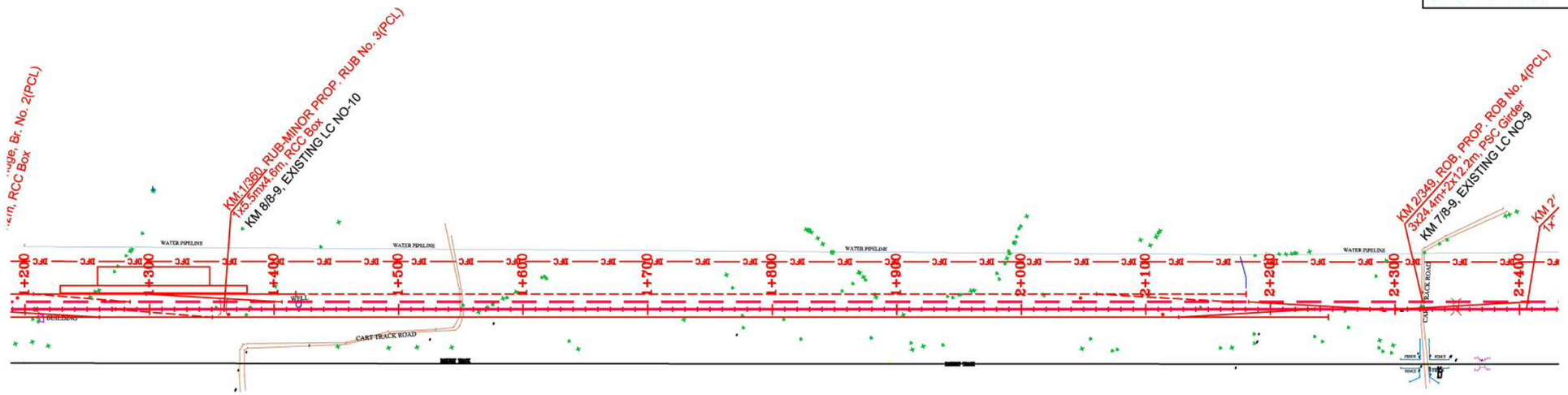
PLAN & PROFILE

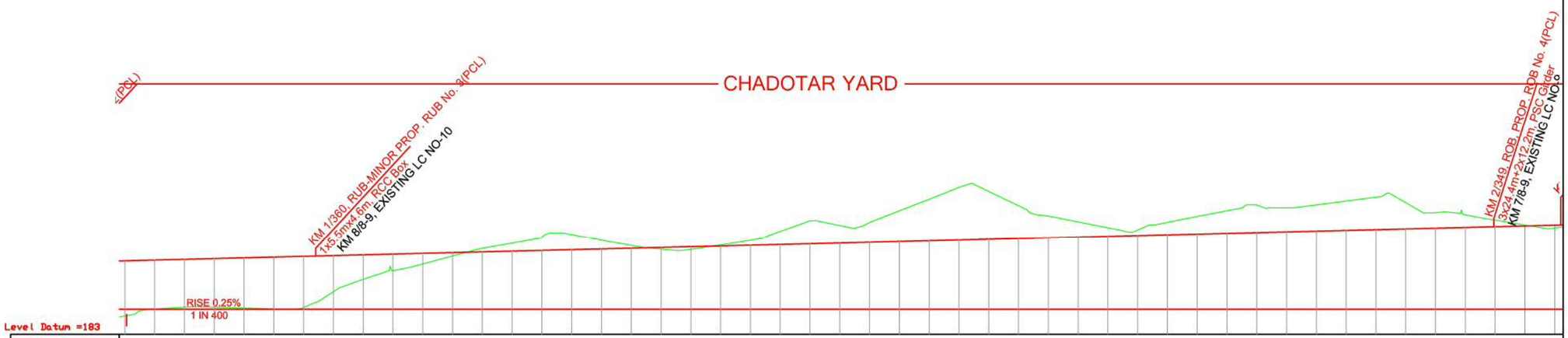
CH: 0.0 TO CH: 1200

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/01
SHEET NO:	

CHAINAGE	1200 TO 2400
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-279





Vertical	G=0.25% L=2420.0m
Horizontal	L=4696.253m

Chainage	Ground levels	Proposed Formation Levels	Cut/Fill
1200.0	184.538	189.159	4.621
1225.0	185.113	189.222	4.108
1250.0	185.262	189.284	4.022
1275.0	185.276	189.347	4.070
1300.0	185.204	189.409	4.205
1325.0	185.132	189.472	4.339
1350.0	185.250	189.534	4.284
1375.0	186.567	189.597	3.029
1400.0	187.601	189.659	2.058
1425.0	188.341	189.722	1.380
1450.0	188.900	189.784	0.884
1475.0	189.566	189.847	0.280
1500.0	190.221	189.909	-0.312
1525.0	190.654	189.972	-0.683
1550.0	191.128	190.034	-1.094
1575.0	191.362	190.097	-1.266
1600.0	190.895	190.159	-0.736
1625.0	190.459	190.222	-0.238
1650.0	190.142	190.284	0.142
1675.0	190.120	190.347	0.226
1700.0	190.502	190.409	-0.093
1725.0	190.896	190.472	-0.424
1750.0	191.640	190.534	-1.106
1775.0	192.511	190.597	-1.915
1800.0	192.131	190.659	-1.472
1825.0	192.373	190.722	-1.652
1850.0	193.357	190.784	-2.573
1875.0	194.331	190.847	-3.485
1900.0	195.306	190.909	-4.397
1925.0	194.978	190.972	-4.007
1950.0	193.778	191.034	-2.744
1975.0	192.915	191.097	-1.819
2000.0	192.426	191.159	-1.267
2025.0	191.938	191.222	-0.716
2050.0	191.753	191.284	-0.469
2075.0	192.396	191.347	-1.049
2100.0	192.883	191.409	-1.474
2125.0	193.369	191.472	-1.898
2150.0	193.840	191.534	-2.306
2175.0	193.602	191.597	-2.006
2200.0	193.860	191.659	-2.201
2225.0	194.176	191.722	-2.455
2250.0	194.493	191.784	-2.709
2275.0	194.034	191.847	-2.188
2300.0	193.207	191.909	-1.298
2325.0	193.031	191.972	-1.060
2350.0	192.581	192.034	-0.547
2375.0	192.175	192.097	-0.077
2400.0	192.336	192.569	0.233

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
- Proposed DFC
- Cart Track
- BT Road
- PC=Point of Curvature
- PT=Point of Tangency
- TS=Tangent to Spiral
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

PALANPUR CONNECTING LINE

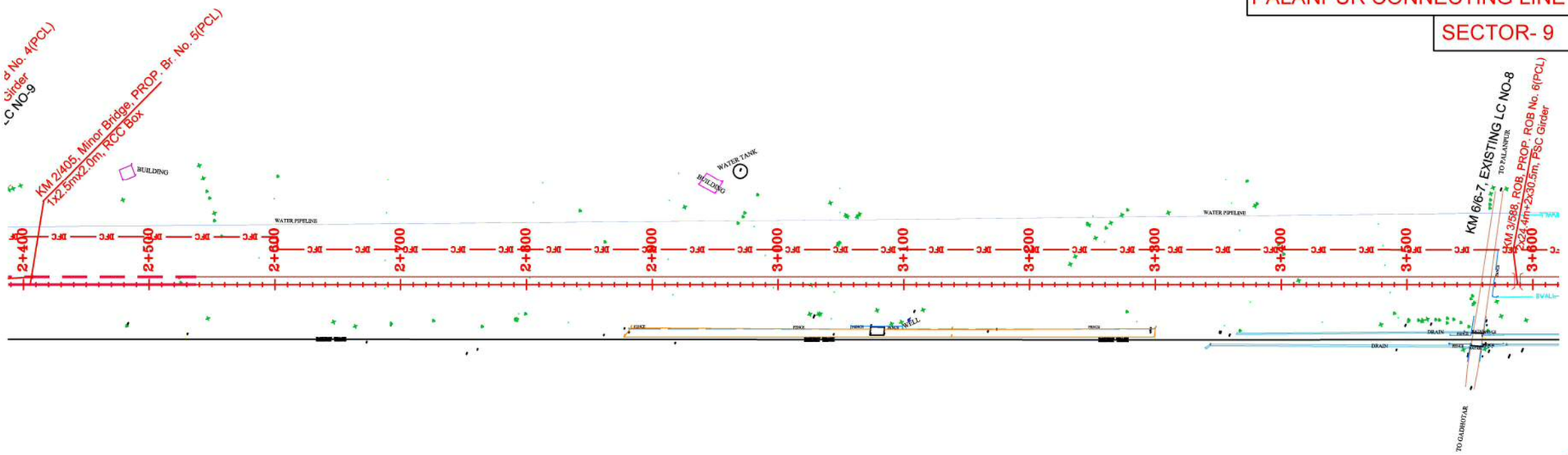
PLAN & PROFILE

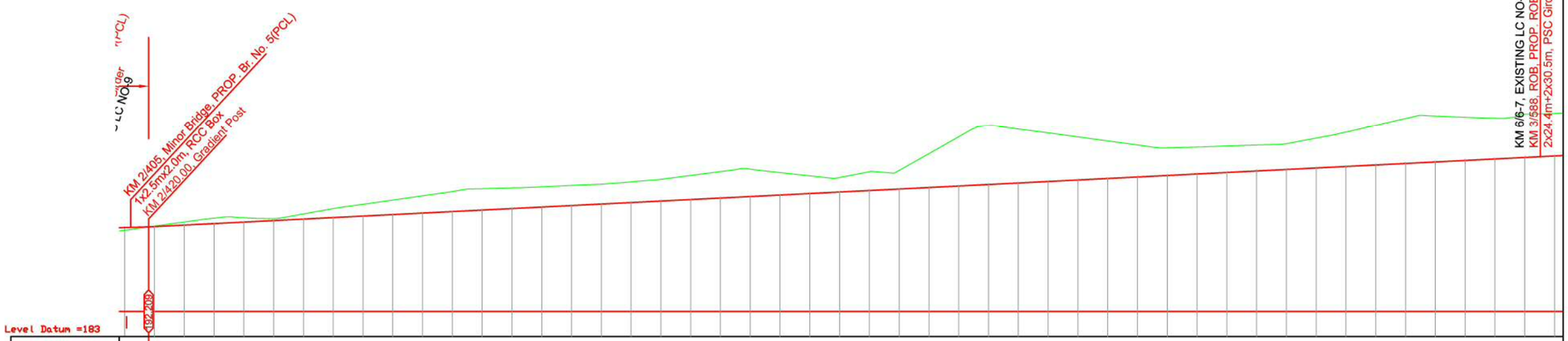
CH: 1200 TO CH: 2400

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/02
SHEET NO:	

CHAINAGE	2400 TO 3600
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-280





Vertical

Horizontal: L=4696.253m

Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
2400.0	0.233	192.159	191.926
2420.0	-0.036	192.209	192.270
2425.0	-0.254	192.234	192.613
2450.0	-0.449	192.359	192.933
2475.0	-0.352	192.484	192.961
2500.0	-0.154	192.609	192.888
2525.0	-0.424	192.734	193.283
2550.0	-0.741	192.859	193.725
2575.0	-0.886	192.984	194.095
2600.0	-1.210	193.109	194.444
2625.0	-1.433	193.234	194.792
2650.0	-1.664	193.359	195.148
2675.0	-1.785	193.484	195.394
2700.0	-1.724	193.609	195.458
2725.0	-1.690	193.734	195.549
2750.0	-1.674	193.859	195.658
2775.0	-1.658	193.984	195.767
2800.0	-1.723	194.109	195.957
2825.0	-1.813	194.234	196.172
2850.0	-2.006	194.359	196.490
2875.0	-2.199	194.484	196.808
2900.0	-2.274	194.609	197.008
2925.0	-1.869	194.734	196.728
2950.0	-1.477	194.859	196.461
2975.0	-1.217	194.984	196.326
3000.0	-1.569	195.109	196.803
3025.0	-1.558	195.234	196.917
3050.0	-2.839	195.359	198.323
3075.0	-4.121	195.484	199.730
3100.0	-4.921	195.609	200.655
3125.0	-4.514	195.734	200.373
3150.0	-4.054	195.859	200.038
3175.0	-3.594	195.984	199.703
3200.0	-3.134	196.109	199.368
3225.0	-2.674	196.234	199.033
3250.0	-2.306	196.359	198.790
3275.0	-2.260	196.484	198.869
3300.0	-2.214	196.609	198.948
3325.0	-2.169	196.734	199.028
3350.0	-2.153	196.859	199.137
3375.0	-2.503	196.984	199.612
3400.0	-2.883	197.109	200.117
3425.0	-3.330	197.234	200.689
3450.0	-3.777	197.359	201.261
3475.0	-3.863	197.484	201.472
3500.0	-3.631	197.609	201.365
3525.0	-3.415	197.734	201.274
3550.0	-3.536	197.859	201.634
3575.0	-3.586	197.984	201.694
3600.0		198.109	

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
- Proposed DFC
- Cart Track
- BT Road
- PC=Point of Curvature
- PT=Point of Tangency
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

PALANPUR CONNECTING LINE

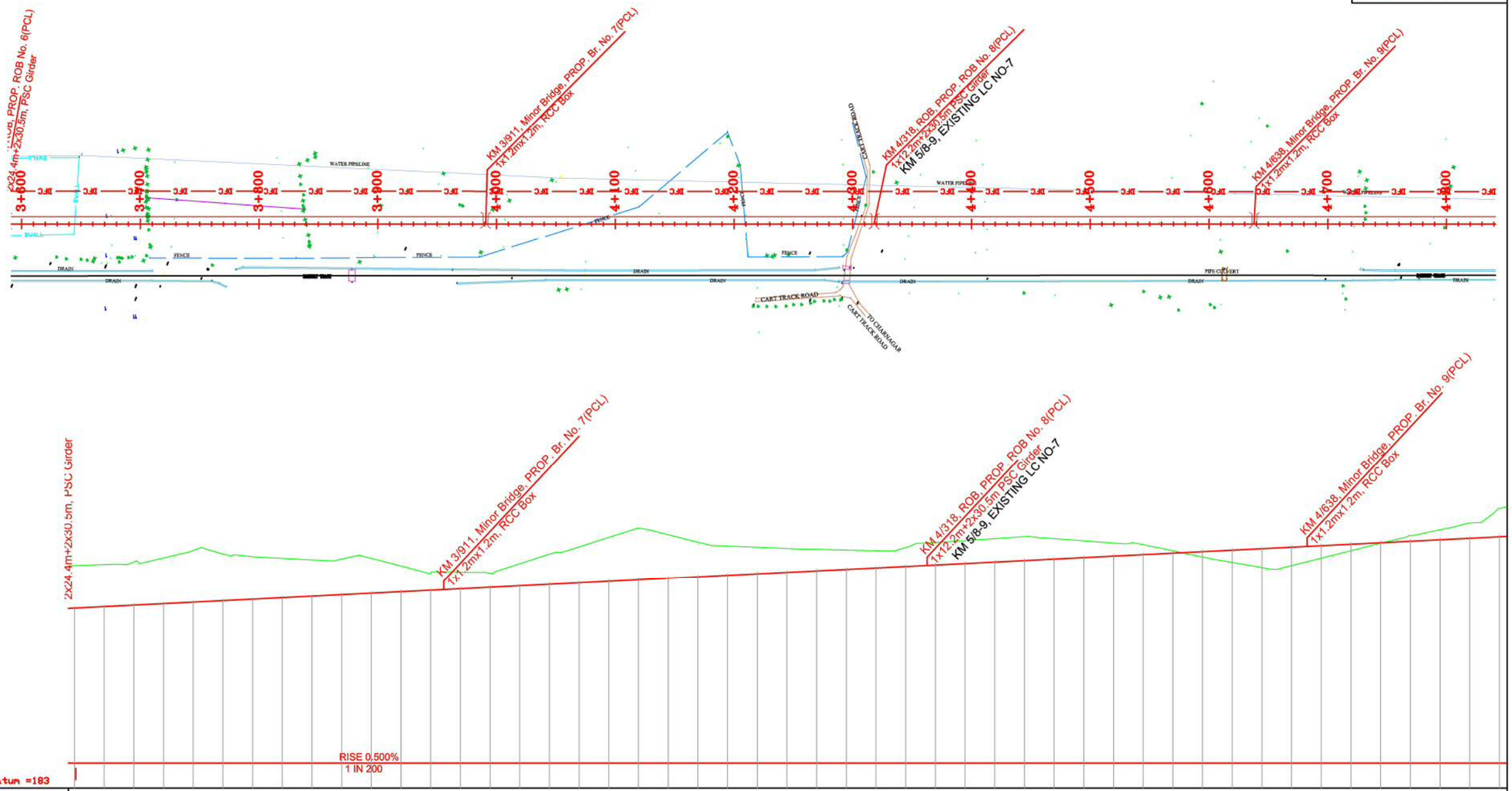
PLAN & PROFILE

CH: 2400 TO CH: 3600

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/03
SHEET NO:	

CHAINAGE	3600 TO 4800
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-281



Vertical	G=0.500% L=2860.0m
Horizontal	L=4696.253m

Chainage	Ground levels	Proposed Formation Levels	Cut/Fill
3600.0	201.695	198.109	-3.586
3625.0	201.771	198.234	-3.537
3650.0	201.998	198.359	-3.639
3675.0	202.332	198.484	-3.848
3700.0	202.954	198.609	-4.345
3725.0	202.678	198.734	-3.944
3750.0	202.445	198.859	-3.586
3775.0	202.293	198.984	-3.309
3800.0	202.164	199.109	-3.055
3825.0	202.243	199.234	-3.009
3850.0	202.299	199.359	-2.940
3875.0	201.655	199.484	-2.171
3900.0	201.049	199.609	-1.440
3925.0	201.135	199.734	-1.401
3950.0	201.049	199.859	-1.190
3975.0	201.845	199.984	-1.861
4000.0	202.654	200.109	-2.545
4025.0	203.267	200.234	-3.033
4050.0	204.068	200.359	-3.709
4075.0	204.825	200.484	-4.341
4100.0	204.286	200.609	-3.677
4125.0	203.662	200.734	-2.928
4150.0	203.328	200.859	-2.469
4175.0	203.229	200.984	-2.245
4200.0	203.130	201.109	-2.021
4225.0	203.055	201.234	-1.821
4250.0	202.999	201.359	-1.640
4275.0	202.944	201.484	-1.460
4300.0	203.223	201.609	-1.614
4325.0	203.641	201.734	-1.907
4350.0	203.794	201.859	-1.935
4375.0	203.963	201.984	-1.979
4400.0	204.131	202.109	-2.022
4425.0	203.956	202.234	-1.722
4450.0	203.774	202.359	-1.415
4475.0	203.592	202.484	-1.108
4500.0	203.457	202.609	-0.848
4525.0	202.939	202.734	-0.205
4550.0	202.421	202.859	0.438
4575.0	201.956	202.984	1.028
4600.0	201.514	203.109	1.595
4625.0	201.695	203.234	1.539
4650.0	202.320	203.359	1.039
4675.0	202.944	203.484	0.540
4700.0	203.569	203.609	0.040
4725.0	204.223	203.734	-0.489
4750.0	204.702	203.859	-0.843
4775.0	205.168	203.984	-1.184
4800.0	206.493	204.109	-2.383

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

PALANPUR CONNECTING LINE

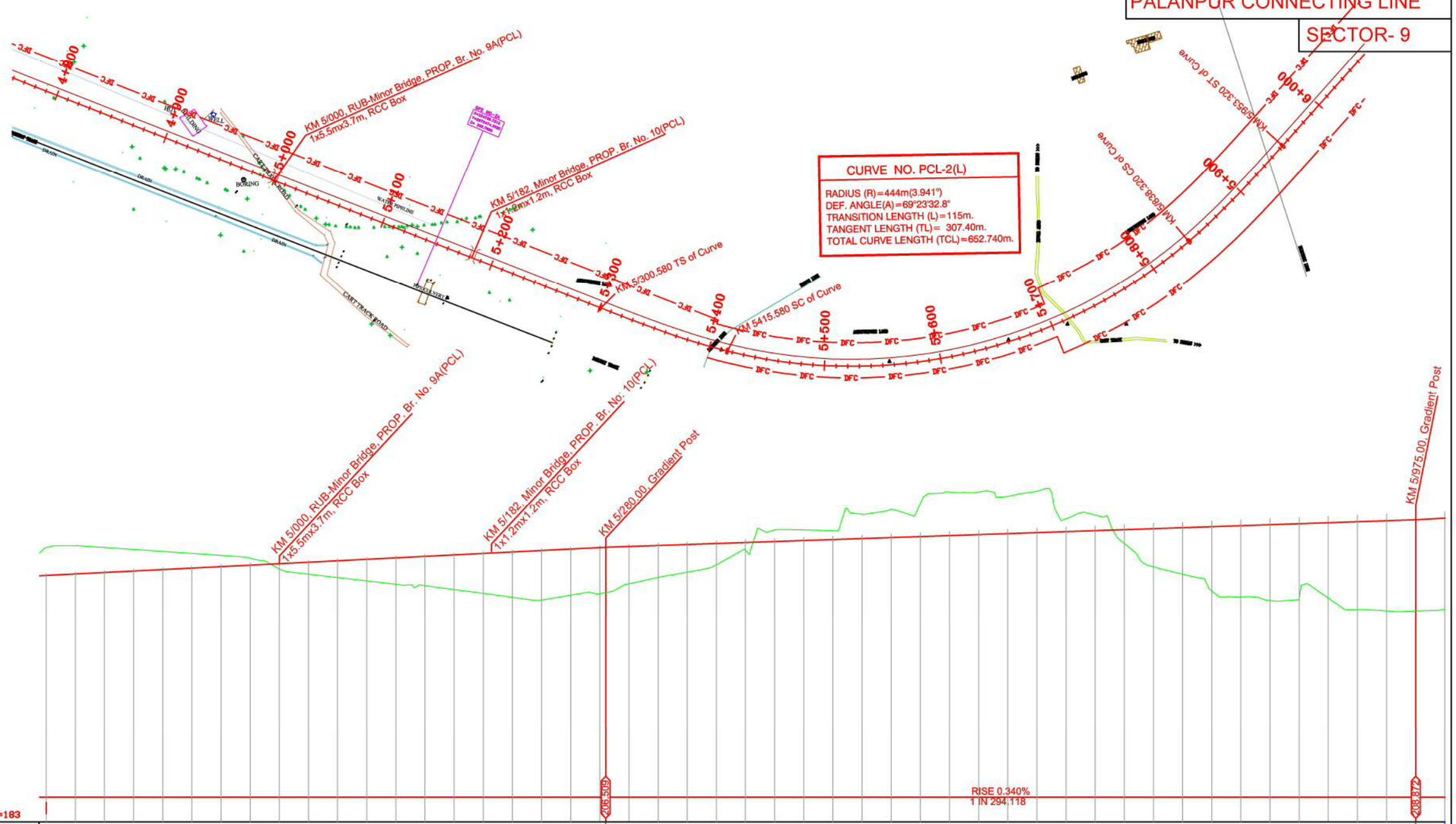
PLAN & PROFILE

CH: 3600 TO CH: 4800

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/04
SHEET NO:	

CHAINAGE	4800 TO 6000
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-282



Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
4800.0	-2.383	204.109	206.492
4825.0	-2.411	204.234	206.645
4850.0	-2.133	204.359	206.492
4875.0	-1.838	204.484	206.322
4900.0	-1.544	204.609	206.153
4925.0	-1.249	204.734	205.983
4950.0	-0.954	204.859	205.813
4975.0	-0.593	204.984	205.577
5000.0	0.464	205.109	204.645
5025.0	1.026	205.234	204.208
5050.0	1.440	205.359	203.919
5075.0	1.853	205.484	203.631
5100.0	2.266	205.609	203.343
5125.0	2.507	205.734	203.227
5150.0	2.965	205.859	202.894
5175.0	3.423	205.984	202.561
5200.0	3.881	206.109	202.228
5225.0	4.236	206.234	201.998
5250.0	3.950	206.359	202.409
5275.0	3.952	206.484	202.532
5280.0		206.509	
5300.0	3.191	206.577	203.386
5325.0	2.728	206.662	203.934
5350.0	2.366	206.747	204.381
5375.0	1.813	206.832	205.019
5400.0	0.661	206.917	206.256
5425.0	-0.997	207.002	207.999
5450.0	-0.909	207.087	207.996
5475.0	-0.757	207.172	207.929
5500.0	-2.074	207.257	209.331
5525.0	-2.428	207.342	209.770
5550.0	-2.855	207.427	210.282
5575.0	-3.750	207.512	211.262
5600.0	-3.671	207.597	211.268
5625.0	-3.217	207.682	210.899
5650.0	-3.576	207.767	211.343
5675.0	-1.091	207.852	208.943
5700.0	-1.335	207.937	209.272
5725.0	1.185	208.022	206.837
5750.0	3.271	208.107	204.836
5775.0	3.984	208.192	204.208
5800.0	5.502	208.277	202.775
5825.0	6.099	208.362	202.263
5850.0	6.488	208.447	201.959
5875.0	6.340	208.532	202.192
5900.0	6.462	208.617	202.155
5925.0	7.531	208.702	201.171
5950.0	7.720	208.787	201.067
5975.0	7.814	208.872	201.058
6000.0	7.785	208.957	201.172

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
PT=Point of Tangency
TS=Tangent to Spiral
SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कॉरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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Phone:+91-120-4615500, Fax:+91-120-4287707
Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

PALANPUR CONNECTING LINE

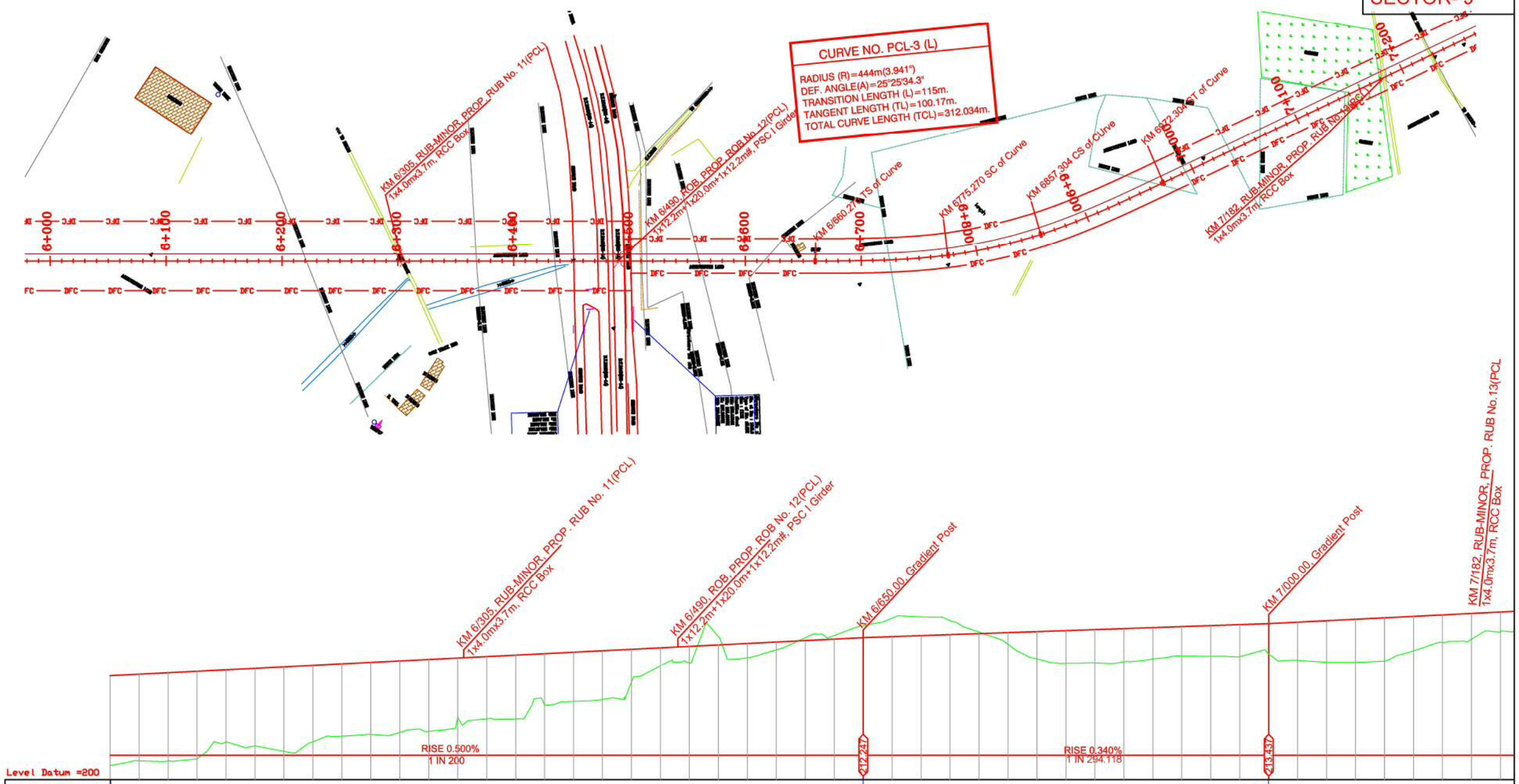
PLAN & PROFILE

CH: 4800 TO CH: 6000

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/05
SHEET NO:	

CHAINAGE	6000 TO 7200
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-283



Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
6000.0	7.785	208.997	201.212
6025.0	7.501	209.122	201.621
6050.0	7.647	209.247	201.600
6075.0	7.572	209.372	201.800
6100.0	6.270	209.497	203.227
6125.0	6.720	209.622	202.902
6150.0	7.317	209.747	202.430
6175.0	6.601	209.872	203.271
6200.0	6.254	209.997	203.743
6225.0	6.225	210.122	203.897
6250.0	6.178	210.247	204.069
6275.0	6.208	210.372	204.164
6300.0	5.113	210.497	205.384
6325.0	5.386	210.622	205.236
6350.0	5.525	210.747	205.222
6375.0	4.472	210.872	206.400
6400.0	4.258	210.997	206.739
6425.0	4.220	211.122	206.902
6450.0	2.803	211.247	208.444
6475.0	1.535	211.372	209.837
6500.0	1.448	211.497	210.049
6525.0	-0.702	211.622	212.324
6550.0	1.233	211.747	210.514
6575.0	0.677	211.872	211.195
6600.0	-0.238	211.997	212.235
6625.0	-0.307	212.122	212.429
6650.0	-1.031	212.247	213.278
6675.0	-1.576	212.332	213.908
6700.0	-1.599	212.417	214.016
6725.0	-1.193	212.502	213.695
6750.0	-0.128	212.587	212.715
6775.0	1.009	212.672	211.663
6800.0	2.347	212.757	210.410
6825.0	2.810	212.842	210.032
6850.0	2.850	212.927	210.077
6875.0	2.852	213.012	210.160
6900.0	2.683	213.097	210.414
6925.0	2.525	213.182	210.657
6950.0	2.631	213.267	210.636
6975.0	2.745	213.352	210.607
7000.0	2.598	213.437	210.839
7025.0	3.262	213.562	210.300
7050.0	3.561	213.687	210.126
7075.0	3.684	213.812	210.128
7100.0	3.709	213.937	210.228
7125.0	2.949	214.062	211.113
7150.0	2.385	214.187	211.822
7175.0	2.211	214.312	212.101
7200.0	1.686	214.437	212.751

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
PT=Point of Tangency
TS=Tangent to Spiral
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कॉरीडोर

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Ministry of Railways

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DETAILED PROJECT REPORT

PALANPUR CONNECTING LINE

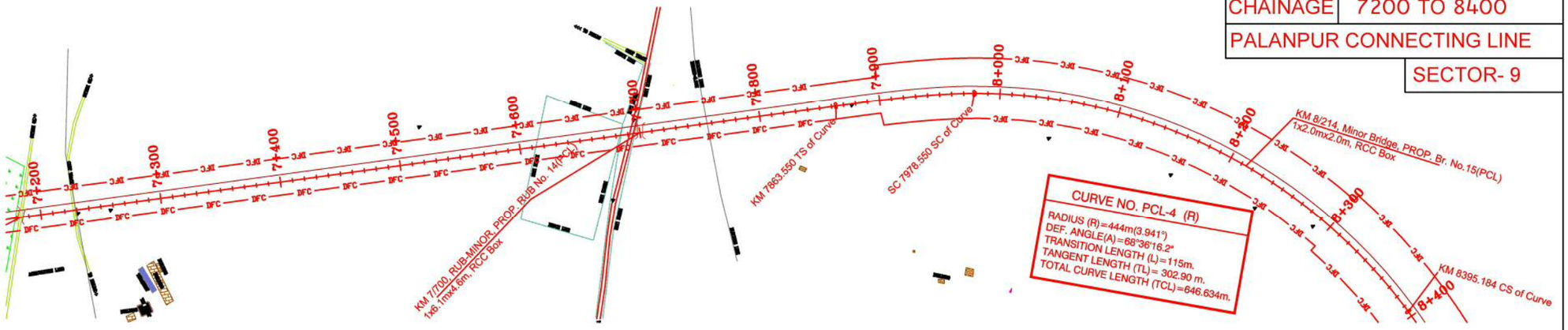
PLAN & PROFILE

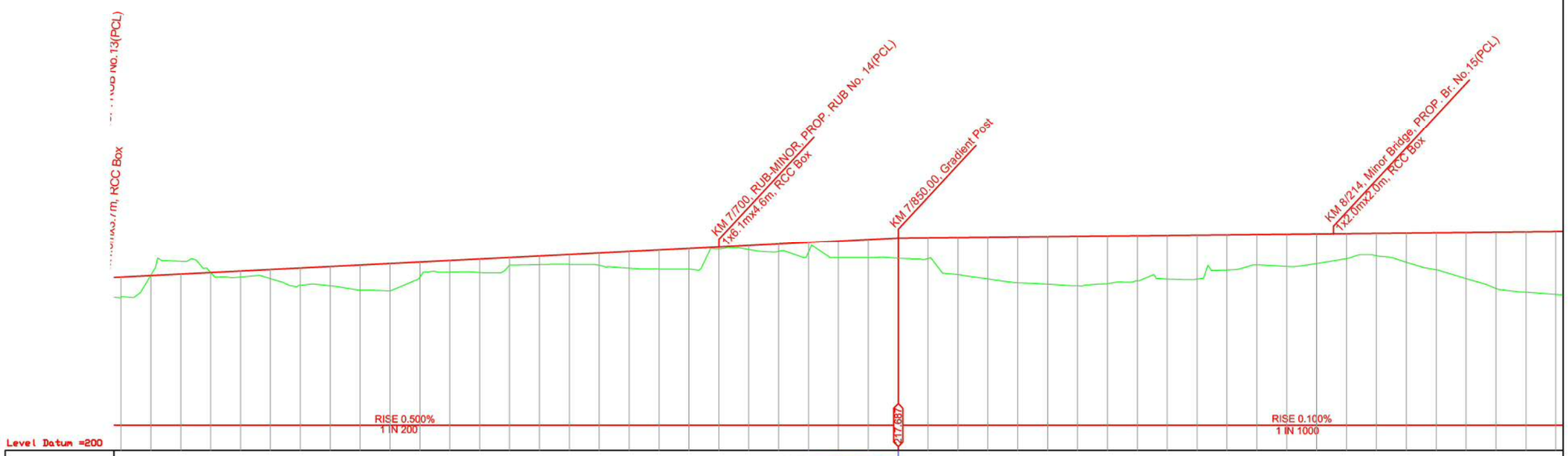
CH: 6000 TO CH: 7200

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/06
SHEET NO:	

CHAINAGE	7200 TO 8400
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-284





Vertical: G=0.500% L=850.0m; G=0.100% L=675.0m

Horizontal: L=891.246m; L=115m; R=444m L=416.634m

Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
7200.0	1.686	214.437	212.751
7225.0	-0.043	214.562	214.605
7250.0	-1.057	214.687	215.744
7275.0	-0.003	214.812	214.815
7300.0	0.503	214.937	214.434
7325.0	0.755	215.062	214.307
7350.0	1.436	215.187	213.751
7375.0	1.598	215.312	213.714
7400.0	2.099	215.437	213.338
7425.0	2.278	215.562	213.284
7450.0	1.234	215.687	214.453
7475.0	0.962	215.812	214.850
7500.0	1.118	215.937	214.819
7525.0	0.642	216.062	215.420
7550.0	0.720	216.187	215.467
7575.0	0.814	216.312	215.498
7600.0	1.023	216.437	215.414
7625.0	1.394	216.562	215.168
7650.0	1.583	216.687	215.104
7675.0	1.726	216.812	215.086
7700.0	0.155	216.937	216.782
7725.0	0.333	217.062	216.729
7750.0	0.616	217.187	216.571
7775.0	0.772	217.312	216.540
7800.0	1.384	217.437	216.053
7825.0	1.505	217.562	216.057
7850.0	1.686	217.687	216.001
7875.0	1.734	217.712	215.978
7900.0	3.095	217.737	214.642
7925.0	3.479	217.762	214.283
7950.0	3.817	217.787	213.970
7975.0	3.969	217.812	213.843
8000.0	4.123	217.837	213.714
8025.0	3.973	217.862	213.889
8050.0	3.768	217.887	214.119
8075.0	3.636	217.912	214.276
8100.0	3.671	217.937	214.266
8125.0	2.939	217.962	215.023
8150.0	2.551	217.987	215.436
8175.0	2.698	218.012	215.314
8200.0	2.476	218.037	215.561
8225.0	2.093	218.062	215.969
8250.0	1.881	218.087	216.206
8275.0	2.453	218.112	215.659
8300.0	3.097	218.137	215.040
8325.0	3.852	218.162	214.310
8350.0	4.696	218.187	213.491
8375.0	5.030	218.212	213.182
8400.0	5.234	218.237	213.003

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
- Proposed DFC
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

PALANPUR CONNECTING LINE

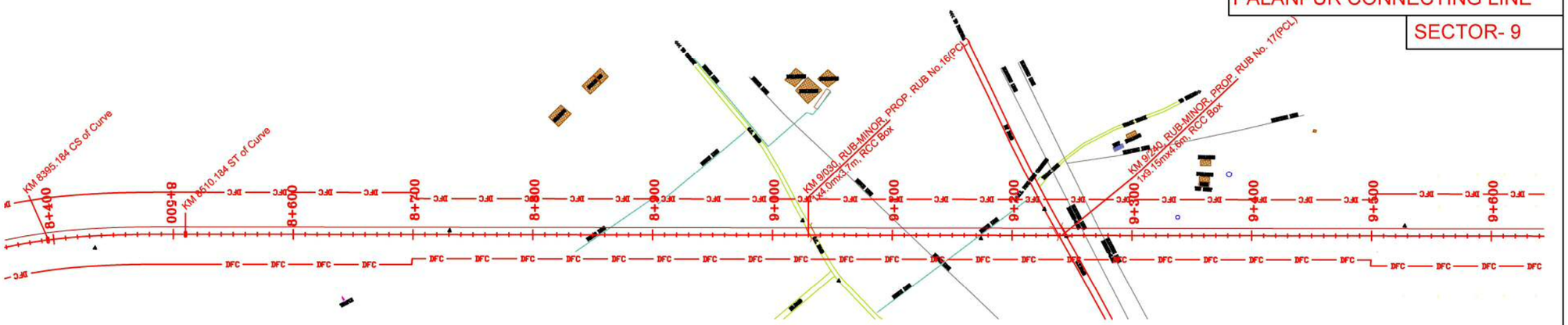
PLAN & PROFILE

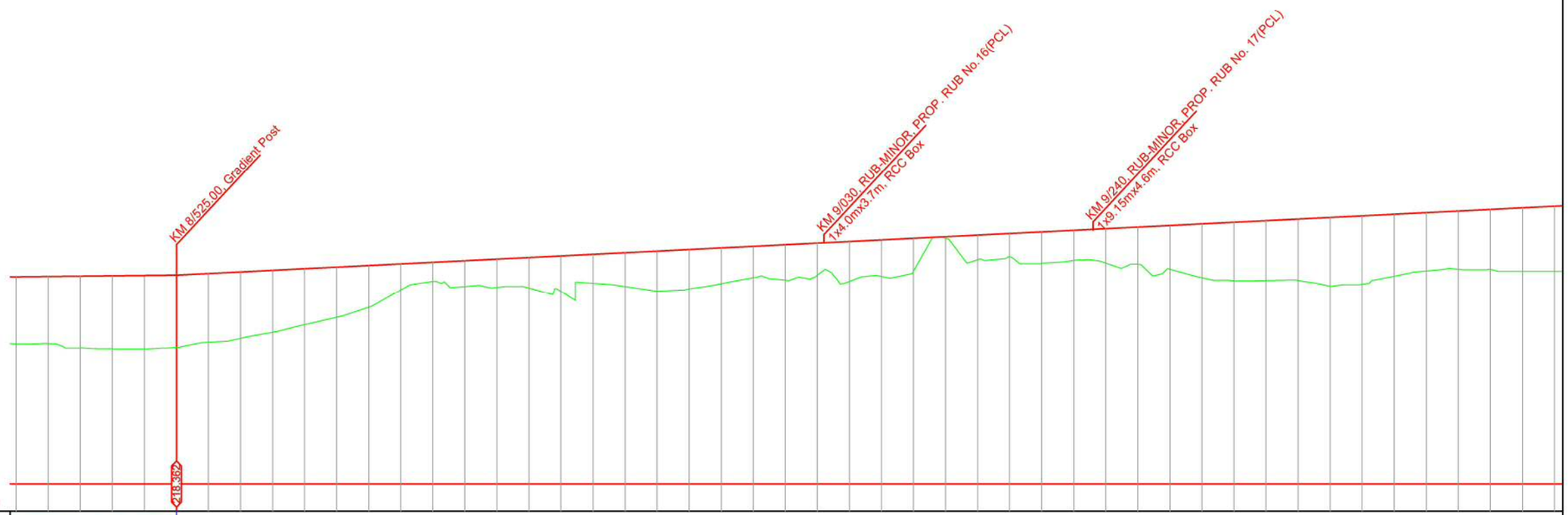
CH: 7200 TO CH: 8400

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/07
SHEET NO:	

CHAINAGE	8400 TO 9600
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-285





Level Datum =200

Vertical

Horizontal: L=115m; L=3033.166m

Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
8400.0	5.234	218.237	213.003
8425.0	5.239	218.262	213.023
8450.0	5.598	218.287	212.689
8475.0	5.693	218.312	212.619
8500.0	5.731	218.337	212.606
8525.0	5.628	218.362	212.734
8550.0	5.350	218.487	213.137
8575.0	5.167	218.612	213.445
8600.0	4.830	218.737	213.907
8625.0	4.352	218.862	214.510
8650.0	3.913	218.987	215.074
8675.0	3.259	219.112	215.853
8700.0	2.036	219.237	217.201
8725.0	1.496	219.362	217.866
8750.0	2.016	219.487	217.471
8775.0	2.206	219.612	217.406
8800.0	2.395	219.737	217.342
8825.0	2.780	219.862	217.082
8850.0	2.262	219.987	217.725
8875.0	2.640	220.112	217.472
8900.0	3.127	220.237	217.110
8925.0	3.087	220.362	217.275
8950.0	2.792	220.487	217.695
8975.0	2.459	220.612	218.153
9000.0	2.765	220.737	217.972
9025.0	2.494	220.862	218.368
9050.0	3.109	220.987	217.878
9075.0	2.842	221.112	218.270
9100.0	2.558	221.237	218.679
9125.0	0.115	221.362	221.247
9150.0	1.919	221.487	219.568
9175.0	1.803	221.612	219.809
9200.0	2.440	221.737	219.297
9225.0	2.350	221.862	219.512
9250.0	2.684	221.987	219.303
9275.0	2.894	222.112	219.218
9300.0	3.416	222.237	218.821
9325.0	4.200	222.362	218.162
9350.0	4.565	222.487	217.922
9375.0	4.670	222.612	217.942
9400.0	4.793	222.737	217.944
9425.0	5.363	222.862	217.499
9450.0	5.337	222.987	217.650
9475.0	4.837	223.112	218.275
9500.0	4.543	223.237	218.694
9525.0	4.546	223.362	218.816
9550.0	4.675	223.487	218.812
9575.0	4.968	223.612	218.644
9600.0	5.093	223.737	218.644

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
PT=Point of Tangency
TS=Tangent to Spiral
SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT
PALANPUR CONNECTING LINE

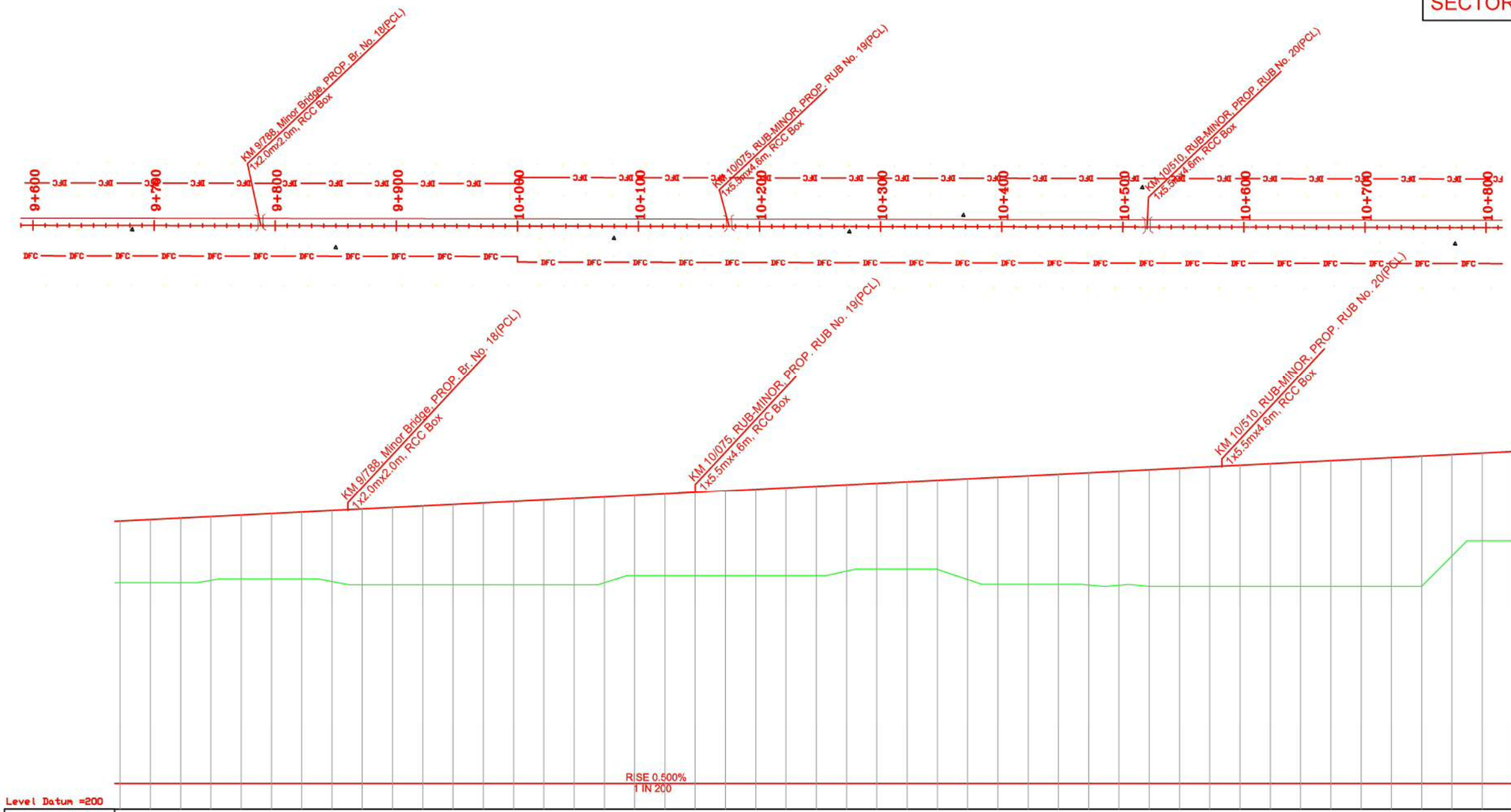
PLAN & PROFILE
CH: 8400 TO CH: 9600

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/08
SHEET NO:	

CHAINAGE	9600 TO 10800
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-286

IN THIS PORTION SURVEY DATA ARE MISSING DUE TO OBJECTION
-
BY LOCAL VILLAGERS



Vertical: G=0.500% L=3000.0m

Horizontal: L=3033.166m

Chainage	Ground levels	Proposed Formation Levels	Cut/Fill
9600.0	218.644	223.737	5.093
9625.0	218.644	223.862	5.218
9650.0	218.644	223.987	5.343
9675.0	218.851	224.112	5.261
9700.0	218.969	224.237	5.268
9725.0	218.969	224.362	5.393
9750.0	218.969	224.487	5.518
9775.0	218.750	224.612	5.862
9800.0	218.484	224.737	6.253
9825.0	218.484	224.862	6.378
9850.0	218.484	224.987	6.503
9875.0	218.484	225.112	6.628
9900.0	218.484	225.237	6.753
9925.0	218.484	225.362	6.878
9950.0	218.484	225.487	7.003
9975.0	218.484	225.612	7.128
10000.0	218.663	225.737	7.074
10025.0	219.251	225.862	6.611
10050.0	219.251	225.987	6.736
10075.0	219.251	226.112	6.861
10100.0	219.251	226.237	6.986
10125.0	219.251	226.362	7.111
10150.0	219.251	226.487	7.236
10175.0	219.251	226.612	7.361
10200.0	219.618	226.737	7.119
10225.0	219.784	226.862	7.078
10250.0	219.784	226.987	7.203
10275.0	219.760	227.112	7.352
10300.0	218.921	227.237	8.316
10325.0	218.517	227.362	8.845
10350.0	218.517	227.487	8.970
10375.0	218.517	227.612	9.095
10400.0	218.467	227.737	9.270
10425.0	218.448	227.862	9.414
10450.0	218.354	227.987	9.633
10475.0	218.345	228.112	9.767
10500.0	218.345	228.237	9.892
10525.0	218.345	228.362	10.017
10550.0	218.345	228.487	10.142
10575.0	218.345	228.612	10.267
10600.0	218.345	228.737	10.392
10625.0	218.345	228.862	10.517
10650.0	218.345	228.987	10.642
10675.0	218.365	229.112	10.747
10700.0	220.862	229.237	8.375
10725.0	222.107	229.362	7.255
10750.0	222.107	229.487	7.380
10775.0	222.087	229.612	7.526
10800.0	221.322	229.737	8.415

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
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PT=Point of Tangency
TS=Tangent to Spiral
SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कॉरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

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DETAILED PROJECT REPORT

PALANPUR CONNECTING LINE

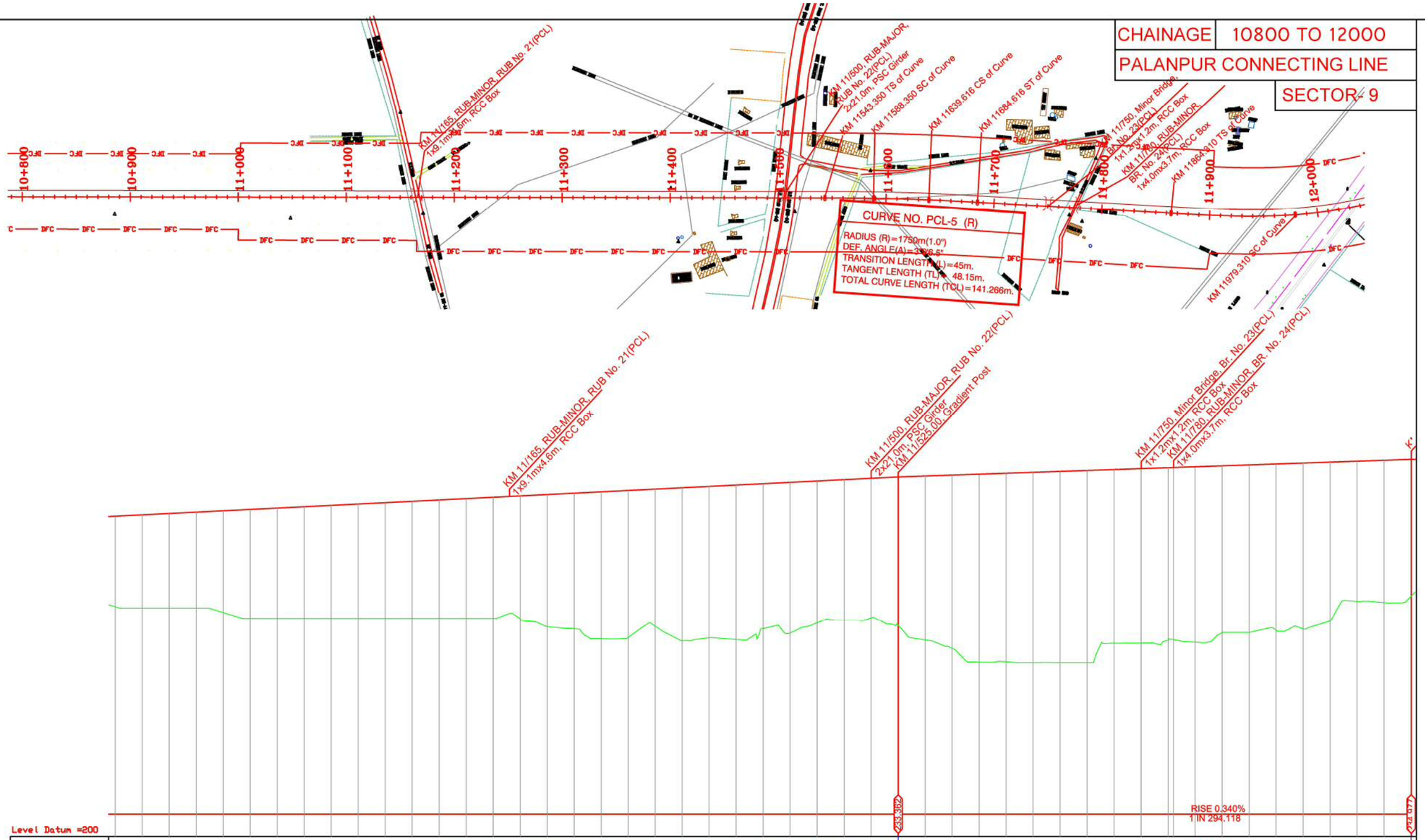
PLAN & PROFILE

CH: 9600 TO CH: 10800

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/09
SHEET NO:	

CHAINAGE	10800 TO 12000
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-287



Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
10800.0	8.415	229.737	221.322
10825.0	8.676	229.862	221.186
10850.0	8.801	229.987	221.186
10875.0	8.926	230.112	221.186
10900.0	9.456	230.237	220.781
10925.0	10.148	230.362	220.214
10950.0	10.273	230.487	220.214
10975.0	10.398	230.612	220.214
11000.0	10.523	230.737	220.214
11025.0	10.648	230.862	220.214
11050.0	10.773	230.987	220.214
11075.0	10.898	231.112	220.214
11100.0	11.023	231.237	220.214
11125.0	11.148	231.362	220.214
11150.0	11.273	231.487	220.214
11175.0	11.435	231.612	220.177
11200.0	12.268	231.737	219.469
11225.0	12.574	231.862	219.288
11250.0	13.633	231.987	218.354
11275.0	13.634	232.112	218.478
11300.0	12.725	232.237	219.512
11325.0	14.195	232.362	218.167
11350.0	14.046	232.487	218.441
11375.0	14.322	232.612	218.290
11400.0	13.437	232.737	219.300
11425.0	13.973	232.862	218.889
11450.0	13.157	232.987	219.830
11475.0	13.060	233.112	220.052
11500.0	12.955	233.237	220.282
11525.0	13.769	233.362	219.593
11550.0	15.204	233.447	218.243
11575.0	16.071	233.532	217.461
11600.0	17.438	233.617	216.179
11625.0	17.498	233.702	216.204
11650.0	17.663	233.787	216.124
11675.0	17.750	233.872	216.122
11700.0	17.838	233.957	216.119
11725.0	16.109	234.042	217.933
11750.0	16.178	234.127	217.949
11775.0	15.993	234.212	218.219
11800.0	16.267	234.297	218.030
11825.0	15.473	234.382	218.909
11850.0	15.529	234.467	218.938
11875.0	15.417	234.552	219.135
11900.0	15.369	234.637	219.268
11925.0	14.720	234.722	220.002
11950.0	12.599	234.807	221.808
11975.0	13.190	234.892	221.702
12000.0	12.881	234.977	222.096

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
PT=Point of Tangency
TS=Tangent to Spiral
SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

Rodic Consultants Pvt. Ltd.
H-78, First Floor,Sector-63,Noida,Uttar Pradesh,201307
Phone:+91-120-4615500, Fax:+91-120-4287707
Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

PALANPUR CONNECTING LINE

PLAN & PROFILE

CH: 10800 TO CH: 12000

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/10
SHEET NO:	

V-2-5-288

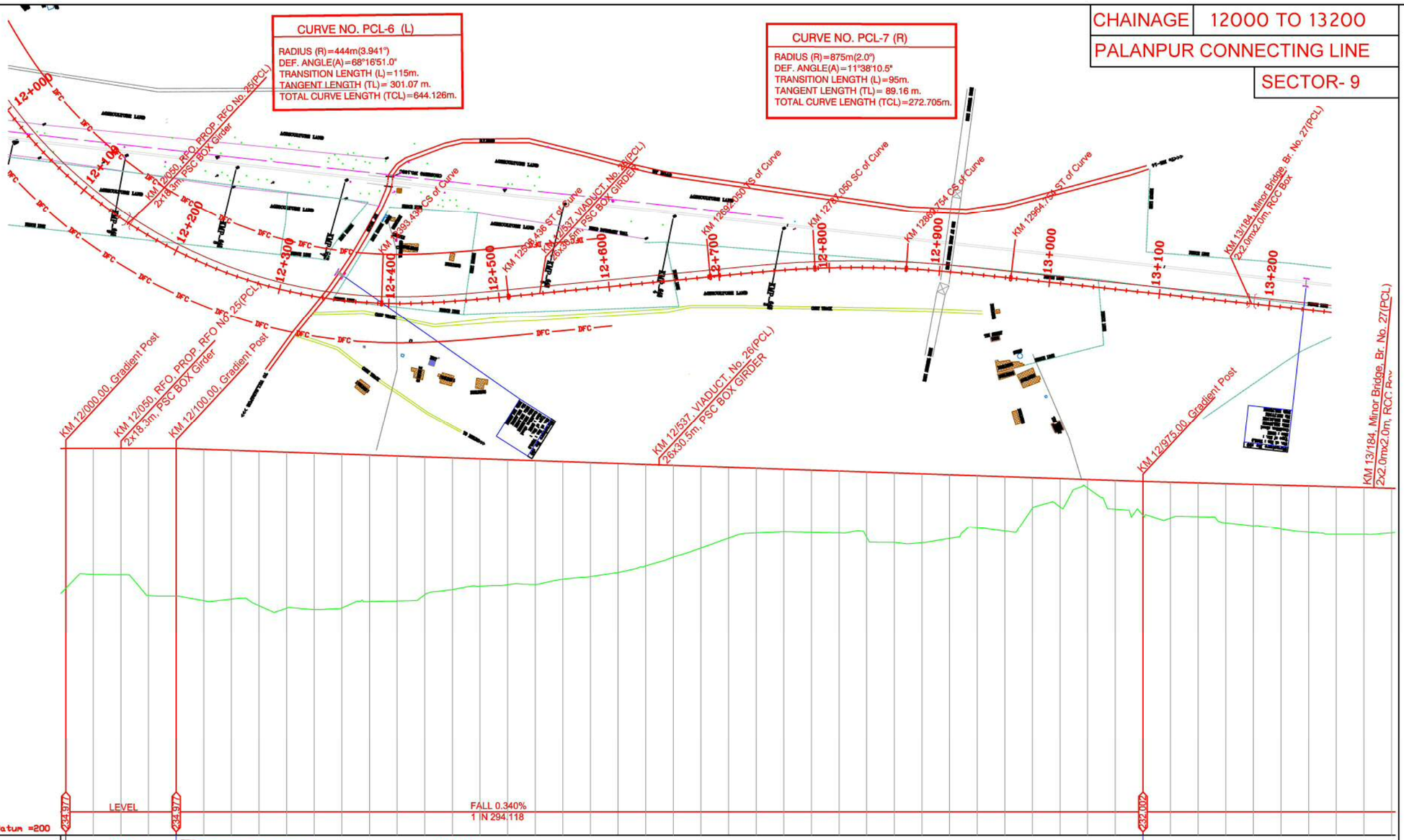
CHAINAGE	12000 TO 13200
PALANPUR CONNECTING LINE	
SECTOR- 9	

CURVE NO. PCL-6 (L)

RADIUS (R)=444m(3.941°)
DEF. ANGLE(A)=68°16'51.0"
TRANSITION LENGTH (L)=115m.
TANGENT LENGTH (TL)= 301.07 m.
TOTAL CURVE LENGTH (TCL)=644.126m.

CURVE NO. PCL-7 (R)

RADIUS (R)=875m(2.0°)
DEF. ANGLE(A)=11°38'10.5"
TRANSITION LENGTH (L)=95m.
TANGENT LENGTH (TL)= 89.16 m.
TOTAL CURVE LENGTH (TCL)=272.705m.



Level Datum =200

Vertical

Chainage	Cut/Fill	Proposed Formation Levels	Ground levels
12000.0	12.661	234.977	222.316
12025.0	11.406	234.977	223.571
12050.0	11.440	234.977	223.537
12075.0	13.324	234.977	221.653
12100.0	13.369	234.977	221.608
12125.0	13.698	234.892	221.194
12150.0	13.471	234.807	221.336
12175.0	13.989	234.722	220.733
12200.0	14.119	234.637	220.518
12225.0	14.166	234.552	220.386
12250.0	13.932	234.467	220.535
12275.0	13.279	234.382	221.103
12300.0	13.128	234.297	221.169
12325.0	12.478	234.212	221.734
12350.0	11.934	234.127	222.193
12375.0	11.549	234.042	222.493
12400.0	11.326	233.957	222.631
12425.0	11.234	233.872	222.638
12450.0	10.664	233.787	223.123
12475.0	10.332	233.702	223.370
12500.0	9.878	233.617	223.739
12525.0	9.191	233.532	224.341
12550.0	8.307	233.447	225.140
12575.0	7.406	233.362	225.956
12600.0	6.422	233.277	226.855
12625.0	5.874	233.192	227.318
12650.0	5.681	233.107	227.426
12675.0	5.643	233.022	227.379
12700.0	5.612	232.937	227.325
12725.0	5.941	232.852	226.911
12750.0	6.306	232.767	226.461
12775.0	6.244	232.682	226.438
12800.0	5.769	232.597	226.828
12825.0	4.726	232.512	227.786
12850.0	4.932	232.427	227.495
12875.0	2.747	232.342	229.595
12900.0	2.573	232.257	229.684
12925.0	0.773	232.172	231.399
12950.0	2.615	232.087	229.472
12975.0	3.095	232.002	228.907
13000.0	3.262	231.933	228.671
13025.0	3.066	231.864	228.798
13050.0	3.556	231.795	228.239
13075.0	3.761	231.727	227.966
13100.0	3.984	231.658	227.674
13125.0	4.201	231.589	227.388
13150.0	4.384	231.520	227.136
13175.0	4.280	231.451	227.171
13200.0	4.054	231.382	227.328

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
PT=Point of Tangency
TS=Tangent to Spiral
SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कॉरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

Rodic Consultants Pvt. Ltd.
H-78, First Floor,Sector-63,Noida,Uttar Pradesh,201307
Phone:+91-120-4615500, Fax:+91-120-4287707
Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

PALANPUR CONNECTING LINE

PLAN & PROFILE

CH: 12000 TO CH: 13200

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/11
SHEET NO:	

CHAINAGE	13200 TO 13700
PALANPUR CONNECTING LINE	
SECTOR- 9	

V-2-5-289

Vertical	G=-0.2755% L=628.0m
Horizontal	L=735.246m

Chainage	Ground levels	Cut/Fill	Proposed Formation Levels
13200.0	227.328	4.054	231.382
13225.0	227.544	3.769	231.313
13250.0	227.580	3.664	231.244
13275.0	227.599	3.577	231.176
13300.0	227.777	3.330	231.107
13325.0	227.967	3.071	231.038
13350.0	227.902	3.067	230.969
13375.0	228.558	2.342	230.900
13400.0	228.722	2.109	230.831
13425.0	228.928	1.834	230.762
13450.0	228.588	2.104	230.693
13475.0	228.913	1.712	230.625
13500.0	228.934	1.622	230.556
13525.0	229.090	1.397	230.487
13550.0	228.193	2.225	230.418
13575.0	227.961	2.388	230.349
13600.0	228.394	1.886	230.280
13603.0			230.272
13625.0	228.891		
13650.0	229.080		
13675.0	228.338		
13700.0	228.176		

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
Cart Track
BT Road
PC=Point of Curvature
PT=Point of Tangency
TS=Tangent to Spiral
SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

Construction of Freight Corridor from Kalol at Km 759 to Palanpur at Km 652 and connection with existing detour alignment km 112+120 at Wamaj village on western Dedicated Freight Corridor (Total Length-116+950km)

Rodic Consultants Pvt. Ltd.
H-78, First Floor,Sector-63,Noida,Uttar Pradesh,201307
Phone:+91-120-4615500, Fax:+91-120-4287707
Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

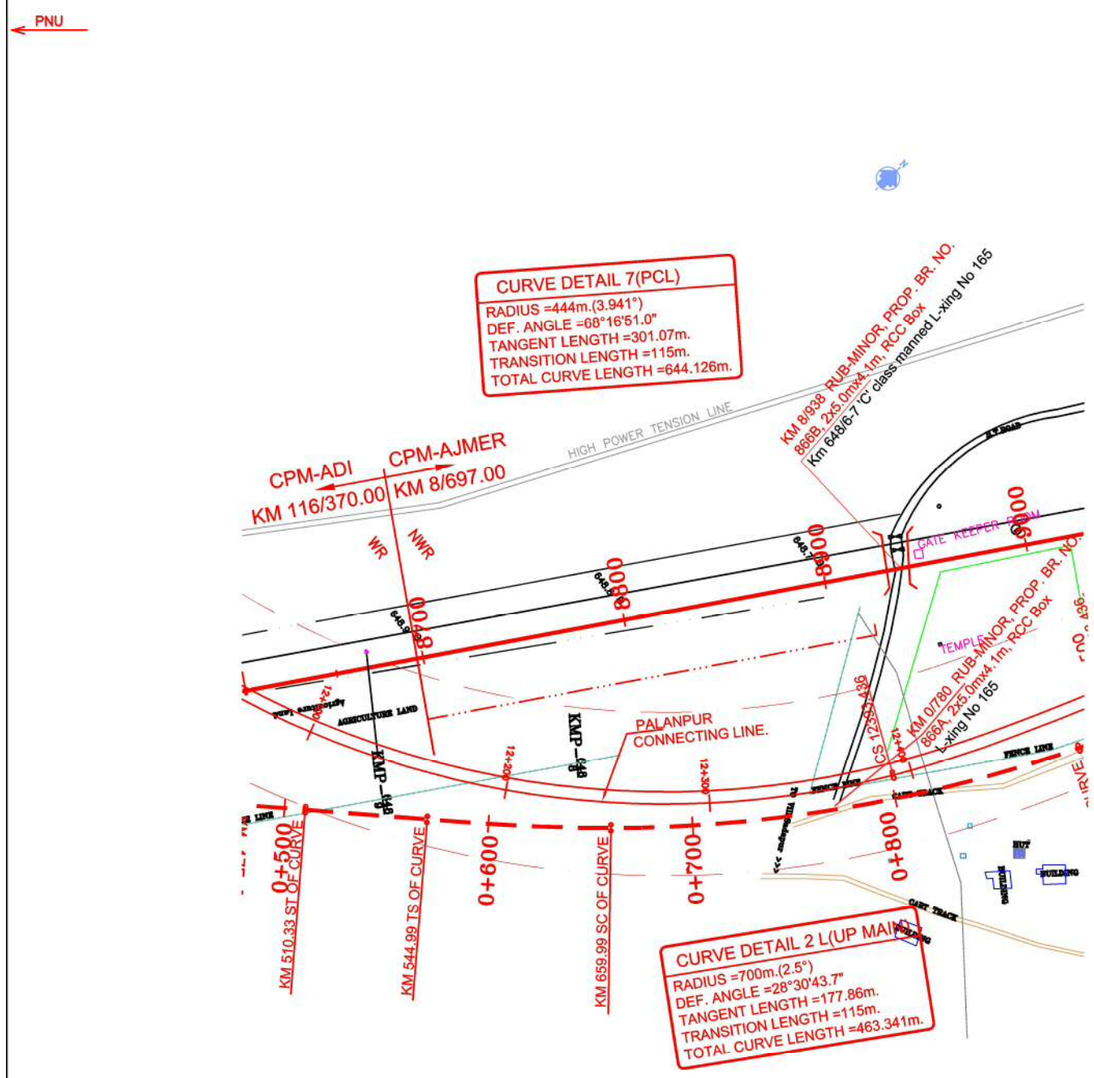
PALANPUR CONNECTING LINE

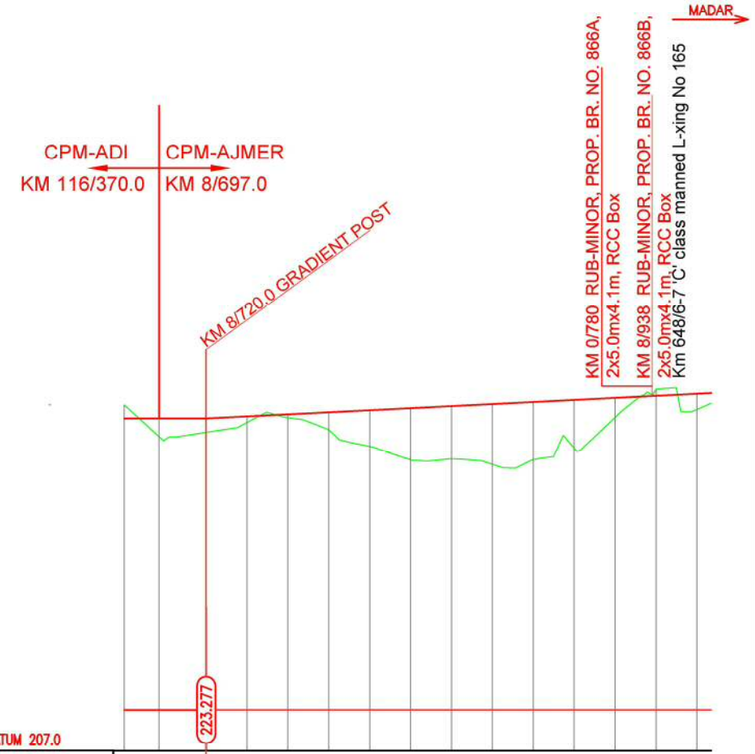
PLAN & PROFILE

CH: 13200 TO CH: 13700

SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	DFCC/PCL/NKC/12
SHEET NO:	

Chainage	8680 TO 8960	
Sector	9	





VERTICAL ALIGNMENT	LEVEL																	
HORIZONTAL GEOMETRY																		
Dist. Between Exis, Main Track & Prop Adjacent Track of DFC	13.465	13.378	13.306	13.234	13.162	13.089	13.017	12.943	12.870	12.796	12.722	12.649	12.583	12.518	12.452
FILL (+)/ CUT (-)	0.696	0.587	0.686	0.301	0.170	0.868	1.782	2.535	2.591	2.957	2.834	2.359	0.947	-0.319	0.764
PROPOSED FORMATION LEVEL (m)	223.277	223.277	223.277	223.377	223.477	223.577	223.677	223.777	223.877	223.977	224.077	224.177	224.277	224.377	224.477
EXISTING FORMATION LEVEL (m)	222.581	222.690	222.829	222.968	223.012	223.056	223.257	223.374	223.496	223.589	223.745	223.858	224.040	224.207	224.374
GROUND LEVEL (m)	223.929	222.243	222.591	223.076	223.307	222.709	221.895	221.242	221.286	221.020	221.243	221.818	223.330	224.696	223.773
CHAINAGE (m)	8680.0	8700.0	8720.0	8740.0	8760.0	8780.0	8800.0	8820.0	8840.0	8860.0	8880.0	8900.0	8920.0	8940.0	8960.0

NOTES :-
1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. NORTH DEPICTED IN DRAWINGS HAS BEEN OBSERVED USING PRISMATIC COMPASS.
3. PROFILE HAS BEEN DEPICTED BASED ON SURVEY OF INDIA'S GTS BENKM MARKS AVAILABLE AT VARIOUS LOCATIONS.
4. TRACK CENTER BETWEEN TWO TRACKS OF DFC HAS BEEN KEPT AS 6M.
5. OFC, ELECTRIC CABLES & OTHER UTILITIES FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
6. PROPOSED DFC TRACK SHOWN IN RED COLOUR (CONTINUOUS) HAS BEEN DESIGNED.
7. PROPOSED DFC TRACK SHOWN IN RED COLOUR (DASHED) HAS BEEN MARKED AT AN OFFSET OF 6M FROM DESIGNED TRACK

LEGEND

	BUILDINGS, HOUSE
	EXISTING TRACK
	PROP. DFCCIL TRACK
	PROPOSED ROW
	EXISTING ROW
	FENCING
	EXISTING K.M. STONE
	EXISTING BRIDGE
	TELEPHONE POST
	DRAIN
	BOUNDARY WALL
	PROP. BRIDGE
	WELL
	ELECTRICAL POST
	LAMP POST
	INDICATION BOARD
	OFC
	HECTA POST
	HAND PUMP

APPROVED

DESIGNATION	NAME & SIGNATURE OF OFFICER
CPM DFCC AJMER	
Dy. CPM DFCC AJMER	
APM DFCC AJMER	

PROJECT: MADAR TO PALANPUR WESTERN CORRIDOR

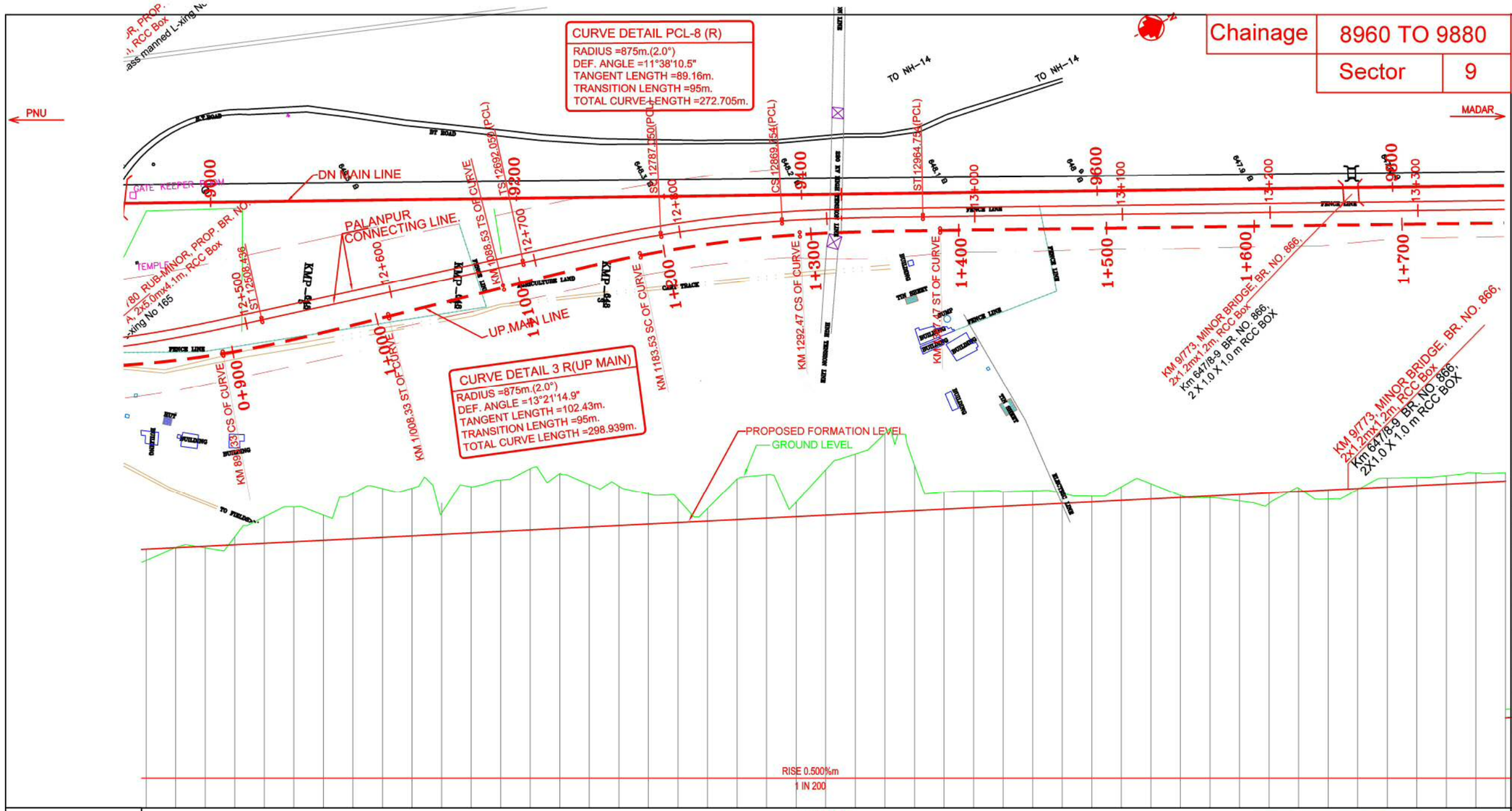
CLIENT: Dedicated Freight Corridor Corporation of India Ltd.

TITLE: DETAIL PLAN & PROFILE SECTION -9 (CH.- 8/040.0 TO CH.- 8/960.0)

PREPARED BY :-
DOLPHIN CONSTRUCTION COMPANY
"Pioneer Bhawan" Road No.5 Nagpura BSF Mandore, JODHPUR (RAJ) 342 028
M.NO. +91 9828392291, +91 9001091188

DRG.NO:- DLPH/MADAR-PALANPUR/ PLAN-PROFILE

SCALE (1:2000(H),1:200(V))	DATE: MARCH, 2011	REV. No.
PROJECT NO.		
DESIGN BY:- K.S.PARIHAR	CHECKED BY:- K.S.PARIHAR	
DRAWN BY:- VINDERA	APPROVED BY:-	



NOTES :-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. NORTH DEPICTED IN DRAWINGS HAS BEEN OBSERVED USING PRISMATIC COMPASS.
3. PROFILE HAS BEEN DEPICTED BASED ON SURVEY OF INDIA'S GTS BENKM MARKS AVAILABLE AT VARIOUS LOCATIONS.
4. TRACK CENTER BETWEEN TWO TRACKS OF DFC HAS BEEN KEPT AS 6M.
5. OFC, ELECTRIC CABLES & OTHER UTILITIES FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
6. PROPOSED DFC TRACK SHOWN IN RED COLOUR (CONTINUOUS) HAS BEEN DESIGNED.
7. PROPOSED DFC TRACK SHOWN IN RED COLOUR (DASHED) HAS BEEN MARKED AT AN OFFSET OF 6M FROM DESIGNED TRACK

LEGEND

	BUILDINGS, HOUSE
	EXISTING TRACK
	PROP. DFCCIL TRACK
	PROPOSED ROW
	EXISTING ROW
	FENCING
	EXISTING K.M. STONE
	EXISTING BRIDGE
	TELEPHONE POST
	DRAIN
	BOUNDARY WALL
	PROP. BRIDGE
	WELL
	ELECTRICAL POST
	LAMP POST
	INDICATION BOARD
	OFC
	HECTA POST
	HAND PUMP

VERTICAL ALIGNMENT	L = 1400.0 m G= 0.500%
HORIZONTAL GEOMETRY	L= 1512.0

CHAINAGE (m)	Dist. Between Exis, Main Track & Prop Adjacent Track of DFC	FILL (+)/ CUT (-)	PROPOSED FORMATION LEVEL (m)	EXISTING FORMATION LEVEL (m)	GROUND LEVEL (m)
8960.0	12.452	0.704	224.411	224.314	223.713
8980.0	12.386	0.00	224.577	224.541	224.577
9000.0	12.320	0.119	224.677	224.648	224.558
9020.0	12.255	-0.534	224.777	224.834	225.311
9040.0	12.189	-1.778	224.877	224.941	226.655
9060.0	12.123	-2.364	224.977	225.048	227.341
9080.0	12.057	-1.698	225.077	225.217	226.775
9100.0	11.992	-3.077	225.177	225.258	228.254
9120.0	11.927	-3.291	225.277	225.393	228.568
9140.0	11.862	-3.217	225.377	225.559	228.594
9160.0	11.797	-1.443	225.477	225.672	226.920
9180.0	11.732	-3.116	225.577	225.845	228.693
9200.0	11.667	-3.479	225.677	226.03	229.156
9220.0	11.602	-4.142	225.777	226.146	229.919
9240.0	11.537	-3.717	225.877	226.289	229.594
9260.0	11.472	-2.867	225.977	226.384	228.844
9280.0	11.408	-2.663	226.077	226.528	228.740
9300.0	11.341	-2.036	226.177	226.666	228.213
9320.0	11.269	-1.591	226.277	226.791	227.868
9340.0	11.196	-0.856	226.377	226.905	227.233
9360.0	11.124	-2.751	226.477	227.029	229.228
9380.0	11.051	-2.936	226.577	227.152	229.513
9400.0	10.977	-0.981	226.677	227.343	227.658
9420.0	10.897	-3.067	226.777	227.449	229.844
9440.0	10.817	-4.038	226.877	227.555	230.915
9460.0	10.737	-5.343	226.977	227.781	232.320
9480.0	10.657	-3.051	227.077	227.937	230.128
9500.0	10.578	-1.137	227.177	228.013	228.314
9520.0	10.504	-1.122	227.277	228.089	228.399
9540.0	10.430	-0.970	227.377	228.135	228.347
9560.0	10.355	-0.943	227.477	228.304	228.420
9580.0	10.281	-0.673	227.577	228.476	228.250
9600.0	10.218	-0.397	227.677	228.654	228.074
9620.0	10.162	-0.918	227.777	228.739	228.695
9640.0	10.106	-1.021	227.877	228.825	228.898
9660.0	10.050	-0.136	227.977	228.961	228.113
9680.0	9.994	0.097	228.077	229.078	227.980
9700.0	9.938	0.437	228.177	229.078	227.740
9720.0	9.885	0.700	228.277	229.301	227.577
9740.0	9.833	-0.229	228.377	229.406	228.606
9760.0	9.780	0.608	228.477	229.512	227.869
9780.0	9.728	0.071	228.577	229.583	228.506
9800.0	9.675	-0.614	228.677	229.795	229.291
9820.0	9.626	-0.550	228.777	229.896	229.327
9840.0	9.577	-0.579	228.877	229.997	229.456
9860.0	9.528	-0.665	228.977	230.160	229.642
9880.0	9.479	-0.576	229.077	230.264	229.656

APPROVED

DESIGNATION	SIGNATURE WITH OFFICIAL SEAL
CPM DFCC AJMER	
Dy. CPM DFCC AJMER	
APM DFCC AJMER	

PROJECT: MADAR TO PALANPUR WESTERN CORRIDOR

CLIENT: Dedicated Freight Corridor Corporation of India Ltd.

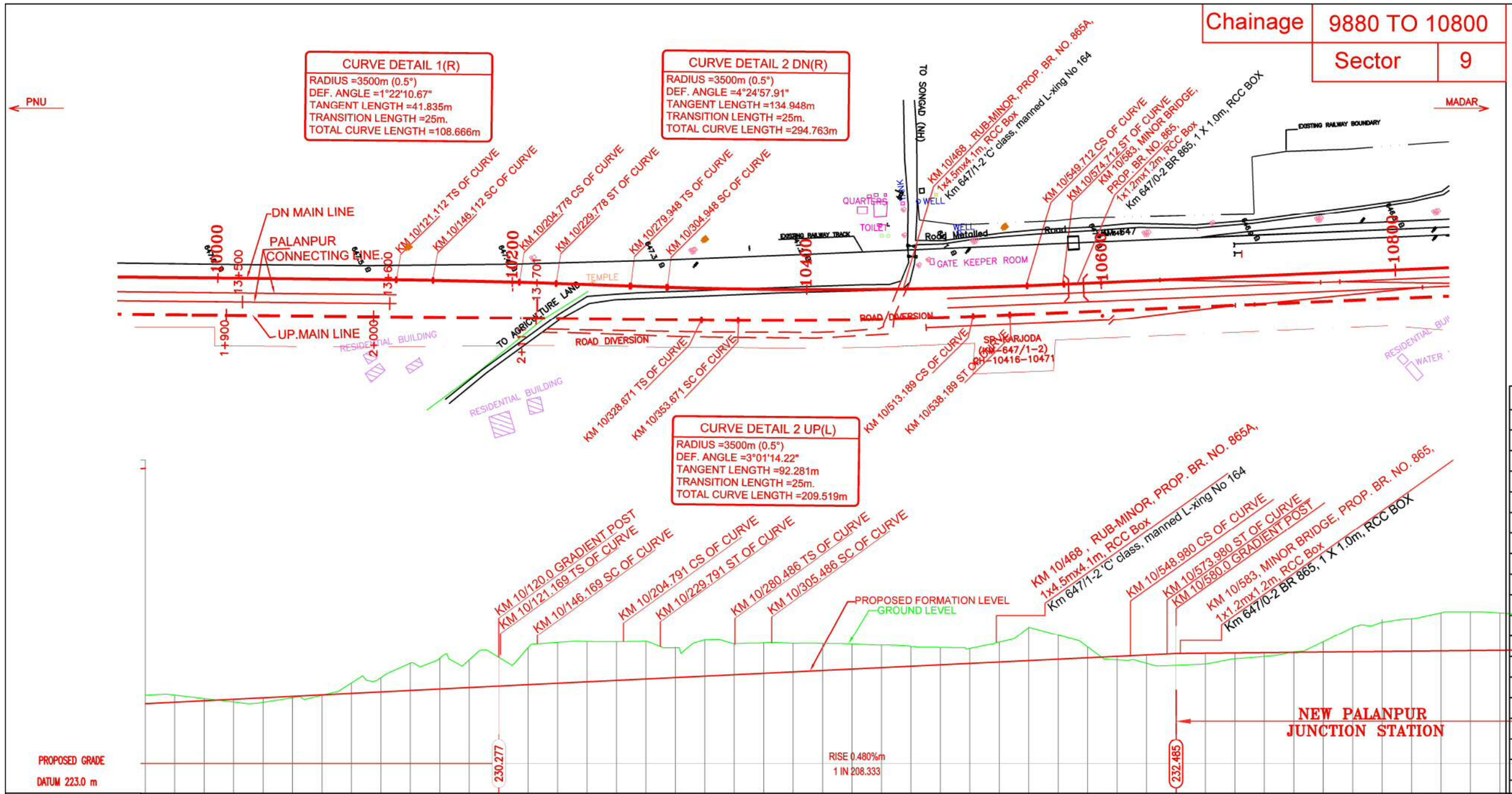
TITLE: DETAIL PLAN & PROFILE SECTION -9 (CH.- 8/960.0 TO CH.- 9/880.0)

PREPARED BY :-
DOLPHIN CONSTRUCTION COMPANY
"Pawan Dham" Road No.2 Nagaura BIP Mandore, JODHPUR (RAJ.) 342 020
M.NO. +91 9828368291, +91 9001891198

DRG.NO:- DLPN/MADAR-PALANPUR/ PLAN-PROFILE

SCALE 1:2000(H),1:200(V)	DATE: MARCH, 2011	REV. No.
PROJECT NO.		
DESIGN BY:- K.S.PARMAR	CHECKED BY:- K.S.PARMAR	
DRAWN BY:- VIRENDRA	APPROVED BY:-	

Chainage	9880 TO 10800	
Sector	9	



NOTES :-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. NORTH DEPICTED IN DRAWINGS HAS BEEN OBSERVED USING PRISMATIC COMPASS.
3. PROFILE HAS BEEN DEPICTED BASED ON SURVEY OF INDIA'S GTS BENKM MARKS AVAILABLE AT VARIOUS LOCATIONS.
4. TRACK CENTER BETWEEN TWO TRACKS OF DFC HAS BEEN KEPT AS 6M.
5. OFC, ELECTRIC CABLES & OTHER UTILITIES FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
6. PROPOSED DFC TRACK SHOWN IN RED COLOUR (CONTINUOUS) HAS BEEN DESIGNED.
7. PROPOSED DFC TRACK SHOWN IN RED COLOUR (DASHED) HAS BEEN MARKED AT AN OFFSET OF 6M FROM DESIGNED TRACK

LEGEND

	BUILDINGS, HOUSE
	EXISTING TRACK
	PROP. DFCCIL TRACK
	PROPOSED ROW
	EXISTING ROW
	FENCING
	EXISTING K.M. STONE
	EXISTING BRIDGE
	TELEPHONE POST
	DRAIN
	BOUNDARY WALL
	PROP. BRIDGE
	WELL
	ELECTRICAL POST
	LAMP POST
	INDICATION BOARD
	OFC
	HECTA POST
	HAND PUMP

APPROVED

DESIGNATION	NAME, SIGNATURE, DATE
GM DFCC AMRIT	
Dy. GM DFCC AMRIT	
AM DFCC AMRIT	

PROJECT: MADAR TO PALANPUR WESTERN CORRIDOR

CLIENT: Dedicated Freight Corridor Corporation of India Ltd.

TITLE: DETAIL PLAN & PROFILE SECTION –9 (CH.– 9/900.0 TO CH.– 10/800.0)

PREPARED BY :-
DOLPHIN CONSTRUCTION COMPANY
"Panwar Bhawan" Road No.2 Nagapura BSF Mandore, JODHPUR (RAJ) 342 026
M.NO. +91 9828308291, +91 9001891168

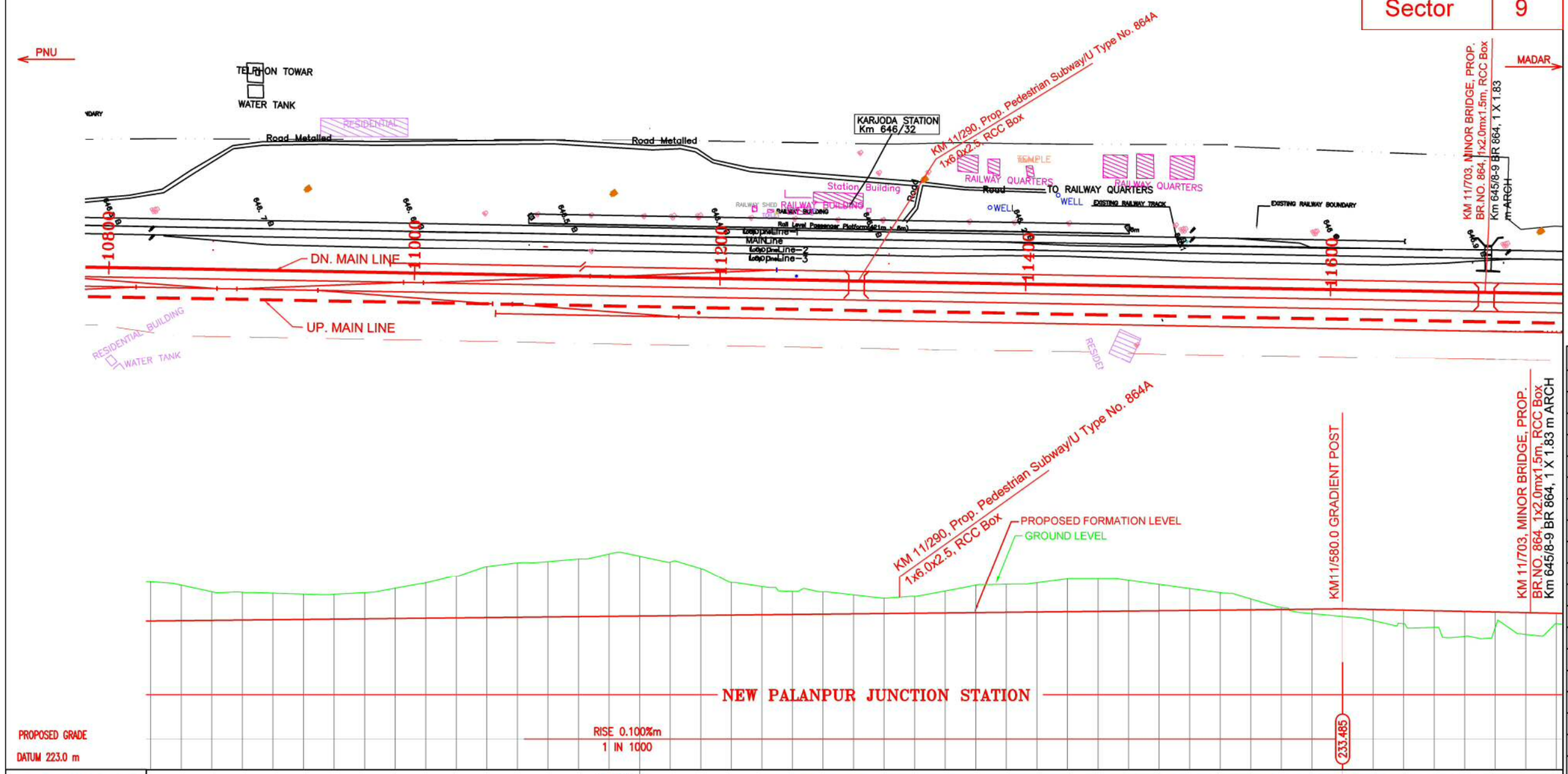
DRG.NO:– DLPH/MADAR–PALANPUR/ PLAN–PROFILE

SCALE (1:2000(H),1:200(V))	DATE: MARCH, 2011	REV. No.
PROJECT NO.		
DESIGN BY:– K.S.PANWAR	CHECKED BY:– K.S.PANWAR	
DRAWN BY:– VIRENDRA	APPROVED BY:–	

Dist. Between Exis, Main Track & Prop Adjacent Track of DFC	FILL (+)/ CUT (–)	PROPOSED FORMATION LEVEL (m)	EXISTING FORMATION LEVEL (m)	GROUND LEVEL (m)	CHAINAGE (m)
9.479	-0.579	229.077	230.294	229.898	9880.0
9.430	-0.486	229.177	230.369	229.683	9900.0
9.387	-0.154	229.277	230.473	229.431	9920.0
9.344	0.179	229.377	230.578	229.198	9940.0
9.300	0.304	229.477	230.796	229.173	9960.0
9.257	0.096	229.577	230.956	229.481	9980.0
9.214	0.025	229.677	231.133	229.652	10000.0
9.243	-0.711	229.777	231.310	230.488	10020.0
9.275	-0.975	229.877	231.442	230.852	10040.0
9.308	-1.858	229.977	231.570	231.835	10060.0
9.340	-2.083	230.077	231.663	232.160	10080.0
9.373	-1.882	230.177	231.794	232.059	10100.0
9.764	-1.948	230.277	231.883	232.225	10120.0
10.176	-2.513	230.373	231.988	232.886	10140.0
10.672	-2.768	230.469	232.147	233.237	10160.0
11.281	-2.735	230.565	232.294	233.300	10180.0
12.05	-2.627	230.661	232.442	233.288	10200.0
13.187	-2.551	230.757	232.586	233.308	10220.0
14.420	-2.021	230.853	232.708	232.874	10240.0
15.653	-2.467	230.949	232.797	233.416	10260.0
16.887	-2.112	231.045	232.912	233.157	10280.0
18.109	-2.064	231.141	233.018	233.205	10300.0
19.476	-1.945	231.237	233.135	233.182	10320.0
20.739	-1.840	231.333	233.256	233.173	10340.0
21.888	-1.697	231.429	233.369	233.126	10360.0
22.923	-1.543	231.525	233.503	233.068	10380.0
23.844	-1.327	231.621	233.602	232.948	10400.0
24.700	-1.183	231.717	233.711	232.900	10420.0
25.445	-1.020	231.813	233.711	232.833	10440.0
26.075	-1.355	231.909	233.784	233.264	10460.0
26.591	-2.266	232.05	233.857	234.271	10480.0
26.992	-1.634	232.101	233.902	233.735	10500.0
27.279	-0.738	232.197	233.948	232.935	10520.0
27.453	0.228	232.293	233.994	232.065	10540.0
27.513	0.569	232.389	234.065	231.820	10560.0
27.509	0.794	232.485	234.143	231.691	10580.0
27.503	0.724	232.505	234.218	231.781	10600.0
27.510	0.393	232.525	234.372	232.132	10620.0
27.516	0.256	232.545	234.527	232.299	10640.0
27.522	-0.037	232.565	234.627	232.602	10660.0
27.528	-0.712	232.585	234.606	233.297	10680.0
27.535	-1.660	232.605	234.586	234.265	10700.0
27.530	-1.980	232.625	234.745	234.605	10720.0
27.521	-2.216	232.645	234.761	234.861	10740.0
27.512	-2.596	232.665	234.839	235.261	10760.0
27.503	-2.637	232.685	234.881	235.322	10780.0
27.494	-2.546	232.705	234.924	235.251	10800.0

V-2-5-293

Chainage	10800 TO 11740
Sector	9



CHAINAGE (m)	Dist. Between Exis, Main Track & Prop Adjacent Track of DFC	FILL (+)/ CUT (-)	PROPOSED FORMATION LEVEL (m)	EXISTING FORMATION LEVEL (m)	GROUND LEVEL (m)
10800.0	27.494	-2.940	232.705	234.924	235.231
10820.0	27.497	-2.303	232.725	234.970	235.028
10840.0	27.503	-1.858	232.745	235.016	234.603
10860.0	27.510	-1.794	232.765	235.023	234.559
10880.0	27.516	-1.725	232.785	235.030	234.510
10900.0	27.522	-1.644	232.805	235.058	234.449
10920.0	27.543	-1.618	232.825	235.087	234.443
10940.0	27.567	-1.700	232.845	235.104	234.545
10960.0	27.591	-1.969	232.865	235.121	234.834
10980.0	27.615	-2.297	232.885	235.121	235.182
11000.0	27.639	-2.707	232.905	235.121	235.612
11020.0	27.645	-3.332	232.925	235.122	236.257
11040.0	27.649	-3.547	232.945	235.106	236.492
11060.0	27.654	-3.623	232.965	235.090	236.588
11080.0	27.658	-3.772	232.985	235.044	236.757
11100.0	27.662	-4.071	233.05	234.998	237.076
11120.0	27.674	-3.902	233.025	234.953	236.927
11140.0	27.687	-3.508	233.045	234.886	236.553
11160.0	27.700	-3.063	233.065	234.820	236.128
11180.0	27.713	-2.130	233.085	234.766	235.215
11200.0	27.726	-1.844	233.105	234.713	234.949
11220.0	27.742	-1.507	233.125	234.659	234.632
11240.0	27.758	-1.458	233.145	234.606	234.603
11260.0	27.775	-1.236	233.165	234.553	234.401
11280.0	27.791	-1.03	233.185	234.486	234.188
11300.0	27.808	-1.100	233.205	234.419	234.305
11320.0	27.818	-1.431	233.225	234.370	234.656
11340.0	27.829	-1.786	233.245	234.322	235.031
11360.0	27.839	-1.826	233.265	234.274	235.091
11380.0	27.850	-1.906	233.285	234.226	235.191
11400.0	27.860	-2.145	233.305	234.174	235.450
11420.0	27.866	-2.132	233.325	234.123	235.457
11440.0	27.871	-2.010	233.345	234.093	235.355
11460.0	27.876	-1.721	233.365	234.063	235.086
11480.0	27.881	-1.433	233.385	234.034	234.818
11500.0	27.887	-1.144	233.405	233.968	234.549
11520.0	27.912	-0.706	233.425	233.902	234.131
11540.0	27.938	-0.144	233.445	233.825	233.589
11560.0	27.964	0.287	233.465	233.802	233.178
11580.0	27.991	0.491	233.485	233.779	232.994
11600.0	28.017	0.715	233.445	233.750	232.730
11620.0	28.025	0.874	233.405	233.722	232.531
11640.0	28.031	1.075	233.365	233.694	232.290
11660.0	28.038	1.623	233.325	233.559	231.702
11680.0	28.021	0.985	233.285	233.424	232.300
11700.0	27.906	1.417	233.245	233.395	231.828
11720.0	27.683	0.673	233.205	233.367	232.532

NOTES :-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. NORTH DEPICTED IN DRAWINGS HAS BEEN OBSERVED USING PRISMATIC COMPASS.
3. PROFILE HAS BEEN DEPICTED BASED ON SURVEY OF INDIA'S GTS BENKM MARKS AVAILABLE AT VARIOUS LOCATIONS.
4. TRACK CENTER BETWEEN TWO TRACKS OF DFC HAS BEEN KEPT AS 6M.
5. OFC, ELECTRIC CABLES & OTHER UTILITIES FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
6. PROPOSED DFC TRACK SHOWN IN RED COLOUR (CONTINUOUS) HAS BEEN DESIGNED.
7. PROPOSED DFC TRACK SHOWN IN RED COLOUR (DASHED) HAS BEEN MARKED AT AN OFFSET OF 6M FROM DESIGNED TRACK

LEGEND

- BUILDINGS, HOUSE
- EXISTING TRACK
- PROP. DFCCIL TRACK
- PROPOSED ROW
- EXISTING ROW
- FENCING
- EXISTING K.M. STONE
- EXISTING BRIDGE
- TELEPHONE POST
- DRAIN
- BOUNDARY WALL
- PROP. BRIDGE
- WELL
- ELECTRICAL POST
- LAMP POST
- INDICATION BOARD
- OFC
- HECTA POST
- HAND PUMP

APPROVED

DESIGNATION	DETAILS OF APPROVING OFFICIALS
CPM DFCC AJMER	
Dy. CPM DFCC AJMER	
APM DFCC AJMER	

PROJECT: MADAR TO PALANPUR WESTERN CORRIDOR

CLIENT: Dedicated Freight Corridor Corporation of India Ltd.

TITLE: DETAIL PLAN & PROFILE SECTION -9 (CH.- 10/820.0 TO CH.- 11/740.0)

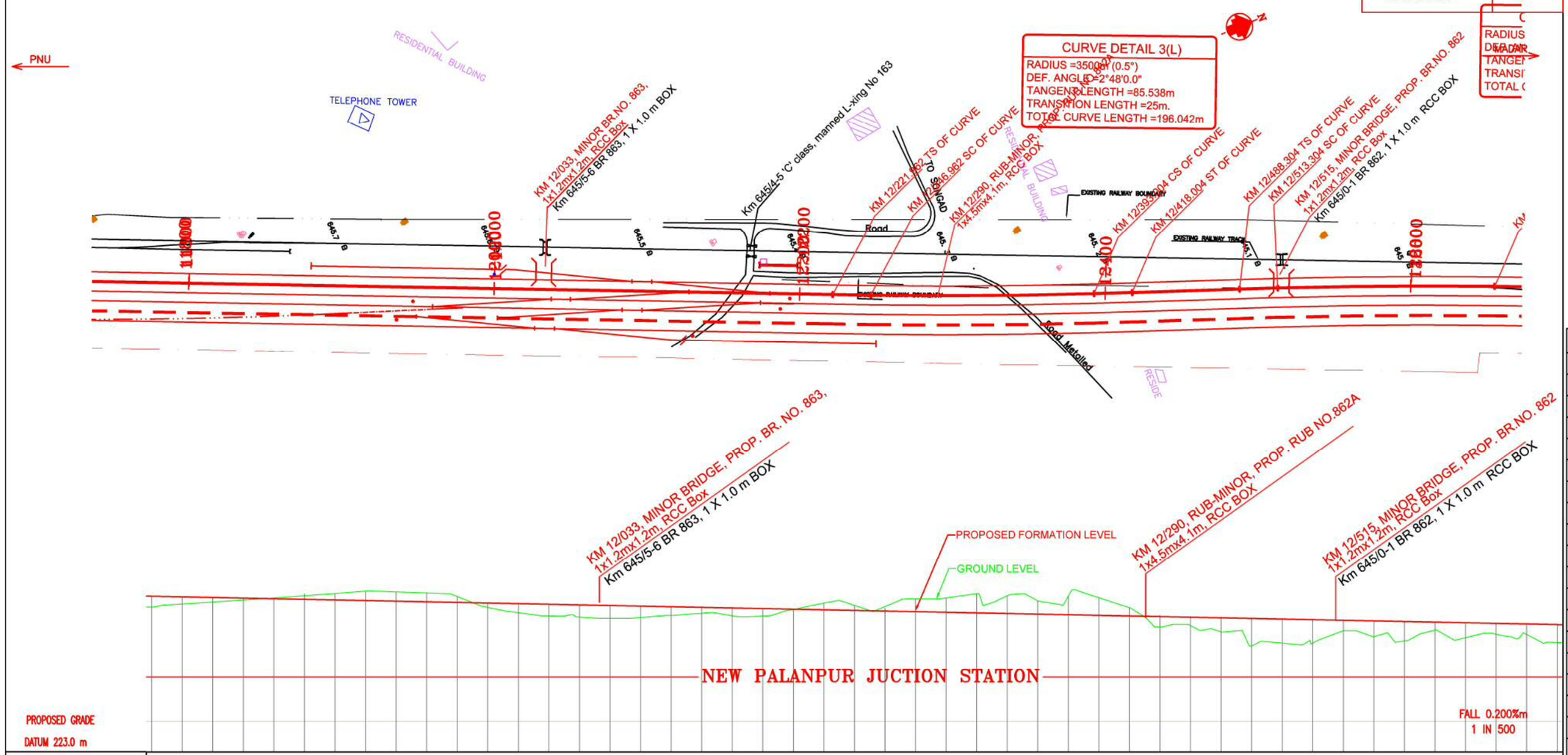
PREPARED BY :-
DOLPHIN CONSTRUCTION COMPANY
"Parsvar Bhawan" Road No.3 Bapunagar BSF Mandore, JODHPUR (RAJ.) 342 003
M.NO. +91 9828369291, +91 9001891168

DRG.NO:- DLPN/MADAR-PALANPUR/ PLAN-PROFILE

SCALE 1:2000(H),1:200(V)	DATE: MARCH, 2011	REV. No.
PROJECT NO.		
DESIGN BY:- K.S.PANWAR	CHECKED BY:- K.S.PANWAR	
DRAWN BY:- WIRENDRA	APPROVED BY:-	

V-2-5-294

Chainage	11740 TO 12660
Sector	9



CURVE DETAIL 3(L)
RADIUS =3500.0m (0.5°)
DEF. ANGLE =2°48'0.0"
TANGENT LENGTH =85.538m
TRANSITION LENGTH =25m.
TOTAL CURVE LENGTH =196.042m

RADIUS
DEF. ANGLE
TANGENT
TRANSI
TOTAL

NOTES :-
1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. NORTH DEPICTED IN DRAWINGS HAS BEEN OBSERVED USING PRISMATIC COMPASS.
3. PROFILE HAS BEEN DEPICTED BASED ON SURVEY OF INDIA'S GTS BENKM MARKS AVAILABLE AT VARIOUS LOCATIONS.
4. TRACK CENTER BETWEEN TWO TRACKS OF DFC HAS BEEN KEPT AS 6M.
5. OFC, ELECTRIC CABLES & OTHER UTILITIES FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
6. PROPOSED DFC TRACK SHOWN IN RED COLOUR (CONTINUOUS) HAS BEEN DESIGNED.
7. PROPOSED DFC TRACK SHOWN IN RED COLOUR (DASHED) HAS BEEN MARKED AT AN OFFSET OF 6M FROM DESIGNED TRACK

LEGEND

	BUILDINGS, HOUSE
	EXISTING TRACK
	PROP. DFCCIL TRACK
	PROPOSED ROW
	EXISTING ROW
	FENCING
	EXISTING K.M. STONE
	EXISTING BRIDGE
	TELEPHONE POST
	DRAIN
	BOUNDARY WALL
	PROP. BRIDGE
	WELL
	ELECTRICAL POST
	LAMP POST
	INDICATION BOARD
	OFC
	HECTA POST
	HAND PUMP

Dist. Between Exis, Main Track & Prop Adjacent Track of DFC	FILL (+)/ CUT (-)	PROPOSED FORMATION LEVEL (m)	EXISTING FORMATION LEVEL (m)	GROUND LEVEL (m)	CHAINAGE (m)
27.340	0.702	233.185	233.310	232.483	11740.0
26.894	0.467	233.125	233.264	232.658	11760.0
26.328	0.302	233.085	233.267	232.783	11780.0
25.648	0.132	233.045	233.300	232.913	11800.0
24.854	-0.044	233.05	233.271	233.049	11820.0
23.945	-0.227	232.965	233.240	233.192	11840.0
22.922	-0.416	232.925	233.084	233.341	11860.0
21.786	-0.611	232.885	233.098	233.496	11880.0
20.549	-0.600	232.845	233.077	233.445	11900.0
19.285	-0.568	232.805	233.064	233.373	11920.0
18.021	-0.375	232.765	232.998	233.140	11940.0
16.757	0.284	232.725	232.963	232.441	11960.0
15.518	0.594	232.685	232.928	232.091	11980.0
14.378	0.759	232.645	232.851	231.886	12000.0
13.343	0.791	232.605	232.804	231.814	12020.0
12.422	0.845	232.565	232.756	231.720	12040.0
11.615	0.744	232.525	232.727	231.781	12060.0
10.923	0.557	232.485	232.683	231.918	12080.0
10.345	0.387	232.445	232.653	232.058	12100.0
9.905	0.517	232.405	232.606	231.888	12120.0
9.579	0.496	232.365	232.543	231.869	12140.0
9.367	0.039	232.325	232.500	232.286	12160.0
9.270	-0.428	232.285	232.458	232.713	12180.0
9.254	-0.318	232.245	232.416	232.563	12200.0
9.227	-0.290	232.205	232.340	232.495	12220.0
9.201	-0.833	232.165	232.293	232.998	12240.0
9.175	-0.930	232.125	232.255	233.055	12260.0
9.148	-1.244	232.085	232.166	233.329	12280.0
9.123	-1.155	232.045	232.137	233.200	12300.0
9.112	-0.854	232.05	232.109	232.859	12320.0
9.101	-1.217	231.965	232.04	233.182	12340.0
9.089	-1.142	231.925	231.934	233.067	12360.0
9.078	-0.532	231.885	231.864	232.417	12380.0
9.068	0.676	231.845	231.797	231.169	12400.0
9.069	0.550	231.805	231.730	231.255	12420.0
9.070	0.915	231.765	231.663	230.850	12440.0
9.071	1.786	231.725	231.559	229.939	12460.0
9.072	1.564	231.685	231.519	230.121	12480.0
9.071	1.517	231.645	231.448	230.128	12500.0
9.053	0.683	231.605	231.448	230.922	12520.0
9.035	1.024	231.565	231.342	230.541	12540.0
9.018	1.258	231.525	231.302	230.267	12560.0
9.00	0.513	231.485	231.262	230.972	12580.0
8.982	0.976	231.445	231.218	230.475	12600.0
8.963	0.704	231.405	231.168	230.701	12620.0
8.944	0.685	231.365	231.117	230.680	12640.0
8.926	1.165	231.325	231.056	230.160	12660.0

APPROVED

DESIGNATION	DETAILS OF APPROVING OFFICIALS
CPM DFCC AJMER	
Dy. CPM DFCC AJMER	
APM DFCC AJMER	

PROJECT: MADAR TO PALANPUR WESTERN CORRIDOR

CLIENT: Dedicated Freight Corridor Corporation of India Ltd.

TITLE: DETAIL PLAN & PROFILE SECTION -9 (CH.- 11/740.0 TO CH.- 12/660.0)

PREPARED BY :-
DOLPHIN CONSTRUCTION COMPANY
"Parivar Bhawan" Road No.3 Nagapura BSF Mandore, JODHPUR (RAJ.) 342 026
M.NO. +91 9928368291, +91 9001891185

DRG.NO:- DLPN/MADAR-PALANPUR/ PLAN-PROFILE

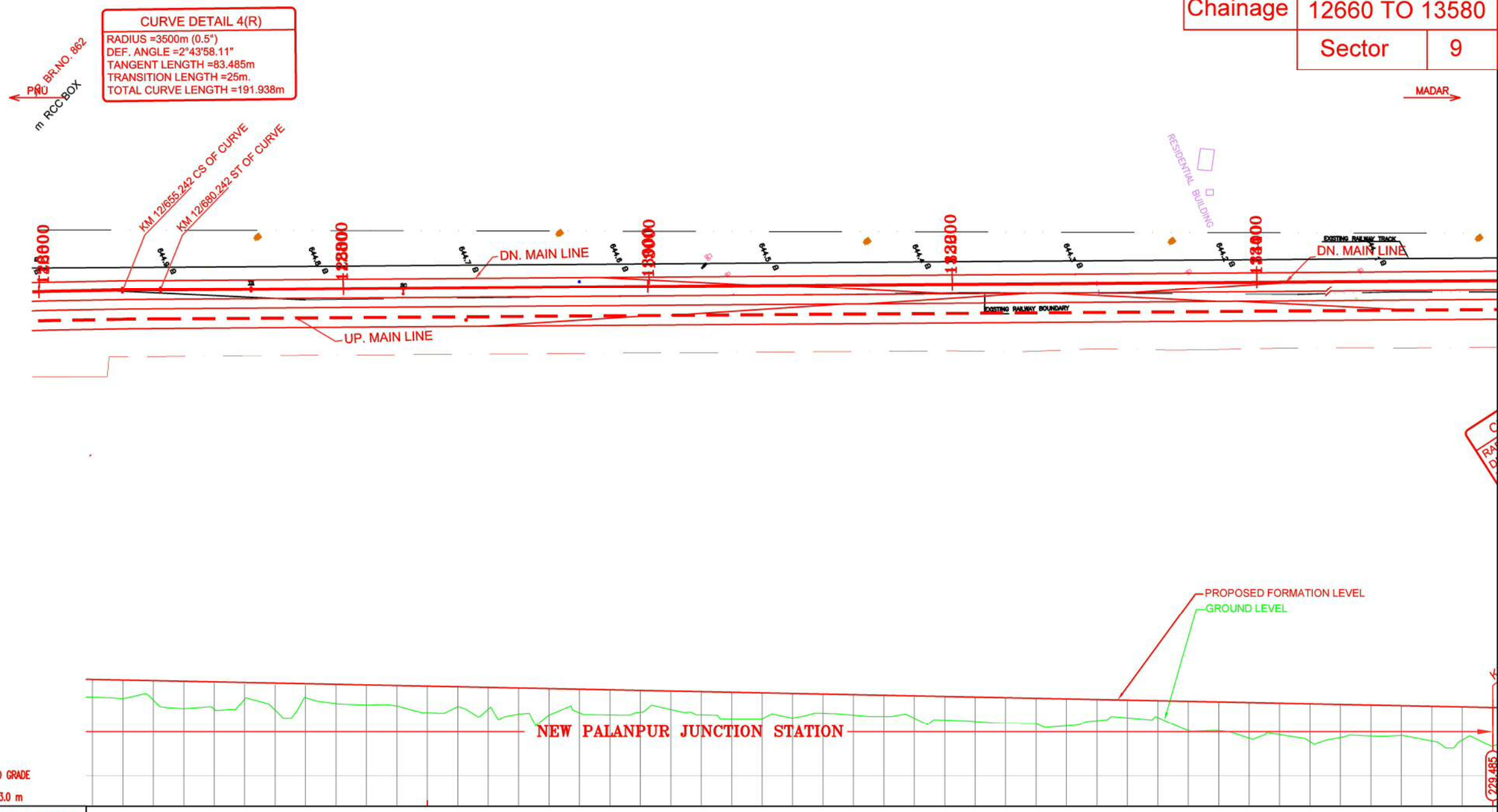
SCALE :1:2000(V),1:200(V)	DATE: MARCH, 2011	REV. No.
PROJECT NO.		
DESIGN BY:- K.S.PANWAR	CHEKED BY:- K.S.PANWAR	
DRAWN BY:- VIRENDRA	APPROVED BY:-	

V-2-5-295

Chainage	12660 TO 13580
Sector	9

CURVE DETAIL 4(R)

RADIUS =3500m (0.5°)
DEF. ANGLE =2°43'58.11"
TANGENT LENGTH =83.485m
TRANSITION LENGTH =25m.
TOTAL CURVE LENGTH =191.938m



PROPOSED GRADE

DATUM 223.0 m

VERTICAL ALIGNMENT

HORIZONTAL GEOMETRY 25.0m

CHAINAGE (m)	Dist. Between Exis, Main Track & Prop Adjacent Track of DFC	FILL (+)/ CUT (-)	PROPOSED FORMATION LEVEL (m)	EXISTING FORMATION LEVEL (m)	GROUND LEVEL (m)
12660.0	8.926	1.165	231.325	231.056	230.160
12680.0	8.907	1.222	231.285	230.970	230.063
12700.0	8.898	1.271	231.245	230.900	229.974
12720.0	8.895	1.784	231.205	230.853	229.421
12740.0	8.891	1.787	231.165	230.772	229.378
12760.0	8.887	1.094	231.125	230.749	230.031
12780.0	8.884	1.776	231.085	230.724	229.309
12800.0	8.885	0.922	231.045	230.663	230.123
12820.0	8.888	1.273	231.05	230.592	229.732
12840.0	8.891	1.323	230.965	230.592	229.642
12860.0	8.894	1.343	230.925	230.518	229.582
12880.0	8.897	1.753	230.885	230.480	229.132
12900.0	8.896	1.302	230.845	230.417	229.543
12920.0	8.894	1.426	230.805	230.400	229.379
12940.0	8.891	1.719	230.765	230.366	229.046
12960.0	8.888	1.730	230.725	230.332	228.995
12980.0	8.886	1.549	230.685	230.299	229.136
13000.0	8.885	1.644	230.645	230.279	229.01
13020.0	8.884	1.430	230.605	230.207	229.175
13040.0	8.883	1.212	230.565	230.174	229.353
13060.0	8.882	1.513	230.525	230.123	229.012
13080.0	8.881	1.746	230.485	230.076	228.739
13100.0	8.887	1.696	230.445	229.983	228.749
13120.0	8.893	1.604	230.405	229.910	228.801
13140.0	8.899	1.261	230.365	229.878	229.104
13160.0	8.905	1.343	230.325	229.855	228.982
13180.0	8.911	1.398	230.285	229.833	228.887
13200.0	8.911	1.463	230.245	229.769	228.782
13220.0	8.909	1.553	230.205	229.706	228.652
13240.0	8.907	1.601	230.165	229.662	228.564
13260.0	8.905	1.679	230.125	229.634	228.446
13280.0	8.904	1.659	230.085	229.569	228.426
13300.0	8.902	1.760	230.045	229.537	228.285
13320.0	8.900	1.388	230.05	229.506	228.617
13340.0	8.898	1.161	229.965	229.433	228.804
13360.0	8.897	1.105	229.925	229.360	228.820
13380.0	8.895	1.926	229.885	229.264	227.959
13400.0	8.890	1.888	229.845	229.201	227.957
13420.0	8.884	2.338	229.805	229.201	227.467
13440.0	8.878	2.058	229.765	229.114	227.707
13460.0	8.872	2.492	229.725	229.040	227.233
13480.0	8.867	2.175	229.685	228.922	227.510
13500.0	8.865	2.039	229.645	228.880	227.606
13520.0	8.864	1.957	229.605	228.838	227.648
13540.0	8.863	2.286	229.565	228.782	227.279
13560.0	8.862	2.182	229.525	228.744	227.343
13580.0	8.861	2.523	229.485	228.746	226.962

NOTES :-
1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. NORTH DEPICTED IN DRAWINGS HAS BEEN OBSERVED USING PRISMATIC COMPASS.
3. PROFILE HAS BEEN DEPICTED BASED ON SURVEY OF INDIA'S GTS BENKM MARKS AVAILABLE AT VARIOUS LOCATIONS.
4. TRACK CENTER BETWEEN TWO TRACKS OF DFC HAS BEEN KEPT AS 6M.
5. OFC, ELECTRIC CABLES & OTHER UTILITIES FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
6. PROPOSED DFC TRACK SHOWN IN RED COLOUR (CONTINUOUS) HAS BEEN DESIGNED.
7. PROPOSED DFC TRACK SHOWN IN RED COLOUR (DASHED) HAS BEEN MARKED AT AN OFFSET OF 6M FROM DESIGNED TRACK

LEGEND

	BUILDINGS, HOUSE
	EXISTING TRACK
	PROP. DFCCIL TRACK
	PROPOSED ROW
	EXISTING ROW
	FENCING
	EXISTING K.M. STONE
	EXISTING BRIDGE
	TELEPHONE POST
	DRAIN
	BOUNDARY WALL
	PROP. BRIDGE
	WELL
	ELECTRICAL POST
	LAMP POST
	INDICATION BOARD
	OFC
	HECTA POST
	HAND PUMP

APPROVED

DESIGNATION	DETAILS OF APPROVING OFFICIALS
CPM DFCC AJMER	
Dy. CPM DFCC AJMER	
APM DFCC AJMER	

PROJECT: MADAR TO PALANPUR WESTERN CORRIDOR

CLIENT: Dedicated Freight Corridor Corporation of India Ltd.

TITLE: DETAIL PLAN & PROFILE SECTION -9 (CH.- 12/660.0 TO CH.- 13/580.0)

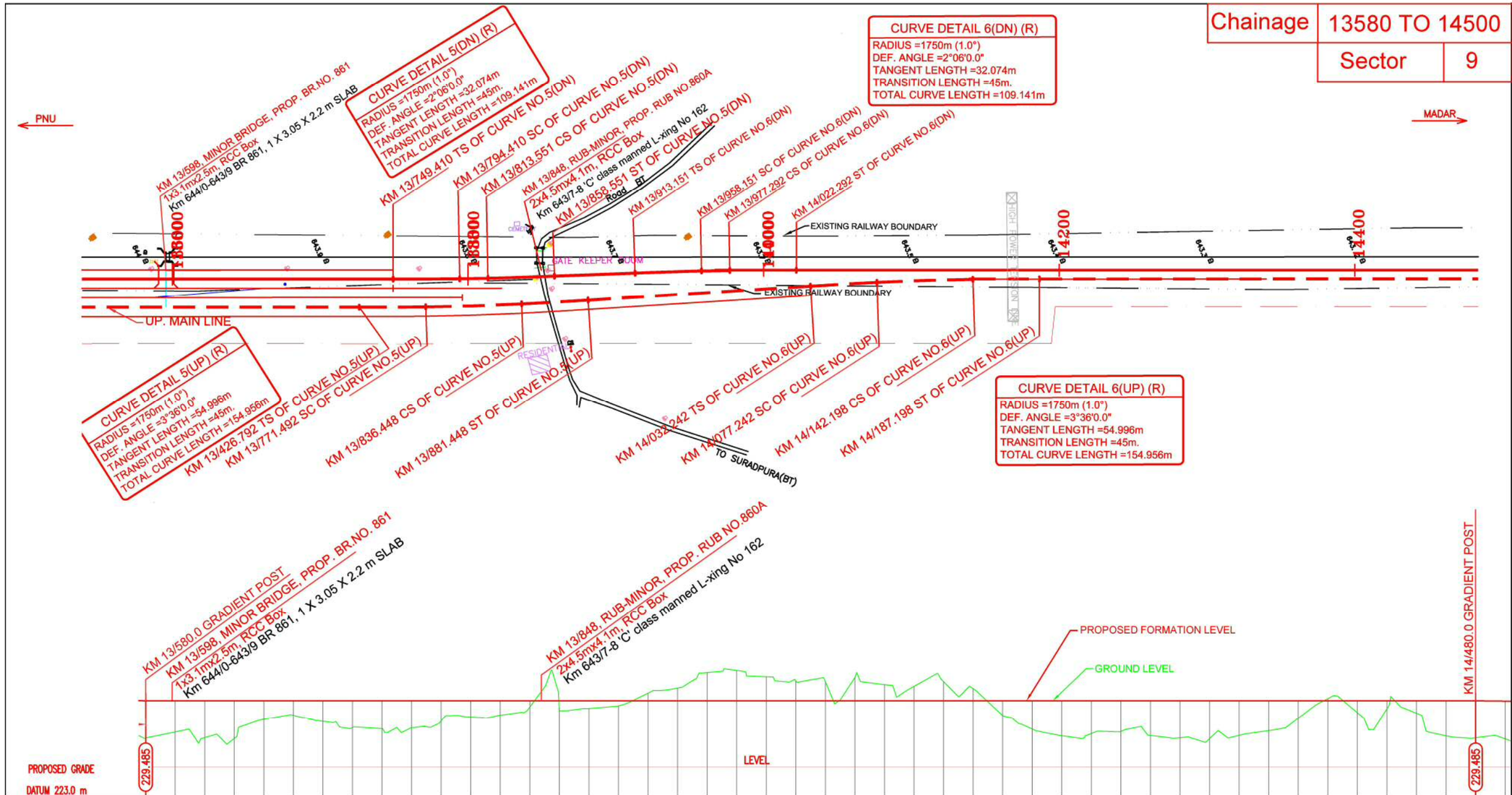
PREPARED BY :-
DOLPHIN CONSTRUCTION COMPANY
"Pioneer Mansion" Road No.2 Nagarara BSF Mansarovar, JODHPUR (RAJ.) 342 003
M.NO. +91 9928308291, +91 9001891188

DRG.NO:- DLPH/MADAR-PALANPUR/ PLAN-PROFILE

SCALE :1:2000(H),1:200(V)	DATE: MARCH, 2011	REV. No.
PROJECT NO.		
DESIGN BY:- K.S.PARMAR	CHECKED BY:- K.S.PARMAR	
DRAWN BY:- VIRENDRA	APPROVED BY:-	

V-2-5-296

Chainage	13580 TO 14500	
Sector	9	



PROPOSED GRADE

DATUM 223.0 m

VERTICAL ALIGNMENT: L = 900.0 m, G= 0.0%

HORIZONTAL GEOMETRY: R=1750m, L=45m L=109.141m L=45m; R=1750m, L=45m L=109.141m L=45m

CHAINAGE (m)	Dist. Between Exis, Main Track & Prop Adjacent Track of DFC	FILL (+)/ CUT (-)	PROPOSED FORMATION LEVEL (m)	EXISTING FORMATION LEVEL (m)	GROUND LEVEL (m)
13580.0	8.861	2.523	229.485	228.746	226.962
13600.0	8.860	2.112	229.485	228.749	227.373
13620.0	8.859	2.496	229.485	228.700	226.989
13640.0	8.857	2.544	229.485	228.712	226.941
13660.0	8.856	1.256	229.485	228.712	228.229
13680.0	8.855	0.986	229.485	228.706	228.499
13700.0	8.853	1.386	229.485	228.738	228.099
13720.0	8.850	1.808	229.485	228.766	227.677
13740.0	8.847	1.876	229.485	228.805	227.609
13760.0	8.843	1.827	229.485	228.817	227.658
13780.0	8.839	1.346	229.485	228.851	228.139
13800.0	8.836	1.093	229.485	228.869	228.392
13820.0	8.841	0.973	229.485	228.887	228.512
13840.0	8.847	0.416	229.485	228.912	229.069
13860.0	8.852	0.664	229.485	228.917	228.821
13880.0	8.858	0.526	229.485	228.923	228.959
13900.0	8.864	0.338	229.485	228.907	229.147
13920.0	8.872	-0.519	229.485	228.872	230.04
13940.0	8.880	-0.860	229.485	228.867	230.345
13960.0	8.888	-1.901	229.485	228.886	231.386
13980.0	8.896	-2.043	229.485	228.874	231.528
14000.0	8.905	-1.626	229.485	228.844	231.111
14020.0	8.900	-1.341	229.485	228.848	230.826
14040.0	8.895	-1.286	229.485	228.853	230.771
14060.0	8.890	-1.586	229.485	228.811	231.071
14080.0	8.884	-1.092	229.485	228.816	230.577
14100.0	8.879	-0.977	229.485	228.782	230.462
14120.0	8.877	-1.286	229.485	228.748	230.771
14140.0	8.876	-0.817	229.485	228.701	230.302
14160.0	8.875	1.00	229.485	228.636	228.485
14180.0	8.874	1.912	229.485	228.572	227.573
14200.0	8.873	2.370	229.485	228.537	227.115
14220.0	8.883	2.219	229.485	228.480	227.266
14240.0	8.894	2.070	229.485	228.444	227.415
14260.0	8.905	2.344	229.485	228.408	227.141
14280.0	8.916	2.497	229.485	228.372	226.988
14300.0	8.927	2.560	229.485	228.358	226.925
14320.0	8.937	2.340	229.485	228.351	227.145
14340.0	8.947	2.019	229.485	228.331	227.466
14360.0	8.957	1.173	229.485	228.312	228.312
14380.0	8.967	-0.143	229.485	228.285	229.628
14400.0	8.978	0.816	229.485	228.226	228.689
14420.0	8.991	0.524	229.485	228.141	228.961
14440.0	9.05	0.836	229.485	228.066	228.649
14460.0	9.019	2.367	229.485	227.956	227.118
14480.0	9.033	2.502	229.485	227.967	226.983
14500.0	9.047	2.558	229.461	227.894	226.903

NOTES :-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. NORTH DEPICTED IN DRAWINGS HAS BEEN OBSERVED USING PRISMATIC COMPASS.
3. PROFILE HAS BEEN DEPICTED BASED ON SURVEY OF INDIA'S GTS BENKM MARKS AVAILABLE AT VARIOUS LOCATIONS.
4. TRACK CENTER BETWEEN TWO TRACKS OF DFC HAS BEEN KEPT AS 6M.
5. OFC, ELECTRIC CABLES & OTHER UTILITIES FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
6. PROPOSED DFC TRACK SHOWN IN RED COLOUR (CONTINUOUS) HAS BEEN DESIGNED.
7. PROPOSED DFC TRACK SHOWN IN RED COLOUR (DASHED) HAS BEEN MARKED AT AN OFFSET OF 6M FROM DESIGNED TRACK

LEGEND

- BUILDINGS, HOUSE
- EXISTING TRACK
- PROP. DFCCIL TRACK
- PROPOSED ROW
- EXISTING ROW
- FENCING
- EXISTING K.M. STONE
- EXISTING BRIDGE
- TELEPHONE POST
- DRAIN
- BOUNDARY WALL
- PROP. BRIDGE
- WELL
- ELECTRICAL POST
- LAMP POST
- INDICATION BOARD
- OFC
- HECTA POST
- HAND PUMP

APPROVED

DESIGNATION	DETAILS OF APPROVING OFFICIALS
CPM DFCC AMER	
Dy. CPM DFCC AMER	
APM DFCC AMER	

PROJECT: MADAR TO PALANPUR WESTERN CORRIDOR

CLIENT: Dedicated Freight Corridor Corporation of India Ltd.

TITLE: DETAIL PLAN & PROFILE SECTION -9 (CH.- 13/580.0 TO CH.- 14/500.0)

PREPARED BY :-
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"Pawan Bhawan" Road No.2 Nagarara BSF Mandore, JODHPUR (RAJ) 342 026
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DRG.NO:- DLPH/MADAR-PALANPUR/ PLAN-PROFILE

SCALE :1:2000(H),1:200(V)	DATE: MARCH, 2011	REV. No.
PROJECT NO.		
DESIGN BY:- K.S.PAWAR	CHECKED BY:- K.S.PAWAR	
DRAWN BY:- VIRENDRA	APPROVED BY:-	