

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

Precision
 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
CN03 - Engineering Appraisal

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 -003001		
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S2	For Information	P01.01

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

Rules
 Total Score
 and I) + Geo Score + Structures Score +
 Flooding Score (Average of L, M and N)

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

Chainage	Start Chainage	End Chainage	Alignment	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood and Drainage	Watercourse Crossings	Flood Plain	Attenuation requirement	Utilities	Construction access	Temp disruption	Score	Adjusted	Total	Comments
0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
150	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
200	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
250	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
300	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
400	450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
450	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
500	550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
550	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
600	650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
650	700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
700	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
750	800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
800	850	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
850	900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
900	950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
950	1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
1000	1050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
1050	1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
1100	1150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
1150	1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
1200	1250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
1250	1300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
1300	1350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting. Earthworks adjustment is required to reduce cutting.
1350	1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cutting greater than 75.5m in non identified geotechnical constraint. Significant impact of earthworks this size.
1400	1450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment at this point. SEE Pylon within 100m of edge of alignment at this location. Alignment in cutting greater than 75.5m.
1450	1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment at this point. SEE Pylon within 100m of edge of alignment at this location. Alignment in cutting greater than 75.5m.
1500	1550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment at this point. SEE Pylon within 100m of edge of alignment at this location. Alignment in cutting greater than 75.5m.
1550	1600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment at this point. SEE Pylon within 100m of edge of alignment at this location. Alignment in cutting greater than 75.5m.
1600	1650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment at this point. SEE Pylon within 100m of edge of alignment at this location. Alignment in cutting greater than 75.5m.
1650	1700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment at this point. SEE Pylon within 100m of edge of alignment at this location. Alignment in cutting greater than 75.5m.
1700	1750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment at this point. SEE Pylon within 100m of edge of alignment at this location. Alignment in cutting greater than 75.5m.
1750	1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting greater than 75.5m. Minor utility works.
1800	1850	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting greater than 75.5m. Minor utility works.
1850	1900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting greater than 75.5m. Minor utility works.
1900	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting greater than 75.5m. Minor utility works. Minor structure required.
1950	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting greater than 75.5m. Minor utility works.
2000	2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment is in cutting greater than 75.5m. Minor utility works.
2050	2100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 46.5m represent moderate impact. Addition of utilities reinforces this.
2100	2150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 46.5m represent moderate impact. Addition of utilities reinforces this.
2150	2200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment at this point. Cuttings up to 46.5m.
2200	2250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment at this point. Cuttings up to 46.5m.
2250	2300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment at this point. Cuttings up to 46.5m.
2300	2350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment. Cuttings up to 17.5m.
2350	2400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment. Cuttings up to 17.5m.
2400	2450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment. Alignment is in cutting.
2450	2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment. Alignment is in cutting.
2500	2550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	273mm SGN high pressure gas main crosses alignment. Alignment is in cutting.
2550	2600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
2600	2650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
2650	2700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
2700	2750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
2750	2800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
2800	2850	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
2850	2900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
2900	2950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
2950	3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
3000	3050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
3050	3100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
3100	3150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
3150	3200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
3200	3250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
3250	3300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
3300	3350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Alignment in high levels of cut. Cut to be reduced to mitigate moderate scoring where possible.
3350	3400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SGN high pressure gas main crosses alignment at this point. Proposed road level 14m lower than existing at this point within cutting.
3400	3450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SGN high pressure gas main crosses alignment at this point. Proposed road level 14m lower than existing at this point within cutting.
3450	3500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SGN high pressure gas main crosses alignment at this point. Proposed road level 14m lower than existing at this point within cutting.
3500	3550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SGN high pressure gas main crosses alignment at this point. Proposed road level 14m lower than existing at this point within cutting.
3550	3600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SGN high pressure gas main crosses alignment at this point. Proposed road level 14m lower than existing at this point within cutting.
3600	3650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SGN high pressure gas main crosses alignment at this point. Proposed road level 14m lower than existing at this point within cutting.

3650	3700	0	-2	-2	0	-3	0	0	0	0	0	-1	-2	0	-4	-4	
3700	3750	0	-2	-2	0	-3	0	0	0	0	0	-1	-2	-2	-4	-4	
3750	3800	0	-1	-2	0	-3	0	-1	0	0	0	-1	-2	0	-5	-5	
3800	3850	0	-1	-2	0	-3	0	0	0	0	0	-1	-2	0	-4	-4	
3850	3900	0	-1	-2	0	-3	0	0	0	0	0	-1	-2	0	-4	-4	
3900	3950	0	-1	-2	0	-3	0	0	0	0	0	-1	-2	0	-4	-4	
3950	4000	0	-1	-2	0	-3	0	0	0	0	0	0	-2	0	-3	-3	
4000	4050	0	-1	-2	0	-3	0	0	0	0	0	0	-2	0	-3	-3	
4050	4100	0	-1	-2	0	-3	0	0	0	0	0	0	-2	0	-3	-3	
4100	4150	0	0	-2	0	-3	0	0	0	0	0	0	-2	0	-3	-3	
4150	4200	0	0	-2	0	-3	0	0	0	0	0	0	-2	0	-3	-3	
4200	4250	0	-1	-2	0	-3	0	0	0	0	0	0	-2	0	-3	-3	
4250	4300	0	-1	-2	0	-3	0	0	0	0	0	0	-2	0	-3	-3	
4300	4350	0	-1	-2	0	-3	0	0	0	0	0	0	-2	0	-3	-3	
4350	4400	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
4400	4450	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
4450	4500	0	-2	-2	0	-3	-1	0	0	0	0	-1	-2	0	-5	-5	
4500	4550	0	-2	-2	0	-3	-1	0	0	0	0	-1	-2	0	-5	-5	
4550	4600	0	-2	-2	0	-3	-1	0	0	0	0	-1	-2	-2	-5	-5	
4600	4650	0	-3	-2	0	-3	-1	0	0	0	0	-1	-2	0	-6	-6	Minor utility diversion with embankments up to 18m high.
4650	4700	0	-3	-2	0	-3	-2	0	0	0	0	-1	-2	0	-7	-7	Embankments up to 23m high on a combination of non identified and potentially compressible soils. Potential river crossing at location
4700	4750	0	-3	-2	0	-3	-2	0	0	0	0	-1	-2	0	-7	-7	Embankments up to 23m high on a combination of non identified and potentially compressible soils. Potential river crossing at location
4750	4800	0	-3	-2	0	-3	-2	0	0	0	0	-1	-2	0	-7	-7	Embankments up to 23m high on a combination of non identified and potentially compressible soils. Potential river crossing at location
4800	4850	0	-3	-2	0	-3	-2	0	0	0	0	-1	-2	0	-7	-7	Embankments up to 23m high on a combination of non identified and potentially compressible soils. Potential river crossing at location
4850	4900	0	-3	-2	0	-3	-2	0	0	0	0	-2	0	0	-6	-6	Embankments up to 23m high on a combination of non identified and potentially compressible soils. Potential river crossing at location
4900	4950	0	-3	-2	0	-3	-2	-1	0	0	0	0	-2	0	-7	-7	Embankments up to 23m high on a combination of non identified and potentially compressible soils. Potential river crossing at location
4950	5000	0	-3	-2	0	-3	-2	-1	0	0	0	0	-2	0	-7	-7	Embankments up to 23m high on a combination of non identified and potentially compressible soils. Potential river crossing at location
5000	5050	0	-3	-2	0	-3	-2	0	0	0	0	0	-2	0	-6	-6	Embankments up to 23m high on a combination of non identified and potentially compressible soils. Potential river crossing at location
5050	5100	0	-3	-2	0	-3	-2	0	0	0	0	0	-2	0	-5	-5	
5100	5150	0	-3	-2	0	-3	-1	0	0	0	0	0	-2	0	-5	-5	
5150	5200	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5200	5250	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5250	5300	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5300	5350	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5350	5400	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5400	5450	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5450	5500	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5500	5550	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5550	5600	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5600	5650	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5650	5700	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5700	5750	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
5750	5800	0	-2	-2	0	-3	-2	0	0	0	0	0	-2	0	-5	-5	Embankments up to 22.2m high. Upgraded to moderate
5800	5850	0	-2	-2	0	-3	-2	0	0	0	0	-2	-2	0	-7	-7	273mm SEN high pressure gas main crosses alignment at this point. Embankments up to 22m high on a combination of non-identified and compressible soils.
5850	5900	0	-2	-2	0	-3	-2	0	0	0	0	-2	-2	0	-7	-7	273mm SEN high pressure gas main crosses alignment at this point. Embankments up to 22m high on a combination of non-identified and compressible soils.
5900	5950	0	-2	-2	0	-3	-2	0	0	0	0	-2	-2	0	-7	-7	273mm SEN high pressure gas main crosses alignment at this point. Embankments up to 22m high on a combination of non-identified and compressible soils.
5950	6000	0	-3	-2	0	-3	-2	0	0	0	0	-2	-2	0	-8	-8	273mm SEN high pressure gas main crosses alignment at this point. Embankments up to 22m high on a combination of non-identified and compressible soils.
6000	6050	0	-3	-2	0	-3	-2	0	0	0	0	-2	-2	0	-8	-8	273mm SEN high pressure gas main crosses alignment at this point. Embankments up to 22m high on a combination of non-identified and compressible soils.
6050	6100	0	-3	-2	0	-3	-2	0	0	0	0	-2	-2	0	-8	-8	273mm SEN high pressure gas main crosses alignment at this point. Embankments up to 22m high on a combination of non-identified and compressible soils.
6100	6150	0	-3	-2	0	-3	-2	0	0	0	0	-2	-2	0	-8	-8	273mm SEN high pressure gas main crosses alignment at this point. Embankments up to 22m high on a combination of non-identified and compressible soils.
6150	6200	0	-2	-2	0	-3	-2	-3	-3	0	0	-2	-2	0	-11	-11	Victuct larger than 300m required to cross flood plain. Scoring updated to reflect significance of structure.
6200	6250	0	-2	-2	0	-3	-2	-3	-3	0	0	-2	-2	0	-11	-11	Victuct larger than 300m required to cross flood plain. Scoring updated to reflect significance of structure.
6250	6300	0	-2	-2	0	-3	-2	-3	-3	0	0	-2	-2	0	-11	-11	Victuct larger than 300m required to cross flood plain. Scoring updated to reflect significance of structure.
6300	6350	0	-2	-2	0	-3	-2	-3	-3	0	0	-2	-2	0	-9	-9	Victuct larger than 300m required to cross flood plain. Scoring updated to reflect significance of structure.
6350	6400	0	-2	-2	0	-3	-2	-3	-3	0	0	0	-2	0	-9	-9	Victuct larger than 300m required to cross flood plain. Scoring updated to reflect significance of structure.
6400	6450	0	-3	-3	0	-3	-2	-3	-3	0	0	0	-2	0	-9	-9	Victuct larger than 300m required to cross flood plain. Scoring updated to reflect significance of structure.
6450	6500	0	-2	-2	0	-3	-2	-3	-3	0	0	0	-2	0	-9	-9	Victuct larger than 300m required to cross flood plain. Scoring updated to reflect significance of structure.
6500	6550	0	-2	-2	0	-3	-2	-3	-3	0	0	0	-2	0	-8	-8	Victuct larger than 300m required to cross flood plain. Scoring updated to reflect significance of structure.
6550	6600	0	-2	-2	0	-3	-2	0	0	0	0	0	-2	0	-5	-5	
6600	6650	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
6650	6700	0	-2	-2	0	-3	-1	0	0	0	0	-1	-2	0	-5	-5	
6700	6750	0	-2	-2	0	-3	-1	0	0	0	0	-1	-2	-3	-6	-6	
6750	6800	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
6800	6850	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	0	-4	-4	
6850	6900	0	-1	-2	0	-3	0	0	0	0	0	0	-2	0	-3	-3	
6900	6950	0	-1	-2	0	-3	0	0	0	0	0	0	-2	0	-5	-5	SEN high pressure gas main crosses alignment at this point. Proposed road level between 1 & 3m higher than existing ground level
6950	7000	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-5	-5	SEN high pressure gas main crosses alignment at this point. Proposed road level between 1 & 3m higher than existing ground level
7000	7050	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-5	-5	SEN high pressure gas main crosses alignment at this point. Proposed road level between 1 & 3m higher than existing ground level
7050	7100	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-5	-5	SEN high pressure gas main crosses alignment at this point. Proposed road level between 1 & 3m higher than existing ground level
7100	7150	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-5	-5	SEN high pressure gas main crosses alignment at this point. Proposed road level between 1 & 3m higher than existing ground level
7150	7200	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-5	-5	SEN high pressure gas main crosses alignment at this point. Proposed road level between 1 & 3m higher than existing ground level
7200	7250	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7250	7300	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7300	7350	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7350	7400	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7400	7450	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7450	7500	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7500	7550	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7550	7600	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7600	7650	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7650	7700	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7700	7750	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7750	7800	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7800	7850	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7850	7900	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7900	7950	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
7950	8000	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
8000	8050	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
8050	8100	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
8100	8150	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
8150	8200	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
8200	8250	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
8250	8300	0	0	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
8300	8350	0	-1	-2	0	-3	0	0	0	0	0	-2	-2	0	-3	-3	
8350	8400	0	-1	-2	0	-3	-1	0	0	0	0	-2	-2	0	-4	-4	

12950	13000	0	-3	-2	0	-3	-2	0	0	0	0	0	0	0	-3	0	-7	-7	Embankments up to 28.8m high on non-identified geotechnical constraint. Revision of vertical alignment should be investigated
13000	13050	0	-3	-2	0	-3	-2	0	0	0	0	0	0	-3	0	-7	-7	Embankments up to 28.8m high on non-identified geotechnical constraint. Revision of vertical alignment should be investigated	
13050	13100	0	-3	-2	0	-3	-2	0	0	0	0	0	0	-3	0	-7	-7	Embankments up to 28.8m high on non-identified geotechnical constraint. Revision of vertical alignment should be investigated	
13100	13150	0	-2	-2	0	-3	-1	0	0	0	0	0	0	-3	0	-5	-5		
13150	13200	0	-2	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13200	13250	0	-1	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13250	13300	0	-1	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13300	13350	0	-1	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13350	13400	0	-1	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13400	13450	0	-1	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13450	13500	0	-1	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13500	13550	0	0	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13550	13600	0	0	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13600	13650	0	0	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13650	13700	0	0	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13700	13750	0	0	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13750	13800	0	0	-2	0	-3	0	0	0	0	0	0	0	-3	0	-4	-4		
13800	13850																		
13850	13900																		

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

Rules
 Total Score
 and I) + Geo Score + Structures Score +
 Flooding Score (Average of L, M and N)

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

Chainage	Start Chainage	End Chainage	Criteria										Score	Adjusted Total	Comments				
			Alignment		Geotechnics		Structures		Flooding and Drainage		Utilities					Constructability			
			Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood plain	Watercourse Crossings	Attenuation requirement	Utilities				Construction access	Temp disruption		
0	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50	100		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100	150		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
150	200		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
200	250		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
250	300		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
300	350		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350	400		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
400	450		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
450	500		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
500	550		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
550	600		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
600	650		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
650	700		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
700	750		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
750	800		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
800	850		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
850	900		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
900	950		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
950	1000		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1000	1050		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1050	1100		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1100	1150		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1150	1200		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1200	1250		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1250	1300		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 44.5m in non-identified geotechnical constraints would represent an overall moderate impact.
1300	1350		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 44.5m in non-identified geotechnical constraints would represent an overall moderate impact.
1350	1400		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 44.5m in non-identified geotechnical constraints would represent an overall moderate impact.
1400	1450		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 44.5m combined with combination of moderate utility constraints would represent overall moderate impact.
1450	1500		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 44.5m combined with combination of moderate utility constraints would represent overall moderate impact.
1500	1550		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 44.5m combined with combination of moderate utility constraints would represent overall moderate impact.
1550	1600		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 44.5m combined with combination of moderate utility constraints would represent overall moderate impact.
1600	1650		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 53.8m combined with moderate utilities could be deemed as severe impact.
1650	1700		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 53.8m
1700	1750		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 53.8m combined with moderate utilities could be deemed as severe impact.
1750	1800		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 53.8m
1800	1850		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 53.8m
1850	1900		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 53.8m in non-identified geotechnical constraints would represent moderate overall impact.
1900	1950		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 43.8m in non-identified geotechnical constraints would represent moderate overall impact.
1950	2000		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 43.8m in non-identified geotechnical constraints would represent moderate overall impact.
2000	2050		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 43.8m in non-identified geotechnical constraints would represent moderate overall impact.
2050	2100		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 43.8m in non-identified geotechnical constraints would represent moderate overall impact.
2100	2150		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 43.8m in non-identified geotechnical constraints would represent moderate overall impact.
2150	2200		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 43.8m in non-identified geotechnical constraints would represent moderate overall impact.
2200	2250		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2250	2300		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2300	2350		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2350	2400		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2400	2450		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2450	2500		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2500	2550		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2550	2600		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2600	2650		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2650	2700		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2700	2750		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 34.3m in non-identified geotechnical constraints and rock would represent moderate impact.
2750	2800		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 34.3m in non-identified geotechnical constraints and rock would represent moderate impact.
2800	2850		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 34.3m in non-identified geotechnical constraints and rock would represent moderate impact.
2850	2900		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 34.3m in non-identified geotechnical constraints and rock would represent moderate impact.
2900	2950		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 34.3m in non-identified geotechnical constraints and rock would represent moderate impact.
2950	3000		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 34.3m in non-identified geotechnical constraints and rock would represent moderate impact.
3000	3050		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cuttings up to 34.3m in non-identified geotechnical constraints and rock would represent moderate impact.
3050	3100		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3100	3150		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3150	3200		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3200	3250		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3250	3300		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3300	3350		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3350	3400		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3400	3450		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Embankments up to 15.9m (but greater than 10m) high in non-identified geotechnical constraints.
3450	3500		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Embankments up to 15.9m (but greater than 10m) high in non-identified geotechnical constraints.
3500	3550		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Embankments up to 15.9m (but greater than 10m) high in non-identified geotechnical constraints.
3550	3600		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Embankments up to 15.9m (but greater than 10m) high in non-identified geotechnical constraints.
3600	3650		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Embankments up to 15.9m (but greater than 10m) high in non-identified geotechnical constraints.
3650	3700		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Embankments up to 15.9m (but greater than 10m) high in non-identified geotechnical constraints.
3700	3750		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Embankments up to 15.9m (but greater than 10m) high in non-identified geotechnical constraints.
3750	3800		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Embankments up to 15.9m (but greater than 10m) high in non-identified geotechnical constraints.
3800	3850		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Embankments up to 15.9m (but greater than 10m) high in non-identified geotechnical constraints.
3850	3900		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3900	3950		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3950	4000		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4000	4050		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

8950	9000	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	-2	-1	-3	-3	
9000	9050	0	-2	0	0	0	0	-1	0	0	0	0	0	0	0	-2	-1	-3	-3	
9050	9100	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
9100	9150	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-2	-2	
9150	9200	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-2	-2	
9200	9250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
9250	9300	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
9300	9350	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
9350	9400	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
9400	9450	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
9450	9500	0	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-1	-4	-4	
9500	9550	0	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-1	-4	-4	larger structure required to span the B class road and railway line. Determined as moderate impact.
9550	9600	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-1	-6	-6		
9600	9650	0	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-1	-6	-6	larger structure required to span the B class road and railway line. Determined as moderate impact.
9650	9700	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-3	-5	-6		
9700	9750	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-3	-3	-3		
9750	9800	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-3	-3	-3		
9800	9850	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-1	-3	-3		
9850	9900	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-1	-3	-3		
9900	9950	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-1	-3	-3		
9950	10000	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-1	-3	-3		
10000	10050	0	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-1	-5	-5	
10050	10100	0	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-1	-5	-5	
10100	10150	0	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-3	-1	-5	-5	
10150	10200	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4		
10200	10250	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	-4	-4		
10250	10300	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	-4	-4		
10300	10350	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	-4	-4		
10350	10400	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	-4	-4		
10400	10450	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	-4	-4		
10450	10500	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	-3	-3		
10500	10550	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
10550	10600	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
10600	10650	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
10650	10700	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
10700	10750	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
10750	10800	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	-4	-4		
10800	10850	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	-5	-6	Cuttings up to 26.2m high in rock would represent moderate impact.	
10850	10900	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	-5	-6	Cuttings up to 26.2m high in rock would represent moderate impact.	
10900	10950	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	-5	-6	Cuttings up to 26.2m high in rock would represent moderate impact.	
10950	11000	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	-5	-6	Cuttings up to 26.2m high in rock would represent moderate impact.	
11000	11050	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	-5	-6	Cuttings up to 26.2m high in rock would represent moderate impact.	
11050	11100	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	-4	-4		
11100	11150	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	-4	-4		
11150	11200	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11200	11250	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11250	11300	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11300	11350	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11350	11400	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11400	11450	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11450	11500	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11500	11550	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11550	11600	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11600	11650	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11650	11700	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11700	11750	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11750	11800	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	4	-4		
11800	11850	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	4	-4		
11850	11900	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	4	-4		
11900	11950	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
11950	12000	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12000	12050	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12050	12100	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12100	12150	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12150	12200	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12200	12250	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12250	12300	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12300	12350	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12350	12400	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12400	12450	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12450	12500	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	3	-3		
12500	12550	0	-1	0	0	0	0	0	0	0	0	0	0	0	-3	0	4	-4		
12550	12600	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
12600	12650	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
12650	12700	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
12700	12750	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
12750	12800	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
12800	12850	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
12850	12900	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
12900	12950	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
12950	13000	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
13000	13050	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	5	-6	Embankments up to 20.0m in non-identified geotechnical constraints. Scores upgraded to moderate.	
13050	13100	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	5	-6	Embankments up to 20.0m in non-identified geotechnical constraints. Scores upgraded to moderate.	
13100	13150	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	5	-6	Embankments up to 20.0m in non-identified geotechnical constraints. Scores upgraded to moderate.	
13150	13200	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	5	-6	Embankments up to 20.0m in non-identified geotechnical constraints. Scores upgraded to moderate.	
13200	13250	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
13250	13300	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
13300	13350	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
13350	13400	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	5	-6	Embankments up to 20.0m in non-identified geotechnical constraints. Scores upgraded to moderate.	
13400	13450	0	-2	0	0	0	0	-2	0	0	0	0	0	0	-3	0	5	-6	Embankments up to 20.0m in non-identified geotechnical constraints. Scores upgraded to moderate.	
13450	13500	0	-2	0	0	0	0	-1	0	0	0	0	0	0	-3	0	4	-4		
1																				

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

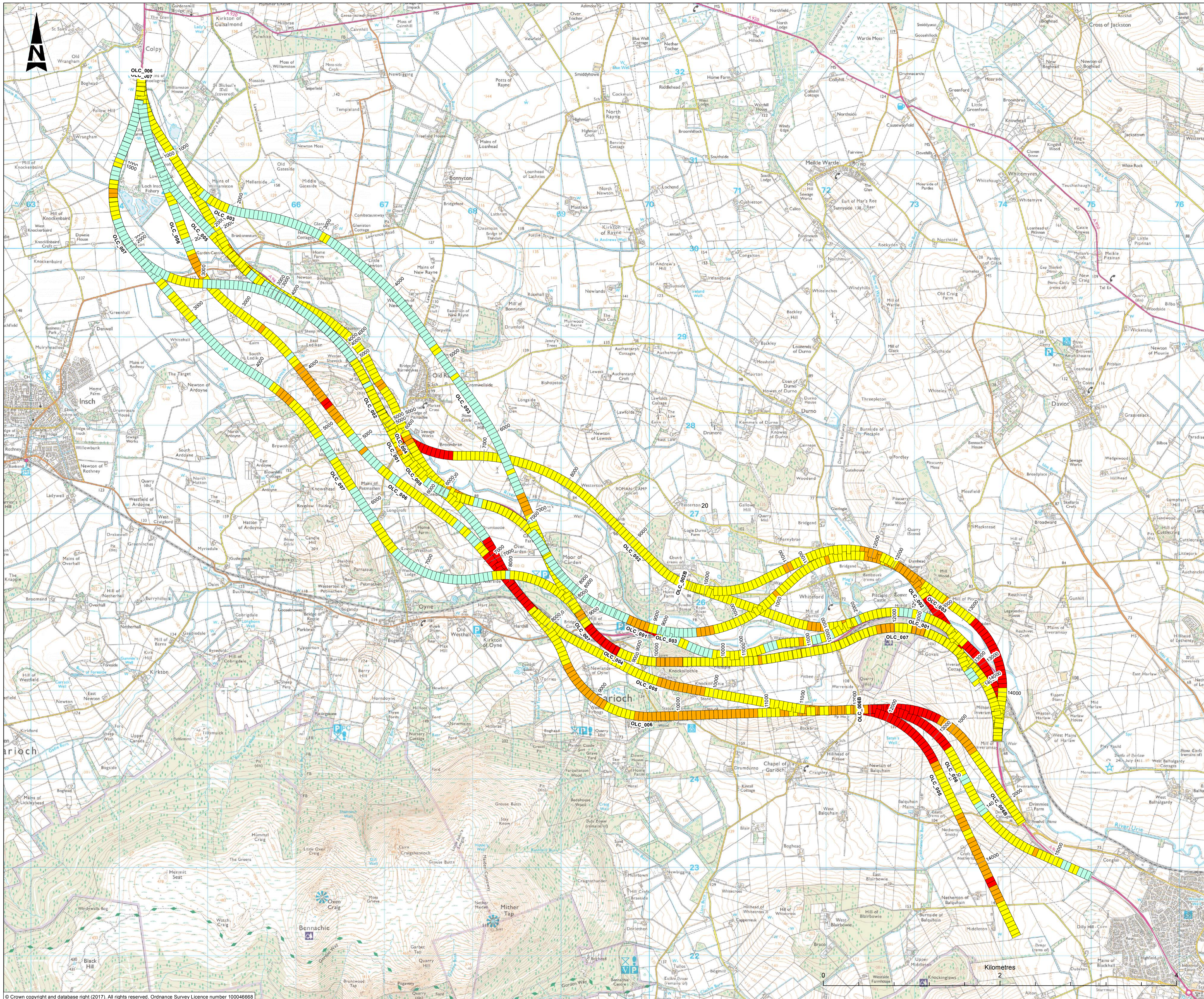
Rules
 Total Score
 and I) + Geo Score + Structures Score +
 Flooding Score (Average of L, M and N)

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

Chainage	Start Chainage	End Chainage	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics		Structures		Flooding and Drainage		Utilities		Constructability	Temp disruption	Score	Adjusted Total	Comments	
								Geotechnics	Earthworks	Structures	Geotechnics	Flood plain	Watercourse Crossings	Utilities	Construction access						
0	50		0	0	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
50	100		0	0	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
100	150		0	-1	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
150	200		0	-1	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
200	250		0	-1	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
250	300		0	-1	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
300	350		0	-1	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
350	400		0	-1	-2	-2	0	-2	0	0	0	0	0	0	0	0	-3	-5	-5	Embankments up to 14.8m high on compressible soils.	
400	450		0	-1	-2	-2	0	-2	0	0	0	0	0	0	0	0	-3	-5	-5	Embankments up to 14.8m high on compressible soils.	
450	500		0	-2	-2	-2	0	-2	-2	0	0	0	0	0	0	0	-3	-8	-9	Underbridge required on compressible soils. Score upgraded to significant.	
500	550		0	-2	-2	-2	0	-2	-2	0	0	0	0	0	0	0	-9	-8	-9	Underbridge required on compressible soils. Score upgraded to significant.	
550	600		0	-2	-2	-2	0	-2	-2	0	0	0	0	0	0	0	-3	-8	-9	Underbridge required on compressible soils. Score upgraded to significant.	
600	650		0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
650	700		0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
700	750		0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
750	800		0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-5	-5		
800	850		0	-2	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-1	-1		
850	900		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-1	-1		
900	950		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-1	-1		
950	1000		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-1	-1		
1000	1050		0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-1	-1		
1050	1100		0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-1	-1		
1100	1150		0	-1	-2	-2	0	0	0	0	0	0	0	-2	0	0	0	-3	-3		
1150	1200		0	-1	-2	-2	0	0	0	0	0	0	0	-2	0	0	0	-3	-3		
1200	1250		0	-1	-2	-2	0	-1	0	0	0	0	0	-2	0	0	-2	-6	-6		275mm S&H High pressure gas main combined with cuttings up to 17.8m. Scores upgraded to moderate.
1250	1300		0	-2	-2	-2	0	-1	0	0	0	0	0	-2	0	0	0	-4	-4		275mm S&H High pressure gas main combined with cuttings up to 17.8m. Scores upgraded to moderate.
1300	1350		0	-2	-2	-2	0	-2	0	0	0	0	0	-2	0	0	0	-5	-6		Cuttings up to 37.5m in non-identified geo constraints and rocks. Combination of moderate and slight utility diversions. Upgraded to moderate.
1350	1400		0	-3	-2	-2	0	-2	0	0	0	0	0	-2	0	0	0	-5	-6		Cuttings up to 37.5m in non-identified geo constraints and rocks. Combination of moderate and slight utility diversions. Upgraded to moderate.
1400	1450		0	-3	-2	-2	0	-2	0	0	0	0	0	-2	0	0	0	-6	-6		Cuttings up to 37.5m in non-identified geo constraints and rocks. Combination of moderate and slight utility diversions. Upgraded to moderate.
1450	1500		0	-3	-2	-2	0	-2	0	0	0	0	0	-1	0	0	0	-5	-6		Cuttings up to 37.5m in non-identified geo constraints and rocks. Combination of moderate and slight utility diversions. Upgraded to moderate.
1500	1550		0	-3	-2	-2	0	-2	0	0	0	0	0	-1	0	0	0	-5	-6		Cuttings up to 37.5m in non-identified geo constraints and rocks. Combination of moderate and slight utility diversions. Upgraded to moderate.
1550	1600		0	-3	-2	-2	0	-2	0	0	0	0	0	-1	0	0	0	-6	-6		Cuttings up to 37.5m in non-identified geo constraints and rocks. Combination of moderate and slight utility diversions. Upgraded to moderate.
1600	1650		0	-3	-2	-2	0	-2	0	0	0	0	0	-2	0	0	0	-5	-6		Cuttings up to 37.5m in non-identified geo constraints and rocks. Combination of moderate and slight utility diversions. Upgraded to moderate.
1650	1700		0	-3	-2	-2	0	-2	0	0	0	0	0	-2	0	0	0	-7	-7		Cuttings up to 37.5m in non-identified geo constraints and rocks. Combination of moderate and slight utility diversions. Upgraded to moderate.
1700	1750		0	-3	-2	-2	0	-2	0	0	0	0	0	-2	0	0	0	-7	-7		Cuttings up to 37.5m in non-identified geo constraints and rocks. Combination of moderate and slight utility diversions. Upgraded to moderate.
1750	1800		0	-2	-2	-2	0	-2	0	0	0	0	0	-1	0	0	0	-6	-6		Cuttings up to 37.5m in non-identified geo constraints and rocks. Combination of moderate and slight utility diversions. Upgraded to moderate.
1800	1850		0	-2	-2	-2	0	0	0	0	0	0	0	-1	0	0	0	-4	-4		
1850	1900		0	-1	-2	-2	0	0	0	0	0	0	0	-1	0	0	0	-4	-4		
1900	1950		0	0	-2	-2	0	0	0	0	0	0	0	-2	0	0	0	-3	-3		
1950	2000		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2000	2050		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2050	2100		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2100	2150		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2150	2200		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2200	2250		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2250	2300		0	-1	-2	-2	0	0	0	0	0	0	0	-1	0	0	0	-4	-4		ES&E HIGH Voltage line 33kV
2300	2350		0	-1	-2	-2	0	0	0	0	0	0	0	-1	0	0	0	-4	-4		ES&E HIGH Voltage line 33kV
2350	2400		0	-1	-2	-2	0	0	0	0	0	0	0	-1	0	0	0	-4	-4		ES&E HIGH Voltage line 33kV
2400	2450		0	-1	-2	-2	0	0	0	0	0	0	0	-1	0	0	0	-4	-4		ES&E HIGH Voltage line 33kV
2450	2500		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2500	2550		0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2550	2600		0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2600	2650		0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2650	2700		0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2700	2750		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2750	2800		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2800	2850		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2850	2900		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2900	2950		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
2950	3000		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
3000	3050		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
3050	3100		0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
3100	3150		0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
3150	3200		0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
3200	3250		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
3250	3300		0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	0	-3	-3		
3300	3350		0	-1	-2	-2	0	-1	0	0	0	0	0	0	0	0	0	-4	-4		
3350	3400		0	-1	-2	-2	0	-1	0	0	0	0	0	0	0	0	0	-4	-4		
3400	3450		0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	0	-4	-4		
3450	3500		0	-2	-2	-2	0	-2	0	0	0	0	0	0	0	0	0	-4	-4		
3500	3550		0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	0	-4	-4		
3550	3600		0	-2	-2	-2	0	-2	-2	0	0	0	0	0	0	0	0	-7	-7		496 in 32m cutting at overbridge. Represents significant impact.
3600	3650		0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	0	-5	-6		Cuttings up to 32.8m in non-identified geo constraint or rock. Upgraded to moderate impact.
3650	3700		0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	0	-5	-6		Cuttings up to 32.8m in non-identified geo constraint or rock. Upgraded to moderate impact.
3700	3750		0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	0	-5	-6		Cuttings up to 32.8m in non-identified geo constraint or rock. Upgraded to moderate impact.
3750	3800		0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	0	-5	-6		Cuttings up to 32.8m in non-identified geo constraint or rock. Upgraded to moderate impact.
3800	3850		0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	0	-5	-6		Cuttings up to 32.8m in non-identified geo constraint or rock. Upgraded to moderate impact.
3850	3900		0	-3	-2	-2	0	-1	0	0	0	0	0	0	0	0	0	-4	-4		
3900	3950		0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	0	-4	-4		

8600	8650	0	-2	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-5	-6	Embankments up to 19m high on potentially compressible soils and an area of potentially contaminated land. Upgraded to moderate.
8650	8700	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-2	-1	-4	-4	
8700	8750	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-2	-1	-4	-4	
8750	8800	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
8800	8850	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
8850	8900	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
8900	8950	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
8950	9000	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-2	-1	-4	-4	
9000	9050	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-2	-1	-4	-4	
9050	9100	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-2	-1	-4	-4	
9100	9150	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-2	-1	-4	-4	
9150	9200	0	-2	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-5	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9200	9250	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-5	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9250	9300	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-5	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9300	9350	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-5	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9350	9400	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-5	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9400	9450	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-5	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9450	9500	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-5	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9500	9550	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-5	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9550	9600	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	-1	-2	-1	-6	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9600	9650	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-6	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9650	9700	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	-1	-2	-1	-6	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9700	9750	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-3	-6	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9750	9800	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-3	-6	-6	Cuttings up to 32.0m on non-identified geo constraints and rock. Upgraded to moderate. Minor utility diversions present.
9800	9850	0	-3	-2	-2	0	-1	0	0	0	0	0	0	0	0	-2	-1	-4	-4	
9850	9900	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-2	-1	-4	-4	
9900	9950	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-2	-1	-4	-4	
9950	10000	0	-2	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
10000	10050	0	-1	-2	-2	0	-2	0	0	0	0	0	0	0	0	-2	-1	-5	-5	Overbridge required to allow a C-class road to cross the A96. Assuming 30m+ span but may be affected by depth of cut.
10050	10100	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
10100	10150	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
10150	10200	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
10200	10250	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
10250	10300	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
10300	10350	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
10350	10400	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-2	-1	-3	-3	
10400	10450	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-1	-5	-5	
10450	10500	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-1	-5	-5	
10500	10550	0	-2	-2	-2	0	-1	0	0	0	0	0	0	0	0	-3	-1	-5	-5	
10550	10600	0	-2	-2	-2	0	-2	0	0	0	0	0	0	0	0	-3	-1	-6	-6	Embankments up to 22.3m on possible railway contaminated land. Structure on significant skew. 300mm distribution main present in area.
10600	10650	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-3	-1	-10	-10	Embankments up to 22.3m on possible railway contaminated land. Structure on significant skew. 300mm distribution main present in area.
10650	10700	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-3	-1	-10	-10	Embankments up to 22.3m on possible railway contaminated land. Structure on significant skew. 300mm distribution main present in area.
10700	10750	0	-3	-2	-2	0	-3	-3	-3	0	0	0	0	0	0	-3	-1	-11	-11	300m+ viaduct required to span area susceptible to flooding.
10750	10800	0	-3	-2	-2	0	-3	-3	-3	0	0	0	0	0	0	-3	-1	-11	-11	300m+ viaduct required to span area susceptible to flooding.
10800	10850	0	-3	-2	-2	0	-3	-3	-3	0	0	0	0	0	0	-3	-1	-11	-11	300m+ viaduct required to span area susceptible to flooding.
10850	10900	0	-3	-2	-2	0	-3	-3	-3	0	0	0	0	0	0	-3	-1	-11	-11	300m+ viaduct required to span area susceptible to flooding.
10900	10950	0	-3	-2	-2	0	-3	-3	-3	0	0	0	0	0	0	-3	-1	-11	-11	300m+ viaduct required to span area susceptible to flooding.
10950	11000	0	-3	-2	-2	0	-3	-3	-3	0	0	0	0	0	0	-3	-1	-11	-11	300m+ viaduct required to span area susceptible to flooding.
11000	11050	0	-3	-2	-2	0	-3	-3	-3	0	0	0	0	0	0	-3	-1	-11	-11	300m+ viaduct required to span area susceptible to flooding.
11050	11100	0	-3	-2	-2	0	-2	0	0	0	0	0	0	0	0	-3	-1	-6	-6	Embankments up to 24.2m on potentially compressible soils.
11100	11150	0	-2	-2	-2	0	-2	0	0	0	0	0	0	0	0	-3	-1	-6	-6	Embankments up to 24.2m on potentially compressible soils.
11150	11200	0	-2	-2	-2	0	-2	0	0	0	0	0	0	0	0	-3	-1	-6	-6	Embankments up to 24.2m on potentially compressible soils.
11200	11250	0	-2	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11250	11300	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11300	11350	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11350	11400	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11400	11450	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11450	11500	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11500	11550	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11550	11600	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11600	11650	0	-1	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11650	11700	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11700	11750	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11750	11800	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11800	11850	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11850	11900	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11900	11950	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
11950	12000	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
12000	12050	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
12050	12100	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
12100	12150	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
12150	12200	0	0	-2	-2	0	0	0	0	0	0	0	0	0	0	-3	-1	-4	-4	
12200	12250	0	0	-2	-2	0	0													

13450	13500	0	-3	-2	-2	0	-2	0	0	0	0	0	0	-3	0	-6	-6	Embankments up to 24.6m high on non identified geo constraints.
13500	13550	0	-3	-2	-2	0	-2	0	0	0	0	0	0	-3	0	-6	-6	Embankments up to 24.6m high on non identified geo constraints.
13550	13600	0	-3	-2	-2	0	-2	0	0	0	0	0	0	-3	0	-6	-6	Embankments up to 24.6m high on non identified geo constraints.
13600	13650	0	-3	-2	-2	0	-2	0	0	0	0	0	0	-3	0	-6	-6	Embankments up to 24.6m high on non identified geo constraints.
13650	13700	0	-3	-2	-2	0	-2	0	0	0	0	0	0	-3	0	-6	-6	Embankments up to 24.6m high on non identified geo constraints.
13700	13750	0	-3	-2	-2	0	-2	0	0	0	0	0	0	-3	0	-6	-6	Embankments up to 24.6m high on non identified geo constraints.
13750	13800	0	-3	-2	-2	0	-2	0	0	0	0	0	0	-3	0	-6	-6	Embankments up to 24.6m high on non identified geo constraints.
13800	13850	0	-3	-2	-2	0	-2	0	0	0	0	0	0	-3	0	-6	-6	Embankments up to 24.6m high on non identified geo constraints.
13850	13900	0	-3	-2	-2	0	-2	0	0	0	0	0	0	-3	0	-6	-6	Embankments up to 24.6m high on non identified geo constraints.
13900	13950	0	-3	-2	-2	0	-2	0	0	0	0	0	0	-3	0	-6	-6	Embankments up to 24.6m high on non identified geo constraints.
13950	14000	0	-2	-2	-2	0	-1	0	0	0	0	0	0	-3	0	-5	-5	
14000	14050	0	-2	-2	-2	0	-1	0	0	0	0	0	0	-3	0	-5	-5	
14050	14100	0	-1	-2	-2	0	0	0	0	0	0	0	0	-3	0	-4	-4	
14100	14150	0	-1	-2	-2	0	0	0	0	0	0	0	0	-3	0	-4	-4	
14150	14200	0	-1	-2	-2	0	0	0	0	0	0	0	0	-3	0	-4	-4	
14200	14250	0	-1	-2	-2	0	0	0	0	0	0	0	0	-3	0	-4	-4	
14250	14300	0	-1	-2	-2	0	0	0	0	0	0	0	0	-3	0	-4	-4	
14300	14350	0	-1	-2	-2	0	0	0	0	0	0	0	0	-3	0	-4	-4	
14350	14400	0	-1	-2	-2	0	0	0	0	0	0	0	0	-3	0	-4	-4	
14400	14450	0	-1	-2	-2	0	0	0	0	0	0	0	0	-3	0	-4	-4	
14450	14500	0	-1	-2	-2	0	-1	0	0	0	0	0	0	-3	0	-5	-5	Cuttings up to 11.0m (but greater than 50m) high in rock.
14500	14550	0	-1	-2	-2	0	-1	0	0	0	0	0	0	-3	0	-5	-5	Cuttings up to 11.0m (but greater than 50m) high in rock.
14550	14600																	



LEGEND

Combined Engineering Appraisal

- Major Adverse
- Moderate Adverse
- Slight Adverse
- Neutral

P01	First Fix Appraisal				
	JSE	RO	JG	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
 McNeil Drive
 Motherwell
 ML1 4UR



Client
 58 Port Dundas Road
 Glasgow
 G4 0HF



Project Name
A96 Dualling: East of Huntly to Aberdeen

Drawing Title
OLC - 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	-101001	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S2	For Information	P01.01

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 ambers.

Chainage	Start Chainage	End Chainage	Alignment						Geotechnics		Structures		Flooding and Drainage		Utilities		Constructability		Score		Comments
			Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Adjusted	Total				
0	50		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-6	-6	
50	100		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-6	-6	
100	150		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-6	-6	
150	200		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-6	-6	
200	250		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
250	300		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
300	350		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
350	400		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
400	450		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
450	500		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
500	550		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
550	600		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
600	650		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-6	-6	
650	700		0	0	-2	0	0	-1	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
700	750		0	0	-2	0	0	-1	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
750	800		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
800	850		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
850	900		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
900	950		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
950	1000		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
1000	1050		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
1050	1100		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
1100	1150		0	0	-2	0	0	-2	0	0	0	0	0	0	0	-1	0	-2	-5	-5	
1150	1200		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-3	-3	
1200	1250		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
1250	1300		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
1300	1350		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
1350	1400		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
1400	1450		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-3	-3	
1450	1500		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-3	-3	
1500	1550		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-3	-3	
1550	1600		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-3	-3	
1600	1650		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	0	-2	-3	-3	
1650	1700		0	0	-2	0	0	-1	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
1700	1750		0	0	-2	0	0	-1	0	0	0	0	0	0	0	-1	0	-2	-4	-4	
1750	1800		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
1800	1850		0	-1	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
1850	1900		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
1900	1950		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
1950	2000		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
2000	2050		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
2050	2100		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
2100	2150		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
2150	2200		0	0	-2	0	0	-1	0	-1	0	0	0	0	0	-1	0	-2	-5	-5	
2200	2250		0	0	-2	0	0	-2	0	-1	0	0	0	0	0	-1	0	-2	-6	-6	Cutting up to 6.8m in made ground (historic mill) potential source of contamination. Temporary disruption issues also.
2250	2300		0	0	-2	0	0	-2	0	-1	0	0	0	0	0	-1	0	-2	-6	-6	Cutting up to 6.8m in made ground (historic mill) potential source of contamination. Temporary disruption issues also.
2300	2350		0	0	-2	0	0	0	0	-1	0	0	0	0	0	-1	0	-2	-4	-4	
2350	2400		0	0	-2	0	0	0	0	-1	0	0	0	0	0	-1	0	-2	-4	-4	
2400	2450		0	0	-2	0	0	0	0	-1	0	0	0	0	0	-1	0	-2	-4	-4	
2450	2500		0	0	-2	0	0	0	0	-1	0	0	0	0	0	-1	0	-2	-4	-4	
2500	2550		0	0	-2	0	0	0	-2	-1	0	0	0	0	0	-1	0	-2	-4	-4	Adjusted manually to account for new overbridge
2550	2600		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
2600	2650		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
2650	2700		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
2700	2750		0	-2	-2	0	0	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
2750	2800		0	-2	-2	0	0	-1	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	
2800	2850		0	-2	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
2850	2900		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
2900	2950		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
2950	3000		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
3000	3050		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
3050	3100		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
3100	3150		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3150	3200		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3200	3250		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3250	3300		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3300	3350		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3350	3400		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3400	3450		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3450	3500		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3500	3550		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
3550	3600		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
3600	3650		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
3650	3700		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3700	3750		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3750	3800		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3800	3850		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3850	3900		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3900	3950		0	0	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	
3950	4000		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
4000	4050		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	
4050	4100		0	-1	-2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	

4100	4150	0	-1	-2	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
4150	4200	0	-2	-2	0	0	-2	-2	0	0	0	0	-1	-1	-6	-6	Embankment on potentially compressible material. New Underbridge across the Shevlock and adjacent farm road. Total length is 250m. Total length may be reduced by amending the vertical alignment.	
4200	4250	0	-2	-2	0	0	-2	-2	0	0	0	0	-1	-1	-6	-6	Embankment on potentially compressible material. New Underbridge across the Shevlock and adjacent farm road. Total length is 250m. Total length may be reduced by amending the vertical alignment.	
4250	4300	0	-2	-2	0	0	-2	-2	0	0	0	0	-1	-1	-6	-6	Embankment on potentially compressible material. New Underbridge across the Shevlock and adjacent farm road. Total length is 250m. Total length may be reduced by amending the vertical alignment.	
4300	4350	0	-2	-2	0	0	-2	-2	0	0	0	0	-1	-1	-6	-6	Embankment on potentially compressible material. New Underbridge across the Shevlock and adjacent farm road. Total length is 250m. Total length may be reduced by amending the vertical alignment.	
4350	4400	0	-2	-2	0	0	0	-2	0	0	0	0	-1	-1	-4	-6	Adjusted manually to account for New Underbridge across the Shevlock and adjacent farm road. Total length is 250m. Total length may be reduced by amending the vertical alignment.	
4400	4450	0	-1	-2	0	0	0	-2	0	0	0	0	-1	-1	-4	-6	Adjusted manually to account for New Underbridge across the Shevlock and adjacent farm road. Total length is 250m. Total length may be reduced by amending the vertical alignment.	
4450	4500	0	-1	-2	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
4500	4550	0	-1	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-4	-4	
4550	4600	0	0	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
4600	4650	0	0	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
4650	4700	0	0	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
4700	4750	0	-1	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-4	-4	
4750	4800	0	-1	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-4	-4	
4800	4850	0	-1	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-4	-4	
4850	4900	0	-1	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-4	-4	
4900	4950	0	0	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
4950	5000	0	0	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
5000	5050	0	0	-2	0	0	0	0	0	0	0	0	-2	-1	-1	-3	-3	
5050	5100	0	-1	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-5	-5	
5100	5150	0	-1	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-5	-5	
5150	5200	0	0	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
5200	5250	0	0	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
5250	5300	0	0	-2	0	0	-1	0	0	0	0	0	-3	-1	-1	-5	-6	Manually adjusted to take account of SGN Above Ground Installation Site within alignment. Major Adverse Impact as resultant diversion / relocation would be costly.
5300	5350	0	0	-2	0	0	-1	0	0	0	0	0	-3	-1	-1	-5	-6	Manually adjusted to take account of SGN Above Ground Installation Site within alignment. Major Adverse Impact as resultant diversion / relocation would be costly.
5350	5400	0	0	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
5400	5450	0	0	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
5450	5500	0	0	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
5500	5550	0	0	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
5550	5600	0	0	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
5600	5650	0	0	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
5650	5700	0	0	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
5700	5750	0	0	-2	0	0	-1	0	0	0	0	0	-2	-1	-1	-4	-4	
5750	5800	0	0	-2	0	0	-1	0	0	0	0	0	-1	-1	-2	-2		
5800	5850	0	0	-2	0	0	-1	0	0	0	0	0	-1	-1	-2	-2		
5850	5900	0	0	-2	0	0	-1	0	0	0	0	0	-1	-1	-2	-2		
5900	5950	0	0	-2	0	0	-1	0	0	0	0	0	-1	-1	-2	-2		
5950	6000	0	0	-2	0	0	-1	0	0	0	0	0	-1	-1	-2	-2		
6000	6050	0	0	-2	0	0	-1	0	0	0	0	0	-1	-1	-2	-2		
6050	6100	0	0	-2	0	0	-1	0	-1	0	0	0	-1	-1	-3	-3		
6100	6150	0	0	-2	0	0	-1	0	-1	0	0	0	0	-2	-4	-4		
6150	6200	0	0	-2	0	0	-1	0	-1	0	0	0	0	-2	-4	-4		
6200	6250	0	0	-2	0	0	-1	0	-1	0	0	0	0	-2	-4	-4		
6250	6300	0	0	-2	0	0	-1	0	-1	0	0	0	0	-2	-4	-4		
6300	6350	0	0	-2	0	0	-1	0	-1	0	0	0	0	-2	-4	-4		
6350	6400	0	0	-2	0	0	0	0	0	0	0	0	0	-2	-2	-2		
6400	6450	0	0	-2	0	0	0	0	0	0	0	0	0	-2	-2	-2		
6450	6500	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
6500	6550	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
6550	6600	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
6600	6650	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
6650	6700	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
6700	6750	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
6750	6800	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
6800	6850	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
6850	6900	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
6900	6950	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
6950	7000	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
7000	7050	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
7050	7100	0	-1	-2	0	0	0	0	0	0	0	0	0	-2	-3	-3		
7100	7150	0	0	-2	0	0	0	0	0	0	0	0	0	-2	-2	-2		
7150	7200	0	0	-2	0	0	0	0	0	0	0	0	0	-2	-2	-2		
7200	7250	0	0	-2	0	0	0	0	0	0	0	0	0	-2	-2	-2		
7250	7300	0	0	-2	0	0	0	0	0	0	0	0	0	-2	-2	-2		
7300	7350	0	0	-2	0	0	0	0	0	0	0	0	0	-2	-2	-2		
7350	7400	0	0	-2	0	0	0	0	0	0	0	0	0	-2	-2	-2		
7400	7450	0	0	-2	0	0	0	0	0	0	0	0	-1	0	-2	-3	-3	
7450	7500	0	0	-2	0	0	0	0	0	0	0	0	0	-2	-2	-2		
7500	7550	0	0	-2	0	0	0	0	0	0	0	0	0	-2	-2	-2		
7550	7600	0	-1	-2	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
7600	7650	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
7650	7700	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
7700	7750	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
7750	7800	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
7800	7850	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
7850	7900	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
7900	7950	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
7950	8000	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
8000	8050	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
8050	8100	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
8100	8150	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
8150	8200	0	-1	-2	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8200	8250	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
8250	8300	0	0	-2	0	0	0	0	0	0	0	0	-1	-1	-1	-1		
8300	8350	0	-1	-2	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8350	8400	0	-1	-2	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8400	8450	0	-1	-2	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8450	8500	0	-1	-2	0	0	0	0	0	0	0	0	-1	-1	-2	-2		
8500	8550	0	-1	-2	0	0	-1	-3	0	0	0	0	-1	-1	-6	-9	Manually adjusted to reflect New Underbridge across Gadie Burn and adjacent farm road. Total length is 450m. Total length may be reduced by amending the vertical alignment to approx. 250m.	
8550	8600	0	-2	-2	0	0	-1	-3	0	0	0	0	-1	-1	-6	-9	Manually adjusted to reflect New Underbridge across Gadie Burn and adjacent farm road. Total length is 450m. Total length may be reduced by amending the vertical alignment to approx. 250m.	
8600	8650	0	-2	-2	0	0	-1	-3	0	0	0	0	-1	-1	-6	-9	Manually adjusted to reflect New Underbridge across Gadie Burn and adjacent farm road. Total length is 450m. Total length may be reduced by amending the vertical alignment to approx. 250m.	
8650	8700	0	-2	-2	0	0	-1	-3	-3	0	0	0	-1	-1	-7	-9	Manually adjusted to reflect New Underbridge across Gadie Burn and adjacent farm road. Total length is 450m. Total length may be reduced by amending the vertical alignment to approx. 250m.	
8700	8750	0	-2	-2	0	0	-2	-3	-3	0	-1	0	-1	-1	-8	-9	Manually adjusted to reflect New Underbridge across Gadie Burn and adjacent farm road. Total length is 450m. Total length may be reduced by amending the vertical alignment to approx. 250m.	

13050	13100	0	-2	-2	0	0	-1	-3	-2	0	0	0	0	0	-2	-7	-9	New underbridge over River Urie and railway line. Adjusted value to reflect length of structure
13100	13150	0	-2	-2	0	0	-1	-3	0	0	0	0	0	0	-2	-7	-9	New underbridge over River Urie and railway line. Adjusted value to reflect length of structure
13150	13200	0	-2	-2	0	0	-1	-3	0	0	0	-1	0	0	-2	-8	-9	New underbridge over River Urie and railway line. Adjusted value to reflect length of structure
13200	13250	0	-2	-2	0	0	-1	-3	0	0	0	-1	0	0	-2	-8	-9	New underbridge over River Urie and railway line. Adjusted value to reflect length of structure
13250	13300	0	-1	-2	0	0	-1	-3	0	0	0	-1	0	0	-2	-8	-9	New underbridge over River Urie and railway line. Adjusted value to reflect length of structure
13300	13350	0	-1	-2	0	0	-1	-3	0	0	0	-1	0	0	-2	-8	-9	New underbridge over River Urie and railway line. Adjusted value to reflect length of structure
13350	13400	0	-1	-2	0	0	0	-3	0	0	0	-1	0	0	-2	-7	-9	New underbridge over River Urie and railway line. Adjusted value to reflect length of structure
13400	13450	0	-1	-2	0	0	0	-3	0	0	0	-1	0	0	-2	-7	-9	New underbridge over River Urie and railway line. Adjusted value to reflect length of structure
13450	13500	0	-1	-2	0	0	0	0	0	0	0	-1	0	0	-2	-4	-4	
13500	13550	0	-1	-2	0	0	0	0	0	0	0	-1	0	0	-2	-4	-4	
13550	13600	0	-1	-2	0	0	0	0	0	0	0	-1	0	0	-2	-4	-4	
13600	13650	0	-1	-2	0	0	0	0	0	0	0	-1	0	0	-2	-4	-4	
13650	13700	0	-1	-2	0	0	0	0	0	0	0	-1	0	0	-2	-4	-4	
13700	13750	0	-1	-2	0	0	0	0	-1	0	0	-1	0	0	-2	-4	-4	
13750	13800	0	-1	-2	0	0	0	0	-1	0	0	-1	0	0	-2	-4	-4	
13800	13850	0	0	-2	0	0	0	0	-1	0	0	-1	0	0	-2	-4	-4	
13850	13900	0	0	-2	0	0	0	0	-1	0	0	-1	0	0	-2	-4	-4	
13900	13950	0	0	-2	0	0	0	0	-1	0	0	-1	0	0	-2	-4	-4	
13950	14000																	
14000	14050																	

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 ambers.

Chainage	Start Chainage	End Chainage	Alignment						Structures	Geotechnics	Flooding and Drainage			Utilities	Constructability		Score	Comments
			Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Earthworks			Flood Plain	Watercourse Crossings	Attenuation requirement		Construction access	Temp disruption		
0	50		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-3	
50	100		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-3	
100	150		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-3	
150	200		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-3	
200	250		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-3	
250	300		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-3	
300	350		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
350	400		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
400	450		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
450	500		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
500	550		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
550	600		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
600	650		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
650	700		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
700	750		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
750	800		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
800	850		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
850	900		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
900	950		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
950	1000		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
1000	1050		0	0	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
1050	1100		0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
1100	1150		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
1150	1200		0	-1	-2	-2	0	-1	0	0	0	0	0	-1	-1	-1	-3	
1200	1250		0	-2	-2	-2	0	-1	0	0	0	0	-2	-1	-1	-1	-5	
1250	1300		0	-2	-2	-2	0	-1	-1	0	0	0	-2	-1	-1	-1	-6	300mm SGN high pressure gas main crosses alignment at this point. Proposed road level between 4 and 16m higher than existing over this length & New underbridge over the kellock flood plain. Total length 150m.
1300	1350		0	-2	-2	-2	0	-2	-1	0	0	0	-2	-1	-1	-1	-7	300mm SGN high pressure gas main crosses alignment at this point. Proposed road level between 4 and 16m higher than existing over this length & New underbridge over the kellock flood plain. Total length 150m.
1350	1400		0	-2	-2	-2	0	-2	-1	0	0	0	-2	-1	-1	-1	-7	300mm SGN high pressure gas main crosses alignment at this point. Proposed road level between 4 and 16m higher than existing over this length & New underbridge over the kellock flood plain. Total length 150m.
1400	1450		0	-2	-2	-2	0	-2	-1	0	0	0	-2	-1	-1	-1	-7	300mm SGN high pressure gas main crosses alignment at this point. Proposed road level between 4 and 16m higher than existing over this length & New underbridge over the kellock flood plain. Total length 150m.
1450	1500		0	-2	-2	-2	0	-1	0	0	0	0	-2	-1	-1	-1	-5	
1500	1550		0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
1550	1600		0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
1600	1650		0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
1650	1700		0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
1700	1750		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
1750	1800		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
1800	1850		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
1850	1900		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
1900	1950		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
1950	2000		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2000	2050		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2050	2100		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2100	2150		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2150	2200		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2200	2250		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2250	2300		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2300	2350		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2350	2400		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2400	2450		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2450	2500		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2500	2550		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2550	2600		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
2600	2650		0	0	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
2650	2700		0	0	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
2700	2750		0	0	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
2750	2800		0	0	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
2800	2850		0	0	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
2850	2900		0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
2900	2950		0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
2950	3000		0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-1	-4	
3000	3050		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3050	3100		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3100	3150		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3150	3200		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3200	3250		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3250	3300		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3300	3350		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3350	3400		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3400	3450		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3450	3500		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3500	3550		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3550	3600		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3600	3650		0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3650	3700		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3700	3750		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	
3750	3800		0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-1	-2	

3800	3850	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
3850	3900	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
3900	3950	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
3950	4000	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4000	4050	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4050	4100	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4100	4150	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4150	4200	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4200	4250	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4250	4300	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4300	4350	0	0	-2	-2	0	0	-2	0	0	0	0	-1	-1	-4	-4	
4350	4400	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4400	4450	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4450	4500	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4500	4550	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4550	4600	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4600	4650	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4650	4700	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4700	4750	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4750	4800	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4800	4850	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4850	4900	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-2	
4900	4950	0	-1	-2	-2	0	0	-3	0	0	0	0	-1	-1	-5	-9	Manual adjustment to reflect New Viaduct across Gadie Burn and adjacent farm road. Total length is 450m.
4950	5000	0	-1	-2	-2	0	0	-3	0	0	0	0	-1	-1	-5	-9	Manual adjustment to reflect New Viaduct across Gadie Burn and adjacent farm road. Total length is 450m.
5000	5050	0	-2	-2	-2	0	-2	-3	0	0	0	0	-1	-1	-7	-9	New Viaduct across Gadie Burn and adjacent farm road. Total length is 450m. Potentially compressible material at this location.
5050	5100	0	-2	-2	-2	0	-2	-3	0	0	0	0	-1	-1	-7	-9	New Viaduct across Gadie Burn and adjacent farm road. Total length is 450m. Potentially compressible material at this location.
5100	5150	0	-2	-2	-2	0	-2	-3	0	0	0	0	-1	-1	-7	-9	New Viaduct across Gadie Burn and adjacent farm road. Total length is 450m. Potentially compressible material at this location.
5150	5200	0	-2	-2	-2	0	-2	-3	0	0	0	0	-1	-1	-7	-9	New Viaduct across Gadie Burn and adjacent farm road. Total length is 450m. Potentially compressible material at this location.
5200	5250	0	-2	-2	-2	0	-2	-3	0	0	0	0	-1	-1	-7	-9	New Viaduct across Gadie Burn and adjacent farm road. Total length is 450m. Potentially compressible material at this location.
5250	5300	0	-2	-2	-2	0	0	-3	0	0	0	0	-1	-1	-5	-9	Manual adjustment to reflect New Viaduct across Gadie Burn and adjacent farm road. Total length is 450m.
5300	5350	0	-1	-2	-2	0	0	-3	0	0	0	0	-1	-1	-5	-9	Manual adjustment to reflect New Viaduct across Gadie Burn and adjacent farm road. Total length is 450m.
5350	5400	0	-1	-2	-2	0	0	-3	0	0	0	-2	-1	-1	-7	-9	New Viaduct across Gadie Burn and adjacent farm road. Total length is 450m. 300mm SGN high pressure gas main within alignment at this location.
5400	5450	0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-4	-4	
5450	5500	0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-4	-4	
5500	5550	0	0	-2	-2	0	0	0	0	0	0	-2	-1	-1	-4	-4	
5550	5600	0	0	-2	-2	0	0	0	0	0	0	-2	-1	-1	-4	-4	
5600	5650	0	0	-2	-2	0	0	0	0	0	0	-2	-1	-1	-4	-4	
5650	5700	0	0	-2	-2	0	0	0	0	0	0	-2	-1	-1	-4	-4	
5700	5750	0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-4	-4	
5750	5800	0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-4	-4	
5800	5850	0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-4	-4	
5850	5900	0	-1	-2	-2	0	0	0	0	0	0	-2	-1	-1	-4	-4	
5900	5950	0	-1	-2	-2	0	0	0	-2	0	0	-2	-1	-1	-5	-5	
5950	6000	0	-1	-2	-2	0	-1	0	-2	0	0	0	-1	-1	-4	-4	
6000	6050	0	-1	-2	-2	0	-1	-3	-2	0	0	0	-1	-1	-7	-9	Manual Adjustment for New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6050	6100	0	-1	-2	-2	0	-1	-3	-2	0	0	-1	-1	-1	-8	-9	Manual Adjustment for New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6100	6150	0	-1	-2	-2	0	-1	-3	-2	0	0	-1	-1	-1	-8	-9	Manual Adjustment for New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6150	6200	0	-1	-2	-2	0	-1	-3	-2	0	0	0	-1	-2	-8	-9	Manual Adjustment for New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6200	6250	0	-1	-2	-2	0	-1	-3	-3	0	0	0	-1	-2	-8	-9	Manual Adjustment for New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6250	6300	0	-1	-2	-2	0	-2	-3	-3	0	-2	0	-1	-2	-10	-10	New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6300	6350	0	-2	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6350	6400	0	-2	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6400	6450	0	-2	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6450	6500	0	-2	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6500	6550	0	-2	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6550	6600	0	-2	-2	-2	0	0	-3	-2	0	0	0	-1	-2	-7	-9	Manual Adjustment for New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6600	6650	0	-1	-2	-2	0	0	-3	-2	0	0	0	-1	-2	-7	-9	Manual Adjustment for New Viaduct over a local road, River Urie and flood plain. Total length 600m. May be reduced by adjusting the vertical alignment
6650	6700	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
6700	6750	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
6750	6800	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
6800	6850	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
6850	6900	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
6900	6950	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
6950	7000	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7000	7050	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7050	7100	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7100	7150	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7150	7200	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7200	7250	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7250	7300	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7300	7350	0	-1	-2	-2	0	0	-2	0	0	0	0	-1	-2	-5	-5	
7350	7400	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7400	7450	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7450	7500	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7500	7550	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
7550	7600	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7600	7650	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7650	7700	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7700	7750	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7750	7800	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7800	7850	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7850	7900	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7900	7950	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
7950	8000	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8000	8050	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8050	8100	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8100	8150	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8150	8200	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8200	8250	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8250	8300	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8300	8350	0	0	-2	-2	0	0	0	-1	0	0	0	-1	-2	-3	-3	
8350	8400	0	-1	-2	-2	0	0	0	-1	0	0	0	-1	-2	-3	-3	
8400	8450	0	-1	-2	-2	0	0	0	-1	0	0	0	-1	-2	-3	-3	

8450	8500	0	0	-2	-2	0	0	0	-1	0	0	0	-1	-2	-3	-3	
8500	8550	0	0	-2	-2	0	0	0	-1	0	0	0	-1	-2	-3	-3	
8550	8600	0	0	-2	-2	0	0	0	-1	0	0	0	-1	-2	-3	-3	
8600	8650	0	0	-2	-2	0	0	0	-1	0	0	0	-1	-2	-3	-3	
8650	8700	0	0	-2	-2	0	0	0	-1	0	0	0	-1	-2	-3	-3	
8700	8750	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
8750	8800	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8800	8850	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8850	8900	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8900	8950	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
8950	9000	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9000	9050	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9050	9100	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9100	9150	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9150	9200	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9200	9250	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9250	9300	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9300	9350	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9350	9400	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9400	9450	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9450	9500	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9500	9550	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9550	9600	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9600	9650	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-4	-4
9650	9700	0	-1	-2	-2	0	-1	0	0	0	0	0	-1	-1	-2	-5	-5
9700	9750	0	-2	-2	-2	0	-1	0	0	0	0	0	-1	-1	-2	-4	-4
9750	9800	0	-2	-2	-2	0	-1	0	0	0	0	0	-1	-1	-2	-4	-4
9800	9850	0	-2	-2	-2	0	-1	0	0	0	0	0	-1	-1	-2	-4	-4
9850	9900	0	-2	-2	-2	0	-1	0	0	0	0	0	-1	-1	-2	-4	-4
9900	9950	0	-2	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
9950	10000	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
10000	10050	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
10050	10100	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
10100	10150	0	0	-2	-2	0	0	0	0	0	0	-2	-1	-2	-5	-5	
10150	10200	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-5	-5
10200	10250	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-4	-4
10250	10300	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-4	-4
10300	10350	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-4	-4
10350	10400	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-4	-4
10400	10450	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-4	-4
10450	10500	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
10500	10550	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
10550	10600	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
10600	10650	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
10650	10700	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
10700	10750	0	0	-2	-2	0	0	0	0	0	0	0	-1	-1	-2	-4	-4
10750	10800	0	-1	-2	-2	0	-1	0	0	0	0	-1	-1	-2	-5	-5	
10800	10850	0	-1	-2	-2	0	-1	0	0	0	0	-1	-1	-2	-5	-5	
10850	10900	0	-1	-2	-2	0	-1	0	0	0	0	0	-1	-2	-4	-4	
10900	10950	0	-1	-2	-2	0	-1	0	0	0	0	0	-1	-2	-4	-4	
10950	11000	0	-1	-2	-2	0	-1	0	0	0	0	-2	-1	-2	-6	-6	275kV Crossing - Proposed road level approximately 4m higher than existing & SSE Pylon at edge of alignment at this location. Temporary disruption issues at this location also.
11000	11050	0	-1	-2	-2	0	-1	0	0	0	0	-2	-1	-2	-6	-6	275kV Crossing - Proposed road level approximately 4m higher than existing. Temporary disruption issues at this location also.
11050	11100	0	-1	-2	-2	0	-1	0	0	0	0	0	-1	-2	-4	-4	
11100	11150	0	-1	-2	-2	0	-1	0	0	0	0	0	-1	-2	-4	-4	
11150	11200	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
11200	11250	0	-1	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
11250	11300	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
11300	11350	0	0	-2	-2	0	0	0	0	0	0	0	-1	-2	-3	-3	
11350	11400	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
11400	11450	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
11450	11500	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
11500	11550	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
11550	11600	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
11600	11650	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
11650	11700	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
11700	11750	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
11750	11800	0	0	-2	-2	0	0	0	0	0	0	-1	-1	-2	-4	-4	
11800	11850	0	0	-2	-2	0	-1	0	0	0	0	-1	-1	-2	-5	-5	
11850	11900	0	-1	-2	-2	0	-1	-1	-3	0	0	-1	-1	-2	-7	-7	Burn of Durmo Floodplain an Temporary disruption issues at this location.
11900	11950	0	-1	-2	-2	0	-1	-1	-3	0	0	-1	-1	-2	-7	-7	Burn of Durmo floodplain and temporary disruption issues at this location.
11950	12000	0	-1	-2	-2	0	-1	-1	-3	0	0	-1	-1	-2	-7	-7	Burn of Durmo floodplain and temporary disruption issues at this location.
12000	12050	0	-1	-2	-2	0	-1	-1	-2	0	0	-1	-1	-2	-7	-7	Burn of Durmo floodplain and temporary disruption issues at this location.
12050	12100	0	-1	-2	-2	0	-1	0	-2	0	0	-1	-1	-2	-6	-6	Burn of Durmo floodplain and temporary disruption issues at this location.
12100	12150	0	0	-2	-2	0	-1	0	-2	0	0	-1	-1	-2	-5	-5	
12150	12200	0	0	-2	-2	0	-1	0	-2	0	0	-1	-1	-2	-5	-5	
12200	12250	0	0	-2	-2	0	-1	0	-2	0	0	-1	-1	-2	-5	-5	
12250	12300	0	0	-2	-2	0	-1	0	-2	0	0	-1	-1	-2	-5	-5	
12300	12350	0	0	-2	-2	0	-2	0	-2	0	0	-1	-1	-2	-6	-6	Floodplain, temporary disruption, compressible material and made ground (historical railway) which is a potential source of contamination.
12350	12400	0	0	-2	-2	0	-2	0	-2	0	0	-1	-1	-2	-6	-6	Floodplain, temporary disruption, compressible material and made ground (historical railway) which is a potential source of contamination.
12400	12450	0	0	-2	-2	0	-2	0	-2	0	0	-1	-1	-2	-6	-6	Floodplain, temporary disruption, compressible material and made ground (historical railway) which is a potential source of contamination.
12450	12500	0	0	-2	-2	0	-2	0	-2	0	0	-1	-1	-2	-6	-6	Floodplain, temporary disruption, compressible material and made ground (historical railway) which is a potential source of contamination.
12500	12550	0	0	-2	-2	0	-2	0	-2	0	0	-1	-1	-2	-6	-6	Floodplain, temporary disruption, compressible material and made ground (historical railway) which is a potential source of contamination.
12550	12600	0	0	-2	-2	0	-2	0	-2	0	0	-1	-1	-2	-6	-6	Floodplain, temporary disruption, compressible material and made ground (historical railway) which is a potential source of contamination.
12600	12650	0	0	-2	-2	0	-2	0	-2	0	0	-1	-1	-2	-6	-6	Floodplain, temporary disruption, compressible material and made ground (historical railway) which is a potential source of contamination.
12650	12700	0	0	-2	-2	0	-2	0	-2	0	0	-1	-1	-2	-6	-6	Floodplain, temporary disruption, compressible material and made ground (historical railway) which is a potential source of contamination.
12700	12750	0	0	-2	-2	0	-2	0	-2	0	0	0	-1	-2	-5	-5	
12750	12800	0	0	-2	-2	0	-2	0	-2	0	0	0	-1	-2	-5	-5	
12800	12850	0	0	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New viaduct over River Urie flood plain. Total length 350m. Compressible material and made ground (historical railway) which is a potential source of contamination.
12850	12900	0	0	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New viaduct over River Urie flood plain. Total length 350m. Compressible material and made ground (historical railway) which is a potential source of contamination.
12900	12950	0	0	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New viaduct over River Urie flood plain. Total length 350m. Compressible material and made ground (historical railway) which is a potential source of contamination.
12950	13000	0	0	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New viaduct over River Urie flood plain. Total length 350m. Compressible material and made ground (historical railway) which is a potential source of contamination.
13000	13050	0	0	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New viaduct over River Urie flood plain. Total length 350m. Compressible material and made ground (historical railway) which is a potential source of contamination.
13050	13100	0	0	-2	-2	0	-2	-3	-3	0	0	0	-1	-2	-9	-9	New viaduct over River Urie flood plain. Total length 350m. Compressible material and made ground (historical railway) which is a potential source of contamination.