

Road 1											
Chainage (m)	Easting (m)	Northing (m)	Level (m)	Curve/Straight	Left Channel Easting (m)	Left Channel Northing (m)	Left Channel Level (m)	Right Channel Easting (m)	Right Channel Northing (m)	Right Channel Level (m)	
0.000	303256.158	375296.107	9.739	Start	303252.323	375298.657	9.796	303260.363	375293.313	9.676	
5.000	303258.926	375300.271	9.734	Straight	303256.927	375301.600	9.674	303260.943	375298.943	9.794	
10.000	303260.435	375303.436	9.730	Straight	303260.435	375303.436	9.730	303261.007	375303.436	9.730	
12.257	303262.943	375306.315	9.728	Tangent Point	303260.931	375307.625	9.688	303264.954	375305.006	9.788	
15.000	303264.130	375308.778	9.726	Curve Radius 10.0	303261.846	375309.513	9.666	303266.043	375308.043	9.786	
19.855	303264.464	375313.574	9.872	Curve Radius 10.0	375313.574	303262.100	9.872	303266.629	375313.968	9.832	
20.000	303264.639	375313.717	9.884	Straight	375313.717	303262.100	9.884	303266.814	375314.130	9.941	
24.232	303263.710	375317.885	10.216	Tangent Point	303261.343	375317.486	10.168	303266.077	375318.284	10.285	
25.000	303263.587	375318.643	10.310	Curve Radius 30.8	303261.211	375318.302	10.252	303265.963	375318.984	10.369	
30.000	303263.232	375323.627	10.877	Curve	303260.852	375323.663	10.819	303265.587	375323.587	11.036	
35.000	303262.587	375327.102	11.875	Curve	303260.852	375327.102	11.875	303265.587	375327.102	11.875	
40.000	303264.999	375333.428	12.372	Curve	303262.732	375332.639	12.311	303267.265	375332.639	12.433	
45.000	303267.035	375337.989	13.069	Curve	303264.936	375339.153	13.011	303269.134	375336.825	13.127	
50.000	303269.781	375342.181	13.766	Curve	303267.893	375340.678	13.707	303271.689	375340.678	13.825	
55.000	303273.166	375345.834	14.463	Curve	303271.537	375347.596	14.401	303274.794	375344.071	14.524	
60.000	303277.099	375348.911	15.160	Curve	303275.770	375350.910	15.099	303278.428	375346.913	15.222	
65.000	303281.479	375351.313	15.858	Curve	303280.510	375353.509	15.799	303282.447	375349.116	15.916	
70.000	303286.188	375352.975	16.555	Curve	303285.391	375355.298	16.495	303288.796	375350.653	16.614	
74.950	303291.055	375353.849	17.245	Tangent Point	303290.822	375356.237	17.185	303291.288	375351.460	17.305	
75.000	303291.105	375353.853	17.252	Straight	303291.872	375356.242	17.192	303291.338	375299.580	17.312	
80.000	303296.081	375354.338	17.849	Straight	303296.081	375356.728	17.889	303296.315	375351.951	18.009	
85.000	303301.058	375354.823	18.446	Straight	303301.058	375354.823	18.446	303301.058	375354.823	18.446	
90.000	303306.034	375355.312	19.043	Straight	303306.034	375355.312	19.043	303306.034	375355.312	19.043	
95.000	303311.010	375355.798	19.640	Straight	303311.010	375355.798	19.640	303311.010	375355.798	19.640	
100.000	303316.987	375356.284	20.238	Straight	303316.987	375356.284	20.238	303316.987	375356.284	20.238	
103.794	303319.773	375356.652	21.287	Tangent Point	303319.513	375359.036	21.205	303320.015	375354.265	21.329	
105.000	303320.959	375356.806	21.435	Curve Radius 20.0	303320.575	375359.175	21.374	303321.342	375354.437	21.496	
110.000	303325.748	375358.197	22.132	Curve	303324.786	375360.396	22.070	303326.710	375355.986	22.194	
115.000	303330.729	375359.588	22.830	Curve	303330.049	375361.596	22.768	303332.641	375357.387	22.892	
120.000	303333.580	375364.246	23.527	Curve	303331.696	375365.733	23.469	303335.463	375362.758	23.585	
120.844	303334.085	375364.922	23.644	Tangent Point	303332.133	375366.318	23.584	303336.037	375363.526	23.704	
122.978	303335.321	375366.658	24.942	Tangent Point	303333.386	375368.069	23.884	303337.268	375365.246	23.999	
125.000	303336.218	375367.218	25.192	Curve Radius 15.0	303336.218	375367.218	25.192	303336.218	375367.218	25.192	
130.000	303340.577	375371.224	25.890	Curve	303339.452	375369.103	24.833	303341.702	375366.705	24.957	
135.000	303345.309	375372.766	26.587	Curve	303344.967	375373.141	25.331	303345.651	375370.390	25.449	
140.000	303350.041	375374.308	27.285	Curve	303350.041	375374.308	27.285	303350.041	375374.308	27.285	
142.235	303352.404	375375.102	27.716	Tangent Point	303352.404	375375.102	27.716	303352.404	375375.102	27.716	
145.000	303355.055	375371.196	28.887	Straight	303355.055	375373.463	25.827	303354.269	375368.929	25.947	
150.000	303359.779	375369.557	26.081	Straight	303360.566	375371.825	26.020	303359.993	375367.290	26.140	
155.000	303364.503	375367.918	26.779	Straight	303364.503	375367.918	26.779	303364.503	375367.918	26.779	
157.786	303367.135	375367.005	26.262	Tangent Point	303367.905	375369.278	26.203	303368.364	375364.732	26.323	
160.000	303369.263	375366.397	26.293	Curve Radius 20.0	303368.718	375368.734	26.232	303368.718	375368.734	26.232	
165.000	303374.226	375365.908	26.363	Curve	303374.170	375368.307	26.303	303374.226	375363.508	26.423	
168.404	303376.598	375365.419	26.404	Tangent Point	303376.598	375365.419	26.404	303376.598	375365.419	26.404	
170.000	303379.157	375366.653	26.433	Straight	303378.570	375368.980	26.373	303379.744	375363.326	26.493	
175.000	303384.006	375367.876	26.502	Straight	303383.419	375370.203	26.442	303384.006	375365.549	26.562	
180.000	303386.854	375369.098	26.572	Straight	303386.854	375369.098	26.572	303386.854	375369.098	26.572	
180.468	303389.213	375369.468	26.578	Tangent Point	303389.213	375369.468	26.578	303389.213	375369.468	26.578	
185.000	303393.630	375370.568	26.642	Curve Radius 40.0	303392.793	375372.817	26.582	303394.467	375368.319	26.701	
190.000	303398.186	375372.619	26.711	Curve	303397.072	375374.744	26.651	303399.301	375370.493	26.771	
195.000	303403.452	375374.652	26.781	Curve	303403.452	375374.652	26.781	303403.452	375374.652	26.781	
200.000	303406.359	375378.336	26.860	Tangent Point	303404.748	375380.115	26.790	303407.970	375376.557	26.911	
200.394	303406.650	375378.602	26.856	Curve	303405.023	375380.368	26.796	303408.278	375376.838	26.916	
205.000	303410.035	375381.725	26.920	Straight	303408.408	375383.489	26.860	303411.663	375379.961	26.980	
210.000	303415.116	375383.116	26.985	Straight	303412.612	375385.715	26.960	303415.116	375382.463	27.031	
215.000	303417.384	375384.207	27.059	Straight	303415.757	375386.502	26.989	303417.384	375383.743	27.119	
218.848	303420.213	375391.116	27.113	IP at Channel	303418.256	375393.236	27.032	303418.256	375393.236	27.032	
220.000	303421.174	375391.750	27.142	Straight	303418.163	375395.012	26.990	303419.012	375386.743	27.119	
221.248	303422.217	375392.436	27.173	End							

Road 2											
Chainage (m)	Easting (m)	Northing (m)	Level (m)	Curve/Straight	Left Channel Easting (m)	Left Channel Northing (m)	Left Channel Level (m)	Right Channel Easting (m)	Right Channel Northing (m)	Right Channel Level (m)	
0.000	303353.428	375371.760	25.818	Start							
2.400	303354.215	375374.028	25.758	IP at Channel	303349.703	375375.212	25.589	303357.973	375373.043	25.906	
5.000	303354.875	375376.943	25.728	Straight	303352.538	375377.156	25.667	303357.196	375375.934	25.788	
10.000	303356.143	375381.379	25.669	Straight	303353.821	375381.988	25.609	303358.464	375380.771	25.729	
15.000	303357.411	375386.216	25.611	Straight	303355.089	375386.825	25.551	303359.732	375385.607	25.671	
20.000	303358.679	375391.052	25.552	Straight	303356.358	375391.681	25.492	303361.001	375390.444	25.612	
25.000	303359.947	375395.889	25.494	Straight	303357.626	375396.498	25.434	303362.269	375395.280	25.544	
30.000	303361.216	375400.725	25.435	Straight	303358.894	375401.334	25.375	303363.537	375400.117	25.495	
35.000	303362.484	375405.562	25.377	Straight	303360.162	375406.162	25.317	303364.805	375404.953	25.437	
40.000	303363.752	375410.398	25.318	Straight	303361.431	375411.007	25.258	303366.074	375409.790	25.378	
45.000	303365.020	375415.235	25.260	Straight	303362.699	375415.844	25.200	303367.342	375414.626	25.320	
50.000	303366.288	375420.071	25.201	Straight	303363.967	375420.880	25.141	303368.610	375419.462	25.261	
55.000	303367.557	375424.908	25.143	Straight	303365.235	375425.875	25.083	303369.878	375418.243	25.202	
60.000	303368.825	375429.744	25.084	Straight	303366.503	375430.353	25.024	303371.146	375429.135	25.144	
65.000	303370.093	375434.581	25.026	Straight	303367.772	375435.189	24.966	303373.157	375433.972	25.086	
68.044	303370.865	375437.525	24.990	Tangent Point	303368.548	375438.150	24.930	303373.183	375436.900	25.050	
70.000	303371.453	375439.390	24.967	Curve Radius 20.0	303369.196	375440.207	24.907	303373.710	375438.573	25.027	
72.069	303372.270	375441.290	24.943	Tangent Point	303370.117	375442.351	24.883	303374.423	375440.230	25.003	
75.000	303373.585	375443.919	24.909	Straight	303371.412	375444.980	24.849	303375.116	375442.659	24.969	
80.000	303375.774	375448.405	24.850	Straight	303373.621	375449.465	24.790	303377.927	375447.344	24.910	
85.000	303377.984	375452.890	24.792	Straight	303375.831	375453.951	24.732	303380.137	375451.830	24.852	
90.000	303380.193	375457.375	24.735	Straight	303378.040	375458.436	24.673	303382.346	375456.315	24.793	
95.000	303382.402	375461.861	24.675	Straight	303380.249	375462.921	24.615	303384.555	375460.800	24.735	
100.000	303384.612	375466.346	24.616	Straight	303382.459	375467.407	24.556	303386.765	375465.286	24.676	
105.000	303386.821	375470.832	24.558	Straight	303384.668	375471.892	24.498	303388.974	375469.771	24.617	
110.000	303389.031	375475.317	24.499	Straight	303386.878	375476.377	24.439	303391.184	375474.256	24.559	
115.000	303391.240	375479.802	24.441	Straight	303389.087	375480.863	24.381	303393.393	375478.742	24.501	
120.000	303393.448	375484.288	24.382	Straight	303391.296	375485.348	24.322	303395.602	375483.227	24.444	
125.000	303395.658	375488.773	24.324	Straight	303393.506	375489.834	24.263	303397.812	375487.710	24.384	
130.000	303397.868	375493.258	24.265	Straight	303395.716	375494.319	24.203	303400.020	375492.188	24.325	
135.000	303400.078	375497.744	24.207	Straight	303397.925	375498.804	24.144	303402.231	375496.683	24.267	
140.000	303402.287	375502.229	24.148	Straight	303400.134	375503.290	24.088	303404.440	375501.169	24.208	
145.000	303404.496	375506.714	24.090	Straight	303402.343	375507.775	24.030	303406.649	375505.660	24.150	
150.000	303406.706	375511.200	24.031	Straight	303404.553	375512.260	23.971	303408.858	375510.139	24.091	
155.000	303408.915	375515.685	23.973	Straight	303406.762	375516.746	23.913	303411.068	375514.625	24.033	
160.000	303411.125	375520.171	23.914	Straight	303408.972	375521.231	23.854	303413.278	375519.110	23.974	
165.000	303413.334	375524.656	23.856	Straight	303411.041	375523.785	23.796	303415.627	375523.526	23.927	
169.189	303415.188	375529.423	23.807	IP at Channel	303408.189	375531.880	23.415	303422.210	375524.984	24.198	
170.000	303415.543	375529.141	23.787	Straight							
171.599	303416.250	375530.576	23.747	End							