

Road 1										
Chainage (m)	Easting (m)	Northing (m)	Height (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	300204.809	512525.417	88.085	Straight	300202.671	512518.075	87.807			
3.000	300199.209	512525.214	88.213	Curve Radius 34.948	300198.438	512522.539	88.273	300200.801	512529.540	88.150
10.000	300195.207	512525.217	88.335	Tangent Point	300194.438	512525.239	88.404	300197.875	512530.255	88.289
12.852	300194.465	512525.217	88.381	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
15.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
20.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
25.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
30.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
35.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
40.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
45.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
50.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
55.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
60.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
65.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
70.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
75.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
80.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
85.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
90.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
95.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
100.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
105.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
110.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
115.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
120.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
125.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
130.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
135.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
140.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
145.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
150.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
155.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
160.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
165.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
170.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
175.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
180.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
185.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
190.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
195.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
200.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
205.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
210.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
215.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
220.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
225.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
230.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
235.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
240.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
245.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
250.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
255.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
260.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
265.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
270.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
275.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
280.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
285.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
290.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
295.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
300.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
305.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
310.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
315.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
320.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
325.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
330.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
335.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
340.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
345.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
350.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
355.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
360.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
365.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
370.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
375.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
380.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
385.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
390.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438	512525.239	88.404	300197.875	512530.255	88.289
395.000	300194.465	512525.217	88.404	Curve Radius 34.948	300194.438					

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	300115.630	515298.590	93.210	Start						
2.750	300115.169	515298.679	93.279	1st Ch Channel	300119.842	515294.018	93.013			
5.000	300114.337	515293.768	93.244	Straight	300117.381	515282.576	93.097			
10.000	300114.247	515279.144	93.065	Straight	300115.842	515370.129	92.997	300109.723	515280.240	93.148
14.137	300110.957	515275.300	92.912	End	300113.512	515274.283	92.875	300108.402	515276.318	93.012

Road 3										
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	300023.306	1516450.920	95.470	Start						
2.750	300023.743	1516451.196	95.470	1st Channel Point	300022.656	1516459.336	95.333	300023.299	1516449.773	95.465
5.500	300023.743	1516451.196	95.470	2nd Channel Point	300022.656	1516459.336	95.333	300023.299	1516449.773	95.465
8.250	300023.697	1516453.310	95.429	Curve Radius 110.960	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
11.000	300023.111	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
13.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
16.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
19.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
22.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
24.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
27.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
30.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
33.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
35.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
38.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
41.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
44.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
46.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
49.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
52.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
55.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
57.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
60.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
63.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
66.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
68.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
71.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
74.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
77.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
79.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
82.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
85.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
88.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
90.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
93.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
96.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
99.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
101.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
104.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
107.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
110.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
112.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
115.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
118.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
121.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
123.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
126.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
129.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
132.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
134.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
137.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
140.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
143.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
145.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
148.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
151.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
154.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
156.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
159.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
162.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
165.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
167.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
170.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
173.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
176.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
178.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
181.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
184.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
187.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
189.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
192.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
195.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
198.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
200.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
203.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
206.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
209.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
211.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
214.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
217.250	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
220.000	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
222.750	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
225.500	300022.644	1516453.687	95.429	Curve	300026.100	1516458.194	95.500	300023.297	1516452.553	95.408
228.250	300022.644	1516453.687	95.429							

Road 4										
Change/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)
0.00	300003.367	515496.065	95.955	Start	300003.466	515496.069	95.953	300003.342	515496.067	95.956
0.00	300003.371	515496.071	95.957	Straight	300003.544	515491.590	95.957	300003.760	515491.596	95.977
0.00	300003.917	515496.079	95.959	Straight	300004.000	515491.590	95.959	300003.884	515491.596	95.977
13.00	300005.676	515471.693	96.012	Straight	300005.074	515471.697	96.032	300005.279	515471.706	96.032
20.00	300006.917	515471.693	96.030	Straight	300006.000	515471.697	96.030	300006.884	515471.706	96.032
23.20	300003.281	515463.472	96.245	Tangent Point	300004.690	515463.475	96.185	300003.663	515463.568	96.305
23.20	300003.471	515463.472	96.245	Curve Radius 15.000	300004.690	515463.475	96.185	300003.663	515463.568	96.305
23.20	300003.471	515463.472	96.245	Curve Radius 15.000	300003.324	515463.468	96.279	300003.573	515463.477	96.301
23.20	300003.471	515463.472	96.245	Curve Radius 15.000	300003.324	515463.468	96.279	300003.573	515463.477	96.301
30.00	300005.774	515427.419	96.012	Straight	300005.583	515423.394	96.341	300005.963	515427.423	96.444
30.00	300005.774	515427.419	96.012	Straight	300005.583	515423.394	96.341	300005.963	515427.423	96.444
45.00	300001.480	515443.595	96.517	Straight	300010.238	515444.503	96.466	300001.669	515443.600	96.509
45.00	300001.480	515443.595	96.517	Straight	300010.238	515444.503	96.466	300001.669	515443.600	96.509

Road 5										
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	3000012.734	515465.788	95.223	Start						
0.000	3000012.489	515465.831	95.220	Left Channel	300008.440	515472.004	95.953	3000918.308	515465.118	95.216
10.000	3000115.722	515469.362	95.189	Straight	3000017.711	514271.837	95.059	3000138.545	515468.545	95.077
10.000	3000115.722	515469.362	95.189	Straight	3000017.711	514271.837	95.059	3000138.545	515468.545	95.077
14.420	3000018.767	515474.276	95.030	Tangent Point	3000018.774	514255.614	94.970	3000020.769	515472.308	95.090
20.000	3000212.002	515475.137	94.986	Curve Radius 80.211	3000018.774	514255.614	94.970	3000020.769	515472.308	95.090
20.000	3000212.002	515475.137	94.986	Curve Radius 80.211	3000018.774	514255.614	94.970	3000020.769	515472.308	95.090
30.000	3000263.683	515482.504	94.875	Curve	3000022.552	514685.610	94.815	3000028.013	515481.382	94.825
30.000	3000263.683	515482.504	94.875	Curve	3000022.552	514685.610	94.815	3000028.013	515481.382	94.825
40.000	3000269.549	515491.851	94.713	Curve	3000028.438	514942.487	94.653	3000038.959	515490.815	94.733
40.000	3000269.549	515491.851	94.713	Curve	3000028.438	514942.487	94.653	3000038.959	515490.815	94.733
50.000	3000332.547	515501.227	94.511	Tangent Point	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
50.000	3000332.547	515501.227	94.511	Tangent Point	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
60.000	3000332.547	515501.227	94.511	Straight	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
60.000	3000332.547	515501.227	94.511	Straight	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
70.000	3000332.547	515501.227	94.511	Curve Radius 51.471	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
70.000	3000332.547	515501.227	94.511	Curve Radius 51.471	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
80.000	3000332.547	515501.227	94.511	Tangent Point	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
80.000	3000332.547	515501.227	94.511	Tangent Point	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
90.000	3000332.547	515501.227	94.511	Curve Radius 18.949	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
90.000	3000332.547	515501.227	94.511	Curve Radius 18.949	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
100.000	3000332.547	515501.227	94.511	Curve	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
100.000	3000332.547	515501.227	94.511	Curve	3000032.547	515001.227	94.450	3000042.882	515500.674	94.511
127.847	3000389.849	515532.425	94.016	End Point	3000038.843	515532.430	94.016	3000038.875	515529.861	94.017

Road 6										
Chainage (m)	Eastwing (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	300030.575	151550.349	94.549	Start						
2.000	300032.914	151550.811	94.609	Start						
5.000	300035.501	151551.447	94.720	Straight						
10.000	300040.475	151550.041	94.633	Straight						
15.000	300045.449	151549.155	95.136	Straight						
18.754	300045.084	151549.155	95.307	End						
					300035.945	151550.041	94.706	300032.421	151549.968	94.686
					300040.763	151550.277	95.002	300040.195	151497.305	94.864
					300045.189	151550.207	95.308	300045.177	151496.798	95.078
								300046.178	151549.103	95.305

[illegible]

Road 8										
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	200966.023	515555.990	91.106	Start	200966.444	515554.056	91.155	200966.590	515557.032	91.046
3.071	200966.365	515560.977	91.106	Tangent Point	200966.353	515554.028	91.159	200966.230	515556.982	91.048
5.000	200966.365	515560.977	91.106	Curve Radius 154.052	200966.353	515554.028	91.159	200966.230	515556.982	91.048
10.000	200965.162	515548.819	91.230	Curve	200967.701	515547.577	91.280	200965.623	515551.961	91.190
15.000	200964.164	515540.164	91.043	Curve	200968.701	515538.151	91.288	200964.623	515543.961	91.190
20.000	200948.719	515543.143	91.043	Curve	200960.374	515541.405	91.165	200947.064	515544.881	91.045
25.000	200948.719	515543.143	91.043	Curve	200960.374	515541.405	91.165	200947.064	515544.881	91.045
30.000	200948.719	515543.143	91.043	Curve	200960.374	515541.405	91.165	200947.064	515544.881	91.045
35.000	200948.719	515543.143	91.043	Curve	200960.374	515541.405	91.165	200947.064	515544.881	91.045
38.845	200962.305	515529.336	90.864	Tangent Point	200961.571	515529.445	90.914	200961.571	515529.445	90.914
40.000	200962.305	515529.336	90.864	Tangent Point	200961.571	515529.445	90.914	200961.571	515529.445	90.914
45.000	200962.305	515529.336	90.864	Curve Radius 226.743	200961.186	515527.845	90.907	200962.428	515530.028	90.787
50.000	200962.305	515529.336	90.864	Curve	200961.186	515527.845	90.907	200962.428	515530.028	90.787
55.000	200962.305	515529.336	90.864	Curve	200961.186	515527.845	90.907	200962.428	515530.028	90.787
60.000	200962.305	515529.336	90.864	Curve	200961.186	515527.845	90.907	200962.428	515530.028	90.787
65.111	200962.343	515517.926	90.864	Tangent Point	200962.470	515523.019	90.896	200962.343	515517.912	90.746
70.000	200962.343	515517.926	90.864	End	200962.470	515523.019	90.896	200962.343	515517.912	90.746

Road 9										
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	2999939.112	1154503.449	94.004	Start	2999945.365	1154495.663	94.161	2999934.064	1154545.207	93.982
5.000	2999940.188	1154471.618	94.004	Left Channel	2999945.365	1154495.663	94.176	2999937.751	1154464.241	94.020
10.000	2999941.012	1154465.524	94.115	Straight	2999945.365	1154495.663	94.173	2999937.751	1154464.241	94.020
15.000	2999942.843	1154462.943	94.201	Straight	2999945.365	1154495.663	94.169	2999942.441	1154535.340	94.240
20.000	2999944.674	1154436.219	94.300	Straight	2999945.365	1154495.663	94.369	2999942.441	1154535.340	94.240
25.000	2999946.505	1154429.325	94.387	Straight	2999945.365	1154495.663	94.375	2999942.441	1154535.340	94.240
27.877	2999947.191	1154421.361	94.420	Tangent Point	2999945.365	1154495.663	94.487	2999942.441	1154535.340	94.240
30.000	2999950.022	1154418.465	94.485	Curve Radius 30,000	2999945.365	1154495.663	94.463	2999942.441	1154535.340	94.240
35.000	2999951.150	1154422.754	94.577	Curve	2999945.365	1154495.663	94.638	2999942.441	1154535.340	94.240
40.000	2999952.278	1154427.043	94.669	Straight	2999945.365	1154495.663	94.638	2999942.441	1154535.340	94.240
45.000	2999953.406	1154421.332	94.761	Straight	2999945.365	1154495.663	94.638	2999942.441	1154535.340	94.240
50.000	2999954.534	1154415.621	94.853	Straight	2999945.365	1154495.663	94.638	2999942.441	1154535.340	94.240
55.000	2999955.662	1154409.910	94.945	Straight	2999945.365	1154495.663	94.638	2999942.441	1154535.340	94.240
60.000	2999956.790	1154404.200	95.037	Straight	2999945.365	1154495.663	94.638	2999942.441	1154535.340	94.240
65.000	2999957.918	1154398.489	95.129	Tangent Point	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
70.000	2999959.046	1154392.778	95.221	Curve Radius 30,000	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
75.000	2999960.174	1154390.889	95.313	Curve	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
80.000	2999961.302	1154385.178	95.405	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
85.000	2999962.430	1154383.289	95.497	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
90.000	2999963.558	1154377.578	95.589	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
95.000	2999964.686	1154371.867	95.681	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
100.000	2999965.814	1154366.156	95.773	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
105.000	2999966.942	1154354.445	95.865	Tangent Point	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
110.000	2999968.070	1154342.734	95.957	Curve Radius 42,752	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
115.000	2999969.198	1154330.999	96.049	Curve	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
118.940	2999969.298	1154330.999	96.049	Tangent Point	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
119.000	2999969.398	1154330.999	96.049	Curve	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
120.000	2999969.498	1154330.999	96.049	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
125.000	2999970.626	1154325.288	96.141	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
130.000	2999971.754	1154319.577	96.233	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
135.000	2999972.882	1154313.866	96.325	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
140.000	2999974.010	1154308.155	96.417	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
145.000	2999975.138	1154302.444	96.509	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
150.000	2999976.266	1154296.733	96.601	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
155.000	2999977.394	1154291.022	96.693	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
160.000	2999978.522	1154285.311	96.785	Straight	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
162.822	2999978.618	1154285.311	96.785	Tangent Point	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240
163.000	2999978.618	1154285.311	96.785	End	2999945.365	1154495.663	95.004	2999942.441	1154535.340	94.240

Road 10										
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	299964.982	151450.080	94.593	Start of Channel				299971.137	151406.512	95.080
1.400	299965.028	151450.080	94.593	Start of Channel				299971.137	151406.512	95.080
2.000	299965.086	151452.763	94.686	Up at Channel	299965.273	151451.294	94.884	299970.525	151441.525	94.881
3.000	299967.455	151451.818	94.686	Up at Channel	299967.455	151451.818	94.888	299971.078	151441.845	94.888
11.501	299971.818	151451.818	94.627	Up at Channel	299969.676	151451.818	94.888	299971.078	151441.845	94.888
12.000	299972.790	151452.719	94.706	Straight						
15.302	299974.982	151450.404	94.775	End of Channel						

Road 11										
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	320001.594	154004.436	95.539	Start	320000.184	154001.788	95.464	320003.003	154007.084	95.614
3.000	320001.188	154006.794	95.416	Straight	320005.770	154004.136	95.341	320008.598	154009.433	95.461
13.000	320000.882	154009.154	95.294	Straight	320010.464	154006.486	95.219	320013.292	154008.836	95.291
18.000	320000.888	154011.514	95.171	Straight	320015.158	154008.836	95.096	320017.986	154011.186	95.241
23.000	320000.888	154013.874	95.048	Straight	320019.852	154011.186	94.974	320022.676	154013.536	95.021
24.998	320000.888	154015.234	94.925	ip	320027.835	154013.536	94.854	320030.624	154015.886	95.030
25.000	320000.888	154016.594	94.802	Straight	320032.529	154015.886	94.731	320035.319	154018.236	95.041
30.000	320000.888	154018.954	94.679	Straight	320037.223	154018.236	94.603	320040.008	154020.586	95.051
35.000	320000.888	154021.314	94.556	Straight	320041.917	154020.586	94.480	320044.697	154022.936	95.061
37.996	320000.888	154022.674	94.433	ip	320050.901	154022.936	94.352	320053.692	154025.286	95.071
38.000	320000.888	154024.034	94.310	Straight	320055.595	154025.286	94.234	320058.385	154027.636	95.081
42.000	320000.888	154026.394	94.187	Straight	320060.289	154027.636	94.152	320063.078	154029.986	95.091
47.000	320000.888	154028.754	94.064	Straight	320064.983	154029.986	94.026	320067.772	154032.336	95.101
52.000	320000.888	154031.114	93.941	Straight	320069.677	154032.336	93.903	320072.466	154034.686	95.111
57.000	320000.888	154033.474	93.818	Straight	320074.371	154034.686	93.779	320077.160	154037.036	95.121
62.993	320000.888	154035.834	93.695	End	320079.065	154037.036	93.657	320081.849	154039.386	95.131

Road 12										
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	299979.635	515361.835	95.591	Start of Channel						
2.400	299977.229	515361.697	95.551		299978.269	515354.227	95.548	299979.463	515367.321	95.480
4.800	299974.684	515361.529	95.511		299976.124	515357.260	95.508	299976.463	515364.363	95.480
7.200	299972.139	515361.361	95.471		299973.979	515360.292	95.468	299969.385	515363.037	95.401
9.600	299969.510	515360.959	95.426	Straight	299971.834	515363.324	95.428	299965.400	515360.584	95.053
12.000	299966.884	515359.797	95.383	Straight	299969.686	515366.356	95.433	299961.427	515358.154	95.026
12.726	299964.484	515359.959	95.361	End	299968.612	515357.561	94.621	299964.156	515362.316	95.041

[illegible]

Road 14										
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	298897.787	515452.753	52.013	Start of Channel				298897.772	515452.876	52.024
5.750	298898.075	515452.568	52.481	Straight	298898.927	515445.546	52.945	298899.300	515452.008	52.508
7.500	298898.787	515448.803	52.913	Tangent Point	298899.111	515443.100	52.511	298899.514	515447.144	52.918
10.000	298899.715	515444.178	52.927	Curve Radius 87.842	298900.884	515443.100	52.512	298900.565	515445.244	52.832
15.000	298900.884	515438.999	52.927	Curve	298902.657	515438.999	52.512	298902.338	515440.099	52.832
20.000	298902.657	515434.826	52.927	Curve	298904.430	515434.826	52.512	298904.111	515439.670	52.832
25.000	298904.430	515430.653	52.927	Curve	298906.203	515430.653	52.512	298905.884	515439.241	52.832
30.000	298906.203	515426.480	52.927	Curve	298907.976	515426.480	52.512	298907.657	515438.812	52.832
35.000	298907.976	515422.307	52.927	Curve	298909.749	515422.307	52.512	298909.430	515438.383	52.832
40.000	298910.511	515418.134	52.927	Curve	298911.522	515418.134	52.512	298911.203	515437.954	52.832
45.000	298912.284	515413.961	52.927	Curve	298913.295	515413.961	52.512	298912.976	515437.525	52.832
50.000	298914.057	515409.788	52.927	Curve	298915.068	515409.788	52.512	298914.749	515437.096	52.832
58.839	298916.550	515404.755	53.013	Tangent Point	298917.555	515403.075	53.023	298917.236	515404.749	53.069
60.000	298917.555	515403.075	53.013	Straight	298918.269	515399.899	53.013	298917.950	515403.075	53.143
65.000	298918.269	515397.360	53.013	Straight	298919.000	515396.640	53.013	298918.681	515399.899	53.143
70.000	298919.000	515395.621	53.013	Straight	298919.731	515393.899	53.013	298919.412	515395.625	53.257
75.000	298919.731	515393.899	53.013	Straight	298920.462	515392.159	53.013	298920.143	515398.855	53.371
85.757	298920.462	515389.813	53.013	End	298926.010	515389.848	53.013	298926.010	515389.813	53.326

Road 15										
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	296860.225	154940.775	91.688	Start	296827.202	154638.830	91.528	296832.825	154940.712	91.648
0.041	296830.244	154910.917	91.538	Tangent Point	296827.845	154549.973	91.475	296832.944	154910.720	91.596
0.080	296830.424	154911.771	91.538	Curve Radius 73.324	296830.033	154511.952	91.278	296832.877	154911.700	91.598
10.000	296830.925	154912.793	91.538	Curve	296831.544	154478.729	91.020	296833.354	154912.760	91.598
15.000	296831.624	154912.894	91.538	Curve	296832.477	154442.165	90.778	296834.171	154912.840	91.608
20.000	296832.525	154912.995	91.538	Curve	296833.600	154405.349	90.535	296835.092	154912.920	91.618
25.000	296833.526	154913.074	91.608	Curve	296834.898	154372.287	90.399	296836.351	154913.000	91.619
30.000	296834.627	154913.133	91.608	Curve	296836.357	154342.000	90.263	296837.760	154913.080	91.619
35.000	296835.870	154913.177	91.608	Curve	296838.040	154314.534	90.348	296839.359	154913.190	91.609
40.000	296837.203	154913.205	91.608	Curve	296839.847	154290.768	90.413	296840.950	154913.290	91.609
42.315	296837.506	154913.308	91.538	Tangent Point	296841.427	154267.595	90.468	296842.965	154913.310	91.599
45.000	296838.809	154913.316	91.538	Curve	296843.186	154246.816	90.523	296844.696	154913.390	91.599
48.896	296840.951	154913.395	91.538	Tangent Point	296844.934	154233.343	90.528	296847.877	154913.420	91.608
50.000	296841.654	154913.445	91.538	Curve	296846.797	154216.068	90.583	296849.822	154913.480	91.608
54.896	296843.926	154913.513	91.608	Curve	296848.777	154203.626	90.638	296851.340	154913.520	91.624
57.000	296845.229	154913.521	91.608	Curve	296850.870	154193.377	90.693	296853.129	154913.570	91.624
60.000	296846.532	154913.521	91.608	Curve	296853.073	154184.168	90.748	296855.000	154913.620	91.624
65.000	296851.513	154916.333	91.608	Curve	296861.269	154140.203	90.615	296863.758	154916.400	91.735
70.000	296856.524	154919.145	91.608	Curve	296870.465	154096.238	90.482	296872.954	154919.210	91.851
75.000	296862.382	154924.923	91.658	Tangent Point	296880.661	154076.336	90.498	296884.758	154925.010	91.818
80.000	296868.240	154930.701	91.658	Curve	296890.857	154056.388	90.464	296894.950	154930.760	91.818
85.000	296874.097	154936.479	91.658	Curve	296901.053	154036.440	90.440	296899.596	154936.510	91.850
87.113	296874.399	154936.522	91.658	Straight	296902.057	154027.126	90.428	296899.857	154937.000	91.851
91.000	296876.802	154941.941	91.658	Curve	296904.260	154017.817	90.428	296902.060	154941.990	91.851
95.000	296879.205	154947.360	91.658	Curve	296906.463	154008.508	90.440	296904.263	154947.410	91.851
97.847	296881.308	154948.444	91.433	End	296908.528	154000.000	90.340	296908.528	154948.444	91.433

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