

ALIGNMENT ROAD 1								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
SP1-1	0.000	493797.166	104105.863	50.000	267.34303	4.61277	4.025	2.014
TP1-1a	4.903	493792.268	104105.636		267.34303			
IP1-1		493790.257	104105.543					
TP1-1b	8.828	493789.244	104105.611		271.95580			
CP1-1	10.000	493787.173	104105.648					
CP1-2	20.000	493777.179	104105.989					
CP1-3	30.000	493767.184	104106.330					
CP1-4	40.000	493757.190	104106.672					
CP1-5	50.000	493747.196	104107.013					
JP1-1	58.406	493738.795	104107.300		271.95580			

ALIGNMENT ROAD 2								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
SP2-1	0.000	493657.263	104075.799	100.000	91.86928	5.30208	9.286	4.646
CP2-1	10.000	493667.257	104075.473					
TP2-1a	14.321	493671.576	104075.332		91.86928			
IP2-1		493676.220	104075.180					
CP2-2	20.000	493677.254	104075.308					
TP2-1b	23.607	493680.857	104075.460	100.000	86.54899	3.79946	6.631	3.317
TP2-2a	28.225	493685.467	104075.738		86.54899			
TP2-2	30.000	493688.778	104075.937					
CP2-3	40.000	493687.240	104075.629					
TP2-2b	34.856	493692.095	104075.917		90.34846			
CP2-4	40.000	493697.239	104075.886	17.750		75.14586	23.280	13.656
CP2-5	50.000	493707.239	104075.825					
CP2-6	60.000	493717.238	104075.764					
TP2-3a	61.634	493718.873	104075.754		90.34846			
IP2-3		493732.628	104075.671					
CP2-7	70.000	493726.844	104077.640	77.364		19.91296	26.888	13.581
CP2-8	80.000	493734.185	104084.345		15.20260			
TP2-3b	84.914	493736.109	104088.849					
IP2-4		493739.671	104101.955					
CP2-9	90.000	493737.281	104093.797					
CP2-10	100.000	493738.626	104103.700	62.750		16.39401	17.955	9.039
CP2-11	110.000	493738.683	104113.692					
TP2-4b	111.802	493738.556	104115.490		355.28964			
IP2-5		493737.819	104124.498					
CP2-12	120.000	493737.351	104123.593					
TP2-5b	129.756	493734.559	104132.931	40.000	338.89563	21.12265	14.746	7.458
CP2-13	130.000	493734.471	104133.158					
CP2-14	140.000	493730.870	104142.488					
TP2-6a	143.635	493729.562	104145.878		338.89563			
IP2-6		493726.876	104152.836					
CP2-15	150.000	493727.751	104151.974	12.750		0.01828		
TP2-6b	158.381	493726.879	104160.294		0.01828			
CP2-16	160.000	493726.879	104161.913					
CP2-17	170.000	493726.882	104171.913					
CP2-18	180.000	493726.885	104181.913		0.01828			
TP2-7a	184.453	493726.887	104186.366			90.01828	20.032	12.754
IP2-7		493726.891	104199.120					
CP2-19	190.000	493725.701	104191.740					
CP2-20	200.000	493718.529	104198.339					
TP2-7b	204.484	493714.137	104199.120		270.00000			
CP2-21	210.000	493708.621	104199.120					
CP2-22	220.000	493698.621	104199.120					
CP2-23	230.000	493688.621	104199.120					
CP2-24	240.000	493678.621	104199.120					
CP2-25	250.000	493668.621	104199.120					
CP2-26	260.000	493658.621	104199.120	270.00000				
EP2-1	264.573	493654.049	104199.120					

ALIGNMENT ROAD 3								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
JP3-1	0.000	493675.254	104075.279		356.72329			
CP3-1	10.000	493674.682	104085.263					
CP3-2	20.000	493674.111	104095.247					
CP3-3	30.000	493673.539	104105.230					
EP3-1	31.541	493673.451	104106.769		356.72329			

ALIGNMENT ROAD 4								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
JP4-1	0.000	493728.976	104147.497		270.02926			
CP4-1	10.000	493718.976	104147.502					
CP4-2	20.000	493708.976	104147.507					
CP4-3	30.000	493698.976	104147.512					
CP4-4	40.000	493688.976	104147.518					
CP4-5	50.000	493678.976	104147.523		270.02926			
CP4-6	60.000	493668.976	104147.528					
CP4-7	70.000	493658.976	104147.533					
EP4-1	75.817	493653.160	104147.536					

ALIGNMENT ROAD 5								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
JP5-1	0.000	493688.392	104147.518		0.00000			
CP5-1	10.000	493688.392	104157.518					
EP5-1	14.651	493688.392	104162.169		0.00000			

ALIGNMENT ROAD 6								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
JP6-1	0.000	493688.606	104199.120		360.00000			
CP6-1	10.000	493688.606	104209.120					
EP6-1	14.875	493688.606	104213.995		360.00000			

ALIGNMENT ROAD 7								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
JP7-1	0.000	493732.898	104082.487	10.000	128.36617	36.40541	6.354	3.288
CP7-1	10.000	493740.738	104076.280					
TP7-1a	11.584	493741.980	104075.297		128.36617			
IP7-1		493744.558	104073.256					
TP7-1b	17.938	493747.845	104073.143		91.96075			
CP7-2	20.000	493749.906	104073.073		91.96075			
CP7-3	30.000	493759.900	104072.731					
CP7-4	40.000	493769.894	104072.388					
EP7-1	47.567	493777.456	104072.130					

JUNCTION DETAILS : ROAD 6 - ROAD 2 LH Side					JUNCTION DETAILS : ROAD 6 - ROAD 2 RH Side				
Curve 1	E	N	Level	Radius	Curve 2	E	N	Level	Radius
Centre 01 :	493680.756	104206.870		5.000	Centre 02 :	493699.456	104206.870		5.000
Start TP1:	493680.755	104201.870	9.668		Start TP3:	493699.456	104201.870	9.542	
End TP2:	493685.756	104206.870	9.636		End TP4:	493691.456	104206.870	9.494	

JUNCTION DETAILS : ROAD 4 - ROAD 2 LH Side					JUNCTION DETAILS : ROAD 4 - ROAD 2 RH Side				
Curve 1	E	N	Level	Radius	Curve 2	E	N	Level	Radius
Centre 01 :	493722.799	104319.100		6.000	Centre 02 :	493719.433	104154.902		5.000
Start TP1:	493728.396	104141.261	9.882		Start TP3:	493724.401	104155.466	9.850	
End TP2:	493722.801	104145.100	9.797		End TP4:	493719.430	104149.902	9.890	

JUNCTION DETAILS : ROAD 1 - ROAD 2 LH Side					JUNCTION DETAILS : ROAD 1 - ROAD 2 RH Side				
Curve 1	E	N	Level	Radius	Curve 2	E	N	Level	Radius
Centre 01 :	493748.576	104095.959		8.000	Centre 02 :	493749.122	104117.954		8.000
Start TP1:	493748.849	104103.955	9.382		Start TP3:	493748.848	104109.958	9.534	
End TP2:	493740.666	104097.156	9.562		End TP4:	493741.165	104117.125	9.561	

JUNCTION DETAILS : ROAD 7 - ROAD 2 LH Side					JUNCTION DETAILS : ROAD 7 - ROAD 2 RH Side				
Curve 1	E	N	Level	Radius	Curve 2	E	N	Level	Radius
Centre 01 :	493748.129	104084.831		8.000	Centre 02 :	493733.780	104071.521		6.000
Start TP1:	493738.508	104087.265	9.637		Start TP3:	493730.430	104076.499	9.732	
End TP2:	493741.163	104078.558	9.588		End TP4:	493737.504	104076.226	9.702	

JUNCTION DETAILS : ROAD 3 - ROAD 2 LH Side					JUNCTION DETAILS : ROAD 3 - ROAD 2 RH Side				
Curve 1	E	N	Level	Radius	Curve 2	E	N	Level	Radius
Centre O1 :	493666.842	104082.246		5.000	Centre O2 :	493666.570	104087.561		9.000
Start TP1:	493666.923	104077.246	9.959		Start TP3:	493687.404	104078.599	10.124	
End TP2:	493671.834	104082.532	10.069		End TP4:	493677.585	104087.047	9.885	