

LEGEND

Combined Engineering Appraisal

- Major Adverse
- Moderate Adverse
- Slight Adverse
- Neutral

P01	First Fix Appraisal				
	JSE	CP	CB	GW	GH
	10/04/18	18/04/18	18/04/18	18/04/18	18/04/18

Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer
 Precision House
 McNell Drive
 Motherwell
 ML1 4UR



Client
 58 Port Dundas Road
 Glasgow
 G4 0HF



Project Name
A96 Dualling: East of Huntly to Aberdeen

Drawing Title
CS02 - Engineering Appraisal Sheet 2 of 2

Project Ref. No	Stage	Scale	@A1
250002-92	Stage 2	1:20,000	
		Dimensions :	

Drawing Number	Project	Originator	Volume
A96PEA	-AMAR	HGN	-
CC	-DR-CH-012002		
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S2	For Information	P01.01

0	Neutral	Criteria
-1	Slight Adverse	
-2	Moderate Adverse	
-3	Major Adverse	

Rules
Total Score

= Alignment Score (Average of E, F, G, H and I) + Geo Score + Structures Score + Flooding Score (Average of L, M and N) + Utilities score + Constructability Score (Minimum value of P&Q) = Total of 6 scores for 6 categories

Then if total < or equal to -9 then should be coloured red because this represents possibility of 3 reds or 4 ambers
If total is between -6 and -8 should be coloured amber since this could represent 2 reds or 3/4 ambers.
If total is between -3 and -5 sho

Chainage	Start Chainage	End Chainage	Criteria										Score	Adjusted	Total	Comments	
			Alignment	Alignment	Alignment	Alignment	Alignment	Alignment	Geotechnics	Structures	Flooding and Drainage	Flooding and Drainage					Flooding and Drainage
			Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption			
0	50		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
50	100		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
100	150		0	0	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
150	200		0	0	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
200	250		0	0	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
250	300		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
300	350		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
350	400		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
400	450		0	0	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
450	500		0	0	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
500	550		0	0	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
550	600		0	0	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
600	650		0	0	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
650	700		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
700	750		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
750	800		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
800	850		0	-1	-1	-1	-1	-1	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1800	
850	900		0	-2	-1	-1	-1	-1	0	0	0	-3	0	-5	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1801	
900	950		0	-2	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1802	
950	1000		0	-3	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1803	
1000	1050		0	-3	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1804	
1050	1100		0	-3	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1805	
1100	1150		0	-3	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1806	
1150	1200		0	-3	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1807	
1200	1250		0	-3	-1	-1	-1	-3	0	0	0	-3	0	-7	-7	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1808	
1250	1300		0	-3	-1	-1	-1	-3	0	0	0	-3	0	-7	-7	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1809	
1300	1350		0	-3	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1810	
1350	1400		0	-3	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1811	
1400	1450		0	-3	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1812	
1450	1500		0	-3	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1813	
1500	1550		0	-3	-1	-1	-1	-2	0	0	0	-3	0	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1814	
1550	1600		0	-2	-1	-1	-1	-2	0	0	0	-2	-3	-8	-8	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1815	
1600	1650		0	-2	-1	-1	-1	-1	0	0	0	-2	-3	-7	-7	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1816	
1650	1700		0	-1	-1	-1	-1	0	0	0	0	-2	-3	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1817	
1700	1750		0	-1	-1	-1	-1	0	0	0	0	-2	-3	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1818	
1750	1800		0	-1	-1	-1	-1	0	0	0	0	-2	-3	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1819	
1800	1850		0	0	-1	-1	-1	0	0	0	0	-2	-3	-6	-6	Large cutting present with height difference of levels reaching 38m difference. SGN high pressure gas main also present from Ch 1550 to 1820	
1850	1900		0	0	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
1900	1950		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
1950	2000		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2000	2050		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2050	2100		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2100	2150		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2150	2200		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2200	2250		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2250	2300		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2300	2350		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2350	2400		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2400	2450		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2450	2500		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		
2500	2550		0	-1	-1	-1	-1	0	0	0	0	-3	0	-4	-4		

2550	2600	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
2600	2650	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
2650	2700	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
2700	2750	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-2	-1	-5	-6	Adjusted to suit. High pressure SGN pipe crosses proposed alignment with levels being several meters below existing ground
2750	2800	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-2	-1	-5	-6	Adjusted to suit. High pressure SGN pipe crosses proposed alignment with levels being several meters below existing ground
2800	2850	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-2	-1	-5	-6	Adjusted to suit. High pressure SGN pipe crosses proposed alignment with levels being several meters below existing ground
2850	2900	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-2	-1	-5	-6	Adjusted to suit. High pressure SGN pipe crosses proposed alignment with levels being several meters below existing ground
2900	2950	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
2950	3000	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
3000	3050	0	0	-1	-1	-1	0	0	0	-3	0	0	-2	-1	-4	-6	Construction on flood plain constitutes moderate impact	
3050	3100	0	-1	-1	-1	-1	0	0	0	-3	0	0	-2	-1	-4	-6	Construction on flood plain constitutes moderate impact	
3100	3150	0	-1	-1	-1	-1	0	0	0	-3	0	0	-2	-1	-4	-6	Construction on flood plain constitutes moderate impact	
3150	3200	0	-1	-1	-1	-1	0	0	0	0	0	-1	-2	-1	-5	-5		
3200	3250	0	-1	-1	-1	-1	0	0	0	0	0	-1	-2	-1	-4	-4		
3250	3300	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
3300	3350	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
3350	3400	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
3400	3450	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
3450	3500	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
3500	3550	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
3550	3600	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-1	-3	-3		
3600	3650	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
3650	3700	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
3700	3750	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
3750	3800	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
3800	3850	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
3850	3900	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
3900	3950	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
3950	4000	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4000	4050	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4050	4100	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4100	4150	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4150	4200	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4200	4250	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4250	4300	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4300	4350	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4350	4400	0	-1	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
4400	4450	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
4450	4500	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
4500	4550	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
4550	4600	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
4600	4650	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
4650	4700	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
4700	4750	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4750	4800	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4800	4850	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
4850	4900	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-3	0	-6	-5	Adjusted to suit. SGN high pressure gas mains present at chainage length however 4-5m above existing levels
4900	4950	0	-1	-1	-1	-1	0	0	0	0	0	0	-2	-3	0	-6	-5	Adjusted to suit. SGN high pressure gas mains present at chainage length however 4-5m above existing levels
4950	5000	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5000	5050	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5050	5100	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5100	5150	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5150	5200	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5200	5250	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5250	5300	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5300	5350	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5350	5400	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5400	5450	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5450	5500	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5500	5550	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5550	5600	0	-1	-1	-1	-1	0	0	0	0	0	-1	-3	0	-5	-5		
5600	5650	0	-1	-1	-1	-1	0	0	0	0	0	-1	-3	0	-5	-5		
5650	5700	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5700	5750	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5750	5800	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
5800	5850	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	NG pipeline crosses alignment over this chainage length. Proposed levels go from 3m over existing to 4m below
5850	5900	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	NG pipeline crosses alignment over this chainage length. Proposed levels go from 3m over existing to 4m below
5900	5950	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	NG pipeline crosses alignment over this chainage length. Proposed levels go from 3m over existing to 4m below
5950	6000	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-4	-4	
6000	6050	0	-2	-1	-1	-1	-2	0	0	0	0	0	-3	0	-6	-6	Cutting present in proposed alignment that is as deep as 17m along this chainage length	
6050	6100	0	-2	-1	-1	-1	-2	0	0	0	0	0	-3	0	-6	-6	Cutting present in proposed alignment that is as deep as 17m along this chainage length	
6100	6150	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
6150	6200	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
6200	6250	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
6250	6300	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
6300	6350	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
6350	6400	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
6400	6450	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
6450	6500	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
6500	6550	0	-2	-1	-1	-1	-1	0	0	0	0	0	-3	0	-5	-5		
6550	6600	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2		
6600	6650	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2		
6650	6700	0	0	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-3	-3		
6700	6750	0	0	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-3	-3		
6750	6800	0	-1	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-3	-3		
6800	6850	0	-1	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-3	-3		
6850	6900	0	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-1	-3	-3		
6900	6950	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2		
6950	7000	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2		

7000	7050	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7050	7100	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7100	7150	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7150	7200	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7200	7250	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7250	7300	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7300	7350	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7350	7400	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7400	7450	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7450	7500	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7500	7550	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7550	7600	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
7600	7650	0	-1	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-3	-3	
7650	7700	0	-2	-1	-1	-1	-1	0	0	0	0	-1	-1	-1	-4	-4	
7700	7750	0	-2	-1	-1	-1	-1	0	0	0	0	-1	-1	-1	-4	-4	
7750	7800	0	-2	-1	-1	-1	-2	0	0	0	0	0	-1	-1	-4	-4	
7800	7850	0	-2	-1	-1	-1	-2	0	0	0	0	0	-1	-1	-4	-4	
7850	7900	0	-3	-1	-1	-1	-2	0	0	0	0	0	-1	-1	-4	-4	
7900	7950	0	-3	-1	-1	-1	-2	0	0	0	0	0	-1	-1	-4	-4	
7950	8000	0	-3	-1	-1	-1	-3	0	0	0	0	0	-1	-1	-5	-6	Major geotechnical constraint. Proposed alignment upgraded to moderate.
8000	8050	0	-3	-1	-1	-1	-3	0	0	0	0	0	-1	-1	-5	-6	Adjusted to suit. Proposed alignment required structure crossing valley, river and two existing roads along span
8050	8100	0	-3	-1	-1	-1	-3	-2	-3	0	0	0	-1	-1	-8	-8	Adjusted to suit. Proposed alignment required structure crossing valley, river and two existing roads along span
8100	8150	0	-3	-1	-1	-1	-3	-2	-3	0	0	0	-1	-1	-8	-8	Adjusted to suit. Proposed alignment required structure crossing valley, river and two existing roads along span
8150	8200	0	-2	-1	-1	-1	-1	-2	0	0	0	0	-1	-1	-5	-6	Adjusted to suit. Proposed alignment required structure crossing valley, river and two existing roads along span
8200	8250	0	-2	-1	-1	-1	-1	-2	0	0	0	0	-1	-1	-5	-6	Adjusted to suit. Proposed alignment required structure crossing valley, river and two existing roads along span
8250	8300	0	-2	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-3	-3	
8300	8350	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
8350	8400	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
8400	8450	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
8450	8500	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
8500	8550	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
8550	8600	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
8600	8650	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
8650	8700	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
8700	8750	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
8750	8800	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
8800	8850	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
8850	8900	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
8900	8950	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
8950	9000	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9000	9050	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9050	9100	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9100	9150	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9150	9200	0	0	-1	-1	-1	0	0	0	0	0	-2	-3	0	-6	-6	Proposed alignment below existing levels within 100m and 275kV crossing present
9200	9250	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9250	9300	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9300	9350	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9350	9400	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9400	9450	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9450	9500	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9500	9550	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9550	9600	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9600	9650	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9650	9700	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9700	9750	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9750	9800	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9800	9850	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9850	9900	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9900	9950	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
9950	10000	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
10000	10050	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10050	10100	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10100	10150	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10150	10200	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10200	10250	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10250	10300	0	0	-1	-1	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
10300	10350	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10350	10400	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10400	10450	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10450	10500	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10500	10550	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10550	10600	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10600	10650	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10650	10700	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10700	10750	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2	
10750	10800	0	-1	-1	-1	-1	-1	0	0	0	0	-2	-1	-1	-5	-5	Adjusted to suit. SGN high pressure gas main present at location however proposed alignment levels are 6m above existing
10800	10850	0	-1	-1	-1	-1	-1	0	0	0	0	-2	-3	0	-7	-5	Adjusted to suit. SGN high pressure gas main present at location however proposed alignment levels are 6m above existing
10850	10900	0	-1	-1	-1	-1	-1	0	0	0	0	-1	-3	0	-6	-5	Adjusted to suit. SGN high pressure gas main present at location however proposed alignment levels are 6m above existing
10900	10950	0	-1	-1	-1	-1	0	0	0	0	0	-1	-3	0	-5	-5	
10950	11000	0	-1	-1	-1	-1	0	0	0	0	0	-1	-3	0	-5	-5	
11000	11050	0	0	-1	-1	-1	0	0	0	0	0	-1	-3	0	-5	-5	
11050	11100	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
11100	11150	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
11150	11200	0	-1	-1	-1	-1	0	0	0	0	-1	-3	0	-4	-4		
11200	11250	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
11250	11300	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
11300	11350	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4	
11350	11400	0	-1	-1	-1	-1	0	0	0	0	0	-1	-3	0	-5	-5	
11400	11450	0	-1	-1	-1	-1	0	0	0	0	0	-1	-3	0	-5	-5	

11450	11500	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
11500	11550	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
11550	11600	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
11600	11650	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	-4	-4		
11650	11700	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Existing and proposed levels similar. Utility potential concern due to pylon within vicinity & high voltage cable crossing alignment
11700	11750	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Existing and proposed levels similar. Utility potential concern due to pylon within vicinity & high voltage cable crossing alignment
11750	11800	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Existing and proposed levels similar. Utility potential concern due to pylon within vicinity & high voltage cable crossing alignment
11800	11850	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Existing and proposed levels similar. Utility potential concern due to pylon within vicinity & high voltage cable crossing alignment
11850	11900	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
11900	11950	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
11950	12000	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
12000	12050	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12050	12100	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12100	12150	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12150	12200	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12200	12250	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12250	12300	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12300	12350	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12350	12400	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12400	12450	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12450	12500	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12500	12550	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
12550	12600	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
12600	12650	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
12650	12700	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
12700	12750	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
12750	12800	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
12800	12850	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
12850	12900	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
12900	12950	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
12950	13000	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-5	-5	
13000	13050	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-5	-5	
13050	13100	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-5	-5	
13100	13150	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-5	-5	
13150	13200	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-5	-5	
13200	13250	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
13250	13300	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
13300	13350	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
13350	13400	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Proposed levels 1.8m difference. Utility potential concern. Pylon within 100m
13400	13450	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
13450	13500	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
13500	13550	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
13550	13600	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	-2	-1	-6	-6	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
13600	13650	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	-2	-1	-6	-6	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
13650	13700	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	-2	-1	-6	-6	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
13700	13750	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-2	-1	-6	-6	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
13750	13800	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-2	-1	-6	-6	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
13800	13850	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-2	-1	-6	-6	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
13850	13900	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-2	-1	-6	-6	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
13900	13950	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-2	-1	-6	-6	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
13950	14000	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-2	-1	-6	-6	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14000	14050	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-2	-1	-6	-6	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14050	14100	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14100	14150	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14150	14200	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14200	14250	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14250	14300	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14300	14350	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14350	14400	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14400	14450	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14450	14500	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14500	14550	0	0	-1	-1	-1	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed and existing levels similar. Concern for utility as proposed runs along pylon route.
14550	14600	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
14600	14650	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
14650	14700	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
14700	14750	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
14750	14800	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
14800	14850	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
14850	14900	0	0	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4	
14900	14950	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through collective group of pylons within the area
14950	15000	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through collective group of pylons within the area
15000	15050	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through collective group of pylons within the area
15050	15100	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-3	-6	Adjusted to suit. Proposed alignment going through collective group of pylons within the area
15100	15150	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-1	-1	-4	-6	Adjusted to suit. Proposed alignment going through collective group of pylons within the area
15150	15200	0	0	-1	-1	-1	0	0	0	0	0	0	-2	-1	-1	-4	-6	Adjusted to suit. Proposed alignment going through collective group of pylons within the area
15200	15250	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15250	15300	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15300	15350	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15350	15400	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15400	15450	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15450	15500	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-3	-3	
15500	15550	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15550	15600	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15600	15650	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15650	15700	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15700	15750	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2	

15750	15800	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-1	-2	-2			
15800	15850	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-5	-5		
15850	15900	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-5	-5		
15900	15950	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
15950	16000	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16000	16050	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16050	16100	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16100	16150	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-5	-5		
16150	16200	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-5	-5		
16200	16250	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-5	-5		
16250	16300	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16300	16350	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16350	16400	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16400	16450	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16450	16500	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16500	16550	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16550	16600	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16600	16650	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16650	16700	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-4	-4		
16700	16750	0	0	-1	-1	-1	0	0	0	0	0	0	-1	-3	0	-7	-7		
16750	16800	0	0	-1	-1	-1	0	0	0	0	0	-1	-3	-3	0	-7	-7		
16800	16850	0	0	-1	-1	-1	0	0	0	0	0	-1	-3	-3	0	-8	-8		
16850	16900	0	0	-1	-1	-1	-1	0	0	0	0	-3	0	-2	-3	0	-8	-8	
16900	16950	0	0	-1	-1	-1	-1	0	0	0	0	-3	0	-2	-3	0	-8	-8	
16950	17000	0	0	-1	-1	-1	-1	0	0	0	0	-3	0	-2	-3	0	-8	-8	
17000	17050	0	0	-1	-1	-1	-1	0	0	0	0	-3	0	-2	-3	0	-8	-8	
17050	17100	0	0	-1	-1	-1	-1	0	0	0	0	-3	0	0	0	0	-6	-6	
17100	17150	0	0	-1	-1	-1	-1	0	0	0	0	-3	0	0	0	0	-6	-6	
17150	17200	0	0	-1	-1	-1	-1	0	0	0	0	-3	0	0	0	0	-6	-6	
17200	17250	0	0	-1	-1	-1	-1	0	0	0	0	-3	0	0	0	0	-6	-6	
17250	17300	0	0	-1	-1	-1	-1	0	0	0	0	-3	0	0	-1	-3	0	-8	-8
17300	17350	0	0	-1	-1	-1	-1	0	0	0	0	-3	0	0	-1	-3	0	-7	-7
17350	17400	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17400	17450	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17450	17500	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17500	17550	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17550	17600	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17600	17650	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17650	17700	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17700	17750	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17750	17800	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-7	-7
17800	17850	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17850	17900	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17900	17950	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
17950	18000	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
18000	18050	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
18050	18100	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-6	-6
18100	18150	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-5	-5
18150	18200	0	-1	-1	-1	-1	-1	0	0	0	0	-3	0	0	-3	0	0	-5	-5
18200	18250	0	-1	-1	-1	-1	0	0	0	0	0	0	-3	0	0	-4	-4		
18250	18300	0	-1	-1	-1	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
18300	18350	0	-1	-1	-1	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
18350	18400	0	-1	-1	-1	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
18400	18450	0	-1	-1	-1	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
18450	18500	0	-1	-1	-1	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
18500	18550	0	-1	-1	-1	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
18550	18600	0	-1	-1	-1	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
18600	18650	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
18650	18700	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
18700	18750	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
18750	18800	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
18800	18850	0	0	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
18850	18900	0	0	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
18900	18950	0	0	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
18950	19000	0	0	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
19000	19050	0	0	-1	-1	-1	0	0	0	0	0	0	0	0	-3	-4	-4		
19050	19100	0	0	-1	-1	-1	0	0	0	0	0	0	0	0	-3	-4	-4		
19100	19150	0	0	-1	-1	-1	0	0	0	0	0	0	0	0	-3	-4	-4		
19150	19200	0	-1	-1	-1	-1	0	0	0	0	0	0	0	0	-3	-4	-4		
19200	19250	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
19250	19300	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
19300	19350	0	-1	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
19350	19400	0	0	-1	-1	-1	0	0	0	0	0	0	0	0	-3	-4	-4		
19400	19450	0	0	-1	-1	-1	0	0	0	0	0	0	-1	0	-3	-5	-5		
19450	19500	0	0	-1	-1	-1	0	0	0	0	0	0	0	0	-3	-4	-4		
19500	19550																		

0	Neutral	Criteria
-1	Slight Adverse	
-2	Moderate Adverse	
-3	Major Adverse	

Rules
Total Score

= Alignment Score (Average of E, F, G, H and I) + Geo Score + Structures Score + Flooding Score (Average of L, M and N) + Utilities score + Constructability Score (Minimum value of P&Q) = Total of 6 scores for 6 categories

Then if total < or equal to -9 then should be coloured red because this represents possibility of 3 reds or 4 ambers
If total is between -6 and -8 should be coloured amber since this could represent 2 reds or 3/4 ambers.
If total is between -3 and -5 sho

Change	Start Change	End Change	Alignment					Geotechnics	Structures	Flooding and Drainage			Utilities	Constructability	Score	Comments		
			Level Difference	Bendness	Hilliness	Earthworks	Geotechnics			Structures	Flood Plain	Watercourse Crossings					Attenuation requirement	Construction access
0	50	100	0	-1	-2	-1	0	0	-1	0	0	0	-3	0	-5	-5		
50	100	150	0	-1	-2	-1	0	0	-1	0	0	0	-3	0	-5	-5		
100	150	200	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
150	200	250	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
200	250	300	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
250	300	350	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
300	350	400	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
350	400	450	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
400	450	500	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
450	500	550	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
500	550	600	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
550	600	650	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
600	650	700	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
650	700	750	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
700	750	800	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
750	800	850	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
800	850	900	0	-1	-2	-1	0	-1	-1	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
850	900	950	0	-2	-2	-1	0	-1	0	0	0	0	-3	0	-5	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
900	950	1000	0	-2	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
950	1000	1050	0	-3	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1000	1050	1100	0	-3	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1050	1100	1150	0	-3	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1100	1150	1200	0	-3	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1150	1200	1250	0	-3	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1200	1250	1300	0	-3	-2	-1	0	-3	0	0	0	0	-3	0	-7	-7	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1250	1300	1350	0	-3	-2	-1	0	-3	0	0	0	0	-3	0	-7	-7	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1300	1350	1400	0	-3	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1350	1400	1450	0	-3	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1400	1450	1500	0	-3	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1450	1500	1550	0	-3	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1500	1550	1600	0	-3	-2	-1	0	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1550	1600	1650	0	-2	-2	-1	0	-2	0	0	0	-2	-3	0	-8	-8	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length	
1600	1650	1700	0	-2	-2	-1	0	-1	0	0	0	0	-2	-3	0	-7	-7	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length
1650	1700	1750	0	-1	-2	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length
1700	1750	1800	0	-1	-2	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length
1750	1800	1850	0	-1	-2	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length
1800	1850	1900	0	0	-2	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Proposed alignment going through hill with levels differences of up to 39m present along chainage length
1850	1900	1950	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
1900	1950	2000	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
1950	2000	2050	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
2000	2050	2100	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
2050	2100	2150	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
2100	2150	2200	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
2150	2200	2250	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
2200	2250	2300	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
2250	2300	2350	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
2300	2350	2400	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
2350	2400	2450	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
2400	2450	2500	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		
2450	2500	2550	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4		

2550	2600	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
2600	2650	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
2650	2700	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
2700	2750	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
2750	2800	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
2800	2850	0	0	-2	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Utility concern (high pressure gas mains) however proposed levels are above existing ground by several meters.	
2850	2900	0	-1	-2	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Utility concern (high pressure gas mains) however proposed levels are above existing ground by several meters.	
2900	2950	0	-1	-2	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Utility concern (high pressure gas mains) however proposed levels are above existing ground by several meters.	
2950	3000	0	-1	-2	-1	0	0	0	0	0	0	-2	-3	0	-6	-6	Adjusted to suit. Utility concern (high pressure gas mains) however proposed levels are above existing ground by several meters.	
3000	3050	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-1	-4	-6	Adjusted to suit. Utility concern (high pressure gas mains) however proposed levels are above existing ground by several meters.	
3050	3100	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-1	-4	-6	Adjusted to suit. Utility concern (high pressure gas mains) however proposed levels are above existing ground by several meters.	
3100	3150	0	0	-2	-1	0	0	0	0	0	0	-2	-1	-1	-4	-6	Adjusted to suit. Utility concern (high pressure gas mains) however proposed levels are above existing ground by several meters.	
3150	3200	0	0	-2	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2		
3200	3250	0	0	-2	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2		
3250	3300	0	0	-2	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2		
3300	3350	0	-1	-2	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2		
3350	3400	0	-1	-2	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2		
3400	3450	0	-1	-2	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2		
3450	3500	0	-1	-2	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2		
3500	3550	0	-1	-2	-1	0	0	0	0	0	0	-1	-1	-1	-2	-2		
3550	3600	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
3600	3650	0	-1	-2	-1	0	-3	0	0	0	0	-3	0	-7	-7		Proposed alignment level difference, up to 6m, compared to existing ground meaning embankments on peat	
3650	3700	0	-1	-2	-1	0	-3	0	0	0	0	-3	0	-7	-7		Proposed alignment level difference, up to 6m, compared to existing ground meaning embankments on peat	
3700	3750	0	-1	-2	-1	0	-3	0	0	0	0	-3	0	-7	-7		Proposed alignment level difference, up to 6m, compared to existing ground meaning embankments on peat	
3750	3800	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
3800	3850	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
3850	3900	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
3900	3950	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
3950	4000	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
4000	4050	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
4050	4100	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
4100	4150	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
4150	4200	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
4200	4250	0	0	-2	-1	0	-1	0	0	0	0	-3	0	-5	-5			
4250	4300	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
4300	4350	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
4350	4400	0	-1	-2	-1	0	-1	0	0	0	0	-3	0	-5	-5			
4400	4450	0	-2	-2	-1	0	-1	0	0	0	0	-3	0	-5	-5			
4450	4500	0	-2	-2	-1	0	-1	0	0	0	0	-3	0	-5	-5			
4500	4550	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
4550	4600	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
4600	4650	0	-2	-2	-1	0	-1	0	0	0	0	-3	-2	-1	-7	-7	Proposed alignment in deep cutting, up to 15m, with utility concern present (SGN gas mains)	
4650	4700	0	-2	-2	-1	0	-1	0	0	0	0	-3	-2	-1	-7	-7	Proposed alignment in deep cutting, up to 15m, with utility concern present (SGN gas mains)	
4700	4750	0	-2	-2	-1	0	-1	0	0	0	0	-3	-2	-1	-7	-7	Proposed alignment in deep cutting, up to 15m, with utility concern present (SGN gas mains)	
4750	4800	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
4800	4850	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
4850	4900	0	-2	-2	-1	0	-1	0	0	0	0	-1	-2	-1	-5	-5		
4900	4950	0	-2	-2	-1	0	-1	0	0	0	0	-1	-2	-1	-5	-5		
4950	5000	0	-2	-2	-1	0	-1	0	0	0	0	-1	-2	-1	-5	-5		
5000	5050	0	-2	-2	-1	0	-1	0	0	0	0	-1	-2	-1	-5	-5		
5050	5100	0	-2	-2	-1	0	0	0	0	0	0	-1	-2	-1	-4	-4		
5100	5150	0	-1	-2	-1	0	0	0	0	0	0	-1	-2	-1	-4	-4		
5150	5200	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
5200	5250	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
5250	5300	0	0	-2	-1	0	0	0	0	0	0	-1	-2	-1	-4	-4		
5300	5350	0	-1	-2	-1	0	0	0	0	0	0	-1	-2	-1	-4	-4		
5350	5400	0	-1	-2	-1	0	0	0	0	0	0	-1	-2	-1	-4	-4		
5400	5450	0	-1	-2	-1	0	0	0	0	0	0	-1	-2	-1	-4	-4		
5450	5500	0	-1	-2	-1	0	0	0	0	0	0	-1	-2	-1	-4	-4		
5500	5550	0	-1	-2	-1	0	0	0	0	0	0	-1	-2	-1	-4	-4		
5550	5600	0	-1	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
5600	5650	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
5650	5700	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
5700	5750	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
5750	5800	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
5800	5850	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
5850	5900	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
5900	5950	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
5950	6000	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
6000	6050	0	-2	-2	-1	0	-1	0	0	0	0	-2	-1	-4	-4			
6050	6100	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
6100	6150	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
6150	6200	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
6200	6250	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
6250	6300	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
6300	6350	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
6350	6400	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
6400	6450	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
6450	6500	0	-1	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
6500	6550	0	0	-2	-1	0	0	0	0	0	0	-2	-1	-3	-3			
6550	6600	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
6600	6650	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
6650	6700	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
6700	6750	0	-1	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
6750	6800	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
6800	6850	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			
6850	6900	0	0	-2	-1	0	0	0	0	0	0	-3	0	-4	-4			

6900	6950	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
6950	7000	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
7000	7050	0	-2	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
7050	7100	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
7100	7150	0	0	-2	-1	0	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed alignment in deep cutting, up to 12m, with utility (National grid pipeline) crossing - Geotechnics being of concern over this chainage length due to non identified constraints
7150	7200	0	-1	-2	-1	0	0	0	0	0	0	0	-3	-3	0	-7	-7	Proposed alignment in deep cutting, up to 12m, with utility (National grid pipeline) crossing - Geotechnics being of concern over this chainage length due to non identified constraints
7200	7250	0	-1	-2	-1	0	-1	0	0	0	0	0	-3	-3	0	-8	-8	Proposed alignment in deep cutting, up to 12m, with utility (National grid pipeline) crossing - Geotechnics being of concern over this chainage length due to non identified constraints
7250	7300	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	-3	0	-8	-8	Proposed alignment in deep cutting, up to 12m, with utility (National grid pipeline) crossing - Geotechnics being of concern over this chainage length due to non identified constraints
7300	7350	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	-3	0	-8	-8	Proposed alignment in deep cutting, up to 12m, with utility (National grid pipeline) crossing - Geotechnics being of concern over this chainage length due to non identified constraints
7350	7400	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	-3	0	-8	-8	Proposed alignment in deep cutting, up to 12m, with utility (National grid pipeline) crossing - Geotechnics being of concern over this chainage length due to non identified constraints
7400	7450	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	0	-5	-5		
7450	7500	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	0	-5	-5		
7500	7550	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	0	-5	-5		
7550	7600	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
7600	7650	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
7650	7700	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
7700	7750	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
7750	7800	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
7800	7850	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
7850	7900	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
7900	7950	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
7950	8000	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
8000	8050	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
8050	8100	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
8100	8150	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
8150	8200	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
8200	8250	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
8250	8300	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
8300	8350	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
8350	8400	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
8400	8450	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
8450	8500	0	-1	-2	-1	0	-1	0	0	0	0	0	-1	-1	-3	-3		
8500	8550	0	-2	-2	-1	0	-1	0	0	0	0	0	-1	-1	-3	-3		
8550	8600	0	-2	-2	-1	0	-1	0	0	0	0	0	-2	-1	-4	-4	Adjusted to suit. Structure required to cross valley with level differences of up 27m at deepest point. Flood plain present within chainage length & soil potentially compressible	
8600	8650	0	-3	-2	-1	0	-3	-2	0	0	0	0	-2	-1	-8	-9	Adjusted to suit. Structure required to cross valley with level differences of up 27m at deepest point. Flood plain present within chainage length & soil potentially compressible	
8650	8700	0	-3	-2	-1	0	-3	-2	-3	0	0	0	-2	-1	-9	-9	Adjusted to suit. Structure required to cross valley with level differences of up 27m at deepest point. Flood plain present within chainage length & soil potentially compressible	
8700	8750	0	-3	-2	-1	0	-3	-2	-3	0	0	0	-2	-1	-9	-9	Adjusted to suit. Structure required to cross valley with level differences of up 27m at deepest point. Flood plain present within chainage length & soil potentially compressible	
8750	8800	0	-3	-2	-1	0	-1	-2	-3	0	0	0	-2	-1	-7	-7	Adjusted to suit. Structure required to cross valley with level differences of up 27m at deepest point. Flood plain present within chainage length & soil potentially compressible	
8800	8850	0	-2	-2	-1	0	-1	-2	0	0	0	0	-2	-1	-6	-6	Adjusted to suit. Structure required to cross valley with level differences of up 27m at deepest point. Flood plain present within chainage length & soil potentially compressible	
8850	8900	0	-1	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
8900	8950	0	-1	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
8950	9000	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
9000	9050	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
9050	9100	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9100	9150	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9150	9200	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9200	9250	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9250	9300	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9300	9350	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9350	9400	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9400	9450	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9450	9500	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9500	9550	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9550	9600	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9600	9650	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9650	9700	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9700	9750	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9750	9800	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	-4	-4		
9800	9850	0	0	-2	-1	0	0	0	0	0	0	0	-2	-2	-1	-5	-6	Adjusted to suit. 275WV crossing with proposed road levels approximately similar to that of existing at this chainage
9850	9900	0	0	-2	-1	0	0	0	0	0	0	0	-2	-2	-1	-3	-3	
9900	9950	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
9950	10000	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10000	10050	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10050	10100	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10100	10150	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10150	10200	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10200	10250	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10250	10300	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10300	10350	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10350	10400	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10400	10450	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10450	10500	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10500	10550	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-3	-3		
10550	10600	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
10600	10650	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
10650	10700	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
10700	10750	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		
10750	10800	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-2	-2		

10800	10850	0	0	-2	-1	0	0	0	0	0	0	0	0	-1	-1	-2	-2	
10850	10900	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-4	-4	300mm distribution main crossing proposed alignment with level difference approximately 0.5m
10900	10950	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
10950	11000	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
11000	11050	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
11050	11100	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
11100	11150	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
11150	11200	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
11200	11250	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
11250	11300	0	0	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
11300	11350	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
11350	11400	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
11400	11450	0	-1	-2	-1	0	-1	0	0	0	0	0	-2	-3	0	-7	-5	Adjusted to suit. Proposed alignment crossing SGN high pressure gas mains with level differences of up to 12m
11450	11500	0	-1	-2	-1	0	-1	0	0	0	0	0	-1	-3	0	-6	-5	Adjusted to suit. High voltage line present. Potentially compressible soil
11500	11550	0	-1	-2	-1	0	-1	0	0	0	0	0	-1	-3	0	-6	-5	Adjusted to suit. High voltage line present. Made ground
11550	11600	0	-1	-2	-1	0	-1	0	0	0	0	0	-1	-3	0	-6	-5	Adjusted to suit. High voltage line present. Made ground
11600	11650	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	0	0	-5	-5	
11650	11700	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	0	0	-5	-5	
11700	11750	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	0	0	-5	-5	
11750	11800	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	0	0	-5	-5	
11800	11850	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	0	0	-5	-5	
11850	11900	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	0	0	-5	-5	
11900	11950	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
11950	12000	0	-1	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
12000	12050	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
12050	12100	0	-1	-2	-1	0	-1	0	0	0	0	0	-3	0	0	-5	-5	
12100	12150	0	-2	-2	-1	0	-1	0	0	0	0	0	-3	0	0	-5	-5	
12150	12200	0	-2	-2	-1	0	-1	0	0	0	0	0	-1	-3	0	-6	-6	Proposed alignment in cutting of depths up to 9m with utility present (high voltage line & telecoms mast)
12200	12250	0	-1	-2	-1	0	-1	0	0	0	0	0	-2	-3	0	-7	-7	Proposed alignment in cutting of depths up to 9m with utility present (high voltage line & telecoms mast)
12250	12300	0	-1	-2	-1	0	-1	0	0	0	0	0	-1	-3	0	-6	-6	Proposed alignment in cutting of depths up to 9m with utility present (high voltage line & telecoms mast)
12300	12350	0	-1	-2	-1	0	-1	0	0	0	0	0	-1	-3	0	-6	-6	Proposed alignment in cutting of depths up to 9m with utility present (high voltage line & telecoms mast)
12350	12400	0	-1	-2	-1	0	-1	-1	0	0	0	0	-1	-3	0	-7	-7	Proposed alignment in cutting of depths up to 9m with utility present (high voltage line & telecoms mast)
12400	12450	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-3	0	-5	-5	
12450	12500	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-3	0	-5	-5	
12500	12550	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-3	0	-5	-5	
12550	12600	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-3	0	-5	-5	
12600	12650	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-3	0	-5	-5	
12650	12700	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-3	0	-5	-5	
12700	12750	0	0	-2	-1	0	0	0	0	0	0	0	-1	-3	0	-5	-5	
12750	12800	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
12800	12850	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
12850	12900	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
12900	12950	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
12950	13000	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
13000	13050	0	0	-2	-1	0	0	0	0	0	0	0	-3	0	0	-4	-4	
13050	13100	0	0	-2	-1	0	0	0	0	0	0	0	-1	-2	-1	-4	-4	
13100	13150	0	0	-2	-1	0	0	0	0	0	0	0	-1	-2	-1	-4	-4	
13150	13200	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13200	13250	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13250	13300	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13300	13350	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13350	13400	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13400	13450	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13450	13500	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13500	13550	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13550	13600	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13600	13650	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13650	13700	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13700	13750	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13750	13800	0	0	-2	-1	0	0	0	0	0	0	0	-2	-2	-1	-5	-6	275kV crossing with proposed alignment levels 2m below existing along chainage length
13800	13850	0	-1	-2	-1	0	0	0	0	0	0	0	-2	-2	-1	-5	-6	275kV crossing with proposed alignment levels 2m below existing along chainage length
13850	13900	0	-1	-2	-1	0	0	0	0	0	0	0	-2	-2	-1	-3	-3	
13900	13950	0	-1	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
13950	14000	0	0	-2	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
14000	14050	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
14050	14100	0	-1	-2	-1	0	-1	0	0	0	0	0	-1	-1	-1	-3	-3	
14100	14150	0	-2	-2	-1	0	-1	0	0	0	0	0	-1	-1	-1	-3	-3	
14150	14200	0	-2	-2	-1	0	-1	0	0	0	0	0	-1	-1	-1	-3	-3	
14200	14250	0	-2	-2	-1	0	-1	0	0	0	0	0	-1	-1	-1	-3	-3	
14250	14300	0	-2	-2	-1	0	-1	0	0	0	0	0	-1	-1	-1	-3	-3	
14300	14350	0	-2	-2	-1	0	-1	0	0	0	0	0	-1	-1	-1	-3	-3	
14350	14400	0	-2	-2	-1	0	-1	0	0	0	0	0	-1	-1	-1	-3	-3	
14400	14450	0	-2	-2	-1	0	-1	0	0	0	0	0	-1	-1	-1	-3	-3	
14450	14500	0	-2	-2	-1	0	-1	0	0	0	0	0	-1	-1	-1	-3	-3	
14500	14550	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
14550	14600	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
14600	14650	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
14650	14700	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
14700	14750	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
14750	14800	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
14800	14850	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
14850	14900	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
14900	14950	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
14950	15000	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15000	15050	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15050	15100	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
15100	15150	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
15150	15200	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
15200	15250	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
15250	15300	0	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	

0	Neutral	Criteria
-1	Slight Adverse	
-2	Moderate Adverse	
-3	Major Adverse	

Rules
Total Score

= Alignment Score (Average of E, F, G, H and I) + Geo Score + Structures Score + Flooding Score (Average of L, M and N) + Utilities score + Constructability Score (Minimum value of P&Q) = Total of 6 scores for 6 categories

Then if total < or equal to -9 then should be coloured red because this represents possibility of 3 reds or 4 ambers
If total is between -6 and -8 should be coloured amber since this could represent 2 reds or 3/4 ambers.
If total is between -3 and -5 sho

Chainage	Start Chainage	End Chainage	Alignment	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Score		Comments
																Adjusted	Total	
0	50		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
50	100		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
100	150		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
150	200		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
200	250		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
250	300		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
300	350		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
350	400		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
400	450		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
450	500		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
500	550		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
550	600		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
600	650		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
650	700		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
700	750		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
750	800		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
800	850		-1	-1	0	-1	-3	0	-1	0	0	0		-3	0	-5	-6	Adjusted to suit. Minor structure required
850	900		-1	-1	0	-1	-3	-1	-1	0	0	0		-3	0	-6	-6	Adjusted to suit. Minor structure required
900	950		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
950	1000		-1	-2	0	-1	-3	-2	0	0	0	0		-3	0	-6	-6	Major cutting within chainage length for proposed alignment with level differences up to 29m
1000	1050		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1050	1100		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1100	1150		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1150	1200		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1200	1250		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1250	1300		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1300	1350		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1350	1400		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1400	1450		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1450	1500		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1500	1550		-1	-3	0	-1	-3	-2	0	0	0	0		-3	0	-7	-7	Major cutting within chainage length for proposed alignment with level differences up to 29m
1550	1600		-1	-3	0	-1	-3	-1	0	0	0	0		-3	0	-6	-6	Major cutting within chainage length for proposed alignment with level differences up to 29m
1600	1650		-1	-2	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
1650	1700		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
1700	1750		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
1750	1800		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
1800	1850		-1	-1	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
1850	1900		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
1900	1950		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
1950	2000		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
2000	2050		-1	-2	0	-1	-3	-1	0	0	0	0	-1	-3	0	-6	-5	Adjusted to suit. Proposed alignment level difference up to 6m from existing with raw water main present
2050	2100		-1	-2	0	-1	-3	-1	0	0	0	0	-1	-3	0	-6	-5	Adjusted to suit. Proposed alignment level difference up to 6m from existing with raw water main present
2100	2150		-1	-1	0	-1	-3	0	0	0	0	0	-1	-3	0	-5	-5	
2150	2200		-1	-1	0	-1	-3	0	0	0	0	0	-1	-3	0	-5	-5	
2200	2250		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
2250	2300		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
2300	2350		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
2350	2400		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
2400	2450		-1	0	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
2450	2500		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
2500	2550		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
2550	2600		-1	-1	0	-1	-3	0	0	0	0	0		-3	0	-4	-4	
2600	2650		-1	-1	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
2650	2700		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
2700	2750		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
2750	2800		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
2800	2850		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
2850	2900		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
2900	2950		-1	-2	0	-1	-3	-2	0	0	0	0		-3	0	-6	-6	Proposed alignment in cutting, up to 16m in depth, through non compressible soils
2950	3000		-1	-2	0	-1	-3	-2	0	0	0	0		-3	0	-6	-6	Proposed alignment in cutting, up to 16m in depth, through non compressible soils
3000	3050		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
3050	3100		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
3100	3150		-1	-2	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	
3150	3200		-1	-1	0	-1	-3	-1	0	0	0	0		-3	0	-5	-5	

3200	3250	-1	-1	0	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	
3250	3300	-1	0	0	-1	-3	-1	0	0	0	0	-1	-3	0	-6	-6	Raw water main and high compressible soils present. Proposed levels roughly same as existing
3300	3350	-1	-1	0	-1	-3	0	0	0	0	0	-1	-3	0	-5	-5	
3350	3400	-1	-1	0	-1	-3	0	0	0	0	0	-1	-3	0	-5	-5	
3400	3450	-1	-1	0	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	
3450	3500	-1	-2	0	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	
3500	3550	-1	-2	0	-1	-3	-1	0	0	0	0	0	-1	-1	-3	-3	
3550	3600	-1	-2	0	-1	-3	-1	0	0	0	0	0	-1	-1	-3	-3	
3600	3650	-1	-2	0	-1	-3	-1	0	0	0	0	0	-1	-1	-3	-3	
3650	3700	-1	-2	0	-1	-3	-1	0	0	0	0	0	-1	-1	-3	-3	
3700	3750	-1	-2	0	-1	-3	-1	0	0	0	0	0	-1	-1	-3	-3	
3750	3800	-1	-2	0	-1	-3	-1	0	0	0	0	0	-1	-1	-3	-3	
3800	3850	-1	-2	0	-1	-3	-1	0	0	0	0	0	-1	-1	-3	-3	
3850	3900	-1	-2	0	-1	-3	-1	0	0	0	0	0	-1	-1	-3	-3	
3900	3950	-1	-2	0	-1	-3	-1	0	0	0	0	0	-1	-1	-3	-3	
3950	4000	-1	-2	0	-1	-3	-1	0	0	0	0	0	-1	-1	-3	-3	
4000	4050	-1	-1	0	-1	-3	0	-1	0	0	0	0	-1	-1	-3	-3	
4050	4100	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
4100	4150	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
4150	4200	-1	-1	0	-1	-3	0	0	0	0	0	0	-1	-2	-1	-4	-4
4200	4250	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
4250	4300	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
4300	4350	-1	-1	0	-1	-3	0	0	0	0	0	0	-1	-2	-1	-4	-4
4350	4400	-1	-1	0	-1	-3	0	0	0	0	0	-1	-2	-1	-4	-4	
4400	4450	-1	-1	0	-1	-3	0	0	0	0	0	-1	-2	-1	-4	-4	
4450	4500	-1	-1	0	-1	-3	0	0	0	0	0	-1	-2	-1	-4	-4	
4500	4550	-1	-1	0	-1	-3	0	0	0	0	0	-1	-2	-1	-4	-4	
4550	4600	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
4600	4650	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
4650	4700	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
4700	4750	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
4750	4800	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
4800	4850	-1	0	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
4850	4900	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
4900	4950	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
4950	5000	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5000	5050	-1	0	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5050	5100	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5100	5150	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5150	5200	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5200	5250	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5250	5300	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5300	5350	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5350	5400	-1	0	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5400	5450	-1	0	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5450	5500	-1	0	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5500	5550	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5550	5600	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5600	5650	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5650	5700	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5700	5750	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5750	5800	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5800	5850	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
5850	5900	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
5900	5950	-1	-1	0	-1	-3	0	-1	0	0	0	0	-2	-1	-4	-4	
5950	6000	-1	-1	0	-1	-3	0	-1	0	0	0	0	-2	-1	-4	-4	
6000	6050	-1	-1	0	-1	-3	0	-1	0	0	0	0	-2	-1	-4	-4	
6050	6100	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6100	6150	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6150	6200	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6200	6250	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6250	6300	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6300	6350	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6350	6400	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6400	6450	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6450	6500	-1	0	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6500	6550	-1	0	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6550	6600	-1	0	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6600	6650	-1	0	0	-1	-3	-1	0	0	0	0	0	-2	-1	-4	-4	
6650	6700	-1	0	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6700	6750	-1	0	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
6750	6800	-1	0	0	-1	-3	0	0	0	0	0	0	-2	-1	-5	-5	
6800	6850	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-2	-1	-5	-5
6850	6900	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-2	-1	-5	-5
6900	6950	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-2	-1	-5	-5
6950	7000	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
7000	7050	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
7050	7100	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
7100	7150	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
7150	7200	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
7200	7250	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
7250	7300	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
7300	7350	-1	0	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
7350	7400	-1	0	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
7400	7450	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
7450	7500	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
7500	7550	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
7550	7600	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
7600	7650	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
7650	7700	-1	-1	0</													

7800	7850	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-7	-7	Utility main concern (national grid pipeline crossing) with proposed levels and existing under a metre difference.
7850	7900	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-7	-7	Utility main concern (national grid pipeline crossing) with proposed levels and existing under a metre difference.
7900	7950	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
7950	8000	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8000	8050	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8050	8100	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8100	8150	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8150	8200	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8200	8250	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8250	8300	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8300	8350	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8350	8400	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2	
8400	8450	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2	
8450	8500	-1	0	0	-1	-3	0	-1	0	0	0	-1	-1	-1	-4	-4	
8500	8550	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-1	-3	-3	
8550	8600	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2	
8600	8650	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2	
8650	8700	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2	
8700	8750	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2	
8750	8800	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2	
8800	8850	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8850	8900	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8900	8950	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
8950	9000	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
9000	9050	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
9050	9100	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
9100	9150	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
9150	9200	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
9200	9250	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
9250	9300	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
9300	9350	-1	-1	0	-1	-3	-1	-3	0	0	0	-3	-3	0	-8	-8	Proposed alignment crossing valley along with river Don over this span of chainage length required a structure due to level differences of up to 33m
9350	9400	-1	-2	0	-1	-3	-2	-3	0	0	0	-3	-3	0	-9	-9	Proposed alignment crossing valley along with river Don over this span of chainage length required a structure due to level differences of up to 33m
9400	9450	-1	-3	0	-1	-3	-3	-3	0	0	0	-3	-3	0	-11	-11	Proposed alignment crossing valley along with river Don over this span of chainage length required a structure due to level differences of up to 33m
9450	9500	-1	-3	0	-1	-3	-3	-3	0	0	0	-3	-3	0	-12	-12	Proposed alignment crossing valley along with river Don over this span of chainage length required a structure due to level differences of up to 33m
9500	9550	-1	-3	0	-1	-3	-3	-3	0	0	0	-3	-3	0	-12	-12	Proposed alignment crossing valley along with river Don over this span of chainage length required a structure due to level differences of up to 33m
9550	9600	-1	-3	0	-1	-3	-3	-3	0	0	0	-2	-1	-11	-11	Proposed alignment crossing valley along with river Don over this span of chainage length required a structure due to level differences of up to 33m	
9600	9650	-1	-3	0	-1	-3	-2	-3	0	0	0	-2	-1	-9	-9	Proposed alignment crossing valley along with river Don over this span of chainage length required a structure due to level differences of up to 33m	
9650	9700	-1	-3	0	-1	-3	-2	-3	0	0	0	-2	-1	-9	-9	Proposed alignment crossing valley along with river Don over this span of chainage length required a structure due to level differences of up to 33m	
9700	9750	-1	-2	0	-1	-3	-1	0	0	0	0	-2	-1	-4	-4		
9750	9800	-1	-2	0	-1	-3	-1	0	0	0	0	-2	-1	-4	-4		
9800	9850	-1	-2	0	-1	-3	-1	0	0	0	0	-2	-1	-4	-4		
9850	9900	-1	-2	0	-1	-3	-1	0	0	0	0	-2	-1	-4	-4		
9900	9950	-1	-1	0	-1	-3	-1	0	0	0	0	-2	-1	-4	-4		
9950	10000	-1	-1	0	-1	-3	-1	0	0	0	0	-1	-2	-1	-5	-5	
10000	10050	-1	-1	0	-1	-3	-1	0	0	0	0	-2	-1	-4	-4		
10050	10100	-1	-1	0	-1	-3	-1	0	0	0	0	-3	-3	0	-5	-5	
10100	10150	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
10150	10200	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
10200	10250	-1	-1	0	-1	-3	-2	0	0	0	0	-3	-3	0	-6	-6	Geotechnics raised concern due to embankment on peat
10250	10300	-1	-1	0	-1	-3	-2	0	0	0	0	-3	-3	0	-6	-6	Geotechnics raised concern due to embankment on peat
10300	10350	-1	0	0	-1	-3	-2	0	0	0	0	-3	-3	0	-6	-6	Geotechnics raised concern due to embankment on peat
10350	10400	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
10400	10450	-1	0	0	-1	-3	0	-1	0	0	0	-3	-3	0	-5	-5	
10450	10500	-1	0	0	-1	-3	-1	0	0	0	0	-1	-3	0	-6	-6	Embankment on compressible soils, flood plain present also within chainage length
10500	10550	-1	0	0	-1	-3	-1	0	-3	0	0	-1	-3	0	-7	-7	Embankment on compressible soils, flood plain present also within chainage length
10550	10600	-1	-1	0	-1	-3	-1	0	-3	0	0	-3	-3	0	-6	-6	Embankment on compressible soils, flood plain present also within chainage length
10600	10650	-1	-1	0	-1	-3	-1	0	0	0	0	-3	-3	0	-5	-5	
10650	10700	-1	-1	0	-1	-3	-1	0	0	0	0	-3	-3	0	-5	-5	
10700	10750	-1	-1	0	-1	-3	-1	0	0	0	0	-3	-3	0	-5	-5	
10750	10800	-1	-1	0	-1	-3	-1	0	0	0	0	-3	-3	0	-5	-5	
10800	10850	-1	-1	0	-1	-3	-1	0	0	0	0	-1	-1	-1	-3	-3	
10850	10900	-1	-1	0	-1	-3	-1	0	0	0	0	-1	-1	-1	-4	-4	Adjusted to suit. Crossing of B993 & distribution main present along chainage length.
10900	10950	-1	-1	0	-1	-3	-1	-1	0	0	0	-2	-1	-1	-6	-6	Adjusted to suit. Crossing of B993 & distribution main present along chainage length.
10950	11000	-1	-2	0	-1	-3	-1	0	0	0	0	-2	-1	-1	-5	-6	Adjusted to suit. Crossing of B993 & distribution main present along chainage length.
11000	11050	-1	-2	0	-1	-3	-1	0	0	0	0	-1	-1	-1	-3	-3	
11050	11100	-1	-2	0	-1	-3	-1	0	0	0	0	-1	-1	-1	-3	-3	
11100	11150	-1	-2	0	-1	-3	-1	0	0	0	0	-1	-1	-1	-3	-3	
11150	11200	-1	-2	0	-1	-3	-1	0	0	0	0	-1	-1	-1	-3	-3	
11200	11250	-1	-2	0	-1	-3	-1	0	0	0	0	-1	-1	-1	-3	-3	
11250	11300	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2	
11300	11350	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
11350	11400	-1	-1	0	-1	-3	0	0	0	0	0	-2	-3	0	-6	-5	Adjusted to suit. SGN high pressure pipe present along proposed alignment at this chainage length. Level difference of up to 9m
11400	11450	-1	-1	0	-1	-3	0	0	0	0	0	-2	-3	0	-6	-5	Adjusted to suit. SGN high pressure pipe present along proposed alignment at this chainage length. Level difference of up to 9m
11450	11500	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
11500	11550	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
11550	11600	-1	-1	0	-1	-3	0	0	0	0	0	-2	-3	0	-6	-5	Adjusted to suit. Proposed levels over 8m difference to existing with utility concern being that of pylon within 100m
11600	11650	-1	-1	0	-1	-3	0	0	0	0	0	-3	-3	0	-4	-4	
11650	11700	-1	-1	0	-1	-3	0	0	0	0	0	-2	-3	0	-6	-6	Proposed alignment in vicinity of pylons along chainage length
11700	11750	-1	-1	0	-1	-3	0	0	0	0	0	-2	-3	0	-6	-6	Proposed alignment in vicinity of pylons along chainage length
11750	11800	-1	-1	0	-1	-3	0	0	0	0	0	-2	-3	0	-6	-6	Proposed alignment in vicinity of pylons along chainage length
11800	11850	-1	-1	0	-1	-3	0	0	0	0	0	-2	-3	0	-6	-6	Proposed alignment in vicinity of pylons along chainage length
11850	11900	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2	
11900	11950	-1	0	0	-1	-3	0	0	0	0	0	-2	-1	-1	-4	-4	Pylon within 100m of proposed alignment

11950	12000	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12000	12050	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12050	12100	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12100	12150	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12150	12200	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12200	12250	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12250	12300	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12300	12350	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12350	12400	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12400	12450	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12450	12500	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12500	12550	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12550	12600	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12600	12650	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12650	12700	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12700	12750	-1	0	0	-1	-3	0	0	0	0	0	-1	-1	-2	-2	
12750	12800	-1	0	0	-1	-3	0	0	0	0	0	-1	-2	-1	-4	-4
12800	12850	-1	0	0	-1	-3	0	0	0	0	0	-1	-2	-1	-4	-4
12850	12900	-1	0	0	-1	-3	0	0	0	0	0	-2	-1	-3	-3	
12900	12950	-1	0	0	-1	-3	0	0	0	0	0	-2	-1	-3	-3	
12950	13000	-1	0	0	-1	-3	0	0	0	0	0	-2	-1	-3	-3	
13000	13050	-1	0	0	-1	-3	0	0	0	0	0	-2	-1	-3	-3	
13050	13100	-1	0	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13100	13150	-1	0	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13150	13200	-1	0	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13200	13250	-1	0	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13250	13300	-1	0	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13300	13350	-1	0	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13350	13400	-1	0	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13400	13450	-1	0	0	-1	-3	0	0	0	0	0	-1	-3	0	-5	-5
13450	13500	-1	0	0	-1	-3	0	0	0	0	0	-2	-3	0	-6	-6
13500	13550	-1	-1	0	-1	-3	0	0	0	0	0	-2	-3	0	-6	-6
13550	13600	-1	-1	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13600	13650	-1	-1	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13650	13700	-1	0	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13700	13750	-1	-1	0	-1	-3	0	0	0	0	0	-3	0	-4	-4	
13750	13800															Adjusted to suil. Proposed alignment up to 17m level difference from existing ground with compressible soils at one location & the rest throughout the chainage length non-identified
13800	13850	-1	-1	0	-1	-3	-1	0	0	0	0	-3	0	-5	-6	Adjusted to suil. Proposed alignment up to 17m level difference from existing ground with compressible soils at one location & the rest throughout the chainage length non-identified
13850	13900	-1	-2	0	-1	-3	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suil. Proposed alignment up to 17m level difference from existing ground with compressible soils at one location & the rest throughout the chainage length non-identified
13900	13950	-1	-2	0	-1	-3	-2	0	0	0	0	-3	0	-6	-6	Adjusted to suil. Proposed alignment up to 17m level difference from existing ground with compressible soils at one location & the rest throughout the chainage length non-identified
13950	14000	-1	-2	0	-1	-3	-1	0	0	0	0	-3	0	-5	-6	Adjusted to suil. Proposed alignment up to 17m level difference from existing ground with compressible soils at one location & the rest throughout the chainage length non-identified
14000	14050	-1	-2	0	-1	-3	-1	0	0	0	0	-3	0	-5	-6	Adjusted to suil. Proposed alignment up to 17m level difference from existing ground with compressible soils at one location & the rest throughout the chainage length non-identified
14050	14100	-1	-2	0	-1	-3	-1	0	0	0	0	-1	-1	-3	-3	
14100	14150	-1	-2	0	-1	-3	-1	0	0	0	0	-1	-1	-3	-3	
14150	14200	-1	-2	0	-1	-3	-1	0	0	0	0	-1	-1	-1	-3	-3
14200	14250	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-3	-3
14250	14300	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-3	-3
14300	14350	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2
14350	14400	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2
14400	14450	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2
14450	14500	-1	-1	0	-1	-3	0	0	0	0	0	-2	-1	-1	-5	-5
14500	14550	-1	-1	0	-1	-3	0	0	0	0	0	-2	-1	-1	-4	-4
14550	14600	-1	-1	0	-1	-3	0	0	0	0	0	-2	-1	-1	-4	-4
14600	14650	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2
14650	14700	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2
14700	14750	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-2	-2
14750	14800	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-3	-3
14800	14850	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-3	-3
14850	14900	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-3	-3
14900	14950	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-3	-3
14950	15000	-1	-1	0	-1	-3	0	0	0	0	0	-1	-1	-1	-3	-3
15000	15050															High pressure pipeline still present along chainage length with proposed alignment levels varying between 7m above existing to being equal
15050	15100	-1	-1	0	-1	-3	0	0	0	0	0	-3	-1	-1	-5	-6
15100	15150	-1	-1	0	-1	-3	0	0	0	0	0	-3	-1	-1	-5	-6
15150	15200	-1	-1	0	-1	-3	0	0	0	0	0	-3	-1	-1	-5	-6
15200	15250	-1	-1	0	-1	-3	0	0	0	0	0	-3	-1	-1	-5	-6
15250	15300	-1	-1	0	-1	-3	-1	0	0	0	0	-3	-1	-1	-6	-6
15300	15350	-1	0	0	-1	-3	-1	-1	0	0	0	-3	-3	0	-9	-9
15350	15400	-1	0	0	-1	-3	-1	-1	0	0	0	-3	-3	0	-9	-9
15400	15450	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-7	-7
15450	15500	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-7	-7
15500	15550	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-7	-7
15550	15600	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-7	-7
15600	15650	-1	0	0	-1	-3	0	0	0	0	0	-3	-3	0	-7	-7
15650	15700	-1	0	0	-1	-3	0	0	0	0	0	-2	-3	0	-6	-6

15700	15750	-1	0	0	-1	-3	0	0	0	0	0	0	-2	-3	0	-5	-6	High pressure pipeline still present along chainage length with proposed alignment levels varying between 7m above existing to being equal
15750	15800	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
15800	15850	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
15850	15900	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
15900	15950	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
15950	16000	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16000	16050	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16050	16100	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16100	16150	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16150	16200	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16200	16250	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16250	16300	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16300	16350	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16350	16400	-1	0	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16400	16450	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16450	16500	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16500	16550	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16550	16600	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16600	16650	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16650	16700	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16700	16750	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16750	16800	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16800	16850	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	-3	0	-4	-4	
16850	16900	-1	-1	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
16900	16950	-1	-1	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
16950	17000	-1	-1	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17000	17050	-1	-1	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17050	17100	-1	-1	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17100	17150	-1	-1	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17150	17200	-1	-1	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17200	17250	-1	-1	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17250	17300	-1	-1	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17300	17350	-1	0	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17350	17400	-1	0	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17400	17450	-1	0	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17450	17500	-1	0	0	-1	-3	0	0	0	0	0	0	0	-3	-4	-4		
17500	17550	-1	0	0	-1	-3	0	0	0	0	0	-1	0	-3	-5	-5		
17550	17600	-1	0	0	-1	-3	0	0	0	0	0	-1	0	-3	-5	-5		
17600	17650	-1	0	0	-1	-3	0	0	0	0	0	-1	0	-3	-5	-5		
17650	17700	-1	0	0	-1	-3	0	0	0	0	0	-1	0	-3	-5	-5		
17700	17750	-1	0	0	-1	-3	0	0	0	0	0	-1	0	-3	-5	-5		
17750	17800	-1	0	0	-1	-3	0	0	0	0	0	-1	0	-3	-5	-5		
17800	17850	-1	0	0	-1	-3	0	0	0	0	0	-1	0	-3	-5	-5		
17850	17900	-1	0	0	-1	-3	0	0	0	0	0	-1	0	-3	-5	-5		
17900	17950	-1	0	0	-1	-3	0	0	0	0	0	-1	0	-3	-5	-5		
17950	18000																	
18000	18050																	

0	Neutral	Criteria
-1	Slight Adverse	
-2	Moderate Adverse	
-3	Major Adverse	

Rules
Total Score

= Alignment Score (Average of E, F, G, H and I) + Geo Score + Structures Score + Flooding Score (Average of L, M and N) + Utilities score + Constructability Score (Minimum value of P&Q) = Total of 6 scores for 6 categories

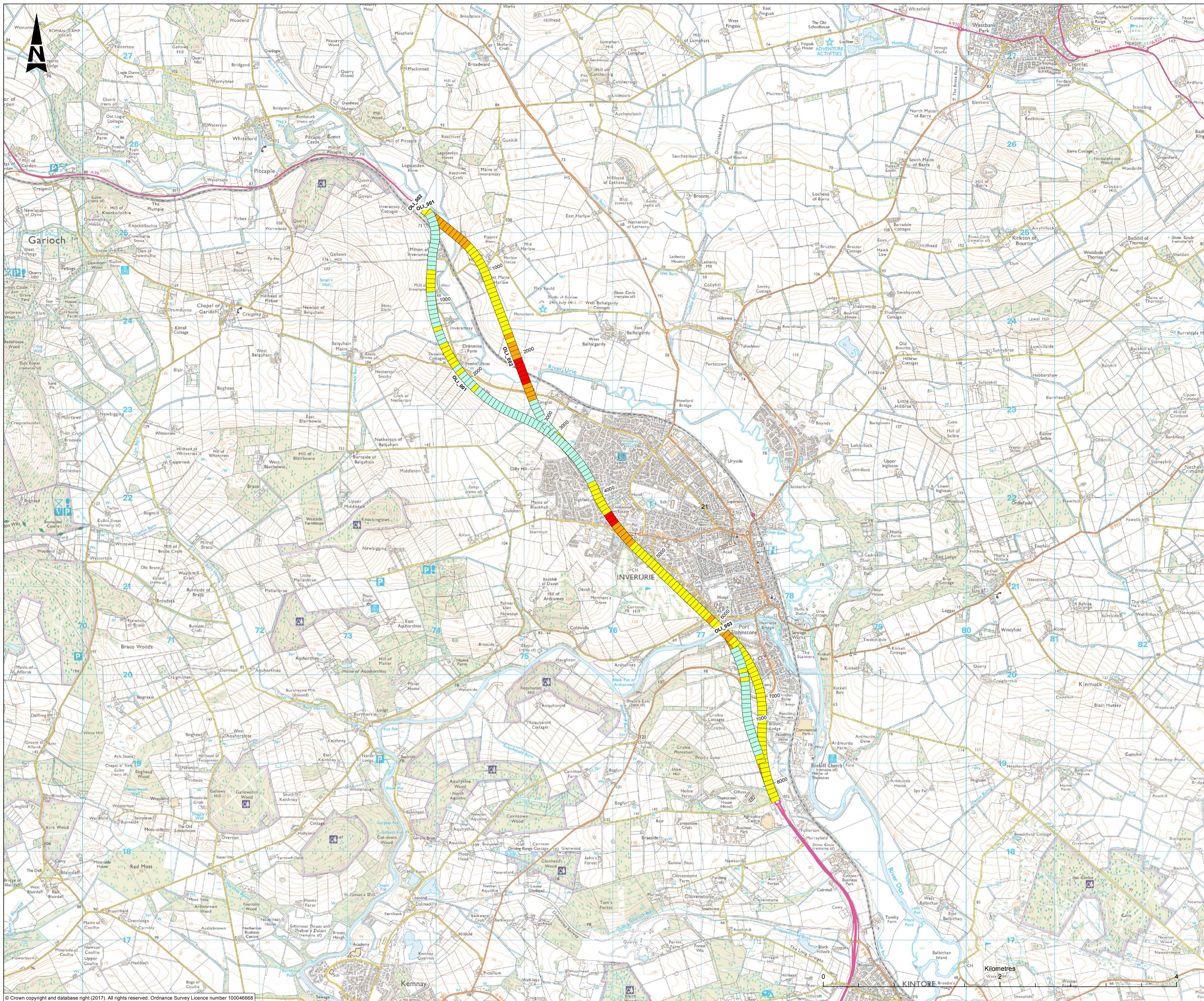
Then if total < or equal to -9 then should be coloured red because this represents possibility of 3 reds or 4 ambers
If total is between -6 and -8 should be coloured amber since this could represent 2 reds or 3/4 ambers.
If total is between -3 and -5 sho

Chainage	Start Chainage	End Chainage	Alignment						Structures	Flooding and Drainage			Utilities	Constructability	Score	Comments		
			Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures		Flood Plain	Watercourse Crossings	Attenuation requirement					Construction access	Temp disruption
0	50		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
50	100		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
100	150		-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3	
150	200		-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3	
200	250		-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3	
250	300		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
300	350		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
350	400		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
400	450		-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3	
450	500		-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3	
500	550		-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3	
550	600		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
600	650		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
650	700		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
700	750		-1	-1	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
750	800		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
800	850		-1	-2	-1	0	0	-1	-1	0	0	0	0	-3	0	-6	-6	
850	900		-1	-3	-1	0	0	-2	0	0	0	0	0	-3	0	-6	-6	
900	950		-1	-3	-1	0	0	-2	0	0	0	0	0	-3	0	-6	-6	
950	1000		-1	-3	-1	0	0	-2	0	0	0	0	0	-3	0	-6	-6	
1000	1050		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1050	1100		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1100	1150		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1150	1200		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1200	1250		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1250	1300		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1300	1350		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1350	1400		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1400	1450		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1450	1500		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1500	1550		-1	-3	-1	0	0	-3	0	0	0	0	0	-3	0	-7	-7	
1550	1600		-1	-3	-1	0	0	-2	0	0	0	0	0	-3	0	-6	-6	
1600	1650		-1	-3	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
1650	1700		-1	-2	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
1700	1750		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
1750	1800		-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3	
1800	1850		-1	-1	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
1850	1900		-1	-1	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
1900	1950		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
1950	2000		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2000	2050		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2050	2100		-1	-2	-1	0	0	-1	0	0	0	0	-1	-3	0	-6	-5	
2100	2150		-1	-1	-1	0	0	0	0	0	0	0	0	-1	-3	0	-5	-5
2150	2200		-1	0	-1	0	0	0	0	0	0	0	0	-1	-3	0	-4	-4
2200	2250		-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3	
2250	2300		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
2300	2350		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
2350	2400		-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4	
2400	2450		-1	-1	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2450	2500		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2500	2550		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2550	2600		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2600	2650		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2650	2700		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2700	2750		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2750	2800		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2800	2850		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2850	2900		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2900	2950		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
2950	3000		-1	-2	-1	0	0	-1	0	0	0	0	0	-3	0	-5	-5	

6950	7000	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-4	-4	
7000	7050	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-4	-4	
7050	7100	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-4	-4	
7100	7150	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-4	-4	
7150	7200	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-4	-4	
7200	7250	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-4	-4	
7250	7300	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-4	-4	
7300	7350	-1	-1	-1	0	0	0	0	0	0	0	0	-2	-2	-1	-5	-5	SGN high pressure crosses over chainage length. Proposed alignment levels 5m higher than existing.
7350	7400	-1	-1	-1	0	0	0	0	0	0	0	0	-2	-2	-1	-5	-5	SGN high pressure crosses over chainage length. Proposed alignment levels 5m higher than existing.
7400	7450	-1	-1	-1	0	0	0	0	0	0	0	0	-2	-1	-3	-3		
7450	7500	-1	-1	-1	0	0	0	0	0	0	0	0	-2	-1	-3	-3		
7500	7550	-1	0	-1	0	0	0	0	-1	0	0	0	-2	-1	-3	-3		
7550	7600	-1	-1	-1	0	0	0	-1	0	0	0	0	-2	-1	-4	-4		
7600	7650	-1	-2	-1	0	0	0	-1	0	0	0	0	-2	-1	-4	-4		
7650	7700	-1	-2	-1	0	0	0	-1	0	0	0	0	-2	-1	-4	-4		
7700	7750	-1	-2	-1	0	0	0	-1	0	0	0	0	-2	-1	-4	-4		
7750	7800	-1	-2	-1	0	0	0	-1	0	0	0	0	-2	-1	-4	-4		
7800	7850	-1	-2	-1	0	0	0	-1	0	0	0	0	-1	-1	-3	-3		
7850	7900	-1	-2	-1	0	0	0	-1	0	0	0	0	-1	-1	-3	-3		
7900	7950	-1	-2	-1	0	0	0	-1	0	0	0	0	-1	-1	-3	-3		
7950	8000	-1	-2	-1	0	0	0	-1	0	0	0	0	-1	-1	-3	-3		
8000	8050	-1	-2	-1	0	0	0	-1	0	0	0	0	-1	-1	-3	-3		
8050	8100	-1	-1	-1	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8100	8150	-1	-1	-1	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8150	8200	-1	-1	-1	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8200	8250	-1	0	-1	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
8250	8300	-1	-1	-1	0	0	0	-1	0	0	0	0	-3	-1	-1	-6	-6	Proposed alignment crossing existing road present at this location with high pressure gas pipe present however level differences up to 9m
8300	8350	-1	-2	-1	0	0	0	-1	0	0	0	0	-3	-1	-1	-6	-6	Proposed alignment crossing existing road present at this location with high pressure gas pipe present however level differences up to 9m
8350	8400	-1	-1	-1	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8400	8450	-1	-1	-1	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8450	8500	-1	-1	-1	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8500	8550	-1	-1	-1	0	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
8550	8600	-1	-1	-1	0	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
8600	8650	-1	0	-1	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
8650	8700	-1	-1	-1	0	0	0	-1	0	0	0	0	-1	-1	-1	-3	-3	
8700	8750	-1	-2	-1	0	0	0	-1	0	0	0	0	-1	-1	-1	-3	-3	
8750	8800	-1	-2	-1	0	0	0	-1	0	0	0	0	-1	-1	-1	-3	-3	Proposed alignment cutting through hill with level differences of up to 25m along chainage length in non compressible soils and rock
8800	8850	-1	-3	-1	0	0	0	-2	0	0	0	0	-3	0	-6	-6		
8850	8900	-1	-3	-1	0	0	0	-2	0	0	0	0	-3	0	-6	-6	Proposed alignment cutting through hill with level differences of up to 25m along chainage length in non compressible soils and rock	
8900	8950	-1	-3	-1	0	0	0	-2	0	0	0	0	-3	0	-6	-6	Proposed alignment cutting through hill with level differences of up to 25m along chainage length in non compressible soils and rock	
8950	9000	-1	-3	-1	0	0	0	-2	0	0	0	0	-3	0	-6	-6	Proposed alignment cutting through hill with level differences of up to 25m along chainage length in non compressible soils and rock	
9000	9050	-1	-3	-1	0	0	0	-2	0	0	0	0	-3	0	-6	-6	Proposed alignment cutting through hill with level differences of up to 25m along chainage length in non compressible soils and rock	
9050	9100	-1	-3	-1	0	0	0	-2	0	0	0	0	-3	0	-6	-6	Proposed alignment cutting through hill with level differences of up to 25m along chainage length in non compressible soils and rock	
9100	9150	-1	-3	-1	0	0	0	-2	0	0	0	0	-3	0	-6	-6	Proposed alignment cutting through hill with level differences of up to 25m along chainage length in non compressible soils and rock	
9150	9200	-1	-3	-1	0	0	0	-2	0	0	0	0	-3	0	-6	-6	Proposed alignment cutting through hill with level differences of up to 25m along chainage length in non compressible soils and rock	
9200	9250	-1	-2	-1	0	0	0	-1	0	0	0	0	-3	0	-5	-5		
9250	9300	-1	-2	-1	0	0	0	-1	0	0	0	0	-3	0	-5	-5		
9300	9350	-1	-2	-1	0	0	0	-1	0	0	0	0	-3	0	-5	-5		
9350	9400	-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4		
9400	9450	-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4		
9450	9500	-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4		
9500	9550	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3		
9550	9600	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3		
9600	9650	-1	-2	-1	0	0	0	-1	-3	0	0	0	-3	0	-8	-8	Proposed alignment crossing valley (flood plain) & river Don along chainage length with level difference of up to 31m present.	
9650	9700	-1	-3	-1	0	0	0	-3	-3	-3	0	0	-3	0	-11	-11	Proposed alignment crossing valley (flood plain) & river Don along chainage length with level difference of up to 31m present.	
9700	9750	-1	-3	-1	0	0	0	-3	-3	-3	0	0	-3	0	-11	-11	Proposed alignment crossing valley (flood plain) & river Don along chainage length with level difference of up to 31m present.	
9750	9800	-1	-3	-1	0	0	0	-3	-3	-3	0	0	-3	0	-11	-11	Proposed alignment crossing valley (flood plain) & river Don along chainage length with level difference of up to 31m present.	
9800	9850	-1	-3	-1	0	0	0	-2	-3	0	0	0	-2	-1	-8	-8	Proposed alignment crossing valley (flood plain) & river Don along chainage length with level difference of up to 31m present.	
9850	9900	-1	-3	-1	0	0	0	-2	-3	0	0	0	-2	-1	-8	-8	Proposed alignment crossing valley (flood plain) & river Don along chainage length with level difference of up to 31m present.	
9900	9950	-1	-2	-1	0	0	0	-1	-3	0	0	0	-2	-1	-7	-7	Proposed alignment crossing valley (flood plain) & river Don along chainage length with level difference of up to 31m present.	
9950	10000	-1	-2	-1	0	0	0	-1	-3	0	0	0	-2	-1	-7	-7	Proposed alignment crossing valley (flood plain) & river Don along chainage length with level difference of up to 31m present.	
10000	10050	-1	-1	-1	0	0	0	-1	-3	0	0	0	-2	-1	-7	-7	Proposed alignment crossing valley (flood plain) & river Don along chainage length with level difference of up to 31m present.	
10050	10100	-1	-1	-1	0	0	0	-1	0	0	0	0	-2	-1	-4	-4		
10100	10150	-1	-1	-1	0	0	0	-1	0	0	0	0	-2	-1	-4	-4		
10150	10200	-1	-1	-1	0	0	0	-1	0	0	0	0	-2	-1	-4	-4		
10200	10250	-1	-1	-1	0	0	0	-1	0	0	0	0	-2	-1	-4	-4		
10250	10300	-1	0	-1	0	0	0	-1	0	0	0	0	-1	-2	-1	-4	-4	
10300	10350	-1	0	-1	0	0	0	-1	0	0	0	0	-2	-1	-3	-3		
10350	10400	-1	0	-1	0	0	0	0	0	0	0	0	-2	-1	-2	-2		
10400	10450	-1	0	-1	0	0	0	0	0	0	0	0	-2	-1	-2	-2		
10450	10500	-1	0	-1	0	0	0	0	0	0	0	0	-2	-1	-2	-2		
10500	10550	-1	0	-1	0	0	0	0	0	0	0	0	-2	-1	-4	-4		
10550	10600	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-5	-5		
10600	10650	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3		
10650	10700	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3		
10700	10750	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3		
10750	10800	-1	-1	-1	0	0	0	-1	0	0	0	0	-3	0	-5	-6	Adjusted to suit. Flood plain, utility (HV line) and compressible soils present in this location	
10800	10850	-1	-1	-1	0	0	0	-1	0	0	0	0	-1	-3	0	-6	-6	Adjusted to suit. Flood plain, utility (HV line) and compressible soils present in this location

15350	15400	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
15400	15450	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
15450	15500	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
15500	15550	-1	0	-1	0	0	0	0	0	0	0	0	-1	-1	-1	-1			
15550	15600	-1	0	-1	0	0	0	0	0	0	0	0	-1	-1	-1	-1			
15600	15650	-1	0	-1	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	275kV crossing with proposed levels approximately similar to that of existing. Moderate impact flood plain. Scores increased to moderate		
15650	15700	-1	0	-1	0	0	0	0	0	0	-2	0	-2	-1	-1	-4	-6	275kV crossing with proposed levels approximately similar to that of existing. Moderate impact flood plain. Scores increased to moderate	
15700	15750	-1	0	-1	0	0	0	0	0	0	-2	0	0	-1	-1	-2	-6	275kV crossing with proposed levels approximately similar to that of existing. Moderate impact flood plain. Scores increased to moderate	
15750	15800	-1	0	-1	0	0	0	0	0	0	-2	0	0	-1	-1	-3	-6	275kV crossing with proposed levels approximately similar to that of existing. Moderate impact flood plain. Scores increased to moderate	
15800	15850	-1	0	-1	0	0	0	0	0	0	-2	0	0	-1	-1	-3	-6	275kV crossing with proposed levels approximately similar to that of existing. Moderate impact flood plain. Scores increased to moderate	
15850	15900	-1	0	-1	0	0	0	0	0	0	-2	0	0	-1	-1	-3	-6	275kV crossing with proposed levels approximately similar to that of existing. Moderate impact flood plain. Scores increased to moderate	
15900	15950	-1	0	-1	0	0	0	0	0	0	-2	0	0	-1	-1	-3	-6	275kV crossing with proposed levels approximately similar to that of existing. Moderate impact flood plain. Scores increased to moderate	
15950	16000	-1	0	-1	0	0	0	0	0	0	-2	0	0	-2	-1	-1	-5	-6	to that of existing. Moderate impact flood plain. Scores increased to moderate
16000	16050	-1	0	-1	0	0	0	0	0	0	-2	0	0	-2	-1	-1	-4	-6	to that of existing. Moderate impact flood plain. Scores increased to moderate
16050	16100	-1	0	-1	0	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	275kV crossing with proposed levels approximately similar to that of existing	
16100	16150	-1	0	-1	0	0	0	0	0	0	0	0	-3	-3	0	-6	-6	Adjusted to suit. Proposed alignment running alongside pylons at this chainage length with national grid pipeline present too. Existing ground levels similar to that of proposed	
16150	16200	-1	0	-1	0	0	0	0	0	0	0	0	-3	-3	0	-6	-6	Adjusted to suit. Proposed alignment running alongside pylons at this chainage length with national grid pipeline present too. Existing ground levels similar to that of proposed	
16200	16250	-1	0	-1	0	0	0	0	0	0	0	0	-3	-3	0	-6	-6	Adjusted to suit. Proposed alignment running alongside pylons at this chainage length with national grid pipeline present too. Existing ground levels similar to that of proposed	
16250	16300	-1	0	-1	0	0	0	0	0	0	0	0	-3	-3	0	-6	-6	Adjusted to suit. Proposed alignment running alongside pylons at this chainage length with national grid pipeline present too. Existing ground levels similar to that of proposed	
16300	16350	-1	0	-1	0	0	0	0	0	0	0	0	-3	-3	0	-6	-6	Adjusted to suit. Proposed alignment running alongside pylons at this chainage length with national grid pipeline present too. Existing ground levels similar to that of proposed	
16350	16400	-1	0	-1	0	0	0	0	0	0	0	0	-2	-3	0	-5	-5		
16400	16450	-1	0	-1	0	0	0	0	0	0	0	0	-2	-3	0	-5	-5		
16450	16500	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
16500	16550	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
16550	16600	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
16600	16650	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
16650	16700	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
16700	16750	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
16750	16800	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
16800	16850	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
16850	16900	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
16900	16950	-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4			
16950	17000	-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4			
17000	17050	-1	-1	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4			
17050	17100	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
17100	17150	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
17150	17200	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
17200	17250	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
17250	17300	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-3	-3			
17300	17350	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4			
17350	17400	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-5	-6	Compressible soil & floodplain represent moderate impact. Score upgraded to moderate		
17400	17450	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-5	-6	Compressible soil & floodplain represent moderate impact. Score upgraded to moderate		
17450	17500	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-8	-8	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
17500	17550	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-8	-8	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
17550	17600	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-8	-8	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
17600	17650	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-8	-8	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
17650	17700	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-10	-10	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
17700	17750	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-8	-8	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
17750	17800	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-8	-8	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
17800	17850	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-8	-8	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
17850	17900	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-8	-8	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
17900	17950	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-8	-8	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
17950	18000	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-7	-7	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
18000	18050	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-7	-7	Compressible soil & floodplain/crossing watercourse at this chainage length. Highlighted that moving alignment could reduce Structure score & span to 30-50m		
18050	18100	-1	0	-1	0	0	0	0	0	0	0	0	-3	0	-4	-4			
18100	18150	-1	0	-1	0	0	0	0	0	0	0	0	0	-3	-3	-3			
18150	18200	-1	0	-1	0	0	0	0	0	0	0	0	0	-3	-3	-3			
18200	18250	-1	0	-1	0	0	0	0	0	0	0	0	0	-3	-3	-3			
18250	18300	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18300	18350	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18350	18400	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18400	18450	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18450	18500	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18500	18550	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18550	18600	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18600	18650	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18650	18700	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18700	18750	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18750	18800	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18800	18850	-1	-1	-1	0	0	0	0	0	0	0	0	0	-3	-4	-4			
18850	18900	-1	0	-1	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4		
18900	18950	-1	0	-1	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4		
18950	19000	-1	0	-1	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4		
19000	19050	-1	0	-1	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4		

19050	19100	-1	0	-1	0	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4	
19100	19150	-1	0	-1	0	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4	
19150	19200	-1	0	-1	0	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4	
19200	19250	-1	0	-1	0	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4	
19250	19300	-1	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-3	-3	
19300	19350	-1	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-3	-3	
19350	19400	-1	0	-1	0	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4	
19400	19450	-1	0	-1	0	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4	
19450	19500	-1	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-3	-3	
19500	19550	-1	0	-1	0	0	0	0	0	0	0	0	0	-3	0	-3	-6	-6	National grid pipeline crosses proposed alignment at this location. Existing and proposed levels similar
19550	19600	-1	0	-1	0	0	0	0	0	0	0	0	0	-3	0	-3	-6	-6	National grid pipeline crosses proposed alignment at this location. Existing and proposed levels similar
19600	19650	-1	0	-1	0	0	0	0	0	0	0	0	0	-1	0	-3	-4	-4	
19650	19700	-1	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-3	-3	
19700	19750	-1	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-3	-3	
19750	19800																		
19800	19850																		



LEGEND

Combined Engineering Appraisal

- Major Adverse
- Moderate Adverse
- Slight Adverse
- Neutral

P01	First Fix Appraisal				
	JSE	CP	CB	GW	GH
	10/04/18	18/04/18	18/04/18	18/04/18	18/04/18

Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer
Precision House
McNeill Drive
Motherwell
ML1 4UR



Client
58 Port Dundas Road
Glasgow
G4 0HF



Project Name
A96 Dualling: East of Huntly to Aberdeen

Drawing Title
OLI - Engineering Appraisal

Project Ref. No.	Stage	Scale	@A1
250002-92	Stage 2	1:20,000	
Dimensions :			

Drawing Number	Project	Originator	Volume
A96PEA	-AMAR	-HGN	-
CB	-DR-CH-102001		
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S2	For Information	P01.01

0	Neutral	Criteria
-1	Slight Adverse	
-2	Moderate Adverse	
-3	Major Adverse	

Rules
Total Score

= Alignment Score (Average of E, F, G, H and I) +
Geo Score + Structures Score + Flooding Score
(Average of L, M and N) + Utilities score +
Constructability Score (Minimum value of P&Q)
= Total of 6 scores for 6 categories

Then if total < or equal to -9 then should be
coloured red because this represents possibility
of 3 reds or 4 ambers
If total is between -6 and -8 should be coloured
amber since this could represent 2 reds or 3/4

Chaiange	Start Chaiange	End Chaiange	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Floodin g and Drainage	Utilities	Temp disruption	Construction access	Utilities	Attenuation requirement	Flood Plain	Watercourse Crossings	Construction access	Temp disruption	Utilities	Score	Adjusted Total	Comments
	0	50	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-2	-2		
	50	100	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-2	-2		
	100	150	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-2	-2		
	150	200	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-2	-2		
	200	250	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-2	-2		
	250	300	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-2	-2	Existing single carriageway A56 crosses Railway. Assumed it could be extended.	
	300	350	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	350	400	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	400	450	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	450	500	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	500	550	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	550	600	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	600	650	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	650	700	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-3	-3	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	700	750	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-3	-3	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	750	800	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-3	-3	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	800	850	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-3	-3	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	850	900	0	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	-1	-3	-3	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	900	950	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	950	1000	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	1000	1050	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	1050	1100	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	SW Distribution Main present at 5 locations along chainage length. Private water supply also present on one occasion	
	1100	1150	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	Private water supply at chainage length	
	1150	1200	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	Private water supply at chainage length	
	1200	1250	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	Private water supply at chainage length	
	1250	1300	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	Private water supply at chainage length	
	1300	1350	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	Existing underpass for farm access present	
	1350	1400	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	1400	1450	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	1450	1500	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	1500	1550	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-4	SW Distribution Main present at 7 locations along chainage length. Existing culvert present. Structure requires abutting etc for fluting.	
	1550	1600	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-4	SW Distribution Main present at 7 locations along chainage length. Existing culvert present. Structure requires abutting etc for fluting.	
	1600	1650	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-4	SW Distribution Main present at 7 locations along chainage length. Existing culvert present. Structure requires abutting etc for fluting.	
	1650	1700	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-4	SW Distribution Main present at 7 locations along chainage length. Existing culvert present. Structure requires abutting etc for fluting.	
	1700	1750	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-5	SW SW distribution main (300mm + dia) along chainage length. Existing culvert present. Structure requires abutting etc for fluting.	
	1750	1800	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-3	SW SW distribution main (300mm + dia) along chainage length. Existing culvert present. Structure requires abutting etc for fluting.	
	1800	1850	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	Underpass for access to farmland present at chainage length.	
	1850	1900	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-3	Made ground. Potential contamination at chainage length	
	1900	1950	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	1950	2000	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2000	2050	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2050	2100	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2100	2150	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	-4	-4	NG High Pressure Gas pipeline crosses alignment at this location.	
	2150	2200	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	Traffic Scotland Assets	
	2200	2250	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2250	2300	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2300	2350	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2350	2400	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2400	2450	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2450	2500	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2500	2550	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2550	2600	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2600	2650	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2650	2700	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2700	2750	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2750	2800	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2800	2850	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2850	2900	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2900	2950	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	2950	3000	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	3000	3050	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	3050	3100	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	3100	3150	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	3150	3200	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	3200	3250	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		
	3250	3300	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1		

0	Neutral
-1	Slight Adverse
-2	Moderate Adverse
-3	Major Adverse

Rules
Total Score

= Alignment Score (Average of E, F, G, H and I) +
Geo Score + Structures Score + Flooding Score
(Average of L, M and N) + Utilities score +
Constructability Score (Minimum value of P&Q)
= Total of 6 scores for 6 categories

Then if total < or equal to -9 then should be
coloured red because this represents possibility
of 3 reds or 4 ambers
If total is between -6 and -8 should be coloured
amber since this could represent 2 reds or 3/4

Chaiange	Start Chaiange	End Chaiange	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Floodin'g and Drainage	Utilities	Temp disruption	Construction access	Adjusted Total	Comments
0	50														
50	100														
100	150														
150	200														
200	250														
250	300														
300	350														
350	400														
400	450														
450	500														
500	550														
550	600														
600	650														
650	700														
700	750														
750	800														
800	850														
850	900														
900	950														
950	1000														
1000	1050														
1050	1100														
1100	1150														
1150	1200														
1200	1250														
1250	1300														
1300	1350														
1350	1400														
1400	1450														
1450	1500														
1500	1550														
1550	1600														
1600	1650														
1650	1700														
1700	1750														
1750	1800														
1800	1850														
1850	1900														
1900	1950														
1950	2000														
2000	2050														
2050	2100														
2100	2150														
2150	2200														
2200	2250														
2250	2300														
2300	2350														
2350	2400														
2400	2450														
2450	2500														
2500	2550														
2550	2600														
2600	2650														
2650	2700														
2700	2750														
2750	2800														
2800	2850														
2850	2900														
2900	2950														
2950	3000														
3000	3050														
3050	3100														
3100	3150														
3150	3200														
3200	3250														
3250	3300														
3300	3350														
3350	3400														
3400	3450														
3450	3500														
3500	3550														

0	Neutral
-1	Slight Adverse
-2	Moderate Adverse
-3	Major Adverse

Rules
Total Score

= Alignment Score (Average of E, F, G, H and I) +
Geo Score + Structures Score + Flooding Score
(Average of L, M and N) + Utilities score +
Constructability Score (Minimum value of P&Q)
= Total of 6 scores for 6 categories

Then if total < or equal to -9 then should be
coloured red because this represents possibility
of 3 reds or 4 ambers
If total is between -6 and -8 should be coloured
amber since this could represent 2 reds or 3/4

Chaiange	Start Chaiange	End Chaiange	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Floodin g and Drainage	Watercourse Crossings	Flood Plain	Utilities	Temp disruption	Construction access	Utilities	Attenuation requirement	Score	Adjusted Total	Comments
0	50																			
50	100																			Adjusted to suit. Flood plain, utilities (water main running parallel) & disruption to existing A&S creating moderate
100	150																			Adjusted to suit. Flood plain, utilities (water main running parallel) & disruption to existing A&S creating moderate
150	200																			Adjusted to suit. Flood plain, utilities (water main running parallel) & disruption to existing A&S creating moderate
200	250																			
250	300																			
300	350																			
350	400																			
400	450																			
450	500																			
500	550																			
550	600																			
600	650																			
650	700																			
700	750																			
750	800																			
800	850																			
850	900																			
900	950																			
950	1000																			
1000	1050																			
1050	1100																			
1100	1150																			
1150	1200																			
1200	1250																			
1250	1300																			
1300	1350																			
1350	1400																			
1400	1450																			
1450	1500																			
1500	1550																			
1550	1600																			Existing ground creating reasonable cutting along with potential to affect highlighted utilities in this span (SW distribution main running parallel along chaiange length)
1600	1650																			Existing ground creating reasonable cutting along with potential to affect highlighted utilities in this span (SW distribution main running parallel along chaiange length)
1650	1700																			Existing ground creating reasonable cutting along with potential to affect highlighted utilities in this span (SW distribution main running parallel along chaiange length)
1700	1750																			Existing ground creating reasonable cutting along with potential to affect highlighted utilities in this span (SW distribution main running parallel along chaiange length)
1750	1800																			Existing ground creating reasonable cutting along with potential to affect highlighted utilities in this span (SW distribution main running parallel along chaiange length)
1800	1850																			
1850	1900																			
1900	1950																			