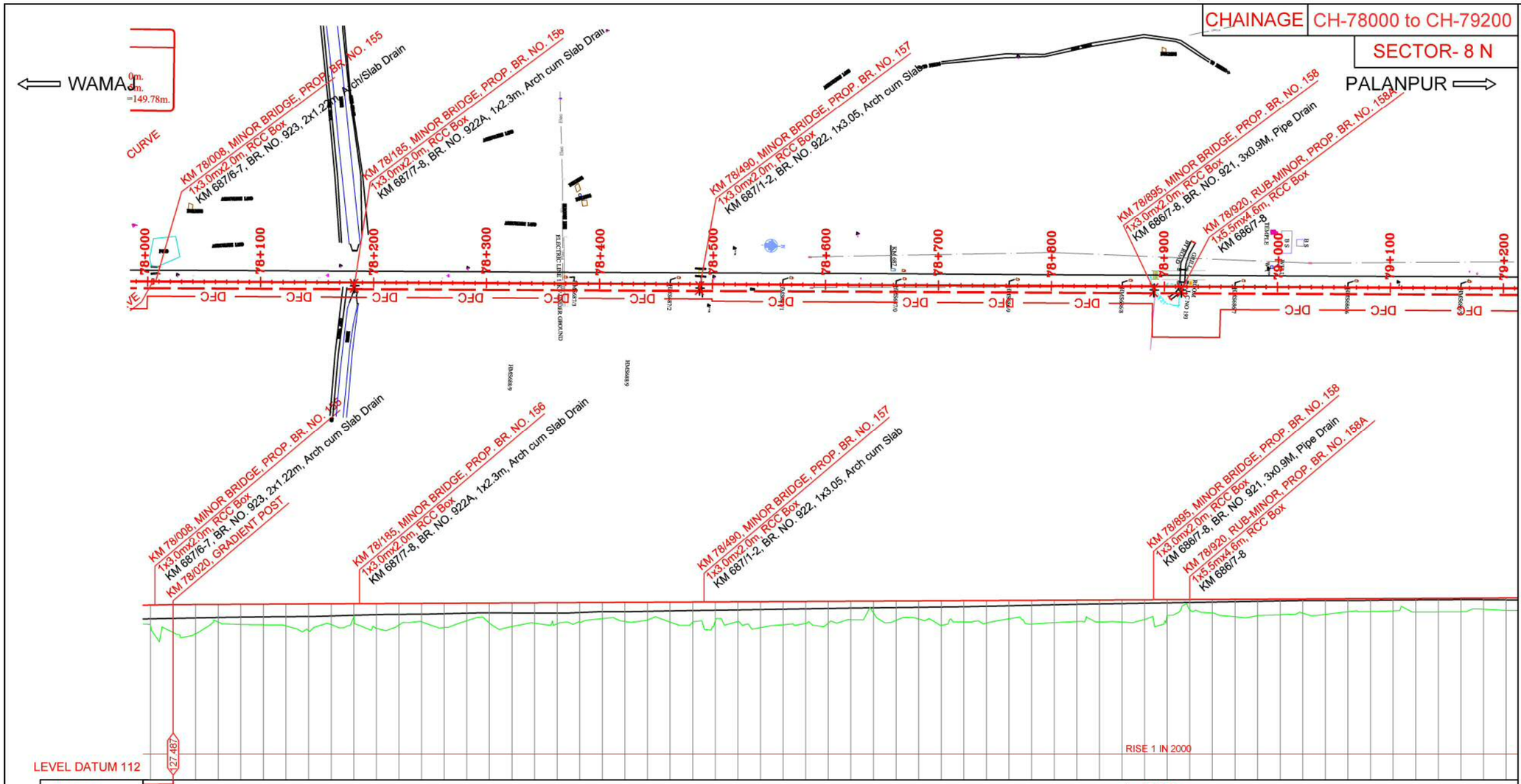
V-2-5-237

CHAINAGE CH-78000 to CH-79200

SECTOR- 8 N



Vertical Alignment: L = 1740.00 m, G= 0.050%

Horizontal Alignment: L=1617.977m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
78000.0	-9.971	1.863	127.455	126.235	125.592
78020.0	-10.001	2.456	127.487	126.276	125.031
78040.0	-10.008	2.592	127.497	126.317	124.905
78060.0	-10.007	1.561	127.507	126.358	125.946
78080.0	-10.004	1.773	127.517	126.387	125.744
78100.0	-9.997	1.815	127.527	126.409	125.712
78120.0	-9.990	1.927	127.537	126.427	125.610
78140.0	-9.986	2.350	127.547	126.441	125.197
78160.0	-9.988	1.832	127.557	126.502	125.725
78180.0	-9.997	1.118	127.567	126.561	126.449
78200.0	-10.018	2.187	127.577	126.610	125.390
78220.0	-10.026	1.899	127.587	126.635	125.688
78240.0	-10.022	1.626	127.597	126.648	125.971
78260.0	-10.036	2.139	127.607	126.692	125.468
78280.0	-10.057	1.547	127.617	126.737	126.070
78300.0	-10.050	1.753	127.627	126.754	125.874
78320.0	-10.003	2.069	127.637	126.750	125.568
78340.0	-9.958	1.802	127.647	126.747	125.845
78360.0	-9.961	1.853	127.657	126.745	125.804
78380.0	-10.001	1.727	127.667	126.804	125.940
78400.0	-10.035	1.423	127.677	126.862	126.254
78420.0	-10.047	1.682	127.687	126.860	125.005
78440.0	-10.049	1.561	127.697	126.896	126.136
78460.0	-10.050	1.756	127.707	126.931	125.951
78480.0	-10.057	1.740	127.717	126.966	125.977
78500.0	-10.075	1.569	127.727	126.999	126.158
78520.0	-10.095	1.730	127.737	127.031	126.007
78540.0	-10.109	2.280	127.747	127.059	125.467
78560.0	-10.119	2.035	127.757	127.087	125.722
78580.0	-10.123	1.929	127.767	127.120	125.838
78600.0	-10.120	1.914	127.777	127.154	125.863
78620.0	-10.122	1.628	127.787	127.188	126.159
78640.0	-10.132	1.052	127.797	127.211	126.745
78660.0	-10.138	1.702	127.807	127.233	126.105
78680.0	-10.129	1.600	127.817	127.258	126.217
78700.0	-10.103	2.163	127.827	127.284	125.664
78720.0	-10.065	1.871	127.837	127.311	125.966
78740.0	-10.033	1.989	127.847	127.353	125.858
78760.0	-9.992	1.610	127.857	127.395	126.247
78780.0	-9.969	2.085	127.867	127.437	125.782
78800.0	-9.950	1.981	127.877	127.479	125.896
78820.0	-9.937	1.885	127.887	127.521	126.002
78840.0	-9.934	1.943	127.897	127.552	125.954
78860.0	-9.937	1.961	127.907	127.582	125.946
78880.0	-9.938	1.740	127.917	127.617	126.177
78900.0	-9.939	1.410	127.927	127.655	126.517
78920.0	-9.935	0.892	127.937	127.692	127.045
78940.0	-9.916	1.201	127.947	127.726	126.746
78960.0	-9.886	1.539	127.957	127.760	126.418
78980.0	-9.889	1.454	127.967	127.791	126.513
79000.0	-9.893	1.375	127.977	127.819	126.602
79020.0	-9.902	1.259	127.987	127.844	126.728
79040.0	-9.924	1.368	127.997	127.844	126.629
79060.0	-9.924	1.378	128.007	127.843	126.629
79080.0	-9.937	1.140	128.017	127.866	126.877
79100.0	-9.907	1.086	128.027	127.898	126.941
79120.0	-9.910	1.204	128.037	127.911	126.833
79140.0	-9.945	1.195	128.047	127.920	126.852
79160.0	-9.983	1.185	128.057	127.929	126.872
79180.0	-9.998	0.988	128.067	127.921	127.079
79200.0	-9.999	1.093	128.077	127.905	126.982

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
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DETAILED PROJECT REPORT

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

PLAN & PROFILE
(Km 78.000 to Km 79.200)

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

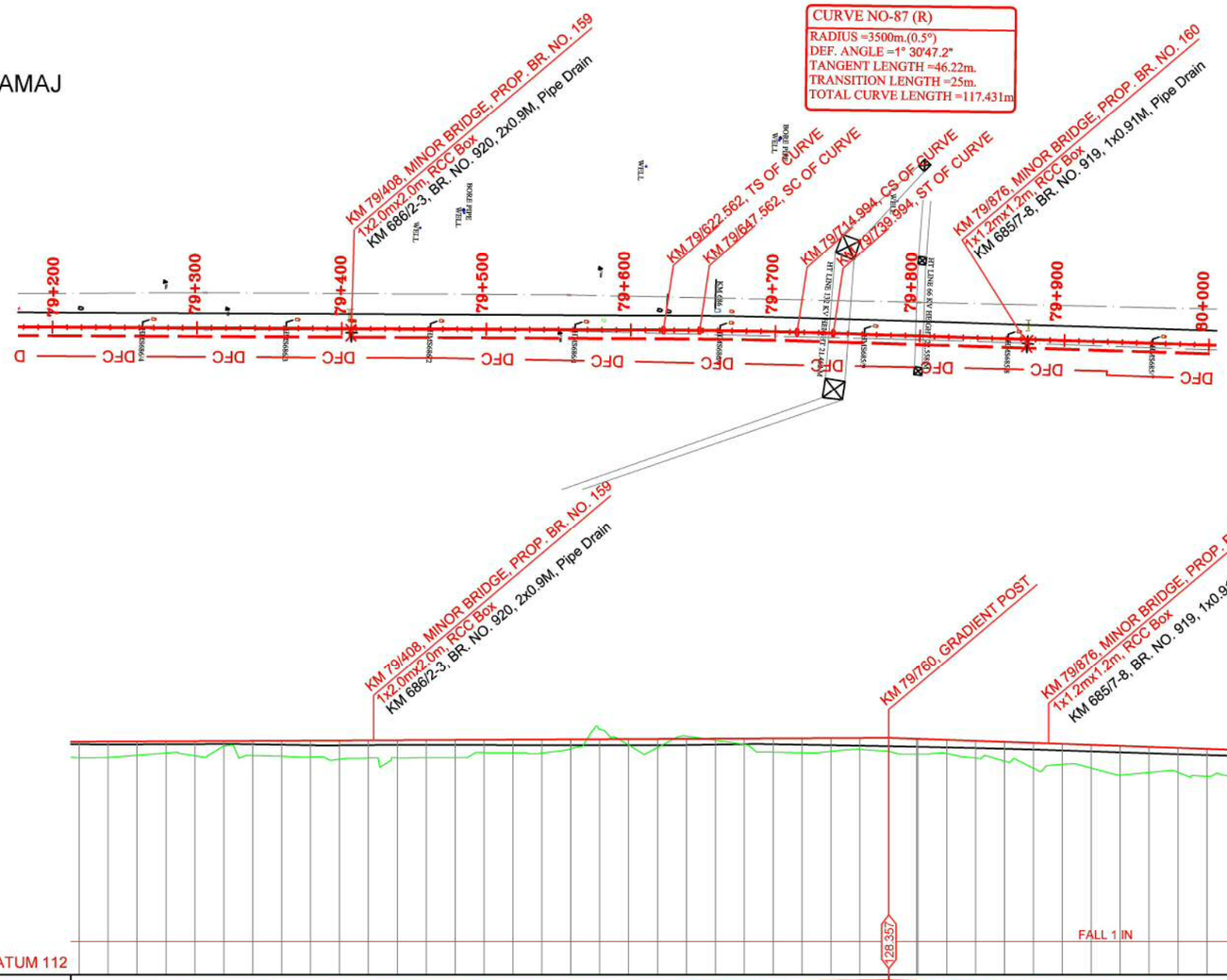
CHAINAGE	CH-79200 to CH-80000
SECTOR- 8 N	

V-2-5-238

⟸ WAMAJ

PALANPUR ⟹

CURVE NO-87 (R)
RADIUS =3500m.(0.5°)
DEF. ANGLE =1° 30'47.2"
TANGENT LENGTH =46.22m.
TRANSITION LENGTH =25m.
TOTAL CURVE LENGTH =117.431m



LEVEL DATUM 112

Vertical Alignment

Horizontal Alignment: L=1617.977m | L=25 m | R=3500 m | L=25 m | L=1547.993m | TCL=117.427m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
79200.0	-9.999	1.095	128.077	127.906	126.982
79220.0	-10.000	1.092	128.087	127.894	126.995
79240.0	-10.008	0.948	128.097	127.900	127.149
79260.0	-10.016	0.802	128.107	127.906	127.305
79280.0	-10.014	1.010	128.117	127.916	127.107
79300.0	-10.006	0.348	128.127	127.926	127.779
79320.0	-10.010	1.002	128.137	127.897	127.135
79340.0	-10.024	1.069	128.147	127.863	127.078
79360.0	-10.043	1.131	128.157	127.828	127.026
79380.0	-10.068	1.291	128.167	127.832	126.876
79400.0	-10.101	1.220	128.177	127.849	126.957
79420.0	-10.111	1.219	128.187	127.860	126.968
79440.0	-10.079	1.218	128.197	127.859	126.979
79460.0	-10.036	1.231	128.207	127.858	126.976
79480.0	-10.014	0.888	128.217	127.851	127.329
79500.0	-10.005	0.904	128.227	127.843	127.323
79520.0	-10.000	0.944	128.237	127.839	127.293
79540.0	-10.000	0.656	128.247	127.838	127.591
79560.0	-10.002	-0.689	128.257	127.837	128.946
79580.0	-10.005	0.412	128.267	127.840	127.855
79600.0	-10.009	0.587	128.277	127.844	127.690
79620.0	-10.004	-0.180	128.287	127.859	128.467
79640.0	-10.050	0.116	128.297	127.889	128.181
79660.0	-10.103	0.414	128.307	127.919	127.893
79680.0	-10.083	0.950	128.317	127.902	127.367
79700.0	-10.033	1.009	128.327	127.867	127.318
79720.0	-10.026	0.920	128.337	127.832	127.417
79740.0	-10.011	0.800	128.347	127.797	127.547
79760.0	-9.998	0.941	128.357	127.762	127.416
79780.0	-10.012	1.063	128.287	127.721	127.224
79800.0	-10.034	0.956	128.217	127.679	127.261
79820.0	-10.046	1.192	128.147	127.637	126.955
79840.0	-10.035	1.334	128.077	127.582	126.743
79860.0	-10.012	1.757	128.007	127.526	126.250
79880.0	-9.994	1.421	127.937	127.464	126.516
79900.0	-9.978	1.606	127.867	127.401	126.261
79920.0	-9.969	2.012	127.797	127.337	125.785
79940.0	-9.971	1.755	127.727	127.274	125.972
79960.0	-9.976	1.687	127.657	127.211	125.970
79980.0	-9.969	1.888	127.587	127.152	125.699
80000.0	-9.952	1.879	127.517	127.093	125.638

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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DFCC NEW DELHI

NJPL CONSORTIUM

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 79.200 to Km 80.000)

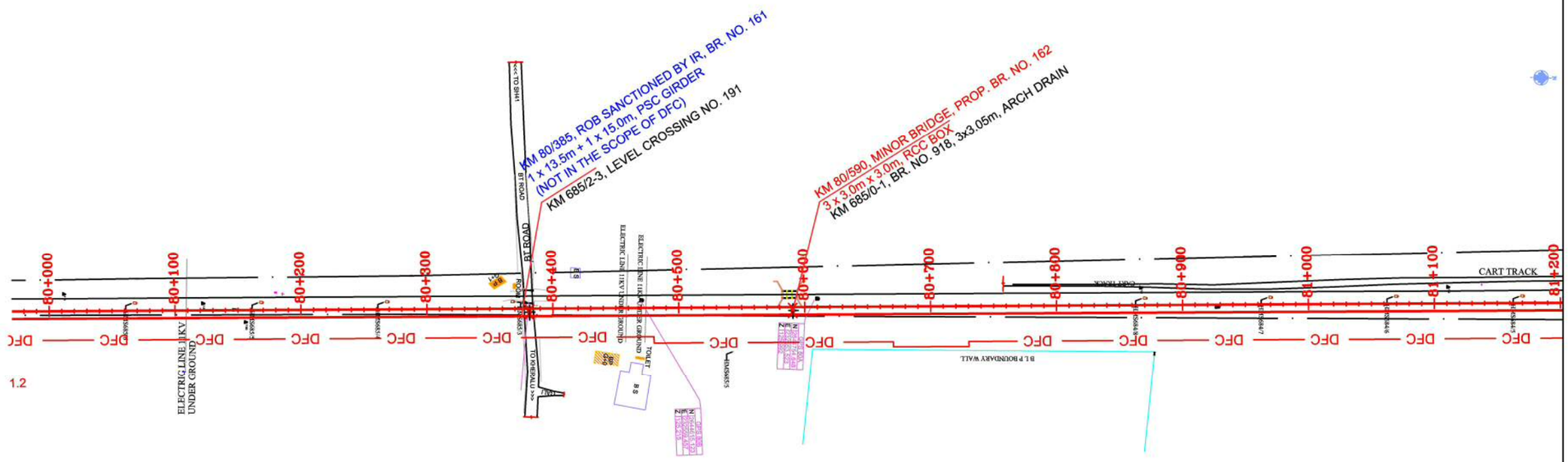
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

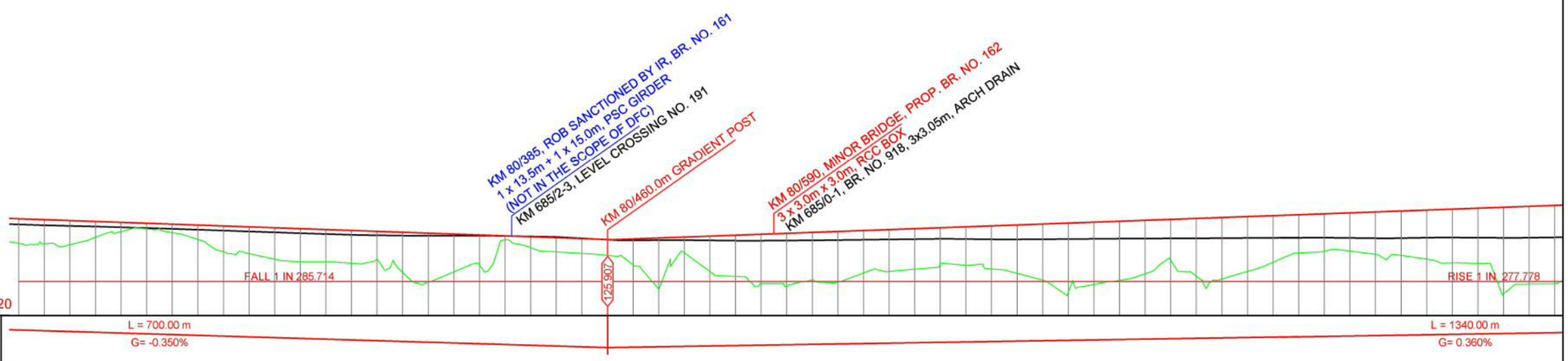
CHAINAGE	CH-80000 TO CH-81200
SECTOR- 8 N	

V-2-5-239

⟸ WAMAJ

PALANPUR ⟹





Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
80000.0	-9.952	1.879	127.517	127.093	125.638
80020.0	-9.948	1.852	127.447	127.037	125.595
80040.0	-9.968	1.849	127.377	126.986	125.537
80060.0	-9.997	1.192	127.307	126.936	126.115
80080.0	-10.027	0.689	127.237	126.875	126.557
80100.0	-10.058	0.405	127.167	126.812	126.762
80120.0	-10.082	0.632	127.097	126.749	126.465
80140.0	-10.099	1.088	127.027	126.686	125.939
80160.0	-10.108	1.958	126.957	126.623	124.999
80180.0	-10.106	2.038	126.887	126.555	124.849
80200.0	-10.094	2.397	126.817	126.486	124.420
80220.0	-10.083	2.552	126.747	126.418	124.195
80240.0	-10.080	2.489	126.677	126.353	124.197
80260.0	-10.083	2.504	126.607	126.288	124.103
80280.0	-10.104	2.123	126.537	126.257	124.414
80300.0	-10.134	3.083	126.467	126.234	123.384
80320.0	-10.126	3.795	126.397	126.231	122.602
80340.0	-10.080	2.885	126.327	126.233	123.442
80360.0	-10.031	2.293	126.257	126.235	123.964
80380.0	-10.002	0.272	126.187	126.208	125.915
80400.0	-9.980	0.818	126.117	126.175	125.299
80420.0	-9.989	1.065	126.047	126.124	124.982
80440.0	-10.053	1.117	125.977	126.015	124.860
80440.0	-10.053	1.047	125.907	125.905	124.860
80460.0	-10.172	2.021	125.979	125.877	123.958
80480.0	-10.165	4.009	126.051	125.887	122.051
80500.0	-10.133	1.221	126.123	125.889	124.902
80520.0	-10.094	2.739	126.195	125.866	123.459
80540.0	-10.064	3.188	126.267	125.844	123.079
80560.0	-10.058	3.868	126.339	125.846	122.471
80580.0	-10.062	4.119	126.411	125.858	122.292
80600.0	-10.066	3.671	126.483	125.871	122.812
80620.0	-10.066	3.949	126.555	125.895	122.606
80640.0	-10.065	3.278	126.627	125.920	123.349
80660.0	-10.061	3.236	126.699	125.945	123.463
80680.0	-10.055	3.139	126.771	125.970	123.632
80700.0	-10.046	2.746	126.843	125.994	124.097
80720.0	-10.033	2.974	126.915	125.974	123.941
80740.0	-10.019	3.323	126.987	125.953	123.664
80760.0	-10.012	3.744	127.059	125.956	123.315
80780.0	-10.013	4.336	127.131	125.968	122.795
80800.0	-10.014	5.379	127.203	125.981	121.824
80820.0	-10.009	4.855	127.275	125.996	122.420
80840.0	-10.004	4.575	127.347	126.012	122.772
80860.0	-10.003	4.134	127.419	126.021	123.285
80880.0	-10.007	3.168	127.491	126.028	124.331
80900.0	-10.011	4.468	127.563	126.036	123.095
80920.0	-10.008	4.759	127.635	126.046	122.885
80940.0	-10.006	4.229	127.707	126.057	123.478
80960.0	-10.008	3.592	127.779	126.065	124.187
80980.0	-10.016	2.966	127.851	126.073	124.891
81000.0	-10.019	2.897	127.923	126.075	125.026
81020.0	-10.019	2.953	127.995	126.050	125.042
81040.0	-10.010	3.273	128.067	126.026	124.794
81060.0	-9.977	3.442	128.139	126.042	124.697
81080.0	-9.922	3.787	128.211	126.076	124.424
81100.0	-9.906	4.161	128.283	126.083	124.122
81120.0	-9.943	4.257	128.355	126.071	124.098
81140.0	-9.992	6.728	128.427	126.058	121.699
81160.0	-10.023	6.05	128.499	126.074	122.448
81180.0	-10.047	6.094	128.571	126.101	125.[illegible]
81200.0					

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

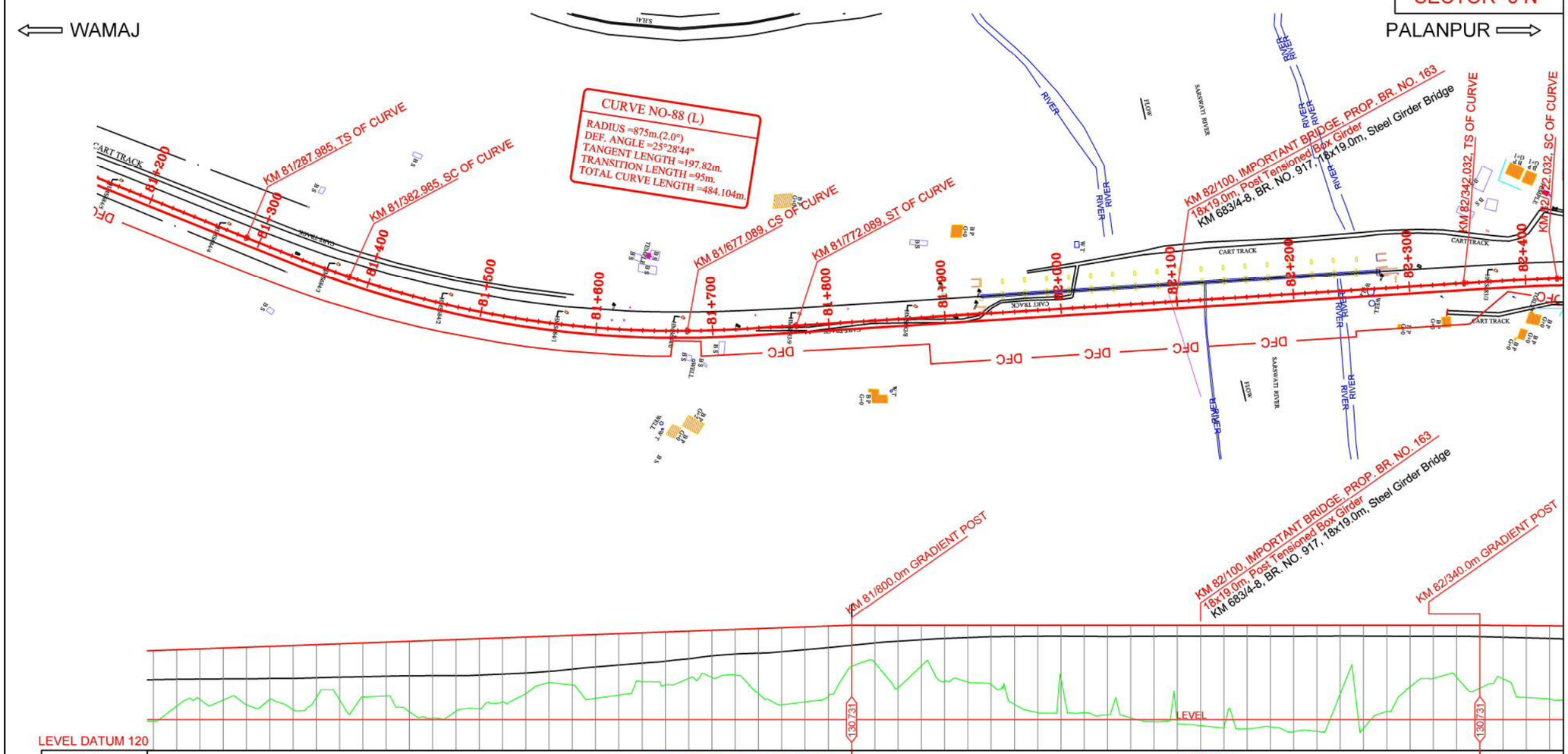
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 80.000 to Km 81.200)

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-81200 TO CH-82400
SECTOR- 8 N	

V-2-5-240



Vertical Alignment	L = 540.00 m; G= 0.000%
Horizontal Alignment	L=95 m; R=875 m; L=484.104m; L=95 m; L=569.943m; L=80 m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
81200.0	-10.047	6.094	128.571	126.101	122.477
81220.0	-10.058	4.809	128.643	126.128	123.843
81240.0	-10.035	4.315	128.715	126.148	124.400
81260.0	-10.007	4.429	128.787	126.168	124.358
81280.0	-10.007	4.902	128.659	126.162	123.957
81300.0	-10.129	4.499	128.931	126.196	124.441
81320.0	-10.394	5.471	129.003	126.209	123.532
81340.0	-10.813	4.494	129.075	126.263	124.581
81360.0	-11.320	4.799	129.147	126.314	124.348
81380.0	-11.879	4.601	129.219	126.354	124.618
81400.0	-12.439	4.577	129.291	126.394	124.714
81420.0	-12.993	6.004	129.363	126.423	123.359
81440.0	-13.546	6.668	129.435	126.436	122.767
81460.0	-14.050	6.105	129.507	126.445	123.402
81480.0	-14.472	5.978	129.579	126.511	123.609
81500.0	-14.784	5.439	129.651	126.598	124.212
81520.0	-15.024	4.816	129.723	126.700	124.907
81540.0	-15.201	3.955	129.795	126.847	125.840
81560.0	-15.433	4.226	129.867	127.058	125.641
81580.0	-15.670	5.438	129.939	127.235	124.501
81600.0	-15.871	5.225	130.011	127.398	124.786
81620.0	-16.052	4.144	130.083	127.558	125.939
81640.0	-16.188	4.515	130.155	127.753	125.640
81660.0	-16.292	4.029	130.227	127.982	126.198
81680.0	-16.175	4.032	130.299	128.192	126.267
81700.0	-16.008	3.882	130.371	128.317	126.489
81720.0	-15.753	5.528	130.443	128.389	124.923
81740.0	-15.473	6.545	130.515	128.562	123.970
81760.0	-15.217	6.391	130.587	128.735	124.196
81780.0	-15.035	6.024	130.659	128.921	124.635
81800.0	-14.969	3.514	130.731	129.112	127.217
81820.0	-14.962	3.211	130.731	129.299	127.520
81840.0	-14.940	5.328	130.731	129.422	125.403
81860.0	-14.940	5.328	130.731	129.544	125.403
81880.0	-14.933	4.741	130.731	129.638	125.990
81900.0	-14.982	4.841	130.731	129.719	125.890
81920.0	-15.020	5.047	130.731	129.769	125.684
81940.0	-15.005	6.747	130.731	129.783	123.984
81960.0	-14.970	7.464	130.731	129.797	123.267
81980.0	-14.957	4.667	130.731	129.790	126.064
82000.0	-14.967	7.458	130.731	129.778	123.273
82020.0	-14.985	7.631	130.731	129.771	123.100
82040.0	-15.005	7.891	130.731	129.787	122.840
82060.0	-15.029	8.270	130.731	129.802	122.461
82080.0	-15.040	8.394	130.731	129.807	122.337
82100.0	-15.030	8.599	130.731	129.806	122.132
82120.0	-15.018	8.785	130.731	129.805	121.946
82140.0	-15.025	8.841	130.731	129.800	121.890
82160.0	-15.044	8.692	130.731	129.794	122.039
82180.0	-15.053	9.097	130.731	129.799	121.634
82200.0	-15.043	9.083	130.731	129.811	121.648
82220.0	-15.027	5.839	130.731	129.821	124.892
82240.0	-15.018	8.808	130.731	129.810	121.923
82260.0	-15.012	7.360	130.731	129.799	123.371
82280.0	-14.995	5.239	130.731	129.794	125.492
82300.0	-14.967	4.523	130.731	129.792	126.208
82320.0	-14.924	4.441	130.731	129.790	126.290
82340.0	-14.868	5.353	130.731	129.737	125.378
82360.0	-14.806	4.549	130.713	129.683	126.164
82380.0	-14.698	6.125	130.695	129.639	124.570
82400.0	-14.634	6.225	130.677	129.584	124.452

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

DETAILED PROJECT REPORT

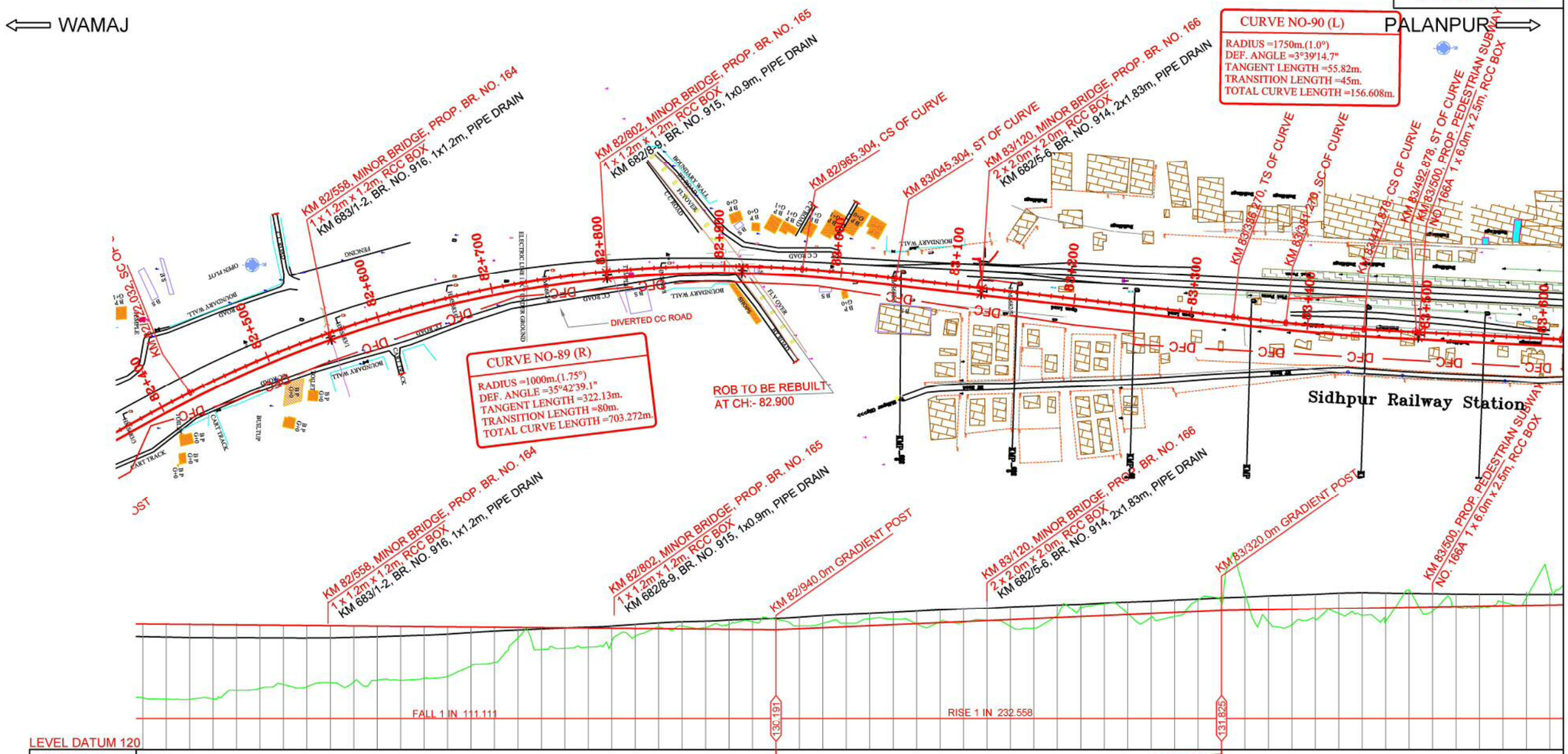
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 81.200 to Km 82.400)

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-82400 TO CH-83600
SECTOR- 8 N	

V-2-5-241



Vertical Alignment

L = 600.00 m, G= - 0.090%

L = 380.00 m, G= 0.430%

Horizontal Alignment

R=1000 m, L=703.272m

L=80 m

L=290.966m

L=45 m, R=1750, L=156.608m, L=45 m

L=123.871m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
82400.0	-14.634	6.225	130.677	129.584	124.452
82420.0	-14.632	6.338	130.659	129.543	124.321
82440.0	-14.742	6.352	130.641	129.513	124.289
82460.0	-14.903	6.272	130.623	129.505	124.351
82480.0	-15.047	5.529	130.605	129.508	125.076
82500.0	-15.135	5.356	130.587	129.496	125.231
82520.0	-15.172	5.012	130.569	129.490	125.557
82540.0	-15.160	5.177	130.551	129.491	125.374
82560.0	-15.092	4.812	130.533	129.511	125.721
82580.0	-14.976	4.723	130.515	129.553	125.792
82600.0	-14.802	4.572	130.497	129.611	125.925
82620.0	-14.581	4.571	130.479	129.675	125.908
82640.0	-14.278	4.361	130.461	129.748	126.100
82660.0	-13.919	4.202	130.443	129.856	126.241
82680.0	-13.443	3.290	130.425	129.982	127.135
82700.0	-12.920	3.001	130.407	130.089	127.406
82720.0	-12.350	0.890	130.389	130.175	129.499
82740.0	-11.748	1.858	130.371	130.267	128.513
82760.0	-11.151	1.737	130.353	130.353	128.616
82780.0	-10.533	1.620	130.335	130.426	128.715
82800.0	-9.880	1.118	130.317	130.529	129.199
82820.0	-9.210	0.668	130.299	130.669	129.631
82840.0	-8.540	-0.122	130.281	130.784	130.403
82860.0	-7.890	-0.243	130.263	130.865	130.506
82880.0	-7.322	-0.128	130.245	130.924	130.373
82900.0	-6.882	-0.421	130.227	131.020	130.648
82920.0	-6.559	-0.653	130.209	131.087	130.862
82940.0	-6.412	-0.872	130.191	131.155	131.063
82960.0	-6.560	-0.232	130.277	131.240	130.509
82980.0	-6.977	-0.375	130.363	131.336	130.738
83000.0	-7.736	-0.286	130.449	131.491	130.735
83020.0	-8.748	-0.590	130.535	131.582	131.125
83040.0	-9.884	-0.470	130.621	131.673	131.091
83060.0	-11.062	0.033	130.707	131.785	130.674
83080.0	-12.263	-0.096	130.793	131.876	130.889
83100.0	-13.449	0.068	130.879	131.962	130.811
83120.0	-14.674	-0.046	130.965	132.049	131.011
83140.0	-15.513	0.579	131.051	132.134	130.472
83160.0	-15.613	0.814	131.137	132.220	130.323
83180.0	-15.196	-0.148	131.223	132.306	131.371
83200.0	-14.901	-0.802	131.309	132.392	132.111
83220.0	-15.273	-1.011	131.395	132.478	132.406
83240.0	-16.322	-0.079	131.481	132.564	131.560
83260.0	-17.562	0.344	131.567	132.650	131.223
83280.0	-18.768	0.335	131.653	132.736	131.318
83300.0	-19.982	-1.012	131.739	132.822	132.751
83320.0	-21.211	-0.596	131.825	132.908	132.421
83340.0	-22.447	-1.452	131.859	132.994	133.311
83360.0	-23.645	1.025	131.894	133.080	130.869
83380.0	-24.735	1.343	131.928	133.166	130.585
83400.0	-25.636	0.857	131.962	133.252	131.105
83420.0	-26.305	0.431	131.996	133.338	131.565
83440.0	-26.748	0.629	132.031	133.349	131.402
83460.0	-26.997	1.159	132.065	133.322	130.906
83480.0	-27.121	-1.493	132.099	133.292	133.592
83500.0	-27.185	0.357	132.134	133.268	131.777
83520.0	-27.241	0.026	132.168	133.246	132.142
83540.0	-27.295	0.110	132.202	133.226	132.092
83560.0	-27.337	-0.331	132.236	133.215	132.567
83580.0	-27.370	-0.685	132.271	133.205	132.955
83600.0	-27.397	-1.813	132.305	133.261	134.121

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
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- Proposed DFC
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- 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

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 82.400 to Km 83.600)

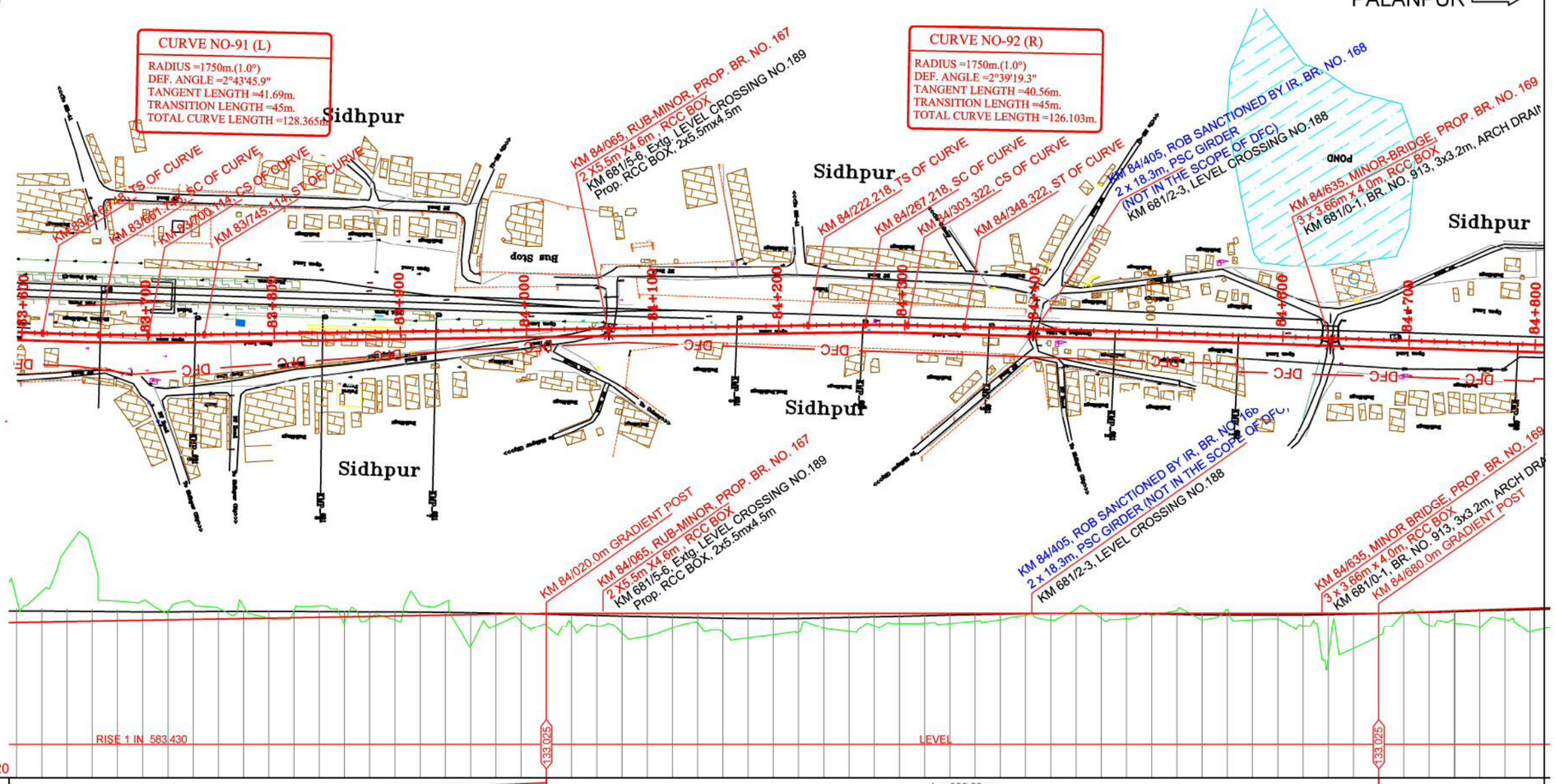
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-83600 TO CH-84800
SECTOR- 8 N	

V-2-5-242

⟸ WAMAJ

PALANPUR ⟹



Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-27.397	-1.816	132.305	133.201	134.121	83600.0
-27.414	-2.428	132.339	133.199	134.767	83620.0
-27.386	-5.809	132.373	133.193	138.182	83640.0
-27.246	-5.287	132.408	133.172	137.695	83660.0
-26.919	-1.549	132.442	133.151	133.991	83680.0
-26.373	-1.530	132.476	133.144	134.006	83700.0
-25.638	-0.650	132.511	133.141	133.161	83720.0
-24.790	-1.206	132.545	133.152	133.751	83740.0
-23.907	-0.854	132.579	133.165	133.433	83760.0
-23.024	-0.936	132.613	133.174	133.549	83780.0
-22.129	0.023	132.648	133.171	132.625	83800.0
-21.225	-0.586	132.682	133.167	133.268	83820.0
-20.318	-0.899	132.716	133.160	133.615	83840.0
-19.409	0.463	132.751	133.152	132.288	83860.0
-18.499	0.137	132.785	133.142	132.648	83880.0
-17.585	0.343	132.819	133.133	132.476	83900.0
-16.668	-0.826	132.853	133.124	133.679	83920.0
-15.754	-1.036	132.888	133.102	133.924	83940.0
-14.853	2.532	132.922	133.070	130.390	83960.0
-13.960	0.892	132.956	133.037	132.064	83980.0
-13.032	0.699	132.991	132.996	132.292	84000.0
-12.138	1.000	133.025	132.947	132.025	84020.0
-11.882	0.866	133.025	132.899	132.159	84040.0
-12.275	1.021	133.025	132.850	132.004	84060.0
-13.108	1.583	133.025	132.805	131.442	84080.0
-13.331	1.815	133.025	132.761	131.210	84100.0
-13.141	1.179	133.025	132.717	131.846	84120.0
-12.487	0.758	133.025	132.672	132.267	84140.0
-11.521	1.536	133.025	132.635	131.489	84160.0
-10.639	1.969	133.025	132.612	131.056	84180.0
-9.768	1.709	133.025	132.589	131.316	84200.0
-8.891	1.491	133.025	132.618	131.534	84220.0
-8.032	1.186	133.025	132.657	131.839	84240.0
-7.256	1.449	133.025	132.698	131.576	84260.0
-6.634	1.015	133.025	132.743	132.010	84280.0
-6.222	0.823	133.025	132.787	132.202	84300.0
-6.020	0.800	133.025	132.831	132.225	84320.0
-5.961	0.827	133.025	132.875	132.198	84340.0
-5.962	0.626	133.025	132.917	132.399	84360.0
-5.966	0.530	133.025	132.956	132.495	84380.0
-5.972	0.150	133.025	132.996	132.875	84400.0
-5.990	0.542	133.025	133.012	132.483	84420.0
-6.030	-0.349	133.025	133.024	133.374	84440.0
-6.073	0.388	133.025	133.021	132.637	84460.0
-6.098	0.425	133.025	132.991	132.600	84480.0
-6.107	0.173	133.025	132.960	132.852	84500.0
-6.106	-0.227	133.025	132.929	133.252	84520.0
-6.102	0.532	133.025	132.898	132.493	84540.0
-6.100	-0.291	133.025	132.880	133.316	84560.0
-6.103	0.540	133.025	132.878	132.485	84580.0
-6.105	0.486	133.025	132.876	132.539	84600.0
-6.106	1.017	133.025	132.887	132.008	84620.0
-6.103	3.483	133.025	132.920	129.542	84640.0
-6.098	2.779	133.025	132.953	130.246	84660.0
-6.093	1.821	133.025	132.996	131.204	84680.0
-6.093	0.047	133.091	133.051	133.044	84700.0
-6.094	1.079	133.157	133.106	132.078	84720.0
-6.082	0.826	133.223	133.161	132.397	84740.0
-6.056	-1.431	133.289	133.216	131.858	84760.0
-6.032	0.819	133.355	133.268	132.536	84780.0
-6.020	1.658	133.421	133.315	131.763	84800.0

LEGEND

- Proposed ROW
- Land Boundary
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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 83.600 to Km 84.800)

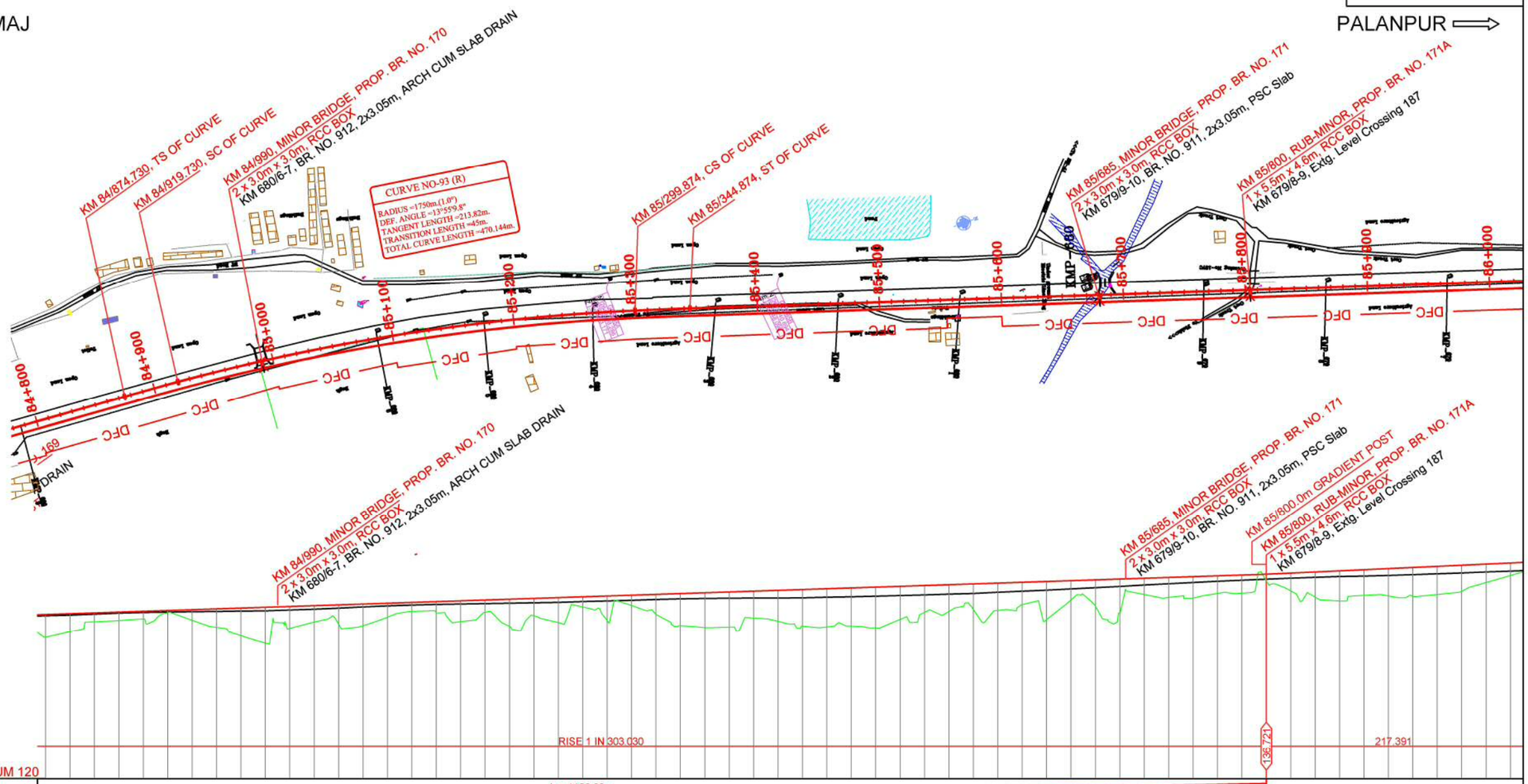
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-84800 TO CH-86000
SECTOR- 8 N	

V-2-5-243

⟸ WAMAJ

PALANPUR ⟹



LEVEL DATUM 120

Vertical Alignment	L = 1120.00 m, G= 0.330%	L = 1580.00 m, G= 0.460%
Horizontal Alignment	L=45 m; R=1750 m, L=470.144m; L=45 m	L=2628.786m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
84800.0	-6.020	1.858	133.421	133.315	131.563
84820.0	-6.014	1.488	133.487	133.364	131.999
84840.0	-6.011	0.725	133.553	133.453	132.828
84860.0	-6.018	0.692	133.619	133.541	132.927
84880.0	-6.002	0.613	133.685	133.593	133.072
84900.0	-6.010	0.179	133.751	133.629	133.572
84920.0	-6.098	0.864	133.817	133.662	132.953
84940.0	-6.294	1.507	133.883	133.683	132.376
84960.0	-6.652	2.279	133.949	133.704	131.670
84980.0	-7.135	2.940	134.015	133.724	131.075
85000.0	-7.686	1.790	134.081	133.788	132.291
85020.0	-8.321	1.329	134.147	133.865	132.818
85040.0	-8.995	1.592	134.213	133.953	132.621
85060.0	-9.676	1.766	134.279	134.049	132.513
85080.0	-10.336	1.139	134.345	134.135	133.206
85100.0	-10.896	0.733	134.411	134.201	133.678
85120.0	-11.349	0.900	134.477	134.256	133.577
85140.0	-11.559	1.698	134.543	134.291	132.845
85160.0	-11.556	0.996	134.609	134.325	133.613
85180.0	-11.420	2.235	134.675	134.354	132.440
85200.0	-11.081	1.424	134.741	134.381	133.317
85220.0	-10.760	2.040	134.807	134.422	132.767
85240.0	-10.748	0.830	134.873	134.481	134.043
85260.0	-10.793	2.010	134.939	134.539	132.929
85280.0	-8.415	0.846	135.005	134.595	134.159
85300.0	-5.107	1.615	135.071	134.651	133.456
85320.0	-12.927	2.637	135.137	134.712	132.500
85340.0	-14.243	2.846	135.203	134.740	132.357
85360.0	-10.574	2.882	135.269	134.765	132.387
85380.0	-10.152	2.199	135.335	134.770	133.136
85400.0	-10.133	2.545	135.401	134.775	132.855
85420.0	-10.117	2.989	135.467	134.797	132.478
85440.0	-10.115	3.129	135.533	134.836	132.404
85460.0	-10.113	3.134	135.599	134.877	132.465
85480.0	-10.097	3.353	135.665	134.929	132.312
85500.0	-10.070	2.704	135.731	134.982	133.027
85520.0	-10.046	2.188	135.797	135.037	133.609
85540.0	-10.021	2.182	135.863	135.094	133.681
85560.0	-10.003	2.110	135.929	135.155	133.819
85580.0	-10.002	2.230	135.995	135.244	133.765
85600.0	-10.014	1.827	136.061	135.333	134.234
85620.0	-10.024	3.115	136.127	135.427	133.012
85640.0	-10.021	1.565	136.193	135.524	134.628
85660.0	-10.012	2.178	136.259	135.623	134.081
85680.0	-9.990	2.786	136.325	135.732	133.539
85700.0	-9.950	1.333	136.391	135.841	135.058
85720.0	-9.921	1.637	136.457	135.950	134.820
85740.0	-9.936	1.747	136.523	136.053	134.776
85760.0	-9.994	1.435	136.589	136.152	135.154
85780.0	-10.015	1.482	136.655	136.235	135.173
85800.0	-9.997	0.548	136.721	136.318	136.173
85820.0	-9.970	1.462	136.813	136.401	135.351
85840.0	-9.955	2.057	136.905	136.467	134.848
85860.0	-9.946	2.453	136.997	136.531	134.544
85880.0	-9.950	2.100	137.089	136.578	134.989
85900.0	-9.966	2.230	137.181	136.625	134.951
85920.0	-9.972	2.348	137.273	136.688	134.925
85940.0	-9.964	2.300	137.365	136.756	135.065
85960.0	-9.952	2.134	137.457	136.826	135.323
85980.0	-9.942	1.507	137.549	136.905	136.042
86000.0	-9.933	1.027	137.641	136.984	136.614

LEGEND

- Proposed ROW
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- Proposed DFC
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- BT Road
- PC=Point of Curvature
- PT=Point of Tangency
- TS=Tangent to Spiral
- SC=Spiral to Curve
- CS=Curve to Spiral
- ST=Spiral to Tangent

JULY-11			
DATE	DESCRIPTION	CHKD	APPRD
REVISIONS			

सर्टिफिकेट ऑफ 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 84.800 to Km 86.000)

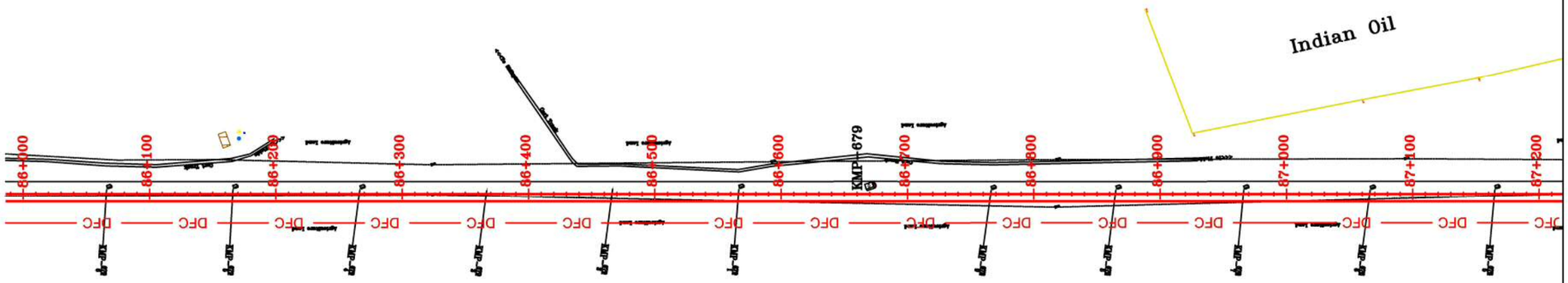
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

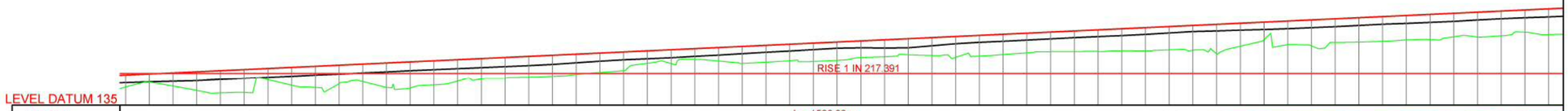
CHAINAGE	CH-86000 TO CH-87200
SECTOR- 8 N	

V-2-5-244

⇦ WAMAJ

PALANPUR ⇨





Vertical Alignment: L = 1580.00 m, G= 0.460%

Horizontal Alignment: L=2628.786m

Chainage	Ground levels	Existing Formation Levels	Proposed Formation Levels	Cut/Fill	Distance between Existing Track & Proposed Track
86000.0	136.614	136.984	137.641	1.027	-9.933
86020.0	137.043	137.047	137.733	0.690	-9.925
86040.0	136.690	137.101	137.825	1.135	-9.918
86060.0	136.327	137.162	137.917	1.590	-9.915
86080.0	136.120	137.253	138.009	1.889	-9.924
86100.0	136.157	137.345	138.101	1.944	-9.941
86120.0	137.235	137.437	138.193	0.958	-9.949
86140.0	136.772	137.530	138.285	1.513	-9.950
86160.0	136.573	137.623	138.377	1.804	-9.950
86180.0	136.907	137.719	138.469	1.562	-9.951
86200.0	137.073	137.815	138.561	1.488	-9.952
86220.0	136.564	137.909	138.653	2.089	-9.954
86240.0	136.531	138.000	138.745	2.214	-9.961
86260.0	136.798	138.090	138.837	2.039	-9.968
86280.0	137.125	138.174	138.929	1.804	-9.962
86300.0	137.288	138.259	139.021	1.733	-9.947
86320.0	137.333	138.344	139.113	1.780	-9.950
86340.0	137.459	138.431	139.205	1.746	-9.995
86360.0	137.533	138.525	139.297	1.764	-10.042
86380.0	137.681	138.663	139.389	1.708	-10.045
86400.0	137.855	138.802	139.481	1.626	-10.014
86420.0	138.003	138.914	139.573	1.570	-9.985
86440.0	138.625	139.002	139.665	1.040	-9.971
86460.0	138.593	139.093	139.757	1.164	-9.961
86480.0	138.945	139.203	139.849	0.904	-9.948
86500.0	138.810	139.312	139.941	1.131	-9.933
86520.0	138.607	139.423	140.033	1.426	-9.927
86540.0	138.717	139.536	140.125	1.408	-9.935
86560.0	138.838	139.649	140.217	1.379	-9.950
86580.0	138.779	139.769	140.309	1.530	-9.959
86600.0	138.872	139.888	140.401	1.529	-9.967
86620.0	139.094	139.920	140.493	1.399	-10.003
86640.0	139.177	139.904	140.585	1.408	-10.104
86660.0	139.342	139.915	140.677	1.335	-10.195
86680.0	139.271	140.083	140.769	1.498	-10.174
86700.0	139.114	140.251	140.861	1.747	-10.070
86720.0	139.222	140.372	140.953	1.731	-9.991
86740.0	139.352	140.465	141.045	1.693	-9.974
86760.0	139.491	140.558	141.137	1.646	-9.972
86780.0	139.585	140.656	141.229	1.644	-9.945
86800.0	139.601	140.755	141.321	1.720	-9.909
86820.0	139.602	140.844	141.413	1.811	-9.908
86840.0	139.666	140.931	141.505	1.839	-9.955
86860.0	139.642	141.027	141.597	1.955	-10.006
86880.0	139.744	141.152	141.689	1.945	-10.026
86900.0	139.719	141.271	141.781	2.062	-10.033
86920.0	139.410	141.327	141.873	2.463	-10.045
86940.0	140.049	141.382	141.965	1.916	-10.058
86960.0	140.614	141.441	142.057	1.443	-10.078
86980.0	140.182	141.514	142.149	1.967	-10.109
87000.0	140.067	141.588	142.241	2.174	-10.150
87020.0	140.363	141.682	142.333	1.970	-10.171
87040.0	140.394	141.784	142.425	2.031	-10.157
87060.0	140.450	141.880	142.517	2.067	-10.139
87080.0	140.563	141.954	142.609	2.046	-10.154
87100.0	140.600	142.027	142.701	2.101	-10.188
87120.0	140.836	142.122	142.793	1.957	-10.210
87140.0	140.816	142.229	142.885	2.069	-10.212
87160.0	140.919	142.335	142.977	2.057	-10.206
87180.0	141.[illegible]	142.414	143.060	1.847	-10.198
87200.0	141.[illegible]	142.489	143.161	2.145	-10.188

LEGEND

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

REVISIONS

सर्टिफिकेटेड फ्रेट कॉरीडोर

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Ministry of Railways

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DETAILED PROJECT REPORT

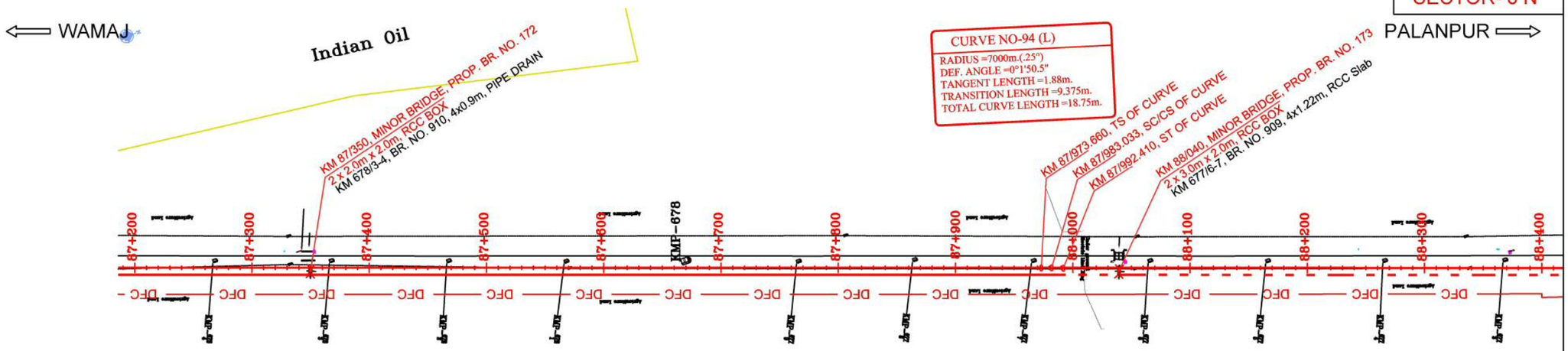
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

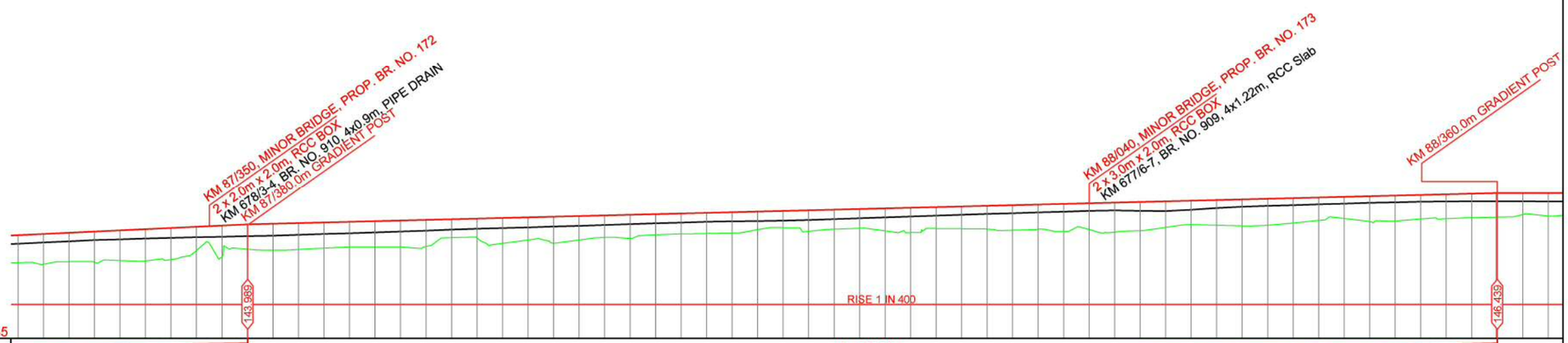
PLAN & PROFILE
(Km 86.000 to Km 87.200)

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-87200 TO CH-88400
	SECTOR- 8 N

V-2-5-245





Vertical Alignment: L = 980.00 m, G= 0.250%

Horizontal Alignment: L=2628.786m; R=7000m, TCL=18.75m; L=667.64m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
87200.0	-10.188	2.145	143.161	142.489	141.016
87220.0	-10.174	2.355	143.253	142.585	140.898
87240.0	-10.153	2.245	143.345	142.681	141.100
87260.0	-10.131	2.386	143.437	142.772	141.051
87280.0	-10.115	2.342	143.529	142.831	141.187
87300.0	-10.102	2.465	143.621	142.890	141.156
87320.0	-10.100	2.459	143.713	142.941	141.254
87340.0	-10.110	1.817	143.805	142.991	141.988
87360.0	-10.090	2.404	143.897	143.033	141.493
87380.0	-10.066	1.920	143.989	143.077	142.069
87400.0	-10.049	2.051	144.039	143.121	141.988
87420.0	-10.029	2.041	144.089	143.182	142.048
87440.0	-10.001	1.992	144.139	143.245	142.147
87460.0	-9.985	1.956	144.189	143.308	142.233
87480.0	-10.005	2.000	144.239	143.374	142.239
87500.0	-10.053	2.057	144.289	143.441	142.232
87520.0	-10.083	2.060	144.339	143.512	142.279
87540.0	-10.080	1.430	144.389	143.585	142.959
87560.0	-10.065	1.516	144.439	143.655	142.923
87580.0	-10.056	1.973	144.489	143.709	142.516
87600.0	-10.047	1.760	144.539	143.763	142.779
87620.0	-10.040	2.073	144.589	143.822	142.516
87640.0	-10.034	1.855	144.639	143.885	142.784
87660.0	-10.032	1.714	144.689	143.948	142.975
87680.0	-10.035	1.847	144.739	144.011	142.892
87700.0	-10.039	1.614	144.789	144.075	143.175
87720.0	-10.039	1.591	144.839	144.135	143.248
87740.0	-10.017	1.607	144.889	144.192	143.282
87760.0	-9.995	1.623	144.939	144.239	143.316
87780.0	-9.983	1.408	144.989	144.257	143.581
87800.0	-9.991	1.302	145.039	144.275	143.737
87820.0	-10.014	1.641	145.089	144.341	143.448
87840.0	-10.061	1.521	145.139	144.408	143.618
87860.0	-10.098	1.499	145.189	144.474	143.690
87880.0	-10.098	1.760	145.239	144.539	143.479
87900.0	-10.078	1.939	145.289	144.603	143.350
87920.0	-10.076	1.663	145.339	144.670	143.676
87940.0	-10.097	1.736	145.389	144.737	143.653
87960.0	-10.121	1.816	145.439	144.802	143.623
87980.0	-10.130	1.956	145.489	144.861	143.533
88000.0	-10.150	1.925	145.539	144.920	143.614
88020.0	-10.172	2.160	145.589	144.979	143.429
88040.0	-10.197	2.058	145.639	145.038	143.581
88060.0	-10.227	2.296	145.689	145.074	143.393
88080.0	-10.160	2.240	145.739	145.049	143.499
88100.0	-10.031	2.033	145.789	145.024	143.756
88120.0	-10.018	1.856	145.839	145.131	143.983
88140.0	-10.147	1.963	145.889	145.258	143.926
88160.0	-10.289	2.071	145.939	145.369	143.868
88180.0	-10.349	2.065	145.989	145.431	143.924
88200.0	-10.372	1.935	146.039	145.494	144.104
88220.0	-10.402	1.790	146.089	145.553	144.299
88240.0	-10.439	1.689	146.139	145.611	144.450
88260.0	-10.478	1.981	146.189	145.667	144.208
88280.0	-10.517	1.991	146.239	145.712	144.248
88300.0	-10.559	1.877	146.289	145.757	144.412
88320.0	-10.608	1.907	146.339	145.772	144.432
88340.0	-10.657	1.882	146.389	145.783	144.507
88360.0	-10.722	1.883	146.439	145.791	144.556
88380.0	-10.805	1.678	146.439	145.786	144.761
88400.0	-10.904	1.793	146.439	145.781	144.646

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
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- Fencing
- High Tension Line
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

REVISIONS

डेडीकेटेड फ्रेट कॉरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION
Ministry of Railways

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DETAILED PROJECT REPORT

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

PLAN & PROFILE
(Km 87.200 to Km 88.400)

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-88400 TO CH-89600
SECTOR- 8 N	

V-2-5-246

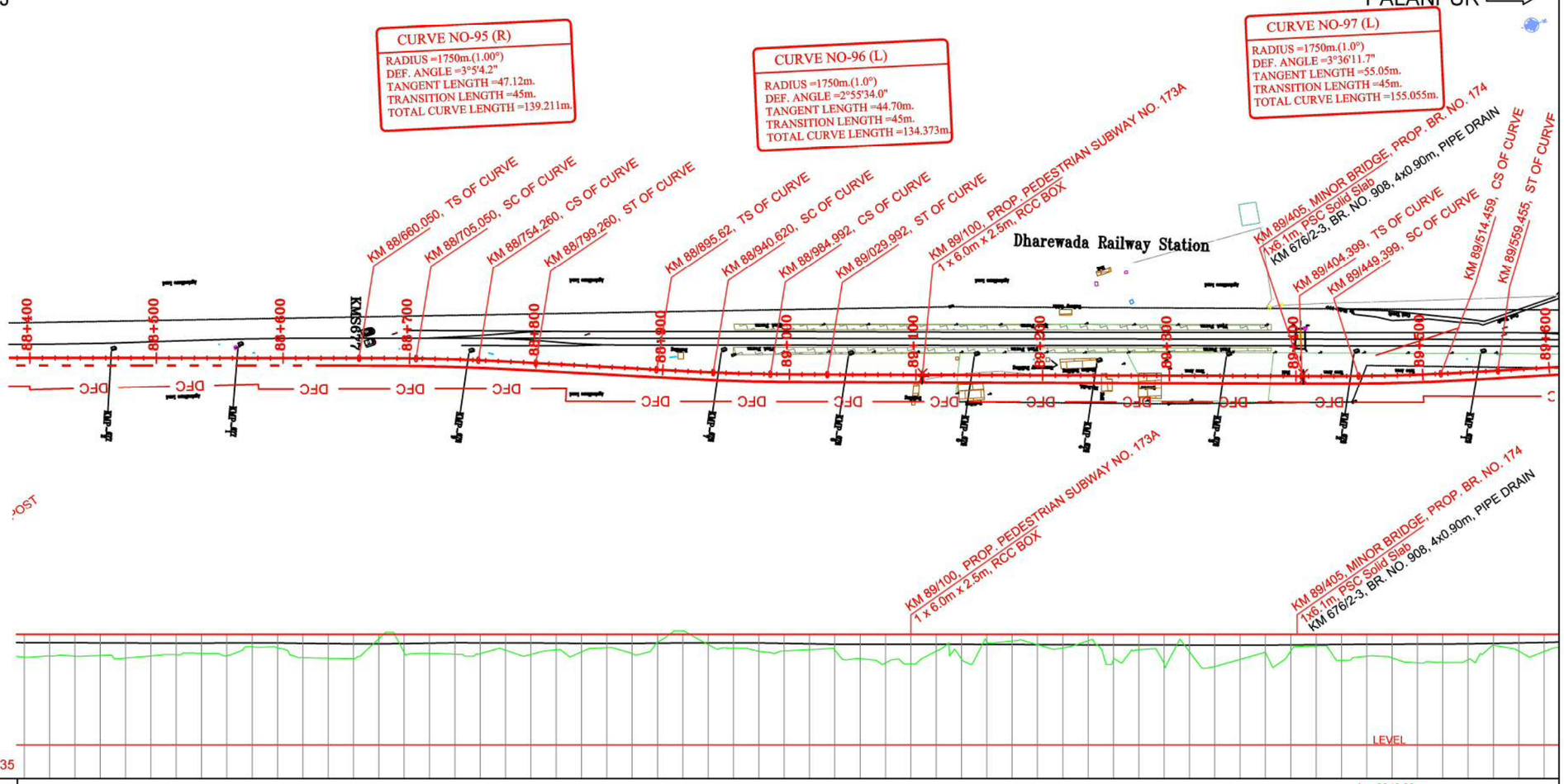
⇦ WAMAJ

PALANPUR ⇨

CURVE NO-95 (R)
RADIUS =1750m.(1.00°)
DEF. ANGLE =3°5'4.2"
TANGENT LENGTH =47.12m.
TRANSITION LENGTH =45m.
TOTAL CURVE LENGTH =139.211m.

CURVE NO-96 (L)
RADIUS =1750m.(1.0°)
DEF. ANGLE =2°55'34.0"
TANGENT LENGTH =44.70m.
TRANSITION LENGTH =45m.
TOTAL CURVE LENGTH =134.373m.

CURVE NO-97 (L)
RADIUS =1750m.(1.0°)
DEF. ANGLE =3°36'11.7"
TANGENT LENGTH =55.05m.
TRANSITION LENGTH =45m.
TOTAL CURVE LENGTH =155.055m.



Vertical Alignment: L = 2240.00 m, G= 0.000%

Horizontal Alignment: R=1750 L=139.373 (L=45 m, L=45 m); L=96.36m; L=45 m, R=1750 L=134.373, L=45 m; L=374.407m; L=45 m, R=1750 L=155.055, L=45 m; L=98.205

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
88400.0	-10.904	1.793	146.439	145.781	144.646
88420.0	-11.118	1.703	146.439	145.776	144.736
88440.0	-11.457	1.718	146.439	145.770	144.721
88460.0	-11.911	1.664	146.439	145.763	144.775
88480.0	-12.506	1.870	146.439	145.749	144.569
88500.0	-13.209	1.695	146.439	145.736	144.744
88520.0	-13.889	1.600	146.439	145.741	144.839
88540.0	-14.580	1.495	146.439	145.746	144.944
88560.0	-15.181	1.680	146.439	145.749	144.759
88580.0	-15.612	0.992	146.439	145.749	145.447
88600.0	-15.916	1.068	146.439	145.749	145.371
88620.0	-16.085	1.838	146.439	145.726	144.601
88640.0	-16.099	1.879	146.439	145.702	144.560
88660.0	-16.077	1.921	146.439	145.687	144.518
88680.0	-16.111	0.346	146.439	145.691	145.093
88700.0	-16.216	1.451	146.439	145.706	144.988
88720.0	-16.470	1.491	146.439	145.737	144.948
88740.0	-16.932	1.559	146.439	145.767	144.880
88760.0	-17.609	1.513	146.439	145.763	144.926
88780.0	-17.911	1.256	146.439	145.759	145.183
88800.0	-17.596	1.582	146.439	145.749	144.857
88820.0	-16.614	1.226	146.439	145.738	145.213
88840.0	-16.284	1.382	146.439	145.731	145.057
88860.0	-16.639	1.055	146.439	145.724	145.384
88880.0	-17.394	1.510	146.439	145.727	144.929
88900.0	-18.228	0.613	146.439	145.738	145.826
88920.0	-19.090	-0.260	146.439	145.749	146.699
88940.0	-19.867	0.809	146.439	145.759	145.630
88960.0	-20.469	1.080	146.439	145.759	145.359
88980.0	-20.861	1.328	146.439	145.755	145.111
89000.0	-21.037	1.315	146.439	145.724	145.124
89020.0	-21.052	1.207	146.439	145.683	145.232
89040.0	-21.018	1.236	146.439	145.647	145.203
89060.0	-21.014	1.919	146.439	145.649	144.520
89080.0	-21.028	2.239	146.439	145.650	144.200
89100.0	-21.022	2.346	146.439	145.650	144.093
89120.0	-20.992	1.331	146.439	145.650	145.108
89140.0	-20.968	1.953	146.439	145.649	144.486
89160.0	-20.984	0.602	146.439	145.641	145.837
89180.0	-21.030	0.534	146.439	145.634	145.905
89200.0	-21.059	0.822	146.439	145.626	145.617
89220.0	-21.041	1.067	146.439	145.618	145.372
89240.0	-21.013	0.511	146.439	145.610	145.928
89260.0	-21.017	1.940	146.439	145.609	144.499
89280.0	-21.049	1.213	146.439	145.608	145.226
89300.0	-21.073	2.280	146.439	145.601	144.159
89320.0	-21.071	1.385	146.439	145.589	145.054
89340.0	-21.063	2.535	146.439	145.580	143.904
89360.0	-21.073	1.973	146.439	145.582	144.466
89380.0	-21.091	1.453	146.439	145.584	144.986
89400.0	-21.098	1.296	146.439	145.599	145.143
89420.0	-21.085	0.925	146.439	145.621	145.514
89440.0	-21.024	2.046	146.439	145.640	144.393
89460.0	-20.847	1.723	146.439	145.649	144.716
89480.0	-20.481	1.851	146.439	145.657	144.588
89500.0	-19.895	2.243	146.439	145.665	144.195
89520.0	-19.116	2.198	146.439	145.673	144.241
89540.0	-18.197	1.988	146.439	145.687	144.451
89560.0	-17.196	0.863	146.439	145.723	145.576
89580.0	-16.175	1.380	146.439	145.760	145.100
89600.0	-15.167	1.350	146.439	145.798	145.099

LEGEND
- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
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- Existing Rail Track
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TS=Tangent to Spiral
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DATE	DESCRIPTION	CHKD	APPRD
JULY-11			

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DETAILED PROJECT REPORT

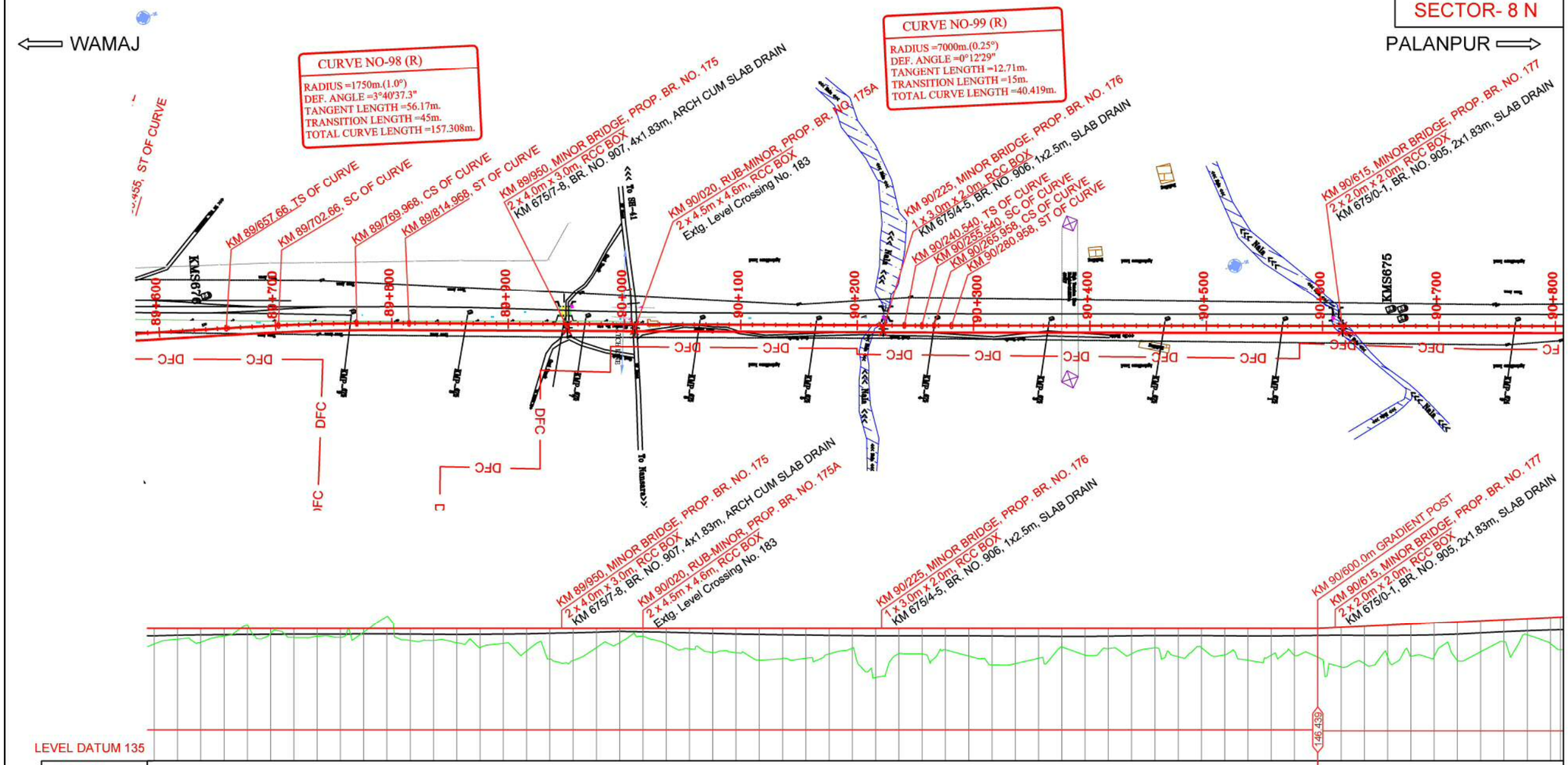
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 88.400 to Km 89.600)

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-89600 TO CH-90800
SECTOR- 8 N	

V-2-5-247



LEVEL DATUM 135

Vertical Alignment

Horizontal Alignment: 205m; R=1750, L=45 m, L=157.308, L=45 m; L=425.572m; R=7000, L=40.419, L=15.0m, L=15.0m; L=2327.004m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-15.167	1.350	146.439	145.798	145.089	89600.0
-14.198	0.938	146.439	145.837	145.501	89620.0
-13.130	1.197	146.439	145.870	145.242	89640.0
-12.399	0.663	146.439	145.893	145.776	89660.0
-12.517	-0.255	146.439	145.915	146.694	89680.0
-13.048	0.434	146.439	145.926	146.005	89700.0
-13.787	0.778	146.439	145.934	145.661	89720.0
-14.217	0.687	146.439	145.943	145.752	89740.0
-14.087	0.784	146.439	145.950	145.655	89760.0
-14.031	0.321	146.439	145.952	146.118	89780.0
-14.128	-1.026	146.439	145.955	147.465	89800.0
-14.152	1.046	146.439	145.941	145.393	89820.0
-14.057	1.045	146.439	145.922	145.394	89840.0
-13.843	1.234	146.439	145.911	145.205	89860.0
-13.472	1.646	146.439	145.924	144.793	89880.0
-12.963	1.296	146.439	145.938	145.143	89900.0
-12.424	1.942	146.439	145.967	144.497	89920.0
-11.837	2.642	146.439	146.002	143.797	89940.0
-11.273	2.750	146.439	146.042	143.689	89960.0
-10.829	1.643	146.439	146.100	144.796	89980.0
-10.472	1.234	146.439	146.159	145.205	90000.0
-10.218	0.708	146.439	146.132	145.731	90020.0
-10.082	1.341	146.439	146.091	145.098	90040.0
-10.013	1.758	146.439	146.047	144.681	90060.0
-9.976	2.101	146.439	145.996	144.338	90080.0
-9.984	2.080	146.439	145.945	144.359	90100.0
-10.001	2.722	146.439	145.908	143.717	90120.0
-10.012	2.568	146.439	145.882	143.871	90140.0
-10.031	2.562	146.439	145.857	143.877	90160.0
-10.061	2.194	146.439	145.830	144.245	90180.0
-10.101	1.693	146.439	145.804	144.746	90200.0
-10.152	4.197	146.439	145.788	142.242	90220.0
-10.177	2.149	146.439	145.787	144.290	90240.0
-10.205	2.194	146.439	145.787	144.245	90260.0
-10.180	1.849	146.439	145.787	144.590	90280.0
-10.141	2.383	146.439	145.786	144.056	90300.0
-10.121	3.128	146.439	145.777	143.311	90320.0
-10.133	3.011	146.439	145.763	143.428	90340.0
-10.149	2.564	146.439	145.750	143.875	90360.0
-10.135	1.592	146.439	145.743	144.847	90380.0
-10.104	2.305	146.439	145.736	144.134	90400.0
-10.086	1.736	146.439	145.758	144.703	90420.0
-10.080	2.173	146.439	145.782	144.266	90440.0
-10.077	1.665	146.439	145.800	144.774	90460.0
-10.071	2.436	146.439	145.803	144.003	90480.0
-10.065	1.668	146.439	145.806	144.771	90500.0
-10.067	2.278	146.439	145.793	144.161	90520.0
-10.071	2.731	146.439	145.780	143.708	90540.0
-10.075	2.298	146.439	145.774	144.141	90560.0
-10.083	2.349	146.439	145.796	144.090	90580.0
-10.092	2.484	146.439	145.819	143.955	90600.0
-10.092	3.402	146.531	145.839	143.129	90620.0
-10.086	3.212	146.623	145.821	143.411	90640.0
-10.080	2.739	146.715	145.817	143.976	90660.0
-10.087	2.759	146.807	145.844	144.048	90680.0
-10.114	2.863	146.899	145.871	144.036	90700.0
-10.124	3.328	146.991	145.940	143.863	90720.0
-10.098	2.653	147.083	146.045	144.430	90740.0
-10.062	1.877	147.175	146.141	145.298	90760.0
-10.048	1.399	147.267	146.238	145.868	90780.0
-10.049	2.238	147.359	146.317	145.121	90800.0

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

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.
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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 89.600 to Km 90.800)

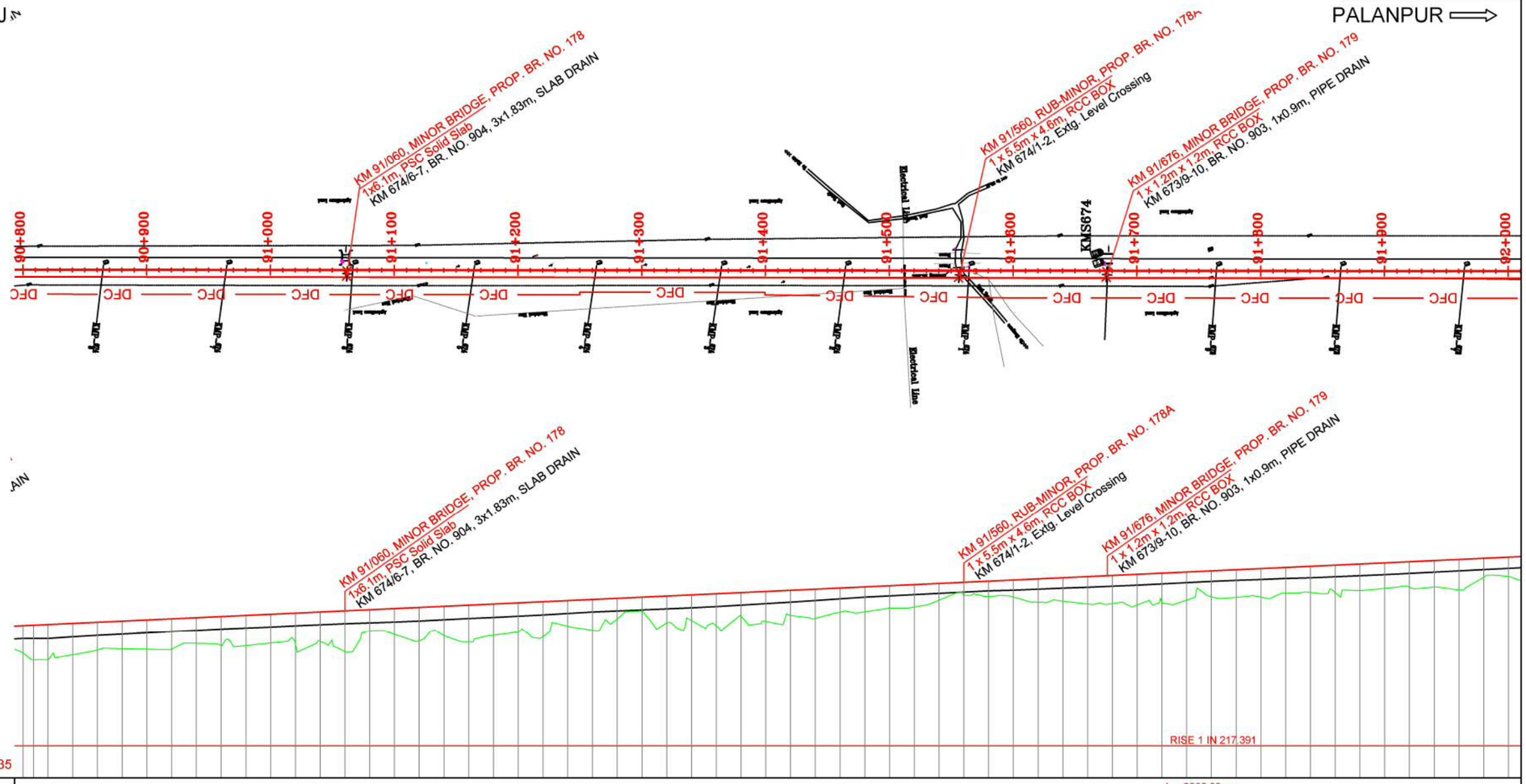
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-90800 TO CH-92000
SECTOR- 8 N	

V-2-5-248

⇦ WAMAJ

PALANPUR ⇨



LEVEL DATUM 135

Vertical Alignment	L = 2300.00 m G= 0.460%
Horizontal Alignment	L=2327.004m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
90800.0	-10.049	2.238	147.359	146.317	145.121
90820.0	-10.053	2.854	147.451	146.376	144.597
90840.0	-10.051	2.527	147.543	146.476	145.016
90860.0	-10.048	2.243	147.635	146.576	145.392
90880.0	-10.047	2.236	147.727	146.676	145.491
90900.0	-10.049	2.375	147.819	146.776	145.444
90920.0	-10.052	2.453	147.911	146.876	145.458
90940.0	-10.058	2.079	148.003	146.976	145.924
90960.0	-10.063	2.328	148.095	147.076	145.767
90980.0	-10.054	2.443	148.187	147.165	145.744
91000.0	-10.042	2.330	148.279	147.252	145.949
91020.0	-10.046	2.532	148.371	147.336	145.839
91040.0	-10.084	2.389	148.463	147.424	146.074
91060.0	-10.082	3.291	148.555	147.508	145.264
91080.0	-10.057	1.720	148.647	147.580	146.927
91100.0	-10.068	2.095	148.739	147.651	146.644
91120.0	-10.073	2.687	148.831	147.739	146.144
91140.0	-10.055	2.370	148.923	147.840	146.553
91160.0	-10.035	2.975	149.015	147.938	146.040
91180.0	-10.026	2.524	149.107	148.029	145.583
91200.0	-10.025	2.358	149.199	148.119	146.841
91220.0	-10.035	2.822	149.291	148.234	146.469
91240.0	-10.060	2.066	149.383	148.351	147.317
91260.0	-10.087	2.491	149.475	148.457	146.984
91280.0	-10.108	1.646	149.567	148.542	147.921
91300.0	-10.125	1.112	149.659	148.627	148.547
91320.0	-10.130	2.164	149.751	148.715	147.587
91340.0	-10.120	2.080	149.843	148.804	147.763
91360.0	-10.104	2.596	149.935	148.901	147.339
91380.0	-10.088	1.921	150.027	149.017	148.106
91400.0	-10.068	2.426	150.119	149.133	147.693
91420.0	-10.047	2.017	150.211	149.262	148.194
91440.0	-10.020	2.353	150.303	149.397	147.950
91460.0	-9.997	1.943	150.395	149.530	148.452
91480.0	-9.991	2.001	150.487	149.659	148.486
91500.0	-9.994	1.787	150.579	149.776	148.792
91520.0	-9.989	1.800	150.671	149.876	148.871
91540.0	-9.976	1.333	150.763	149.976	149.430
91560.0	-9.959	1.076	150.855	150.076	149.779
91580.0	-9.939	1.214	150.947	150.167	149.733
91600.0	-9.916	1.369	151.039	150.230	149.670
91620.0	-9.888	1.892	151.131	150.307	149.239
91640.0	-9.854	1.876	151.223	150.386	149.347
91660.0	-9.825	2.202	151.315	150.465	149.113
91680.0	-9.812	2.252	151.407	150.545	149.155
91700.0	-9.808	2.461	151.499	150.626	149.038
91720.0	-9.801	2.383	151.591	150.729	149.208
91740.0	-9.791	2.253	151.683	150.832	149.430
91760.0	-9.779	2.077	151.775	150.929	149.698
91780.0	-9.763	2.219	151.867	151.012	149.648
91800.0	-9.745	2.299	151.959	151.095	149.660
91820.0	-9.739	2.072	152.051	151.167	149.979
91840.0	-9.756	2.100	152.143	151.231	150.043
91860.0	-9.778	2.207	152.235	151.302	150.028
91880.0	-9.781	2.138	152.327	151.389	150.189
91900.0	-9.774	2.050	152.419	151.477	150.369
91920.0	-9.779	2.043	152.511	151.574	150.468
91940.0	-9.803	2.122	152.603	151.675	150.481
91960.0	-9.834	2.448	152.695	151.776	150.247
91980.0	-9.864	1.527	152.787	151.877	151.260
92000.0	-9.896	1.555	152.879	151.977	151.323

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

मेसर्स कंस्ट्रक्शन कंसोर्टियम

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 90.800 to Km 92.000)

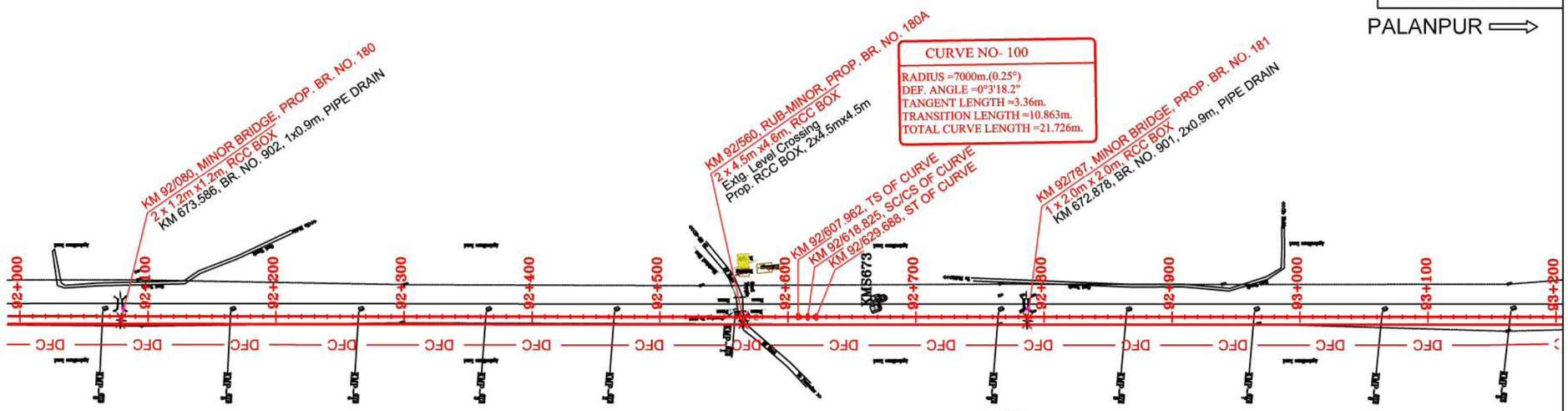
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

CHAINAGE	CH-92000 TO CH-93200
SECTOR- 8 N	

V-2-5-249

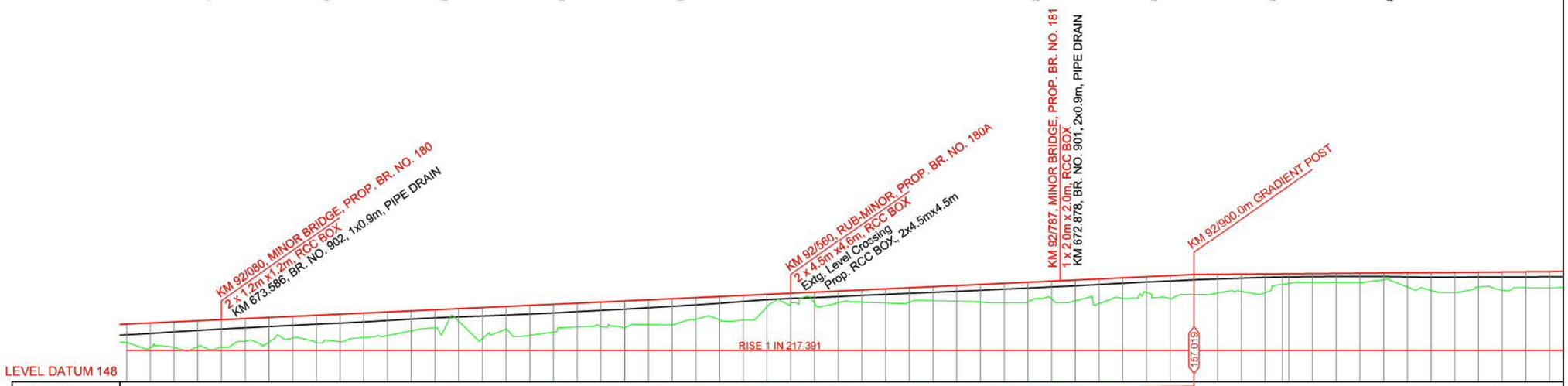
⇐ WAMAJ

PALANPUR ⇒



CURVE NO- 100

RADIUS =7000m.(0.25°)
DEF. ANGLE =0°3'18.2"
TANGENT LENGTH =3.36m.
TRANSITION LENGTH =10.863m.
TOTAL CURVE LENGTH =21.726m.



Vertical Alignment

Horizontal Alignment: L=2327.004m | R=7000m, TCL=21.726m | L=718.161m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-9.896	1.551	152.879	151.977	151.328	92000.0
-9.929	2.041	152.971	152.085	150.930	92020.0
-9.965	2.150	153.063	152.217	150.913	92040.0
-9.997	2.163	153.155	152.343	150.992	92060.0
-10.008	2.293	153.247	152.457	150.954	92080.0
-10.008	1.907	153.339	152.571	151.432	92100.0
-10.012	2.058	153.431	152.672	151.373	92120.0
-10.030	1.809	153.523	152.771	151.714	92140.0
-10.048	2.348	153.615	152.870	151.267	92160.0
-10.058	2.289	153.707	152.958	151.418	92180.0
-10.060	2.034	153.799	153.053	151.765	92200.0
-10.049	1.969	153.891	153.172	151.922	92220.0
-10.025	1.667	153.983	153.292	152.316	92240.0
-10.001	1.537	154.075	153.399	152.538	92260.0
-9.993	1.063	154.167	153.470	153.104	92280.0
-9.993	2.585	154.259	153.542	151.674	92300.0
-9.991	1.881	154.351	153.622	152.470	92320.0
-9.985	2.505	154.443	153.712	151.938	92340.0
-9.978	2.330	154.535	153.806	152.205	92360.0
-9.971	1.988	154.627	153.909	152.639	92380.0
-9.964	2.068	154.719	154.013	152.651	92400.0
-9.964	2.236	154.811	154.123	152.575	92420.0
-9.967	2.073	154.903	154.235	152.830	92440.0
-9.969	2.173	154.995	154.352	152.822	92460.0
-9.976	1.816	155.087	154.480	153.271	92480.0
-9.984	1.953	155.179	154.617	153.226	92500.0
-10.002	2.051	155.271	154.767	153.220	92520.0
-10.028	1.042	155.363	154.917	154.321	92540.0
-10.052	0.874	155.455	155.014	154.581	92560.0
-10.067	0.941	155.547	155.093	154.606	92580.0
-10.081	0.984	155.639	155.174	154.655	92600.0
-10.088	1.025	155.731	155.264	154.706	92620.0
-10.077	1.184	155.823	155.355	154.639	92640.0
-10.069	1.209	155.915	155.443	154.706	92660.0
-10.070	1.176	156.007	155.527	154.831	92680.0
-10.072	1.306	156.099	155.610	154.793	92700.0
-10.073	1.471	156.191	155.699	154.720	92720.0
-10.076	1.633	156.283	155.790	154.650	92740.0
-10.080	1.644	156.375	155.883	154.731	92760.0
-10.077	1.499	156.467	155.979	154.968	92780.0
-10.073	1.729	156.559	156.075	154.830	92800.0
-10.062	2.056	156.551	156.179	154.595	92820.0
-10.041	1.730	156.743	156.286	155.013	92840.0
-10.020	1.317	156.835	156.389	155.518	92860.0
-10.006	1.918	156.927	156.480	155.009	92880.0
-10.002	1.671	157.019	156.572	155.348	92900.0
-9.997	1.563	157.035	156.645	155.472	92920.0
-9.992	1.438	157.051	156.717	155.613	92940.0
-9.991	1.574	157.067	156.778	155.493	92960.0
-10.002	0.808	157.083	156.806	156.275	92980.0
-10.018	0.745	157.099	156.834	156.354	93000.0
-10.021	0.765	157.115	156.841	156.350	93020.0
-10.006	0.786	157.131	156.846	156.345	93040.0
-9.995	0.564	157.147	156.841	156.583	93060.0
-10.005	1.190	157.163	156.815	155.973	93080.0
-10.026	1.498	157.179	156.788	155.681	93100.0
-10.042	1.705	157.195	156.797	155.490	93120.0
-10.054	1.231	157.211	156.808	155.980	93140.0
-10.063	1.508	157.227	156.818	155.719	93160.0
-10.065	1.394	157.243	156.821	155.[illegible]	93180.0
-10.064	1.354	157.259	156.825	155.[illegible]	93200.0

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

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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Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

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

PLAN & PROFILE
(Km 92.000 to Km 93.200)

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-93200 TO CH-94400
SECTOR- 8 N	

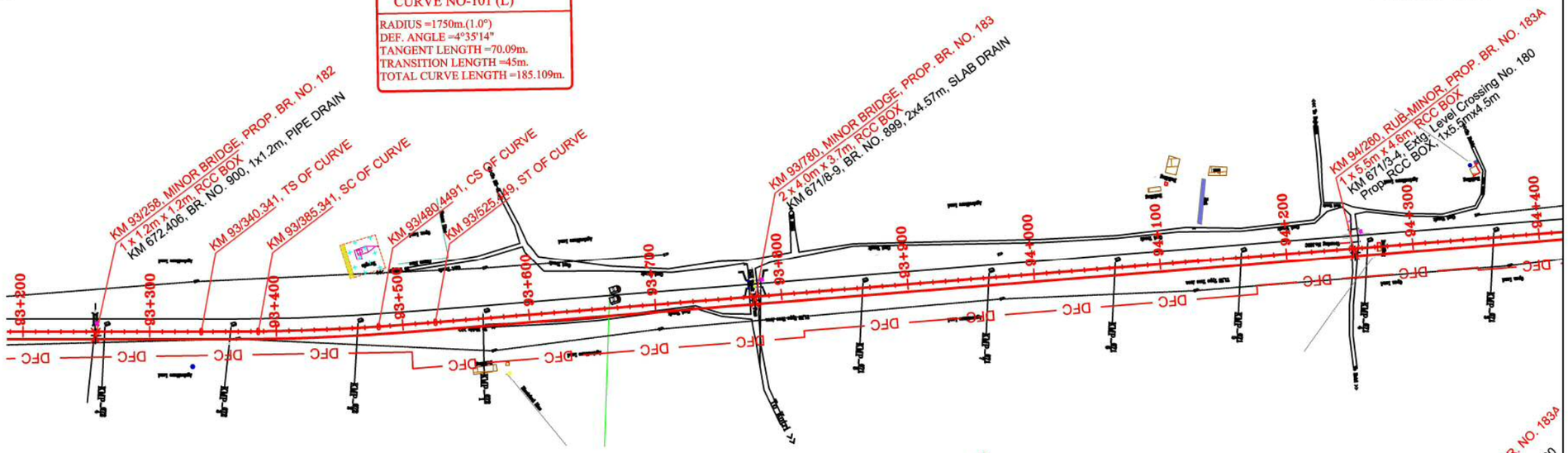
V-2-5-250

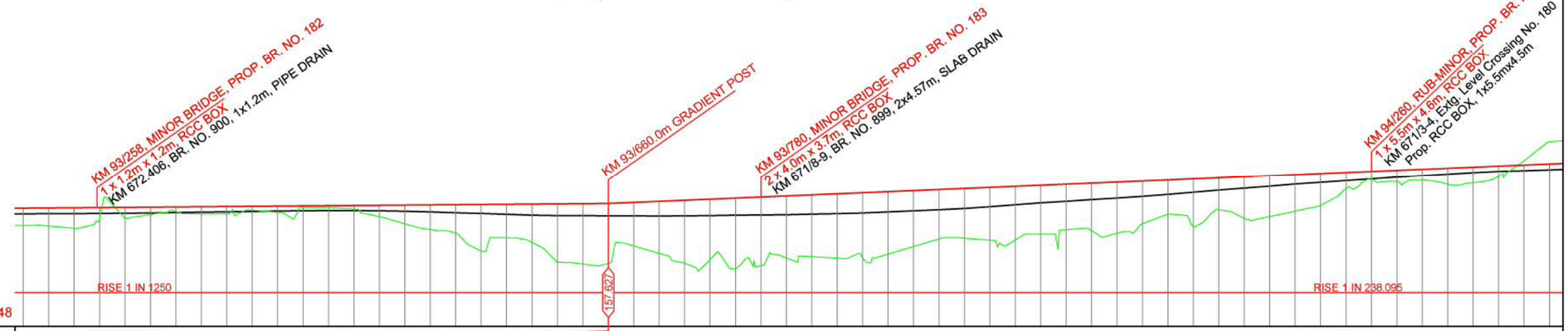
⟸ WAMAJ

PALANPUR ⟹

CURVE NO-101 (L)

RADIUS =1750m.(1.0°)
DEF. ANGLE =4°35'14"
TANGENT LENGTH =70.09m.
TRANSITION LENGTH =45m.
TOTAL CURVE LENGTH =185.109m.





LEVEL DATUM 148

Vertical Alignment

L = 760.00 m, G= 0.08%

L = 1140.00 m, G= 0.420%

Horizontal Alignment

L=45 m | R=1750 m, L=185.109m | L=45 m | L=1118.603m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
93200.0	-10.064	1.354	157.259	156.825	155.905
93220.0	-10.071	1.405	157.275	156.835	155.870
93240.0	-10.083	1.580	157.291	156.846	155.711
93260.0	-10.090	0.795	157.307	156.860	156.512
93280.0	-10.069	0.859	157.323	156.879	156.464
93300.0	-10.029	0.559	157.339	156.898	156.780
93320.0	-9.986	0.348	157.355	156.924	157.007
93340.0	-9.903	0.553	157.371	156.951	156.818
93360.0	-9.866	0.588	157.387	156.979	156.799
93380.0	-9.878	0.297	157.403	157.008	157.106
93400.0	-9.841	0.476	157.419	157.037	156.943
93420.0	-9.844	0.110	157.435	157.060	157.325
93440.0	-9.931	0.140	157.451	157.080	157.311
93460.0	-10.007	0.279	157.467	157.084	157.188
93480.0	-10.027	0.879	157.483	157.053	156.604
93500.0	-10.020	1.451	157.499	157.022	156.048
93520.0	-9.953	1.919	157.515	156.967	155.596
93540.0	-9.916	2.188	157.531	156.909	155.343
93560.0	-9.923	3.614	157.547	156.850	153.933
93580.0	-9.947	2.604	157.563	156.786	154.959
93600.0	-10.001	2.986	157.579	156.723	154.593
93620.0	-10.034	4.553	157.595	156.691	153.042
93640.0	-10.024	4.702	157.611	156.679	152.909
93660.0	-10.006	4.669	157.627	156.669	152.958
93680.0	-9.993	3.395	157.711	156.662	154.316
93700.0	-9.985	4.058	157.795	156.657	153.737
93720.0	-9.969	4.919	157.879	156.676	152.960
93740.0	-9.943	4.672	157.963	156.695	153.291
93760.0	-9.933	5.511	158.047	156.716	152.536
93780.0	-9.962	5.340	158.131	156.740	152.791
93800.0	-10.006	4.829	158.215	156.763	153.386
93820.0	-10.028	4.820	158.299	156.801	153.479
93840.0	-10.029	5.020	158.383	156.840	153.363
93860.0	-10.028	5.099	158.467	156.893	153.368
93880.0	-10.030	4.859	158.551	156.974	153.692
93900.0	-10.034	4.353	158.635	157.055	154.282
93920.0	-10.039	3.848	158.719	157.145	154.871
93940.0	-10.046	3.870	158.803	157.252	154.933
93960.0	-10.053	4.116	158.887	157.373	154.771
93980.0	-10.052	4.174	158.971	157.529	154.797
94000.0	-10.046	3.823	159.055	157.684	155.232
94020.0	-10.056	3.549	159.139	157.811	155.590
94040.0	-10.097	3.721	159.223	157.932	155.502
94060.0	-10.127	3.996	159.307	158.060	155.311
94080.0	-10.093	3.330	159.391	158.201	156.061
94100.0	-10.025	2.678	159.475	158.343	156.797
94120.0	-10.007	3.746	159.559	158.508	155.813
94140.0	-10.055	2.506	159.643	158.677	157.137
94160.0	-10.114	3.266	159.727	158.841	156.461
94180.0	-10.145	3.197	159.811	158.998	156.614
94200.0	-10.164	2.867	159.895	159.154	157.028
94220.0	-10.170	2.499	159.979	159.299	157.480
94240.0	-10.154	1.264	160.063	159.437	158.799
94260.0	-10.134	0.601	160.147	159.570	159.546
94280.0	-10.132	0.862	160.231	159.695	159.369
94300.0	-10.141	0.843	160.315	159.819	159.472
94320.0	-10.138	1.237	160.399	159.939	159.162
94340.0	-10.104	1.216	160.483	160.055	159.267
94360.0	-10.068	0.794	160.567	160.194	159.773
94380.0	-10.073	-0.362	160.651	160.215	161.013
94400.0	-10.097	-1.758	160.735	160.276	162.493

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

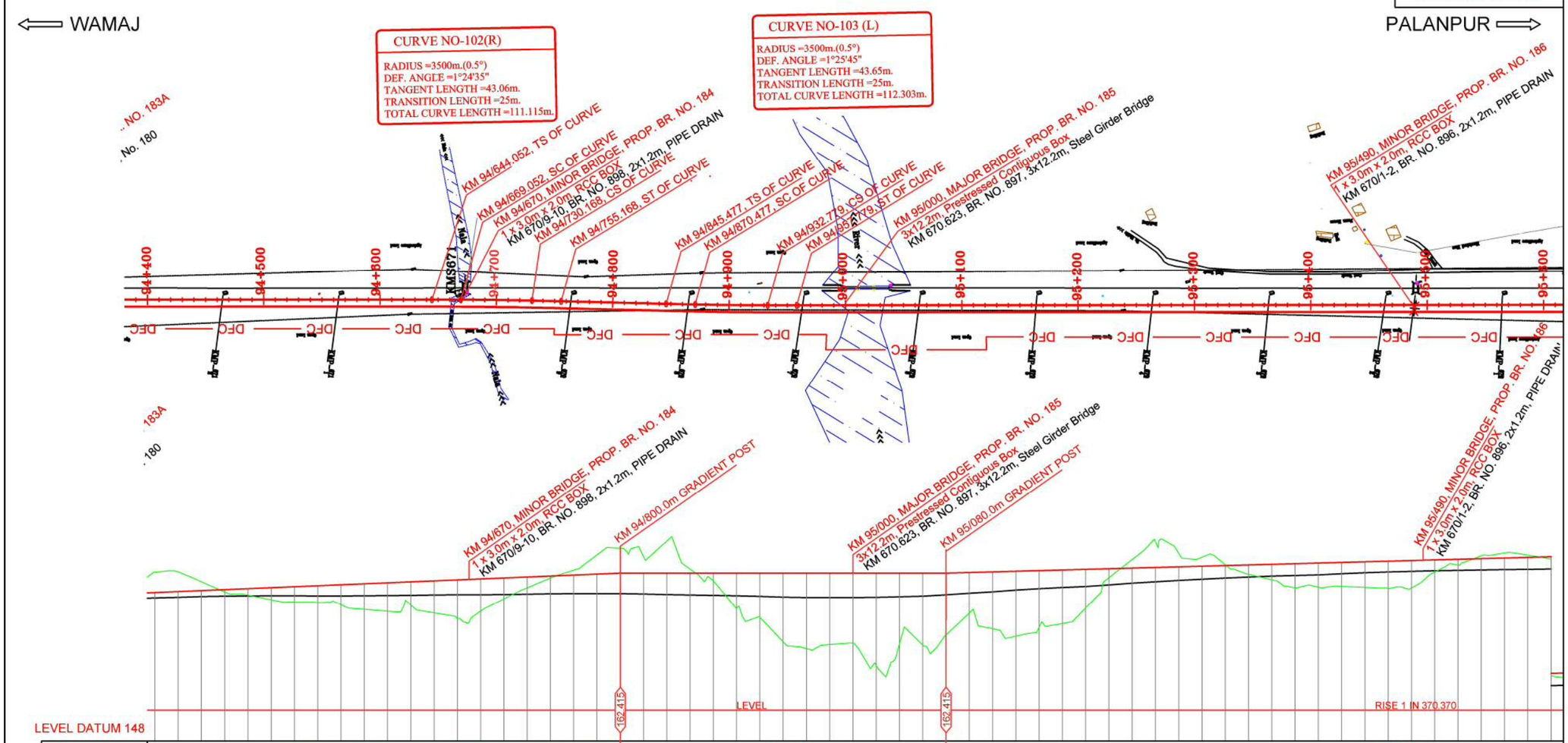
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 93.200 to Km 94.400)

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-94400 TO CH-95600
SECTOR- 8 N	

V-2-5-251



Vertical Alignment	L = 280.00 m, G= 0.000%; L = 780.00 m, G= 0.270%
Horizontal Alignment	L=1118.603m; L=25 m, R=3500, L=111.115m, L=25 m; L=90.309m; L=25 m, R=3500, L=112.303m, L=25 m; L=921.191m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-10.097	-1.756	160.735	160.276	162.491	94400.0
-10.073	-1.703	160.819	160.331	162.522	94420.0
-9.984	-0.767	160.903	160.385	161.670	94440.0
-9.896	0.202	160.987	160.427	160.785	94460.0
-9.871	0.556	161.071	160.446	160.515	94480.0
-9.880	1.051	161.155	160.464	160.104	94500.0
-9.899	1.316	161.239	160.462	159.923	94520.0
-9.928	1.443	161.323	160.446	159.880	94540.0
-9.960	1.728	161.407	160.438	159.679	94560.0
-9.978	2.203	161.491	160.455	159.288	94580.0
-9.987	2.444	161.575	160.473	159.131	94600.0
-9.998	2.010	161.659	160.499	159.649	94620.0
-10.012	2.760	161.743	160.526	158.983	94640.0
-10.044	3.357	161.827	160.541	158.470	94660.0
-10.134	2.772	161.911	160.551	159.139	94680.0
-10.330	1.804	161.995	160.562	160.191	94700.0
-10.638	0.938	162.079	160.592	161.141	94720.0
-11.048	0.185	162.163	160.628	161.978	94740.0
-11.517	-0.423	162.247	160.652	162.670	94760.0
-11.992	-1.652	162.331	160.648	163.983	94780.0
-12.460	-2.131	162.415	160.644	164.546	94800.0
-12.941	-1.387	162.415	160.605	163.802	94820.0
-13.436	-2.745	162.415	160.563	165.160	94840.0
-13.919	-0.337	162.415	160.524	162.752	94860.0
-14.344	0.680	162.415	160.494	161.735	94880.0
-14.671	3.050	162.415	160.460	159.365	94900.0
-14.881	3.814	162.415	160.404	158.601	94920.0
-14.985	5.915	162.415	160.348	156.500	94940.0
-15.014	6.492	162.415	160.309	155.923	94960.0
-15.006	6.142	162.415	160.310	156.273	94980.0
-14.988	6.024	162.415	160.311	156.391	95000.0
-14.963	7.934	162.415	160.333	154.481	95020.0
-14.931	6.057	162.415	160.369	156.358	95040.0
-14.897	6.188	162.415	160.431	156.227	95060.0
-14.871	5.310	162.415	160.553	157.105	95080.0
-14.850	3.491	162.469	160.674	158.978	95100.0
-14.832	4.898	162.523	160.802	157.625	95120.0
-14.814	5.589	162.577	160.945	156.988	95140.0
-14.795	4.858	162.631	161.073	157.773	95160.0
-14.761	4.606	162.685	161.165	158.079	95180.0
-14.718	3.328	162.739	161.257	159.411	95200.0
-14.684	0.783	162.793	161.396	162.010	95220.0
-14.664	-0.729	162.847	161.538	163.576	95240.0
-14.637	-2.184	162.901	161.669	165.085	95260.0
-14.570	-1.123	162.955	161.775	164.078	95280.0
-14.497	-0.765	163.009	161.882	163.774	95300.0
-14.468	-0.063	163.063	161.977	163.126	95320.0
-14.499	0.814	163.117	162.072	162.303	95340.0
-14.519	1.334	163.171	162.155	161.837	95360.0
-14.460	2.077	163.225	162.209	161.148	95380.0
-14.361	2.075	163.279	162.264	161.204	95400.0
-14.318	2.053	163.333	162.351	161.280	95420.0
-14.352	2.198	163.387	162.444	161.189	95440.0
-14.385	2.356	163.441	162.516	161.085	95460.0
-14.353	2.351	163.495	162.565	161.144	95480.0
-14.303	1.043	163.549	162.615	162.506	95500.0
-14.312	0.509	163.603	162.646	163.094	95520.0
-14.392	-0.245	163.657	162.676	163.902	95540.0
-14.467	-0.422	163.711	162.707	164.133	95560.0
-14.485	-0.191	163.765	162.738	163.956	95580.0
-14.474	0.215	163.819	162.768	163.604	95600.0

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

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)

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Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

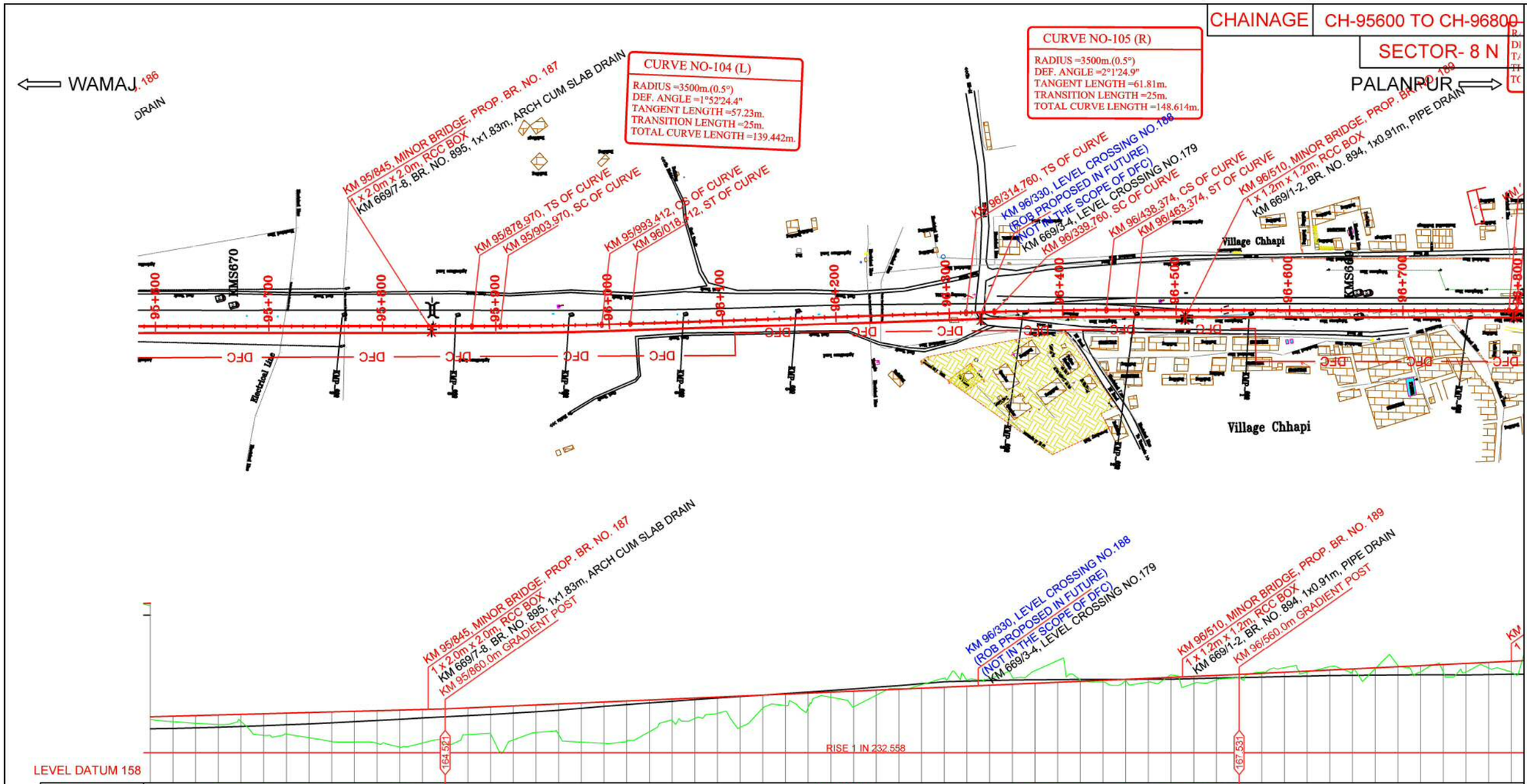
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 94.400 to Km 95.600)

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-95600 TO CH-96800
SECTOR- 8 N	

V-2-5-252



Vertical Alignment

L = 700.00 m

G= 0.430%

Horizontal Alignment

L=25 m | R=3500 m | L=139.442m | L=25 m | L=296.348m | R=3500 | L=25 m | L=148.614m | L=25 m | L=792.886m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-14.474	0.215	163.819	162.768	163.604	95600.0
-14.457	0.476	163.873	162.808	163.397	95620.0
-14.436	0.674	163.927	162.850	163.253	95640.0
-14.415	0.830	163.981	162.903	163.151	95660.0
-14.405	0.650	164.035	162.977	163.385	95680.0
-14.401	1.892	164.089	163.051	162.197	95700.0
-14.398	1.831	164.143	163.127	162.312	95720.0
-14.397	2.209	164.197	163.203	161.988	95740.0
-14.394	2.588	164.251	163.290	161.663	95760.0
-14.377	2.688	164.305	163.398	161.617	95780.0
-14.360	2.874	164.359	163.504	161.485	95800.0
-14.368	3.244	164.413	163.609	161.169	95820.0
-14.374	2.927	164.467	163.713	161.540	95840.0
-14.371	3.110	164.521	163.817	161.411	95860.0
-14.337	2.337	164.507	163.919	162.270	95880.0
-14.264	2.405	164.593	164.022	162.288	95900.0
-14.123	2.971	164.779	164.142	161.808	95920.0
-13.872	2.421	164.865	164.261	162.444	95940.0
-13.523	2.726	164.951	164.397	162.225	95960.0
-13.076	3.427	165.037	164.568	161.610	95980.0
-12.539	3.626	165.123	164.738	161.497	96000.0
-12.037	3.561	165.209	164.893	161.648	96020.0
-11.648	2.767	165.295	165.035	162.528	96040.0
-11.365	1.893	165.381	165.177	163.488	96060.0
-11.204	1.776	165.467	165.323	163.691	96080.0
-11.153	1.420	165.553	165.469	164.133	96100.0
-11.104	2.735	165.639	165.597	162.904	96120.0
-11.067	1.137	165.725	165.724	164.588	96140.0
-11.029	1.009	165.811	165.850	164.802	96160.0
-10.965	1.219	165.897	165.988	164.678	96180.0
-10.901	0.458	165.983	166.128	165.525	96200.0
-10.741	1.361	166.069	166.268	164.708	96220.0
-10.448	0.439	166.155	166.408	165.716	96240.0
-10.168	-0.052	166.241	166.556	166.293	96260.0
-10.011	-0.308	166.327	166.721	166.635	96280.0
-9.939	-0.804	166.413	166.887	167.217	96300.0
-9.889	-0.533	166.499	166.944	167.032	96320.0
-9.806	-0.591	166.585	166.994	167.176	96340.0
-9.689	-0.580	166.671	167.042	167.251	96360.0
-9.561	-1.109	166.757	167.060	167.886	96380.0
-9.406	-1.906	166.843	167.078	168.749	96400.0
-9.271	-0.100	166.929	167.087	167.029	96420.0
-8.750	0.166	167.015	167.089	166.849	96440.0
-7.344	0.127	167.101	167.094	166.974	96460.0
-5.810	0.334	167.187	167.102	166.853	96480.0
-4.221	-0.199	167.273	167.114	167.472	96500.0
-3.478	0.616	167.359	167.159	166.743	96520.0
-3.310	0.392	167.445	167.203	167.053	96540.0
-3.350	0.270	167.531	167.250	167.261	96560.0
-3.262	-0.114	167.527	167.300	167.741	96580.0
-3.154	-0.407	167.723	167.350	168.130	96600.0
-3.061	0.082	167.819	167.386	167.737	96620.0
-2.987	-0.288	167.915	167.422	168.203	96640.0
-2.897	0.170	168.011	167.447	167.841	96660.0
-2.762	0.053	168.107	167.467	168.054	96680.0
-2.613	-0.070	168.203	167.487	168.273	96700.0
-2.498	0.529	168.299	167.492	167.770	96720.0
-2.427	0.730	168.395	167.493	167.665	96740.0
-2.347	0.743	168.491	167.487	167.748	96760.0
-2.226	0.512	168.587	167.516	168.075	96780.0
-2.101	0.970	168.683	167.545	167.713	96800.0

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
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- Cart Track
- BT Road
- PC=Point of Curvature
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- TS=Tangent to Spiral
- SC=Spiral to Curve
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- 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 95.600 to Km 96.800)

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-96800 TO CH-98000
SECTOR- 8 N	

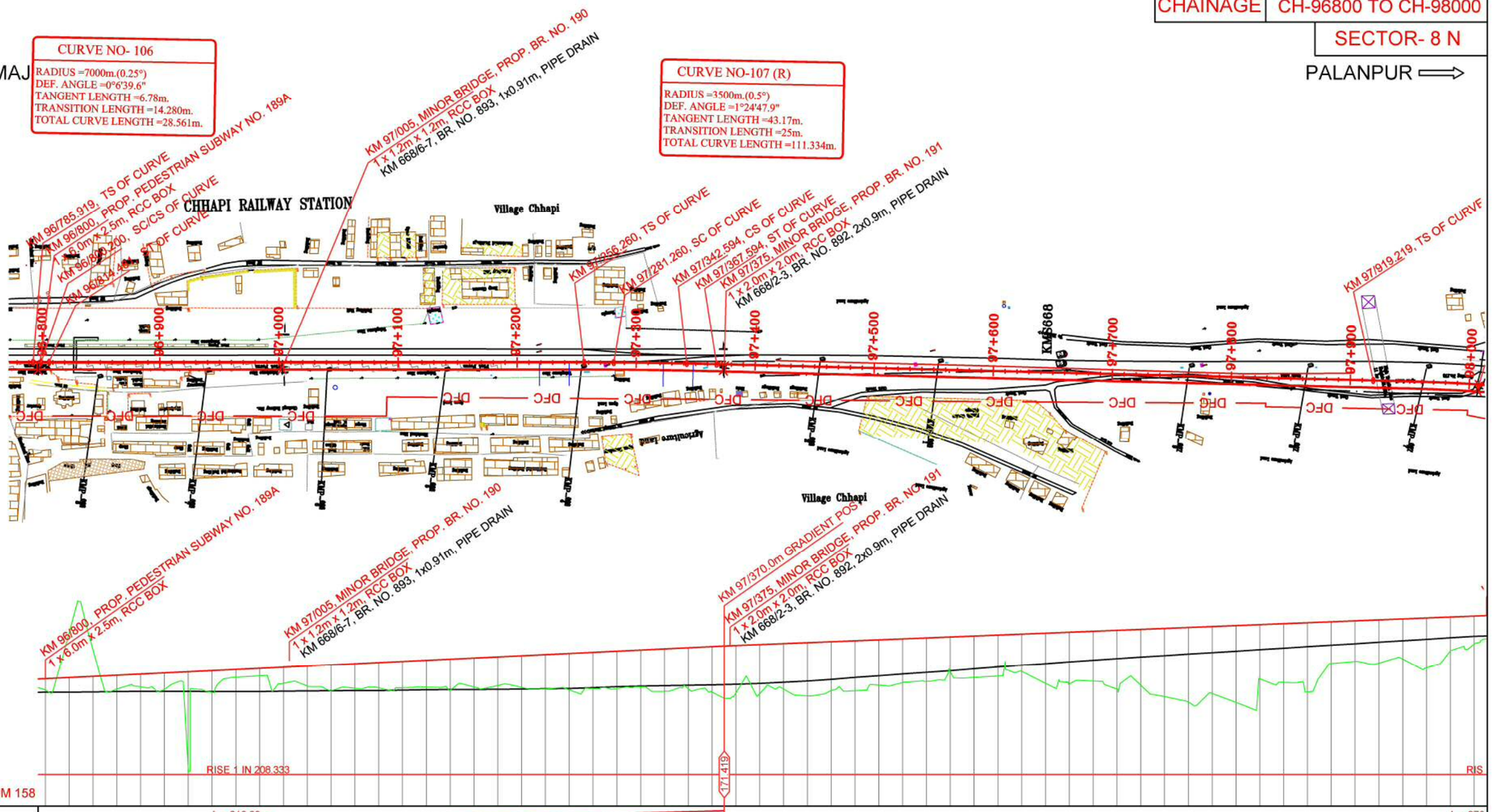
V-2-5-253

⇐ WAMAJ

PALANPUR ⇒

CURVE NO- 106
RADIUS =7000m.(0.25°)
DEF. ANGLE =0°6'39.6"
TANGENT LENGTH =6.78m.
TRANSITION LENGTH =14.280m.
TOTAL CURVE LENGTH =28.561m.

CURVE NO-107 (R)
RADIUS =3500m.(0.5°)
DEF. ANGLE =1°24'47.9"
TANGENT LENGTH =43.17m.
TRANSITION LENGTH =25m.
TOTAL CURVE LENGTH =111.334m.



Vertical Alignment	L = 810.00 m, G= 0.480%; L = 970, G= 0.4
Horizontal Alignment	L=792.886m; L=25 m; R=3500 m; L=111.334m; L=25 m; L=551.625m; L=95 m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
96800.0	-2.101	0.970	168.583	167.545	167.713
96820.0	-2.010	-3.856	168.779	167.557	172.635
96840.0	-1.938	-2.153	168.875	167.570	171.028
96860.0	-1.853	1.151	168.971	167.597	167.820
96880.0	-1.754	1.082	169.067	167.624	167.985
96900.0	-1.657	1.350	169.163	167.623	167.813
96920.0	-1.564	8.359	169.259	167.611	160.900
96940.0	-1.472	1.820	169.355	167.607	167.535
96960.0	-1.379	0.655	169.451	167.608	168.796
96980.0	-1.289	0.628	169.547	167.609	168.919
97000.0	-1.204	1.346	169.643	167.632	168.297
97020.0	-1.126	1.689	169.739	167.654	168.050
97040.0	-1.046	2.163	169.835	167.670	167.672
97060.0	-0.960	2.053	169.931	167.679	167.878
97080.0	-0.870	2.122	170.027	167.689	167.905
97100.0	-0.773	2.195	170.123	167.717	167.928
97120.0	-0.666	2.242	170.219	167.746	167.977
97140.0	-0.560	2.572	170.315	167.765	167.743
97160.0	-0.463	2.431	170.411	167.775	167.980
97180.0	-0.369	2.393	170.507	167.786	168.114
97200.0	-0.275	2.656	170.503	167.801	167.947
97220.0	-0.187	2.883	170.599	167.831	167.816
97240.0	-0.130	3.061	170.795	167.861	167.734
97260.0	-0.131	3.040	170.891	167.928	167.851
97280.0	-0.207	3.133	170.987	168.005	167.854
97300.0	-0.502	3.086	171.083	168.064	167.997
97320.0	-1.769	3.558	171.179	168.096	167.621
97340.0	-3.807	3.467	171.275	168.127	167.808
97360.0	-6.010	3.838	171.371	168.167	167.533
97380.0	-7.526	3.940	171.459	168.207	167.519
97400.0	-8.332	4.103	171.539	168.275	167.436
97420.0	-8.826	3.832	171.519	168.376	167.787
97440.0	-9.235	4.460	171.599	168.476	167.239
97460.0	-9.615	4.081	171.779	168.623	167.698
97480.0	-9.981	4.185	171.859	168.780	167.674
97500.0	-10.279	3.802	171.939	168.930	168.137
97520.0	-10.458	3.665	172.019	169.068	168.354
97540.0	-10.542	3.659	172.099	169.206	168.440
97560.0	-10.579	2.936	172.179	169.353	169.243
97580.0	-10.587	3.480	172.259	169.507	168.779
97600.0	-10.555	3.435	172.339	169.659	168.904
97620.0	-10.470	3.148	172.419	169.802	169.271
97640.0	-10.348	4.223	172.499	169.945	168.276
97660.0	-10.329	4.344	172.579	170.089	168.235
97680.0	-10.410	4.171	172.659	170.232	168.488
97700.0	-10.593	4.931	172.739	170.367	167.808
97720.0	-10.914	4.707	172.819	170.492	168.112
97740.0	-11.350	5.729	172.899	170.617	167.170
97760.0	-11.831	6.281	172.979	170.743	166.698
97780.0	-12.324	5.636	173.059	170.868	167.423
97800.0	-12.853	6.460	173.139	170.993	166.679
97820.0	-13.395	4.575	173.219	171.119	168.644
97840.0	-13.961	4.942	173.299	171.244	168.357
97860.0	-14.516	5.805	173.379	171.369	167.574
97880.0	-15.044	3.508	173.459	171.495	169.951
97900.0	-15.536	3.414	173.539	171.620	170.125
97920.0	-15.875	3.626	173.619	171.741	169.993
97940.0	-16.090	3.387	173.699	171.859	170.312
97960.0	-16.133	4.181	173.779	171.961	169.598
97980.0	-16.009	2.818	173.859	172.120	171.041
98000.0	-15.752	2.333	173.939	172.295	171.607

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.
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DETAILED PROJECT REPORT

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

PLAN & PROFILE
(Km 96.800 to Km 98.000)

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

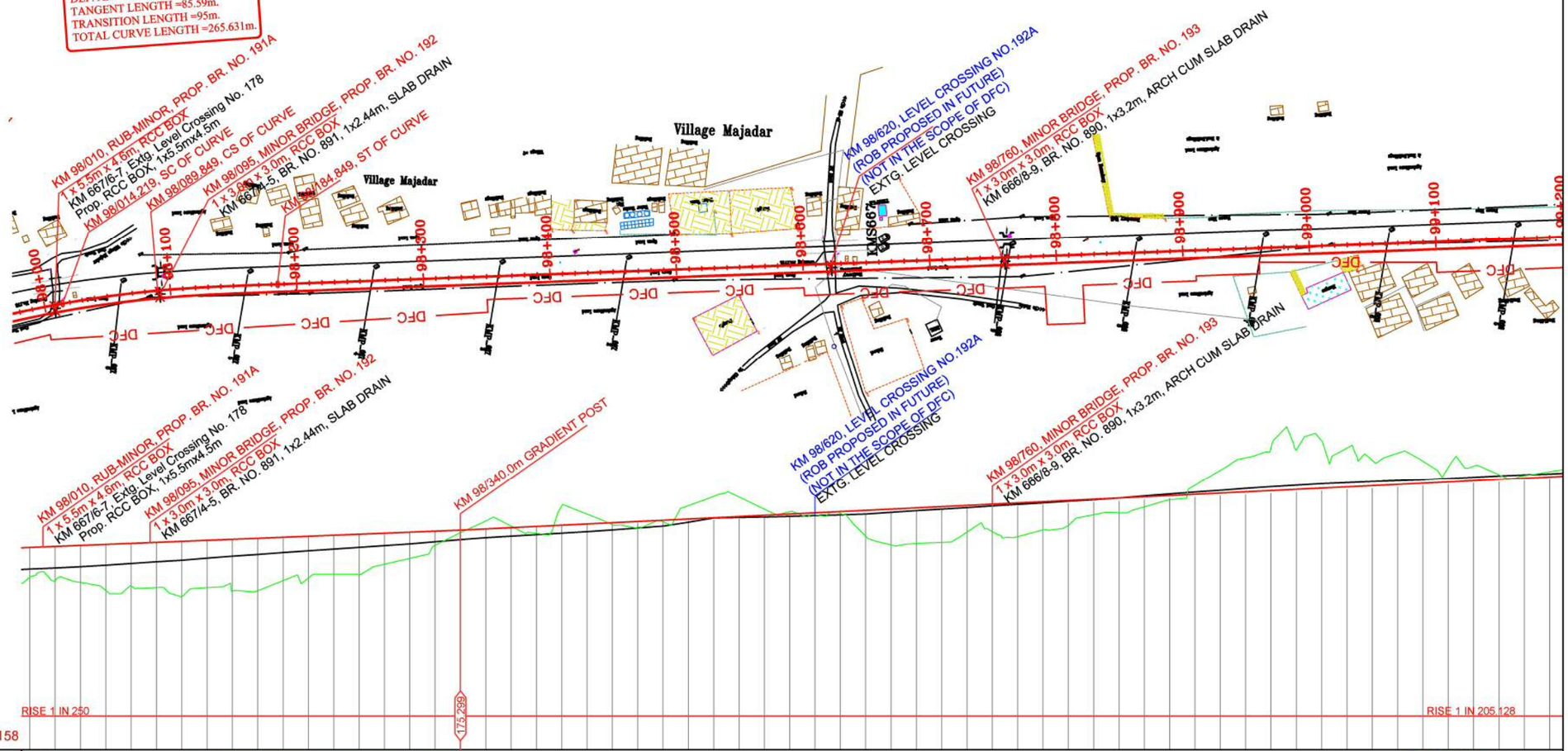
CHAINAGE	CH-98000 TO CH-99200
SECTOR- 8 N	

V-2-5-254

⟸ WAMAJ

PALANPUR ⟹

CURVE NO-108 (R)
RADIUS =875m.(2.0°)
DEF. ANGLE =11°10'23"
TANGENT LENGTH =85.59m.
TRANSITION LENGTH =95m.
TOTAL CURVE LENGTH =265.631m.



Vertical Alignment	970.00 m; ÷ 0.400%; L = 1200.00 m; G= 0.4875%
Horizontal Alignment	R=875 m; L=265.631m; L=95 m; L=1383.153m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
98000.0	-15.752	2.333	173.939	172.235	171.606
98020.0	-15.457	2.653	174.019	172.314	171.366
98040.0	-15.077	2.925	174.099	172.413	171.174
98060.0	-14.695	3.654	174.179	172.540	170.525
98080.0	-14.366	3.361	174.259	172.677	170.898
98100.0	-14.133	3.560	174.339	172.800	170.779
98120.0	-14.025	4.327	174.419	172.929	170.092
98140.0	-14.019	3.732	174.499	173.099	170.767
98160.0	-14.039	4.068	174.579	173.250	170.511
98180.0	-14.062	4.126	174.659	173.390	170.533
98200.0	-14.040	3.407	174.739	173.531	171.332
98220.0	-14.025	3.272	174.819	173.668	171.547
98240.0	-14.015	3.080	174.899	173.804	171.819
98260.0	-13.999	3.164	174.979	173.941	171.815
98280.0	-13.973	2.431	175.059	174.080	172.628
98300.0	-13.944	2.058	175.139	174.219	173.081
98320.0	-13.923	1.108	175.219	174.380	174.111
98340.0	-13.910	0.198	175.299	174.543	175.101
98360.0	-13.902	-0.627	175.397	174.695	176.024
98380.0	-13.899	-0.104	175.494	174.814	175.598
98400.0	-13.903	0.557	175.592	174.933	175.035
98420.0	-13.909	-1.561	175.589	175.052	177.250
98440.0	-13.920	-0.766	175.787	175.172	176.553
98460.0	-13.931	0.162	175.884	175.306	175.722
98480.0	-13.929	0.549	175.982	175.461	175.433
98500.0	-13.924	0.146	176.079	175.616	175.933
98520.0	-13.940	-1.059	176.177	175.929	177.236
98540.0	-13.981	-1.699	176.274	176.261	177.973
98560.0	-13.987	-1.527	176.372	176.298	177.899
98580.0	-13.961	-0.471	176.469	176.335	176.940
98600.0	-13.927	-0.179	176.567	176.372	176.746
98620.0	-13.910	0.175	176.664	176.439	176.489
98640.0	-13.913	0.143	176.762	176.489	176.619
98660.0	-13.930	2.066	176.859	176.570	174.793
98680.0	-13.937	2.829	176.957	176.701	174.128
98700.0	-13.939	2.803	177.054	176.831	174.251
98720.0	-13.939	2.818	177.152	176.961	174.334
98740.0	-13.944	2.087	177.249	177.076	175.162
98760.0	-13.929	2.183	177.347	177.206	175.164
98780.0	-13.900	2.658	177.444	177.327	174.786
98800.0	-13.915	2.230	177.542	177.449	175.312
98820.0	-13.932	1.953	177.639	177.574	175.686
98840.0	-13.939	1.220	177.737	177.706	176.517
98860.0	-13.943	1.171	177.834	177.843	176.663
98880.0	-13.941	0.789	177.932	177.998	177.143
98900.0	-13.937	0.326	178.029	178.154	177.703
98920.0	-13.939	-0.733	178.127	178.304	178.860
98940.0	-13.964	-1.808	178.224	178.452	180.032
98960.0	-13.952	-2.697	178.322	178.597	181.019
98980.0	-13.828	-3.487	178.419	178.727	181.906
99000.0	-13.638	-3.172	178.517	178.857	181.689
99020.0	-13.536	-3.691	178.514	178.962	182.305
99040.0	-13.564	-3.092	178.712	179.053	181.804
99060.0	-13.624	-1.988	178.809	179.139	180.797
99080.0	-13.654	-2.475	178.907	179.210	181.382
99100.0	-13.680	-1.726	179.004	179.280	180.730
99120.0	-13.701	-1.191	179.102	179.374	180.293
99140.0	-13.716	-1.161	179.199	179.477	180.360
99160.0	-13.730	-0.357	179.297	179.654	179.654
99180.0	-13.743	-0.201	179.394	179.666	179.666
99200.0	-13.756	-0.420	179.492	179.737	179.317

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)

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DETAILED PROJECT REPORT

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

PLAN & PROFILE
(Km 98.000 to Km 99.200)

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

DFCC CONSORTIUM NJPL NEW DELHI

CHAINAGE	CH-99200 TO CH-100000
	SECTOR- 8 N

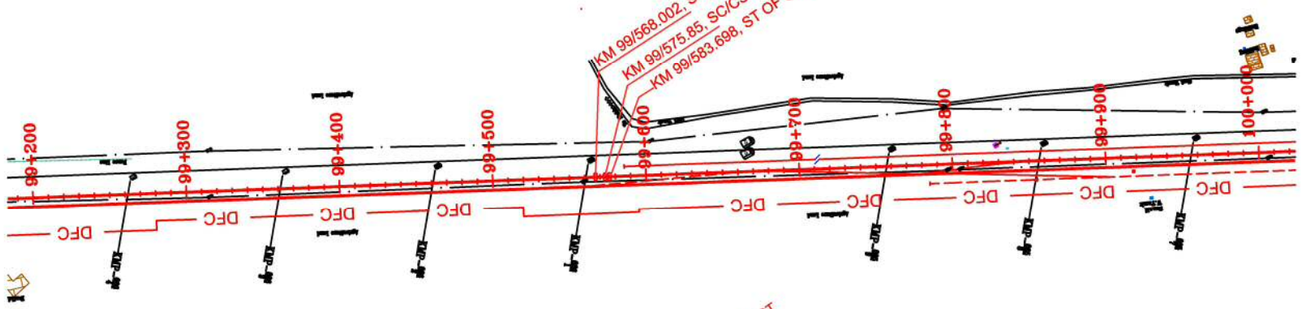
V-2-5-255

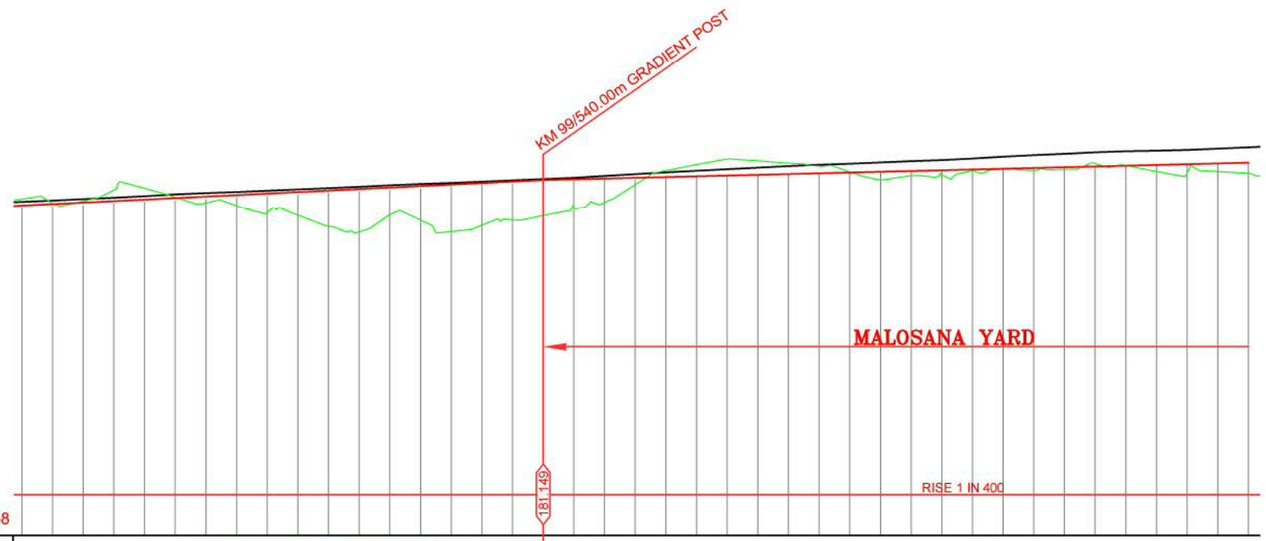
⟸ WAMAJ

PALANPUR ⟹

CURVE NO- 109

RADIUS =7000m.(0.25°)
DEF. ANGLE =0°0'20.5"
TANGENT LENGTH =0.35m.
TRANSITION LENGTH =7.848m.
TOTAL CURVE LENGTH =15.696m.





Vertical Alignment: L = 2400.00 m, G= 0.25%

Horizontal Alignment: L=1383.153m, R=7000m, TCL=15.696m, L=2365.029m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
99200.0	-13.756	-0.420	179.492	179.737	179.912
99220.0	-13.776	-0.030	179.589	179.827	179.619
99240.0	-13.802	-0.102	179.587	179.918	179.789
99260.0	-13.831	-0.726	179.784	180.011	180.510
99280.0	-13.866	-0.726	179.882	180.114	180.608
99300.0	-13.904	-0.051	179.979	180.217	180.030
99320.0	-13.925	0.419	180.077	180.305	179.658
99340.0	-13.921	0.719	180.174	180.386	179.455
99360.0	-13.917	1.228	180.272	180.468	179.044
99380.0	-13.931	1.522	180.369	180.551	178.847
99400.0	-13.951	2.336	180.467	180.635	178.131
99420.0	-13.970	2.791	180.564	180.722	177.773
99440.0	-13.982	1.763	180.662	180.811	178.899
99460.0	-13.991	2.243	180.759	180.897	178.516
99480.0	-13.996	3.071	180.857	180.976	177.786
99500.0	-14.001	2.746	180.954	181.055	178.208
99520.0	-14.014	2.508	181.052	181.136	178.544
99540.0	-14.037	2.319	181.149	181.217	178.830
99560.0	-14.053	1.848	181.199	181.310	179.351
99580.0	-14.044	1.554	181.249	181.431	179.695
99600.0	-14.024	0.427	181.299	181.551	180.872
99620.0	-14.023	-0.433	181.349	181.662	181.782
99640.0	-14.041	-0.767	181.399	181.770	182.186
99660.0	-14.060	-1.081	181.449	181.874	182.530
99680.0	-14.066	-0.902	181.499	181.968	182.401
99700.0	-14.065	-0.704	181.549	182.063	182.253
99720.0	-14.059	-0.465	181.599	182.149	182.064
99740.0	-14.043	-0.040	181.649	182.229	181.689
99760.0	-14.027	0.542	181.699	182.308	181.157
99780.0	-14.022	0.311	181.749	182.386	181.438
99800.0	-14.018	0.309	181.799	182.463	181.490
99820.0	-14.002	0.083	181.849	182.567	181.766
99840.0	-13.974	0.037	181.899	182.674	181.862
99860.0	-13.954	0.162	181.949	182.776	181.787
99880.0	-13.950	0.151	181.999	182.874	181.848
99900.0	-13.954	-0.177	182.049	182.971	182.226
99920.0	-13.958	-0.002	182.099	183.028	182.101
99940.0	-13.962	0.430	182.149	183.072	181.719
99960.0	-13.964	0.527	182.199	183.123	181.672
99980.0	-13.957	0.541	182.249	183.210	181.708
100000.0	-13.948	0.707	182.299	183.296	181.592

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 99.200 to Km 10.000)

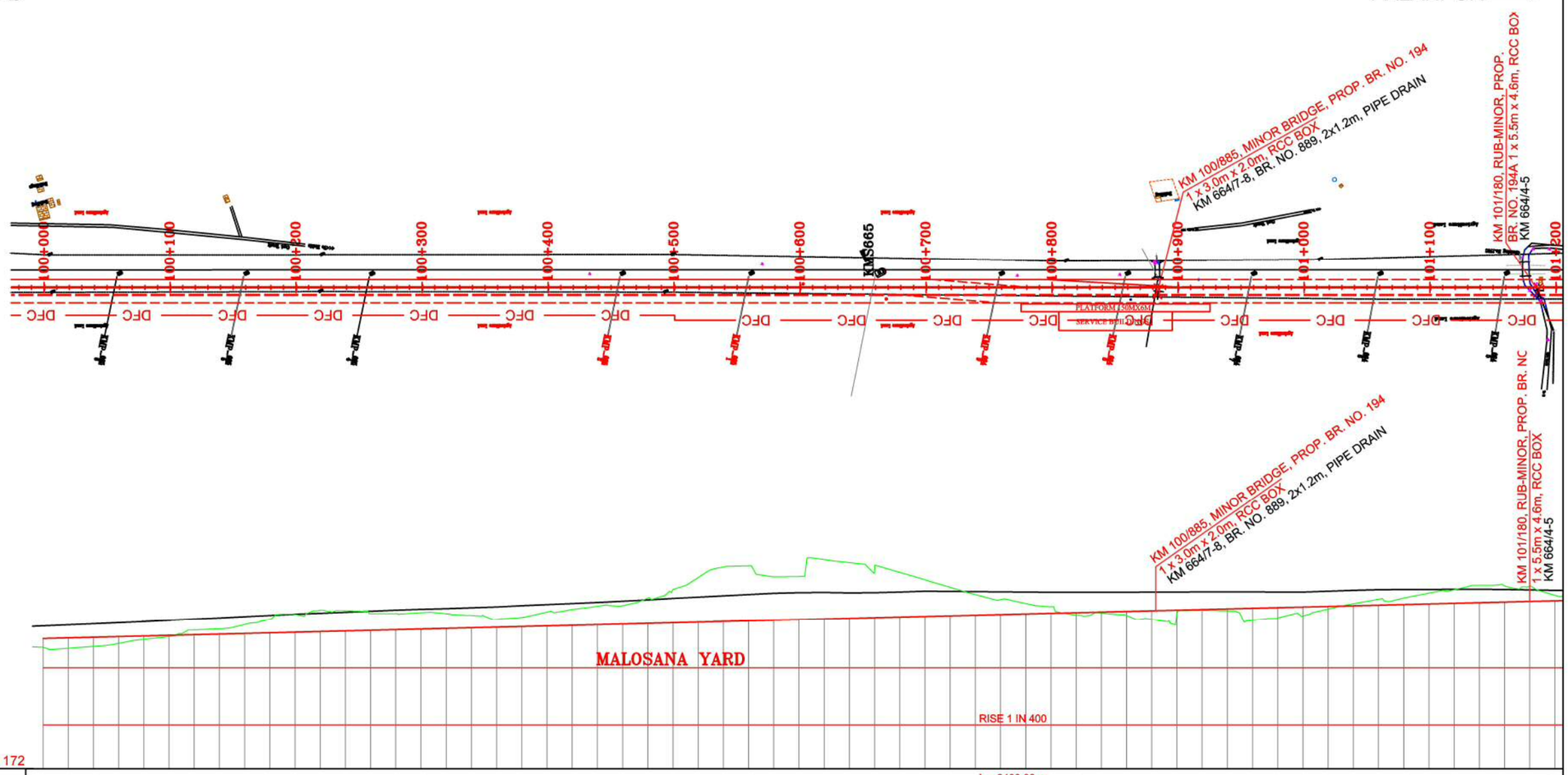
SCALE :	H= 1:2500, V= 1:250
DRAWN BY:	DN
DESG.BY:	CKD
CHKD.BY:	KK
APPVD BY:	
DWG.NO:	RCPL/DFCC/WC/Wam-Pal/AP
SHEET NO:	OF 63

V-2-5-256

CHAINAGE	CH-100000 TO CH-101200
SECTOR- 8 N	

⟸ WAMAJ

PALANPUR ⟹



LEVEL DATUM 172

Vertical Alignment	L = 2400.00 m; G= 0.250%
Horizontal Alignment	L=2365.029m

Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels	Chainage
-13.948	0.707	182.299	183.296	181.592	100000.0
-13.950	0.834	182.349	183.376	181.515	100020.0
-13.959	0.739	182.399	183.456	181.660	100040.0
-13.963	0.548	182.449	183.543	181.901	100060.0
-13.954	0.277	182.499	183.638	182.222	100080.0
-13.946	0.098	182.549	183.734	182.451	100100.0
-13.961	-0.378	182.599	183.829	182.977	100120.0
-13.995	-0.409	182.649	183.924	183.058	100140.0
-14.018	-0.696	182.699	184.021	183.395	100160.0
-14.016	-1.062	182.749	184.120	183.811	100180.0
-14.006	-1.408	182.799	184.219	184.207	100200.0
-14.006	-1.695	182.849	184.297	184.544	100220.0
-14.012	-1.591	182.899	184.375	184.490	100240.0
-14.019	-1.300	182.949	184.455	184.249	100260.0
-14.026	-1.251	182.999	184.538	184.250	100280.0
-14.033	-1.288	183.049	184.619	184.337	100300.0
-14.039	-1.161	183.099	184.672	184.260	100320.0
-14.043	-0.970	183.149	184.725	184.119	100340.0
-14.042	-0.609	183.199	184.800	183.808	100360.0
-14.032	-0.712	183.249	184.902	183.961	100380.0
-14.024	-1.088	183.299	184.993	184.387	100400.0
-14.028	-1.247	183.349	185.072	184.596	100420.0
-14.037	-1.454	183.399	185.151	184.853	100440.0
-14.044	-1.445	183.449	185.250	184.894	100460.0
-14.047	-1.997	183.499	185.366	185.496	100480.0
-14.050	-2.631	183.549	185.483	186.180	100500.0
-14.058	-3.541	183.599	185.585	187.140	100520.0
-14.069	-4.322	183.649	185.684	187.971	100540.0
-14.074	-4.365	183.699	185.783	188.064	100560.0
-14.059	-3.440	183.749	185.883	187.189	100580.0
-14.044	-3.425	183.799	185.960	187.224	100600.0
-14.058	-4.702	183.849	185.951	188.551	100620.0
-14.097	-4.417	183.899	185.924	188.316	100640.0
-14.124	-3.863	183.949	185.933	187.812	100660.0
-14.120	-3.546	183.999	185.993	187.545	100680.0
-14.106	-2.908	184.049	186.052	188.957	100700.0
-14.100	-2.257	184.099	186.041	188.356	100720.0
-14.098	-1.639	184.149	186.027	185.788	100740.0
-14.097	-1.176	184.199	186.007	185.375	100760.0
-14.093	-0.820	184.249	185.983	185.069	100780.0
-14.086	-0.525	184.299	185.963	184.824	100800.0
-14.069	0.195	184.349	185.965	184.154	100820.0
-14.045	0.085	184.399	185.966	184.314	100840.0
-14.026	0.334	184.449	185.971	184.115	100860.0
-14.017	0.695	184.499	185.980	183.804	100880.0
-14.010	0.248	184.549	185.988	184.301	100900.0
-14.008	0.078	184.599	185.995	184.521	100920.0
-14.005	0.170	184.649	186.002	184.479	100940.0
-14.000	0.961	184.699	186.001	183.738	100960.0
-13.987	0.835	184.749	185.992	183.914	100980.0
-13.974	0.704	184.799	185.982	184.095	101000.0
-13.972	0.222	184.849	186.047	184.627	101020.0
-13.983	-0.151	184.899	186.124	185.050	101040.0
-13.992	-0.467	184.949	186.173	185.416	101060.0
-13.990	-0.503	184.999	186.183	185.502	101080.0
-13.988	-0.855	185.049	186.193	185.904	101100.0
-14.002	-1.070	185.099	186.200	186.169	101120.0
-14.027	-1.359	185.149	186.206	186.506	101140.0
-14.041	-1.284	185.199	186.195	186.483	101160.0
-14.035	-1.215	185.249	186.156	186.464	101180.0
-14.024	-0.432	185.299	186.128	185.867	101200.0

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

जेडीफेडेड 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

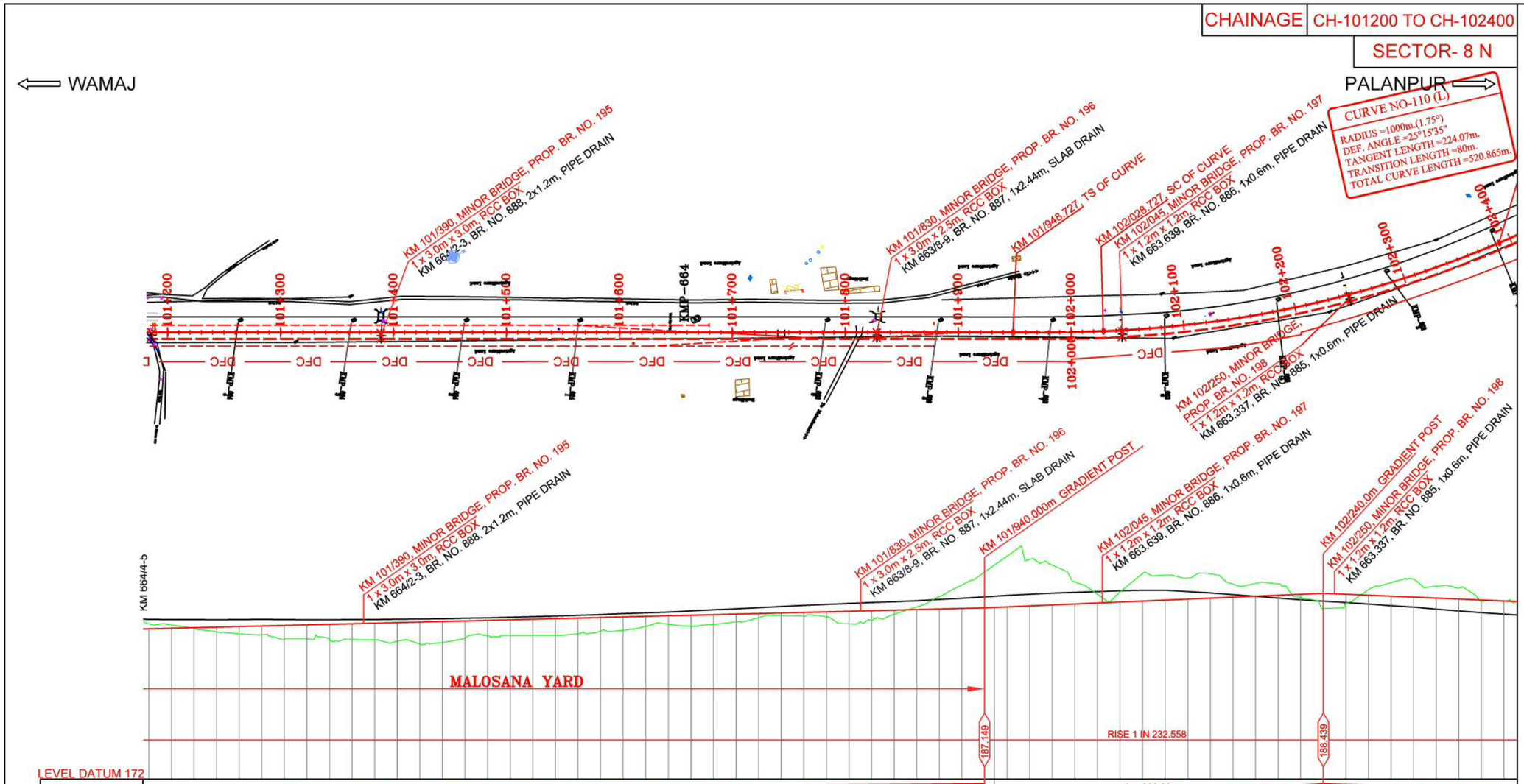
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 100.000 to Km 101.200)

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-101200 TO CH-102400
SECTOR- 8 N	

V-2-5-257



Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
101200.0	-14.024	-0.432	185.299	186.128	185.731
101220.0	-14.016	-0.287	185.349	186.115	185.636
101240.0	-14.010	0.070	185.399	186.101	185.329
101260.0	-14.008	0.444	185.449	186.093	185.005
101280.0	-14.013	0.637	185.499	186.111	184.862
101300.0	-14.017	0.782	185.549	186.124	184.767
101320.0	-14.029	1.217	185.599	186.110	184.382
101340.0	-14.050	1.251	185.649	186.097	184.398
101360.0	-14.062	1.321	185.699	186.090	184.378
101380.0	-14.054	1.388	185.749	186.102	184.361
101400.0	-14.037	1.479	185.799	186.115	184.320
101420.0	-14.026	1.640	185.849	186.134	184.209
101440.0	-14.027	1.952	185.899	186.153	183.947
101460.0	-14.026	1.849	185.949	186.180	184.100
101480.0	-14.014	1.542	185.999	186.221	184.457
101500.0	-14.002	1.382	186.049	186.262	184.667
101520.0	-13.996	1.408	186.099	186.312	184.691
101540.0	-13.997	1.451	186.149	186.361	184.698
101560.0	-14.000	1.468	186.199	186.415	184.731
101580.0	-14.003	1.400	186.249	186.485	184.849
101600.0	-14.006	1.193	186.299	186.555	185.106
101620.0	-14.009	1.192	186.349	186.625	185.157
101640.0	-14.008	0.891	186.399	186.699	185.508
101660.0	-14.007	0.756	186.449	186.775	185.693
101680.0	-14.006	0.976	186.499	186.869	185.523
101700.0	-14.006	0.863	186.549	186.963	185.686
101720.0	-14.007	0.693	186.599	187.059	185.906
101740.0	-14.008	0.371	186.649	187.161	186.278
101760.0	-14.009	0.255	186.699	187.262	186.444
101780.0	-14.007	0.332	186.749	187.361	186.417
101800.0	-13.998	0.436	186.799	187.449	186.363
101820.0	-13.989	1.121	186.849	187.537	185.728
101840.0	-13.989	0.880	186.899	187.612	186.019
101860.0	-14.000	0.367	186.949	187.684	186.582
101880.0	-14.003	-0.227	186.999	187.766	187.226
101900.0	-13.980	-1.117	187.049	187.879	188.166
101920.0	-13.943	-2.079	187.099	187.991	189.178
101940.0	-13.924	-3.151	187.149	188.111	190.300
101960.0	-13.900	-4.478	187.235	188.234	191.713
101980.0	-13.930	-4.097	187.321	188.342	191.418
102000.0	-13.904	-3.511	187.407	188.435	190.918
102020.0	-13.836	-1.932	187.493	188.517	189.425
102040.0	-13.672	-0.765	187.579	188.582	188.344
102060.0	-13.390	-0.878	187.665	188.647	188.543
102080.0	-13.149	-2.436	187.751	188.695	190.187
102100.0	-13.041	-2.195	187.837	188.696	190.032
102120.0	-12.976	-1.859	187.923	188.582	189.782
102140.0	-12.941	-2.147	188.009	188.454	190.156
102160.0	-12.934	-1.141	188.095	188.308	189.236
102180.0	-12.957	-1.125	188.181	188.157	189.306
102200.0	-12.997	-0.995	188.267	188.010	189.262
102220.0	-13.060	0.303	188.353	187.857	188.050
102240.0	-13.173	1.361	188.439	187.729	187.078
102260.0	-13.403	0.814	188.353	187.612	187.539
102280.0	-13.701	-0.473	188.267	187.482	188.740
102300.0	-14.019	-1.197	188.181	187.326	189.378
102320.0	-14.373	-1.569	188.095	187.208	189.664
102340.0	-14.810	-1.051	188.009	187.023	189.060
102360.0	-15.338	-0.953	187.923	186.862	188.876
102380.0	-15.771	0.116	187.837	186.717	187.721
102400.0	-16.089	0.021	187.751	186.585	187.729

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 101.200 to Km 102.400)

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

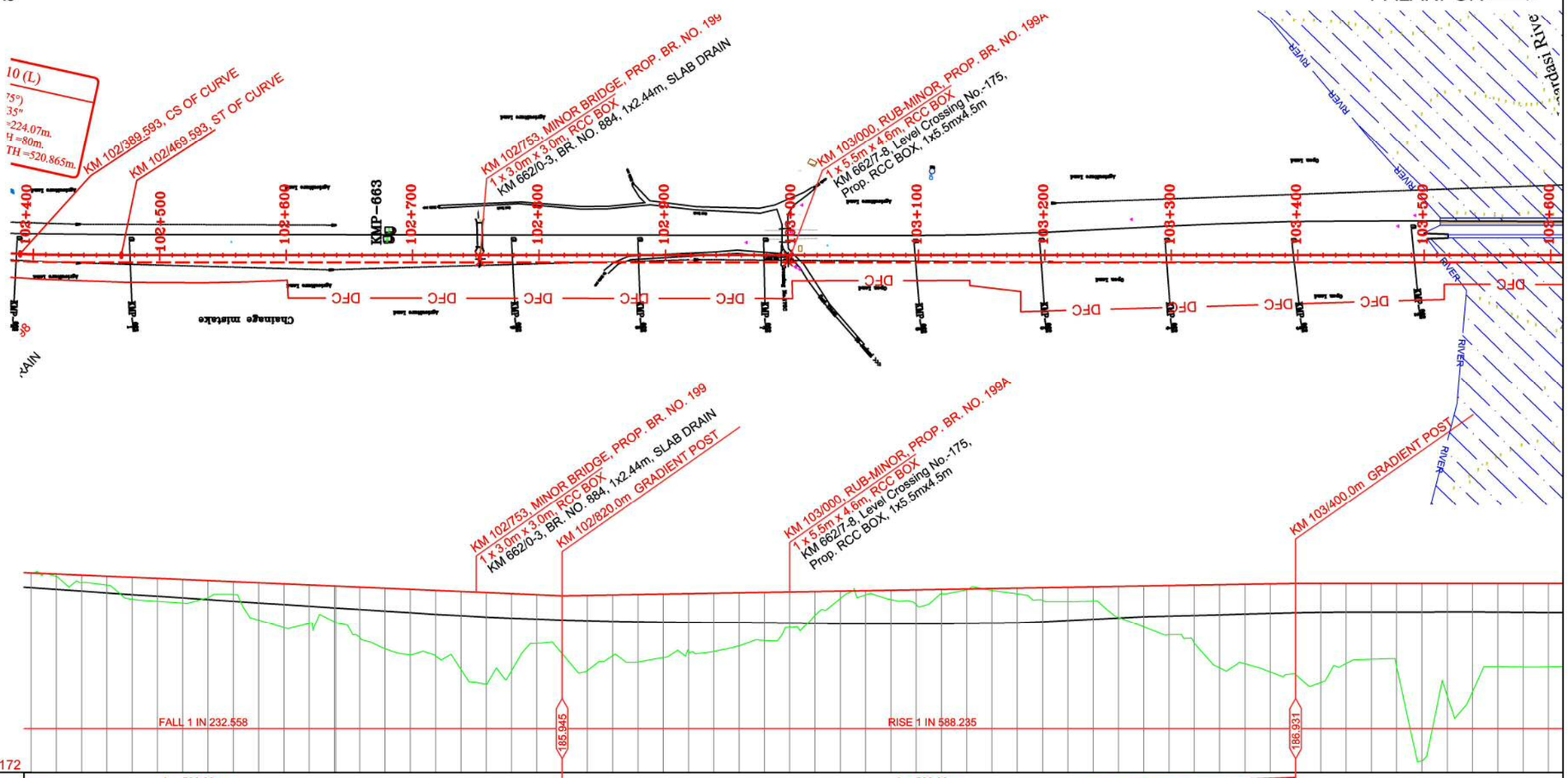
CONSORTIUM NJPI

CHAINAGE	CH-102400 TO CH-103600
SECTOR- 8 N	

V-2-5-258

⇦ WAMAJ

PALANPUR ⇨



LEVEL DATUM 172

Vertical Alignment	L = 580.00 m, G= -0.430%; L = 580.00 m, G= 0.170%
Horizontal Alignment	L=80 m; L=1452.941m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
102400.0	-16.089	0.021	187.751	186.585	187.730
102420.0	-16.304	0.185	187.665	186.452	187.480
102440.0	-16.327	0.598	187.579	186.308	186.981
102460.0	-16.284	0.701	187.493	186.163	186.792
102480.0	-16.236	1.739	187.407	186.029	185.668
102500.0	-16.210	1.827	187.321	185.897	185.494
102520.0	-16.199	1.876	187.235	185.765	185.359
102540.0	-16.180	1.373	187.149	185.633	185.776
102560.0	-16.160	1.029	187.063	185.501	186.034
102580.0	-16.140	2.963	186.977	185.368	184.014
102600.0	-16.119	3.478	186.891	185.236	183.413
102620.0	-16.099	3.072	186.805	185.106	183.733
102640.0	-16.078	2.854	186.719	184.976	183.865
102660.0	-16.056	3.993	186.633	184.846	182.640
102680.0	-16.032	4.788	186.547	184.720	181.759
102700.0	-16.005	5.191	186.461	184.595	181.270
102720.0	-15.976	5.190	186.375	184.473	181.185
102740.0	-15.946	6.164	186.289	184.360	180.125
102760.0	-15.916	7.247	186.203	184.247	178.956
102780.0	-15.887	6.091	186.117	184.163	180.026
102800.0	-15.858	3.858	186.031	184.085	182.173
102820.0	-15.831	4.576	185.945	184.009	181.369
102840.0	-15.810	5.941	185.979	183.959	180.038
102860.0	-15.793	4.818	186.013	183.908	181.195
102880.0	-15.776	5.335	186.047	183.873	180.712
102900.0	-15.756	5.023	186.081	183.841	181.058
102920.0	-15.739	4.574	186.115	183.821	181.541
102940.0	-15.727	4.607	186.149	183.813	181.542
102960.0	-15.720	4.205	186.183	183.805	181.978
102980.0	-15.706	3.816	186.217	183.790	182.401
103000.0	-15.656	2.804	186.251	183.774	183.447
103020.0	-15.605	1.901	186.285	183.758	184.384
103040.0	-15.554	0.595	186.319	183.743	185.724
103060.0	-15.499	0.352	186.353	183.740	186.001
103080.0	-15.437	0.747	186.387	183.736	185.640
103100.0	-15.478	1.185	186.421	183.738	185.236
103120.0	-15.630	0.371	186.455	183.741	186.084
103140.0	-15.928	0.078	186.489	183.750	186.411
103160.0	-16.441	0.167	186.523	183.770	186.356
103180.0	-17.143	0.472	186.557	183.790	186.085
103200.0	-17.975	1.014	186.591	183.879	185.577
103220.0	-18.964	1.154	186.625	183.981	185.471
103240.0	-20.017	1.137	186.659	184.081	185.522
103260.0	-21.030	2.472	186.693	184.178	184.221
103280.0	-22.040	3.263	186.727	184.275	183.464
103300.0	-23.023	3.905	186.761	184.327	182.858
103320.0	-24.000	4.614	186.795	184.376	182.181
103340.0	-24.870	6.587	186.829	184.435	180.242
103360.0	-25.617	6.300	186.863	184.495	180.563
103380.0	-26.225	6.975	186.897	184.555	179.922
103400.0	-26.630	7.206	186.931	184.598	179.725
103420.0	-26.802	7.840	186.931	184.641	179.091
103440.0	-26.890	6.351	186.931	184.652	180.580
103460.0	-26.970	6.011	186.931	184.648	180.920
103480.0	-27.007	6.612	186.931	184.646	180.319
103500.0	-27.005	14.026	186.931	184.656	172.905
103520.0	-26.957	8.881	186.931	184.666	178.050
103540.0	-26.892	8.554	186.931	184.669	178.377
103560.0	-26.834	6.579	186.931	184.656	180.352
103580.0	-26.772	6.617	186.931	184.642	180.314
103600.0	-26.720	6.598	186.931	184.625	180.329

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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Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

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

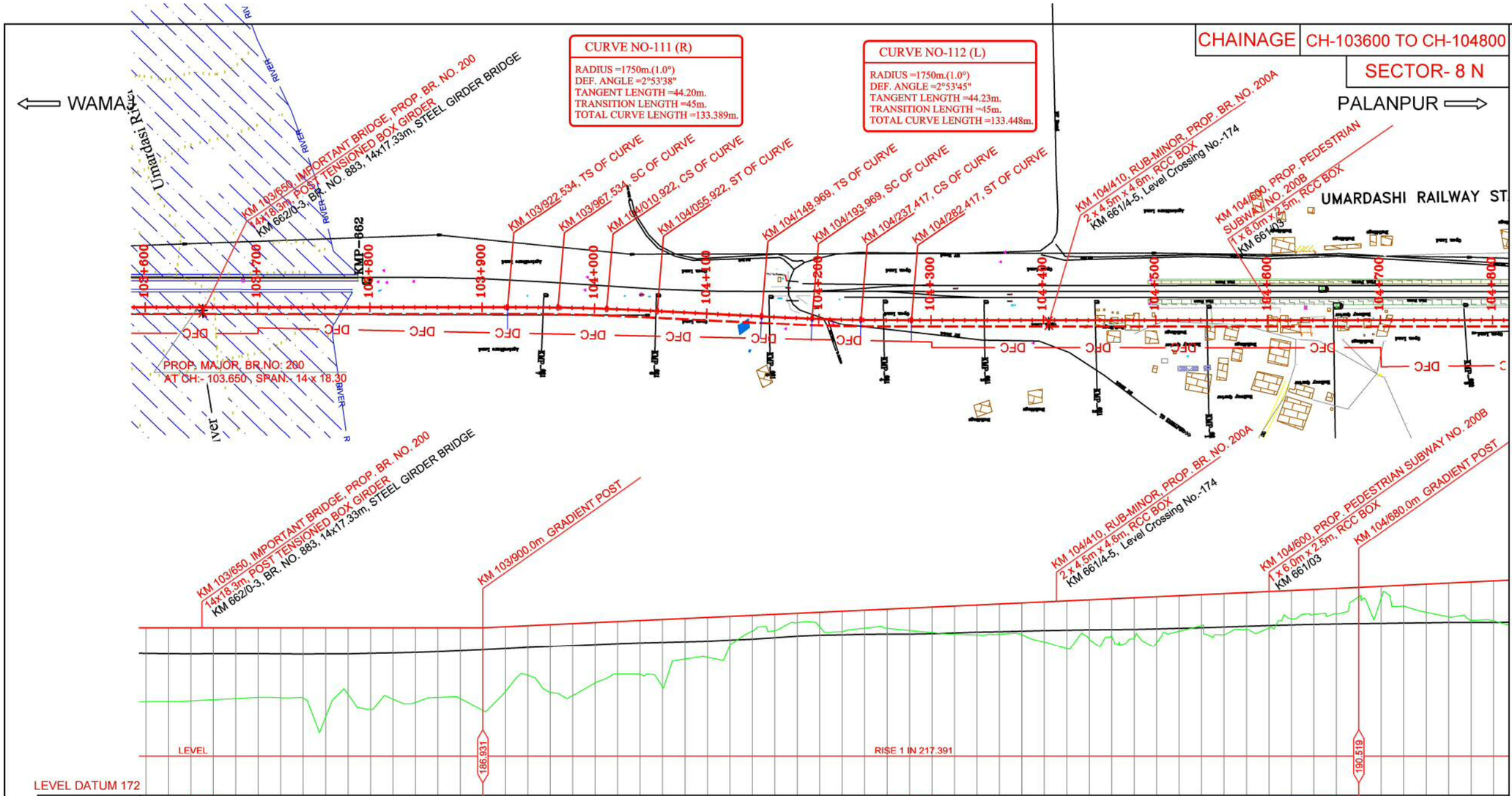
PLAN & PROFILE
(Km 102.400 to Km 103.600)

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

V-2-5-259

CHAINAGE CH-103600 TO CH-104800

SECTOR- 8 N



Vertical Alignment	L = 500.00 m, G= 0.000%; L = 780.00 m, G= 0.460%
Horizontal Alignment	L=1452.941m; L=45 m; R=1750, L=133.389; L=45 m; L=93.046m; L=45 m; R=1750, L=133.448; L=45 m; L=664.098m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
103600.0	-26.720	6.598	186.931	184.625	180.333
103620.0	-26.688	6.589	186.931	184.608	180.342
103640.0	-26.667	6.533	186.931	184.594	180.398
103660.0	-26.652	6.429	186.931	184.601	180.502
103680.0	-26.645	6.324	186.931	184.609	180.607
103700.0	-26.641	6.221	186.931	184.609	180.710
103720.0	-26.632	6.249	186.931	184.589	180.682
103740.0	-26.622	6.276	186.931	184.574	180.655
103760.0	-26.605	7.953	186.931	184.578	178.978
103780.0	-26.582	5.974	186.931	184.583	180.957
103800.0	-26.564	7.295	186.931	184.629	179.636
103820.0	-26.569	6.370	186.931	184.676	180.561
103840.0	-26.515	6.667	186.931	184.724	180.264
103860.0	-26.361	6.224	186.931	184.794	180.707
103880.0	-25.951	6.326	186.931	184.871	180.605
103900.0	-25.319	7.369	186.931	184.960	179.562
103920.0	-24.464	5.785	187.023	185.060	181.238
103940.0	-23.420	4.433	187.115	185.159	182.682
103960.0	-22.367	6.041	187.207	185.249	181.166
103980.0	-21.362	6.414	187.299	185.336	180.885
104000.0	-20.518	5.396	187.391	185.421	181.995
104020.0	-19.944	4.684	187.483	185.499	182.799
104040.0	-19.546	4.786	187.575	185.576	182.789
104060.0	-19.469	6.000	187.667	185.624	181.667
104080.0	-19.682	3.634	187.759	185.669	184.125
104100.0	-20.123	3.568	187.851	185.720	184.283
104120.0	-20.809	2.578	187.943	185.815	185.365
104140.0	-21.746	1.466	188.035	185.910	186.569
104160.0	-22.724	1.463	188.127	186.040	186.664
104180.0	-23.667	0.839	188.219	186.173	187.380
104200.0	-24.476	1.299	188.311	186.258	187.012
104220.0	-25.246	1.826	188.403	186.303	186.577
104240.0	-25.775	1.601	188.495	186.348	186.894
104260.0	-25.407	1.708	188.587	186.364	186.879
104280.0	-24.089	1.992	188.679	186.372	186.687
104300.0	-22.372	2.275	188.771	186.395	186.496
104320.0	-20.906	2.511	188.863	186.468	186.352
104340.0	-20.038	2.679	188.955	186.528	186.276
104360.0	-20.027	2.692	189.047	186.572	186.355
104380.0	-20.073	2.832	189.139	186.616	186.307
104400.0	-20.107	3.580	189.231	186.663	185.651
104420.0	-20.122	4.262	189.323	186.709	185.061
104440.0	-20.135	3.491	189.415	186.745	185.924
104460.0	-20.160	3.354	189.507	186.759	186.153
104480.0	-20.189	3.617	189.599	186.777	185.982
104500.0	-20.194	4.087	189.691	186.821	185.604
104520.0	-20.168	3.168	189.783	186.865	186.615
104540.0	-20.139	2.768	189.875	186.916	187.107
104560.0	-20.133	3.684	189.967	186.990	186.283
104580.0	-20.141	3.301	190.059	187.064	186.758
104600.0	-20.149	3.253	190.151	187.122	186.898
104620.0	-20.145	2.519	190.243	187.175	187.724
104640.0	-20.134	2.231	190.335	187.228	188.104
104660.0	-20.119	2.251	190.427	187.263	188.176
104680.0	-20.094	0.832	190.519	187.291	189.687
104700.0	-20.070	1.028	190.615	187.318	189.587
104720.0	-20.073	1.858	190.711	187.344	188.853
104740.0	-20.113	2.507	190.807	187.369	188.300
104760.0	-20.151	3.001	190.903	187.395	187.902
104780.0	-20.159	3.415	190.999	187.400	187.584
104800.0	-20.129	3.565	191.095	187.403	187.540

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

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DETAILED PROJECT REPORT

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

PLAN & PROFILE
(Km 103.600 to Km 104.800)

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-104800 TO CH-106000
SECTOR- 8 N	

V-2-5-260

⟸ WAMAJ

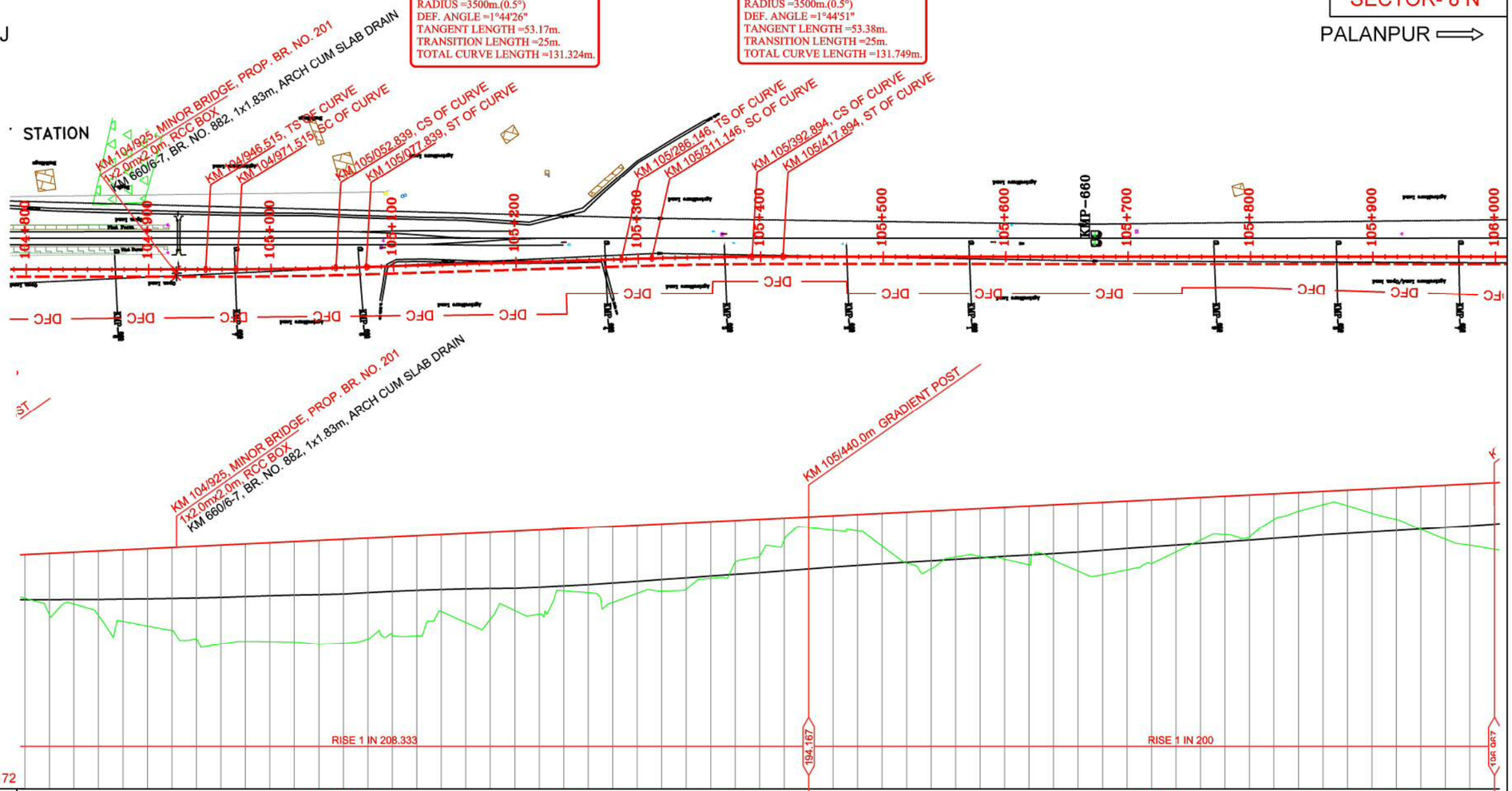
PALANPUR ⟹

CURVE NO-113 (L)

RADIUS =3500m.(0.5°)
DEF. ANGLE =1°44'26"
TANGENT LENGTH =53.17m.
TRANSITION LENGTH =25m.
TOTAL CURVE LENGTH =131.324m.

CURVE NO-114(R)

RADIUS =3500m.(0.5°)
DEF. ANGLE =1°44'51"
TANGENT LENGTH =53.38m.
TRANSITION LENGTH =25m.
TOTAL CURVE LENGTH =131.749m.



Vertical Alignment	L = 760.00 m, G= 0.480% / L = 560.00 m, G= 0.500%
Horizontal Alignment	L=25 m, R=3500 m, L=25 m, L=131.324m, L=208.307m, L=25 m, R=3500 m, L=25 m, L=131.749m, L=602.846m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
104800.0	-20.129	3.565	191.095	187.403	187.530
104820.0	-20.100	5.040	191.191	187.409	186.151
104840.0	-20.097	4.236	191.287	187.418	187.051
104860.0	-20.107	5.267	191.383	187.429	186.116
104880.0	-20.126	5.849	191.479	187.455	185.630
104900.0	-20.161	6.311	191.575	187.481	185.264
104920.0	-20.182	6.789	191.671	187.511	184.882
104940.0	-20.154	7.603	191.767	187.546	184.164
104960.0	-20.083	8.075	191.863	187.588	183.788
104980.0	-19.985	7.967	191.959	187.658	183.992
105000.0	-19.817	8.083	192.055	187.728	183.972
105020.0	-19.542	8.215	192.151	187.782	183.936
105040.0	-19.140	8.488	192.247	187.823	183.759
105060.0	-18.633	8.489	192.343	187.874	183.854
105080.0	-18.072	8.239	192.439	187.978	184.200
105100.0	-17.481	8.004	192.535	188.082	184.531
105120.0	-17.006	8.178	192.631	188.168	184.453
105140.0	-17.114	6.290	192.727	188.231	186.437
105160.0	-17.604	7.275	192.823	188.294	185.548
105180.0	-18.200	7.104	192.919	188.322	185.815
105200.0	-19.066	6.494	193.015	188.347	186.521
105220.0	-19.088	6.894	193.111	188.423	186.217
105240.0	-18.464	5.068	193.207	188.528	188.139
105260.0	-17.845	5.324	193.303	188.635	187.979
105280.0	-17.232	6.205	193.399	188.770	187.194
105300.0	-16.644	5.567	193.495	188.905	187.928
105320.0	-16.109	5.486	193.591	189.045	188.105
105340.0	-15.649	5.406	193.687	189.188	188.281
105360.0	-15.296	4.634	193.783	189.331	189.149
105380.0	-15.093	3.384	193.879	189.474	190.495
105400.0	-15.029	3.006	193.975	189.616	190.969
105420.0	-15.028	1.815	194.071	189.765	192.256
105440.0	-15.027	0.879	194.167	189.917	193.288
105460.0	-15.022	1.184	194.267	190.063	193.083
105480.0	-15.028	1.331	194.367	190.200	193.036
105500.0	-15.040	2.683	194.467	190.334	191.784
105520.0	-15.047	4.187	194.567	190.455	190.380
105540.0	-15.053	4.753	194.667	190.577	189.914
105560.0	-15.059	3.877	194.767	190.698	190.890
105580.0	-15.066	3.943	194.867	190.820	190.924
105600.0	-15.074	4.269	194.967	190.941	190.698
105620.0	-15.076	4.814	195.067	191.054	190.253
105640.0	-15.067	4.518	195.167	191.163	190.649
105660.0	-15.053	5.526	195.267	191.282	189.741
105680.0	-15.035	5.920	195.367	191.433	189.447
105700.0	-15.016	5.626	195.467	191.585	189.841
105720.0	-15.001	5.220	195.567	191.726	190.347
105740.0	-14.996	4.359	195.667	191.859	191.306
105760.0	-14.999	3.496	195.767	191.993	192.271
105780.0	-15.022	3.148	195.867	192.132	192.719
105800.0	-15.065	3.505	195.967	192.270	192.462
105820.0	-15.107	2.102	196.067	192.413	193.965
105840.0	-15.143	1.529	196.167	192.559	194.638
105860.0	-15.170	1.097	196.267	192.701	195.170
105880.0	-15.169	1.296	196.367	192.823	195.071
105900.0	-15.131	1.998	196.467	192.944	194.469
105920.0	-15.108	2.612	196.567	193.064	193.955
105940.0	-15.136	3.522	196.667	193.183	193.145
105960.0	-15.180	4.431	196.767	193.305	192.335
105980.0	-15.225	5.014	196.867	193.438	191.853
106000.0	-15.269	5.118	196.967	193.571	192.579

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)

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 104.800 to Km 106.000)

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-106000 TO CH-107200
SECTOR- 8 N	

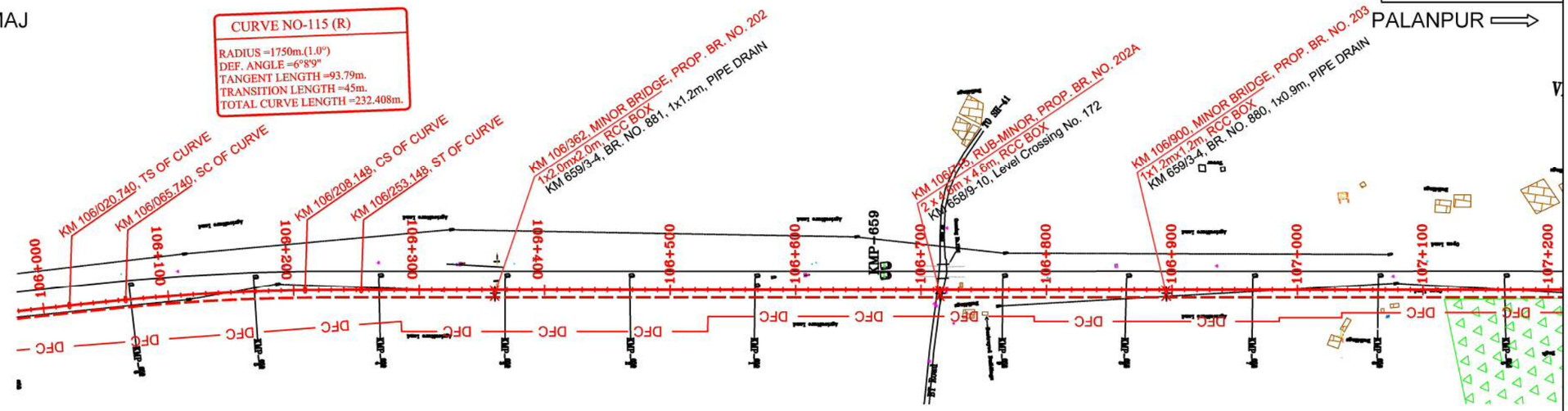
V-2-5-261

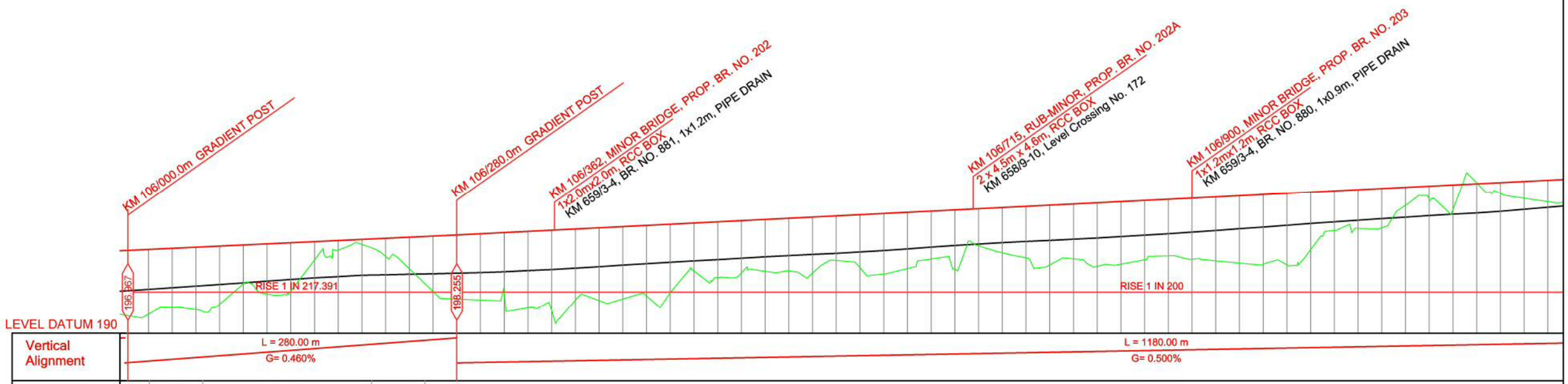
⇦ WAMAJ

PALANPUR ⇨

CURVE NO-115 (R)

RADIUS =1750m.(1.0°)
DEF. ANGLE =6°8'9"
TANGENT LENGTH =93.79m.
TRANSITION LENGTH =45m.
TOTAL CURVE LENGTH =232.408m.





Vertical Alignment	L = 280.00 m, G= 0.460%		L = 1180.00 m, G= 0.500%
Horizontal Alignment	L=45 m	R=1750 m, L=232.408m, L=45 m	L=1230.043m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
106000.0	-15.269	5.438	196.967	193.571	191.529
106020.0	-15.244	5.451	197.059	193.703	191.608
106040.0	-15.197	4.994	197.151	193.836	192.157
106060.0	-15.148	5.244	197.243	193.968	191.999
106080.0	-15.079	4.884	197.335	194.107	192.451
106100.0	-15.056	3.277	197.427	194.246	194.150
106120.0	-15.055	4.217	197.519	194.385	193.302
106140.0	-15.077	4.042	197.611	194.524	193.569
106160.0	-15.103	1.527	197.703	194.657	196.176
106180.0	-15.092	0.818	197.795	194.768	196.977
106200.0	-15.056	0.432	197.887	194.878	197.455
106220.0	-15.073	1.526	197.979	194.921	196.453
106240.0	-15.046	2.647	198.071	194.961	195.424
106260.0	-15.005	4.649	198.163	195.004	193.514
106280.0	-14.990	5.373	198.255	195.056	192.882
106300.0	-14.944	5.554	198.355	195.107	192.801
106320.0	-14.913	5.165	198.455	195.179	193.290
106340.0	-14.936	6.422	198.555	195.270	192.133
106360.0	-14.976	6.756	198.655	195.366	191.899
106380.0	-14.992	5.975	198.755	195.483	192.780
106400.0	-14.990	6.109	198.855	195.600	192.746
106420.0	-14.977	6.069	198.955	195.722	192.886
106440.0	-14.943	5.919	199.055	195.848	193.136
106460.0	-14.906	5.743	199.155	195.971	193.412
106480.0	-14.902	4.040	199.255	196.083	195.215
106500.0	-14.920	4.675	199.355	196.194	194.680
106520.0	-14.934	4.374	199.455	196.306	195.081
106540.0	-14.926	4.343	199.555	196.419	195.212
106560.0	-14.913	4.415	199.655	196.528	195.240
106580.0	-14.907	4.690	199.755	196.624	195.065
106600.0	-14.904	3.744	199.855	196.720	196.111
106620.0	-14.907	4.439	199.955	196.828	195.516
106640.0	-14.922	5.072	200.055	196.956	194.983
106660.0	-14.945	4.709	200.155	197.087	195.446
106680.0	-14.944	4.018	200.255	197.231	196.237
106700.0	-14.925	4.943	200.355	197.374	195.412
106720.0	-15.005	3.101	200.455	197.485	197.354
106740.0	-15.015	3.800	200.555	197.605	196.755
106760.0	-14.977	4.311	200.655	197.714	196.344
106780.0	-14.983	5.010	200.755	197.803	195.745
106800.0	-15.000	4.597	200.855	197.892	196.258
106820.0	-15.017	5.328	200.955	198.001	195.627
106840.0	-15.037	5.246	201.055	198.115	195.809
106860.0	-15.047	4.987	201.155	198.234	196.168
106880.0	-15.027	4.743	201.255	198.363	196.512
106900.0	-14.992	5.131	201.355	198.493	196.224
106920.0	-14.983	5.365	201.455	198.632	196.090
106940.0	-14.992	5.648	201.555	198.770	195.907
106960.0	-15.001	5.860	201.655	198.914	195.795
106980.0	-14.983	6.013	201.755	199.065	195.742
107000.0	-14.955	4.823	201.855	199.216	197.032
107020.0	-14.948	3.333	201.955	199.353	198.622
107040.0	-14.972	3.269	202.055	199.488	198.786
107060.0	-15.002	3.295	202.155	199.619	198.860
107080.0	-15.020	1.518	202.255	199.747	200.737
107100.0	-15.034	1.163	202.355	199.874	201.192
107120.0	-15.041	2.047	202.455	199.990	200.408
107140.0	-15.043	-0.067	202.555	200.098	202.622
107160.0	-15.039	0.911	202.655	200.228	201.744
107180.0	-15.026	1.417	202.755	200.404	201.338
107200.0	-15.007	1.811	202.855	200.578	201.044

LEGEND

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

REVISIONS

डेडीकेटेड फ्रेट कॉरीडोर

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

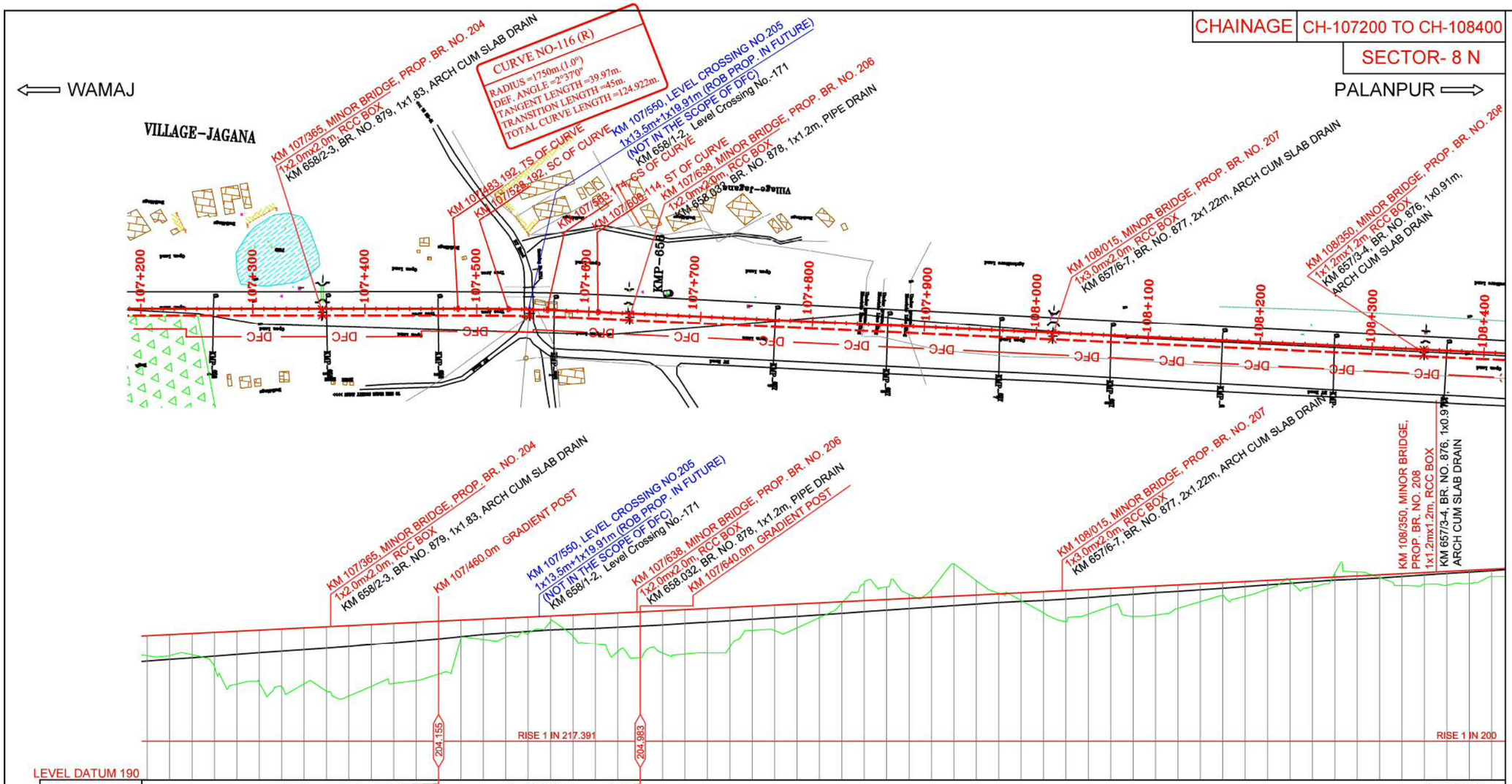
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 106.000 to Km 107.200)

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-107200 TO CH-108400
SECTOR- 8 N	

V-2-5-262



Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
107200.0	-15.007	1.811	202.855	200.578	201.044
107220.0	-14.997	1.903	202.955	200.721	201.052
107240.0	-14.997	1.923	203.055	200.863	201.132
107260.0	-15.002	3.126	203.155	201.010	200.029
107280.0	-15.008	3.720	203.255	201.163	198.535
107300.0	-15.018	4.712	203.355	201.317	198.643
107320.0	-15.029	5.190	203.455	201.455	198.265
107340.0	-15.037	4.998	203.555	201.586	198.557
107360.0	-15.053	5.760	203.655	201.726	197.895
107380.0	-15.096	6.283	203.755	201.885	197.472
107400.0	-15.159	5.515	203.855	202.045	198.340
107420.0	-15.200	5.365	203.955	202.212	198.590
107440.0	-15.218	5.212	204.055	202.379	198.843
107460.0	-15.207	4.727	204.155	202.558	199.428
107480.0	-15.162	1.592	204.247	202.759	202.655
107500.0	-15.101	1.833	204.339	202.960	202.506
107520.0	-15.030	1.708	204.431	203.099	202.723
107540.0	-15.044	1.543	204.523	203.233	202.980
107560.0	-15.151	0.474	204.615	203.360	204.141
107580.0	-15.271	1.934	204.707	203.434	202.773
107600.0	-15.347	2.705	204.799	203.508	202.094
107620.0	-15.365	3.464	204.891	203.603	201.427
107640.0	-15.311	4.103	204.983	203.707	200.880
107660.0	-15.267	3.793	205.083	203.815	201.290
107680.0	-15.171	3.979	205.183	203.935	201.204
107700.0	-15.027	3.981	205.283	204.056	201.302
107720.0	-14.887	3.543	205.383	204.183	201.840
107740.0	-14.754	2.150	205.483	204.312	203.333
107760.0	-14.635	2.270	205.583	204.442	203.313
107780.0	-14.554	2.131	205.683	204.575	203.552
107800.0	-14.503	1.321	205.783	204.708	204.462
107820.0	-14.431	0.117	205.883	204.848	205.766
107840.0	-14.321	-1.643	205.983	204.990	207.626
107860.0	-14.203	-1.110	206.083	205.132	207.193
107880.0	-14.097	-0.353	206.183	205.269	206.536
107900.0	-13.997	-0.702	206.283	205.407	206.985
107920.0	-13.897	-2.870	206.383	205.542	209.253
107940.0	-13.798	-1.275	206.483	205.675	207.758
107960.0	-13.695	-0.049	206.583	205.800	206.632
107980.0	-13.574	0.700	206.683	205.899	205.983
108000.0	-13.434	1.892	206.783	205.998	204.891
108020.0	-13.306	2.769	206.883	206.116	204.114
108040.0	-13.206	2.201	206.983	206.253	204.782
108060.0	-13.115	1.601	207.083	206.391	205.482
108080.0	-13.017	2.606	207.183	206.535	204.577
108100.0	-12.915	2.594	207.283	206.678	204.689
108120.0	-12.812	2.081	207.383	206.810	205.302
108140.0	-12.708	1.599	207.483	206.942	205.884
108160.0	-12.604	1.117	207.583	207.079	206.466
108180.0	-12.499	1.313	207.683	207.227	206.370
108200.0	-12.394	0.771	207.783	207.376	207.012
108220.0	-12.296	0.171	207.883	207.522	207.712
108240.0	-12.209	0.765	207.983	207.666	207.218
108260.0	-12.125	-0.339	208.083	207.796	208.422
108280.0	-12.035	-0.341	208.183	207.896	208.524
108300.0	-11.942	0.263	208.283	207.995	208.020
108320.0	-11.845	1.070	208.383	208.125	207.313
108340.0	-11.751	1.055	208.483	208.264	207.428
108360.0	-11.646	1.231	208.583	208.399	207.352
108380.0	-11.506	1.189	208.683	208.519	207.494
108400.0	-11.340	0.680	208.783	208.640	208.103

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

केडीकेडब्ल्यू केडीकोर

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

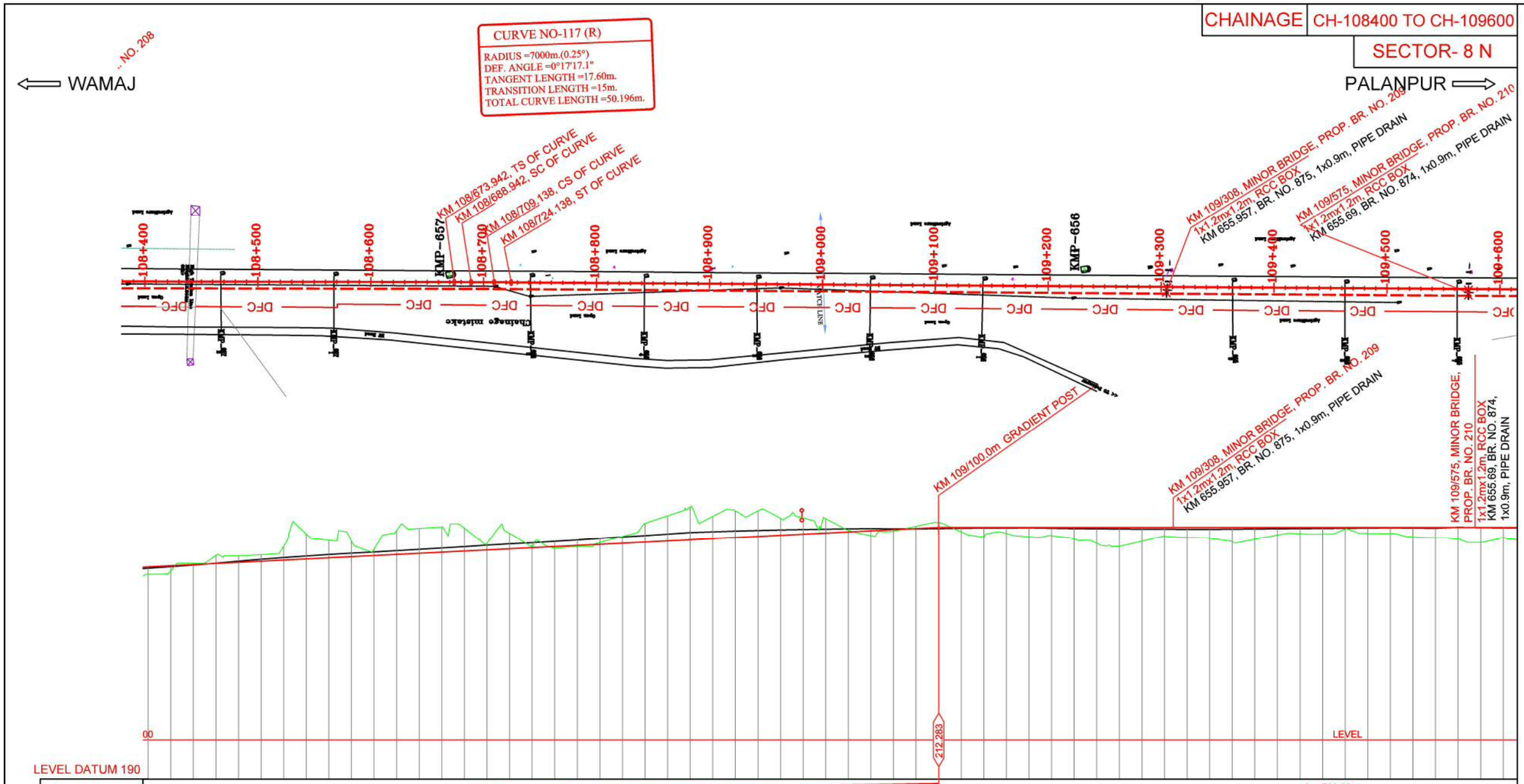
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 107.200 to Km 108.400)

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-108400 TO CH-109600
SECTOR- 8 N	

V-2-5-263



LEVEL DATUM 190

Vertical Alignment: L = 700.00 m, G= 0.000%

Horizontal Alignment: L=1065.828m; R=7000, L=15.0m, L=50.196, L=15.0m; L=3378.92m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
108400.0	-11.340	0.680	208.783	208.640	208.103
108420.0	-11.201	0.451	208.883	208.782	208.432
108440.0	-11.109	-0.098	208.983	208.934	209.081
108460.0	-11.034	-0.707	209.083	209.091	209.790
108480.0	-10.960	-0.556	209.183	209.264	209.739
108500.0	-10.886	-0.566	209.283	209.437	209.849
108520.0	-10.804	-1.229	209.383	209.590	210.612
108540.0	-10.706	-2.190	209.483	209.732	211.673
108560.0	-10.600	-1.551	209.583	209.870	211.134
108580.0	-10.499	-1.392	209.683	209.977	211.075
108600.0	-10.401	-0.571	209.783	210.083	210.354
108620.0	-10.304	-2.131	209.883	210.200	212.014
108640.0	-10.208	-2.193	209.983	210.323	212.176
108660.0	-10.116	-2.220	210.083	210.445	212.303
108680.0	-10.034	-2.018	210.183	210.567	212.201
108700.0	-9.982	-0.602	210.283	210.688	210.885
108720.0	-9.977	-1.353	210.383	210.806	211.736
108740.0	-9.983	-0.047	210.483	210.922	210.530
108760.0	-9.979	0.142	210.583	211.037	210.441
108780.0	-9.970	0.130	210.683	211.152	210.553
108800.0	-9.963	-0.165	210.783	211.283	210.948
108820.0	-9.962	-0.583	210.883	211.416	211.466
108840.0	-9.961	-1.636	210.983	211.549	212.619
108860.0	-9.960	-2.223	211.083	211.681	213.306
108880.0	-9.959	-2.907	211.183	211.805	214.090
108900.0	-9.950	-1.975	211.283	211.882	213.258
108920.0	-9.932	-2.358	211.383	211.949	213.741
108940.0	-9.914	-2.253	211.483	212.002	213.735
108960.0	-9.896	-1.483	211.583	212.042	213.066
108980.0	-9.882	-1.427	211.683	212.081	213.110
109000.0	-9.899	-1.261	211.783	212.117	213.044
109020.0	-9.956	-0.137	211.883	212.152	212.020
109040.0	-10.003	0.446	211.983	212.168	211.537
109060.0	-9.996	0.154	212.083	212.158	211.929
109080.0	-9.960	-0.180	212.183	212.149	212.363
109100.0	-9.928	-0.403	212.283	212.166	212.686
109120.0	-9.903	0.421	212.283	212.195	211.862
109140.0	-9.881	0.859	212.283	212.214	211.424
109160.0	-9.866	0.564	212.283	212.223	211.719
109180.0	-9.857	0.850	212.283	212.228	211.433
109200.0	-9.852	0.753	212.283	212.200	211.530
109220.0	-9.854	1.058	212.283	212.172	211.225
109240.0	-9.857	1.424	212.283	212.150	210.859
109260.0	-9.860	1.688	212.283	212.136	210.595
109280.0	-9.863	1.230	212.283	212.123	211.053
109300.0	-9.866	0.799	212.283	212.109	211.484
109320.0	-9.868	0.908	212.283	212.107	211.375
109340.0	-9.867	0.992	212.283	212.106	211.291
109360.0	-9.866	1.274	212.283	212.114	211.009
109380.0	-9.868	1.072	212.283	212.135	211.211
109400.0	-9.869	0.698	212.283	212.155	211.585
109420.0	-9.871	0.579	212.283	212.171	211.704
109440.0	-9.871	0.607	212.283	212.187	211.676
109460.0	-9.871	0.160	212.283	212.202	212.123
109480.0	-9.867	0.536	212.283	212.214	211.747
109500.0	-9.863	0.571	212.283	212.227	211.712
109520.0	-9.888	0.864	212.283	212.216	211.419
109540.0	-9.986	0.941	212.283	212.203	211.342
109560.0	-9.972	1.053	212.283	212.281	211.230
109580.0	-9.898	1.332	212.283	212.244	210.951
109600.0	-9.941	0.925	212.283	212.230	211.305

LEGEND

- Proposed ROW
- Land Boundary
- Electric Line
- Telephone Line
- Boundary Wall
- Fencing
- High Tension Line
- Existing Rail Track
- Proposed DFC
- Cart Track
- BT Road
- PC=Point of Curvature
- 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.
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DETAILED PROJECT REPORT

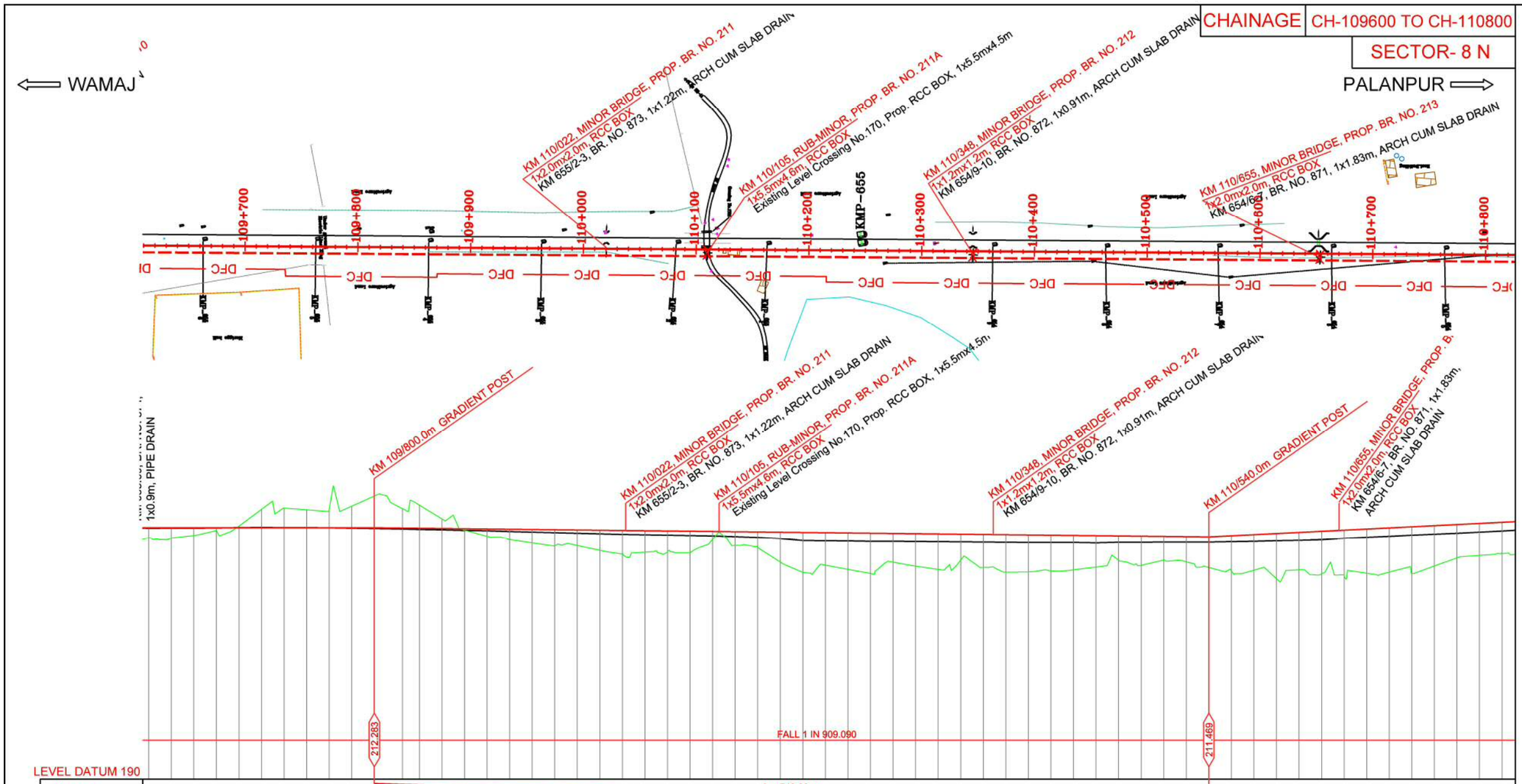
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 108.400 to Km 109.600)

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-109600 TO CH-110800

SECTOR- 8 N



Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
109600.0	-9.941	0.925	212.283	212.230	211.358
109620.0	-9.957	0.960	212.283	212.238	211.323
109640.0	-9.938	0.715	212.283	212.246	211.568
109660.0	-9.920	0.266	212.283	212.264	212.017
109680.0	-9.929	-0.143	212.283	212.296	212.426
109700.0	-9.948	-1.624	212.283	212.297	213.907
109720.0	-9.969	-1.728	212.283	212.298	214.011
109740.0	-9.991	-1.574	212.283	212.299	213.857
109760.0	-10.010	-1.642	212.283	212.280	213.925
109780.0	-10.017	-1.905	212.283	212.243	214.188
109800.0	-10.015	-2.806	212.283	212.206	215.089
109820.0	-10.006	-1.957	212.261	212.170	214.218
109840.0	-9.993	-2.034	212.239	212.125	214.273
109860.0	-9.975	-0.830	212.217	212.082	213.047
109880.0	-9.961	0.149	212.195	212.040	212.046
109900.0	-9.949	0.659	212.173	211.997	211.514
109920.0	-9.937	0.944	212.151	211.941	211.207
109940.0	-9.925	1.212	212.129	211.883	210.917
109960.0	-9.911	1.462	212.107	211.828	210.645
109980.0	-9.894	1.402	212.085	211.776	210.683
110000.0	-9.875	1.810	212.063	211.723	210.253
110020.0	-9.860	2.049	212.041	211.678	209.992
110040.0	-9.854	1.922	212.019	211.644	210.097
110060.0	-9.855	1.853	211.997	211.609	210.144
110080.0	-9.860	1.935	211.975	211.574	210.040
110100.0	-9.869	0.716	211.953	211.540	211.237
110120.0	-9.881	1.250	211.931	211.482	210.681
110140.0	-9.892	1.381	211.909	211.417	210.528
110160.0	-9.911	2.684	211.887	211.292	209.203
110180.0	-9.947	3.563	211.865	211.129	208.302
110200.0	-9.970	2.911	211.843	211.105	208.932
110220.0	-9.974	3.253	211.821	211.080	208.568
110240.0	-9.976	3.596	211.799	211.060	208.203
110260.0	-9.993	2.569	211.777	211.047	209.208
110280.0	-10.017	2.898	211.755	211.034	208.857
110300.0	-10.033	3.167	211.733	211.021	208.566
110320.0	-10.021	2.309	211.711	211.007	209.402
110340.0	-9.978	2.962	211.689	210.992	208.727
110360.0	-9.940	3.360	211.667	210.977	208.307
110380.0	-9.931	3.301	211.645	210.961	208.344
110400.0	-9.935	3.187	211.623	210.947	208.436
110420.0	-9.935	3.076	211.601	210.953	208.525
110440.0	-9.931	2.807	211.579	210.951	208.772
110460.0	-9.932	2.182	211.557	210.967	209.375
110480.0	-9.945	2.612	211.535	210.976	208.923
110500.0	-9.963	2.136	211.513	210.986	209.377
110520.0	-9.975	2.258	211.491	210.988	209.233
110540.0	-9.980	2.732	211.469	210.990	208.737
110560.0	-9.984	3.159	211.569	211.015	208.410
110580.0	-9.992	3.177	211.669	211.060	208.492
110600.0	-9.999	4.035	211.769	211.105	207.734
110620.0	-10.004	3.343	211.869	211.143	208.526
110640.0	-10.011	3.801	211.969	211.194	208.168
110660.0	-10.012	4.059	212.069	211.326	208.010
110680.0	-10.052	3.944	212.169	211.420	208.225
110700.0	-10.035	3.939	212.269	211.514	208.330
110720.0	-10.016	4.174	212.369	211.605	208.195
110740.0	-9.999	3.607	212.469	211.695	208.862
110760.0	-9.981	2.988	212.569	211.787	209.581
110780.0	-9.969	2.862	212.669	211.881	209.807
110800.0	-9.959	2.804	212.769	211.980	209.965

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

सर्टिफिकेट ऑफ कॉर्पोरेशन

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

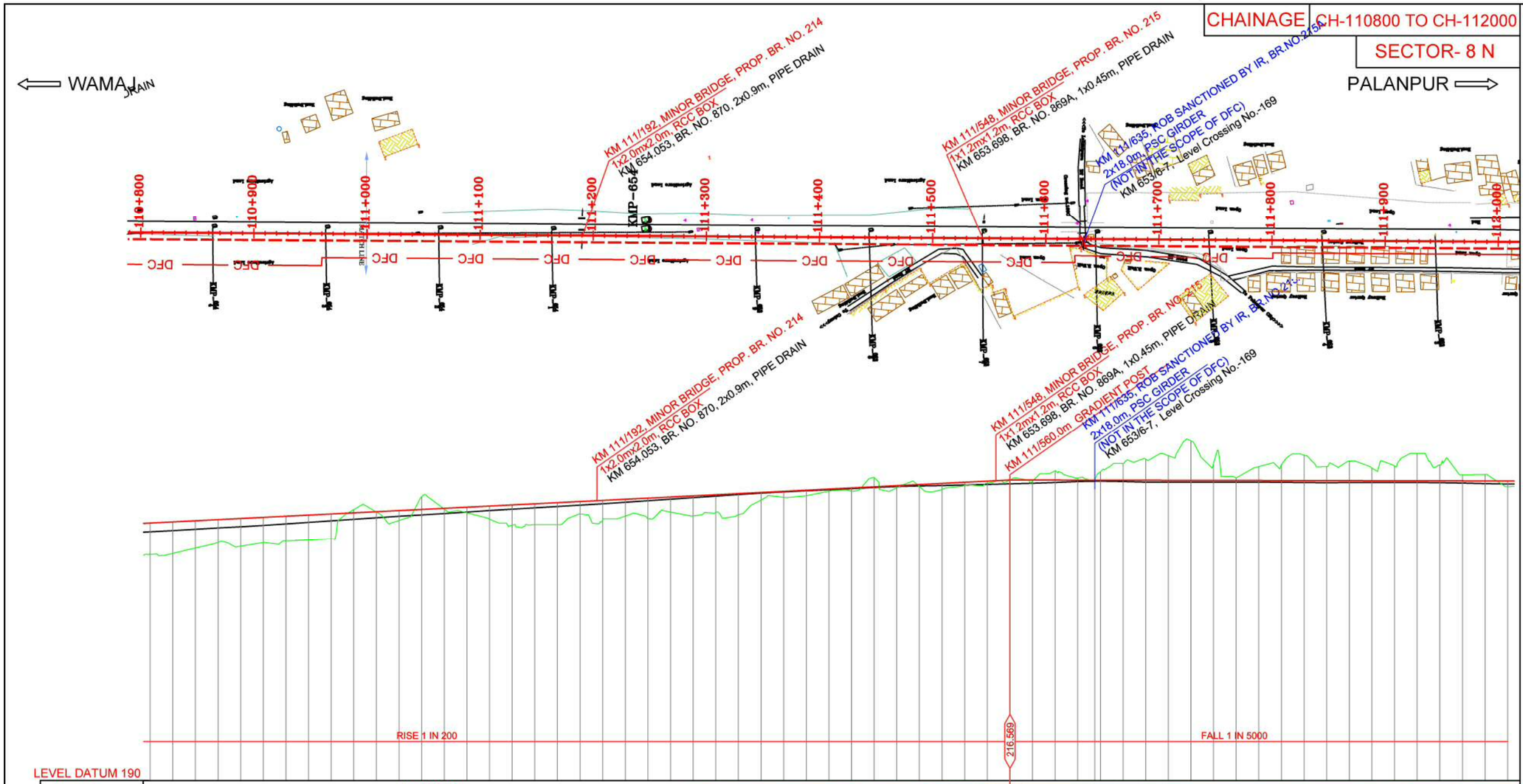
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 109.600 to Km 110.800)

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-110800 TO CH-112000

SECTOR- 8 N



LEVEL DATUM 190

Vertical Alignment: L = 1020.00 m, G= 0.500%

Horizontal Alignment: L=3378.92m

Chainage	Ground levels	Existing Formation Levels	Proposed Formation Levels	Cut/Fill	Distance between Existing Track & Proposed Track
110800.0	209.965	211.980	212.769	2.804	-9.959
110820.0	210.057	212.093	212.869	2.812	-9.950
110840.0	210.528	212.205	212.969	2.441	-9.940
110860.0	211.041	212.319	213.069	2.028	-9.931
110880.0	210.693	212.434	213.169	2.476	-9.921
110900.0	211.015	212.549	213.269	2.254	-9.911
110920.0	211.163	212.683	213.369	2.206	-9.903
110940.0	211.241	212.822	213.469	2.228	-9.897
110960.0	211.319	212.959	213.569	2.250	-9.895
110980.0	213.951	213.094	213.669	-0.282	-9.902
111000.0	213.738	213.229	213.769	0.031	-9.914
111020.0	212.993	213.353	213.869	0.876	-9.922
111040.0	215.104	213.477	213.969	-1.135	-9.927
111060.0	213.979	213.603	214.069	0.090	-9.929
111080.0	213.656	213.734	214.169	0.513	-9.927
111100.0	213.107	213.865	214.269	1.162	-9.922
111120.0	212.578	213.983	214.369	1.791	-9.926
111140.0	212.619	214.101	214.469	1.850	-9.946
111160.0	212.621	214.219	214.569	1.948	-9.960
111180.0	213.560	214.337	214.669	1.109	-9.953
111200.0	213.052	214.463	214.769	1.717	-9.944
111220.0	213.383	214.595	214.869	1.486	-9.951
111240.0	213.110	214.729	214.969	1.859	-9.963
111260.0	213.733	214.865	215.069	1.336	-9.975
111280.0	213.400	215.002	215.169	1.769	-9.988
111300.0	213.691	215.140	215.269	1.578	-9.995
111320.0	213.482	215.278	215.369	1.887	-10.000
111340.0	214.797	215.405	215.469	0.672	-10.010
111360.0	215.030	215.507	215.569	0.539	-10.039
111380.0	215.178	215.606	215.669	0.491	-10.086
111400.0	215.577	215.706	215.769	0.192	-10.139
111420.0	215.576	215.806	215.869	0.293	-10.188
111440.0	216.757	215.906	215.969	-0.788	-10.221
111460.0	215.875	215.984	216.069	0.194	-10.232
111480.0	215.983	216.026	216.169	0.186	-10.233
111500.0	215.731	216.074	216.269	0.538	-10.235
111520.0	216.077	216.122	216.369	0.292	-10.236
111540.0	216.258	216.172	216.469	0.211	-10.238
111560.0	216.554	216.223	216.569	0.015	-10.242
111580.0	216.464	216.274	216.565	0.101	-10.248
111600.0	217.366	216.344	216.561	-0.805	-10.254
111620.0	216.737	216.421	216.557	-0.180	-10.253
111640.0	217.305	216.455	216.553	-0.752	-10.263
111660.0	218.036	216.417	216.549	-1.487	-10.306
111680.0	218.392	216.380	216.545	-1.847	-10.368
111700.0	218.709	216.375	216.541	-2.168	-10.412
111720.0	220.013	216.377	216.537	-3.476	-10.429
111740.0	218.051	216.378	216.533	-1.518	-10.442
111760.0	216.747	216.374	216.529	-0.218	-10.466
111780.0	217.736	216.369	216.525	-1.211	-10.491
111800.0	217.928	216.352	216.521	-1.407	-10.507
111820.0	218.750	216.334	216.517	-2.233	-10.515
111840.0	217.743	216.326	216.513	-1.230	-10.525
111860.0	218.224	216.335	216.509	-1.715	-10.547
111880.0	217.614	216.344	216.505	-1.109	-10.575
111900.0	217.790	216.345	216.501	-1.289	-10.608
111920.0	218.910	216.344	216.497	-2.413	-10.648
111940.0	217.875	216.328	216.493	-1.382	-10.687
111960.0	217.021	216.285	216.489	-0.532	-10.733
111980.0	217.042	216.242	216.485	-0.557	-10.773
112000.0	216.971	216.211	216.481	0.510	-10.721

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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Web:www.rodicconsultants.com

DETAILED PROJECT REPORT

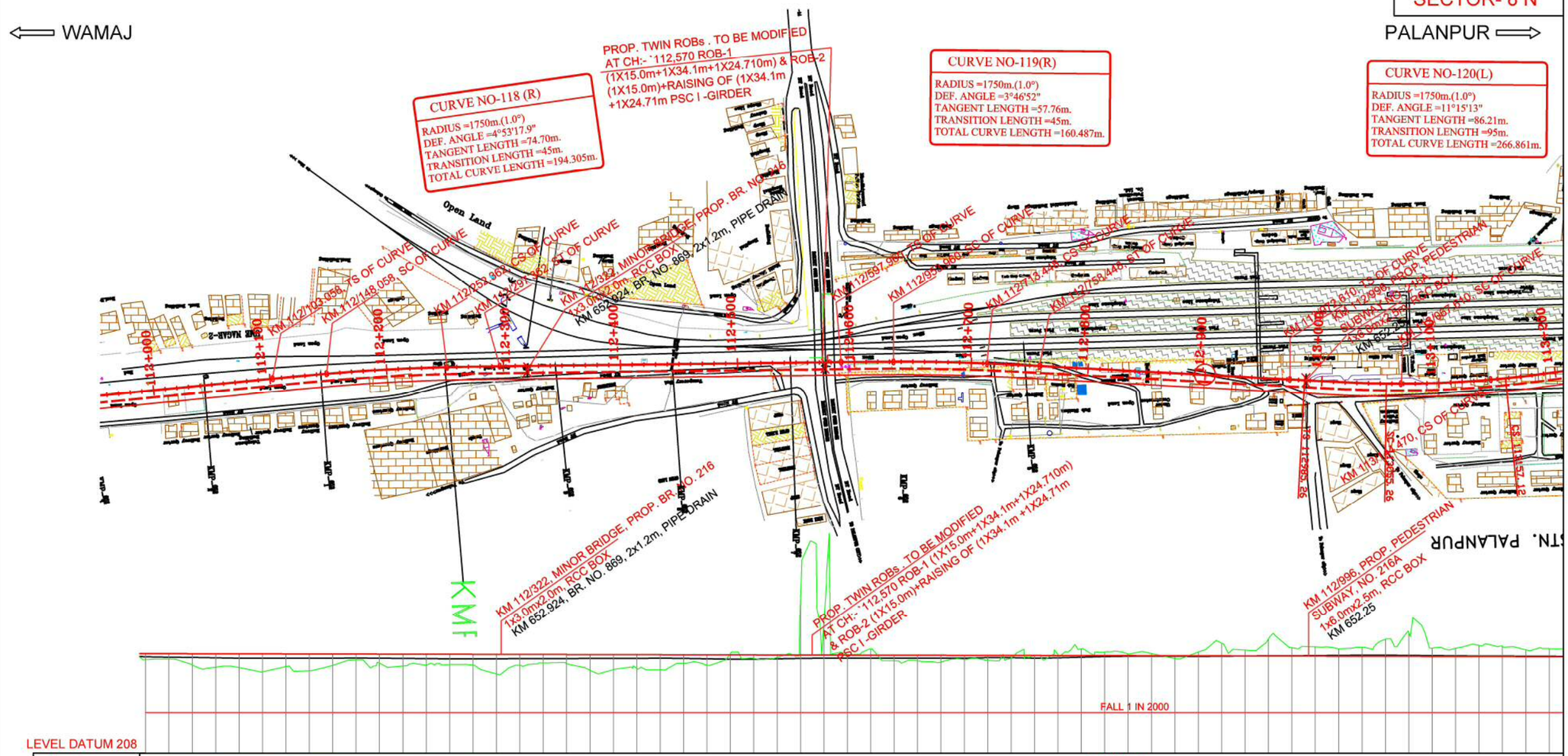
WAMAJ TO MEHSANA-PALANPUR
FROM KM 0+000 TO KM. 116+370

PLAN & PROFILE
(Km 110.800 to Km 112.000)

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-112000 TO CH-113200
SECTOR- 8 N	

V-2-5-266



LEVEL DATUM 208

Vertical Alignment	L = 2540.00 m G= -0.020%
Horizontal Alignment	L=45 m; R=1750 m L=194.305m; L=45 m; L=300.599m; L=45 m; R=1750 L=160.487m; L=45 m; L=214.161m; L=95 m; R=875 L=266.861m; L=95 m

Chainage	Distance between Existing Track & Proposed Track	Cut/Fill	Proposed Formation Levels	Existing Formation Levels	Ground levels
112000.0	-10.721	0.510	216.481	216.211	215.971
112020.0	-10.580	0.470	216.477	216.182	216.007
112040.0	-10.359	0.969	216.473	216.154	215.514
112060.0	-10.048	1.136	216.469	216.125	215.333
112080.0	-9.640	1.172	216.465	216.096	215.293
112100.0	-9.125	1.528	216.461	216.087	214.933
112120.0	-8.539	1.079	216.457	216.090	215.378
112140.0	-7.954	1.423	216.453	216.093	215.030
112160.0	-7.444	0.960	216.449	216.098	215.489
112180.0	-7.051	0.496	216.445	216.103	215.949
112200.0	-6.760	0.782	216.441	216.086	215.659
112220.0	-6.566	1.004	216.437	216.067	215.433
112240.0	-6.505	0.936	216.433	216.053	215.497
112260.0	-6.567	0.879	216.429	216.042	215.550
112280.0	-6.795	0.934	216.425	216.042	215.491
112300.0	-7.217	1.674	216.421	216.045	214.747
112320.0	-7.416	0.934	216.417	216.052	215.483
112340.0	-7.845	0.726	216.413	216.059	215.687
112360.0	-8.237	0.806	216.409	216.064	215.603
112380.0	-8.620	1.340	216.405	216.070	215.065
112400.0	-9.004	1.273	216.401	216.076	215.128
112420.0	-9.388	1.172	216.397	216.081	215.225
112440.0	-9.771	1.305	216.393	216.087	215.088
112460.0	-10.170	0.734	216.389	216.081	215.655
112480.0	-10.544	0.881	216.385	216.047	215.504
112500.0	-10.840	-0.105	216.381	216.013	216.486
112520.0	-11.004	0.311	216.377	216.007	216.066
112540.0	-11.075	0.213	216.373	216.037	216.160
112560.0	-11.300	-5.140	216.369	216.069	221.509
112580.0	-11.300	-2.994	216.365	216.091	219.359
112600.0	-11.267	0.022	216.361	216.096	216.339
112620.0	-10.542	-0.511	216.357	216.097	216.868
112640.0	-9.247	0.490	216.353	216.090	215.863
112660.0	-7.910	0.476	216.349	216.086	215.873
112680.0	-7.307	0.584	216.345	216.092	215.761
112700.0	-7.647	0.349	216.341	216.098	215.992
112720.0	-8.656	0.411	216.337	216.136	215.926
112740.0	-9.891	0.214	216.333	216.146	216.119
112760.0	-10.908	0.038	216.329	216.086	216.291
112780.0	-11.933	-0.082	216.325	216.122	216.407
112800.0	-13.073	-0.563	216.321	216.172	216.884
112820.0	-14.239	-0.296	216.317	216.223	216.613
112840.0	-15.302	-0.138	216.313	216.256	216.451
112860.0	-16.167	-0.177	216.309	216.255	216.486
112880.0	-16.814	0.246	216.305	216.253	216.059
112900.0	-17.234	-0.312	216.301	216.251	216.613
112920.0	-17.443	-1.070	216.297	216.258	217.367
112940.0	-17.503	-0.485	216.293	216.273	216.778
112960.0	-17.496	-1.436	216.289	216.287	217.725
112980.0	-17.484	-0.699	216.285	216.302	216.984
113000.0	-17.482	-0.769	216.281	216.315	217.050
113020.0	-17.493	-0.611	216.277	216.329	216.888
113040.0	-17.506	-0.737	216.273	216.341	217.010
113060.0	-17.509	-1.433	216.269	216.341	217.702
113080.0	-17.501	-1.963	216.265	216.327	218.228
113100.0	-17.486	-0.676	216.261	216.311	216.937
113120.0	-17.471	-0.676	216.257	216.295	216.933
113140.0	-17.462	-0.925	216.253	216.280	217.178
113160.0	-17.463	-0.854	216.249	216.271	217.103
113180.0	-17.473	-0.562	216.246	216.262	216.808
113200.0	-17.470	-0.662	216.241	216.253	216.895

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 112.000 to Km 113.200)

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