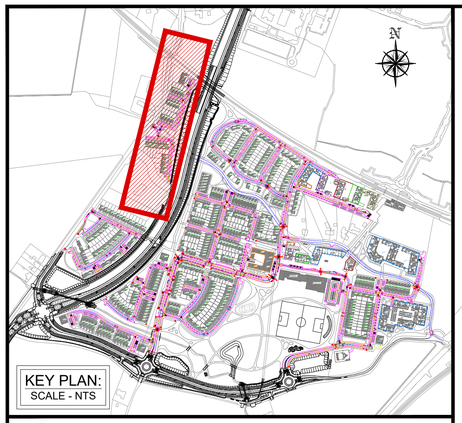
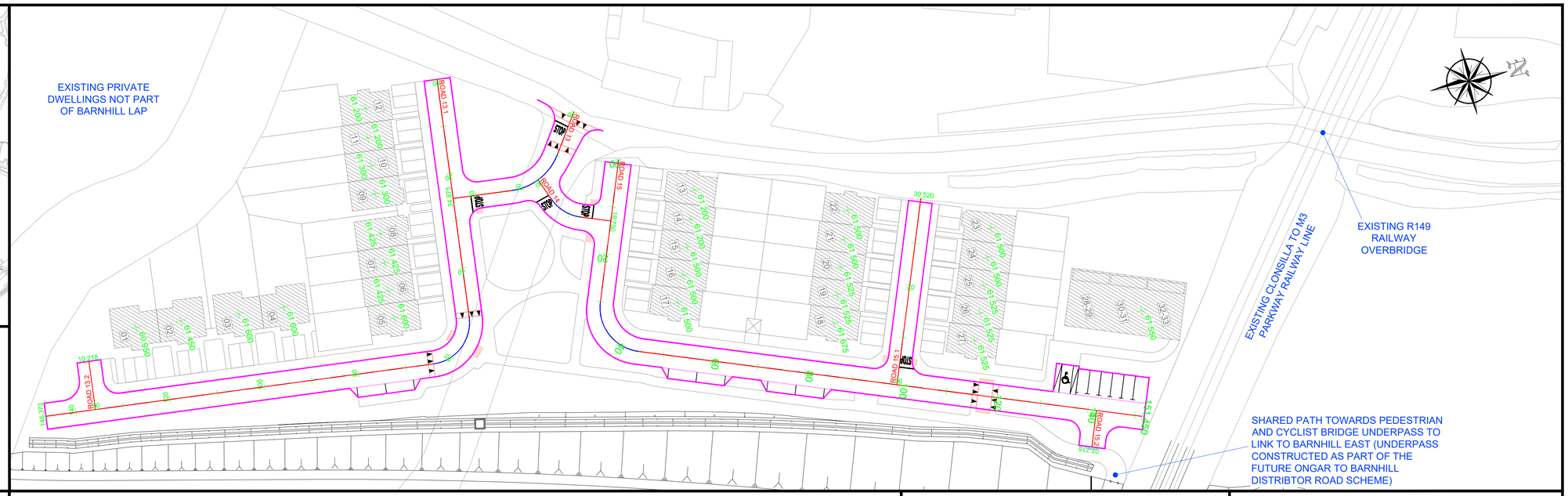


LONGSECTIONS LEGEND

EXISTING GROUND PROFILE

PROPOSED GROUND PROFILE

VERTICAL CURVATURE

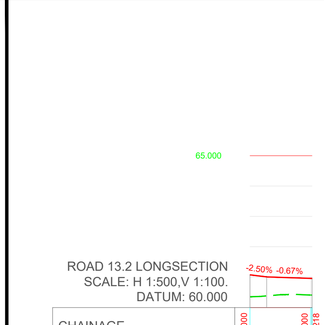


ROAD 13 LONGSECTION
SCALE: H 1:500,V 1:100.
DATUM: 55.000

CHAINAGE	00.000	10.000	20.000	30.000	34.675
EXISTING GROUND LEVELS	60.644	60.509	59.573	60.366	60.271
PROPOSED LEVELS	60.644	60.744	60.844	60.944	60.993
VERTICAL GEOMETRY	G =1.000% 1:100.0				
HORIZONTAL GEOMETRY	L =9.632	R: 12.000 L: 12.804		L =12.439	

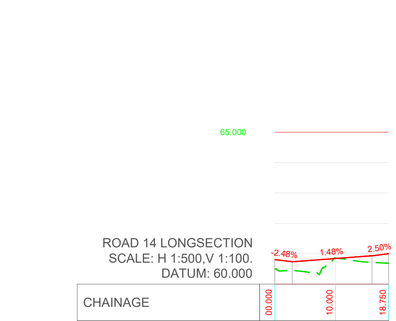
ROAD 13.1 LONGSECTION
SCALE: H 1:500,V 1:100.
DATUM: 55.000

CHAINAGE	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	146.373
EXISTING GROUND LEVELS	60.541	60.031	60.226	60.293	60.342	60.049	60.158	60.099	60.018	60.019	60.012	60.025	60.126	60.207	60.468	60.774
PROPOSED LEVELS	60.741	60.841	60.941	60.889 60.889	61.026	61.095	61.164	61.233	61.302	61.371	61.399	61.400	61.384	61.317	61.250	61.183	61.117	61.050	61.008
VERTICAL GEOMETRY	G =1.001% 1:99.9		R =260.000 K =2.600 L =0.809		G =0.690% 1:144.9				R =260.000 K =2.600 L =3.529			G =-0.667% -1:149.9							
HORIZONTAL GEOMETRY	L =50.396				R: 8.750 L: 13.744				L =82.232										



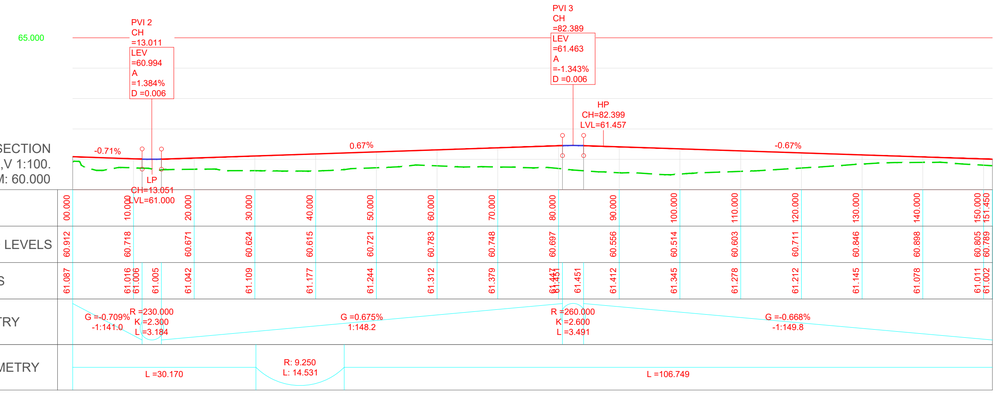
ROAD 13.2 LONGSECTION
SCALE: H 1:500,V 1:100.
DATUM: 60.000

CHAINAGE	00.000	10.000	10.218
EXISTING GROUND LEVELS	60.357	60.409	60.408
PROPOSED LEVELS	61.078	60.960	60.959
VERTICAL GEOMETRY	G =-2.500% -1:40.0	G =-0.667% -1:149.9	
HORIZONTAL GEOMETRY	L =10.218		



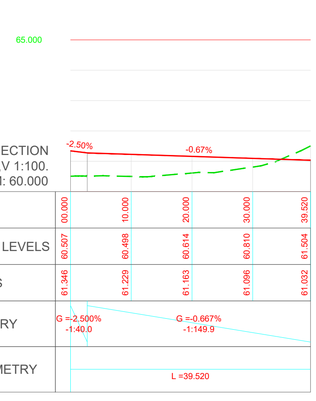
ROAD 14 LONGSECTION
SCALE: H 1:500,V 1:100.
DATUM: 60.000

CHAINAGE	00.000	10.000	18.750
EXISTING GROUND LEVELS	60.500	60.857	60.884
PROPOSED LEVELS	60.809	60.843	61.000
VERTICAL GEOMETRY	G =-2.482% -1:40.3	G =1.476% 1:67.7	G =2.500% 1:40.0
HORIZONTAL GEOMETRY	R: 8.750 L: 5.067	L: 7.265	L =6.419



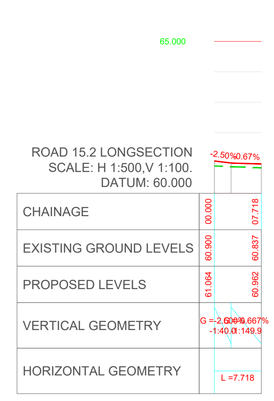
ROAD 15 LONGSECTION
SCALE: H 1:500,V 1:100.
DATUM: 60.000

CHAINAGE	00.000	10.000	13.011	20.000	30.000	40.000	50.000	60.000	70.000	80.000	82.389	90.000	100.000	110.000	120.000	130.000	140.000	150.000	151.450
EXISTING GROUND LEVELS	60.912	60.718	60.671	60.624	60.615	60.721	60.783	60.748	60.697	60.556	60.514	60.603	60.711	60.846	60.898	60.805	60.769
PROPOSED LEVELS	61.087	61.016	61.006	61.005	61.042	61.109	61.177	61.244	61.312	61.379	61.447	61.451	61.412	61.345	61.278	61.212	61.145	61.078	61.011	61.002
VERTICAL GEOMETRY	G =-0.709% -1:141.0	R =230.000 K =2.300 L =3.184			G =0.675% 1:148.2						R =260.000 K =2.600 L =3.491			G =-0.668% -1:149.8						
HORIZONTAL GEOMETRY	L =30.170		R: 9.250 L: 14.531		L =106.749														



ROAD 15.1 LONGSECTION
SCALE: H 1:500,V 1:100.
DATUM: 60.000

CHAINAGE	00.000	10.000	20.000	30.000	39.520
EXISTING GROUND LEVELS	60.507	60.488	60.614	60.810	61.504
PROPOSED LEVELS	61.346	61.229	61.163	61.096	61.032
VERTICAL GEOMETRY	G =-2.500% -1:40.0		G =-0.667% -1:149.9		
HORIZONTAL GEOMETRY	L =39.520				



ROAD 15.2 LONGSECTION
SCALE: H 1:500,V 1:100.
DATUM: 60.000

CHAINAGE	00.000	07.718
EXISTING GROUND LEVELS	60.900	60.837
PROPOSED LEVELS	61.064	60.982
VERTICAL GEOMETRY	G =-2.500% -1:40.0	G =-0.667% -1:149.9
HORIZONTAL GEOMETRY	L =7.718	

Clifton Scannell Emerson Associates

16_053_032 - BARNHILL GARDEN VILLAGE SHD - PROPOSED INTERNAL ROADS AND LONGSECTIONS ROADS 13, 13.1, 13.2, 14, 15, 15.1 & 15.2 - SHEET 15 OF 15

PLAN VIEW SCALE - 1:500 @ A1