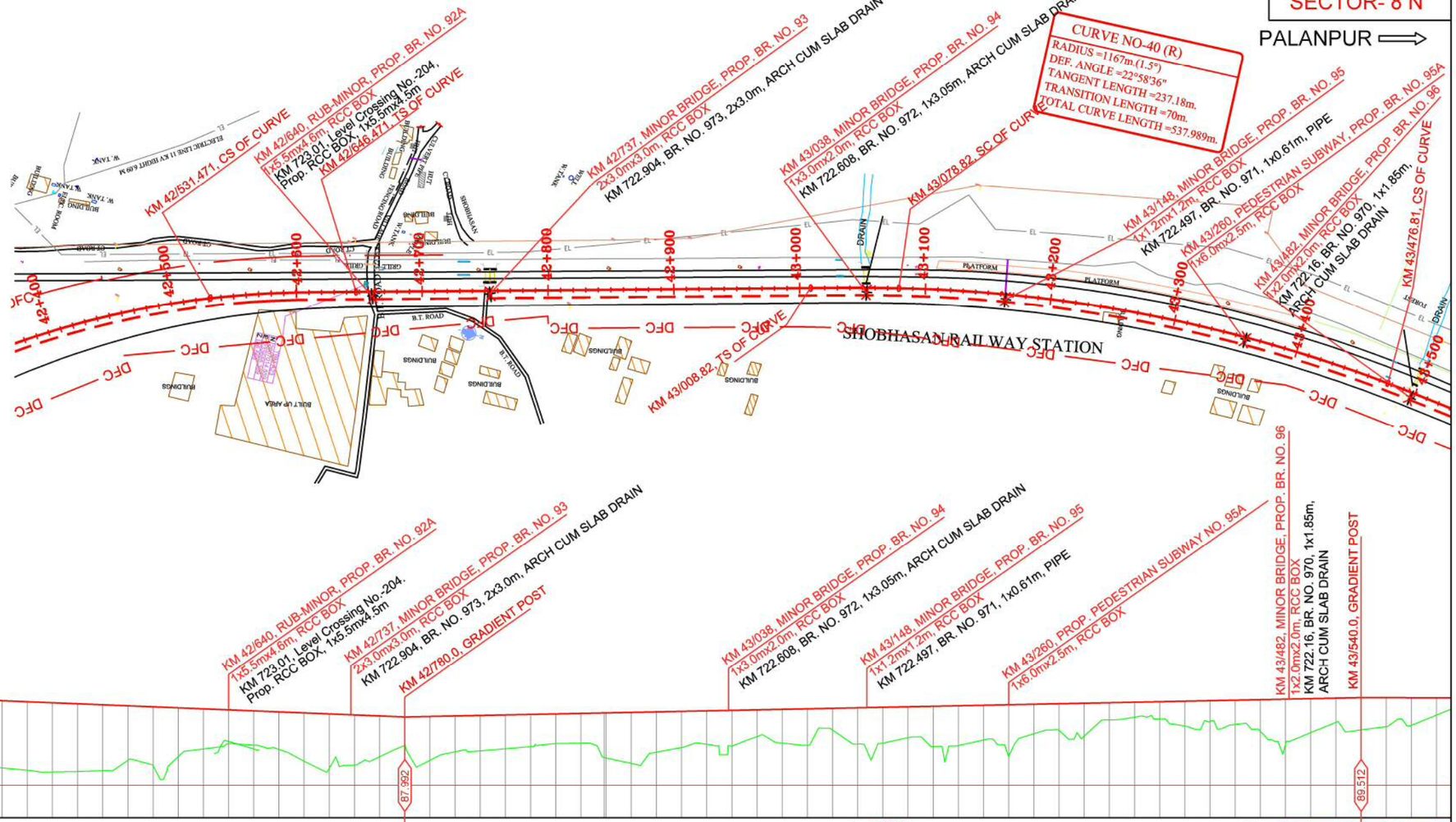
V-2-5-207

CHAINAGE	CH-42400 TO CH-43600
SECTOR- 8 N	

⟸ WAMAJ

PALANPUR ⟹



Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-10.086	2.688	88.552	86.341	85.864	42400.0
-10.053	3.015	88.472	86.359	85.457	42420.0
-10.017	2.964	88.392	86.389	85.428	42440.0
-9.978	3.812	88.312	86.432	84.500	42460.0
-9.946	4.277	88.232	86.474	83.955	42480.0
-9.932	3.950	88.152	86.503	84.202	42500.0
-9.932	3.221	88.072	86.526	84.851	42520.0
-9.934	2.234	87.992	86.549	85.758	42540.0
-9.932	3.458	88.032	86.580	84.574	42560.0
-9.933	2.829	88.072	86.612	85.243	42580.0
-9.939	2.794	88.112	86.663	85.318	42600.0
-9.951	2.672	88.152	86.728	85.480	42620.0
-9.967	2.549	88.192	86.793	85.643	42640.0
-9.990	2.341	88.232	86.847	85.891	42660.0
-10.016	2.354	88.272	86.897	85.918	42680.0
-10.029	3.551	88.312	86.965	84.761	42700.0
-10.032	4.029	88.352	87.058	84.323	42720.0
-10.009	3.180	88.392	87.129	85.212	42740.0
-9.966	2.853	88.432	87.152	85.579	42760.0
-9.896	2.636	88.472	87.176	85.836	42780.0
-9.854	2.833	88.512	87.128	85.679	42800.0
-9.892	2.101	88.552	87.173	86.451	42820.0
-10.080	2.659	88.592	87.246	85.933	42840.0
-10.404	2.874	88.632	87.244	85.758	42860.0
-10.719	1.710	88.672	87.286	86.962	42880.0
-10.908	2.865	88.712	87.296	85.847	42900.0
-11.051	2.826	88.752	87.336	85.926	42920.0
-11.142	2.430	88.792	87.372	86.362	42940.0
-11.239	3.177	88.832	87.470	85.655	42960.0
-11.309	3.133	88.872	87.514	85.739	42980.0
-11.355	2.740	88.912	87.536	86.172	43000.0
-11.370	4.055	88.952	87.579	84.897	43020.0
-11.447	2.323	88.992	87.632	86.669	43040.0
-11.368	2.088	89.032	87.673	86.944	43060.0
-11.309	2.594	89.072	87.745	86.478	43080.0
-11.243	1.358	89.112	87.829	87.754	43100.0
-11.184	1.179	89.152	87.904	87.973	43120.0
-11.111	1.356	89.192	87.969	87.836	43140.0
-11.000	1.965	89.232	88.035	87.267	43160.0
-10.827	1.649	89.272	88.081	87.623	43180.0
-10.594	1.914	89.312	88.120	87.398	43200.0
-10.353	2.498	89.352	88.211	86.854	43220.0
-10.130	3.552	89.392	88.275	85.840	43240.0
-9.932	2.679	89.432	88.379	86.753	43260.0
-9.760	1.917	89.472	88.484	87.555	43280.0
-9.543	2.549	89.512	88.578	86.963	43300.0
-9.232	2.289	89.508	88.668	87.219	43320.0
-8.921	2.180	89.504	88.748	87.324	43340.0
-8.594	1.365	89.500	88.801	88.135	43360.0
					43380.0
					43400.0
					43420.0
					43440.0
					43460.0
					43480.0
					43500.0
					43520.0
					43540.0
					43560.0
					43580.0
					43600.0

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

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

PLAN & PROFILE
(Km 42.400 to Km 43.600)

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-43600 TO CH-44800
SECTOR- 8 N	

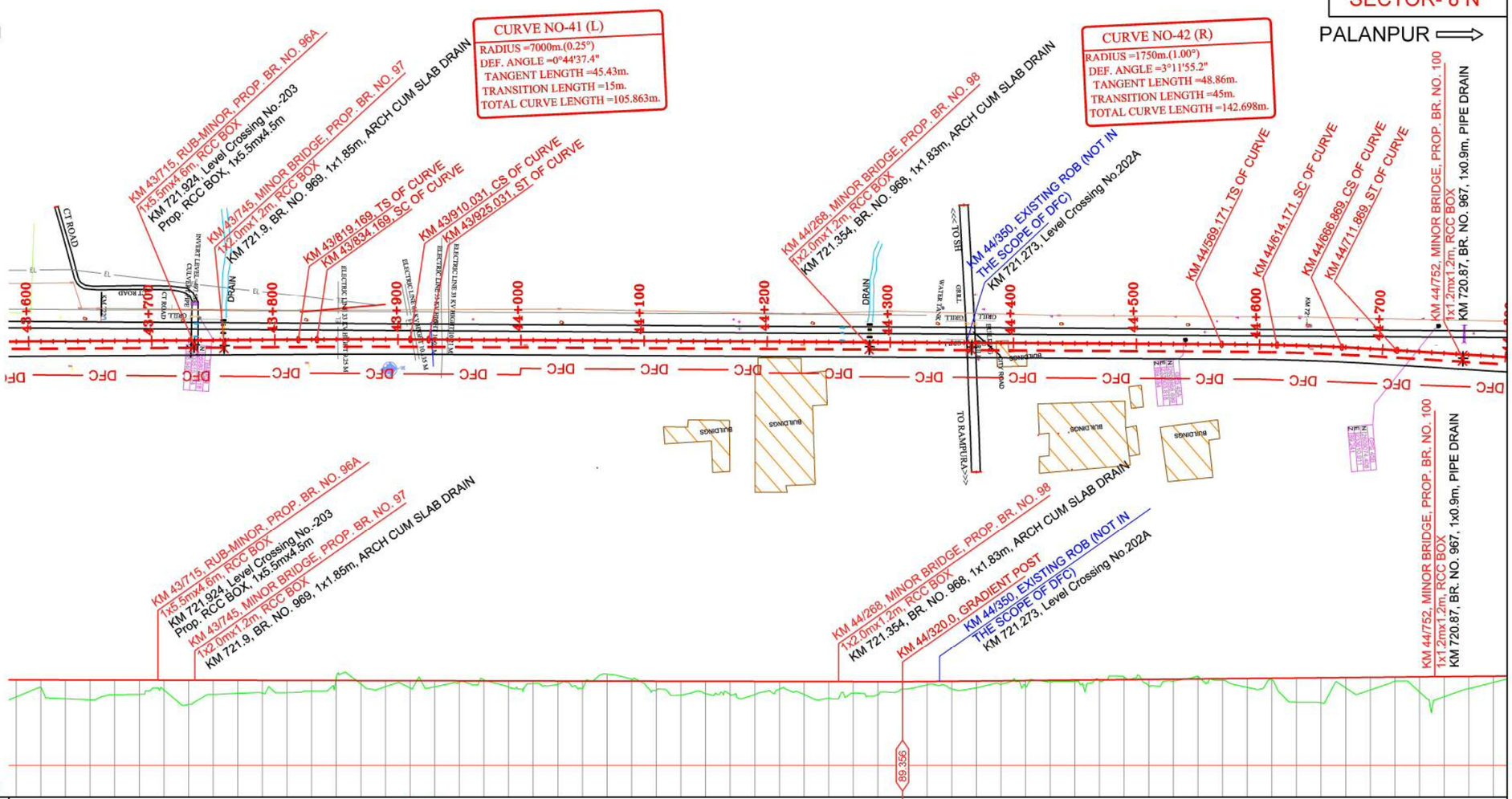
V-2-5-208

⟸ WAMAJ

PALANPUR ⟹

CURVE NO-41 (L)
RADIUS =7000m.(0.25°)
DEF. ANGLE =0°44'37.4"
TANGENT LENGTH =45.43m.
TRANSITION LENGTH =15m.
TOTAL CURVE LENGTH =105.863m.

CURVE NO-42 (R)
RADIUS =1750m.(1.00°)
DEF. ANGLE =3°11'55.2"
TANGENT LENGTH =48.86m.
TRANSITION LENGTH =45m.
TOTAL CURVE LENGTH =142.698m.



LEVEL DATUM 80

Vertical Alignment	L = 780.00 m, G= -0.020%
Horizontal Alignment	L=272.361m; L=15m; R= 7000m, L=105.863m; L=15m; L=644.14m; L=40m; R= 1750m, L=105.863m; L=40m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-8.594	1.365	89.500	88.801	88.135	43600.0
-8.265	0.622	89.496	88.854	88.874	43620.0
-7.957	1.523	89.492	88.921	87.969	43640.0
-7.656	1.604	89.488	89.000	87.884	43660.0
-7.354	1.187	89.484	89.056	88.297	43680.0
-7.048	1.154	89.480	89.073	88.326	43700.0
-6.740	0.812	89.476	89.102	88.664	43720.0
-6.430	1.951	89.472	89.142	87.521	43740.0
-6.118	1.148	89.468	89.182	88.320	43760.0
-5.799	1.052	89.464	89.213	88.412	43780.0
-5.478	1.034	89.460	89.243	88.426	43800.0
-5.120	0.984	89.456	89.265	88.472	43820.0
-4.642	0.858	89.452	89.280	88.594	43840.0
-3.954	-0.252	89.448	89.294	89.700	43860.0
-3.020	0.294	89.444	89.299	89.150	43880.0
-1.869	0.487	89.440	89.303	88.953	43900.0
-0.583	0.588	89.436	89.314	88.848	43920.0
0.762	0.487	89.432	89.345	88.945	43940.0
2.114	0.117	89.428	89.376	89.311	43960.0
3.468	-0.080	89.424	89.382	89.504	43980.0
4.816	0.522	89.420	89.386	88.898	44000.0
6.106	0.219	89.416	89.397	89.197	44020.0
7.263	0.262	89.412	89.432	89.150	44040.0
8.232	0.603	89.408	89.466	88.805	44060.0
8.993	-0.557	89.404	89.463	89.961	44080.0
9.532	-0.140	89.400	89.458	89.540	44100.0
9.841	0.753	89.396	89.454	88.643	44120.0
9.971	1.124	89.392	89.452	88.268	44140.0
10.000	1.009	89.388	89.451	88.379	44160.0
10.000	1.059	89.384	89.463	88.325	44180.0
9.999	1.061	89.380	89.496	88.319	44200.0
9.998	0.620	89.376	89.528	88.756	44220.0
9.998	1.063	89.372	89.508	88.309	44240.0
9.999	1.367	89.368	89.486	88.001	44260.0
10.004	0.949	89.364	89.469	88.415	44280.0
10.014	1.041	89.360	89.460	89.319	44300.0
10.010	0.605	89.356	89.451	88.751	44320.0
9.986	0.273	89.374	89.417	89.101	44340.0
9.998	0.638	89.392	89.332	88.754	44360.0
10.007	0.552	89.410	89.368	88.858	44380.0
9.991	0.278	89.428	89.403	89.150	44400.0
9.881	0.444	89.446	89.439	89.002	44420.0
9.598	0.104	89.464	89.461	89.360	44440.0
9.095	0.105	89.482	89.482	89.377	44460.0
8.375	0.073	89.500	89.508	89.427	44480.0
7.440	-0.195	89.518	89.538	89.713	44500.0
6.328	0.522	89.536	89.569	89.014	44520.0
5.107	0.159	89.554	89.580	89.395	44540.0
3.859	-0.193	89.572	89.587	89.765	44560.0
2.617	0.140	89.590	89.585	89.450	44580.0
1.382	0.710	89.608	89.571	88.898	44600.0
0.141	0.113	89.626	89.557	89.513	44620.0
-1.113	1.938	89.644	89.546	87.706	44640.0
-2.372	2.015	89.662	89.534	87.647	44660.0
-3.631	0.833	89.680	89.529	88.847	44680.0
-4.890	1.007	89.698	89.546	88.691	44700.0
-6.148	0.314	89.716	89.562	89.402	44720.0
-7.397	1.223	89.734	89.582	88.511	44740.0
-8.640	1.604	89.752	89.605	88.148	44760.0
-9.891	0.978	89.770	89.627	88.792	44780.0
-11.158	0.498	89.788	89.673	89.290	44800.0

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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TS=Tangent to Spiral
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

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Ministry of Railways

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Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

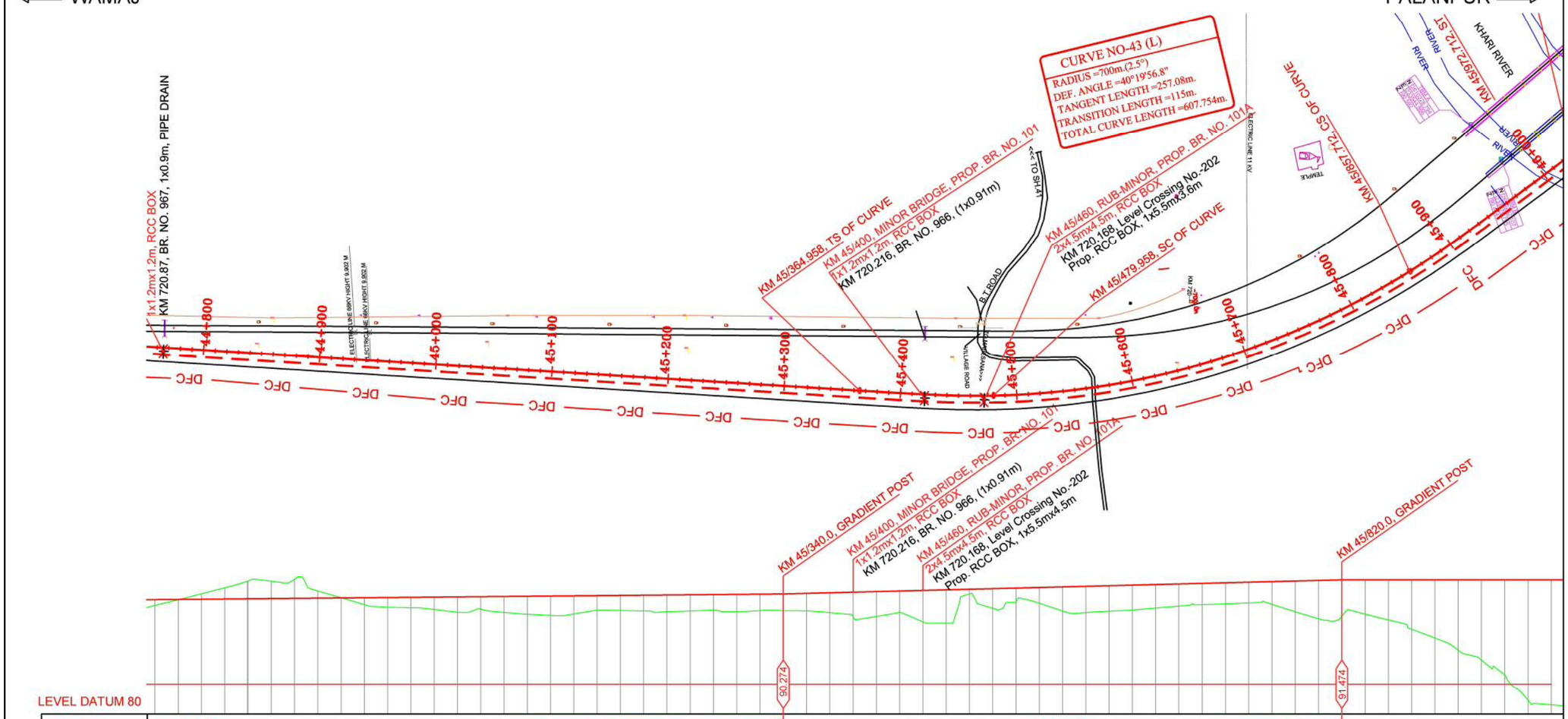
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 43.600 to Km 44.800)

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-44800 TO CH-46000
SECTOR- 8 N	

V-2-5-209



Vertical Alignment	L = 1020.00 m, G= 0.090%; L = 480.00 m, G= 0.250%
Horizontal Alignment	L=653.089m; L=115m; R= 700m, L=607.754m; L=115m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-11.158	0.498	89.788	89.673	89.290	44800.0
-12.429	0.022	89.806	89.719	89.784	44820.0
-13.693	-0.470	89.824	89.766	90.294	44840.0
-14.952	-0.970	89.842	89.813	90.812	44860.0
-16.210	-1.527	89.860	89.860	91.387	44880.0
-17.472	-1.477	89.878	89.859	91.355	44900.0
-18.728	-1.642	89.896	89.850	91.538	44920.0
-19.958	-0.626	89.914	89.834	90.540	44940.0
-21.166	-0.019	89.932	89.810	89.951	44960.0
-22.386	0.587	89.950	89.785	89.363	44980.0
-23.634	0.824	89.968	89.763	89.144	45000.0
-24.888	0.883	89.986	89.742	89.103	45020.0
-26.127	1.049	90.004	89.711	88.955	45040.0
-27.357	1.296	90.022	89.668	88.726	45060.0
-28.576	1.056	90.040	89.625	88.984	45080.0
-29.778	1.351	90.058	89.579	88.707	45100.0
-30.974	1.529	90.076	89.531	88.547	45120.0
-32.186	1.650	90.094	89.493	88.444	45140.0
-33.410	1.535	90.112	89.469	88.577	45160.0
-34.635	1.220	90.130	89.444	88.910	45180.0
-35.852	1.279	90.148	89.438	88.869	45200.0
-37.071	1.343	90.166	89.439	88.823	45220.0
-38.299	1.431	90.184	89.433	88.753	45240.0
-39.536	1.374	90.202	89.419	88.828	45260.0
-40.772	1.316	90.220	89.404	88.904	45280.0
-42.005	1.465	90.238	89.383	88.773	45300.0
-43.236	1.392	90.256	89.358	88.864	45320.0
-44.465	1.413	90.274	89.334	88.861	45340.0
-45.691	1.500	90.324	89.310	88.824	45360.0
-46.863	1.693	90.374	89.286	88.681	45380.0
-47.860	2.088	90.424	89.270	88.336	45400.0
-48.566	2.114	90.474	89.288	88.360	45420.0
-48.878	1.801	90.524	89.278	88.723	45440.0
-48.702	2.674	90.574	89.310	87.900	45460.0
-47.967	2.852	90.624	89.329	87.772	45480.0
-46.656	0.402	90.674	89.353	90.272	45500.0
-44.863	1.656	90.724	89.395	89.068	45520.0
-42.744	1.133	90.774	89.416	89.641	45540.0
-40.440	1.335	90.824	89.423	89.489	45560.0
-38.059	2.052	90.874	89.430	88.822	45580.0
-35.759	2.238	90.924	89.517	88.686	45600.0
-33.617	2.170	90.974	89.579	88.804	45620.0
-31.698	2.115	91.024	89.657	88.909	45640.0
-29.973	1.997	91.074	89.743	89.077	45660.0
-28.483	1.885	91.124	89.814	89.239	45680.0
-27.219	1.808	91.174	89.899	89.366	45700.0
-26.088	1.790	91.224	89.995	89.434	45720.0
-25.165	1.761	91.274	90.082	89.513	45740.0
-24.413	1.941	91.324	90.184	89.383	45760.0
-23.915	2.620	91.374	90.300	88.754	45780.0
-23.646	3.265	91.424	90.366	88.159	45800.0
-23.603	3.090	91.474	90.442	88.384	45820.0
-23.835	2.918	91.474	90.505	88.566	45840.0
-24.307	3.406	91.474	90.558	88.068	45860.0
-25.001	4.206	91.474	90.568	87.258	45880.0
-26.001	4.957	91.474	90.577	86.517	45900.0
-27.130	5.993	91.474	90.580	85.481	45920.0
-28.392	6.848	91.474	90.582	84.626	45940.0
-29.750	8.110	91.474	90.598	83.364	45960.0
-31.067	10.307	91.474	90.613	81.167	45980.0
-32.380	10.679	91.474	90.629	80.795	46000.0

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

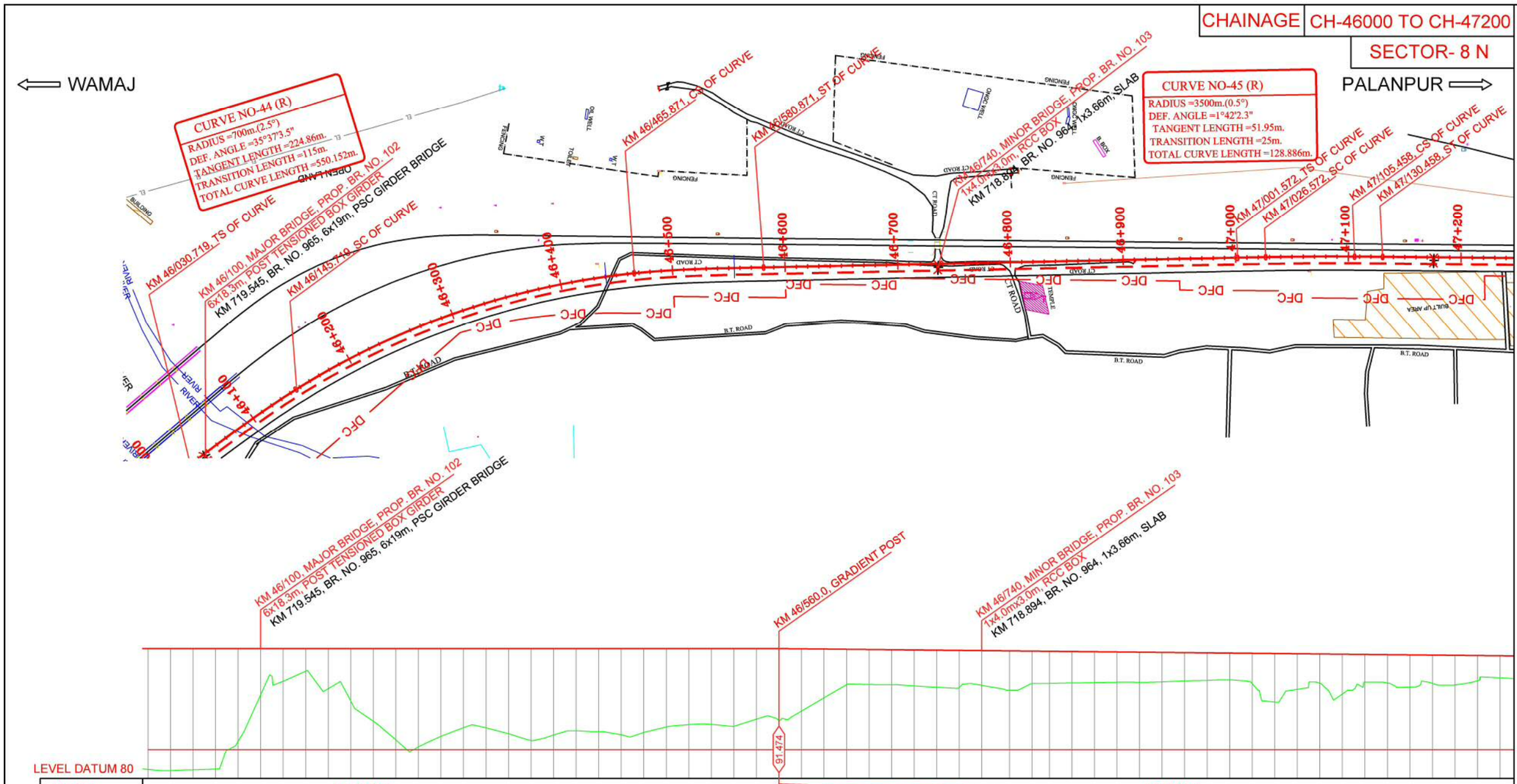
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 44.800 to Km 46.000)

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-46000 TO CH-47200
SECTOR- 8 N	

V-2-5-210



LEVEL DATUM 80

Vertical Alignment	L = 740.00 m, G= 0.000%; L = 700.00 m, G= -0.100%
Horizontal Alignment	L=58.007m; L=115m; R= 700m L=550.152m; L=115m; L=420.701m; L=25m; R=3500m L=128.886m; L=25m; L=315.35m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
46000.0	-32.380	10.679	91.474	90.629	90.795
46020.0	-33.722	10.779	91.474	90.643	90.695
46040.0	-35.124	10.713	91.474	90.657	90.761
46060.0	-36.568	10.658	91.474	90.670	90.816
46080.0	-38.220	8.169	91.474	90.599	83.305
46100.0	-39.868	4.062	91.474	90.585	87.412
46120.0	-41.371	2.875	91.474	90.560	88.599
46140.0	-42.653	1.988	91.474	90.463	89.486
46160.0	-43.568	3.526	91.474	90.350	87.948
46180.0	-44.183	4.635	91.474	90.182	86.839
46200.0	-44.488	6.400	91.474	90.093	85.074
46220.0	-44.476	8.035	91.474	89.929	83.439
46240.0	-44.140	8.658	91.474	89.849	82.816
46260.0	-43.498	7.725	91.474	89.636	83.749
46280.0	-42.584	6.961	91.474	89.488	84.513
46300.0	-41.329	6.975	91.474	89.321	84.499
46320.0	-39.804	7.502	91.474	89.209	83.972
46340.0	-37.923	8.080	91.474	89.161	83.394
46360.0	-35.674	7.603	91.474	89.047	83.871
46380.0	-33.138	7.222	91.474	89.037	84.252
46400.0	-30.271	7.295	91.474	89.010	84.179
46420.0	-27.416	7.590	91.474	88.979	83.864
46440.0	-24.803	7.391	91.474	88.931	84.083
46460.0	-22.478	6.897	91.474	88.875	84.577
46480.0	-20.708	6.680	91.474	88.830	84.794
46500.0	-19.327	6.671	91.474	88.818	84.803
46520.0	-18.251	6.833	91.474	88.807	84.641
46540.0	-17.390	6.216	91.474	88.795	85.258
46560.0	-16.588	6.306		88.784	85.168
46580.0	-15.782	5.484	91.454	88.763	85.970
46600.0	-14.975	4.295	91.434	88.737	87.139
46620.0	-14.164	3.106	91.414	88.712	88.308
46640.0	-13.344	3.084	91.394	88.682	88.310
46660.0	-12.524	3.079	91.374	88.650	88.295
46680.0	-11.712	3.160	91.354	88.645	88.194
46700.0	-10.908	3.269	91.334	88.676	88.065
46720.0	-10.105	3.265	91.314	88.708	88.049
46740.0	-9.296	3.059	91.294	88.732	88.235
46760.0	-8.485	3.393	91.274	88.723	87.881
46780.0	-7.672	3.047	91.254	88.713	88.207
46800.0	-6.854	2.819	91.234	88.704	88.415
46820.0	-6.036	2.771	91.214	88.697	88.443
46840.0	-5.229	2.723	91.194	88.691	88.471
46860.0	-4.432	2.663	91.174	88.691	88.511
46880.0	-3.636	2.656	91.154	88.690	88.498
46900.0	-2.833	2.584	91.134	88.695	88.550
46920.0	-2.030	2.493	91.114	88.705	88.621
46940.0	-1.231	2.410	91.094	88.713	88.654
46960.0	-0.436	2.355	91.074	88.715	88.719
46980.0	0.360	2.683	91.054	88.717	88.371
47000.0	1.145	4.260	91.034	88.735	86.774
47020.0	1.877	3.129	91.014	88.755	87.885
47040.0	2.513	2.572	90.994	88.775	88.422
47060.0	3.037	3.497	90.974	88.795	87.477
47080.0	3.449	2.444	90.954	88.815	88.510
47100.0	3.751	2.485	90.934	88.871	88.449
47120.0	3.941	2.835	90.914	88.942	88.079
47140.0	4.033	2.487	90.894	89.016	88.407
47160.0	4.070	2.603	90.874	89.114	88.271
47180.0	4.085	2.212	90.854	89.211	88.642
47200.0	4.078	1.942	90.834	89.324	88.892

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

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

PLAN & PROFILE
(Km 46.000 to Km 47.200)

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-47200 TO CH-48400
SECTOR- 8 N	

V-2-5-211

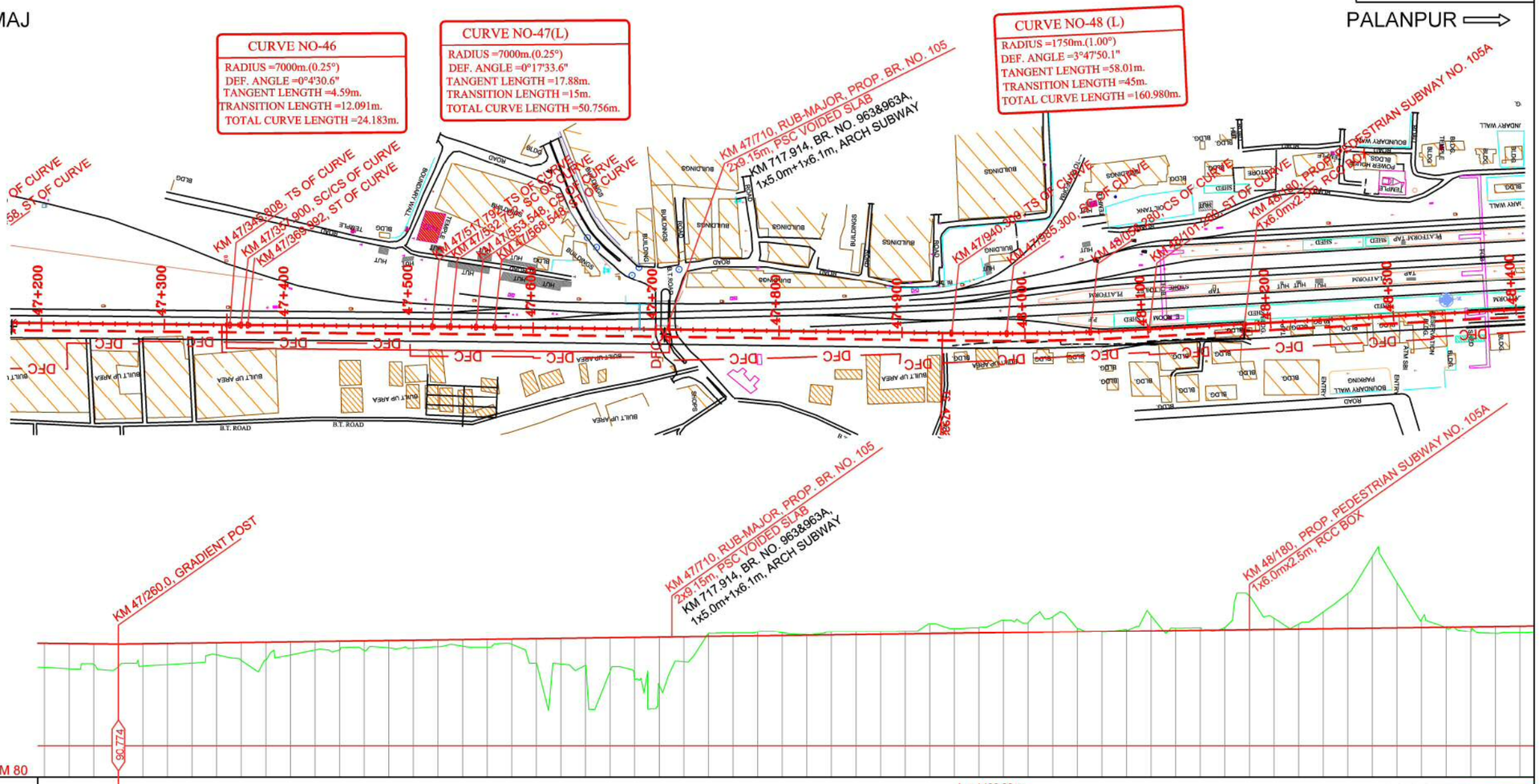
⟸ WAMAJ

PALANPUR ⟹

CURVE NO-46
RADIUS =7000m.(0.25°)
DEF. ANGLE =0°4'30.6"
TANGENT LENGTH =4.59m.
TRANSITION LENGTH =12.091m.
TOTAL CURVE LENGTH =24.183m.

CURVE NO-47(L)
RADIUS =7000m.(0.25°)
DEF. ANGLE =0°17'33.6"
TANGENT LENGTH =17.88m.
TRANSITION LENGTH =15m.
TOTAL CURVE LENGTH =50.756m.

CURVE NO-48 (L)
RADIUS =1750m.(1.00°)
DEF. ANGLE =3°47'50.1"
TANGENT LENGTH =58.01m.
TRANSITION LENGTH =45m.
TOTAL CURVE LENGTH =160.980m.



Vertical Alignment: L = 1420.00 m, G= 0.130%

Horizontal Alignment: 35m; R= 7000m, L=24.183m; L=147.8m; R= 7000m, L=50.756m, L=15m, L=15m; L=371.752m; L=45m; R=1750m, L=160.980m; L=45m; L=601.001m

Chainage	Ground levels	Existing Formation Levels	Proposed Formation Levels	Cut/Fill	Distance between Existing Track & Proposed Track
47200.0	88.892	89.321	90.834	1.942	4.078
47220.0	88.788	89.442	90.814	2.026	4.061
47240.0	89.128	89.562	90.794	1.666	4.060
47260.0	89.970	89.679	90.774	1.804	4.075
47280.0	88.996	89.795	90.800	1.804	4.078
47300.0	89.119	89.885	90.826	1.707	3.993
47320.0	89.242	89.969	90.852	1.610	3.717
47340.0	89.914	90.055	90.878	0.964	3.149
47360.0	89.456	90.146	90.904	1.448	2.266
47380.0	89.468	90.237	90.930	1.462	1.163
47400.0	89.905	90.330	90.956	1.051	-0.054
47420.0	90.296	90.425	90.982	0.686	-1.289
47440.0	90.299	90.521	91.008	0.709	-2.499
47460.0	90.258	90.636	91.034	0.776	-3.726
47480.0	90.478	90.759	91.060	0.582	-4.975
47500.0	90.444	90.881	91.086	0.642	-6.113
47520.0	90.562	90.942	91.112	0.550	-7.016
47540.0	90.612	91.003	91.138	0.526	-7.634
47560.0	90.530	91.076	91.164	0.634	-7.980
47580.0	90.762	91.156	91.190	0.428	-8.212
47600.0	89.222	91.224	91.216	1.994	-8.427
47620.0	89.168	91.036	91.242	2.074	-8.536
47640.0	89.063	89.734	91.268	2.205	-8.856
47660.0	88.603	88.432	91.294	2.691	-9.267
47680.0	87.903	87.130	91.320	3.417	-9.751
47700.0	87.434	85.910	91.346	3.912	-10.318
47720.0	89.350	87.212	91.372	2.022	-10.937
47740.0	91.648	88.515	91.398	-0.250	-11.589
47760.0	91.672	89.818	91.424	-0.246	-12.247
47780.0	91.769	91.120	91.450	-0.319	-12.877
47800.0	91.703	91.327	91.476	-0.227	-13.473
47820.0	91.556	91.402	91.502	-0.054	-14.166
47840.0	91.769	91.503	91.528	-0.241	-14.961
47860.0	91.782	91.547	91.554	-0.228	-15.860
47880.0	91.789	91.591	91.580	-0.209	-16.891
47900.0	91.831	91.588	91.606	-0.225	-18.055
47920.0	92.441	91.617	91.632	-0.809	-19.205
47940.0	92.047	91.657	91.658	-0.389	-20.346
47960.0	92.147	91.742	91.684	-0.463	-21.436
47980.0	92.731	91.827	91.710	-1.021	-22.443
48000.0	92.552	91.869	91.736	-0.816	-23.301
48020.0	93.037	91.912	91.762	-1.275	-23.946
48040.0	92.051	91.954	91.788	-0.263	-24.389
48060.0	91.777	91.965	91.814	0.037	-24.652
48080.0	91.956	91.978	91.840	-0.116	-24.774
48100.0	93.102	91.996	91.866	-1.236	-24.804
48120.0	92.076	92.010	91.892	-0.184	-24.813
48140.0	92.140	92.023	91.918	-0.222	-24.822
48160.0	92.161	92.045	91.944	-0.217	-24.836
48180.0	94.696	91.979	91.970	-2.726	-24.849
48200.0	92.867	91.914	91.996	-0.891	-24.858
48220.0	92.437	91.908	92.022	-0.415	-24.865
48240.0	93.417	91.902	92.048	-1.369	-24.862
48260.0	94.921	91.889	92.074	-2.847	-24.848
48280.0	97.932	91.847	92.100	-5.832	-24.834
48300.0	95.790	91.807	92.126	-3.664	-24.832
48320.0	92.832	91.792	92.152	-0.680	-24.835
48340.0	92.127	91.777	92.178	0.051	-24.832
48360.0	91.795	91.776	92.204	0.409	-24.820
48380.0	91.642	91.797	92.230	0.588	-24.810
48400.0	91.887	91.817	92.256	0.369	-24.809

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
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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

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

PLAN & PROFILE
(Km 47.200 to Km 48.400)

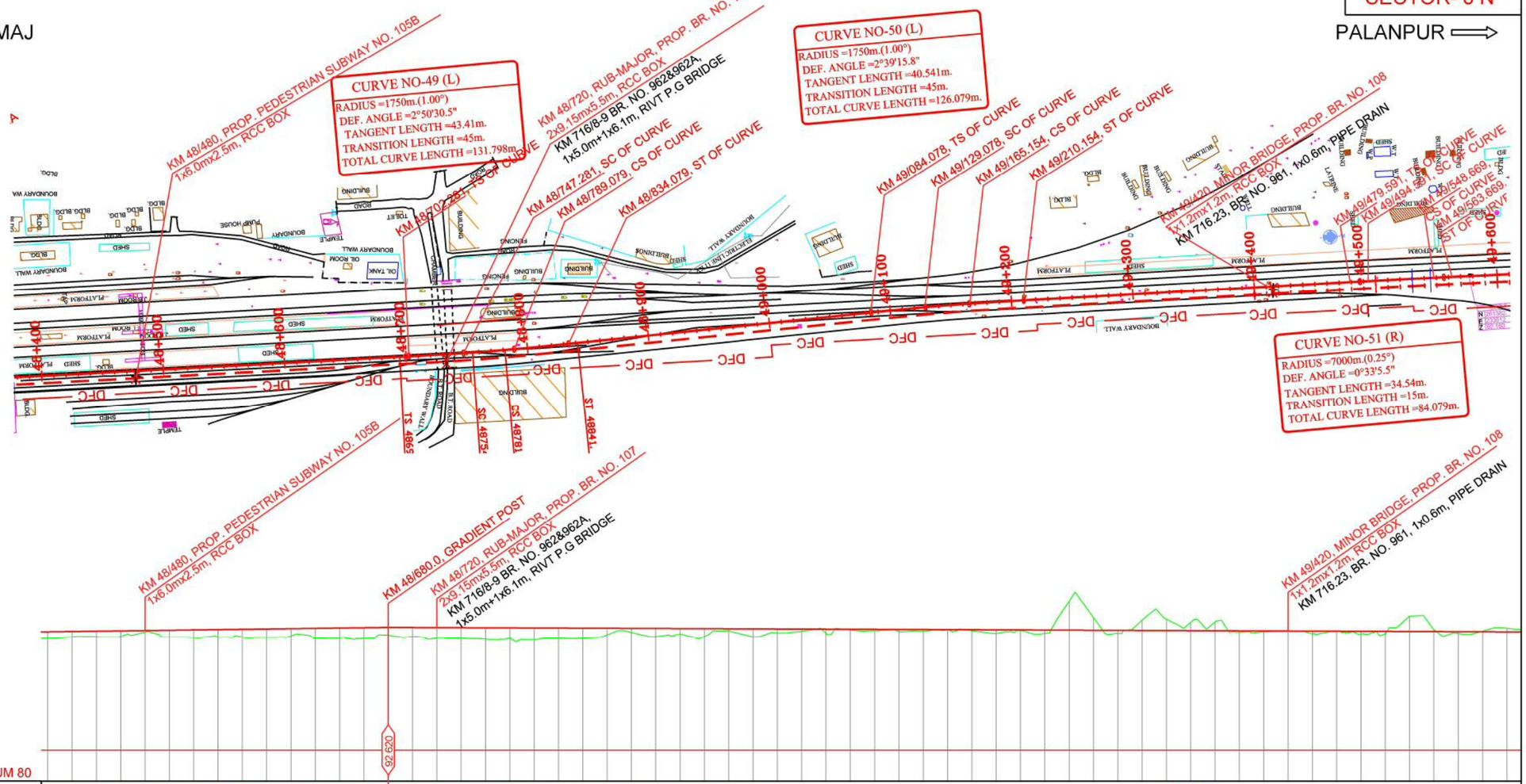
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-48400 TO CH-49600
SECTOR- 8 N	

V-2-5-212

⟸ WAMAJ

PALANPUR ⟹



Vertical Alignment: L = 1320.00 m, G= -0.040%

Horizontal Alignment: L=601.001m; R= 1750m, L=45m, L=131.798m, L=45m; L=250.001m; R= 1750m, L=45m, L=126.079m, L=45m; L=269.437m; L=15m, R= 7000m, L=15m, L=84.079m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
48400.0	-24.809	0.569	92.256	91.817	91.687
48420.0	-24.811	0.468	92.282	91.825	91.814
48440.0	-24.814	0.472	92.308	91.832	91.836
48460.0	-24.811	0.473	92.334	91.839	91.861
48480.0	-24.806	0.130	92.360	91.847	92.230
48500.0	-24.801	0.596	92.386	91.854	91.790
48520.0	-24.799	0.659	92.412	91.854	91.753
48540.0	-24.797	0.658	92.438	91.854	91.760
48560.0	-24.791	0.672	92.464	91.846	91.792
48580.0	-24.783	0.728	92.490	91.834	91.762
48600.0	-24.775	0.607	92.516	91.821	91.909
48620.0	-24.765	0.833	92.542	91.822	91.709
48640.0	-24.757	0.861	92.568	91.827	91.707
48660.0	-24.757	0.747	92.594	91.831	91.847
48680.0	-24.775	0.632	92.620	91.843	91.988
48700.0	-24.798	0.758	92.612	91.856	91.854
48720.0	-24.790	0.879	92.604	91.884	91.725
48740.0	-24.631	0.904	92.596	91.928	91.692
48760.0	-24.288	0.952	92.588	91.973	91.636
48780.0	-23.715	0.850	92.580	91.958	91.730
48800.0	-22.938	0.960	92.572	91.933	91.612
48820.0	-22.023	0.860	92.564	91.933	91.704
48840.0	-21.039	0.844	92.556	91.959	91.712
48860.0	-20.037	0.546	92.548	91.984	92.002
48880.0	-19.158	0.333	92.540	92.010	92.207
48900.0	-18.185	0.669	92.532	92.036	91.863
48920.0	-17.215	0.480	92.524	92.061	92.044
48940.0	-16.243	0.656	92.516	92.087	91.860
48960.0	-15.270	0.188	92.508	92.113	92.320
48980.0	-14.295	0.684	92.500	92.138	91.816
49000.0	-13.319	0.335	92.492	92.160	92.157
49020.0	-12.342	0.191	92.484	92.129	92.293
49040.0	-11.365	0.322	92.476	92.232	92.154
49060.0	-10.386	0.049	92.468	92.277	92.419
49080.0	-9.406	0.099	92.460	92.295	92.361
49100.0	-8.444	0.177	92.452	92.312	92.275
49120.0	-7.568	0.146	92.444	92.330	92.298
49140.0	-6.855	0.007	92.436	92.348	92.429
49160.0	-6.376	0.073	92.428	92.366	92.355
49180.0	-6.121	0.280	92.420	92.384	92.140
49200.0	-6.017	0.054	92.412	92.402	92.358
49220.0	-5.997	0.278	92.404	92.420	92.126
49240.0	-6.025	-2.392	92.396	92.437	94.788
49260.0	-6.084	-1.035	92.388	92.455	93.423
49280.0	-6.146	0.256	92.380	92.459	92.124
49300.0	-6.179	-0.854	92.372	92.454	93.226
49320.0	-6.176	-0.940	92.364	92.492	93.304
49340.0	-6.158	-0.697	92.356	92.551	93.053
49360.0	-6.150	-0.732	92.348	92.606	93.080
49380.0	-6.176	0.114	92.340	92.621	92.226
49400.0	-6.269	0.084	92.332	92.625	92.248
49420.0	-6.429	0.024	92.324	92.618	92.300
49440.0	-6.519	0.227	92.316	92.610	92.089
49460.0	-6.442	0.030	92.308	92.609	92.278
49480.0	-6.278	0.237	92.300	92.628	92.063
49500.0	-6.134	0.202	92.292	92.647	92.090
49520.0	-6.039	-1.263	92.284	92.666	93.547
49540.0	-6.000	-0.167	92.276	92.685	92.443
49560.0	-6.003	0.145	92.268	92.696	92.123
49580.0	-6.014	-0.054	92.260	92.687	92.347
49600.0	-6.025	-0.238	92.252	92.678	92.587

LEGEND

Proposed ROW
Land Boundary
Electric Line
Telephone Line
Boundary Wall
Fencing
High Tension Line
Existing Rail Track
Proposed DFC
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PC=Point of Curvature
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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

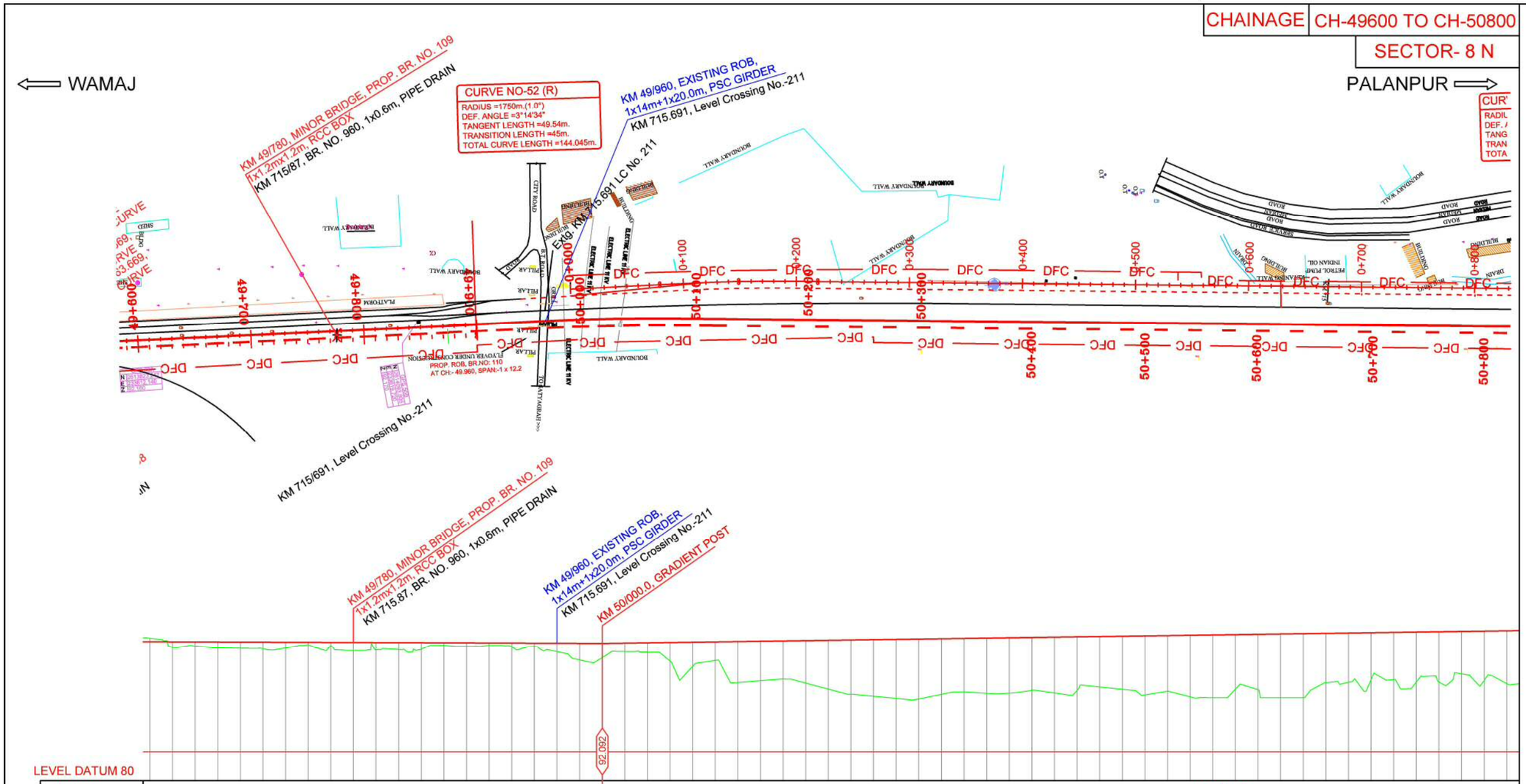
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 48.400 to Km 49.600)

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-49600 TO CH-50800
SECTOR- 8 N	

V-2-5-213



Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
49600.0	-6.025	-0.298	92.252	92.678	92.550
49620.0	-6.029	0.516	92.244	92.652	91.728
49640.0	-6.023	0.372	92.236	92.618	91.864
49660.0	-6.011	0.527	92.228	92.583	91.701
49680.0	-6.000	0.544	92.220	92.542	91.676
49700.0	-5.997	0.585	92.212	92.500	91.627
49720.0	-6.006	0.505	92.204	92.465	91.699
49740.0	-6.019	0.248	92.196	92.445	91.948
49760.0	-6.027	0.302	92.188	92.424	91.886
49780.0	-6.032	0.706	92.180	92.404	91.474
49800.0	-6.029	0.644	92.172	92.361	91.528
49820.0	-6.011	0.607	92.164	92.316	91.557
49840.0	-5.978	0.570	92.156	92.271	91.586
49860.0	-6.858	0.243	92.148	92.226	91.905
49880.0	-8.562	0.304	92.140	92.200	91.836
49900.0	-9.314	0.234	92.132	92.178	91.898
49920.0	-9.547	0.346	92.124	92.156	91.778
49940.0	-9.468	0.288	92.116	92.133	91.828
49960.0	-9.464	0.739	92.108	92.109	91.369
49980.0	-9.560	1.463	92.100	92.051	90.637
50000.0	-9.560	1.455	92.092	91.979	90.637
50020.0	-10.221	0.752	92.120	91.944	91.368
50040.0	-10.799	0.827	92.148	91.908	91.321
50060.0	-11.493	1.644	92.176	91.885	90.532
50080.0	-12.190	2.130	92.204	91.863	90.074
50100.0	-12.810	1.646	92.232	91.834	90.586
50120.0	-13.401	3.606	92.260	91.835	88.654
50140.0	-13.859	3.480	92.288	91.878	88.808
50160.0	-14.240	3.365	92.316	91.920	88.951
50180.0	-14.584	3.747	92.344	91.953	88.597
50200.0	-14.874	4.305	92.372	91.953	88.067
50220.0	-15.117	4.783	92.400	91.961	87.617
50240.0	-15.317	4.982	92.428	91.915	87.446
50260.0	-15.317	5.010	92.456	91.922	87.446
50280.0	-15.569	5.270	92.484	91.906	87.214
50300.0	-15.606	4.905	92.512	91.927	87.607
50320.0	-15.611	4.724	92.540	91.948	87.816
50340.0	-15.597	4.868	92.568	91.978	87.700
50360.0	-15.566	4.875	92.596	92.015	87.721
50380.0	-15.536	4.664	92.624	92.053	87.960
50400.0	-15.502	4.927	92.652	92.069	87.725
50420.0	-15.470	4.722	92.680	92.080	87.958
50440.0	-15.446	4.450	92.708	92.091	88.258
50460.0	-15.426	4.685	92.736	92.065	88.051
50480.0	-15.408	5.205	92.764	92.039	87.559
50500.0	-15.395	4.916	92.792	91.997	87.876
50520.0	-15.381	5.425	92.820	91.945	87.395
50540.0	-15.354	5.532	92.848	91.925	87.316
50560.0	-15.317	4.803	92.876	91.947	88.073
50580.0	-15.290	4.893	92.904	91.968	88.011
50600.0	-15.282	5.626	92.932	91.972	87.306
50620.0	-15.283	5.654	92.960	91.957	87.306
50640.0	-15.285	4.361	92.988	91.942	88.627
50660.0	-15.290	4.352	93.016	91.945	88.664
50680.0	-15.291	4.130	93.044	91.948	88.914
50700.0	-15.286	4.167	93.072	91.958	88.905
50720.0	-15.277	4.407	93.100	91.980	88.693
50740.0	-15.262	4.436	93.128	92.001	88.692
50760.0	-15.262	4.386	93.156	92.044	88.770
50780.0	-15.225	4.385	93.184	92.090	88.805
50800.0	-15.206	4.654	93.212	92.127	88.573

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 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

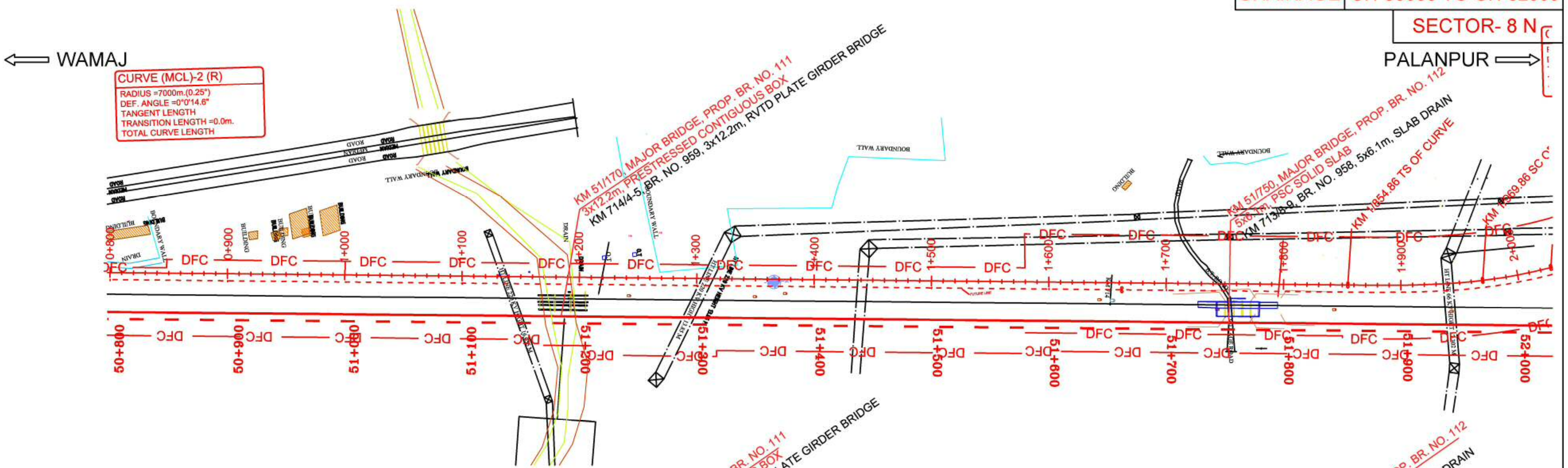
PLAN & PROFILE
(Km 49.600 to Km 50.800)

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-50800 TO CH-52000

SECTOR- 8 N

V-2-5-214



LEVEL DATUM 102

Vertical Alignment: L = 130.00 m, G= 0.000% | L = 770.00 m, G= 0.050%

Horizontal Alignment

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
50800.0	-15.206	4.664	93.212	92.127	88.548
50820.0	-15.193	4.531	93.240	92.134	88.709
50840.0	-15.182	4.215	93.268	92.140	89.053
50860.0	-15.172	3.095	93.296	92.170	90.201
50880.0	-15.162	3.005	93.324	92.202	90.319
50900.0	-15.149	3.061	93.352	92.232	90.291
50920.0	-15.129	2.883	93.380	92.264	90.497
50940.0	-15.109	2.908	93.408	92.303	90.500
50960.0	-15.098	3.932	93.436	92.342	89.504
50980.0	-15.096	4.138	93.464	92.397	89.326
51000.0	-15.103	4.417	93.492	92.459	89.075
51020.0	-15.128	4.335	93.520	92.518	89.185
51040.0	-15.151	4.132	93.548	92.573	89.416
51060.0	-15.141	3.873	93.576	92.629	89.703
51080.0	-15.112	3.543	93.604	92.675	90.061
51100.0	-15.087	4.325	93.632	92.717	89.307
51120.0	-15.077	1.910	93.632	92.765	91.722
51140.0	-15.071	4.447	93.632	92.835	89.185
51160.0	-15.068	2.896	93.632	92.905	90.736
51180.0	-15.069	3.220	93.632	92.965	90.412
51200.0	-15.069	4.602	93.632	93.021	89.030
51220.0	-15.064	3.341	93.632	93.066	90.291
51240.0	-15.057	3.377	93.637	93.106	90.260
51260.0	-15.051	3.951	93.647	93.146	89.696
51280.0	-15.045	2.787	93.657	93.189	90.870
51300.0	-15.036	2.691	93.667	93.233	90.976
51320.0	-15.019	3.201	93.677	93.253	90.476
51340.0	-15.002	2.736	93.687	93.221	90.951
51360.0	-15.003	3.689	93.697	93.189	90.008
51380.0	-15.024	3.513	93.707	93.177	90.194
51400.0	-15.043	2.334	93.717	93.176	91.383
51420.0	-15.041	3.416	93.727	93.170	90.311
51440.0	-15.032	3.721	93.737	93.148	90.016
51460.0	-15.033	4.073	93.747	93.126	89.674
51480.0	-15.046	3.704	93.757	93.123	90.053
51500.0	-15.058	3.335	93.767	93.133	90.432
51520.0	-15.061	3.377	93.777	93.139	90.400
51540.0	-15.060	3.496	93.787	93.136	90.291
51560.0	-15.058	3.493	93.797	93.133	90.304
51580.0	-15.056	3.507	93.807	93.120	90.300
51600.0	-15.051	3.519	93.817	93.100	90.298
51620.0	-15.038	3.561	93.827	93.083	90.266
51640.0	-15.022	3.439	93.837	93.087	90.398
51660.0	-15.010	3.245	93.847	93.090	90.602
51680.0	-15.002	3.288	93.857	93.108	90.569
51700.0	-14.994	3.135	93.867	93.135	90.732
51720.0	-14.980	5.632	93.877	93.162	88.245
51740.0	-14.967	2.812	93.887	93.187	91.075
51760.0	-14.939	3.228	93.897	93.211	90.669
51780.0	-14.855	4.171	93.907	93.242	89.736
51800.0	-15.001	4.290	93.917	93.277	89.627
51820.0	-13.835	3.599	93.927	93.313	90.328
51840.0	-14.801	2.754	93.937	93.350	91.183
51860.0	-15.037	3.386	93.947	93.387	90.561
51880.0	-15.043	2.577	93.957	93.394	91.380
51900.0	-15.048	1.885	93.967	93.375	92.082
51920.0	-15.037	2.367	93.977	93.496	91.610
51940.0	-15.013	3.658	93.987	93.987	90.329
51960.0	-14.997	2.678	93.997	94.479	91.319
51980.0	-14.994	2.803	94.007	93.340	91.204
52000.0	-14.998	3.116	94.017	93.312	90.901

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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- ST=Spiral to Tangent

CONSORTIUM NJPI

DFCC NEW DELHI

Date	Description	CHKD	APPRD
JULY-11			
DATE	DESCRIPTION	CHKD	APPRD

REVISIONS

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

डेडीकेटेड फ्रेट कोरीडोर

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

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

PLAN & PROFILE
(Km 50.800 to Km 52.000)

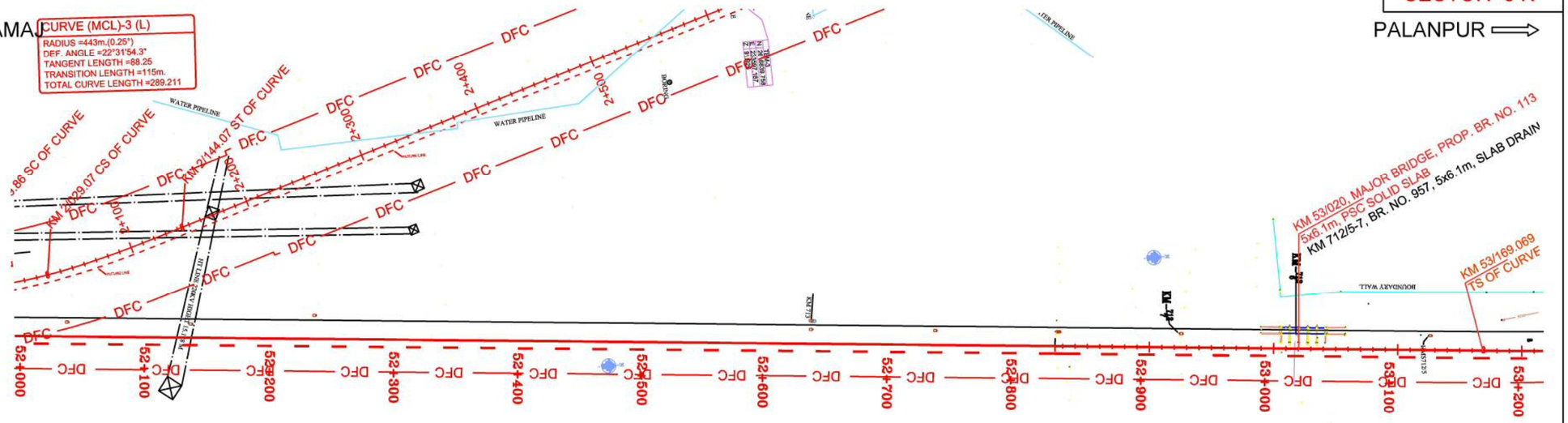
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

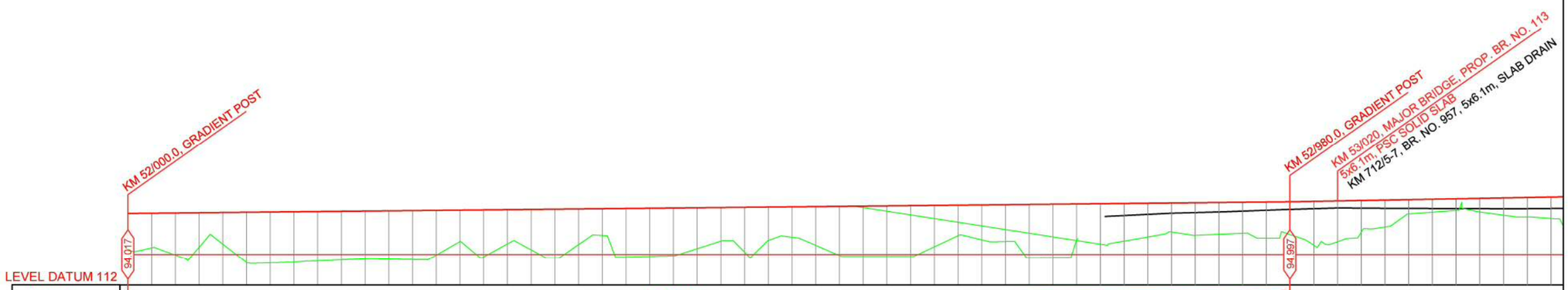
CHAINAGE	CH-52000 TO CH-53200
SECTOR- 8 N	

V-2-5-215

⇦ WAMAJ

PALANPUR ⇨





Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
52000.0	-14.998	3.116	94.017	93.312	90.901
52020.0	-15.007	2.898	94.037	93.287	91.139
52040.0	-15.017	3.560	94.057	93.270	90.497
52060.0	-15.022	2.837	94.077	93.253	91.240
52080.0	-15.008	2.696	94.097	93.253	91.401
52100.0	-14.990	4.257	94.117	93.289	89.850
52120.0	-14.987	4.267	94.137	93.326	89.870
52140.0	-14.991	4.219	94.157	93.319	89.938
52160.0	-14.994	4.131	94.177	93.311	90.046
52180.0	-14.992	4.075	94.197	93.307	90.122
52200.0	-14.990	4.019	94.217	93.314	90.198
52220.0	-14.984	4.060	94.237	93.321	90.177
52240.0	-14.976	4.111	94.257	93.315	90.146
52260.0	-14.977	3.755	94.277	93.304	90.522
52280.0	-14.999	2.631	94.297	93.309	91.666
52300.0	-15.028	3.952	94.317	93.325	90.365
52320.0	-15.041	2.878	94.337	93.342	91.459
52340.0	-15.045	3.397	94.357	93.332	90.960
52360.0	-15.048	4.112	94.377	93.318	90.265
52380.0	-15.050	2.990	94.397	93.308	91.407
52400.0	-15.051	2.243	94.417	93.302	92.174
52420.0	-15.052	4.080	94.437	93.296	90.357
52440.0	-15.054	4.047	94.457	93.299	90.410
52460.0	-15.059	4.029	94.477	93.315	90.448
52480.0	-15.069	3.436	94.497	93.348	91.061
52500.0	-15.075	2.825	94.517	93.393	91.692
52520.0	-15.071	3.791	94.537	93.439	90.746
52540.0	-15.060	2.799	94.557	93.438	91.758
52560.0	-15.056	2.551	94.577	93.437	92.026
52580.0	-15.059	3.258	94.597	93.434	91.339
52600.0	-15.056	4.132	94.617	93.429	90.485
52620.0	-15.038	4.222	94.637	93.424	90.415
52640.0	-15.017	4.243	94.657	93.428	90.414
52660.0	-15.017	4.256	94.677	93.432	90.421
52680.0	-15.041	3.476	94.697	93.443	91.221
52700.0	-15.064	2.567	94.717	93.459	92.150
52720.0	-15.063	2.937	94.737	93.478	91.800
52740.0	-15.051	3.093	94.757	93.512	91.664
52760.0	-15.038	4.497	94.777	93.545	90.280
52780.0	-15.022	4.489	94.797	93.575	90.308
52800.0	-15.001	2.986	94.817	93.603	91.831
52824.0		3.451	94.837	93.764	91.386
52840.0	-14.995	3.160	94.857	93.843	91.697
52860.0	-14.993	2.831	94.877	93.943	92.046
52880.0	-14.996	2.436	94.897	94.040	92.461
52900.0	-15.005	2.732	94.917	94.080	92.185
52920.0	-15.016	2.662	94.937	94.140	92.275
52940.0	-15.014	2.599	94.957	94.212	92.358
52960.0	-15.006	3.040	94.977	94.291	91.937
52980.0	-14.998	2.754	94.997	94.364	92.243
53000.0	-14.989	3.680	95.033	94.422	91.353
53020.0	-14.985	3.412	95.069	94.480	91.657
53040.0	-14.985	2.640	95.105	94.467	92.465
53060.0	-14.993	2.256	95.141	94.454	92.885
53080.0	-15.016	1.193	95.177	94.444	93.984
53100.0	-15.053	1.088	95.213	94.435	94.125
53120.0	-15.098	0.994	95.249	94.426	94.255
53140.0	-15.133	1.141	95.285	94.421	94.144
53160.0	-15.173	1.449	95.321	94.418	93.872
53180.0	-15.288	1.645	95.357	94.422	93.712
53200.0	-15.414	1.797	95.393	94.435	93.597

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

सर्टिफिकेटेड क्रेट 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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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

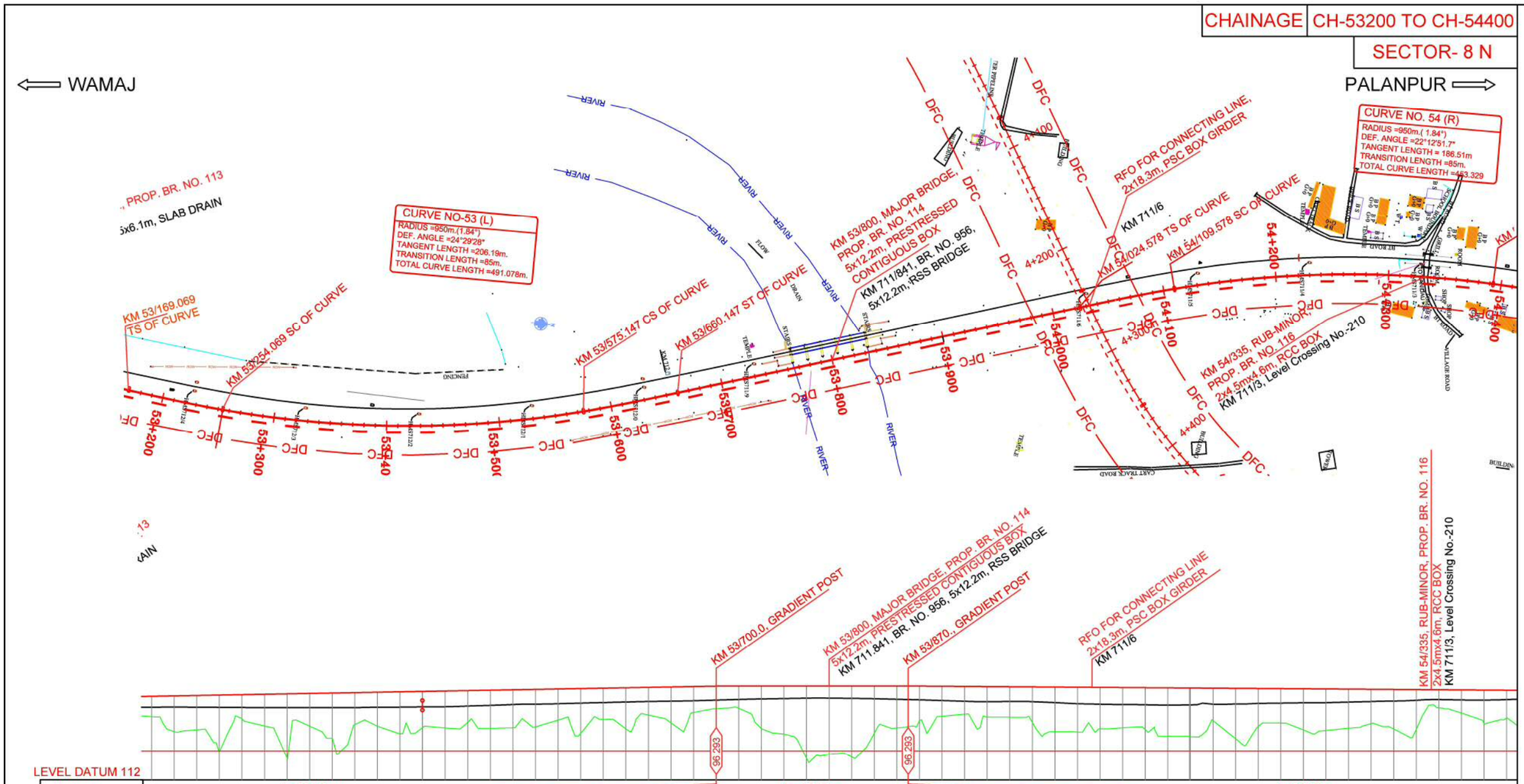
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 52.000 to Km 53.200)

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-53200 TO CH-54400
SECTOR- 8 N	

V-2-5-216



LEVEL DATUM 112

Vertical Alignment	L = 720.00 m, G= 0.180%	L = 170.00 m, G= 0.000%	L = 700.00 m, G= -0.070%

Horizontal Alignment	L=85m	R= 950m L=491.078m	L=85m	L=364.432m	L=85m	R= 950m L=453.328m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-15.414	1.797	95.393	94.435	93.596	53200.0
-15.648	3.154	95.429	94.449	92.275	53220.0
-15.662	3.028	95.465	94.435	92.437	53240.0
-15.664	5.022	95.501	94.413	90.479	53260.0
-15.679	2.148	95.537	94.403	93.419	53280.0
-15.428	2.797	95.573	94.396	92.776	53300.0
-15.280	5.679	95.609	94.397	89.930	53320.0
-15.148	2.898	95.645	94.392	92.747	53340.0
-15.045	3.985	95.681	94.391	91.696	53360.0
-14.987	2.816	95.717	94.405	92.901	53380.0
-14.950	2.993	95.753	94.425	92.760	53400.0
-14.852	3.692	95.789	94.439	92.097	53420.0
-15.010	3.183	95.825	94.458	92.642	53440.0
-15.118	3.267	95.861	94.480	92.594	53460.0
-15.205	2.794	95.897	94.549	93.103	53480.0
-15.334	3.375	95.933	94.613	92.558	53500.0
-15.501	3.354	95.969	94.678	92.615	53520.0
-15.628	3.311	96.005	94.703	92.694	53540.0
-15.731	2.746	96.041	94.747	93.295	53560.0
-15.713	3.945	96.077	94.810	92.132	53580.0
-15.604	2.769	96.113	94.850	93.344	53600.0
-15.389	3.619	96.149	94.902	92.530	53620.0
-15.201	2.444	96.185	94.937	93.741	53640.0
-15.068	3.175	96.221	94.973	93.046	53660.0
-14.983	2.286	96.257	95.020	93.971	53680.0
-14.937	2.000	96.293	95.077	94.293	53700.0
-14.825	1.957	96.293	95.135	94.326	53720.0
-14.817	3.737	96.293	95.171	92.556	53740.0
-14.822	4.237	96.293	95.200	92.056	53760.0
-14.934	6.363	96.293	95.230	89.930	53780.0
-14.944	6.022	96.293	95.220	90.271	53800.0
-14.957	6.247	96.293	95.203	90.046	53820.0
-14.972	4.151	96.293	95.166	92.142	53840.0
-14.972	4.151	96.293	95.116	92.142	53860.0
-14.999	3.037	96.286	95.064	93.249	53880.0
-15.002	2.640	96.272	95.002	93.632	53900.0
-15.006	2.444	96.258	94.940	93.814	53920.0
-15.042	2.683	96.244	94.927	93.561	53940.0
-15.114	2.682	96.230	94.929	93.548	53960.0
-15.167	3.140	96.216	94.891	93.076	53980.0
-15.191	3.942	96.202	94.809	92.260	54000.0
-15.211	3.940	96.188	94.727	92.248	54020.0
-15.165	3.653	96.174	94.683	92.521	54040.0
-15.030	3.541	96.160	94.661	92.619	54060.0
-14.869	3.685	96.146	94.635	92.461	54080.0
-14.839	4.262	96.132	94.622	91.870	54100.0
-14.888	4.272	96.118	94.643	91.846	54120.0
-15.008	2.856	96.104	94.685	93.248	54140.0
-15.131	4.436	96.090	94.718	91.654	54160.0
-15.181	3.347	96.076	94.772	92.729	54180.0
-15.249	3.025	96.062	94.799	93.037	54200.0
-15.295	3.617	96.048	94.823	92.431	54220.0
-15.315	3.651	96.034	94.838	92.383	54240.0
-15.320	3.435	96.020	94.887	92.585	54260.0
-15.264	3.024	96.006	94.937	92.982	54280.0
-15.166	3.481	95.992	94.980	92.511	54300.0
-15.166	3.467	95.978	95.055	92.511	54320.0
-14.894	1.595	95.964	95.096	94.369	54340.0
-14.728	2.037	95.950	95.066	93.913	54360.0
-14.673	2.339	95.936	95.057	92.57[illegible]	54380.0
-14.624	2.441	95.922	95.103	93.45[illegible]	54400.0

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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- TS=Tangent to Spiral
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- CS=Curve to Spiral
- ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

केमीफेटेड 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

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

PLAN & PROFILE
(Km 53.200 to Km 54.400)

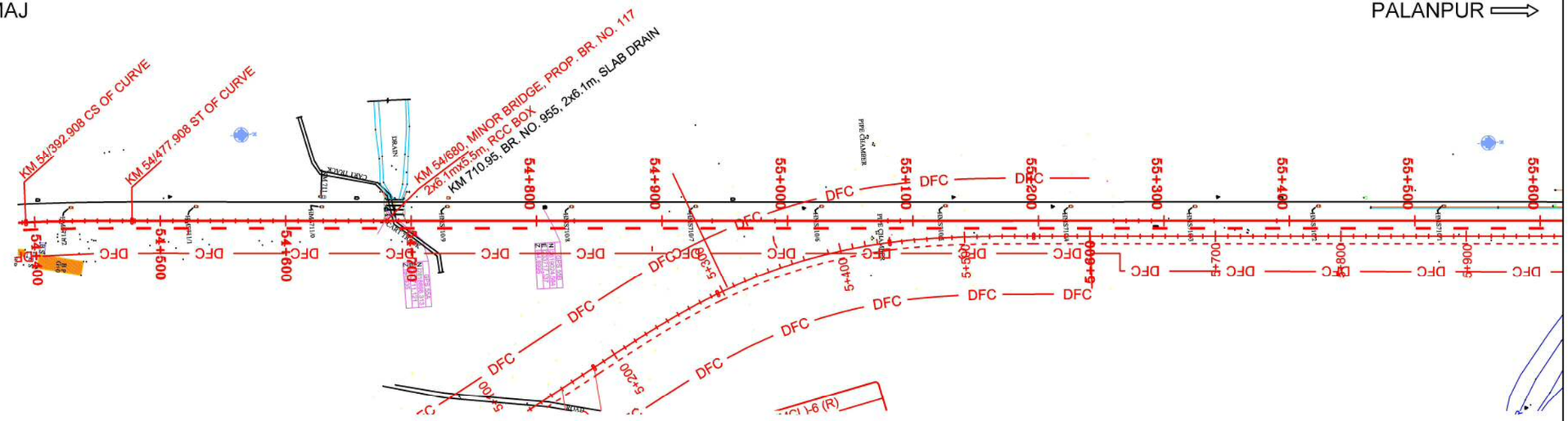
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

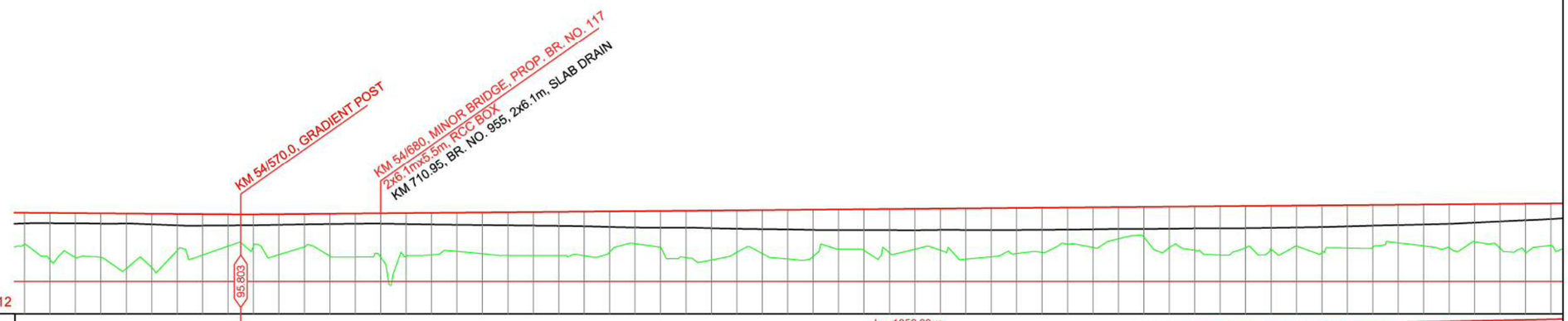
CHAINAGE	CH-54400 TO CH-55600
SECTOR- 8 N	

V-2-5-217

⇦ WAMAJ

PALANPUR ⇨





LEVEL DATUM 112

Vertical Alignment: L = 1050.00 m; G= 0.083%

Horizontal Alignment: L=85m; L=2308.09m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
54400.0	-14.624	2.441	95.922	95.103	93.481
54420.0	-14.613	3.640	95.908	95.116	92.288
54440.0	-14.790	3.470	95.894	95.106	92.424
54460.0	-15.000	3.439	95.880	95.083	92.441
54480.0	-15.444	4.274	95.866	95.087	91.592
54500.0	-15.494	4.201	95.852	95.019	91.651
54520.0	-15.477	2.835	95.838	94.940	93.003
54540.0	-15.461	3.190	95.824	94.924	92.634
54560.0	-15.434	2.482	95.810	94.939	93.328
54580.0	-15.405	2.471	95.811	94.957	93.340
54600.0	-15.073	3.163	95.828	94.993	92.665
54620.0	-15.044	2.565	95.845	95.029	93.280
54640.0	-15.035	3.310	95.861	95.055	92.551
54660.0	-15.044	3.398	95.878	95.078	92.480
54680.0	-15.047	3.437	95.895	95.084	92.458
54700.0	-15.039	3.365	95.911	95.053	92.546
54720.0	-15.031	3.284	95.928	95.021	92.644
54720.0	-15.031	3.301	95.845	94.995	92.644
54760.0	-15.037	3.234	95.861	94.972	92.727
54780.0	-15.036	3.385	95.978	94.949	92.593
54800.0	-15.019	3.411	95.995	94.928	92.584
54820.0	-15.002	3.429	96.011	94.907	92.582
54840.0	-15.001	3.453	96.028	94.868	92.575
54860.0	-15.006	3.173	96.045	94.823	92.872
54880.0	-15.003	2.542	96.061	94.779	93.519
54900.0	-15.009	2.832	96.078	94.762	93.246
54920.0	-15.030	3.661	96.095	94.761	92.434
54940.0	-15.033	3.859	96.111	94.724	92.252
54960.0	-15.043	3.283	96.128	94.683	92.845
54980.0	-15.052	3.389	96.145	94.651	92.756
55000.0	-15.060	3.840	96.161	94.624	92.321
55020.0	-15.069	3.643	96.178	94.584	92.535
55040.0	-15.085	3.113	96.195	94.583	93.082
55060.0	-15.064	3.244	96.211	94.584	92.997
55080.0	-15.022	3.422	96.228	94.579	92.806
55080.0	-15.022	3.439	96.245	94.569	92.806
55100.0	-15.004	3.254	96.261	94.592	93.007
55120.0	-15.015	3.974	96.278	94.585	92.304
55140.0	-15.024	3.803	96.295	94.584	92.492
55160.0	-15.021	3.558	96.311	94.590	92.753
55180.0	-15.010	3.485	96.328	94.599	92.843
55200.0	-15.011	2.869	96.345	94.612	93.476
55220.0	-15.040	3.140	96.361	94.636	93.221
55240.0	-15.072	2.480	96.378	94.660	93.898
55260.0	-15.077	2.369	96.395	94.671	94.026
55280.0	-15.094	3.197	96.411	94.679	93.214
55300.0	-15.114	3.423	96.428	94.708	93.005
55320.0	-15.126	3.806	96.445	94.718	92.639
55340.0	-15.136	3.250	96.461	94.727	93.211
55360.0	-15.148	3.402	96.478	94.748	93.076
55380.0	-15.152	3.176	96.495	94.787	93.319
55400.0	-15.152	3.192	96.511	94.815	93.319
55420.0	-15.165	3.349	96.528	94.875	93.179
55440.0	-15.191	3.309	96.545	94.936	93.236
55460.0	-15.183	2.975	96.561	94.974	93.586
55480.0	-15.164	3.236	96.578	95.017	93.342
55500.0	-15.142	3.392	96.595	95.065	93.203
55520.0	-15.117	2.947	96.611	95.158	93.664
55540.0	-15.084	3.499	96.628	95.254	93.159
55560.0	-15.061	3.801	96.645	95.348	92.844
55580.0	-15.041	3.277	96.661	95.446	93.384
55600.0					

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

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

PLAN & PROFILE
(Km 54.400 to Km 55.600)

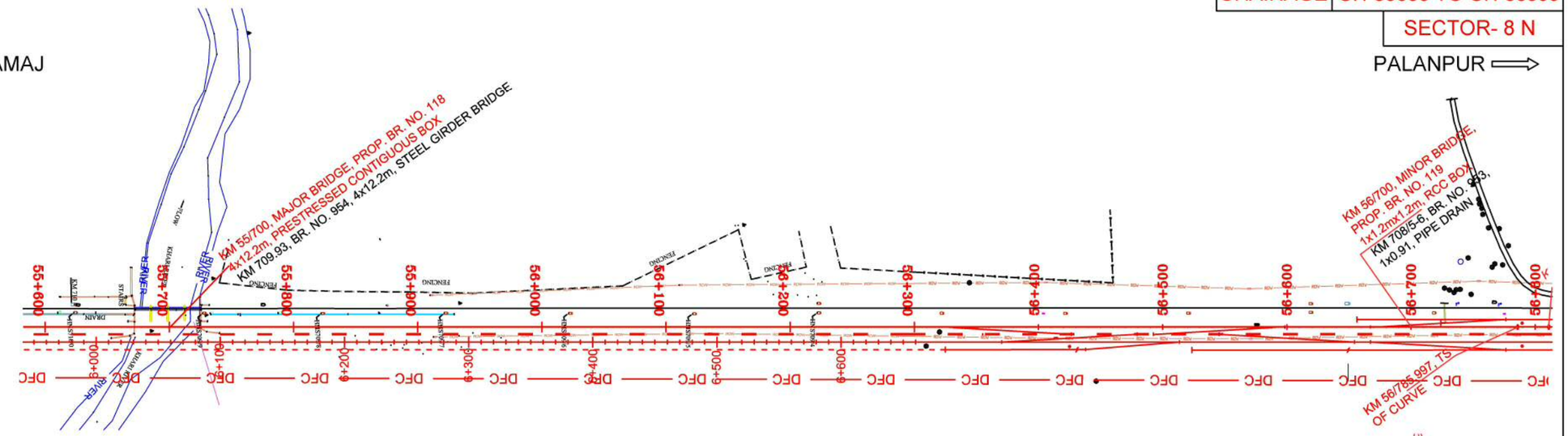
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

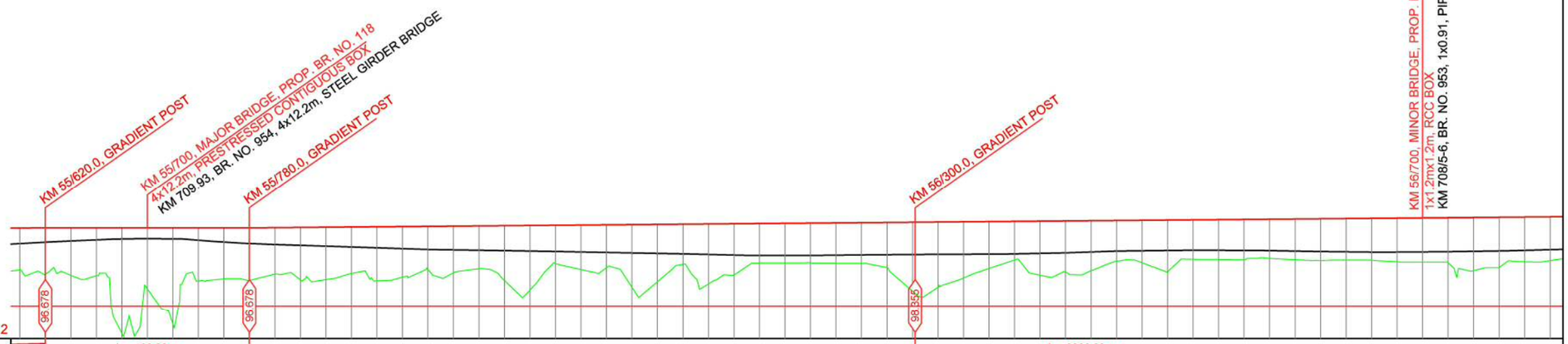
CHAINAGE	CH-55600 TO CH-56800
SECTOR- 8 N	

V-2-5-218

⟸ WAMAJ

PALANPUR ⟹





Vertical Alignment	L = 160.00 m, G= 0.000%	L = 520.00 m, G= 0.3225%	L = 3320.00 m, G= 0.0458%
Horizontal Alignment	L=2308.09m		L=2

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
55600.0	-15.041	3.277	96.661	95.446	93.384
55620.0	-15.003	3.642	96.678	95.554	93.036
55640.0	-14.875	3.743	96.678	95.654	92.965
55660.0	-14.984	3.726	96.678	95.741	92.952
55680.0	-15.001	8.292	96.678	95.603	88.386
55700.0	-15.003	4.767	96.678	95.816	91.901
55720.0	-15.027	7.544	96.678	95.805	89.134
55740.0	-15.066	4.150	96.678	95.699	92.528
55760.0	-15.412	3.995	96.678	95.563	92.693
55780.0	-15.453	4.107	96.678	95.452	92.571
55800.0	-15.481	3.680	96.742	95.372	93.062
55820.0	-15.472	4.197	96.807	95.299	92.610
55840.0	-15.441	4.237	96.871	95.241	92.634
55860.0	-15.441	3.818	96.936	95.177	93.118
55880.0	-15.481	4.462	97.000	95.111	92.538
55900.0	-15.221	4.243	97.065	95.046	92.822
55920.0	-15.269	3.697	97.129	94.980	93.432
55940.0	-15.275	4.023	97.194	94.949	93.171
55940.0	-15.275	4.087	97.258	94.920	93.171
55980.0	-15.279	4.767	97.323	94.892	92.556
56000.0	-15.295	5.557	97.387	94.863	91.830
56020.0	-15.310	3.555	97.452	94.835	93.897
56040.0	-15.316	4.093	97.516	94.791	93.423
56060.0	-15.320	4.006	97.581	94.747	93.575
56080.0	-15.336	5.611	97.645	94.711	92.034
56100.0	-15.362	5.232	97.710	94.678	92.478
56120.0	-15.385	3.939	97.774	94.644	93.835
56140.0	-15.396	5.529	97.839	94.597	92.310
56160.0	-15.403	4.908	97.903	94.549	92.995
56180.0	-15.420	4.046	97.968	94.523	93.922
56200.0	-15.442	4.100	98.032	94.524	93.932
56220.0	-15.456	4.159	98.097	94.525	93.938
56240.0	-15.437	4.244	98.161	94.542	93.917
56260.0	-15.404	4.331	98.226	94.560	93.895
56280.0	-15.399	4.723	98.290	94.577	93.567
56300.0	-15.424	6.620	98.355	94.594	91.735
56320.0	-15.449	6.321	98.364	94.611	92.043
56340.0	-15.438	5.608	98.373	94.617	92.765
56360.0	-15.418	4.882	98.383	94.623	93.501
56380.0	-15.431	4.226	98.392	94.646	94.166
56400.0	-15.484	5.417	98.401	94.688	92.984
56420.0	-15.619	5.193	98.410	94.730	93.217
56440.0	-15.499	5.092	98.419	94.796	93.327
56460.0	-15.467	4.330	98.428	94.862	94.098
56480.0	-15.457	4.490	98.438	94.884	93.948
56500.0	-15.456	5.201	98.447	94.906	93.246
56520.0	-15.464	4.243	98.456	94.926	94.213
56540.0	-15.483	4.271	98.465	94.920	94.194
56560.0	-15.508	4.300	98.474	94.913	94.174
56580.0	-15.626	4.198	98.483	94.894	94.285
56600.0	-15.538	4.311	98.493	94.862	94.182
56620.0	-15.646	4.379	98.502	94.830	94.123
56640.0	-15.652	4.355	98.511	94.807	94.156
56660.0	-15.656	4.379	98.520	94.783	94.141
56680.0	-15.660	4.507	98.529	94.786	94.022
56700.0	-15.563	4.535	98.538	94.797	94.003
56720.0	-15.563	4.606	98.548	94.812	93.942
56740.0	-15.563	4.615	98.557	94.844	93.942
56760.0	-15.557	4.975	98.566	94.875	93.591
56780.0	-15.533	4.551	98.575	94.919	94.024
56800.0	-15.508	4.472	98.584	94.965	94.112

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

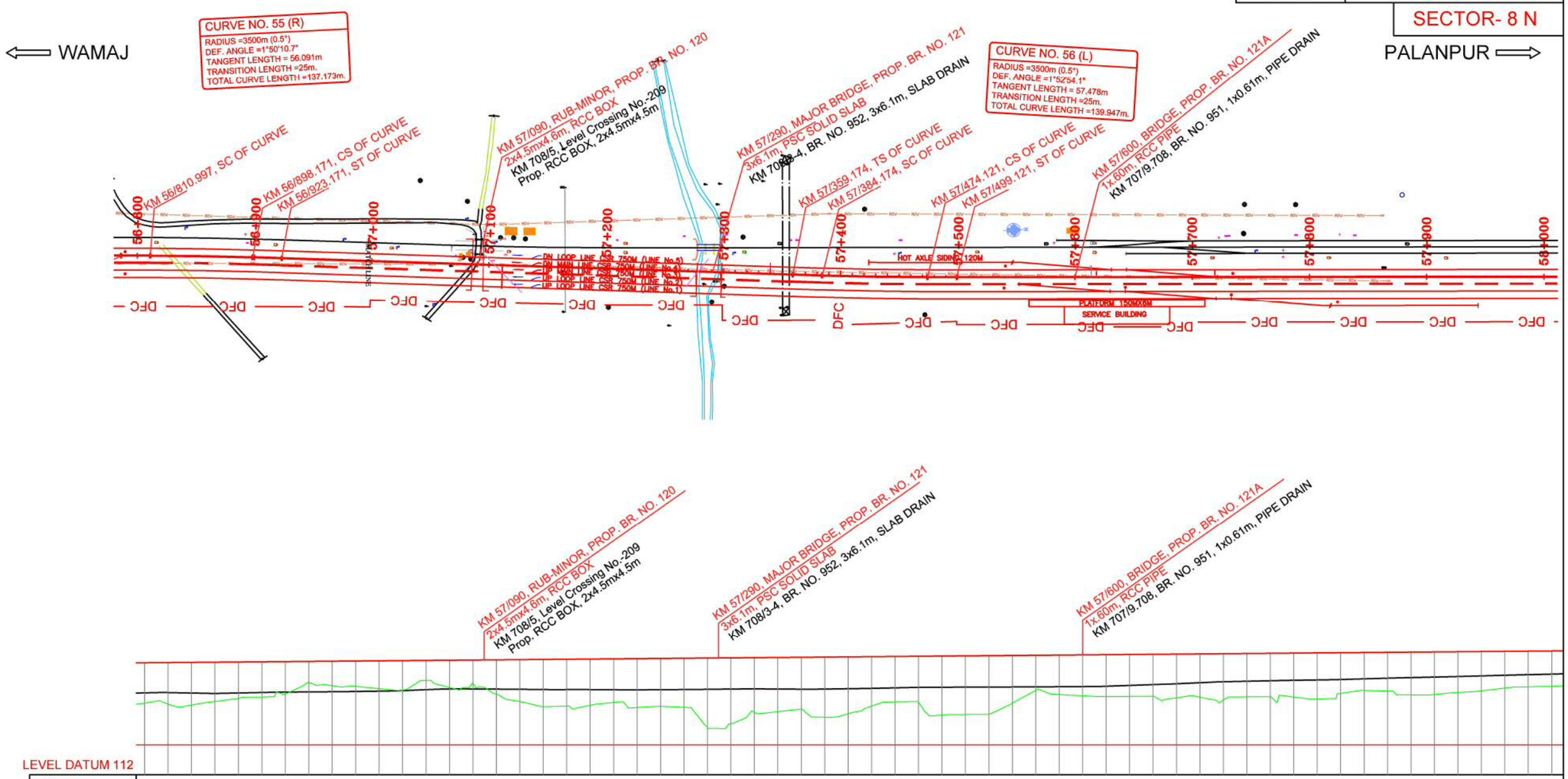
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 55.600 to Km 56.800)

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-56800 TO CH-58000
SECTOR- 8 N	

V-2-5-219



LEVEL DATUM 112

Vertical Alignment: L = 3320.00 m, G= 0.0458%

Horizontal Alignment: L=25m, R= 3500m, L=137.174m, L=25m, L=436.003m, L=25m, R= 3500m, L=139.946m, L=25m, L=1443.954m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
56800.0	-15.608	4.472	98.584	94.966	94.112
56820.0	-15.468	4.563	98.593	94.990	94.030
56840.0	-15.451	4.666	98.603	94.953	93.937
56860.0	-15.466	4.364	98.612	94.921	94.248
56880.0	-15.495	4.118	98.621	94.960	94.503
56900.0	-15.653	4.008	98.630	94.999	94.622
56920.0	-15.643	3.766	98.639	95.035	94.873
56940.0	-15.720	2.818	98.648	95.054	95.830
56960.0	-15.753	3.081	98.658	95.072	95.577
56980.0	-15.751	3.140	98.667	95.096	95.527
57000.0	-15.707	3.346	98.676	95.123	95.330
57020.0	-15.673	3.507	98.685	95.164	95.178
57040.0	-15.663	2.680	98.694	95.242	96.014
57060.0	-15.652	3.278	98.703	95.297	95.425
57080.0	-15.736	2.953	98.713	95.295	95.760
57100.0	-15.846	3.831	98.722	95.285	94.891
57120.0	-16.045	4.493	98.731	95.272	94.238
57140.0	-16.295	4.938	98.740	95.248	93.802
57160.0	-16.665	4.893	98.749	95.249	93.856
57180.0	-16.879	4.837	98.758	95.248	93.921
57200.0	-17.266	4.612	98.768	95.232	94.156
57200.0	-17.266	4.621	98.777	95.224	94.156
57240.0	-18.164	4.951	98.786	95.240	93.835
57260.0	-18.664	5.048	98.795	95.256	93.747
57280.0	-19.167	6.768	98.804	95.273	92.036
57300.0	-19.680	6.454	98.813	95.291	92.359
57320.0	-20.198	5.501	98.823	95.303	93.322
57340.0	-20.718	5.455	98.832	95.294	93.377
57360.0	-21.242	5.248	98.841	95.286	93.593
57380.0	-21.777	5.938	98.850	95.296	92.912
57400.0	-22.314	5.645	98.859	95.320	93.214
57420.0	-22.840	5.011	98.868	95.348	93.857
57440.0	-23.344	4.671	98.878	95.390	94.207
57460.0	-23.843	4.702	98.887	95.431	94.185
57480.0	-24.322	5.806	98.896	95.446	93.090
57500.0	-24.734	5.763	98.905	95.455	93.142
57500.0	-24.734	5.772	98.914	95.465	93.142
57540.0	-25.223	4.821	98.923	95.475	94.102
57560.0	-25.304	3.745	98.933	95.485	95.188
57580.0	-25.320	4.110	98.942	95.498	94.832
57600.0	-25.316	4.225	98.951	95.511	94.726
57620.0	-25.833	4.304	98.960	95.542	94.656
57640.0	-25.630	4.306	98.969	95.611	94.663
57660.0	-25.605	4.297	98.978	95.680	94.681
57680.0	-25.085	4.433	98.988	95.751	94.555
57700.0	-23.437	4.391	98.997	95.833	94.606
57720.0	-21.442	4.645	99.006	95.907	94.361
57740.0	-20.192	4.388	99.015	95.954	94.627
57760.0	-20.223	4.388	99.024	96.001	94.636
57780.0	-20.055	4.413	99.033	96.040	94.620
57800.0	-20.060	4.600	99.043	96.072	94.443
57820.0	-20.075	4.124	99.052	96.108	94.928
57840.0	-20.079	3.888	99.061	96.160	95.173
57860.0	-20.085	3.946	99.070	96.211	95.124
57880.0	-20.081	4.272	99.079	96.261	94.807
57900.0	-20.068	4.247	99.088	96.311	94.841
57920.0	-20.064	4.091	99.098	96.361	95.007
57940.0	-20.076	3.962	99.107	96.412	95.145
57960.0	-20.090	3.743	99.116	96.463	95.373
57980.0	-20.100	3.640	99.125	96.513	95.455
58000.0	-20.103	3.602	99.134	96.562	95.562

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 56.800 to Km 58.000)

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

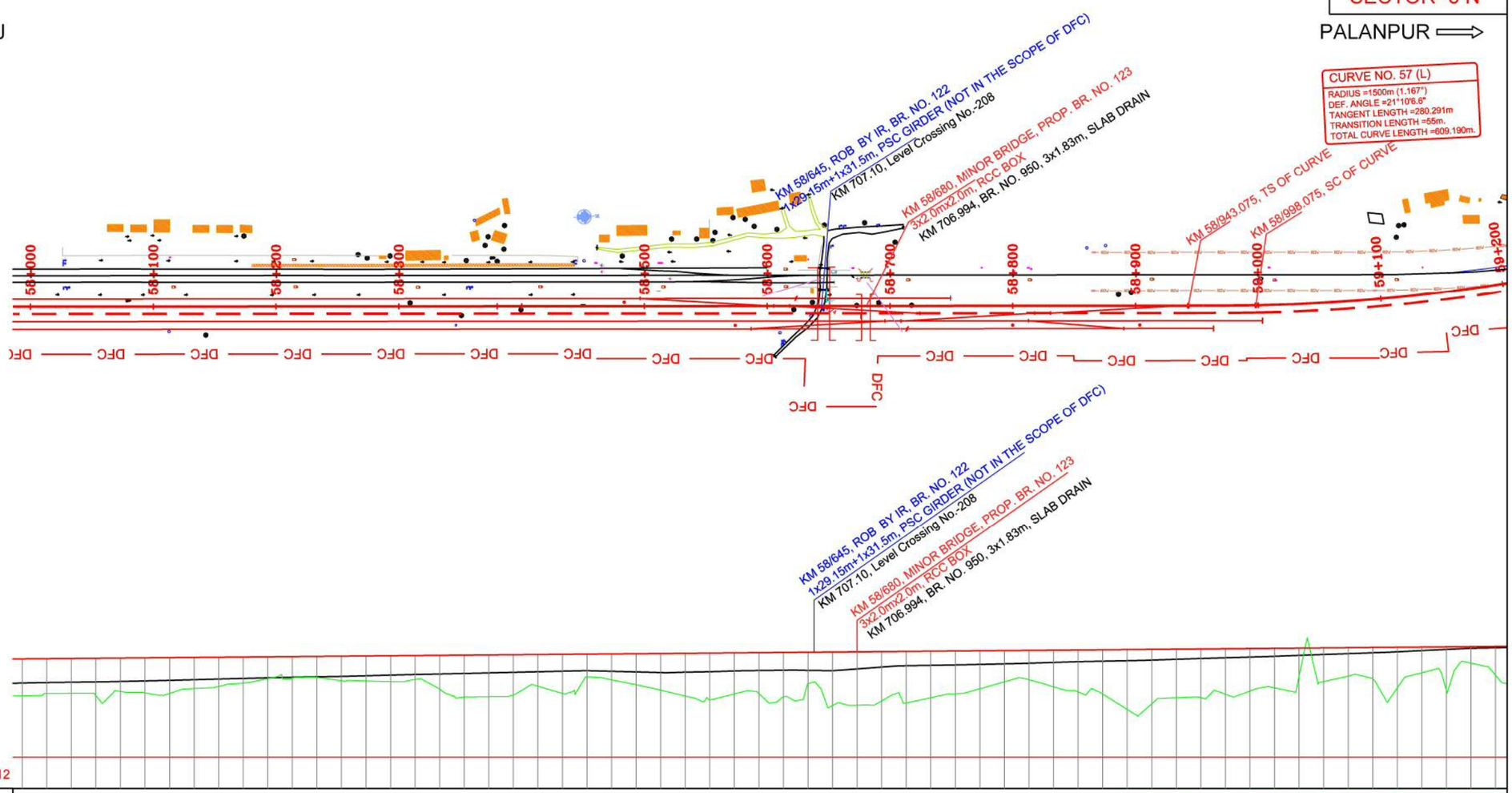
CHAINAGE	CH-58000 TO CH-59200
SECTOR- 8 N	

V-2-5-220

⟸ WAMAJ

PALANPUR ⟹

CURVE NO. 57 (L)
RADIUS =1500m (1.167°)
DEF. ANGLE =21°10'6.6"
TANGENT LENGTH =280.291m
TRANSITION LENGTH =55m.
TOTAL CURVE LENGTH =609.190m.



LEVEL DATUM 112

Vertical Alignment

Horizontal Alignment: L=1443.954m; L=55m; R= 1500m, L=609.190m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-20.403	3.602	99.134	96.562	95.532	58000.0
-20.421	3.425	99.144	96.606	95.719	58020.0
-20.475	3.425	99.153	96.633	95.728	58040.0
-20.222	3.631	99.162	96.661	95.531	58060.0
-20.205	3.284	99.171	96.696	95.887	58080.0
-20.143	3.413	99.180	96.734	95.767	58100.0
-20.093	3.460	99.189	96.777	95.729	58120.0
-20.065	3.075	99.199	96.831	96.124	58140.0
-20.044	2.917	99.208	96.885	96.291	58160.0
-20.031	2.657	99.217	96.936	96.580	58180.0
-20.024	2.310	99.226	96.985	96.916	58200.0
-20.007	2.304	99.235	97.031	96.931	58220.0
-19.966	2.222	99.244	97.070	97.022	58240.0
-19.936	2.511	99.254	97.109	96.743	58260.0
-19.948	2.524	99.263	97.159	96.739	58280.0
-19.984	2.595	99.272	97.210	96.677	58300.0
-20.009	2.429	99.281	97.258	96.852	58320.0
-20.013	3.224	99.290	97.299	96.066	58340.0
-20.016	3.874	99.299	97.339	95.425	58360.0
-20.041	3.850	99.309	97.385	95.459	58380.0
-20.088	3.713	99.318	97.435	95.605	58400.0
-20.099	3.018	99.327	97.484	96.309	58420.0
-20.056	3.611	99.336	97.529	95.725	58440.0
-20.015	2.282	99.345	97.566	97.063	58460.0
-19.994	2.530	99.354	97.515	96.824	58480.0
-19.992	2.943	99.364	97.463	96.421	58500.0
-20.018	3.379	99.373	97.409	95.994	58520.0
-20.196	3.861	99.382	97.450	95.521	58540.0
-20.899	4.178	99.391	97.487	95.213	58560.0
-22.096	3.711	99.400	97.542	95.689	58580.0
-23.759	3.715	99.409	97.570	95.694	58600.0
-24.872	3.968	99.419	97.593	95.451	58620.0
-25.346	2.925	99.428	97.579	96.503	58640.0
-25.366	4.688	99.437	97.569	94.749	58660.0
-25.384	4.672	99.446	97.712	94.774	58680.0
-25.395	4.331	99.455	97.855	95.124	58700.0
-25.395	4.340	99.464	97.959	95.124	58700.0
-25.381	4.069	99.474	97.992	95.385	58740.0
-25.372	3.783	99.483	98.025	95.700	58760.0
-25.393	3.382	99.492	98.067	96.110	58780.0
-25.433	2.832	99.501	98.111	96.669	58800.0
-25.455	2.668	99.510	98.163	96.842	58820.0
-25.458	3.252	99.519	98.225	96.267	58840.0
-25.456	3.685	99.529	98.285	95.844	58860.0
-25.457	3.851	99.538	98.325	95.687	58880.0
-25.454	5.124	99.547	98.365	94.423	58900.0
-25.442	4.662	99.556	98.417	94.894	58920.0
-25.415	4.191	99.565	98.485	95.374	58940.0
-25.370	4.194	99.574	98.553	95.380	58960.0
-25.259	3.923	99.584	98.611	95.661	58980.0
-24.995	3.675	99.593	98.666	95.918	59000.0
-24.471	3.423	99.602	98.730	96.179	59020.0
-23.647	2.471	99.611	98.805	97.140	59040.0
-22.681	2.932	99.620	98.880	96.888	59060.0
-21.253	2.503	99.629	98.947	97.126	59080.0
-19.714	2.742	99.639	99.014	96.897	59100.0
-18.100	3.458	99.648	99.097	96.190	59120.0
-16.897	2.261	99.657	99.156	97.396	59140.0
-14.697	3.733	99.666	99.239	95.933	59160.0
-13.045	1.501	99.675	99.374	98.[illegible]	59180.0
-13.045	1.510	99.684	99.419	98.[illegible]	59200.0

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 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

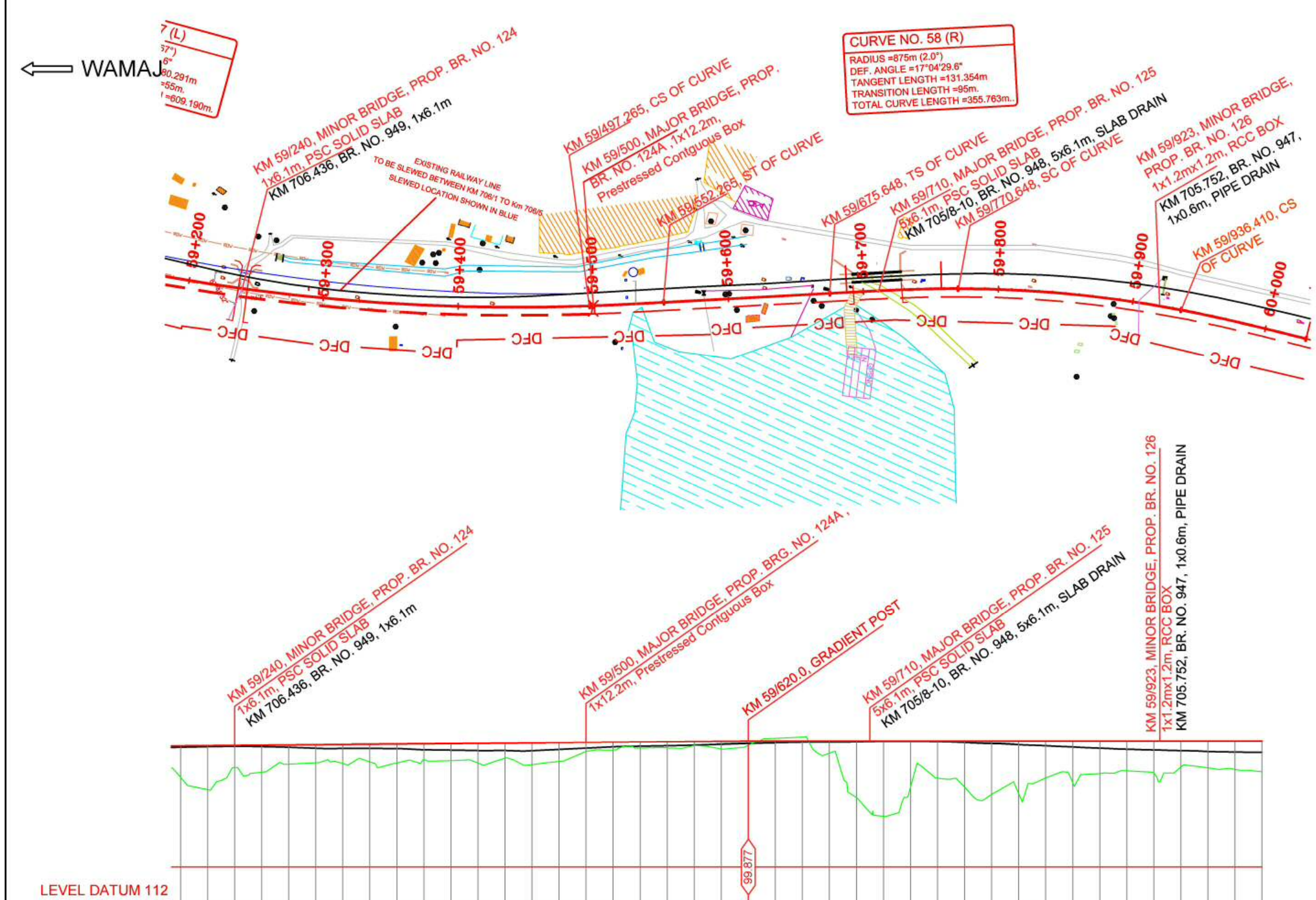
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 58.000 to Km 59.200)

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-59200 TO CH-60000
	SECTOR- 8 N

V-2-5-221



Vertical Alignment: L = 3320.00 m, G= 0.0458% | L = , G= 0.0%

Horizontal Alignment: R= 1500m, L=609.190m | L=55m | L=123.181m | L=95m | R= 875m, L=355.761m | L=95m

Chainage	59200.0	59220.0	59240.0	59260.0	59280.0	59300.0	59320.0	59340.0	59360.0	59380.0	59400.0	59420.0	59440.0	59460.0
Distance between Existing Track & Proposed Track	-13.045	-10.204	-9.041	-8.110	-7.324	-6.766	-6.460	-6.264	-6.219	-6.356	-6.625	-7.064	-7.607	-8.208
Cut/Fill	1.510	3.412	1.788	2.141	1.556	1.467	1.528	1.406	1.505	1.278	1.346	1.539	1.192	1.668
Proposed Formation Levels	99.684	99.694	99.703	99.712	99.721	99.730	99.739	99.749	99.758	99.767	99.776	99.785	99.794	99.804
Existing Formation Levels	99.419	99.464	99.482	99.455	99.406	99.341	99.338	99.327	99.309	99.234	99.204	99.166	99.164	99.191
Ground levels	98.174	96.282	97.915	97.571	98.165	98.263	98.211	98.343	98.253	98.489	98.430	98.246	98.602	98.136

Chainage	59480.0	59500.0	59520.0	59540.0	59560.0	59580.0	59600.0	59620.0	59640.0	59660.0	59680.0	59700.0	59720.0	59740.0
Distance between Existing Track & Proposed Track	-8.791	-9.283	-9.614	-9.839	-10.042	-10.073	-9.887	-9.887	-9.772	-9.931	-10.058	-10.135	-10.205	-10.325
Cut/Fill	1.446	0.699	0.616	0.483	0.470	0.308	0.586	0.595	-0.287	-0.285	0.895	4.189	5.567	3.372
Proposed Formation Levels	99.813	99.822	99.831	99.840	99.849	99.859	99.868	99.877	99.877	99.877	99.877	99.877	99.877	99.877
Existing Formation Levels	99.286	99.380	99.472	99.505	99.539	99.593	99.659	99.725	99.760	99.790	99.796	99.826	99.850	99.848
Ground levels	98.367	99.123	99.215	99.357	99.379	99.551	99.282	99.282	100.084	100.162	98.982	95.688	94.310	96.505

Chainage	59760.0	59780.0	59800.0	59820.0	59840.0	59860.0	59880.0	59900.0	59920.0	59940.0	59960.0	59980.0	60000.0
Distance between Existing Track & Proposed Track	-10.574	-10.844	-11.389	-11.815	-12.232	-12.586	-12.818	-13.231	-13.518	-13.806	-14.119	-14.490	-14.785
Cut/Fill	2.749	3.408	3.948	3.889	2.729	3.099	2.397	2.201	2.366	1.915	1.985	2.089	2.263
Proposed Formation Levels	99.877	99.877	99.877	99.877	99.877	99.877	99.877	99.877	99.877	99.877	99.877	99.877	99.877
Existing Formation Levels	99.817	99.752	99.689	99.600	99.518	99.430	99.339	99.273	99.221	99.169	99.103	99.067	99.053
Ground levels	97.128	96.469	95.929	95.988	97.148	96.778	97.480	97.676	97.511	97.962	97.892	97.788	97.614

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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CS=Curve to Spiral
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DFCC NEW DELHI
CONSORTIUM NJPI

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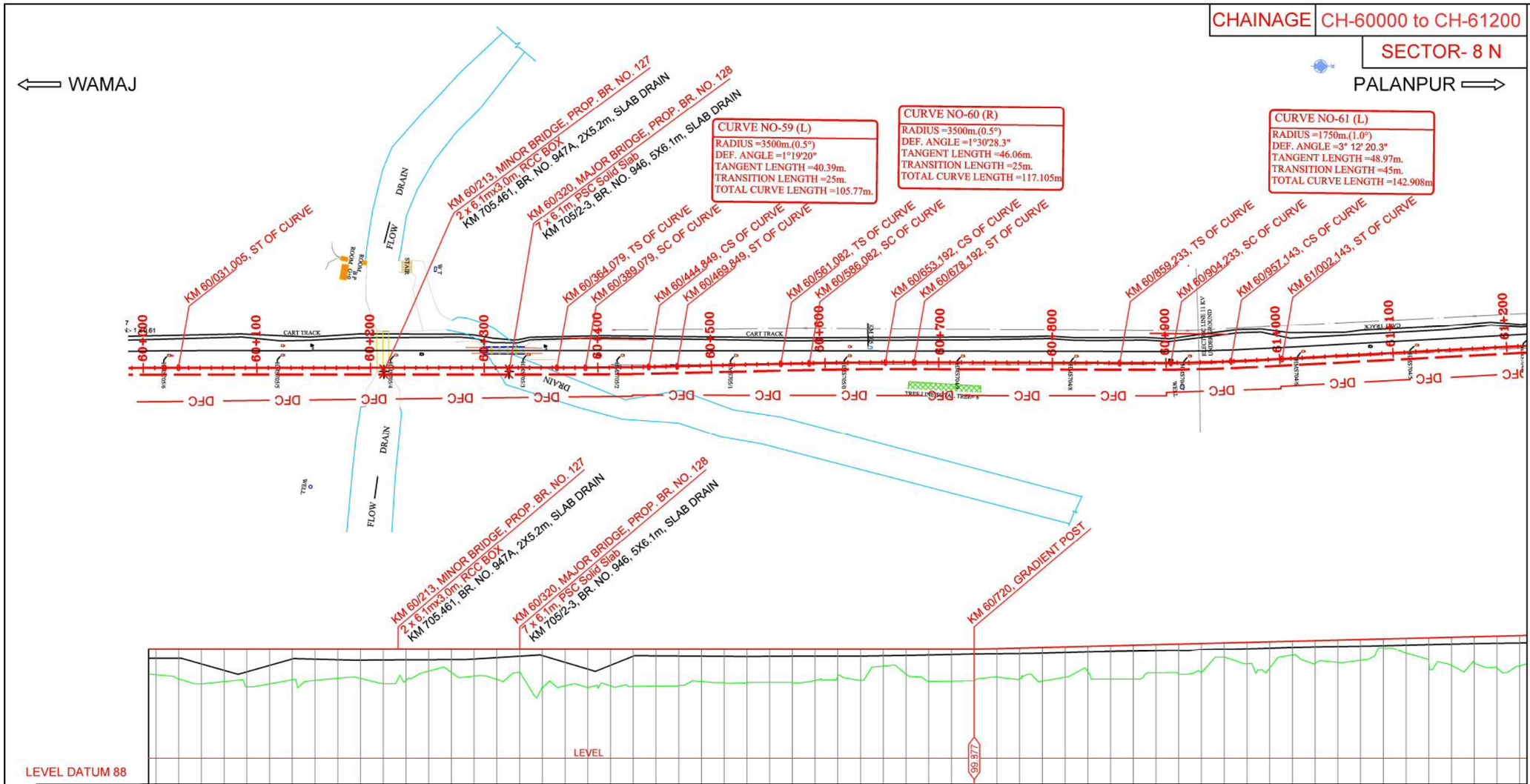
DETAILED PROJECT REPORT
WAMAJ TO MEHSANA-PALANPUR FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 59.200 to Km 60.000)

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-60000 to CH-61200
SECTOR- 8 N	

V-2-5-222



LEVEL DATUM 88

Vertical Alignment: L = 1100.00 m; G= 0.000%

Horizontal Alignment: L=333.074m; L=25m R=3500m L=25m TCL=105.770m; L=91.236m; L=25m R=3500m L=25m TCL=117.105; L=181.045m; L=45m R=1750.0m L=45m TCL=142.908m; L=384.629m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
60000.0	-14.785	2.263	99.877	99.053	97.614
60020.0	-15.037	2.681	99.877	99.052	97.196
60040.0	-15.170	3.067	99.877	98.515	96.810
60060.0	-15.190	2.869	99.877	97.949	97.008
60080.0	-15.166	3.342	99.877	97.886	96.535
60100.0	-15.072	3.070	99.877	98.449	96.807
60120.0	-15.000	2.716	99.877	99.013	97.161
60140.0	-15.032	2.770	99.877	98.962	97.107
60160.0	-15.111	2.583	99.877	98.910	97.294
60180.0	-15.153	2.591	99.877	98.882	97.286
60200.0	-15.150	3.051	99.877	98.898	96.826
60220.0	-15.139	2.768	99.877	98.915	97.109
60240.0	-15.138	1.948	99.877	98.922	97.929
60260.0	-15.138	2.073	99.877	98.929	97.804
60280.0	-15.128	2.397	99.877	98.986	97.480
60300.0	-15.105	2.680	99.877	99.108	97.197
60320.0	-15.079	2.053	99.877	99.230	97.824
60340.0	-15.062	3.411	99.877	99.240	96.466
60360.0	-15.063	3.233	99.877	99.240	96.644
60380.0	-15.041	3.386	99.877	99.240	96.491
60400.0	-14.931	3.253	99.877	99.240	96.624
60420.0	-14.704	3.294	99.877	99.269	96.583
60440.0	-14.371	3.273	99.877	99.255	96.604
60460.0	-13.946	3.230	99.877	99.242	96.647
60480.0	-13.470	2.858	99.877	99.228	97.019
60500.0	-12.985	2.982	99.877	99.214	96.895
60520.0	-12.497	2.958	99.877	99.202	96.919
60540.0	-12.004	2.945	99.877	99.214	96.932
60560.0	-11.508	2.961	99.877	99.227	96.916
60580.0	-11.033	2.765	99.877	99.233	97.112
60600.0	-10.626	2.387	99.877	99.236	97.490
60620.0	-10.320	2.770	99.877	99.239	97.107
60640.0	-10.114	1.521	99.877	98.268	98.356
60660.0	-10.008	2.223	99.877	98.298	97.654
60680.0	-9.983	2.843	99.877	99.332	97.034
60700.0	-9.997	2.833	99.877	99.372	97.044
60720.0	-10.011	2.800	99.877	99.412	97.077
60740.0	-10.011	2.850	99.927	99.433	97.077
60760.0	-10.009	2.732	99.977	99.454	97.245
60780.0	-10.023	2.978	100.027	99.493	97.049
60800.0	-10.055	2.698	100.077	99.547	97.379
60820.0	-10.076	2.271	100.127	99.600	97.856
60840.0	-10.052	2.959	100.177	99.637	97.218
60860.0	-10.029	3.010	100.227	99.675	97.217
60880.0	-10.054	2.504	100.277	99.716	97.773
60900.0	-10.066	2.674	100.327	99.735	97.653
60920.0	-10.059	2.560	100.377	99.834	97.817
60940.0	-10.025	1.299	100.427	99.852	99.128
60960.0	-9.977	1.913	100.477	99.889	98.564
60980.0	-10.008	2.320	100.527	99.949	98.207
61000.0	-9.984	1.238	100.577	100.012	99.339
61020.0	-9.956	2.028	100.627	100.062	98.599
61040.0	-9.963	1.994	100.677	100.094	98.683
61060.0	-9.992	1.854	100.727	100.126	98.873
61080.0	-10.017	0.816	100.777	100.171	99.961
61100.0	-10.046	1.329	100.827	100.220	99.498
61120.0	-10.072	2.221	100.877	100.268	98.656
61140.0	-10.095	2.501	100.937	100.306	98.426
61160.0	-10.115	2.314	100.977	100.347	98.663
61180.0	-10.130	2.839	101.027	100.380	98.188
61200.0	-10.140	2.688	101.077	100.411	98.389

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
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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

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

PLAN & PROFILE
(Km 60.000 to Km 61.200)

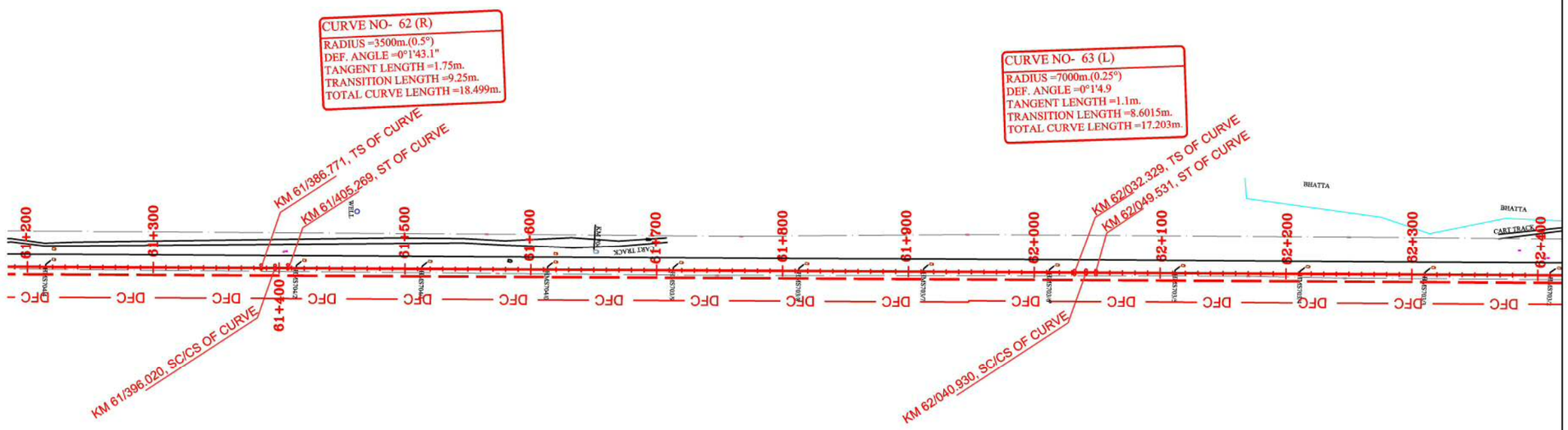
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

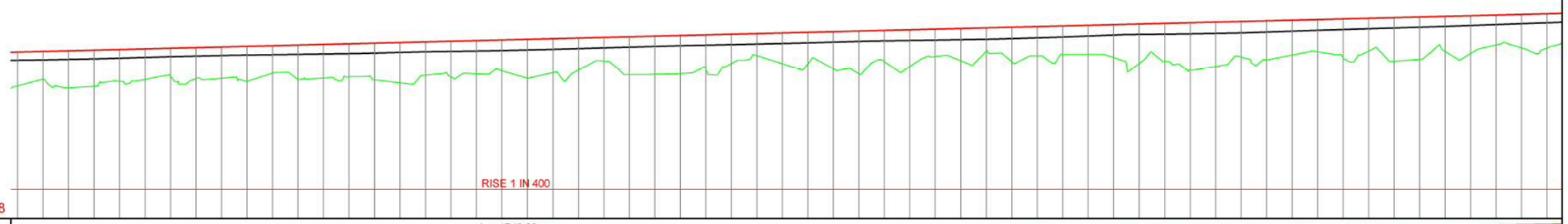
CHAINAGE	CH-61200 to CH-62400
SECTOR- 8 N	

V-2-5-223

⟸ WAMAJ

PALANPUR ⟹





LEVEL DATUM 88

Vertical Alignment: L = 1740.00 m, G= 0.250%

Horizontal Alignment: L=384.629m; R=3500.0m, TCL=18.499m; L=627.06m; R=7000.0m, TCL=17.203m; L=590.739m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
61200.0	-10.140	2.688	101.077	100.411	99.389
61220.0	-10.143	2.189	101.127	100.443	99.938
61240.0	-10.138	2.940	101.177	100.488	98.237
61260.0	-10.124	2.875	101.227	100.532	98.352
61280.0	-10.100	2.532	101.277	100.584	98.745
61300.0	-10.063	2.420	101.327	100.640	98.907
61320.0	-10.032	2.226	101.377	100.695	99.151
61340.0	-10.016	2.465	101.427	100.742	98.962
61360.0	-10.005	2.490	101.477	100.789	98.987
61380.0	-9.991	2.784	101.527	100.825	98.743
61400.0	-9.972	2.192	101.577	100.856	99.385
61420.0	-9.963	2.737	101.627	100.886	98.890
61440.0	-9.953	2.678	101.677	100.916	98.999
61460.0	-9.946	2.631	101.727	100.946	99.096
61480.0	-9.945	2.917	101.777	100.990	98.860
61500.0	-9.946	3.195	101.827	101.038	98.632
61520.0	-9.951	2.643	101.877	101.084	99.234
61540.0	-9.962	2.843	101.927	101.113	99.084
61560.0	-9.975	2.630	101.977	101.142	99.347
61580.0	-9.985	2.444	102.027	101.186	99.583
61600.0	-9.993	3.101	102.077	101.235	98.976
61620.0	-10.001	2.694	102.127	101.286	99.433
61640.0	-10.006	2.535	102.177	101.342	99.642
61660.0	-10.011	1.879	102.227	101.399	100.348
61680.0	-10.014	3.006	102.277	101.456	99.271
61700.0	-10.017	3.029	102.327	101.512	99.298
61720.0	-10.019	3.022	102.377	101.566	99.355
61740.0	-10.020	2.747	102.427	101.607	99.680
61760.0	-10.020	2.326	102.477	101.648	100.151
61780.0	-10.019	1.750	102.527	101.692	100.777
61800.0	-10.017	2.444	102.577	101.736	100.133
61820.0	-10.019	2.488	102.627	101.782	100.139
61840.0	-10.028	2.947	102.677	101.840	99.730
61860.0	-10.041	3.386	102.727	101.898	99.341
61880.0	-10.041	3.436	102.777	101.943	99.341
61900.0	-10.080	2.906	102.827	101.975	99.921
61920.0	-10.099	2.163	102.877	102.006	100.714
61940.0	-10.112	2.561	102.927	102.038	100.366
61960.0	-10.122	1.853	102.977	102.070	101.124
61980.0	-10.128	2.738	103.027	102.123	100.289
62000.0	-10.132	2.322	103.077	102.184	100.755
62020.0	-10.131	2.246	103.127	102.249	100.881
62040.0	-10.119	2.297	103.177	102.326	100.880
62060.0	-10.113	2.599	103.227	102.404	100.628
62080.0	-10.133	3.125	103.277	102.449	100.152
62100.0	-10.161	3.026	103.327	102.474	100.301
62120.0	-10.163	3.745	103.377	102.503	99.632
62140.0	-10.104	3.504	103.427	102.541	99.923
62160.0	-10.041	2.816	103.477	102.578	100.661
62180.0	-10.027	3.080	103.527	102.646	100.447
62200.0	-10.035	2.745	103.577	102.714	100.832
62220.0	-10.039	2.537	103.627	102.779	101.090
62240.0	-10.033	3.100	103.677	102.840	100.577
62260.0	-10.025	2.574	103.727	102.900	101.153
62280.0	-10.017	3.440	103.777	102.960	100.337
62300.0	-10.008	3.331	103.827	103.020	100.495
62320.0	-9.998	2.761	103.877	103.083	101.116
62340.0	-9.983	2.978	103.927	103.155	100.949
62360.0	-9.971	2.361	103.977	103.227	101.615
62380.0	-9.971	2.635	104.027	103.297	101.392
62400.0	-9.978	2.693	104.077	103.366	101.384

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

एडीफेटेड 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
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DETAILED PROJECT REPORT

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

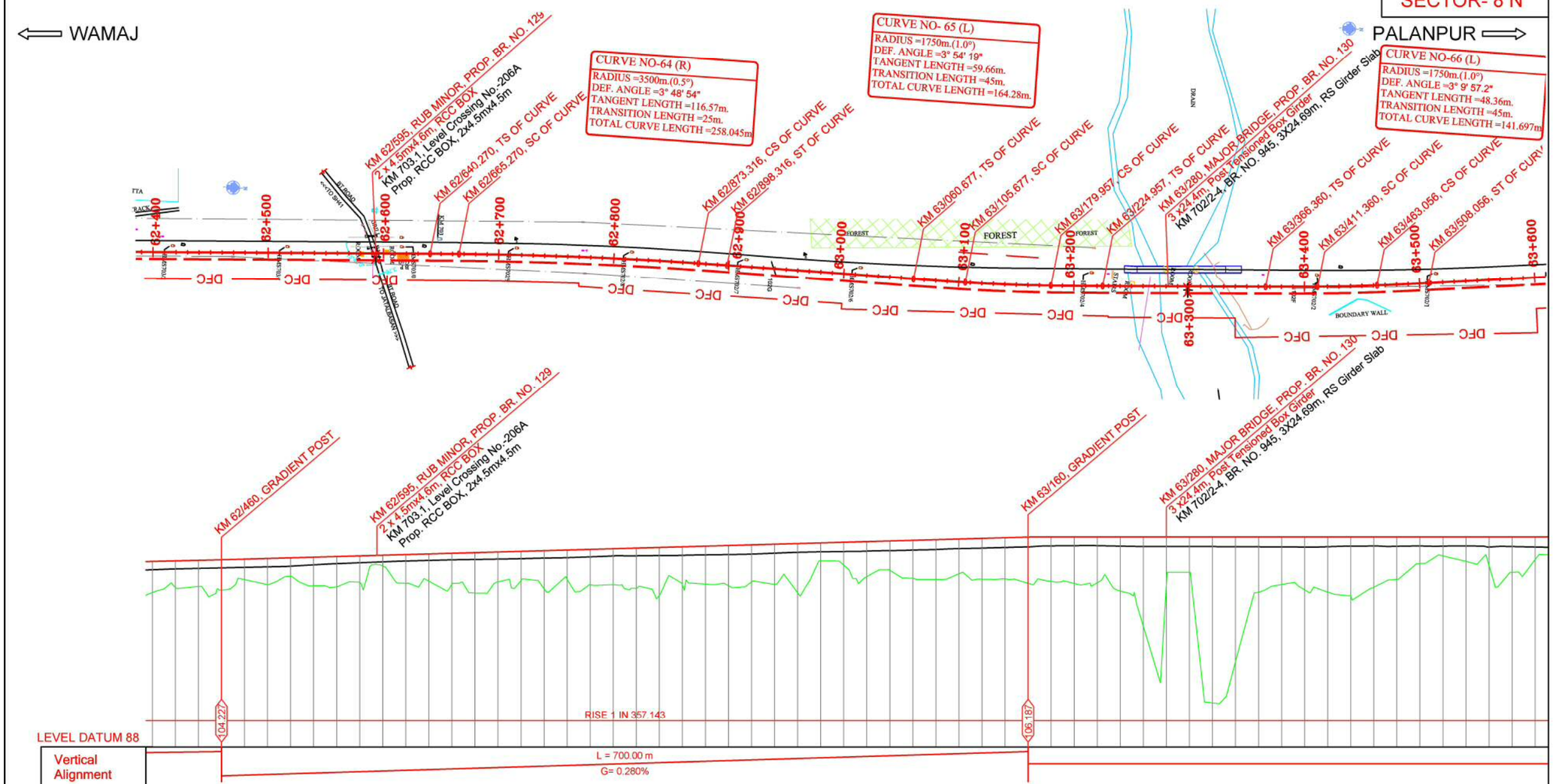
PLAN & PROFILE
(Km 61.200 to Km 62.400)

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-62400 to CH-63600

SECTOR- 8 N

V-2-5-224



Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
62400.0	-9.978	2.696	104.077	103.366	101.381
62420.0	-9.981	2.302	104.127	103.430	101.825
62440.0	-9.974	2.273	104.177	103.477	101.904
62460.0	-9.965	2.629	104.227	103.524	101.598
62480.0	-9.955	1.785	104.283	103.565	102.498
62500.0	-9.942	2.269	104.339	103.604	102.070
62520.0	-9.949	1.621	104.395	103.667	102.774
62540.0	-9.987	2.497	104.451	103.784	101.954
62560.0	-10.015	2.637	104.507	103.886	101.870
62580.0	-10.025	2.334	104.563	103.962	102.229
62580.0	-10.025	2.390	104.619	104.039	102.229
62620.0	-9.990	2.500	104.675	104.108	102.175
62640.0	-9.946	2.370	104.731	104.165	102.361
62660.0	-9.893	2.658	104.787	104.218	102.129
62680.0	-9.876	3.500	104.843	104.246	101.343
62700.0	-9.920	2.597	104.899	104.274	102.302
62720.0	-9.993	2.518	104.955	104.317	102.437
62740.0	-10.093	3.312	105.011	104.370	101.699
62760.0	-10.194	2.548	105.067	104.410	102.519
62780.0	-10.272	3.051	105.123	104.473	102.072
62800.0	-10.330	3.117	105.179	104.554	102.062
62820.0	-10.356	3.490	105.235	104.564	101.745
62840.0	-10.326	4.138	105.291	104.587	101.153
62860.0	-10.274	3.316	105.347	104.610	102.031
62880.0	-10.210	3.294	105.403	104.648	102.109
62900.0	-10.199	3.494	105.459	104.672	101.965
62920.0	-10.124	3.211	105.515	104.719	102.304
62940.0	-9.992	3.490	105.571	104.797	102.081
62960.0	-9.993	4.268	105.627	104.858	101.359
62980.0	-10.075	1.564	105.683	104.906	104.119
63000.0	-10.253	1.987	105.739	104.933	103.752
63020.0	-10.553	3.044	105.795	104.967	102.751
63040.0	-10.989	2.545	105.851	105.014	103.306
63060.0	-11.587	3.296	105.907	105.059	102.611
63080.0	-12.264	3.458	105.963	105.111	102.505
63100.0	-12.989	3.013	106.019	105.182	103.006
63120.0	-13.648	3.542	106.075	105.227	102.533
63140.0	-14.194	3.580	106.131	105.281	102.551
63160.0	-14.631	4.013	106.187	105.340	102.174
63180.0	-14.842	3.834	106.187	105.418	102.353
63200.0	-14.943	4.013	106.187	105.435	102.174
63220.0	-14.945	3.958	106.187	105.430	102.229
63240.0	-14.908	4.679	106.187	105.390	101.508
63260.0	-14.877	7.780	106.187	105.360	98.407
63280.0	-14.856	4.025	106.187	105.362	102.162
63300.0	-14.832	3.054	106.187	105.364	103.133
63320.0	-14.793	14.345	106.187	105.358	91.842
63340.0	-14.746	10.770	106.187	105.353	95.417
63360.0	-14.687	4.775	106.187	105.342	101.412
63380.0	-14.596	4.114	106.187	105.331	102.073
63400.0	-14.455	4.579	106.187	105.320	101.608
63420.0	-14.225	4.767	106.187	105.353	101.420
63440.0	-13.857	5.081	106.187	105.394	101.106
63460.0	-13.402	4.348	106.187	105.407	101.839
63480.0	-12.882	3.662	106.187	105.395	102.525
63500.0	-12.353	2.298	106.187	105.411	103.889
63520.0	-11.837	1.627	106.187	105.410	104.560
63540.0	-11.570	2.116	106.187	105.411	104.071
63560.0	-11.256	2.493	106.187	105.341	103.694
63580.0	-11.190	3.049	106.187	105.369	103.[illegible]
63600.0	-11.074	1.945	106.187	105.319	104.[illegible]

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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CS=Curve to Spiral
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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
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 62.400 to Km 63.600)

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

DFCC CONSORTIUM NJPL

CHAINAGE CH-63600 to CH-64800

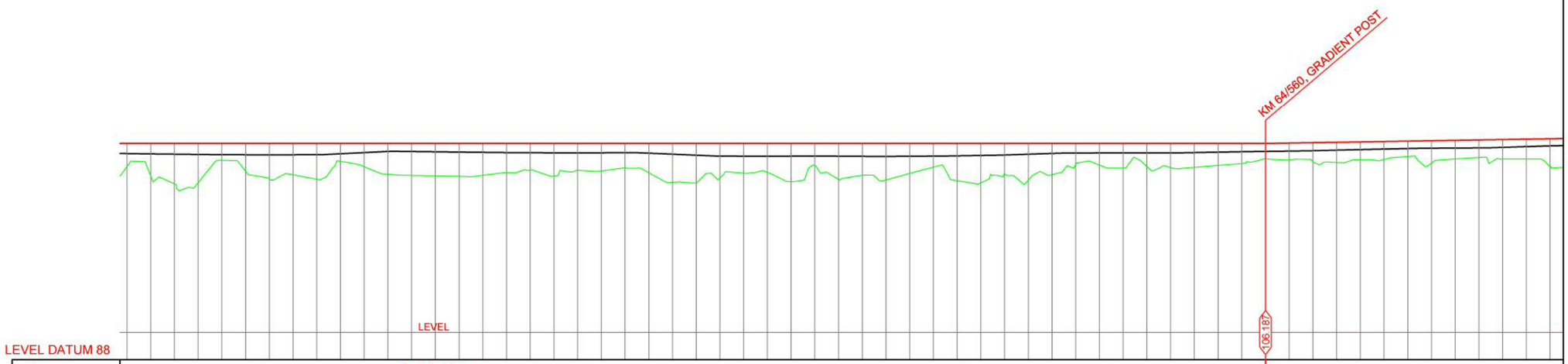
SECTOR- 8 N

V-2-5-225

⟸ WAMAJ

PALANPUR ⟹

CURVE NO-67 (R)
RADIUS =3500m.(0.5°)
DEF. ANGLE =3° 14' 39"
TANGENT LENGTH =99.11m.
TRANSITION LENGTH =25m.
TOTAL CURVE LENGTH =223.175m



LEVEL DATUM 88

Vertical Alignment	L = 1400.00 m; G= 0.000%
Horizontal Alignment	L=241.545m; L=25 m; R=3500 m; TCL=223.175m; L=25 m; L=2317.533m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
63600.0	-11.074	1.945	106.187	105.319	104.242
63620.0	-10.988	2.774	106.187	105.286	103.413
63640.0	-10.957	3.405	106.187	105.269	102.782
63660.0	-10.956	3.301	106.187	105.252	102.886
63680.0	-10.963	1.421	106.187	105.237	104.766
63700.0	-10.983	2.360	106.187	105.226	103.827
63720.0	-11.000	3.019	106.187	105.218	103.168
63740.0	-11.011	2.648	106.187	105.223	103.539
63760.0	-11.003	3.014	106.187	105.227	103.173
63780.0	-10.988	1.512	106.187	105.326	104.675
63800.0	-11.020	1.964	106.187	105.437	104.223
63820.0	-11.048	2.603	106.187	105.517	103.584
63840.0	-11.034	2.696	106.187	105.518	103.491
63860.0	-11.005	2.725	106.187	105.484	103.462
63880.0	-10.961	2.773	106.187	105.452	103.414
63900.0	-10.891	2.685	106.187	105.428	103.502
63920.0	-10.824	2.444	106.187	105.403	103.743
63940.0	-10.782	2.248	106.187	105.395	103.939
63960.0	-10.745	2.756	106.187	105.392	103.431
63980.0	-10.751	2.258	106.187	105.391	103.929
64000.0	-10.767	2.321	106.187	105.392	103.866
64020.0	-10.770	2.059	106.187	105.394	104.128
64040.0	-10.771	2.471	106.187	105.343	103.716
64060.0	-10.765	3.283	106.187	105.260	102.904
64080.0	-10.755	3.343	106.187	105.176	102.844
64100.0	-10.745	2.910	106.187	105.109	103.277
64120.0	-10.736	2.515	106.187	105.098	103.672
64140.0	-10.726	2.449	106.187	105.097	103.738
64160.0	-10.716	3.216	106.187	105.108	102.971
64180.0	-10.706	1.865	106.187	105.119	104.322
64200.0	-10.698	3.037	106.187	105.105	103.150
64220.0	-10.690	2.690	106.187	105.086	103.497
64240.0	-10.678	3.070	106.187	105.079	103.117
64260.0	-10.659	2.530	106.187	105.095	103.657
64280.0	-10.642	2.000	106.187	105.111	104.187
64300.0	-10.641	3.140	106.187	105.141	103.047
64320.0	-10.651	3.329	106.187	105.176	102.858
64340.0	-10.665	2.575	106.187	105.217	103.612
64360.0	-10.685	3.090	106.187	105.281	103.097
64380.0	-10.706	2.635	106.187	105.344	103.552
64400.0	-10.712	1.722	106.187	105.375	104.465
64420.0	-10.705	1.831	106.187	105.383	104.356
64440.0	-10.697	2.092	106.187	105.390	104.095
64460.0	-10.691	1.949	106.187	105.384	104.238
64480.0	-10.688	2.048	106.187	105.378	104.139
64500.0	-10.702	2.022	106.187	105.408	104.165
64520.0	-10.731	1.856	106.187	105.447	104.331
64540.0	-10.752	1.700	106.187	105.486	104.487
64560.0	-10.746	1.318	106.187	105.519	104.869
64580.0	-10.725	1.425	106.187	105.541	104.794
64600.0	-10.709	1.632	106.187	105.584	104.619
64620.0	-10.698	1.705	106.187	105.625	104.578
64640.0	-10.690	1.510	106.187	105.666	104.805
64660.0	-10.689	1.517	106.187	105.707	104.830
64680.0	-10.693	1.293	106.187	105.747	105.086
64700.0	-10.678	1.882	106.187	105.786	104.529
64720.0	-10.632	1.571	106.187	105.803	104.872
64740.0	-10.593	1.479	106.187	105.800	104.996
64760.0	-10.605	1.652	106.187	105.843	104.855
64780.0	-10.656	1.678	106.187	105.907	104.[illegible]
64800.0	-10.696	2.401	106.187	105.966	104.[illegible]

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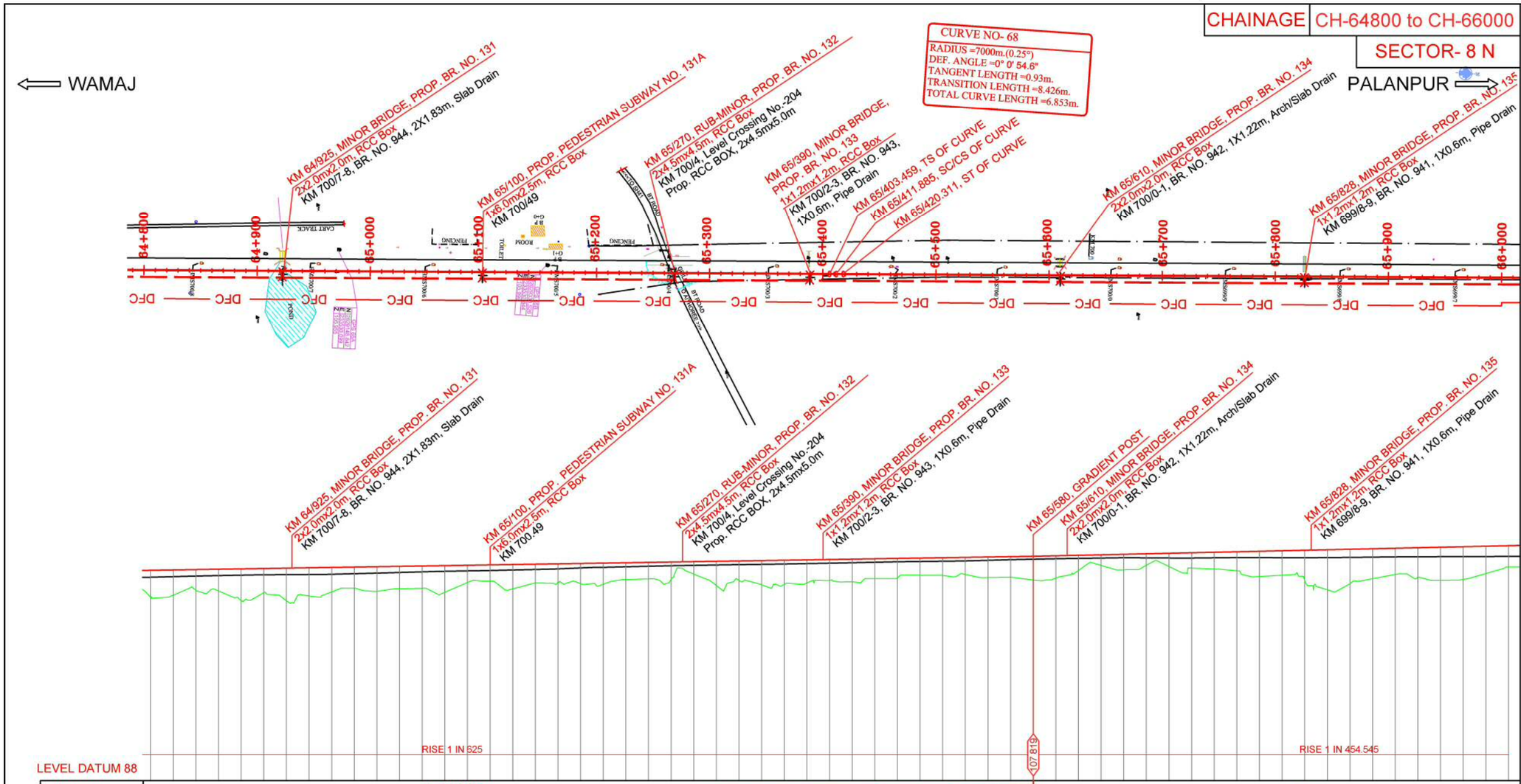
DETAILED PROJECT REPORT
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 63.600 to Km 64.800)

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-64800 to CH-66000
SECTOR- 8 N	

V-2-5-226



Vertical Alignment	L = 1020.00 m, G= 0.160% / L = 940.00 m, G= 0.220%
Horizontal Alignment	L=2317.533m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-10.696	2.401	106.571	105.968	104.170	64800.0
-10.708	2.230	106.603	106.020	104.373	64820.0
-10.713	1.832	106.635	106.072	104.803	64840.0
-10.725	1.924	106.667	106.113	104.743	64860.0
-10.743	2.792	106.699	106.148	103.907	64880.0
-10.752	2.139	106.731	106.176	104.592	64900.0
-10.747	2.875	106.763	106.189	103.888	64920.0
-10.735	2.485	106.795	106.203	104.310	64940.0
-10.721	2.158	106.827	106.233	104.669	64960.0
-10.699	1.868	106.859	106.282	104.991	64980.0
-10.686	2.181	106.891	106.332	104.710	65000.0
-10.699	1.982	106.923	106.388	104.941	65020.0
-10.724	1.964	106.955	106.445	104.991	65040.0
-10.738	2.357	106.987	106.493	104.630	65060.0
-10.740	1.528	107.019	106.526	105.491	65080.0
-10.743	1.440	107.051	106.562	105.611	65100.0
-10.751	2.155	107.083	106.608	104.928	65120.0
-10.761	1.655	107.115	106.653	105.460	65140.0
-10.774	1.624	107.147	106.709	105.523	65160.0
-10.789	1.792	107.179	106.791	105.387	65180.0
-10.805	1.870	107.211	106.832	105.341	65200.0
-10.820	1.492	107.243	106.878	105.751	65220.0
-10.836	1.456	107.275	106.925	105.819	65240.0
-10.853	1.507	107.307	106.969	105.800	65260.0
-10.871	1.107	107.339	107.006	106.232	65280.0
-10.889	2.156	107.371	107.043	105.215	65300.0
-10.908	1.720	107.403	107.071	105.683	65320.0
-10.927	2.143	107.435	107.095	105.292	65340.0
-10.947	2.135	107.467	107.122	105.332	65360.0
-10.967	2.044	107.499	107.160	105.455	65380.0
-10.988	1.850	107.531	107.198	105.681	65400.0
-11.006	1.997	107.563	107.237	105.566	65420.0
-11.022	1.763	107.595	107.278	105.832	65440.0
-11.037	1.720	107.627	107.317	105.907	65460.0
-11.050	1.528	107.659	107.341	106.131	65480.0
-11.061	1.570	107.691	107.364	106.121	65500.0
-11.071	1.518	107.723	107.394	106.205	65520.0
-11.076	1.824	107.755	107.451	105.931	65540.0
-11.081	1.828	107.787	107.507	105.959	65560.0
-11.092	2.114	107.819	107.552	105.705	65580.0
-11.092	2.158	107.863	107.597	105.705	65600.0
-11.111	1.344	107.907	107.623	106.563	65620.0
-11.116	0.949	107.951	107.649	107.002	65640.0
-11.119	1.377	107.995	107.673	106.618	65660.0
-11.119	1.030	108.039	107.659	107.009	65680.0
-11.117	1.182	108.083	107.645	106.901	65700.0
-11.116	1.367	108.127	107.646	106.760	65720.0
-11.116	1.496	108.171	107.673	106.675	65740.0
-11.117	1.688	108.215	107.699	106.527	65760.0
-11.118	2.235	108.259	107.692	106.024	65780.0
-11.121	2.168	108.303	107.685	106.135	65800.0
-11.124	2.688	108.347	107.680	105.659	65820.0
-11.126	3.541	108.391	107.691	104.850	65840.0
-11.128	3.036	108.435	107.702	105.399	65860.0
-11.126	2.644	108.479	107.729	105.835	65880.0
-11.122	2.324	108.523	107.758	106.199	65900.0
-11.112	2.581	108.567	107.770	105.986	65920.0
-11.096	2.924	108.611	107.774	105.687	65940.0
-11.080	2.894	108.655	107.777	105.761	65960.0
-11.071	2.419	108.699	107.783	106.280	65980.0
-11.065	1.873	108.743	107.790	106.870	66000.0

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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SC=Spiral to Curve
CS=Curve to Spiral
ST=Spiral to Tangent

DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

एजीसीएटेड 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

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

PLAN & PROFILE
(Km 64.800 to Km 66.000)

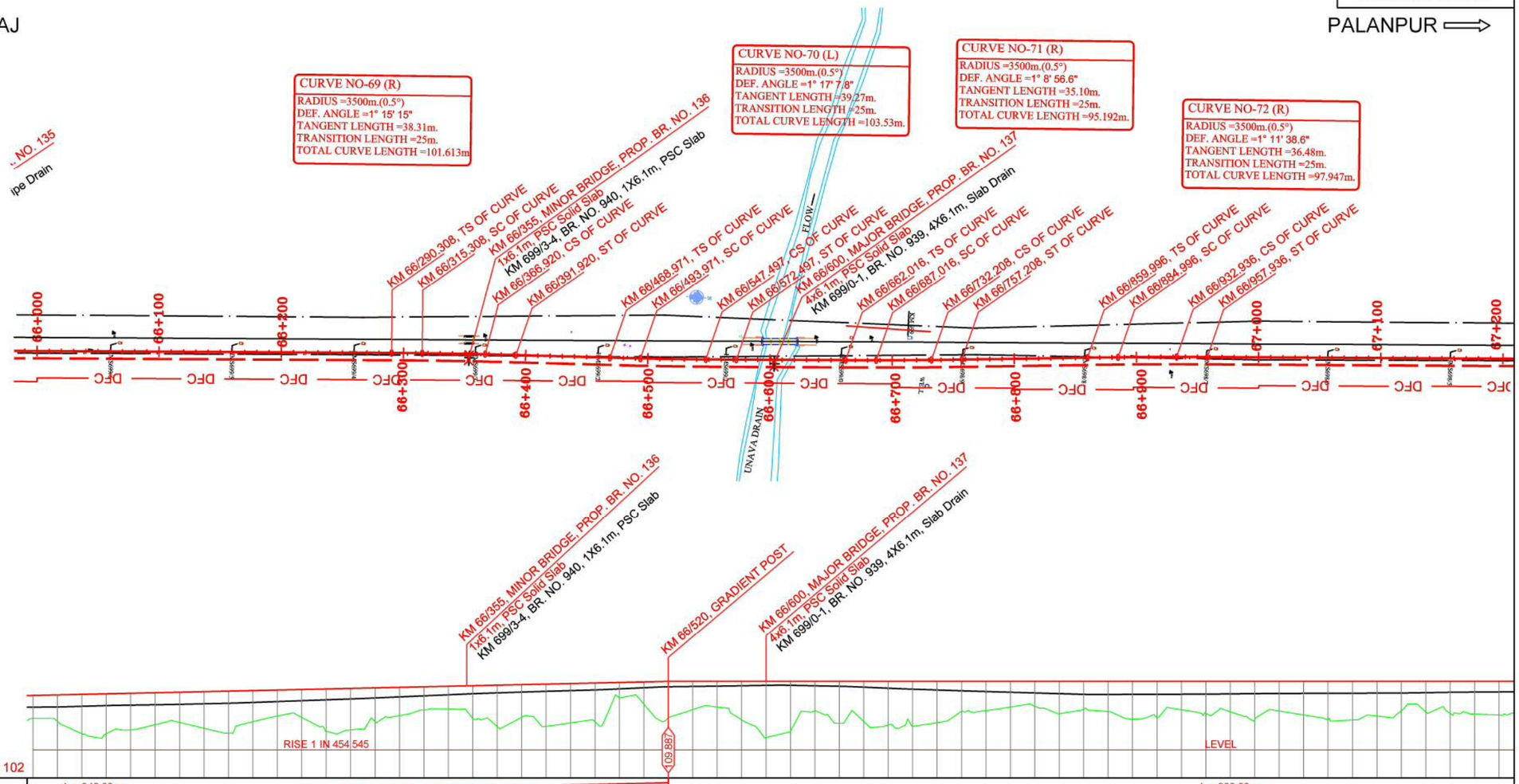
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-66000 to CH-67200
SECTOR- 8 N	

V-2-5-227

⇦ WAMAJ

PALANPUR ⇨



Vertical Alignment	L = 940.00 m, G= 0.220% / L = 920.00 m, G= 0.000%
Horizontal Alignment	L=2317.533 m; L=25 m, R=3500 m, L=25 m, TCL=101.613m; L=77.051m; L=25 m, R= 3500 m, L=25 m, TCL=103.530m; L=89.519m; L=25 m, R=3500 m, L=25 m, TCL=95.192m; L=102.788m; L=25 m, R=3500 m, L=25 m, TCL=97.947m; L=986.831m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-11.065	1.875	108.743	107.790	106.868	66000.0
-11.060	2.152	108.787	107.804	106.635	66020.0
-11.055	3.188	108.831	107.862	105.643	66040.0
-11.049	3.229	108.875	107.921	105.646	66060.0
-11.042	2.964	108.919	107.960	105.955	66080.0
-11.033	2.594	108.963	107.993	106.369	66100.0
-11.024	2.458	109.007	108.031	106.549	66120.0
-11.014	2.968	109.051	108.075	106.083	66140.0
-11.004	3.412	109.095	108.119	105.683	66160.0
-11.004	3.456	109.139	108.185	105.683	66180.0
-10.984	2.114	109.183	108.255	107.069	66200.0
-10.976	2.263	109.227	108.326	106.964	66220.0
-10.970	3.440	109.271	108.399	105.831	66240.0
-10.965	3.370	109.315	108.472	105.945	66260.0
-10.962	2.746	109.359	108.554	106.613	66280.0
-10.973	2.288	109.403	108.638	107.115	66300.0
-11.038	1.880	109.447	108.722	107.567	66320.0
-11.202	1.849	109.491	108.806	107.642	66340.0
-11.483	2.682	109.535	108.891	106.853	66360.0
-11.870	3.362	109.579	108.955	106.217	66380.0
-12.313	2.650	109.623	109.016	106.973	66400.0
-12.762	3.433	109.667	109.077	106.234	66420.0
-13.200	3.196	109.711	109.140	106.515	66440.0
-13.639	3.155	109.755	109.203	106.600	66460.0
-14.077	1.234	109.799	109.287	108.565	66480.0
-14.469	1.817	109.843	109.376	108.026	66500.0
-14.759	2.957	109.887	109.449	106.930	66520.0
-14.926	2.295	109.887	109.477	107.592	66540.0
-14.990	2.079	109.887	109.505	107.808	66560.0
-15.000	3.119	109.887	109.536	106.768	66580.0
-14.996	4.558	109.887	109.568	105.329	66600.0
-14.989	4.034	109.887	109.565	105.853	66620.0
-14.977	2.383	109.887	109.528	107.504	66640.0
-14.966	3.408	109.887	109.491	106.479	66660.0
-14.941	3.270	109.887	109.410	106.617	66680.0
-14.853	3.546	109.887	109.322	106.341	66700.0
-14.648	3.653	109.887	109.243	106.234	66720.0
-14.321	3.350	109.887	109.175	106.537	66740.0
-13.924	2.428	109.887	109.107	107.459	66760.0
-13.514	2.375	109.887	109.048	107.512	66780.0
-13.108	2.079	109.887	108.991	107.808	66800.0
-12.712	2.016	109.887	108.934	107.871	66820.0
-12.330	2.633	109.887	108.880	107.254	66840.0
-11.954	2.255	109.887	108.826	107.632	66860.0
-11.600	2.456	109.887	108.824	107.431	66880.0
-11.317	3.062	109.887	108.829	106.825	66900.0
-11.124	2.947	109.887	108.834	106.940	66920.0
-11.006	2.299	109.887	108.842	107.588	66940.0
-10.953	2.599	109.887	108.849	107.288	66960.0
-10.953	2.599	109.887	108.872	107.288	66980.0
-10.972	3.111	109.887	108.895	106.776	67000.0
-10.974	2.403	109.887	108.910	107.484	67020.0
-10.956	2.726	109.887	108.915	107.161	67040.0
-10.938	3.109	109.887	108.920	106.778	67060.0
-10.942	3.142	109.887	108.924	106.745	67080.0
-10.957	2.817	109.887	108.929	107.070	67100.0
-10.966	2.385	109.887	108.936	107.502	67120.0
-10.954	2.484	109.887	108.968	107.403	67140.0
-10.942	2.610	109.887	109.000	107.277	67160.0
-10.946	2.661	109.887	109.013	107.226	67180.0
-10.960	2.721	109.887	109.025	107.165	67200.0

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

एडीफेटेड 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

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

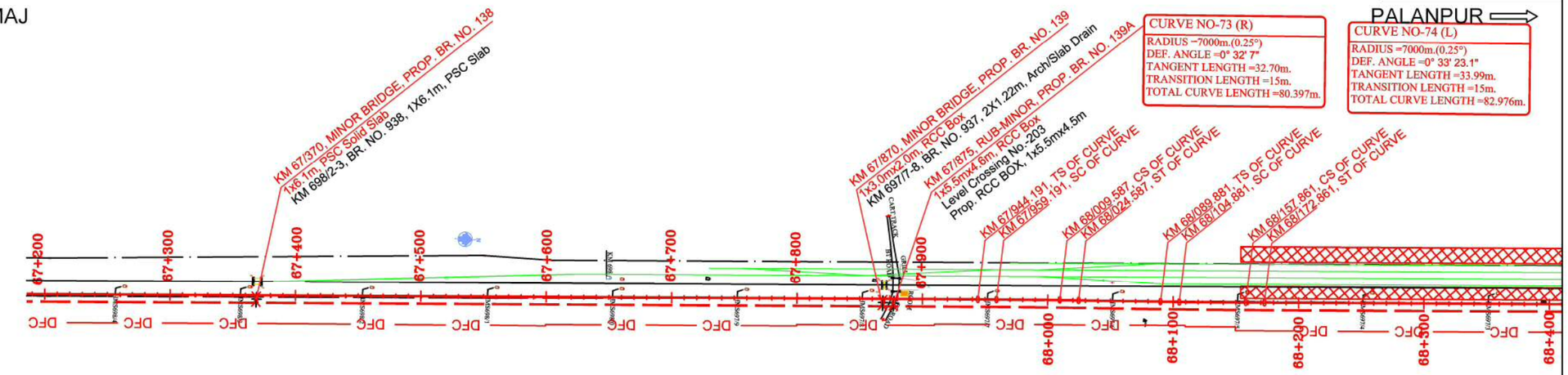
PLAN & PROFILE
(Km 66.600 to Km 67.200)

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-67200 to CH-68400
SECTOR- 8 N	

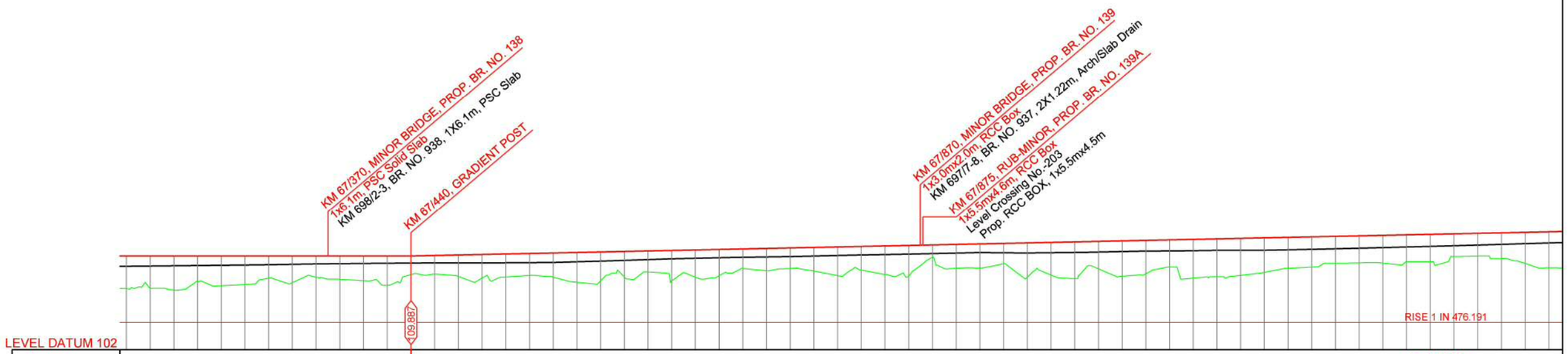
V-2-5-228

WAMAJ ⟸ ⟹ PALANPUR



CURVE NO-73 (R)
RADIUS =7000m.(0.25°)
DEF. ANGLE =0° 32' 7"
TANGENT LENGTH =32.70m.
TRANSITION LENGTH =15m.
TOTAL CURVE LENGTH =80.397m.

CURVE NO-74 (L)
RADIUS =7000m.(0.25°)
DEF. ANGLE =0° 33' 23.1"
TANGENT LENGTH =33.99m.
TRANSITION LENGTH =15m.
TOTAL CURVE LENGTH =82.976m.



Vertical Alignment: L = 1900.00 m; G= 0.210%

Horizontal Alignment: L=986.831m; L=15 m; TCL=80.397; R=7000 m; L=15 m; L=65.296m; L=15 m; TCL=82.976m; R=7000 m; L=15 m; L=587.191m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-10.960	2.727	109.887	109.025	107.160	67200.0
-10.975	2.687	109.887	109.042	107.200	67220.0
-10.993	2.867	109.887	109.068	107.020	67240.0
-11.008	2.120	109.887	109.093	107.767	67260.0
-11.009	2.489	109.887	109.113	107.398	67280.0
-11.005	2.387	109.887	109.133	107.500	67300.0
-11.013	1.861	109.887	109.160	108.026	67320.0
-11.036	2.233	109.887	109.195	107.654	67340.0
-11.057	1.778	109.887	109.230	108.109	67360.0
-11.059	1.958	109.887	109.245	107.929	67380.0
-11.052	2.075	109.887	109.259	107.812	67400.0
-11.053	2.465	109.887	109.276	107.422	67420.0
-11.067	1.567	109.887	109.297	108.320	67440.0
-11.078	1.554	109.929	109.315	108.375	67460.0
-11.075	1.795	109.971	109.314	108.176	67480.0
-11.068	1.972	110.013	109.313	108.041	67500.0
-11.064	1.924	110.055	109.321	108.131	67520.0
-11.060	1.836	110.097	109.331	108.261	67540.0
-11.055	2.030	110.139	109.346	108.109	67560.0
-11.049	2.500	110.181	109.405	107.681	67580.0
-11.041	2.422	110.223	109.464	107.801	67600.0
-11.027	2.136	110.265	109.526	108.129	67620.0
-11.007	1.764	110.307	109.589	108.543	67640.0
-11.000	2.545	110.349	109.649	107.804	67660.0
-11.024	2.279	110.391	109.693	108.112	67680.0
-11.061	2.193	110.433	109.737	108.240	67700.0
-11.083	1.639	110.475	109.776	108.836	67720.0
-11.090	1.867	110.517	109.807	108.650	67740.0
-11.094	1.721	110.559	109.840	108.838	67760.0
-11.098	1.977	110.601	109.883	108.624	67780.0
-11.100	2.402	110.643	109.926	108.241	67800.0
-11.103	1.979	110.685	109.965	108.706	67820.0
-11.107	2.399	110.727	110.001	108.328	67840.0
-11.108	2.556	110.769	110.038	108.213	67860.0
-11.104	1.003	110.811	110.085	109.808	67880.0
-11.097	2.005	110.853	110.131	108.848	67900.0
-11.093	2.025	110.895	110.168	108.870	67920.0
-11.095	1.697	110.937	110.148	109.240	67940.0
-11.104	2.869	110.979	110.136	108.110	67960.0
-11.164	2.726	111.021	110.156	108.295	67980.0
-11.285	3.067	111.063	110.176	107.996	68000.0
-11.466	2.296	111.105	110.215	108.809	68020.0
-11.668	2.961	111.147	110.259	108.186	68040.0
-11.867	2.788	111.189	110.298	108.401	68060.0
-12.056	2.278	111.231	110.309	108.953	68080.0
-12.240	3.236	111.273	110.328	108.037	68100.0
-12.395	3.170	111.315	110.350	108.145	68120.0
-12.507	3.099	111.357	110.355	108.258	68140.0
-12.507	3.141	111.399	110.366	108.258	68160.0
-12.553	2.594	111.441	110.403	108.847	68180.0
-12.538	2.528	111.483	110.440	108.955	68200.0
-12.535	2.242	111.525	110.485	109.283	68220.0
-12.539	2.254	111.567	110.534	109.313	68240.0
-12.546	2.316	111.609	110.584	109.293	68260.0
-12.559	2.265	111.651	110.643	109.386	68280.0
-12.573	2.292	111.693	110.702	109.401	68300.0
-12.588	1.904	111.735	110.758	109.831	68320.0
-12.603	1.895	111.777	110.812	109.882	68340.0
-12.607	2.151	111.819	110.867	109.668	68360.0
-12.588	2.610	111.861	110.922	109.251	68380.0
-12.564	3.020	111.903	110.977	108.883	68400.0

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

JULY-11			
DATE	DESCRIPTION	CHKD	APPRD
REVISIONS			

डेडीकेटेड फ्रेट कॉरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

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DETAILED PROJECT REPORT

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

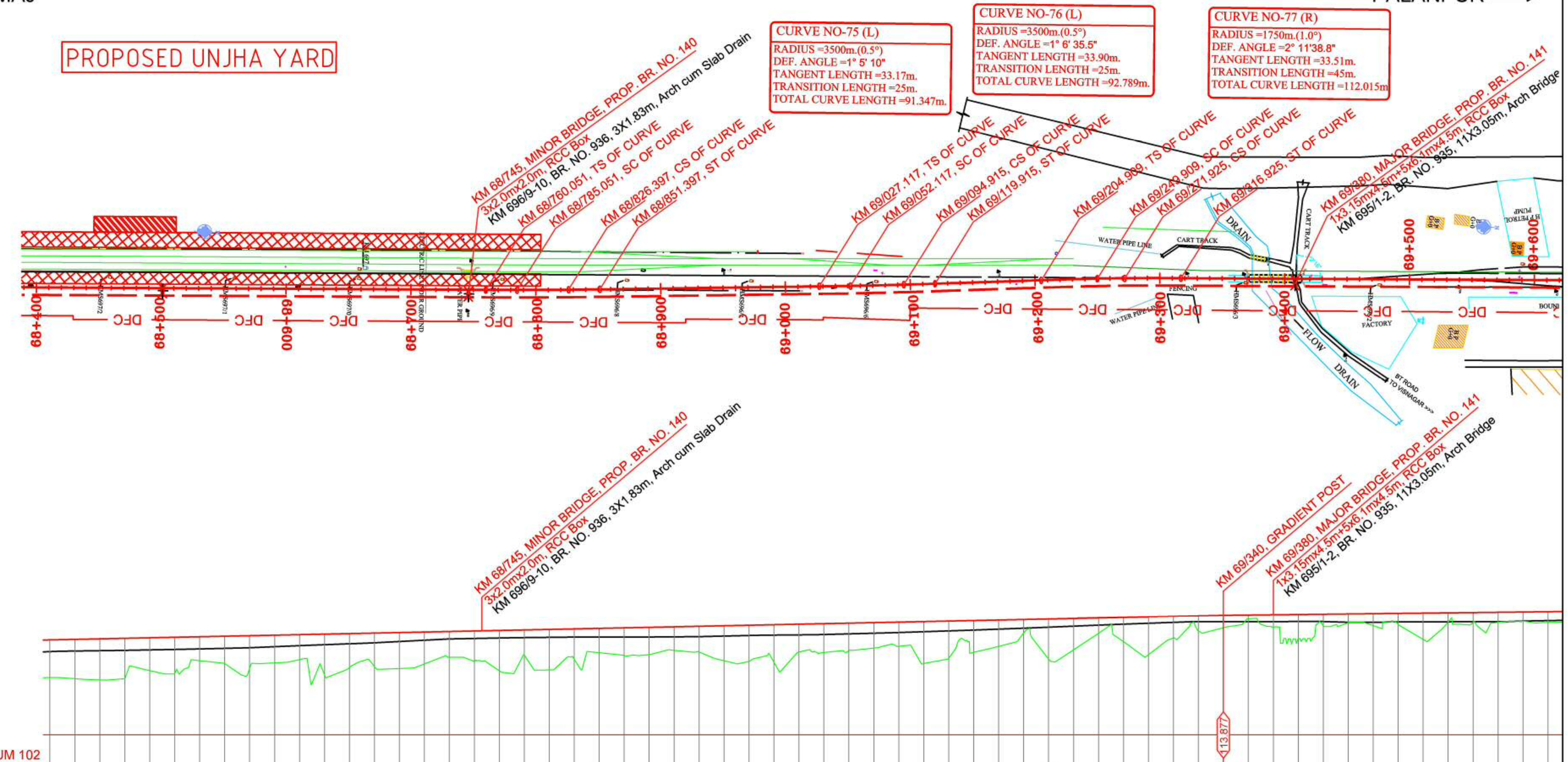
PLAN & PROFILE
(Km 67.200 to Km 68.400)

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-68400 to CH-69600
	SECTOR- 8 N

V-2-5-229

⟸ WAMAJ PALANPUR ⟹



LEVEL DATUM 102

Vertical Alignment

Horizontal Alignment: L=587.191m; L=25 m, R=3500 m, L=25 m, L=91.347m; L=175.72m; L=25 m, R=3500 m, L=25 m, L=92.789; L=85.759m; L=45 m, L=45 m, TCL=111.975m; L=2713.105m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
68400.0	-12.564	3.020	111.903	110.977	108.883
68420.0	-12.561	3.138	111.945	111.014	108.807
68440.0	-12.575	3.289	111.987	111.043	108.698
68460.0	-12.589	3.214	112.029	111.075	108.815
68480.0	-12.602	2.620	112.071	111.115	109.451
68500.0	-12.613	2.886	112.113	111.155	109.227
68520.0	-12.619	1.907	112.155	111.199	110.248
68540.0	-12.621	2.171	112.197	111.243	110.026
68560.0	-12.627	2.612	112.239	111.296	109.627
68580.0	-12.644	2.218	112.281	111.380	110.063
68600.0	-12.660	1.990	112.323	111.464	110.333
68620.0	-12.659	3.280	112.365	111.537	109.085
68640.0	-12.644	2.713	112.407	111.606	109.694
68660.0	-12.630	2.685	112.449	111.684	109.764
68680.0	-12.622	2.875	112.491	111.787	109.616
68700.0	-12.615	2.549	112.533	111.889	109.984
68720.0	-12.615	2.591	112.575	111.984	109.984
68740.0	-12.585	2.425	112.617	112.022	110.192
68760.0	-12.563	3.226	112.659	112.060	109.433
68780.0	-12.523	2.019	112.701	112.092	110.682
68800.0	-12.422	3.241	112.743	112.117	109.502
68820.0	-12.212	2.436	112.785	112.142	110.349
68840.0	-11.890	1.944	112.827	112.138	110.883
68860.0	-11.507	2.213	112.869	112.133	110.656
68880.0	-11.114	2.180	112.911	112.138	110.731
68900.0	-10.727	1.881	112.953	112.155	111.072
68920.0	-10.337	2.054	112.995	112.176	110.941
68940.0	-9.931	2.798	113.037	112.221	110.239
68960.0	-9.521	2.892	113.079	112.266	110.187
68980.0	-9.129	3.014	113.121	112.296	110.107
69000.0	-8.755	2.223	113.163	112.312	110.940
69020.0	-8.373	2.309	113.205	112.345	110.896
69040.0	-7.961	2.202	113.247	112.397	111.045
69060.0	-7.489	2.040	113.289	112.449	111.249
69080.0	-6.919	1.941	113.331	112.507	111.390
69100.0	-6.240	3.360	113.373	112.570	110.013
69120.0	-5.492	2.968	113.415	112.633	110.447
69140.0	-4.730	2.547	113.457	112.701	110.910
69160.0	-3.985	2.113	113.499	112.776	111.386
69180.0	-3.242	1.090	113.541	112.852	112.451
69200.0	-2.480	3.203	113.583	112.935	110.380
69220.0	-1.721	2.507	113.625	113.019	111.118
69240.0	-1.038	1.221	113.667	113.103	112.446
69260.0	-0.509	1.954	113.709	113.179	111.755
69280.0	-0.191	3.016	113.751	113.250	110.735
69300.0	-0.042	1.728	113.793	113.321	112.065
69320.0	0.011	1.225	113.835	113.370	112.610
69340.0	0.042	0.998	113.877	113.374	112.879
69360.0	0.073	0.297	113.899	113.378	113.602
69380.0	0.105	1.004	113.921	113.384	112.917
69400.0	0.140	1.934	113.943	113.390	112.009
69420.0	0.142	0.939	113.965	113.377	113.026
69440.0	0.106	0.671	113.987	113.314	113.316
69460.0	0.112	0.955	114.009	113.316	113.054
69480.0	0.118	0.873	114.031	113.360	113.158
69500.0	-0.197	2.106	114.053	113.364	111.947
69520.0	-0.182	0.731	114.075	113.369	113.344
69540.0	0.129	0.764	114.097	113.373	113.333
69560.0	0.652	0.798	114.119	113.377	113.321
69580.0	2.059	0.750	114.141	113.418	[illegible]
69600.0	3.630	0.867	114.163	113.451	[illegible]

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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DFCC NEW DELHI

CONSORTIUM NJPI

JULY-11			
DATE	DESCRIPTION	CHKD	APPRD
REVISIONS			

डेडीकेटेड फ्रेट कॉरीडोर

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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 68.400 to Km 69.600)

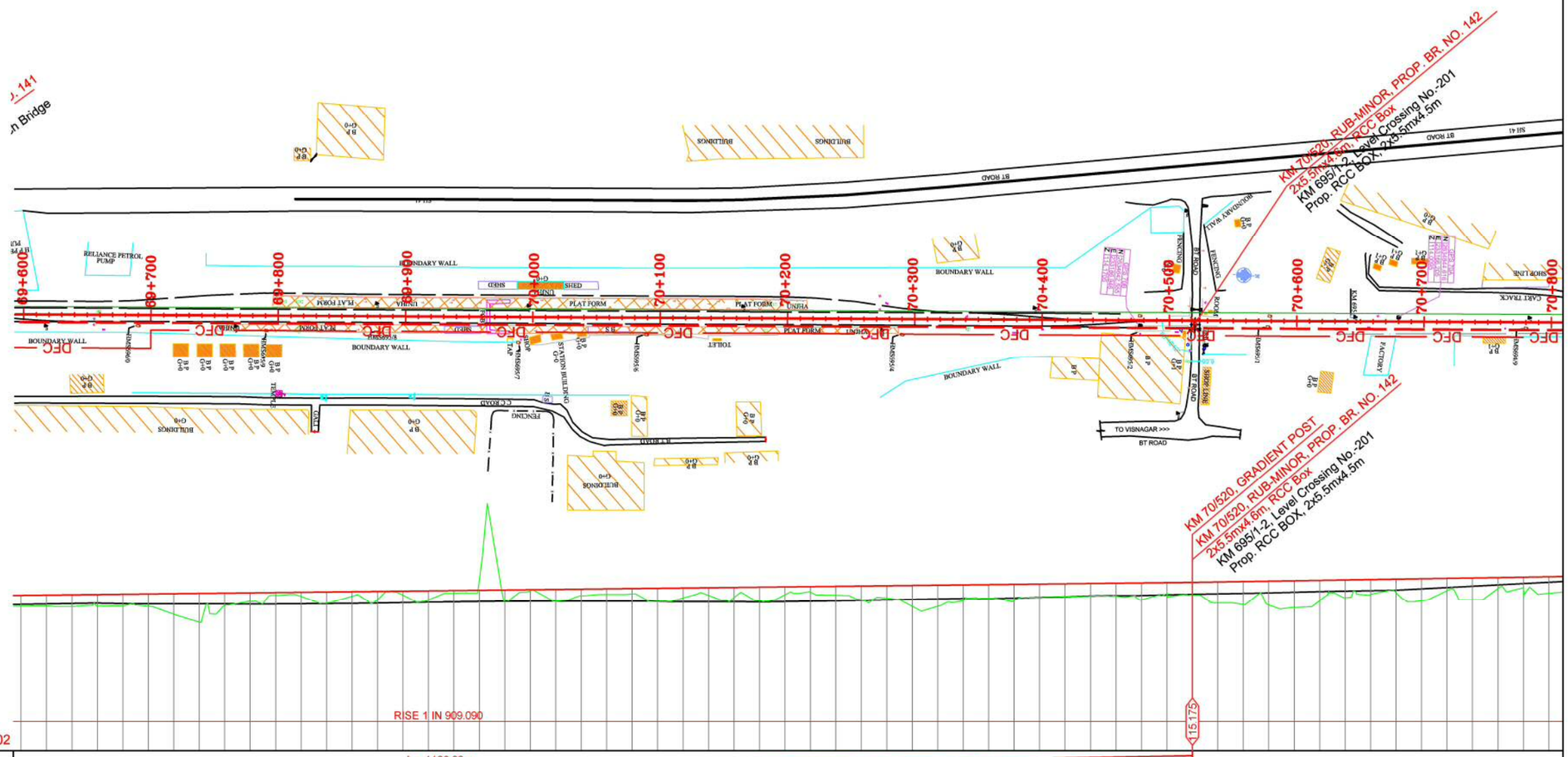
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-69600 to CH-70800
SECTOR- 8 N	

V-2-5-230

⟸ WAMAJ

PALANPUR ⟹



Vertical Alignment	L = 1180.00 m G= 0.110%
Horizontal Alignment	L=2713.105m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
69600.0	3.630	0.867	114.163	113.451	113.296
69620.0	4.889	0.858	114.185	113.484	113.327
69640.0	5.276	0.929	114.207	113.517	113.278
69660.0	5.172	0.927	114.229	113.535	113.302
69680.0	5.071	0.915	114.251	113.502	113.336
69700.0	4.997	0.976	114.273	113.490	113.297
69720.0	4.972	1.617	114.295	113.488	112.678
69740.0	4.952	2.258	114.317	113.486	112.059
69760.0	4.909	0.989	114.339	113.484	113.350
69780.0	4.857	0.677	114.361	113.481	113.684
69800.0	4.832	0.228	114.383	113.489	114.155
69820.0	4.831	0.343	114.405	113.502	114.062
69840.0	4.824	0.865	114.427	113.517	113.562
69860.0	4.799	0.359	114.449	113.533	114.090
69880.0	4.784	0.663	114.471	113.558	113.808
69900.0	4.786	0.331	114.493	113.596	114.162
69920.0	4.794	0.727	114.515	113.627	113.788
69940.0	4.810	0.212	114.537	113.653	114.325
69960.0	4.830	-0.880	114.559	113.679	115.439
69980.0	4.849	0.827	114.581	113.702	113.754
70000.0	4.867	0.080	114.603	113.710	114.523
70020.0	4.882	0.927	114.625	113.715	113.698
70040.0	4.887	0.523	114.647	113.712	114.124
70060.0	4.886	0.451	114.669	113.709	114.218
70080.0	4.892	0.428	114.691	113.706	114.263
70100.0	4.918	1.022	114.713	113.680	113.691
70120.0	4.948	0.795	114.735	113.659	113.940
70140.0	4.967	0.606	114.757	113.657	114.151
70160.0	4.945	0.801	114.779	113.653	113.978
70180.0	4.877	1.070	114.801	113.645	113.731
70200.0	4.829	0.616	114.823	113.675	114.207
70220.0	4.795	0.424	114.845	113.706	114.421
70240.0	4.779	0.707	114.867	113.737	114.160
70260.0	4.785	1.098	114.889	113.767	113.791
70280.0	4.817	0.987	114.911	113.795	113.924
70300.0	4.851	1.642	114.933	113.831	113.291
70320.0	4.879	1.651	114.955	113.870	113.304
70340.0	4.916	1.255	114.977	113.910	113.722
70360.0	4.971	1.095	114.999	113.905	113.904
70380.0	5.022	1.302	115.021	113.939	113.719
70400.0	5.022	1.043	115.043	114.008	114.000
70420.0	4.556	1.005	115.065	114.052	114.060
70440.0	3.447	0.993	115.087	114.117	114.094
70460.0	1.914	1.011	115.109	114.135	114.098
70480.0	0.629	1.342	115.131	114.150	113.789
70500.0	0.282	0.857	115.153	114.198	114.296
70520.0	0.324	0.991	115.175	114.242	114.184
70540.0	0.327	1.646	115.207	114.279	113.561
70560.0	0.329	1.794	115.239	114.315	113.445
70580.0	0.321	1.865	115.271	114.358	113.406
70600.0	0.295	2.097	115.303	114.410	113.206
70620.0	0.275	1.592	115.335	114.461	113.743
70640.0	0.288	1.410	115.367	114.494	113.957
70660.0	0.303	1.179	115.399	114.527	114.220
70680.0	0.305	1.064	115.431	114.577	114.367
70700.0	0.287	1.742	115.463	114.682	113.721
70720.0	0.262	0.978	115.495	114.788	114.517
70740.0	0.304	1.741	115.527	114.893	113.786
70760.0	0.458	0.852	115.559	114.998	114.707
70780.0	0.588	1.014	115.591	115.103	114.[illegible]
70800.0	0.556	1.303	115.623	115.206	114.[illegible]

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 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

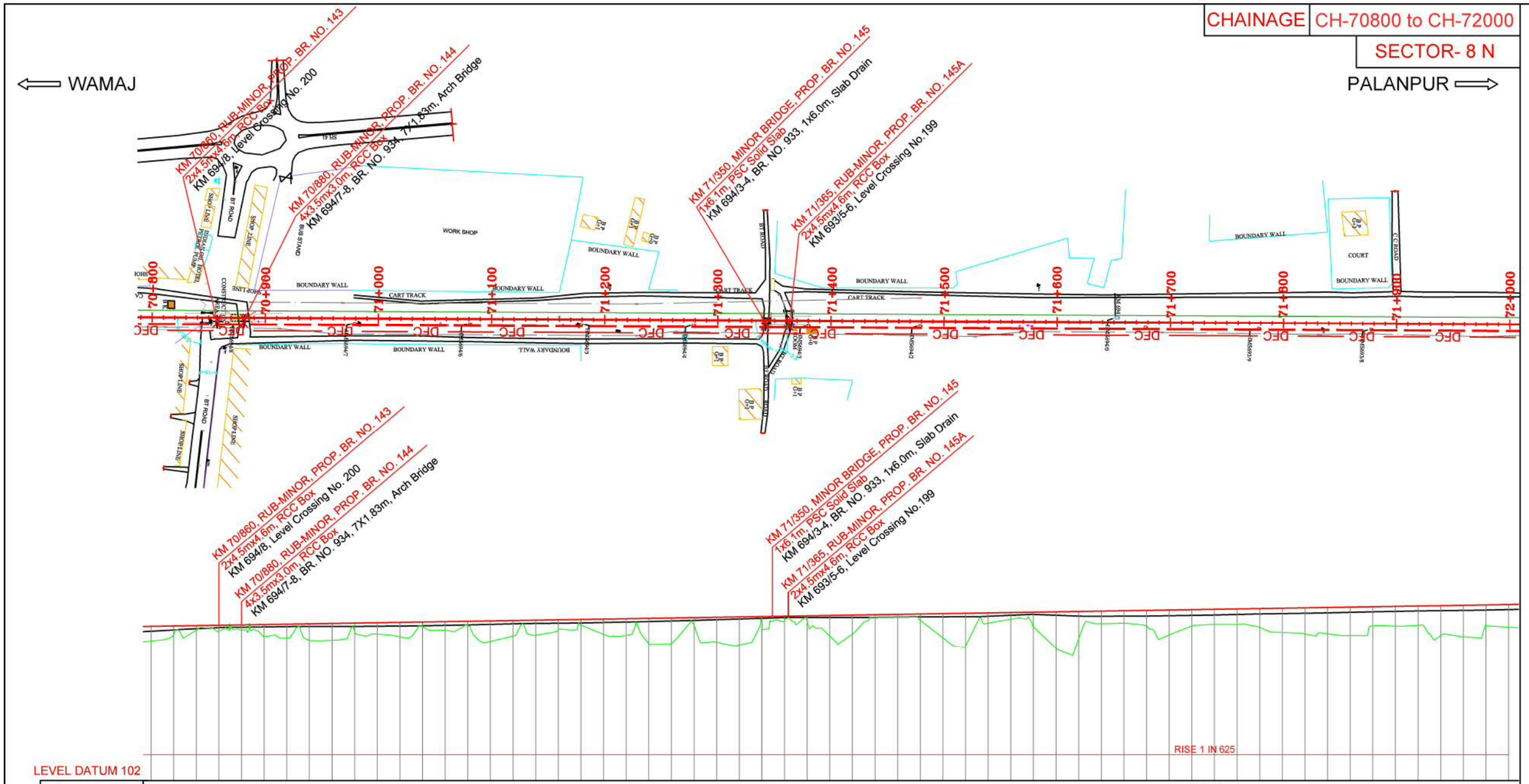
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 69.600 to Km 70.800)

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-70800 to CH-72000
SECTOR- 8 N	

V-2-5-231



Vertical Alignment: L = 2420.00 m, G= 0.160%

Horizontal Alignment: L=2713.105m, L=25 m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
70800.0	0.556	1.303	115.623	115.208	114.320
70800.0	0.556	1.335	115.655	115.315	114.320
70840.0	-0.050	0.387	115.687	115.417	115.300
70860.0	0.123	0.512	115.719	115.509	115.207
70880.0	0.152	0.444	115.751	115.547	115.307
70900.0	0.156	1.085	115.783	115.575	114.698
70920.0	0.153	1.218	115.815	115.603	114.597
70940.0	0.144	1.468	115.847	115.612	114.379
70940.0	0.144	1.500	115.879	115.606	114.379
70980.0	0.115	0.787	115.911	115.605	115.124
71000.0	0.122	1.015	115.943	115.622	114.928
71020.0	0.136	1.282	115.975	115.640	114.693
71040.0	0.142	0.408	116.007	115.664	115.599
71060.0	0.134	0.766	116.039	115.707	115.273
71080.0	0.127	0.365	116.071	115.750	115.706
71100.0	0.128	1.808	116.103	115.796	114.295
71120.0	0.131	1.377	116.135	115.842	114.758
71140.0	0.131	1.339	116.167	115.872	114.828
71160.0	0.129	0.865	116.199	115.895	115.334
71180.0	0.126	0.498	116.231	115.921	115.733
71200.0	0.122	1.342	116.263	115.963	114.921
71220.0	0.115	1.470	116.295	116.005	114.825
71240.0	0.107	2.245	116.327	116.050	114.082
71260.0	0.099	2.286	116.359	116.098	114.073
71280.0	0.090	0.678	116.391	116.149	115.713
71300.0	0.079	2.205	116.423	116.213	114.218
71320.0	0.064	2.492	116.455	116.277	113.963
71340.0	0.044	0.519	116.487	116.340	115.968
71360.0	0.018	0.394	116.519	116.404	116.125
71380.0	-0.015	0.529	116.551	116.407	116.022
71400.0	-0.007	1.828	116.583	116.404	114.755
71420.0	0.021	1.669	116.615	116.401	114.946
71440.0	-0.006	0.238	116.647	116.408	116.409
71460.0	-0.138	0.245	116.679	116.433	116.434
71480.0	-0.379	0.574	116.711	116.454	116.137
71500.0	-0.721	2.145	116.743	116.459	114.598
71520.0	-1.161	2.872	116.775	116.464	113.903
71540.0	-1.668	0.906	116.807	116.513	115.901
71560.0	-2.198	0.583	116.839	116.604	116.256
71580.0	-2.728	1.299	116.871	116.665	115.572
71600.0	-3.260	3.238	116.903	116.590	113.665
71620.0	-3.791	2.386	116.935	116.515	114.549
71640.0	-4.311	1.113	116.967	116.512	115.854
71660.0	-4.824	1.107	116.999	116.521	115.892
71680.0	-5.357	1.391	117.031	116.536	115.640
71700.0	-5.928	2.207	117.063	116.566	114.856
71720.0	-6.510	1.459	117.095	116.596	115.636
71740.0	-7.069	1.342	117.127	116.629	115.785
71760.0	-7.601	1.356	117.159	116.671	115.803
71780.0	-8.126	1.675	117.191	116.710	115.516
71800.0	-8.647	2.145	117.223	116.741	115.078
71820.0	-9.166	2.311	117.255	116.773	114.944
71840.0	-9.690	2.321	117.287	116.813	114.966
71860.0	-10.217	2.523	117.319	116.864	114.796
71880.0	-10.748	1.697	117.351	116.909	115.654
71900.0	-11.287	1.744	117.383	116.943	115.639
71920.0	-11.826	1.699	117.415	116.975	115.716
71940.0	-12.360	2.632	117.447	117.003	114.815
71960.0	-12.890	2.783	117.479	117.080	114.695
71980.0	-13.421	1.829	117.511	117.081	115.682
72000.0	-13.925	1.956	117.543	117.102	115.587

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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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 70.800 to Km 72.000)

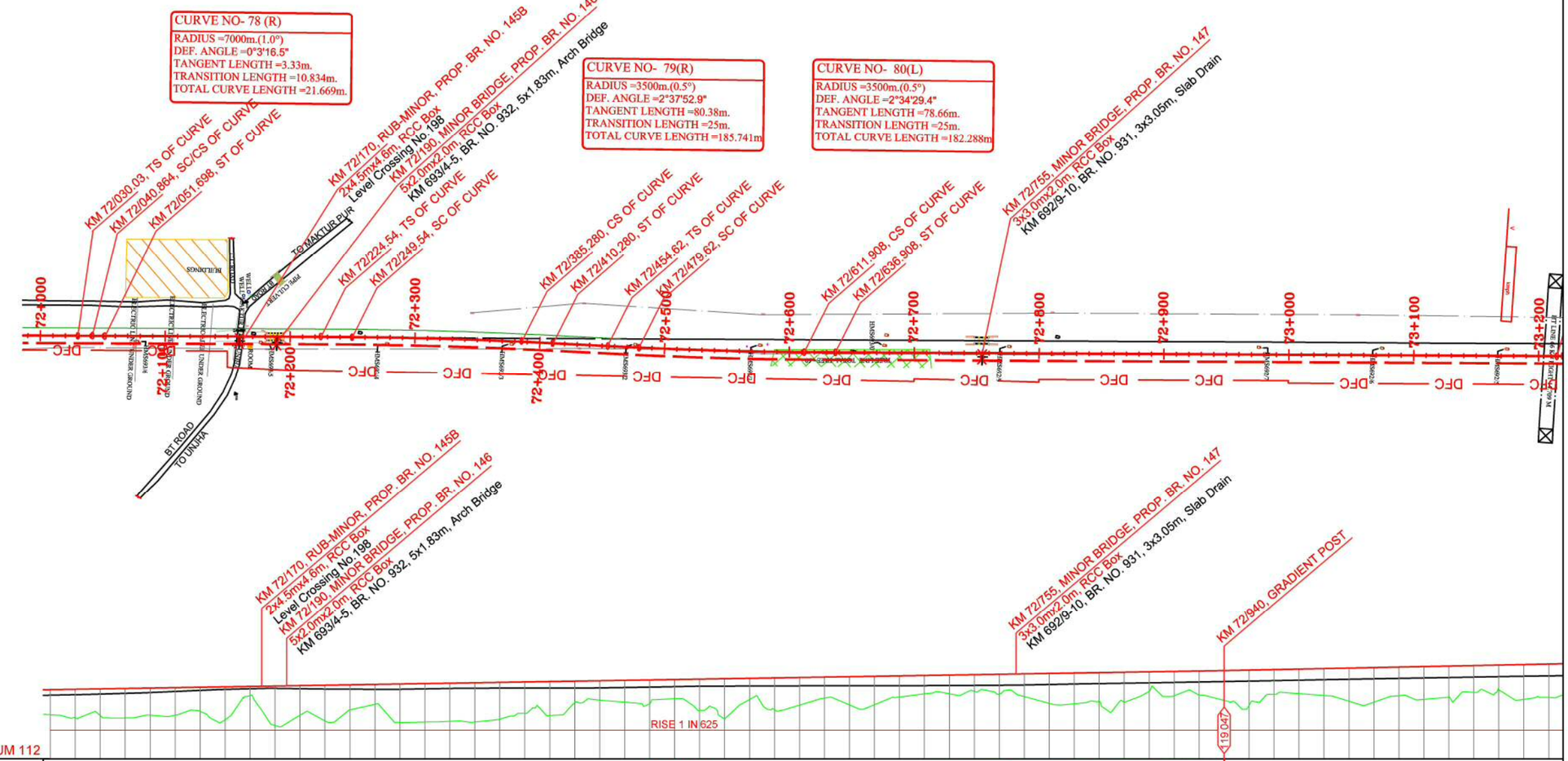
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-72000 to CH-73200
SECTOR- 8 N	

V-2-5-232

⟸ WAMAJ

PALANPUR ⟹



LEVEL DATUM 112

Vertical Alignment: L = 2420.00 m; G= 0.160%

Horizontal Alignment: R=7000m, TCL=21.669m; L=172.842m; L=25 m; R=3500m, TCL=185.741m; L=25 m; L=44.42m; L=25 m; R=3500m, TCL=115.510m; L=25 m; L=2273.56m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-13.925	1.996	117.543	117.102	115.547	72000.0
-14.357	2.274	117.575	117.143	115.301	72020.0
-14.675	2.132	117.607	117.194	115.475	72040.0
-14.874	2.349	117.639	117.249	115.290	72060.0
-14.969	2.158	117.671	117.314	115.513	72080.0
-15.003	2.188	117.703	117.402	115.515	72100.0
-15.003	2.220	117.735	117.489	115.515	72100.0
-15.006	2.625	117.767	117.565	115.142	72140.0
-14.989	0.719	117.799	117.621	117.080	72160.0
-14.977	3.136	117.831	117.647	114.695	72180.0
-14.976	2.352	117.863	117.617	115.511	72200.0
-14.981	2.842	117.895	117.587	115.053	72220.0
-14.992	1.979	117.927	117.577	115.948	72240.0
-14.992	2.011	117.959	117.569	115.948	72240.0
-15.005	3.054	117.991	117.574	114.937	72280.0
-14.956	3.055	118.023	117.607	114.968	72300.0
-14.809	3.032	118.055	117.640	115.023	72320.0
-14.528	3.115	118.087	117.653	114.972	72340.0
-14.113	2.923	118.119	117.660	115.196	72360.0
-13.624	2.499	118.151	117.665	115.652	72380.0
-13.117	2.699	118.183	117.669	115.484	72400.0
-12.615	1.668	118.215	117.674	116.547	72420.0
-12.116	1.541	118.247	117.693	116.706	72440.0
-11.624	1.738	118.279	117.722	116.541	72460.0
-11.137	1.873	118.311	117.759	116.438	72480.0
-10.692	1.529	118.343	117.809	116.814	72500.0
-10.339	2.491	118.375	117.858	115.884	72520.0
-10.100	3.192	118.407	117.889	115.215	72540.0
-9.973	1.674	118.439	117.920	116.765	72560.0
-9.930	2.524	118.471	117.959	115.947	72580.0
-9.927	2.189	118.503	118.013	116.314	72600.0
-9.925	1.662	118.535	118.067	116.873	72620.0
-9.907	2.245	118.567	118.084	116.322	72640.0
-9.877	2.255	118.599	118.095	116.344	72660.0
-9.862	1.673	118.631	118.127	116.958	72680.0
-9.873	1.461	118.663	118.202	117.202	72700.0
-9.891	1.487	118.695	118.276	117.208	72720.0
-9.892	1.320	118.727	118.326	117.407	72740.0
-9.892	1.352	118.759	118.365	117.407	72760.0
-9.883	1.805	118.791	118.383	116.986	72780.0
-9.908	2.372	118.823	118.363	116.451	72800.0
-9.937	2.433	118.855	118.343	116.422	72820.0
-9.949	2.231	118.887	118.333	116.656	72840.0
-9.951	2.354	118.919	118.327	116.565	72860.0
-9.962	1.542	118.951	118.325	117.409	72880.0
-9.989	1.918	118.983	118.330	117.065	72900.0
-10.016	1.907	119.015	118.335	117.108	72920.0
-10.027	2.367	119.047	118.349	116.680	72940.0
-10.031	2.777	119.087	118.364	116.310	72960.0
-10.038	1.965	119.127	118.377	117.162	72980.0
-10.056	1.938	119.167	118.387	117.229	73000.0
-10.063	2.124	119.207	118.398	117.083	73020.0
-10.035	2.631	119.247	118.409	116.616	73040.0
-9.981	2.735	119.287	118.420	116.552	73060.0
-9.948	2.262	119.327	118.447	117.065	73080.0
-9.944	2.589	119.367	118.497	116.778	73100.0
-9.949	2.405	119.407	118.547	117.002	73120.0
-9.953	2.123	119.447	118.593	117.324	73140.0
-9.958	1.926	119.487	118.638	117.561	73160.0
-9.969	2.756	119.524	118.672	116.7[illegible]	73180.0
-9.984	2.640	119.567	118.682	116.927	73200.0

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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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 72.000 to Km 73.200)

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-73200 to CH-74400
SECTOR- 8 N	

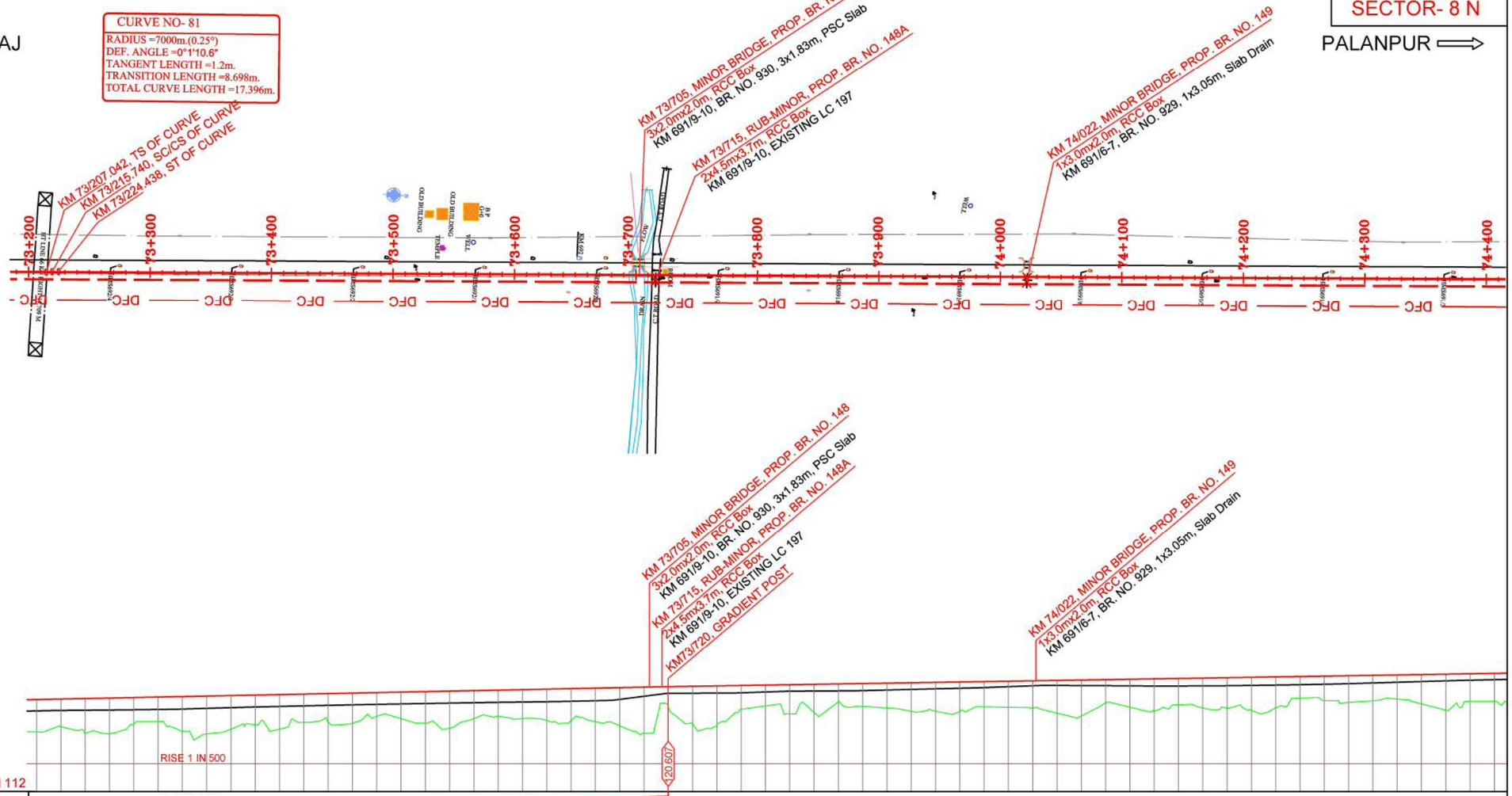
V-2-5-233

⇐ WAMAJ

PALANPUR ⇒

CURVE NO- 81

RADIUS =7000m.(0.25°)
DEF. ANGLE =0°1'10.6"
TANGENT LENGTH =1.2m.
TRANSITION LENGTH =8.698m.
TOTAL CURVE LENGTH =17.396m.



LEVEL DATUM 112

Vertical Alignment: L = 780.00 m, G= 0.200%

Horizontal Alignment: L=2273.56m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
73200.0	-9.984	2.640	119.567	118.692	116.927
73220.0	-10.004	2.258	119.607	118.707	117.349
73240.0	-10.032	2.844	119.647	118.712	116.803
73260.0	-10.061	2.919	119.687	118.717	116.768
73280.0	-10.074	2.178	119.727	118.730	117.549
73300.0	-10.069	1.997	119.767	118.752	117.770
73300.0	-10.069	2.037	119.807	118.790	117.770
73340.0	-10.066	3.093	119.847	118.850	116.754
73360.0	-10.067	2.737	119.887	118.911	117.150
73380.0	-10.063	2.419	119.927	118.964	117.508
73400.0	-10.053	2.816	119.967	119.008	117.151
73420.0	-10.041	2.319	120.007	119.053	117.688
73440.0	-10.027	2.317	120.047	119.092	117.730
73460.0	-10.013	2.459	120.087	119.131	117.628
73480.0	-10.009	1.941	120.127	119.170	118.186
73500.0	-10.018	2.166	120.167	119.208	118.001
73520.0	-10.028	2.586	120.207	119.246	117.621
73540.0	-10.027	3.017	120.247	119.280	117.230
73560.0	-10.022	2.280	120.287	119.314	118.007
73580.0	-10.018	2.140	120.327	119.342	118.187
73600.0	-10.017	2.367	120.367	119.362	118.000
73620.0	-10.017	2.559	120.407	119.382	117.848
73640.0	-10.016	2.585	120.447	119.423	117.862
73660.0	-10.015	2.732	120.487	119.473	117.755
73680.0	-10.014	3.109	120.527	119.610	117.418
73700.0	-10.013	3.775	120.567	119.863	116.792
73720.0	-10.012	1.677	120.607	120.076	118.930
73740.0	-10.009	3.071	120.639	120.079	117.568
73760.0	-10.006	3.207	120.671	120.081	117.464
73780.0	-10.001	1.932	120.703	120.113	118.771
73800.0	-9.994	1.690	120.735	120.183	119.045
73820.0	-9.984	2.372	120.767	120.242	118.395
73840.0	-9.973	2.288	120.799	120.253	118.511
73860.0	-9.960	1.456	120.831	120.264	119.375
73880.0	-9.946	1.862	120.863	120.293	119.001
73900.0	-9.931	2.026	120.895	120.345	118.869
73920.0	-9.916	2.333	120.927	120.396	118.594
73940.0	-9.901	2.344	120.959	120.443	118.615
73960.0	-9.885	2.403	120.991	120.490	118.588
73980.0	-9.870	2.052	121.023	120.549	118.971
74000.0	-9.856	2.126	121.055	120.622	118.929
74020.0	-9.846	2.209	121.087	120.696	118.878
74040.0	-9.841	2.665	121.119	120.711	118.454
74060.0	-9.843	2.925	121.151	120.704	118.226
74080.0	-9.852	1.890	121.183	120.693	119.293
74100.0	-9.870	2.274	121.215	120.678	118.941
74120.0	-9.888	2.637	121.247	120.662	118.610
74140.0	-9.903	2.148	121.279	120.673	119.131
74160.0	-9.916	2.432	121.311	120.685	118.879
74180.0	-9.921	2.469	121.343	120.703	118.874
74200.0	-9.915	2.693	121.375	120.724	118.682
74220.0	-9.909	2.516	121.407	120.746	118.891
74240.0	-9.913	1.757	121.439	120.780	119.682
74260.0	-9.923	1.999	121.471	120.819	119.472
74280.0	-9.925	2.182	121.503	120.866	119.321
74300.0	-9.917	2.069	121.535	120.921	119.466
74320.0	-9.909	1.964	121.567	120.976	119.603
74340.0	-9.911	2.392	121.599	121.032	119.207
74360.0	-9.918	2.924	121.631	121.088	118.707
74380.0	-9.920	2.257	121.663	121.138	119.[illegible]
74400.0	-9.915	2.281	121.695	121.182	119.[illegible]

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

डेडीकेटेड फ्रेट कॉरीडोर

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 73.200 to Km 74.400)

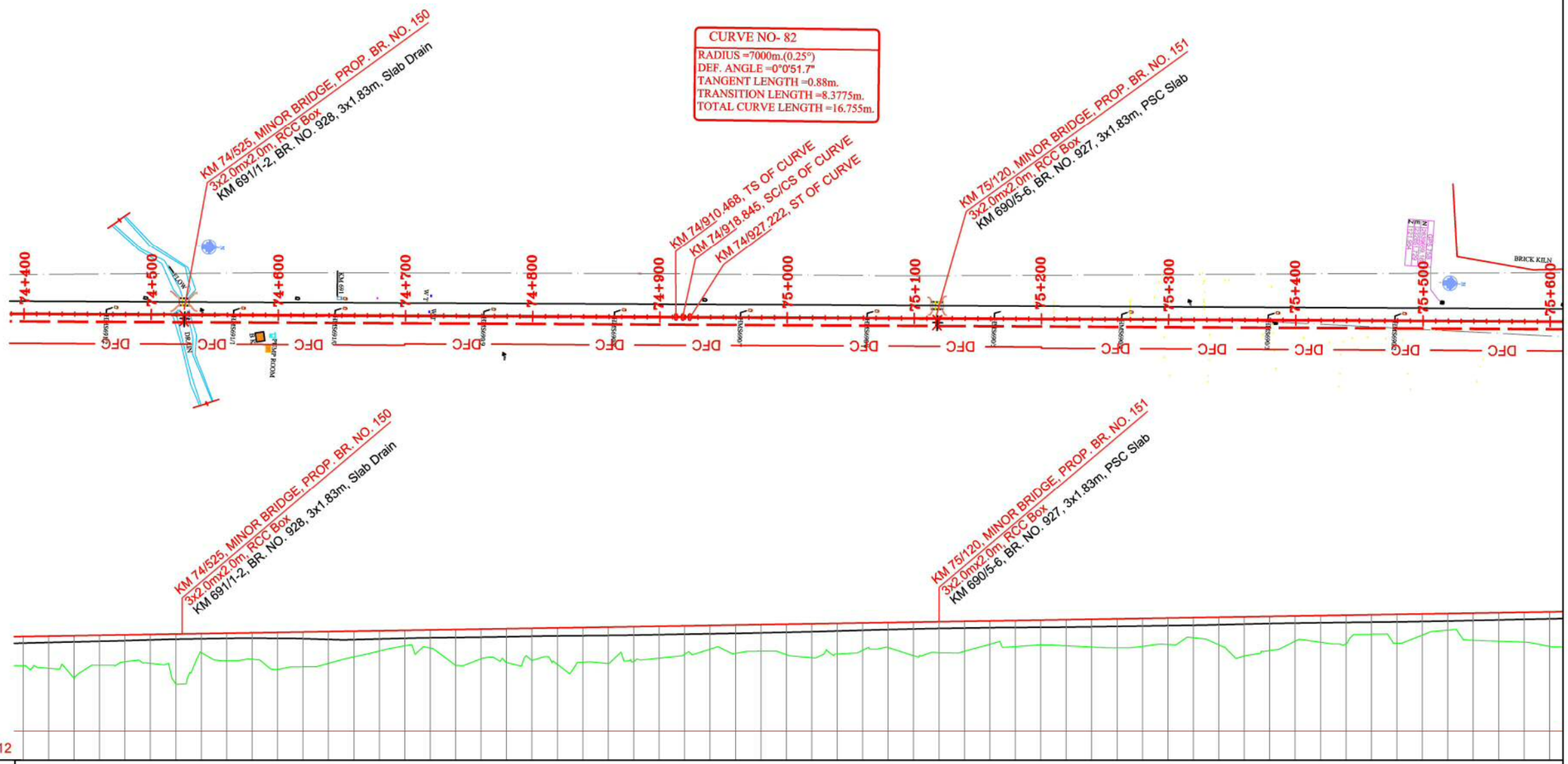
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-74400 to CH-75600
SECTOR- 8 N	

V-2-5-234

⟸ WAMAJ

PALANPUR ⟹



L=2273.56m R=7000m TCL=16.755m L=1675.531m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
74400.0	-9.915	2.281	121.695	121.182	119.414
74420.0	-9.911	2.515	121.727	121.225	119.212
74440.0	-9.918	3.272	121.759	121.272	118.487
74460.0	-9.931	2.342	121.791	121.321	119.449
74480.0	-9.932	2.100	121.823	121.375	119.723
74500.0	-9.920	2.251	121.855	121.434	119.604
74520.0	-9.907	3.929	121.887	121.486	117.958
74540.0	-9.898	1.472	121.919	121.516	120.447
74560.0	-9.892	2.169	121.951	121.546	119.782
74580.0	-9.887	2.070	121.983	121.557	119.913
74600.0	-9.884	2.890	122.015	121.554	119.125
74620.0	-9.881	2.721	122.047	121.517	119.326
74640.0	-9.881	2.481	122.079	121.450	119.598
74660.0	-9.884	2.010	122.111	121.450	120.101
74680.0	-9.892	1.586	122.143	121.505	120.557
74700.0	-9.906	1.213	122.175	121.560	120.962
74720.0	-9.928	1.424	122.207	121.599	120.783
74740.0	-9.959	2.795	122.239	121.623	119.444
74760.0	-9.989	2.316	122.271	121.646	119.955
74780.0	-10.008	2.632	122.303	121.676	119.671
74800.0	-10.020	2.509	122.335	121.708	119.826
74820.0	-10.024	2.855	122.367	121.733	119.512
74840.0	-10.018	2.715	122.399	121.751	119.684
74860.0	-10.010	2.846	122.431	121.769	119.585
74880.0	-10.003	2.706	122.463	121.799	119.757
74900.0	-10.001	2.485	122.495	121.838	120.010
74920.0	-10.000	2.220	122.527	121.875	120.307
74940.0	-10.005	1.853	122.559	121.904	120.706
74960.0	-10.012	2.213	122.591	121.933	120.378
74980.0	-10.028	2.075	122.623	121.973	120.548
75000.0	-10.053	2.378	122.655	122.018	120.277
75020.0	-10.078	2.647	122.687	122.064	120.040
75040.0	-10.102	2.384	122.719	122.123	120.335
75060.0	-10.125	2.132	122.751	122.183	120.619
75080.0	-10.145	1.954	122.783	122.235	120.829
75100.0	-10.162	2.621	122.815	122.283	120.194
75120.0	-10.176	2.421	122.847	122.321	120.426
75140.0	-10.187	2.339	122.879	122.349	120.540
75160.0	-10.195	1.820	122.911	122.377	121.091
75180.0	-10.201	2.036	122.943	122.396	120.907
75200.0	-10.204	1.955	122.975	122.410	121.020
75220.0	-10.206	2.030	123.007	122.431	120.977
75240.0	-10.205	2.168	123.039	122.455	120.871
75260.0	-10.202	2.272	123.071	122.479	120.799
75280.0	-10.197	2.178	123.103	122.508	120.925
75300.0	-10.191	2.063	123.135	122.539	121.072
75320.0	-10.184	1.570	123.167	122.570	121.597
75340.0	-10.175	2.168	123.199	122.615	121.031
75360.0	-10.166	3.058	123.231	122.664	120.173
75380.0	-10.155	2.667	123.263	122.714	120.596
75400.0	-10.144	1.971	123.295	122.741	121.324
75420.0	-10.132	2.082	123.327	122.765	121.245
75440.0	-10.120	2.231	123.359	122.787	121.128
75460.0	-10.108	1.518	123.391	122.806	121.873
75480.0	-10.096	2.272	123.423	122.825	121.151
75500.0	-10.084	1.652	123.455	122.861	121.803
75520.0	-10.072	1.305	123.487	122.899	122.182
75540.0	-10.061	2.120	123.519	122.944	121.399
75560.0	-10.051	2.221	123.551	122.988	121.330
75580.0	-10.041	2.332	123.583	123.038	121.25[illegible]
75600.0	-10.033	2.693	123.615	123.076	120.9[illegible]

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

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

PLAN & PROFILE
(Km 74.400 to Km 75.600)

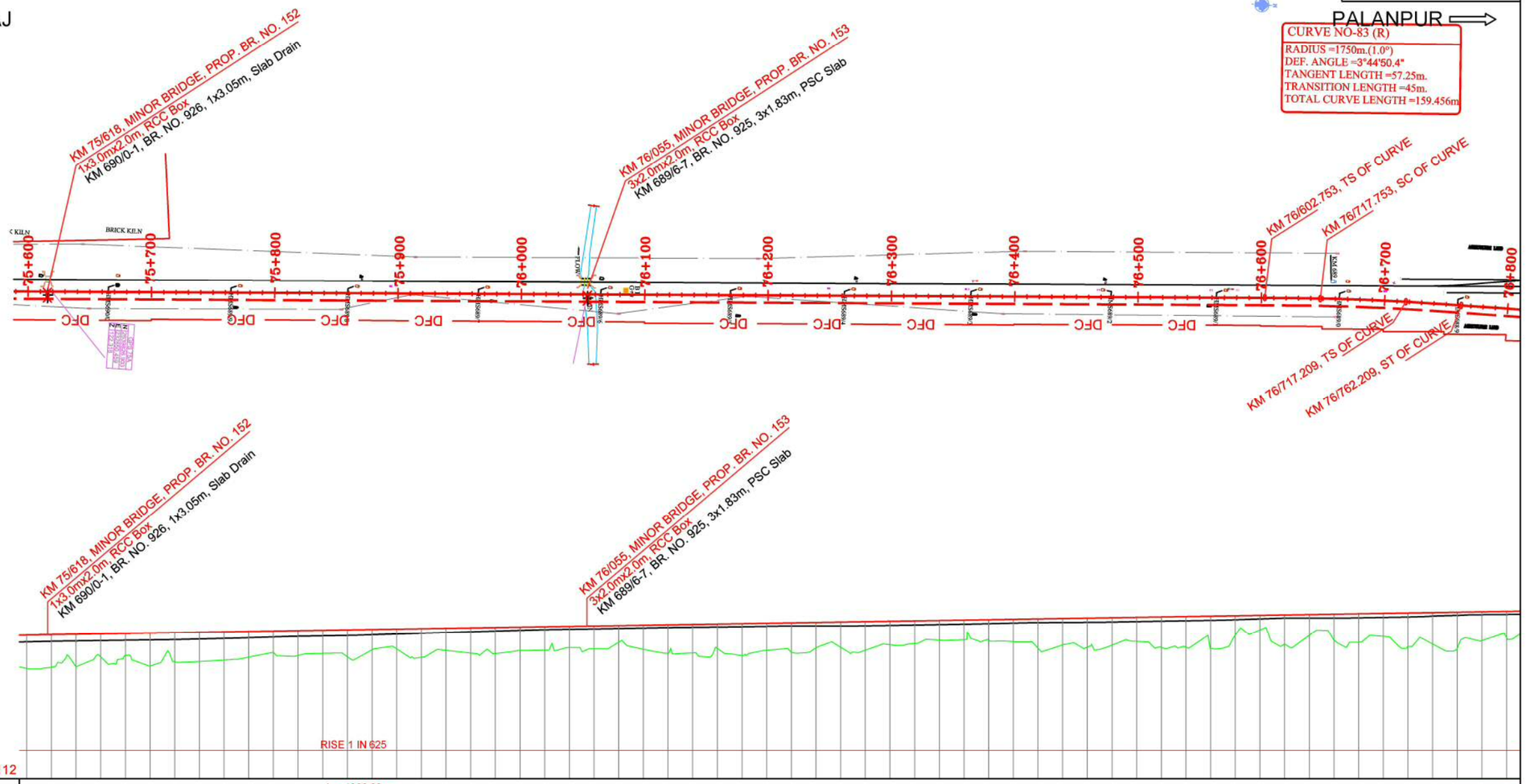
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-75600 to CH-76800
SECTOR- 8 N	

V-2-5-235

WAMAJ ⟸ ⟹ PALANPUR

CURVE NO-83 (R)
RADIUS =1750m.(1.0°)
DEF. ANGLE =3°44'50.4"
TANGENT LENGTH =57.25m.
TRANSITION LENGTH =45m.
TOTAL CURVE LENGTH =159.456m



LEVEL DATUM 112

Vertical Alignment	L = 4300.00 m G= 0.160%
Horizontal Alignment	L=1675.531m; L=45 m; R=1750 m; L=45 m; TCL=159.452m; L=

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
75600.0	-10.033	2.699	123.615	123.076	120.916
75620.0	-10.027	2.632	123.647	123.119	121.015
75640.0	-10.024	2.630	123.679	123.147	121.049
75660.0	-10.028	1.866	123.711	123.175	121.845
75680.0	-10.029	1.791	123.743	123.203	121.952
75700.0	-10.031	2.651	123.775	123.230	121.124
75720.0	-10.028	2.351	123.807	123.259	121.456
75740.0	-10.017	2.354	123.839	123.308	121.485
75760.0	-10.005	2.266	123.871	123.356	121.605
75780.0	-9.998	2.071	123.903	123.412	121.832
75800.0	-9.997	1.708	123.935	123.473	122.227
75820.0	-9.991	1.999	123.967	123.524	121.968
75840.0	-9.977	1.863	123.999	123.558	122.136
75860.0	-9.962	2.175	124.031	123.591	121.856
75880.0	-9.955	1.638	124.063	123.645	122.425
75900.0	-9.952	1.597	124.095	123.704	122.498
75920.0	-9.954	2.302	124.127	123.762	121.825
75940.0	-9.962	1.778	124.159	123.826	122.381
75960.0	-9.974	2.029	124.191	123.889	122.162
75980.0	-9.978	2.099	124.223	123.951	122.124
76000.0	-9.979	1.896	124.255	124.011	122.359
76020.0	-9.972	1.891	124.287	124.065	122.396
76040.0	-9.953	1.723	124.319	124.095	122.596
76060.0	-9.929	1.854	124.351	124.124	122.497
76080.0	-9.916	1.352	124.383	124.158	123.031
76100.0	-9.912	1.947	124.415	124.196	122.468
76120.0	-9.909	2.286	124.447	124.229	122.161
76140.0	-9.906	2.310	124.479	124.252	122.169
76160.0	-9.905	1.991	124.511	124.275	122.520
76180.0	-9.913	2.583	124.543	124.302	121.980
76200.0	-9.934	2.195	124.575	124.336	122.380
76220.0	-9.949	2.389	124.607	124.355	122.218
76240.0	-9.949	2.063	124.639	124.353	122.576
76260.0	-9.948	2.056	124.671	124.351	122.615
76280.0	-9.958	2.319	124.703	124.372	122.384
76300.0	-9.975	1.903	124.735	124.403	122.832
76320.0	-9.998	1.837	124.767	124.436	122.930
76340.0	-10.029	1.600	124.799	124.472	123.199
76360.0	-10.063	1.601	124.831	124.507	123.230
76380.0	-10.089	1.666	124.863	124.549	123.197
76400.0	-10.111	1.809	124.895	124.594	123.086
76420.0	-10.129	2.382	124.927	124.627	122.545
76440.0	-10.142	2.136	124.959	124.638	122.821
76460.0	-10.153	2.357	124.991	124.649	122.634
76480.0	-10.165	2.222	125.023	124.678	122.801
76500.0	-10.178	1.954	125.055	124.719	123.101
76520.0	-10.192	2.489	125.087	124.757	122.598
76540.0	-10.209	2.488	125.119	124.787	122.631
76560.0	-10.225	2.615	125.151	124.817	122.536
76580.0	-10.238	1.566	125.183	124.870	123.617
76600.0	-10.247	1.179	125.215	124.937	124.036
76620.0	-10.275	2.370	125.247	124.997	122.877
76640.0	-10.387	1.677	125.279	124.998	123.602
76660.0	-10.671	2.107	125.311	125.000	123.204
76680.0	-11.190	2.303	125.343	125.024	123.040
76700.0	-11.947	1.862	125.375	125.059	123.513
76720.0	-12.945	2.722	125.407	125.097	122.685
76740.0	-14.158	2.551	125.439	125.173	122.888
76760.0	-15.477	2.909	125.471	125.221	122.562
76780.0	-16.802	2.332	125.503	125.274	123.171
76800.0	-18.137	2.155	125.535	125.299	123.380

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

सर्टिफिकेटेड 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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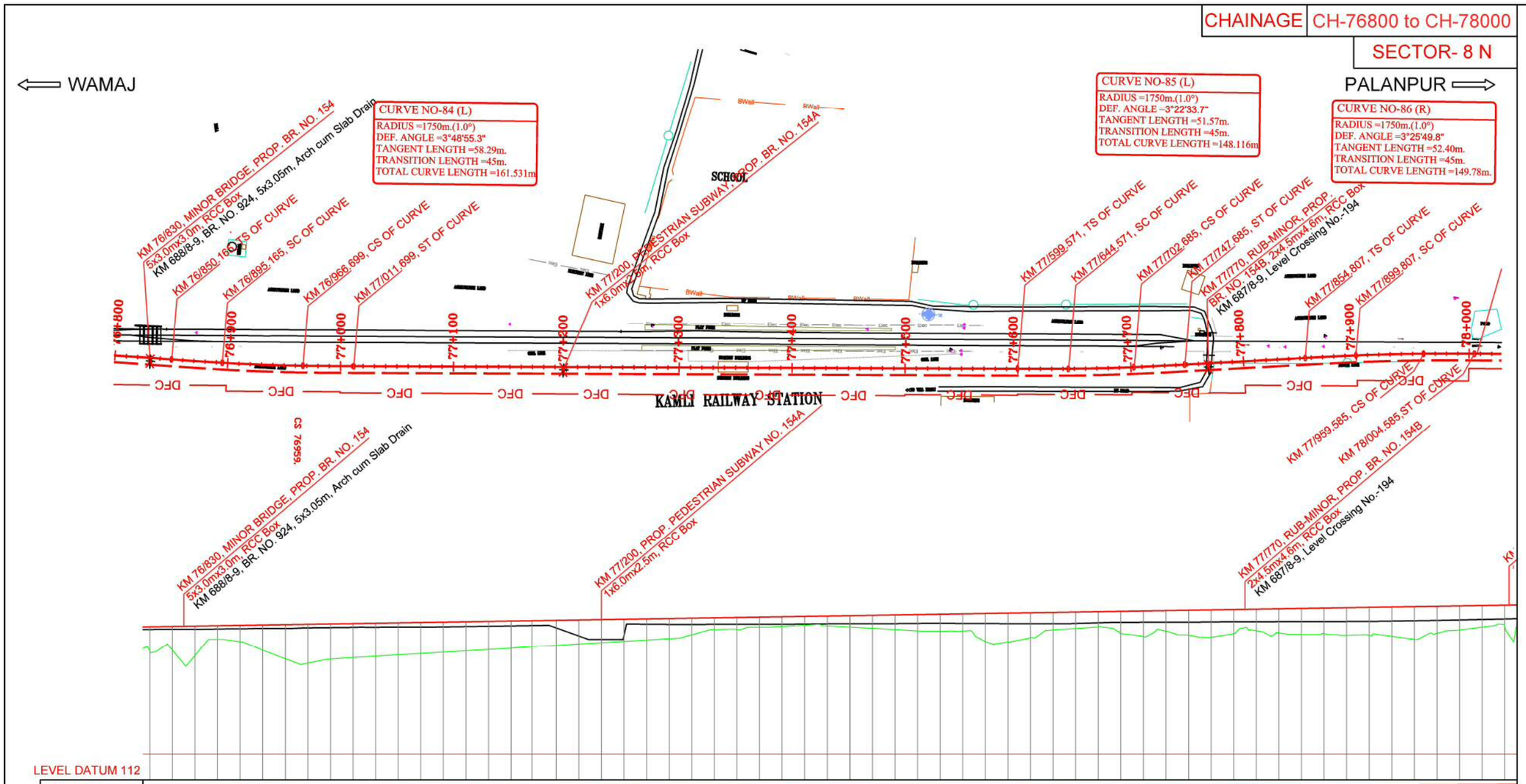
DETAILED PROJECT REPORT
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 75.600 to Km 76.800)

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-76800 to CH-78000
SECTOR- 8 N	

V-2-5-236



Vertical Alignment	
Horizontal Alignment	L=87.956m; L=45 m; R=1750 m (TCL=161.531m); L=45 m; L=587.872m; L=45 m; R=1750m (TCL=148.115m); L=45 m; L=107.122m; L=45 m; R=1750 m (TCL= 149.780); L=45 m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
76800.0	-18.137	2.155	125.535	125.299	123.380
76820.0	-18.663	2.112	125.567	125.309	123.455
76840.0	-17.799	2.594	125.599	125.312	123.005
76860.0	-17.654	1.222	125.631	125.344	124.409
76880.0	-18.190	1.453	125.663	125.358	124.210
76900.0	-18.981	2.233	125.695	125.386	123.462
76920.0	-19.843	3.033	125.727	125.395	122.694
76940.0	-20.361	3.438	125.759	125.447	122.321
76960.0	-20.759	3.108	125.791	125.474	122.683
76980.0	-20.984	3.008	125.823	125.494	122.815
77000.0	-21.042	2.917	125.855	125.500	122.938
77020.0	-21.035	2.830	125.887	125.502	123.057
77040.0	-21.076	2.743	125.919	125.506	123.176
77060.0	-21.075	2.657	125.951	125.531	123.294
77080.0	-21.038	2.570	125.983	125.563	123.413
77100.0	-21.026	2.483	126.015	125.591	123.532
77120.0	-21.032	2.397	126.047	125.618	123.650
77140.0	-21.040	2.310	126.079	125.645	123.769
77160.0	-21.039	2.224	126.111	125.327	123.887
77180.0	-21.030	2.137	126.143	124.613	124.006
77200.0	-21.012	2.050	126.175	124.403	124.125
77220.0	-21.028	1.964	126.207	125.772	124.243
77240.0	-21.093	1.877	126.239	125.758	124.362
77260.0	-21.065	1.791	126.271	125.743	124.480
77280.0	-21.056	1.464	126.303	125.746	124.839
77300.0	-21.053	1.046	126.335	125.757	125.289
77320.0	-21.050	1.068	126.367	125.765	125.299
77340.0	-21.058	0.906	126.399	125.767	125.493
77360.0	-21.049	0.864	126.431	125.769	125.567
77380.0	-20.982	0.780	126.463	125.791	125.683
77400.0	-20.860	0.865	126.495	125.815	125.630
77420.0	-20.723	1.011	126.527	125.818	125.516
77440.0	-20.611	1.157	126.559	125.813	125.402
77460.0	-20.555	1.303	126.591	125.821	125.288
77480.0	-20.535	1.449	126.623	125.840	125.174
77500.0	-20.519	1.511	126.655	125.845	125.144
77520.0	-20.497	1.541	126.687	125.835	125.146
77540.0	-20.474	2.504	126.719	125.826	124.215
77560.0	-20.443	2.563	126.751	125.817	124.188
77580.0	-20.408	2.222	126.783	125.812	124.561
77600.0	-20.371	1.559	126.815	125.809	125.256
77620.0	-20.312	1.454	126.847	125.839	125.393
77640.0	-20.253	1.346	126.879	125.903	125.533
77660.0	-20.048	1.976	126.911	125.939	124.935
77680.0	-19.307	2.271	126.943	125.948	124.672
77700.0	-18.707	1.819	126.975	125.953	125.156
77720.0	-19.924	2.204	127.007	125.944	124.803
77740.0	-20.864	2.423	127.039	125.969	124.616
77760.0	-20.366	2.144	127.071	125.985	124.927
77780.0	-20.366	2.176	127.103	125.989	124.927
77800.0	-17.931	2.135	127.135	125.993	125.000
77820.0	-16.689	2.301	127.167	125.996	124.866
77840.0	-15.460	2.260	127.199	126.001	124.939
77860.0	-14.248	2.446	127.231	126.008	124.785
77880.0	-13.085	2.477	127.263	126.016	124.786
77900.0	-12.051	2.605	127.295	126.047	124.680
77920.0	-11.217	2.896	127.327	126.077	124.431
77940.0	-10.598	2.385	127.359	126.109	124.974
77960.0	-10.177	2.129	127.391	126.142	125.262
77980.0	-9.985	1.915	127.423	126.194	125.508
78000.0	-9.971	1.863	127.455	126.235	125.592

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 76.800 to Km 78.000)

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