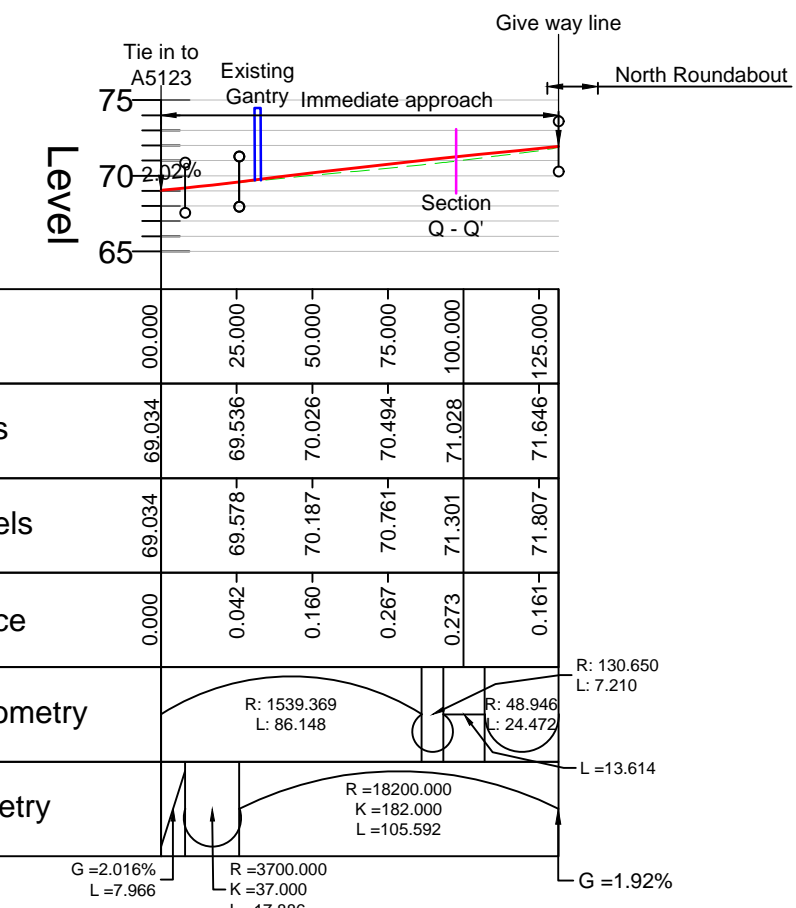


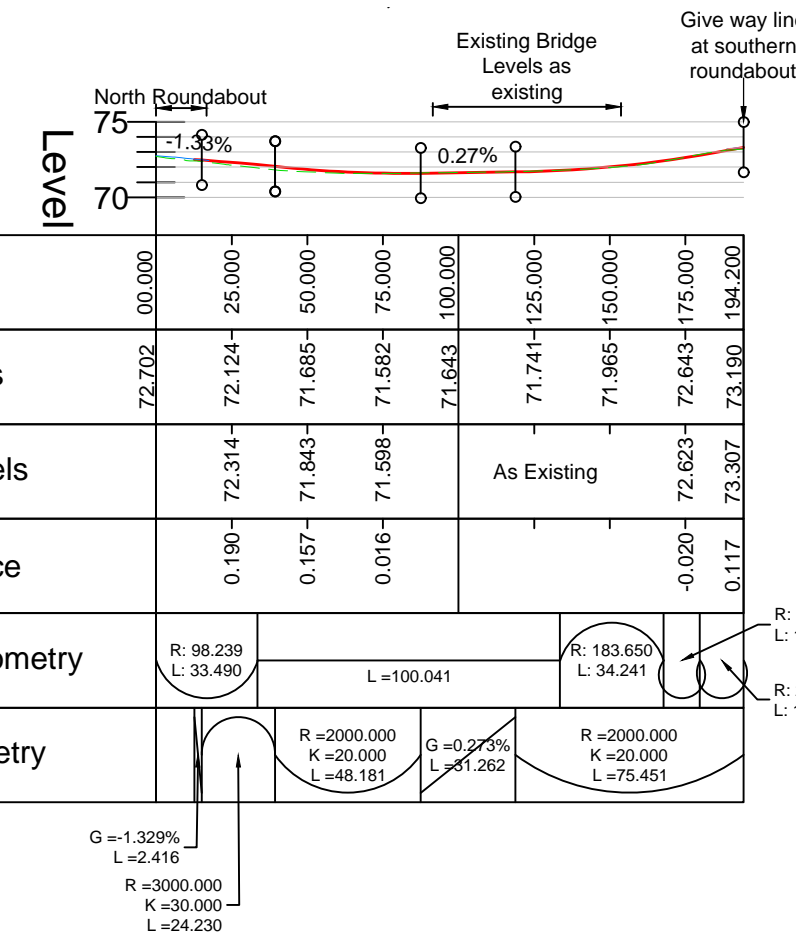
M1 JUNCTION 15A IMPROVEMENT

A5123 SB - LONGSECTION
SCALE: H 1:2500,V 1:500. DATUM: 70.000



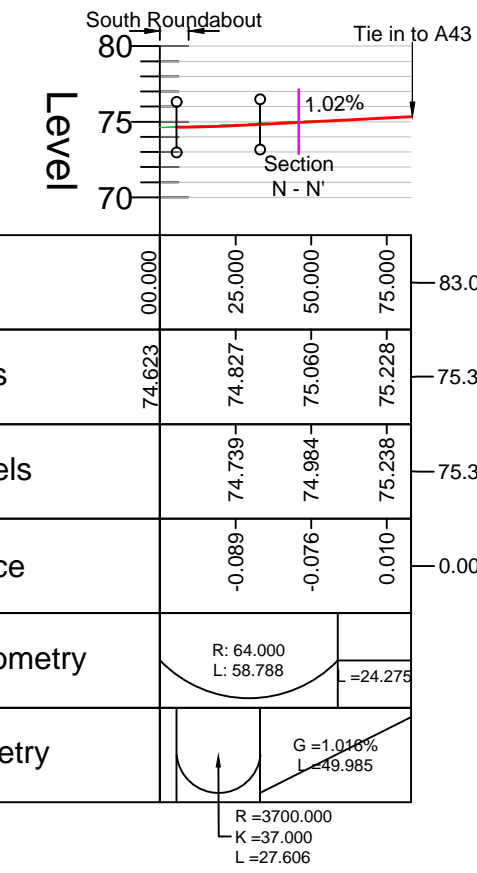
Chainage	00.000	25.000	50.000	75.000	100.000	125.000
Existing Levels	69.034	69.536	70.026	70.484	71.028	71.646
Proposed Levels	69.034	69.578	70.187	70.761	71.301	71.807
Level Difference	0.000	0.042	0.160	0.287	0.273	0.161
Horizontal Geometry	R: 1539.369 L: 86.148 R: 48.94 L: 24.472 R: 130.650 L: 7.210					
Vertical Geometry	G = 2.016% L = 7.966 R = 3700.000 K = 37.000 L = 17.886 G = 1.92%					

LINK SB - LONGSECTION
SCALE: H 1:2500,V 1:500. DATUM: 70.000



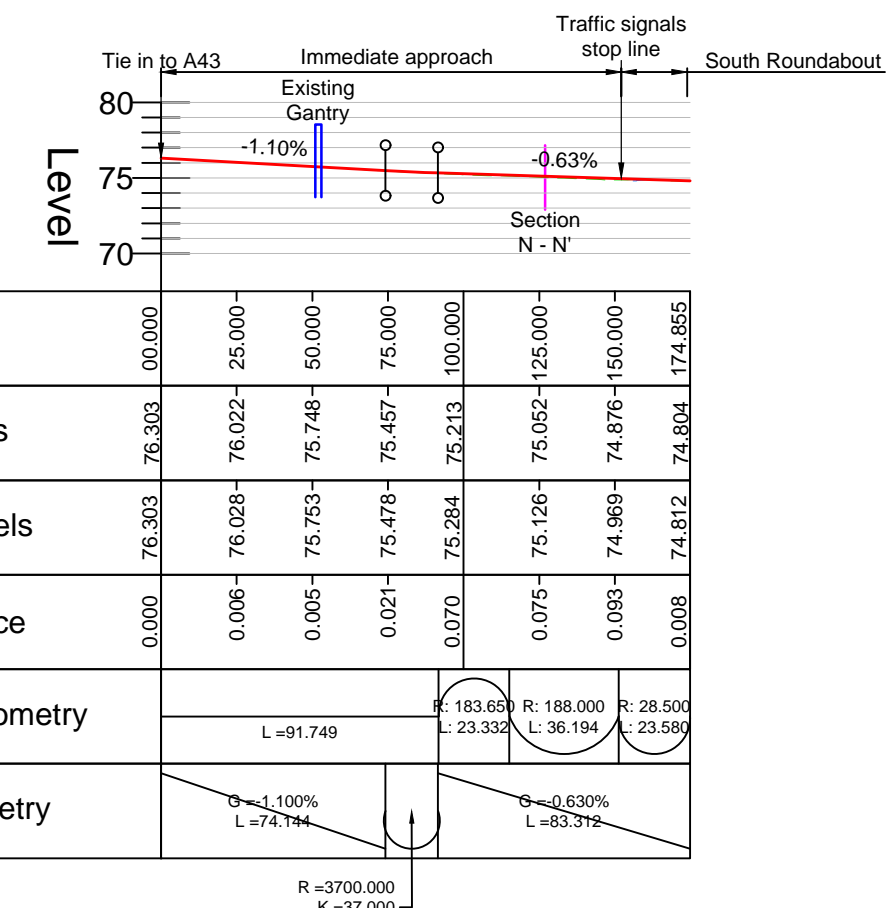
Chainage	00.000	25.000	50.000	75.000	100.000	125.000	150.000	175.000	198.200
Existing Levels	72.702	72.124	71.685	71.582	71.643	71.741	71.965	72.643	73.190
Proposed Levels	72.702	72.314	71.843	71.588	71.582	71.643	71.741	72.643	73.307
Level Difference	0.000	0.190	0.157	0.016	0.000	0.000	0.000	0.000	0.117
Horizontal Geometry	R: 98.239 L: 33.496 L = 100.041 R: 183.650 L: 34.241 R: 83.650 L: 12.016 R: 22.446 L: 14.411								
Vertical Geometry	G = -1.329% L = 2.416 R = 3000.000 K = 30.000 L = 24.230 R = 2000.000 K = 20.000 L = 48.181 G = 0.277% L = 87.262 R = 2000.000 K = 20.000 L = 75.451 R = 3700.000 K = 37.000 L = 27.696								

A43 SB - LONGSECTION
SCALE: H 1:2500,V 1:500. DATUM: 70.000



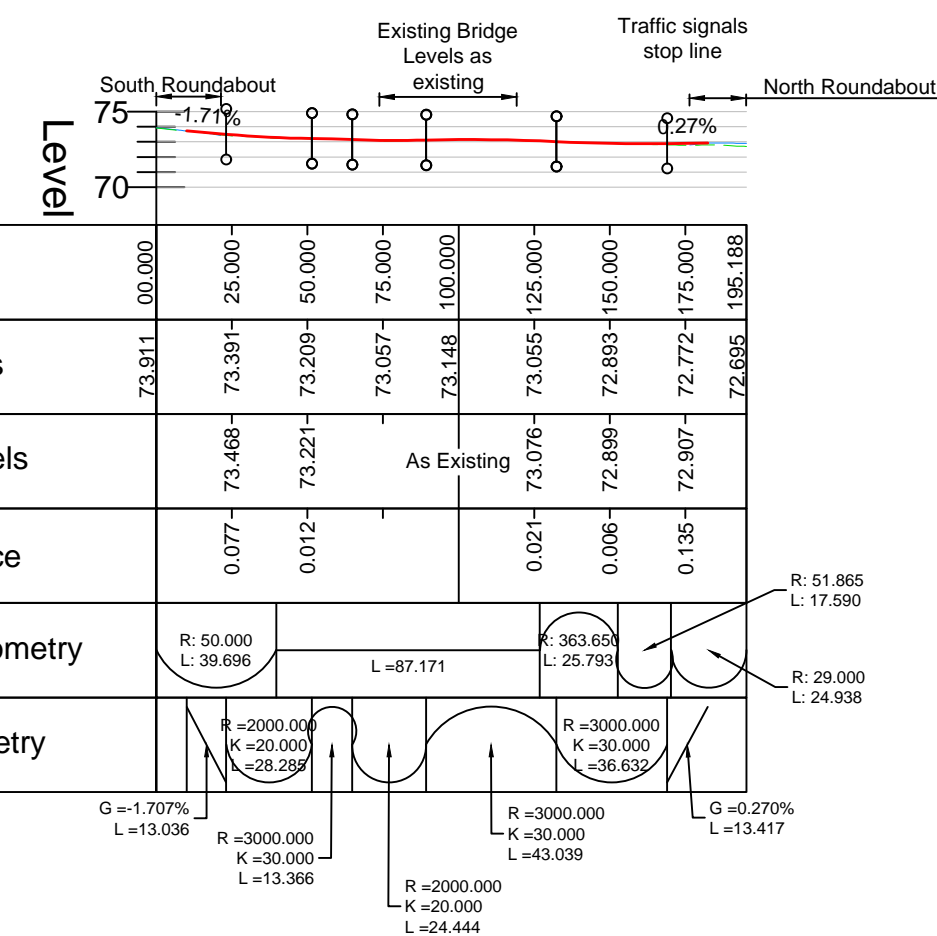
Chainage	00.000	25.000	50.000	75.000
Existing Levels	75.623	74.827	75.069	75.228
Proposed Levels	75.623	74.739	74.984	75.228
Level Difference	0.000	-0.089	-0.076	0.000
Horizontal Geometry	R: 64.000 L: 58.788 L = 24.272			
Vertical Geometry	G = 1.016% L = 49.985 R = 3700.000 K = 37.000 L = 27.696			

A43 NB - LONGSECTION
SCALE: H 1:2500,V 1:500. DATUM: 70.000



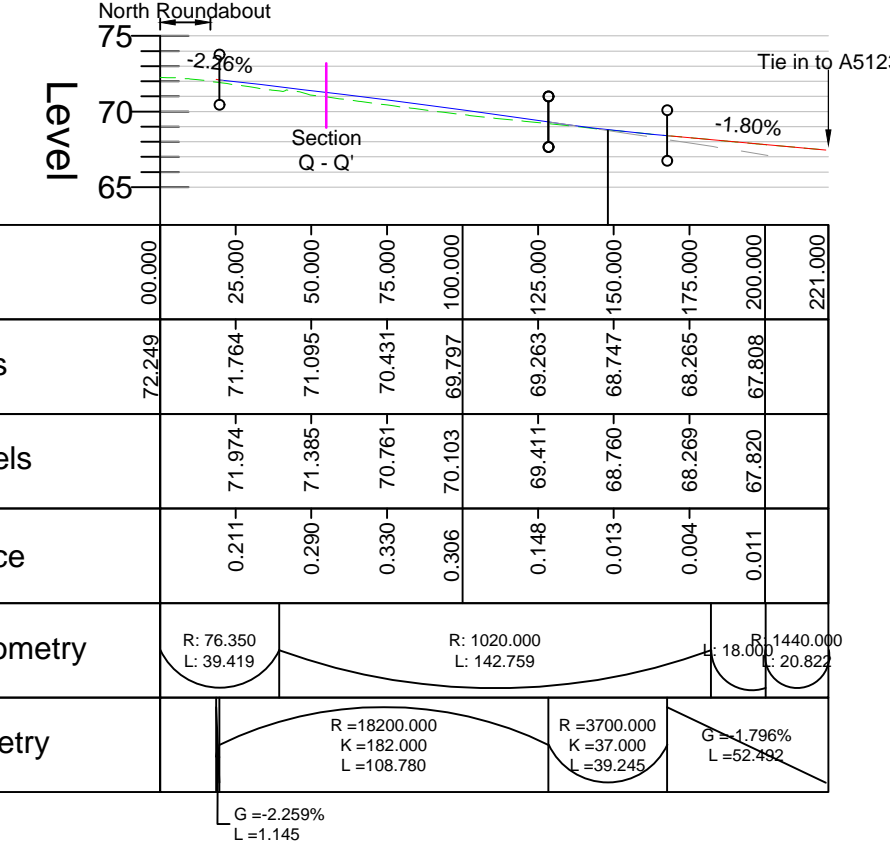
Chainage	00.000	25.000	50.000	75.000	100.000	125.000	150.000	174.855
Existing Levels	76.303	76.022	75.749	75.457	75.213	75.052	74.876	74.804
Proposed Levels	76.303	76.028	75.753	75.478	75.263	75.128	74.989	74.812
Level Difference	0.000	0.006	0.005	0.021	0.070	0.075	0.089	0.008
Horizontal Geometry	L = 91.749 R: 183.650 L: 23.332 R: 180.000 L: 36.194 R: 20.550 L: 23.560							
Vertical Geometry	G = -1.100% L = 74.144 R = 3700.000 K = 37.000 L = 17.399 R = 2000.000 K = 20.000 L = 13.368 R = 3000.000 K = 30.000 L = 24.444 G = -0.630% L = 83.312							

LINK NB - LONGSECTION
SCALE: H 1:2500,V 1:500. DATUM: 70.000



Chainage	00.000	25.000	50.000	75.000	100.000	125.000	150.000	175.000	195.108
Existing Levels	73.811	73.391	73.209	73.057	73.148	73.055	72.893	72.772	72.895
Proposed Levels	73.811	73.468	73.221	73.076	73.076	72.898	72.772	72.907	73.058
Level Difference	0.000	0.077	0.012	0.000	0.000	0.006	0.135	0.135	0.163
Horizontal Geometry	R: 50.000 L: 39.696 L = 87.171 R: 363.308 L: 25.793 R: 51.865 L: 17.590 R: 29.000 L: 24.938								
Vertical Geometry	G = -1.707% L = 13.036 R = 3000.000 K = 30.000 L = 13.368 R = 2000.000 K = 20.000 L = 24.444 R = 3000.000 K = 30.000 L = 43.039 G = -0.270% L = 13.417								

A5123 NB - LONGSECTION
SCALE: H 1:2500,V 1:500. DATUM: 70.000



Chainage	00.000	25.000	50.000	75.000	100.000	125.000	150.000	175.000	200.000	221.000
Existing Levels	72.248	71.784	71.895	70.451	69.397	69.263	68.747	68.265	67.808	67.400
Proposed Levels	72.248	71.974	71.385	70.761	69.103	68.411	68.747	68.269	67.820	67.400
Level Difference	0.000	0.211	0.230	0.330	0.308	0.148	0.013	0.004	0.011	0.000
Horizontal Geometry	R: 76.350 L: 39.419 R: 1520.000 L: 142.759 R: 18.000 L: 20.822									
Vertical Geometry	R = 18200.000 K = 182.000 L = 108.780 R = 3700.000 K = 37.000 L = 27.696 G = -2.259% L = 1.145 G = -1.796% L = 52.892									

- Notes**
- All dimensions are in metres unless stated otherwise.
 - General arrangement plans DOCUMENT 2.4 to DOCUMENT 2.4F are to be used as a location reference for each highway centreline which is then shown in longsection on the longsection drawings.
 - The height of proposed bridges / embankments and the depth of proposed cuttings are indicative subject to the limits of deviation referred to in the order.
 - All structure positions and sizes shown are indicative.
 - All culvert positions and sizes shown are indicative.
 - The proposed works including their specific alignment will be subject to detailed design within the limits of deviation identified on the works plans.
 - Horizontal and vertical deviation of the highway alignments are permitted in accordance with Article 4 of the Development Consent Order.

Legend

- Proposed Ground Level
- Existing Ground Level
- Area of Cut
- Area of Fill
- Departure from Standards NGW/A508/XX

Rev	Date	Details of issue / revision	Drw	Rev
P4	01.05.18	Issued for Submission	PG	SRH
P3	29.03.18	Scheme Review	PG	SRH
P2	07.03.18	J15A Geometry updated	PG	SRH
P1	26.01.18	Preliminary Issue	PG	SRH

ISSUES & REVISIONS

THE NORTHAMPTON GATEWAY RAIL FREIGHT INTERCHANGE ORDER 201X

Highway Plans Long Sections SHEET 5 OF 6

Scale	1:2,500	Drawn	P. Goodyear
Size	A1	Reviewed	S. Hilditch
Regulation	5(2) (o)	Document	2.4R
Drawing Status	SUBMISSION		
Drawing No.	NGW-BWB-HGN-05-DR-C-00145	Revision	P4