

D+01-001

Rules
Total Score
Structures Score + Flooding Score (Average of L, M and N)
+Utilities score + Constructability Score (Minimum value of P&Q)

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				Alignment			Geotechnics	Structures		Flooding and Drainage		Utilities	Constitution	Opposition of the control of the con	0000	Score	
Start Chainage	End Chainage	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Total	Adjusted	Comments
0 50	50 100	0	0	-2 -2	-1	-3 -3	0	-1 0	0	0	0	0	0	4	-3	-3	Structure for tile in to A96.
100 150	150 200	0	0	-2	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	
200	250	0	0	·2	-1	-3	0	0	0	0	0	0	0	4	-2 -2	-2	
250 300	300 350	0	-1	-2	-1	-3 -3	0	0	0	0	0	0	0	-4	-2 -2	-2	
350	400	0	0	-2	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	
400 450	450 500	0	-4	-2 -2	-4	-3 -3	0	0	0	0	0	0	0	4	-2 -2	-2	
500	550	0	-1	-2	-1	-3	0	0	0	0	0	0	0	4	-2	-2	
550 600	600 650	0	-4	-2	-4	-3	0	0	0	0	0	0	0	4	-2	-2	
650	700			,					0		0	0			,	,	Minor embankments on potentially compressible ground. Combination of level difference, hilliness, bendiness and earthworks/m. Some local disruption due to construction.
700	750		-1	-2	-1	-3	-1			0		U	0	-1	-5	.3	Minor embankments on potentially compressible ground. Combination of level difference, hilliness, bendiness and
750	800	0	-1	-2	-1	-3	-1	0	0	0	0	0	0	-4	-3	-3	earthworks/m. Some local disruption due to construction.
800 850	900	0	-1 0	-2 -2	-1	-3	0	0	0	0	0	0	0	4	-2 -2	-2	
900	950	0	0	-2	-1	-3	0	0	0	0	0	0	0	4	-2	-2	
950 1000	1000 1050	0	-1	-2	-4	-3	0	0	0	0	0	0	0	-4	-2 -2	-2 -2	
1050	1100																Combination of level difference, hilliness, bendiness and
1100	1150	0	0	-2	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	earthworks/m. Difficult construction access and some local disruption due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local
1150	1200	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	4	-3	-3	disruption due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
1200	1250	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	4	-3	.3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
1250	1300																Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local
1300	1350	0	-4	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	disruption due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
1350	1400	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	4	-3	.3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
1400	1450	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
1500	1500 1550	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction. Combination of level difference, hilliness, bendiness and
1550	1600	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	earthworks/m. Difficult construction access and some local disruption due to construction. Combination of level difference, hilliness, bendiness and
1600	1650	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	earthworks/m. Difficult construction access and some local disruption due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local
1650	1700	0	0	-2	-4	-3	0	0	0	0	0	0	-2	4	-3	-3	disruption due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
1700	1750	0	-2	-2	4	-3	-1	0	0	0	0	0	-2	4	-5	-5	Cuttings up to 17.6m (but greater than 10m) high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction. Cuttings up to 17.6m (but greater than 10m) high in rock.
1750	1800																Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local
1800	1850	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-1	-5	-5	disruption due to construction. Cuttings up to 17.6m (but greater than 10m) high in rock. Combination of level difference, hilliness, bendiness and
1850	1900	0	-2	-2	-4	-3	-1	0	0	0	0	0	-2	-4	-5	-5	earthworks/m. Difficult construction access and some local disruption due to construction. Cuttings up to 17.5m (but greater than 10m) high in rock. Combination of level difference, hilliness, bendiness and
1900	1950	0	-2	-2	-4	-3	-1	0	0	0	0	0	-2	-4	-5	-5	earthworks/m. Difficult construction access and some local disruption due to construction. Cuttings up to 17.5m (but greater than 10m) high in rock. Combination of level difference, hilliness, bendiness and
1950	2000	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-5	-5	earthworks/m. Difficult construction access and some local disruption due to construction Cuttings up to 17.6m (but greater than 10m) high in rock. Combination of level difference, hilliness, bendiness and
2000	2050	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-5	-5	earthworks/m. Difficult construction access and some local disruption due to construction. Combination of hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due
2050	2100	0	-2	-2	-1	-3	0	0	0	0	0	0	-2	-1	-4	-4	to construction. Combination of hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due
2100	2150	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	to construction. Combination of hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due
2150	2200	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	to construction. Combination of hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due
2200	2250	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	to construction. Combination of hilliness, bendiness and earthworks/m.
		0	0	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	Difficult construction access and some local disruption due to construction. Combination of hilliness, bendiness and earthworks/m.
2250	2300	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	Difficult construction access and some local disruption due to construction. Combination of hilliness, bendiness and earthworks/m.
2300	2350	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	Difficult construction access and some local disruption due to construction. Combination of hilliness, bendiness and earthworks/m.
2350	2400	0	0	-2	-1	-3	0	0	0	0	0	0	-2	4	-3	-3	Difficult construction access and some local disruption due to construction.
2400	2450	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	4	-3	-3	Combination of hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
2450	2500	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	4	-3	-3	Combination of hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
2500	2550														,	,	to construction. Cuttings up to 11.7m (but greater than 10m) high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local
2550	2600	0	-1	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-4	-4	disruption due to construction. Cuttings up to 11.7m (but greater than 10m) high in rock.
		0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	4	-5	-5	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.

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2600	2650																A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified geotechnical constraint. Combination of level difference,
		0	-2	-2	-1	-3	0	0	0	0	0	0	-2	-4	-4	-4	hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
2650	2700																A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified geotechnical constraint. Combination of level difference,
																	geotechnical constraint. Combination of rever difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
2700	2750	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified
																	geotechnical constraint. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
2750	2800	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	construction. A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified
																	geotechnical constraint. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
2800	2850	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	A combination of at grade construction, embankments and
2000	2030																cuttings less than 10m high on/through non-identified geotechnical constraint. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
2050	2000	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	construction access and some local disruption due to construction. A combination of at grade construction, embankments and
2850	2900																cuttings less than 10m high on/through non-identified geotechnical constraint. Combination of level difference, hilliness, bendiness and earthworks/m, Difficult
		0	0	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	construction access and some local disruption due to construction.
2900	2950																A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified geotechnical constraint. Combination of level difference,
		0	0	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
2950	3000																A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified geotechnical constraint. Combination of level difference,
																	hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
3000	3050	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	construction. A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified
																	geotechnical constraint. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
3050	3100	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	construction. A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified
																	geotechnical constraint. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
3100	3150	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	construction access and some local disruption due to construction.
3100	3130																New bridge over burn of Drumblade watercourse and flood plain. Span 100m. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access
3150	3200	0	-1	-2	-1	-3	0	-2	0	0	0	0	-2	-4	-5	-6	and some local disruption due to construction. New bridge over burn of Drumblade watercourse and flood
																	plain. Span 100m. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access
3200	3250	0	-1	-2	-1	-3	0	-2	0	0	0	0	-2	-4	-5	-6	and some local disruption due to construction. New bridge over burn of Drumblade watercourse and flood
				.2	a	,3	0	.2	0	0	0	0	.2	a	.5	.6	plain. Span 100m. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
3250	3300																A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified geotechnical constraint. Combination of level difference,
																	hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
3300	3350	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	construction. A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified
																	geotechnical constraint. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local discuntion due to
3350	3400	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	construction. A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified
																	geotechnical constraint. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
3400	3450	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	construction access and some local disruption due to construction. A combination of at grade construction, embankments and
3400	3450																cuttings less than 10m high on/through non-identified geotechnical constraint. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
		0	0	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	construction access and some local disruption due to construction.
3450	3500																A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified geotechnical constraint. Combination of level difference,
		0	0	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
3500	3550																A combination of at grade construction, embankments and cuttings less than 10m high on/through non-identified geotechnical constraint. Combination of level difference,
		0						0									hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
3550	3600		-1	-2	-1	-3	0	U		0	0	0	-2	-1	-3	-3	Cuttings up to 17.0m high in non-identified geotechnical constraint and rock. Combination of level difference.
		0	-1	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-4	-4	hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
3600	3650																Cuttings up to 17.0m high in non-identified geotechnical constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
		0	-2	-2	-1	-3	-4	0	0	0	0	0	-2	-4	+5	-5	construction access and some local disruption due to construction.
3650	3700																Cuttings up to 17.0m high in non-identified geotechnical constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
3700	3750	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-5	-5	construction access and some local disruption due to construction. Cuttings up to 30.0m high in rock. Combination of level
3700	3730	0	.2	.2	a	,3	.2	0		0	0	0	.2	a	.6	.6	difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
3750	3800				-	~		Ü								~	Cuttings up to 30.0m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
3800	3850	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	construction. Cuttings up to 30.0m high in rock. Combination of level
		0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	4	+6	-6	difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
3850	3900																Cuttings up to 30.0m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
3900	3950	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	construction. Cuttings up to 30.0m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m, Difficult
		0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	4	+6	-6	construction access and some local disruption due to construction.
3950	4000																Cuttings up to 30.0m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
4000	4050	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	construction. Cuttings up to 30.0m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
1050	****	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	4	+6	-6	construction access and some local disruption due to construction.
4050	4100							0	_	_	_						Cuttings up to 30.0m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
4100	4150	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	+6	-6	construction. Cuttings up to 18m high in non-identified geotechnical constraint and rock. Combination of level difference,
		0	-2	-2	-4	-3	-1	0	0	0	0	0	-2	-1	-5	-5	hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
4150	4200																Cuttings up to 18m high in non-identified geotechnical constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
		0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	4	-5	-5	construction access and some local disruption due to construction.
4200	4250																Cuttings up to 18m high in non-identified geotechnical constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
4350	4300	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-5	-5	construction access and some local disruption due to construction. Cuttings up to 18m high in non-identified geotechnical
4250	4300																constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
4300	4350	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	4	-5	-5	construction access and some local disruption due to construction. Cuttings up to 18m high in non-identified geotechnical
	.550																constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
4350	4400	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-5	-5	construction. Cuttings up to 18m high in non-identified geotechnical constraint and rock. Combination of level difference,
										0	0						hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
4400	4450	0	-2	-2	-1	-3	-4	0	U	U	U	0	-1	4	-5	-5	construction. Cuttings up to 18m high in non-identified geotechnical constraint and rock. Combination of level difference,
		0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-5	-5	hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
4450	4500	0	-2	-2	-1	-3	-1	-1	0	0	0	0	-2	4	-6	-6	Structure for side road crossing - moderate impact due to adjacent rock. Construction access issues.

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4500	4550																Cuttings up to 18m high in non-identified geotechnical
1500	1550																constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
4550	4600	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-1	-5	-5	construction. Cuttings up to 18m high in non-identified geotechnical constraint and rock. Combination of level difference,
		0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-1	÷5	-S	hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
4600	4650																Cuttings up to 36.9m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
4650	4700	0	-2	-2	-4	-3	-2	0	0	0	0	0	-2	-1	+6	-6	construction. Cuttings up to 36.9m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
4700	4750	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	construction access and some local disruption due to construction. Cuttings up to 36.9m high in rock. Combination of level
		0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
4750	4800																Cuttings up to 36.9m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
4800	4850	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	+6	-6	Cuttings up to 36.9m high in rock. Combination of level difference, hillness, bendiness and earthworks/m. Difficult
4850	4900	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	+6	-6	construction access and some local disruption due to construction. Cuttings up to 36.9m high in rock. Combination of level difference hilliness beneficiess and parthworks (m. Difficult
		0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	+6	-6	construction access and some local disruption due to construction.
4900	4950																Cuttings up to 36.9m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to
4950	5000	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	construction. Cuttings up to 36.9m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
5000	5050	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	+6	-6	construction access and some local disruption due to construction. Cuttings up to 36.9m high in rock. Combination of level
		0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	+6	-6	difference, hilliness, bendiness and earthworks/m. Difficult construction access and some local disruption due to construction.
5050 5100	5100 5150	0	-3	-2	4	-3	-1	0	0	0	0	0	-2	- 4	-5	-5	Cuttings up to 11.7m (but greater than 10m) high in rock. A combination of embankments and cuttings less than 10m high on/through non-identified geotechnical constraint.
5150	5200	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	A combination of embankments and cuttings less than 10m high on/through non-identified geotechnical constraint.
5200 5250	5250 5300	0	-4	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	A combination of embankments and cuttings less than 10m high on/through non-identified geotechnical constraint. Embankments up to 19.0m on non-identified geotechnical
5300	5350	0	-2	-2	-4	-3	-4	0	0	0	0	0	-2	-1	-5	-5	constraint. Embankments up to 19.0m on non-identified geotechnical constraint. Construction access issues.
5350	5400	0	-2	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	Embankments up to 25.1m high on non-identified eestechnical constraint. Very difficult construction access.
5400	5450	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	geotechnical constraint. Very difficult construction access. Embankments up to 25.1m high on non-identified
5450 5500	5500 5550	0	-3	-2	-4	-3	-2	0	0	0	0	0	-3	0	-7	-7 -6	geotechnical constraint. Very difficult construction access. Embankments up to 17.5m on non-identified geotechnical constraint. Construction access issues.
5550	5600	0	-2	-2	4	-3	0	0	0	0	0	0	-3	0	-5	-6	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
5600	5650	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
5650 5700	5700 5750	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
5750	5800	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
5800	5850	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
5850 5900	5900 5950	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
5950	6000	0	-1	-2	-4	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Cuttings up to 11.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
6000	6050	0	-1	-2	-1	-3	-4	0	0	0	0	0	-3	0	-5	-6	difficult construction access. Cuttings up to 11.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
6050	6100	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difficult construction access. Cuttings up to 11.4m high in rock. Combination of level
6100	6150	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
6150	6200	0	-2	-2	-4	-3	0	0	0	0	0	0	- 3	0	+5	-5	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
6200	6250	0	-4	-2	4	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
6250	6300	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
6300 6350	6350 6400	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
6400	6450	0	0	-2	-1	-3	0	0	0	0	0	0	-3	0	9 4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
6450	6500	0	-1	-2	-4	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
6500 6550	6550 6600	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
6600	6650	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
6650	6700	0	-2	-2	-1	-3	0	0	0	0	0	0	-3	0	-S	-5	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
6700 6750	6750 6800	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
6800	6850	0	-4	-2	-4	-3	0	0	0	0	0	0	- 3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
6850	6900	۰	.2			.2		0	0	0	0	0			4		Embankment up to 13m on rock: Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
6900	6950	0	,	Ţ	-4	-3	-4	0	0	0	0	0	,	0	.6	_	Embankment up to 13m on rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
6950	7000	0	-2	-2	-1	-3	-1	0	0	U	0	U	-3	0	÷b	-6	Embankment up to 13m on rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
7000	7050	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difficult construction access. Embankment up to 13m on rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
7050	7100	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difficult construction access. Embankment up to 13m on rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
7100	7150	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difficult construction access. Embankment up to 13m on rock. Combination of level
7150	7200	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
7200	7250	0	-2	-2	-4	-3	0	0	0	0	0	0	-3	0	-5	-5	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
7250	7300	0	0	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
7300 7350	7350 7400	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Cuttings up to 19.0m high in rock. Combination of level
		0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Cuttings up to 30.4m high in rock. Combination of level
7400	7450	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Cuttings up to 30.4m high in rock. Combination of level
7450	7500	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
7500	7550	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	Cuttings up to 30.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
7550	7600	0	.,	,	-1-	-3	.,	0		0	0	0		0		-7	Cuttings up to 30.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
7600	7650		-3	-2	-1	-5	-2					U	,	· ·	-,	-/	Cuttings up to 30.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
7650	7700	0	+3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	difficult construction access. Cuttings up to 30.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
7700	7750	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	difficult construction access. Cuttings up to 30.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
7750	7800	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	difficult construction access.
		0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Cuttings up to 30.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
7800	7850	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Cuttings up to 17.1m high in rock. Combination of level
7850	7900	0	-3	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
7900	7950	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	Cuttings up to 17.1m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
7950	8000		,	,	-1-	-3	-3	0				0		0			Cuttings up to 14.4m high on Peat. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
8000	8050		-2	-2	-1	-5	-5					U		· ·	-0	-6	Cuttings up to 14.4m high on Peat. Combination of level difference, hilliness, bendiness and earthworks/m. Very
8050	8100	0	-2	-2	-1	-3	-3	0	0	0	0	0	-3	0	-8	-8	difficult construction access. Cuttings up to 14.4m high on Peat. Combination of level difference, hilliness, bendiness and earthworks/m. Very
0100	8150	0	-1	-2	-1	-3	-3	0	0	0	0	0	-3	0	-7	-7	difficult construction access. Cuttings up to 14.4m high on Peat. Combination of level difference, hilliness, bendiness and earthworks/m. Very
8100						-	.2						а		-7	-7	difference, hilliness, bendiness and earthworks/m. Very difficult construction access.

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8150	8200																Cuttings up to 14.4m high on Peat. Combination of level
		0	-1	-2	-1	-3	-3	0	0	0	0	0	-3	0	-7	-7	difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Cuttings up to 14.4m high on Peat. Combination of level
8200	8250	0	-1	-2	-1	-3	-3	0	0	0	0	0	-3	0	-7	-7	difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
8250	8300																Cuttings up to 14.4m high on Peat. Combination of level difference, hilliness, bendiness and earthworks/m. Very
8300	8350	0	-1	-2	-1	-3	-3	0	0	0	0	0	-3	0	-7	-7	difficult construction access. Cuttings up to 14.4m high on Peat. Combination of level difference, hilliness, bendiness and earthworks/m. Very
8350	8400	0	-1	-2	-1	-3	-3	0	0	0	0	0	-2	-4	+6	-6	difficult construction access. Combination of level difference, hilliness, bendiness and
8400	8450	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	earthworks/m. Difficult construction access. Combination of level difference, hilliness, bendiness and
8450	8500	0	-1	-2	-1	-3	0	0	0	0	0	0	.2	4	-3	-3	earthworks/m. Difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
8500	8550	0	-1	-2	-1	-3	0	-1	0	0	0	0	-2	-4	-4	-4	Wind Farm access. Combination of level difference, hilliness, bendiness and
8550	8600	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	earthworks/m. Difficult construction access. Combination of level difference, hilliness, bendiness and
8600 8650	8650 8700	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	earthworks/m. Difficult construction access. Combination of level difference, hilliness, bendiness and
8700	8750	0	0	-2	-1	-3	0	0	0	0	0	0	-2	4	-3	-3	earthworks/m. Difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
8750	8800	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
8800	8850	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
8850	8900	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access. Combination of level difference, hilliness, bendiness and
8900	8950	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	earthworks/m. Difficult construction access.
8950	9000																Structure for side road crossing and the Mill Burn - length 400m. Overall impact assessed as major due to structure
		0	-1	-2	-1	-3	0	-3			0	0	-2	-4	-6	.9	length. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
9000	9050																Structure for side road crossing and the Mill Burn - length 400m. Overall impact assessed as major due to structure
																	length. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
9050	9100	0	-1	-2	-1	-3	0	-3	0	0	0	0	-2	-1	+6	.9	
3030	3100																Structure for side road crossing and the Mill Burn - length 400m. Overall impact assessed as major due to structure length. Combination of level difference, hilliness, bendiness
			-2	-2	-1	-3	-1	-3		0	0	0	-2	-1	-8	.9	length. Combination of level difference, nillness, bendiness and earthworks/m. Difficult construction access.
9100	9150																Structure for side road crossing and the Mill Burn - length 400m. Overall impact assessed as major due to structure
																	400m. Overall impact assessed as major due to structure length. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
9150	9200	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	-4	-8	-9	
9150	9200																Structure for side road crossing and the Mill Burn - length 400m. Overall impact assessed as major due to structure
			.2	.2	-4	.3		.3		0	0	0		a	.8	.9	length. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
9200	9250								ŭ						-0	-	Structure for side road crossing and the Mill Burn - length
																	400m. Overall impact assessed as major due to structure length. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
		0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	-4	-8	-9	and earthworks/m. Difficult construction access.
9250	9300																Structure for side road crossing and the Mill Burn - length 400m. Overall impact assessed as major due to structure
																	length. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
9300	9350	0	-2	-2	-1	-3	-1	-3		0	0	0	-2	-4	-8	.9	Structure for side road crossing and the Mill Burn - length
																	400m. Overall impact assessed as major due to structure length. Combination of level difference, hilliness, bendiness
		0	-2	-2	-1	-3	0	-3	0	0	0	0	-3	0	-8	-9	and earthworks/m. Difficult construction access.
9350	9400																Structure for side road crossing and the Mill Burn - length 400m. Overall impact assessed as major due to structure
																	length. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access.
9400	9450	0	-1	-2	-4	-3	0	-3	0	0	0	0	-3	0	-7	-9	Combination of level difference, hilliness, bendiness and
9450	9500	0	-1	-2	-1	-3	0	0	0	0	0	0	.3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
9500	9550	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access
9550	9600	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
9600	9650	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
9650 9700	9700 9750	0	0	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
9750	9800	0	0	-2	-4	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
9800	9850	0	0	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
9850	9900	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
9900	9950	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access.
9950 10000	10000 10050	0	-1	-2	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	Cuttings up to 18m high in rock. Combination of level
10050		0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Cuttings up to 18m high in rock. Combination of level
10050	10100	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
10100	10150		-			-											Cuttings up to 18m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
10150	10200		-2	-2		-3		0					- 3		-6	-0	Cuttings up to 18m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
10200	10250	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difficult construction access. Cuttings up to 20m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
		0	-2	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	difficult construction access. Cuttings up to 20m high in rock. Combination of level
10250	10300	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
10300	10350																Cuttings up to 18m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
10350	10400	0	-2	-2	-1	-3	-1	0		0	0	0	-3	0	-b	ė	Cuttings up to 18m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
10400	10450	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difficult construction access. Cuttings up to 18m high in rock. Combination of level
		0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difference, hilliness, bendiness and earthworks/m. Very difficult construction access. Cuttines up to 18m high in rock. Combination of level
10450	10500	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	difference, hilliness, bendiness and earthworks/m. Very difficult construction access
10500	10550																Cuttings up to 18m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
10550	10600	0	-2	-2	-1	-3	-1	0	0	0	0	0	3	0	-6	-6	Cuttings up to 18m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Very
10600	10650	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	+6	-6	difficult construction access. Combination of level difference, hilliness, bendiness and
10650	10700	0	-2	-2	4	-3	0	0	0	0	0	0	-3	0	-5	-5	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and
10700	10750	0	4	-2	4	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m. Very difficult construction access. Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
10750	10800	0	-1	-2	4	-3	0	0	0	0	0	0	-3	0	-4	-4	Combination of level difference, hilliness, bendiness and earthworks/m. Very difficult construction access.
10800	10850	0	0	.3	.1		0	0	0	0	0	0	.2	.2	.3	,3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
10850	10900	0	J		-	-3						U	-4	4	-5	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
10900	10950	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
		0	-4	-2	-4	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
10950	11000	0	-4	-2	4	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
11000	11050	0						0	0		0						Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
11050	11100		-1	-2	-1	-3	0			0		0	-2	-2	-3	-13	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
11100	11150	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Embankments up to 13m high on non-identified ground.
				,		,	-1	0	0	0	0	0				,	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
11150	11200	,		-	1							Ü					Embankments up to 13m high on non-identified ground. Combination of level difference, hilliness, bendiness and
		0	-2	-2	-4	-3	-1	0	0	0	0	0	-2	-2	-5	-5	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
11200	11250																Embankments up to 13m high on non-identified ground. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
11250	11300	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-2	-5	-5	to local traffic due to construction. Embankments up to 13m high on non-identified ground.
-1230	11300		,	,		,	-1	0	0	0	0	0			.0	.5	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
11300	11350		-		Ė	-3	-1	U				U			-5	-5	Embankments up to 13m high on non-identified ground. Combination of level difference, hilliness, bendiness and
<u></u>		0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-2	-5	-5	earthworks/m. Difficult construction access and disruption to local traffic due to construction.

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11350	11400																Embankments up to 13m high on non-identified ground.
11330	11400		.2	.2	a	,3		0	0	0	0	0	.2	.2	.5	.5	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
11400	11450											•			~	_	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
11450	11500	0	-2	-2	-1	-3	0	0	0	0	0	0	-2	-2	-4	-4	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
11500	11550	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
		0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
11550	11600	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
11600	11650	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
11650	11700				a	.2	0	0				0		.2		.2	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
11700	11750				-				Ü			•			~	_	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
11750	11800	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
11800	11850	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
11850	11900	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
		0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
11900	11950	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
11950	12000							0		0		0		.2	-3	.2	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
12000	12050				-				Ü			•			~	_	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
12050	12100	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
12100	12150	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
		0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
12150	12200	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
12200	12250	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction
12250	12300													_			Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
12300	12350		U	-4	-1	-3	U	U	U	U	U	-1	-2	-2	-4	-4	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
12350	12400	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
12400	12450	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
		0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
12450	12500	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
12500	12550	0	.1	.a	-1	.3	0	0	0	0	0	0	.2	.2	.3	.7	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
12550	12600		-1	-	4	•		0			3	J			-3	3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
12600	12650	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
12650	12700	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
		0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
12700	12750	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
12750	12800		-1	-2	-4	-3	0	0	0	0	0	0	-2	-2	-3	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
12800	12850																Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
12850	12900	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
12900	12950	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
12950	13000	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
		0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
13000	13050	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction
13050	13100			,		,						۰		,	,	,	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
13100	13150		-1	-42	-1	-3	0	0		U	0	U	-2		-3	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
13150	13200	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
13200	13250	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
		0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
13250	13300	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
13300	13350		0	,2	a	,3	0	0	0	0	0	0	.2	.2	.3	,3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
13350	13400											•			~	-	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
13400	13450	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
13450	13500	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
		0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
13500	13550	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
13550	13600	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
13600	13650																Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
13650	13700	0	-1	-2	-1	-3	0	-1	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Structure for side road crossing. Combination of level difference, hilliness, bendiness and
13700	13750	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
13750	13800																Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
13800	13850	0	-2	-2	-1	-3	0	0	0	0	0	0	-2	-2	-4	-4	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
13850	13900	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
13900	13950	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
		0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
13950	14000	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
14000	14050	0	0	-3	-1	.3	0	0	0	0	0	0			.3	.3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction.
14050	14100			-2	4	-3						U	- 4	4	-5	-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
14100	14150	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
14150	14200	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
		0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference billiness bendiness and
14200	14250	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	Combination of level difference, filliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
14250	14300	0	0	.2	-1	.3	0	0	0	0	0	0	.,	.2	.3	.,3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
14300	14350																Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
14350	14400	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
14400	14450	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
14450		0	0	-2	-4	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
	14500	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	carthworks/m. Difficult construction access and disruption to local traffic due to construction. Combination of level difference, hilliness, bendiness and
14500	14550	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	earthworks/m. Difficult construction access and disruption to local traffic due to construction.
14550	14600			-						_		_			,		Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
	l .	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction.

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14500 14700																		
14700	14600	14650					,											
14750	14650	14700			-2		-3								-2			Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
14800	14700	14750		0	-2		-5										-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
14850	14750	14800		-1	-2	-4	-3							-2	-2		-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
14900 14950 15900 14950 15900 14950 15900	14800	14850		-1	-2	-1	-3							-2	-2		-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
14950 14950 0 1 2 1 3 0 0 0 0 0 0 0 0 0	14850	14900		-1	-2		-3							-2	-2		-3	Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption
14950 15000 0	14900	14950	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	Combination of level difference, hilliness, bendiness and
15000 15050 0 1 2 1 3 0 0 0 0 0 0 0 0 0	14950	15000	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	Combination of level difference, hilliness, bendiness and
1500	15000	15050	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	Combination of level difference, hilliness, bendiness and
15100	15050	15100	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
15150 15200 15250	15100	15150	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
15200 15250 15250	15150	15200	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
15250 15300 15300 15300 15300 15300 15300 15300 15350			0	0	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
15300 15350			0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction. Combination of level difference, hilliness, bendiness and
15350 15400			0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-2	-3	-3	to local traffic due to construction.
15400 15450	15300	15350																geotechnical constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to
15400 15450 15450 15450 15450 15450 15450 15450 15450 15550 15650 15650 15650 15650 15750 15650 15750	15350	15400	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-2	-5	-5	Cuttings up to 17.8m high in and non-identified geotechnical constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult
15450 15500			0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-2	٠5	-5	construction.
15500 15500	15400	15450																geotechnical constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to
15500 15500	15450	15500		-2	-2	-1	-3	-1	U	0	U	U	0	-2	-2	-5	-5	Cuttings up to 17.8m high in and non-identified geotechnical constraint and rock. Combination of level
15500 15600 2 2 4 3 4 0 0 0 0 3 2 5 5 5 5 5 5 5 5 5			0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-2	-5	-5	construction.
1550 15600 2 1 3 2 0 0 0 3 2 4 6 6 6 6 6 6 6 6 6	15500	15550																geotechnical constraint and rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to
15600 15650	15550	15600		-2	-2			-1						-2	-2		-5	Cuttings up to 19.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to
15700 15700 15700 15700 15700 15700 15700 15700 15700 15700 15700 15700 15750	15600	15650		-2	-2		-3	-2						-2	-2	-b	-b	Cuttings up to 19.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to
15700 15750 15750 15750 15750 15750 15750 15750 15800 15800 15850	15650	15700		-2	-2		-3	-2						-2	-2	-6	-6	Cuttings up to 19.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to
15750 15800	15700	15750		-2	-2	-1	-3	-2								-6	.6	Cuttings up to 19.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to
15800 15850	15750	15800		-2	-4	-1	-3	-2				-1	J		-2	-6	-6	Cuttings up to 19.4m high in rock. Combination of level difference, hilliness, bendiness and earthworks/m. Difficult construction access and disruption to local traffic due to
	15800	15850	0	-2	-2	-1	-3	-2	0	0	0	-1		-2	-2	-6	-6	
																		Hinish 15/5/

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Rules
Total Score
Structures Score + Flooding Score (Average of L, M and N)
+Utilities score + Constructability Score (Minimum value of P&Q)

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

C a a a a a a a a a a a a a a a a a a a	Chainage			Alignment			Geotechnics	Structures		Flooding and Drainage		Utilities	Constitution	O State of the ballion	20016	Score	H
Start Chainage	End Chainage	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Total	Adjusted	Comments
0	50																combination of level difference, hilliness, bendiness and earthworks/m Difficult construction access and some local disruption due
50	100	0	-1	-4	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	to construction
100	150	0	0	-1	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	
150 200	200 250	0	-1	-1	-4	-3 -3	0	0	0	0	0	0	-2	-1	-3 -3	-3	
250 300	300 350	0	-1	-4	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	
350	400	0	-1	-1	-1	-3	0	0	0	0	0	0	-2	-4	-3 -3	-3	
400	450																New structure for Burn of Drumblade - length 100m combination of level difference, hilliness, bendiness and earthworks/m Difficult construction access and some local disruption due
450	500	0	-1	-4	-1	-3	0	-1	0	0	0	0	-2	4	-4	-4	to construction
500 550	550 600	0	-1	-1	-1	-3	0	-1	0	0	0	0	-2	-4	-4	-4	combination of level difference, hilliness, bendiness and
		0	-1	-1	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	earthworks/m Difficult construction access and some local disruption due to construction
600 650	650 700	0	0	-1	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	
700	750	0	-1	4	-4	-3	0	0	0	0	0	0	-2	4	-3	-3	
750 800	800 850	0	-1	-1	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	
850	900	0	-2	4	4	-3	-1	0	0	0	0	0	-2	4	-3	-3	Cuttings up to 16m high in non-identified geotechnical constraint combination of level difference, hilliness, bendiness and earthworks/m Difficult construction access and some local disruption due to construction
900	950	0	-2	-1	-4	-3	-1	0	0	0	0	0	-2	-1	-4	-4	Cuttings up to 36m high (but greater than 19m) in non-
950	1000	0	.3	a	a	.3	.2	0	0	0		0	.2	a	-6	6	Cuttings up to 36m high (but greater than 19m) in non- identified geotechnical constraint and rock combination of level difference, hilliness, bendiness and earthworks/m Difficut construction access and some local disruption due to construction
1000	1050	0	-3	-1	-4	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
1050 1100	1100 1150	0	-3	-4	-4	-3 -3	-2	0	0	0	0	0	-2	4	-6 -6	-6	
1150	1200	0	-3	4	4	-3	-2	0	0	0	0	0	-2	-1	-6	-6	Structure for side road crossing combined with cuttings up
1250	1300	0	-3	-1	-1	-3	-2	-1	0	0	0	0	-2	4	-7	-7	to 36m high (but greater than 36m) in non-identified geotechnical contraint and rock combination of level difference, hilliness, bendiness and earthworks/m Official construction access and some local direuption due to construction access and some local direuption due to construction. Official construction access and some local direuption due to construction construction and place of the construction of the construction access and some local direuption due to combination of level, hilliness, bendiness and earthworks/m Official construction access and some local disruption due Official construction access and some local disruption due
1300	1350	0	-3 -3	-4	-4	-3 -3	-2 -2	0	0	0	0	0	-2	4	-6 -6	-6 -6	to construction
1350	1400	0	-3	4	-4	-3	-1	0	0	0	0	0	-2	4	-5	-5	Cuttings up to 16m high (but greater than 10m) in non- identified geotechnical constraint and rock combination of level difference, billiness, bendiness and earthworks/m Difficult construction access and some local disruption due to construction
1400 1450	1450 1500	0	-2	4	4	-3	-1	0	0	0	0	0	-2	4	-3	-4	combination of level difference, hilliness, bendiness and earthworks/m Difficult construction access and some local disruption due to construction
1500 1550	1550 1600	0	-1 0	-1	-1	-3 -3	0	0	0	0	0	0	-2	-4	-3 -3	-3	
1600	1650	0	0	-1	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	
1650 1700	1700 1750	0	4	4	4	-3	0	-2	0	0	0	0	-2	4	-3	-3	New structure for side road crossing and Burn of Begsthill- length 300m combination of level difference, hilliness, bendiness and earthworks/m DIffication common structure of the structure of the DIfficat construction access and some local disruption due to construction Non-identified geotechnical constraint and rock.
1750 1800	1800 1850	0	-1 -2	-1	-4	-3 -3	-1	-2 -2	0	0	0	0	-2	4	+5 +6	-6 -6	
1850	1900	0	-2	-1	-1	-3	-1	-2	0	0	0	0	-2	-4	-6	-6	
1900 1950	1950 2000	0	-2 -2	-1	-1	-3 -3	-1 0	-2	0	0	0	0	-2	4	-6 -5	-6 -6	
2000 2050	2050 2100	0	-1	-1	-1	-3	0	-2 0	0	0	0	0	-2	-4	-5	-6	combination of level difference, hilliness, bendiness and earthworks/m Difficult construction access and some local disruption due to construction
2100 2150	2150 2200	0	0	-1	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	
2150 2200	2200	0	-1	-1	-4	-3	0	0	0	0	0	0	-2	-4	-3 -3	-3	
2250 2300	2300 2350	0	4	4	4	-3	0	0	0	0	0	0	-2	-1	-3	-3	Cuttings up to 18.2m high in non-identified geotechnical constraint and rock combination of level difference, hilliness, bendiness and earthworks/m Difficult construction access
2350	2400	0	-2	-4	-4	-3	-1	0	0	0	0	0	-3	0	-5	-5	
2400 2450	2450 2500	0	-2 -2	-1	-4	-3 -3	-1	0	0	0	0	0	-3	0	+5 +5	-5 -5	
2500	2550	0	-2	-1	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	
2550 2600	2600 2650	0	-2 -2	-1	-4	-3 -3	-1	0	0	0	0	0	-3	0	-5 -5	-5 -5	
2650 2700	2700 2750	0	-2	-1	-1	-3	-1	0	0	0	0	0	3	0	-5	-5	Cuttings up to 27m high in rock combination of level difference, hilliness, bendiness and
		0	-3	-1	-4	-3	-2	0	0	0	0	0	-3	0	-7	-7	combination of level difference, filliness, bendiness and earthworks/m Difficult construction access
2750 2800	2800 2850	0	-3	-1	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7 -7	
2850	2900	0	-3	4	4	-3	-2	0	0	0	0	0	-3	0	-7	-7	
2900 2950	2950 3000	0	-3	-4	-4	-3	-2	0	0	0	0	0	-3	0	-7	-7 -7	
3000	3050	0	-3	-1	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	

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3050	3100																Cuttings up to 14.2m high (but greater than 10m) in rock combination of level difference, hilliness, bendiness and
																	earthworks/m
2400	3150	0	-2	-1	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	Difficult construction access combination of level difference, hilliness, bendiness and
3100	3150				-4		0	0			0			0	.4	.4	earthworks/m Difficult construction access
3150	3200			-1		-3			0	0		0	-3				Difficult construction access
		0	-1	-1	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
3200	3250	0	-1	-1	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
3250	3300	0	-1	-1	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
3300	3350																Embankments up to 19.0m high in non-identified geotechnical constraint combination of level difference, hilliness, bendiness and earthworks/m
		0	-2	-1	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	Difficult construction access
3350	3400	0	-2	-4	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	
3400	3450	0	.2	-4	-4	-3	-1	0	0	0	0	0	-3	0	-5	-5	
3450	3500	0	-2	-1	-4	-3	-1	0	0	0	0	0	-3	0	-5	-5	
3500	3550	0	.,	4	-4	-3	-2	0	0	0	0	0	-3	0	-6	-6	Embankments up to 21m high in non-identified geotechnical constraint combination of level difference, hilliness, bendiness and earthworks/m Difficult construction access
3550	3600	0	-2	-4	-4	-3	-2	0	0	0	0	0	-3	0	-6	-6	
3600	3650	0	-3	4	-4	-3	-2	0	0	0	0	0	-3	0	-7	.7	
3650	3700															_	
		0	-3	-1	-1	-3	-1	0	0	0	0	0	-3	0	+6	-6	Embankments up to 17m high in non-identified
3700	3750																geotechnical constraint combination of level difference, hilliness, bendiness and earthworks/m
3750	3800	0	-2	-1	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	Difficult construction access
3800	3850	0	-2	-1	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	
3850		0	-2	-1	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	combination of level difference, hilliness, bendiness and
	3900	0	-2	-4	-4	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks/m Difficult construction access
3900	3950	0	-1	-1	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
3950	4000	0	0	-1	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
4000	4050	0	-1	-1	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
4050	4100	0	-2	-4	-4	-3	-1	0	0	0	0	0	3	0	-5	-5	Cuttings up to 12.2m high in rock combination of level difference, hilliness, bendiness and earthworks/m Difficult construction access
4100	4150	0	-3	-1	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	Cuttings up to 30.2m high in rock combination of level difference, hilliness, bendiness and earthworks/m Difficult construction access
4150	4200	0	-3	-1	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	
4200	4250	0	-3	-4	-4	-3	-2	0	0	0	0	0	-3	0	-7	-7	
4250	4300	0	-3	-4	-4	-3	-2	0	0	0	0	0	-3	0	-7	-7	
4300	4350	0	-3	-4	-4	-3	-2	0	0	0	0	0	-3	0	.7	.7	
4350	4400	0	-3	-4	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	
4400	4450	0	-3	4	-4	-3	-2	0	0	0	0	0	-3	0	-7	-7	
4450	4500	0						0						0	-7	-7	<u> </u>
4500	4550	0	-3	-1	-1	-3	-2		0	0	0	0	-3	0	-7	-7	
4550	4600							0									Finish 4429
4 5 5U	4600																

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Rules
Total Score
Structures Score + Flooding Score (Average of L, M and N)
+Utilities score + Constructability Score (Minimum value of P&Q)

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				Alignment			Geotechnics	Structures		Flooding and Drainage		Utilities	Constitutedinty		Score	Score	ff
Start Chainage	End Chainage	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Total	Adjusted	Comments
50	100	0	0	-2	-1	-3 -3	0	-1 0	0	0	-1 0	0	0	-1	-4	-4	
100	150	0	0	-2	-1	-3	0	0	0	0	0	0	0	-4	-2	-2	
150 200	200 250	0	-1	-2 -2	-4	-3	0	0	0	0	0	0	0	-4	-2	-2	
250	300	0	-1	-2	-4	-3	0	0	0	0	0	0	0	-1	-2	-2	
300 350	350 400	0	-1	-2	-4	-3	0	0	0	0	0	0	0	-4	-2	-2	
400	450	0	0	-2	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	
450 500	500 550	0	-4	-2	-4	-3	0	0	0	0	0	0	0	-4	-2	-2	
550	600	0	-1	-2	-1	-3	0	0	0	0	0	0	0	-4	-2	-2	
600 650	650 700	0	-4	-2	-4	-3	-1	0	0	0	0	0	0	-4	-3	-3	
700	750	0	0	-2	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	
750 800	800 850	0	0	-2 -2	-1	-3 -3	0	0	0	0	0	0	0	-1	-2	-2	
850	900	0	0	-2	-1	-3	0	0	0	0	0	0	0	-4	-2	-2	
900 950	950 1000	0	-1	-2 -2	-1	-3 -3	0	0	0	0	0	0	0	-4	-2 -2	-2	
1000	1050	0	-1	-2	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	
1050 1100	1100 1150	0	-1 0	-2 -2	-1	-3 -3	0	0	0	0	0	0	-2	-4	-3	-3	
1150	1200	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
1200 1250	1250 1300	0	-4	-2	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	
1300	1350	0	-4	-2	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	
1350 1400	1400 1450	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	
1450	1500	0	-1	-2 -2	-1	-3	0	0	0	0	0	0	-2 -2	-1	-3	-3	
1500 1550	1550 1600	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
1600	1650	0	-1	-2 -2	-4 -4	-3 -3	0	0	0	0	0	0	-2 -2	-1	-3 -3	-3	
1650	1700	0	-4	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-4	-4	
1700 1750	1750 1800	0	-2	-2	-4	-3	-1	0	0	0	0	0	-2	-4	-5	-5	
1800	1850	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	
1850 1900	1900 1950	0	-3	-2 -2	-4	-3	-2 -2	0	0	0	0	0	-2	-4	+6 +6	-6 -6	
1950	2000	0	-3	-2	-4	-3	-2	0	0	0	0	0	-2	-1	-6	-6	
2000 2050	2050 2100	0	-2 -2	-2 -2	-1	-3	-1	0	0	0	0	0	-2	-4	+5 +5	-5	
2100	2150	0	-2	-2	-1	-3	0	0	0	0	0	0	-2	-4	-4	-4	
2150 2200	2200 2250	0	-1	-2 -2	-4	-3	0	0	0	0	0	0	-2	-1	-3 -3	-3	
2250	2300	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	
2300 2350	2350 2400	0	-1	-2 -2	-1	-3	0	-1	0	0	0	0	-2	-4	-4	-4	
2400	2450	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
2450 2500	2500 2550	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	
2550	2600	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-1	-5	-5	
2600 2650	2650 2700	0	-1	-2 -2	-4	-3 -3	0	0	0	0	0	0	-2	-4	+3 +3	-3	
2700	2750	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
2750 2800	2800 2850	0	-1	-2 -2	-4	-3 -3	0	0	0	0	0	0	-2	-4	-3	-3	
2850 2900	2900 2950	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	
2950	3000	0	0	-2 -2	-1	-3 -3	0	0	0	0	0	0	-2	-1	-3 -3	-3	
3000 3050	3050	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	
3100	3100 3150	0	-1	-2 -2	-1	-3 -3	-1	-1	0	0	0	0	-2	-1	-4 -5	-4 -5	
3150	3200	0	-1	-2	-1	-3	0	-1	0	0	0	0	-2	-1	-4	4	
3200 3250	3250 3300	0	-1 0	-2 -2	-4 -4	-3 -3	0	0	0	0	0	0	-2	-1	-3 -3	-3	
3300	3350	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
3350 3400	3400 3450	0	-1	-2 -2	-1	-3 -3	0	0	0	0	0	0	-2	-1	-3	-3	
3450 3500	3500	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	
3550	3550 3600	0	-1	-2 -2	-1	-3 -3	-1 -2	-1 0	0	0	0	0	-2	-1	-5 -6	-6 -6	
3600 3650	3650 3700	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-4	+6	-6	
3700	3750	0	-3 -3	-2 -2	-1	-3 -3	-2 -2	0	0	0	0	0	-2	-4	+6 +6	-6 -6	
3750	3800	0	-3	-2	-4	-3	-2	0	0	0	0	0	-2	-1	-6	-6	
3800 3850	3850 3900	0	-3 -3	-2 -2	-4 -4	-3 -3	-2 -2	0	0	0	0	0	-2	-1	+6 +6	-6 -6	
3900	3950	0	-3	-2	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	
3950 4000	4000 4050	0	-3 -3	-2 -2	-4 -4	-3 -3	-2 -3	0	0	0	0	0	-2	-1	-6 -7	-6 -7	
4050	4100	0	-3	-2	-4	-3	-3	0	0	0	0	0	-2	-1	-7	-7	
4100 4150	4150 4200	0	-3 -3	-2	-1	-3 -3	-3 -2	0	0	0	0	-2	-2	-4	-7 -8	-7 -8	
4200	4250	0	-3	-2	-4	-3	-2	0	0	0	0	0	-2	-1	-6	-6	
4250 4300	4300 4350	0	-3	-2 -2	-4	-3	-2	0	0	0	0	0	-2	-1	-6 -5	-6	
		0	-3	-2	-1	-3	-1	0	0	0	0	0	-2	-4	۰5	-5	1

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4350 4400	4400 4450	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-5	-5	
4450	4500	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	
4500	4550	0	-1	-2	-4	-3	0	-3	0	0	0	0	-2	4	-6	.9	
4550	4600	0	-2	-2	-4	-3	-1	-3	0	0	0	0	-2	-1	-8	-9	
4600	4650	0	-2	-2	-1	-3	-2	-3	0	0	0	0	-2	-4	-9	-9	
4650	4700	0	-3	-2	-1	-3	-2	-3	0	0	0	0	-2	-1	-9	-9	
4700 4750	4750 4800	0	-3	-2	-1	-3	-2	-3	0	0	0	0	-2	-4	-9 -8	.9	
4800	4850	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	-1	-8	-9	
4850	4900	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-3	0	-9	.9	
4900	4950	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-3	0	-9	-9	
4950 5000	5000 5050	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-3	0	-9	-9	
5050	5100	0	-1	-2	-1	-3	0	-3	0	0	0	0	-3	0	-7	-9	
5100	5150	0	-4	-2	-4	-3	0	-3	0	0	0	0	-3	0	-7	.9	
5150	5200	0	-1	-2	-4	-3	0	0	0	0	0	0	-3	0	-4	-4	
5200	5250	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5250	5300	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	+6	-6	
5300 5350	5350 5400	0	-2	-2	-4	-3	-1	0	0	0	0	0	-3	0	+6 +6	-6	
5400	5450	0	-2	-2	-4	-3	-1	0	0	0	0	0	-3	0	-6	-6	
5450	5500	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	
5500	5550	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5550 5600	5600 5650	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5650	5700	0	-1	-2	-4	-3	0	0	0	0	0	0	-3	0	-4	-4	
5700	5750	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5750	5800	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
5800	5850	0	-1	-2	-1	-3	-1	0	0	0	0	0	-3	0	-5	-S	
5850 5900	5900 5950	0	-2	-2	4	-3	4	0	0	0	0	0	-3	0	-6	-6	
5950	6000	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	+6 +6	-6	
6000	6050	0	-2	-2	-4	-3	-1	0	0	0	0	0	-3	0	+6	-6	
6050	6100	0	-2	-2	-4	-3	0	0	0	0	0	0	-3	0	+5	-5	
6100 6150	6150 6200	0	-1	-2	-4	-3	0	0	0	0	0	0	-3	0	-4	-4	
6200	6250	0	-1	-2	4	-3	0	0	0	0	0	0	-3	0	-4	-4	
6250	6300	0	0	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
6300	6350	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	
6350 6400	6400 6450	0	-2	-2	-4	-3	-1	0	0	0	0	0	-3	0	+6	-6	
6450	6500	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6 -7	-6	
6500	6550	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	
6550	6600	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	
6600	6650	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	
6650 6700	6700 6750	0	-3	-2	-1	-3	-2 -2	0	0	0	0	0	-3	0	-7	-7	
6750	6800	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	
6800	6850	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	
6850	6900	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	
6900 6950	6950 7000	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	
7000	7050	0	-3 -2	-2	-1	-3	-2 -2	0	0	0	0	0	-3	0	-7	-7	
7050	7100	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	
7100	7150	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	
7150 7200	7200 7250	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	+6	-6	
7250	7300	0	-2	-2	-1	-3	-3	0	0	0	0	0	-3	0	-8 -8	-8	
7300	7350	0	-2	-2	-1	-3	-3	0	0	0	0	0	-3	0	-8	-8	
7350	7400	0	-2	-2	-1	-3	-3	0	0	0	0	0	-3	0	-8	-8	
7400 7450	7450 7500	0	-1	-2	-1	-3	-3	0	0	0	0	0	-3	0	-7	-7	
7500	7550	0	-1	-2	-1	-3	-2	0	0	0	0	0	-3	0	-6	-6	
7550	7600	0	-1	-2	-1	-3	-2	0	0	0	0	0	-3	0	-6	-6	
7600 7650	7650 7700	0	0	-2	-1	-3	-2	0	0	0	0	0	-3	0	-6	-6	
7700	7750	0	0	-2	-1	-3	-2	0	0	0	0	0	-3	0	-6 -6	-6	
7750	7800	0	-1	-2	-1	-3	-2	0	0	0	0	0	-3	0	-6	-6	
7800	7850	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
7850	7900	0	0	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	
7900 7950	7950 8000	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
8000	8050	0	-1	·2	-1	-3	0	0	0	0	0	0	-2	-4	-3 -3	-3	
8050	8100	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	
8100	8150	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
8150 8200	8200 8250	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	
8250	8300	0	-1 0	-2	-1	-3	0	0	0	0	0	0	-2 -2	-1	-3 -3	-3	
8300	8350	0	-1	-2	4	-3	0	0	0	0	0	0	-2	4	-3	-3	
8350	8400	0	-1	-2	-1	-3	0	-3	0	0	0	0	-2	-4	-6	-9	
8400	8450	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	-1	-8	.9	
8450 8500	8500 8550	0	-2 -2	·2 ·2	-1	-3	-1	-3	0	0	0	0	-2	-4	-8 -8	.9 .9	
8550	8600	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	-4	-8	.9	
8600	8650	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	-4	-8	-9	
8650 8700	8700 8750	0	-2	-2	-4	-3	-1	-3	0	0	0	0	-2	-1	-8	-9	
8700 8750	8800	0	-2	·2 ·2	-1	-3 -3	-1	-3	0	0	0	0	-2	-1	-8 -8	.9 .9	
8800	8850	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	-1	-8	-9	
8850	8900	0	-2	-2	-1	-3	0	-3	0	0	0	0	-2	-1	-7	.9	
8900 8950	8950 9000	0	-1	-2	-4	-3	0	-3	0	0	0	0	-2	-4	+6	-9	
9000	9050	0	-1 0	·2	-1	-3	0	0	0	0	0	0	-2	-4	-3 -3	-3	
9050	9100	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
9100	9150	0	-1	-2	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	
9150 9200	9200 9250	0	-1	-2	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	
9250	9300	0	-1	·2	-4	-3	-4	0	0	0	0	0	-2 -2	-1	-4 -5	-4	
9300	9350	0	-2	-2	4	-3	-4	0	0	0	0	0	-2	-4	-5	-5	
9350	9400	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-4	+5	-S	
9400 9450	9450 9500	0	-2	-2	-4	-3	-1	0	0	0	0	0	-2	-1	-5 -5	-S	
9500	9550	0	-2	·2	-1	-3	-1	0	0	0	0	0	-2	-1	-S -S	-5	
9550	9600	0	-2	-2	4	-3	-1	0	0	0	0	0	-2	-1	-5	-5	
9600	9650	0	-2	-2	-4	-3	-1	0	0	0	0	0	-2	-4	-5	-5	
9650 9700	9700 9750	0	-2	-2	-4	-3	-4	0	0	0	0	0	-2	-4	-S	-5	
9750	9800	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-1	-5	-5	
9800	9850	0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-1	-5	-5	
9850	9900	0	-	-2	-4	-3	-1	0	0	0	0	0	-2	-1	-5	-5	

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9600 9600 9600 9700 9700 9700 9700 9700	•																	
1982 1982	9900	9950		-2	-2	-1	-3	-1					-	-2	-1		-5	
				-2	-2	-4	-3							-2	-1		-5	
1000	10050	10100		-2			-3							-2			-5	
Section Sect				-2	-2	-4	-3	-1	0	0		0	0	-2	-4		-5	
Section Sect				-1	-2	-1	-3							-2	-4			
1980 1980				-1	-2	-4	-3							-2				
1905				-1	-2													
1965 1966 1967 1968 1969				-1	-2	-1	-3		0			0	0	-2	-1	-3	-3	
1985 1985			0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-1	-5	-5	
1905 1906 1906 1				-2	-2	-1	-3							-2	-4			
1900				-2			-3							-2			-5	
1979 1979				-2			-3										-5	
1995			0	-2	-2	-1	-3	-1	0	0	0	0	0	-2	-1	-5	-5	
1980 1980				-2	-2	-4	-3	-2						-2			-6	
1980 1990				-2	-2													
1996 1996				-2														
11000				-2	-2	-1	-3		0	0		0	0	-2	-1		-5	
11900				-2	-2	-4	-3							-2				-
11100				-2			-3										-5	
1150				-2	-2	-1	-3	-1	0	0		0	0	-2	-1		-5	
11500				-2	-2	-1	-3		0		0	0	0	-2	-1		-5	
1150				-2	-2	-4	-3							-2				
13450				-2													-6	
11500 1150			0	-2	-2								0				-6	
11500 11500 1 1 1 1 1 1 1 1 1				-2	-2	-1	-3	-2						-2		-6	-6	
11500				-2	-2	4	-3	-2						-2		-6	-6	
11500 11700 1	11550			-2			-3										-6	
11790			0	-1	-2		-3							-2			-4	
1190				-1	-2	-1	-3							-2				
1880				-1	-2	-4	-3							-2				
11900				-1													-4	
1950 12000	11850	11900		-1													-4	
1200				-1	-2	-1	-3		0	0		0	0	-2	-4		-4	
1200				-1	-2	-1	-3		-1					-2			-5	
12100				-1			-3		-1								-5	
1200				-1			-3		-1								-5	
1250			0	-1	-2	-1	-3	-1	0	0	0	0	0	-2	-4	-4	-4	
12300				-1	-2	-1	-3							-2				
12300 12400 1				-1														
12500				0														
12500			0	0	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
12500 12600					-2	-1	-3							-2			-3	
12600 12690 0							-3										-3	
12700							-3										-3	
12790 12800 0			0	0	-2	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
12800					-2		-3							-2			-3	
12800														-2			-3	
13900																		
13000			0	0	-2	-1	-3	0	0	0	0	0	0	-4	-4	-2	-2	
13100					-2		-3							-4				
13100				0			-3							- 4			-2	
13200				0			-3										-2	
13250 3300 0 0 2 4 3 0 5 6 0 0 4 1 2 2 13300 13350 0 0 2 4 3 0 0 0 0 0 0 4 1 1 2 2 13300 13350 0 0 2 2 4 3 0 0 0 0 0 0 4 1 1 2 2 13400 13450 0 0 2 2 4 3 0 0 0 0 0 0 4 1 1 2 2 13400 13450 0 0 2 2 4 3 0 0 0 0 0 0 0 4 1 1 2 2 13500 13500 0 0 2 2 4 3 0 0 0 0 0 0 0 4 4 4			0	0	-2	-1	-3	0	0	0	0	0	0	-4	-1	-2	-2	
13300	13200	10200	0	0	-2	-1	-3	0	0	0	0	0	0	-4	-1	-2	-2	
13350							-3							- 4				
13500	13350	13400																
13500				0	_	-1	-3		0	0				-4	-4			
13550				0			-3											
13600				-1			-3											
13750	13600	13650					-3											
13750 13800 0 0 2 1 3 0 0 0 0 0 0 0 0 0				-1														
13800																		
13850																		
13950		13900	0	0	-2			0	0	0	0	0	0		-1	-3		
14000 14050 0 0 0 2 4 3 0 0 0 0 0 0 2 4 3 3 0 0 0 0 0 0 0 2 4 3 3 3 14050 14150 0 0 0 2 4 3 3 0 0 0 0 0 0 0 0 0 0 2 4 3 3 3 14150 14150 14250 0 0 0 2 4 3 3 0 0 0 0 0 0 0 0 0 0 2 4 3 3 3 14150 14250 14250 0 0 0 0 2 4 3 3 0 0 0 0 0 0 0 0 0 0 2 4 3 3 3 3 14250 14250 14250 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
1400																		
14100	14050	14100					-3											
14200			0				_	0			0					-3		
14250																		
14350																		
14350 14400 0 0 0 0 2 1 3 0 0 0 0 0 0 0 3 1 3 3 3 14400 14450 0 0 0 2 1 3 3 0 0 0 0 0 0 0 0 0 0 2 1 3 3 3 14400 14450 14500 0 1 4 2 1 3 0 0 0 0 0 0 0 0 0 2 1 3 3 3 14500 14550 0 14550 0 14550	14300	14350																
14450			0		-2			0	0	0	0	0	0		-1	-3		
14500				0														
14550				-1			-3											
14600 14650 0 4 2 4 3 0 0 0 0 2 4 3 3 14650 14700 0 4 2 4 3 0 0 0 0 2 4 3 3 14700 14750 0 4 2 4 3 0 0 0 0 2 4 3 3 14800 14800 0 4 2 4 3 0 0 0 0 2 4 3 3 14800 14850 0 4 2 4 3 0 0 0 0 2 4 3 3 14850 14900 4 2 4 3 0 0 0 0 2 4 3 3 14990 14950 0 4 2 4 3 0 0	14550	14600		-1			-3											
14700	14600	14650	0		-2	-4	_	0	0	0	0	0	0	-2	-1	-3	-3	
14750																		
14800																		
14850																		
14950	14850	14900			-2													
15000				-1			-3							-2				
15050				-1			-3											
15100				-1			-3											
15200 15250 0 4 2 4 3 0 0 0 0 0 0 2 4 3 3 3 15300 15300 0 4 2 4 3 0 0 0 0 0 0 0 0 0 2 4 3 3 3 15300 15300 0 4 2 4 3 0 0 0 0 0 0 0 0 2 4 3 3 3 15300 15300 0 4 2 4 3 0 0 0 0 0 0 0 2 4 3 3 3 15350 15400 0 2 2 4 3 3 4 0 0 0 0 0 0 0 2 4 3 3 3	15100	15150																
15250 15300 0 1 2 1 3 0 0 0 0 0 0 0 0 2 1 3 3 1 15300 15350 0 1 2 2 2 1 3 1 0 0 0 0 0 0 0 0 2 1 1 3 3 1 15350 15400 0 2 2 2 1 3 1 0 0 0 0 0 0 0 2 1 1 5 5			0	0	-2		-3	0	0		0	0			-4			
15300 15350 0 1 2 1 3 0 0 0 0 0 0 0 2 1 3 3 1 15350 15400 0 2 2 2 1 3 1 0 0 0 0 0 0 0 2 1 1 5 5				-1														
15350 15400 0 2 2 4 3 4 0 0 0 0 0 2 4 4 3				-1														
				-2														
				-2	-2	-1	-3	-1			0	-1		-2	-1		-5	

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15450	15500	0	-2	-2	-1	-3	-1	0	0	0	-1	0	-2	-4	-5	-5	
15500	15550																
15550	15600																

D+01-003

Rules
Total Score
Structures Score + Flooding Score (Average of L, M and N)
+Utilities score + Constructability Score (Minimum value of P&Q)

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				Alignment			Geotechnics	Structures		Flooding and Drainage		Utilities	Constituted		Score		If
Start Chainage	End Chainage	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain o	Watercourse Crossings	Attenuation requirement •	Utilities	Construction access	Temp disruption	Total "	Adjusted "	Comments
50	100	0	0	-2	0	-3	0	0	0	0	0	0	0	-1	-3	-3	
100 150	150 200	0	0	-2	0	-3	0	0	0	0	0	0	0	-1	-2	-2	
200	250	0	-1	-2 -2	0	-3 -3	0	0	0	0	0	0	0	-1	-2 -2	-2	
250	300	0	0	-2	0	-3	0	0	0	0	0	0	0	-4	-2	-2	
300 350	350 400	0	0	-2 -2	0	-3	0	0	0	0	0	0	0	-4	-2	-2	
400	450	0	0	-2	0	-3	0	0	0	0	0	0	0	-1	-2	-2	
450 500	500 550	0	0	-2	0	-3	0	0	0	0	0	0	0	4	-2	-2	
550	600	0	0	-2	0	-3	0	0	0	0	0	0	0	-1	-2	-2	
600 650	650 700	0	0	-2 -2	0	-3	0	0	0	0	0	0	0	4	-2	-2	
700	750	0	0	-2	0	-3	0	0	0	0	0	0	0	4	-2	-2	
	800 850	0	0	-2 -2	0	-3	0	0	0	0	0	0	0	4	-2	-2	
850	900	0	0	-2	0	-3	0	0	0	0	0	0	0	-4	-2	-2	
900 950	950 1000	0	0	-2	0	-3	0	0	0	0	0	0	0	-1	-2	-2	
1000	1050	0	0	-2 -2	0	-3 -3	-1	0	0	0	0	0	0	-1	-3	-3	
	1100 1150	0	0	-2	0	-3	-1	0	0	0	0	0	-2	-4	-4	-4	
1100	1200	0	0	-2 -2	0	-3	-1	0	0	0	0	0	-2	-4	-4	-4	
1200	1250	0	0	-2	0	-3	-1	0	0	0	0	0	-2	-4	-4	-4	
	1300 1350	0	0	-2 -2	0	-3	-1	0	0	0	0	0	-2	-1	-4	-4	
1350	1400	0	4	-2	0	-3	-1	0	0	0	0	0	-2	-1	-4	4	
1400 1450	1450 1500	0	-1	-2	0	-3	-1	0	0	0	0	0	-2	-4	-4	-4	
1500	1550	0	-1	-2 -2	0	+3 +3	-1 0	0	0	0	0	0	-2	-1	-4	-4	
1550	1600	0	-4	-2	0	-3	0	0	0	0	0	0	-2	-4	-3	-3	
1600 1650	1650 1700	0	-1 0	-2 -2	0	-3	0	0	0	0	0	0	-2	-4	-3	-3	
1700	1750	0	0	-2	0	-3	0	0	0	0	0	0	-2	-4	٠3	-3	
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1900 1950	1950 2000	0	0	-2 -2	0	-3	0	0	0	0	0	0	-2	-4	-3	-3	
2000	2050	0	0	-2	0	-3 -3	0	0	0	0	0	0	-2	-1	-3	-3	
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2150	2200	0	-1	-2 -2	0	-3 -3	0	0	0	0	0	0	-2	-1	-3 -3	-3	
2200	2250	0	-1	-2	0	-3	0	0	0	0	0	0	-2	-4	-3	-3	
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2500	2550	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	4	-4	-4	
2550 2600	2600 2650	0	-2	-2	0	-3	-4	-1	0	0	0	-2	-2	-4	-7	-7 -4	
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3000 3050	3050 3100	0	0	-2	0	-3	0	0	0	0	0	0	-2	-4	-3	-3	
3100	3150	0	0	-2	0	-3 -3	0	0	0	0	0	0	-2	4	-3 -3	-3	
3150 3200	3200 3250	0	-1	-2	0	-3	0	0	0	0	0	0	-2	-1	-3	-3	
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4250	4300	0	0	-2	0	-3	0	0	0	0	0	0	-2	-4	-3	-3	
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4350 4400	4400 4450	0	0	-2	0	-3	0	0	0	0	0	0	-2	-1	-3	-3	
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9100 9150	9150 9200	0	-3	-2	0	-3	-1	0	0	0	0	0	-2	-4	-5	-5	
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9800	9850	0	-4	-2	0	-3	0	0	0	0	0	0	-2	4	-3	-3	
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1000 1000	9900	9950	0	-2	-2	0	-3	-1	0	0	0	0	0	-2	-4	-4	-4	
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1995 1996				-2			_										_	
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1995 1996 1996 1				-2	-2		-3							-2	-4			
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1990				.1	.2		-3										.3	
1970 1970				-1	-2		-3							-2			-3	
1990 1995 1				-1	-2	0	-3		0	0	0	0	0	-2	-4	-3	-3	
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1990				-1			-3		0						-4	-3	-3	
1999 11000				-1	_		_											
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1100				-2	-2		-3							-2				
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1460																		
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1300				-1	-2		-3							-2			-3	
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13750 13800 0 0 4 2 0 3 0 0 0 0 0 0 0 0 4 2 3 3 3 3 13800 13850 0 14 2 0 3 0 0 0 0 0 0 0 0 0 14 2 3 3 3 3 13850 13850 13900 13950 0 14 3 0 0 3 0 0 0 0 0 0 0 0 14 2 3 3 3 3 13850 13900 13950 0 14 3 0 0 3 0 0 0 0 0 0 0 0 14 2 3 3 3 3 13850 13900 13950 14000 0 14 5 2 0 3 3 0 0 0 0 0 0 0 0 14 2 3 3 3 3 13850 14000 0 14050 0 14 3 0 0 3 0 0 0 0 0 0 0 0 0 14 2 3 3 3 3 14000 14150 0 14 2 0 0 3 0 0 0 0 0 0 0 0 0 0 14 2 3 3 3 3 14100 14150 0 14 2 0 0 3 0 0 0 0 0 0 0 0 0 0 14 2 3 3 3 3 14100 14150 0 14 2 0 0 3 0 0 0 0 0 0 0 0 0 0 0 14 2 3 3 3 3 14100 14150 0 14 2 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 14 2 3 3 3 3 14100 14150 0 0 14 2 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0														-4				
13800																		
13850 13900 0 0 4 3 2 0 3 0 0 0 0 0 0 0 4 2 3 3 3 3 1 3 13950 13950 14000 0 13950 0 13950 0 14000 0 14050 0 14000 14050 0 14 2 0 13 0 0 1 0 0 0 0 0 0 1 1 2 0 1 3 1 14000 14150 0 14 2 0 13 0 0 1 0 0 0 0 0 0 0 1 1 2 0 1 3 1 14100 14150 0 14 2 0 13 0 0 0 0 0 0 0 0 0 0 0 1 1 2 0 1 3 1 14100 14150 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																		
13900 13950 0																		
13950 14000 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	13900	13950		-1														
1400				-1	-2		-3								-2			
14100				-1			-3							-4				
14150				-1			-3											
14200				-1			_											
14250				-1			_											
14300																		
14400 14450 0 4 2 0 4 0 0 0 0 0 4 2 3	14300	14350	0		-2			0										
14450 14500 0 4 2 0 4 0 0 0 0 0 4 2 3			0	-1		0		0								-3		
14500					-2													
14550 14600 0 4 2 0 3 0 0 0 0 4 4 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 2 1 1 2 2 2 2 2 1 1 2 2 2 2 2 1 1 1 2 2 2 2 1 1 1 2 2 2 1 1 1 2 2 2 2 1 3 0				-1	-2									-4				
14600				-1			-3							4				
14550							-3											
14700	14650	14700		-1	_		_											
14800	14700	14750		0														
14850 14900 0 0 2 0 3 0			0	0		0	-3	0	0	0	0	0	0	-4	-4	-2	-2	
14900																		
14950					_													
15000				0	-2													
15000 15100 0 1 2 2 0 3 0 0 0 0 0 0 0 1 1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				-1	-2		-3							-4				
15100				-1			-3							-4				
15150 15200 0 2 2 0 0 3 4 0 0 0 0 0 0 4 4 3 3 3 15200 15250 0 2 2 0 3 4 0 0 0 0 0 0 4 4 3 3 3 15250 15300 0 2 2 0 3 4 0 0 0 0 0 0 4 4 3 3 3 15300 15350 0 2 2 0 3 4 0 0 0 0 0 0 4 4 3 3 3 15300 15350 0 2 2 0 0 3 4 0 0 0 0 0 0 4 4 3 3 3 15300 15350 0 2 2 0 0 3 4 0 0 0 0 0 0 4 4 3 3 3				-2														
15200 15250 0 2 3 0 3 1 0 0 0 0 0 1 4 3 3 3 15250 15300 0 2 3 0 0 3 1 0 0 0 0 0 0 1 1 3 3 3 3 15300 15350 0 2 3 0 0 3 1 0 0 0 0 0 0 1 1 3 3 3 3 3 15300 15350 0 2 3 0 0 3 1 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1		15200		-2			_										_	
15300 15350 0 3 3 0 3 1 0 0 0 0 0 0 1 1 3 3	15200	15250		-2														
			0	-2	-2	0	-3		0	0	0	0	0	-4	-4	-3	-3	
					_													
15350 15400 0 3 3 0 3 1 0 0 0 0 0 4 1 3 3				-2	-2		-3		0		0			-1	-1			
15400 15450 0 2 0 3 0 0 0 0 0 1 1 2 2	15400	15450	0	-2	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	

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15450	15500	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-4	-2	-2	
15500	15550	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
15550	15600	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-4	-2	-2	
15600	15650	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
15650	15700	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
15700	15750	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
15750	15800	0	0	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
15800	15850	0	0	-2	0	-3	0	0	0	0	0	0	-1	-4	-2	-2	
15850	15900	0	0	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
15900	15950	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
15950	16000	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-4	-2	-2	
16000	16050	0	0	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
16050	16100	0	0	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
16100	16150	0	0	-2	0	-3	0	0	0	0	0	0	-1	-4	-2	-2	
16150	16200	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
16200	16250	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-1	-2	-2	
16250	16300	0	-1	-2	0	-3	0	0	0	0	0	0	-1	-4	-2	-2	
16300	16350																
16350	16400																

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Rules
Total Score
Structures Score + Flooding Score (Average of L, M and N)
+Utilities score + Constructability Score (Minimum value of P&Q)

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

9,	Ob in the state of			Alignment			Geotechnics	Structures		Flooding and Drainage		Utilities	Constitution	Constructability	20010	Score	
Start Chainage	End Chainage	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Total	Adjusted	Comments
0	50										-						combination of level difference, bendiness, hilliness and earthworks/m Difficult construction access and some local disruption due
50	100	0	0	-1	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	to construction
100	150	0	0	-1	-1	-3	0	0	0	0	0	0	-2	-4	-3 -3	-3	
150	200	0	0	-1	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
200 250	250 300	0	-1	-1	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	New bridge over burn of Drumblade watercourse and flood
300	350	0	-1	4	4	-3	0	4	0	0	0	0	-2 -2	4	-4	-4	plain. Span 100m combination of level difference, bendiness, hilliness and earthworks/m Difficult construction access and some local disruption due to construction
350	400	0	-1	-1	-1	-3	0	-1	0	0	0	0	-2	-1	-4	-4	combination of level difference, bendiness, hilliness and
400	450																earthworks/m Difficult construction access and some local disruption due to construction
450	500	0	0	-1	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	to construction
500	550	0	0	-1	-4	-3	0	0	0	0	0	0	-2	-4	-3	-3	
550 600	600 650	0	-1	4	-4	-3	0	0	0	0	0	0	-2	4	-3 -4	-3	structure for side road crossing
650	700	3			4	-3	0					U	4	1	-4	-4	combination of level difference, bendiness, hilliness and earthworks/m
700	750	0	-1	-1	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	Difficult construction access and some local disruption due to construction Cuttings up to 14m high in rock combination of level difference, bendiness, hilliness and earthworks/m Difficult construction access and some local disruption due
750	800	0	-1	-4	-4	-3	-1	0	0	0	0	0	-2	-1	-4	-4	to construction
800	850	0	-3	4	-4	-3	-2	0	0	0	0	0	-2	4	-6	-6	Cuttings up to 39m high in rock combination of level difference, bendiness, hilliness and earthworks/m Difficult construction access and some local disruption due to construction
900	900 950	0	-3	4	4	-3	-2	0	0	0	0	.1	-2	4	-6	-6	Cuttings up to 39m high in rock. Water Mains present in this location. combination of level difference, bendiness, hilliness and earthworks/m Difficult construction access and some local disruption due to construction.
950 1000	1000 1050	0	-3	4	4	-3	-2	0	0	0	0	-1	-2	4	-7	-7	Cuttings up to 39m high in rock combination of level difference, bendiness, hilliness and earthwork; m Difficut construction access and some local disruption due to construction
1050	1100	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	to construction
1100	1150	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	
1150 1200	1200 1250	0	-3	-1	-4	-3	-2	0	0	0	0	0	-2	4	-6 -6	-6	
1250	1300	0	-3	-1	-4	-3	-3	0	0	0	0	0	-2	4	-7	-7	Cuttings up to 45m high in rock combination of level difference, bendiness, hilliness and earthworks/m Difficult construction access and some local disruption due to construction
1350	1400	0	-3	-1	-4	-3	-3	0	0	0	0	0	-2	4	-7	-7	
1400 1450	1450 1500	0	-3	4	-4	-3	-3	0	0	0	0	0	-2	4	-7	-7	Cuttings up to 36m high in rock combination of level difference, bendiness, hilliness and earthworks/m Difficult construction access and some local disruption due to construction.
1500	1550	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
1550 1600	1600 1650	0	-3	-4	-4	-3	-2	0	0	0	0	0	-2	4	-6	-6	Cuttings up to 18m high in rock combination of level difference, bendiness, hilliness and earthworks/m Difficult construction access and some local disruption due to construction.
1650 1700 1750	1700 1750 1800	0	-1	4	4	-3	0	0	0	0	0	0	-2 -2	4	-3	-3	combination of bendiness, hilliness and earthworks/m Difficult construction access and some local disruption due to construction New bridge over Burn of Begshill and side road - length
1800	1850	0	-1	-1	-1	-3	-1	-1	0	0	0	0	-2	4	-5	-5	150m on non-identified ground combination of level difference, hilliness, bendiness and earthworks/m Very difficult construction access and some local disrupton Embankmeets up to 37m high on populatentified
1850	1900	0	-3	-4	-4	-3	-2	0	0	0	0	0	-2 -2	4	·6	-6	Embankments up to 32m high on non-identified geotechnical constraints combination of level difference, hilliness, bendiness and earthworks/m Very difficult construction access and some local disrupton
1950	2000	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	
2000 2050	2050 2100	0	-3	-1	-4	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
2100	2150	0	-3	-1	-4	-3	-2	0	0	0	0	0	-2	-1	+6 +6	-6 -6	
2150	2200	0	-3	4	4	-3	-2	0	0	0	0	0	-2	4	-6	-6	
2200 2250	2250 2300	0	-3	-4	-4	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
2300	2350	0	-3	-1	-4	-3	-2 -2	0	0	0	0	0	-2	4	+6 +6	-6 -6	
2350	2400	0	-3	4	4	-3	-2	0	0	0	0	0	-2	4	-6	-6	
2400 2450	2450 2500	0	-3	-4	-4	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
2500	2550	0	-3	-4	-4	-3	-2 -2	0	0	0	0	0	-2	-4	-6 -6	-6 -6	
2550 2600	2600 2650	0	-3	4	4	-3	-2	0	0	0	0	0	-2	4	-6	-6	New bridge over Burn of Denend and side road - length 150m on non-identified ground combination of level difference, hilliness, bendiness and earthworks;
2650	2700	0	-3	-4	-4	-3	-2 -2	-1	0	0	0	0	-2	-1	-7	-7 -7	Very difficult construction access and some local disrupton
2700	2750	0	-3	-1	-1	-3	-2	-1	0	0	0	0	-2	-1	-7	-7	
2750 2800	2800 2850	0	-3	4	-4	-3	-2	-1	0	0	0	0	-2	4	-7	-7	Embankments up to 32m high on non-identified geotechnical constraints combination of level difference, hilliness, bendiness and earthworks/m Very difficult construction access and some local disrupton
2850	2900	0	-3	4	4	-3	-2	0	0	0	0	0	-2	-4	-6	-6	and the same room of a special

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2900	2950																Embankments up to 18m high on non-identified geotechnical constraints
																	combination of level difference, hilliness, bendiness and
		0	-2	-1	-1	-3	-1	0	0	0	0	0	-2	-4	-4	-4	earthworks/m Very difficult construction access and some local disrupton
2950	3000	0	-2	-1	-1	-3	-1	0	0	0	0	0	-2	-4	-4	-4	
3000	3050	0	-2	-1	-4	-3	-1	0	0	0	0	0	-2	-1	-4	-4	
3050	3100																combination of level difference, hilliness, bendiness and earthworks/m
		0	-1	-1	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	Very difficult construction access and some local disrupton
3100	3150	0	-1	-1	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	
3150	3200	0	-1	-1	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
3200	3250	0	-1	-1	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	
3250	3300	0	0	-1	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
3300	3350	0	-1	-1	-1	-3	0	0	0	0	0	0	-2	-1	-3	-3	
3350	3400	0	-1	-4	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	
3400	3450	0	-1	-1	-1	-3	0	0	0	0	0	0	-2	-4	-3	-3	
3450	3500	0	-1	-1	-4	-3	0	0	0	0	0	0	-2	-1	-3	-3	
3500	3550																Cuttings up to 16m high in rock combination of level difference, hilliness, bendiness and
		0	-1	-1	-4	-3	-1	0	0	0	0	0	-2	-4	-4	-4	earthworks/m Very difficult construction access and some local disrupton
3550	3600	0	-2	-1	- 4	-3	-2	0	0	0	0	0	-2	4	-5	-5	They directly construction access and some local disruption
3600	3650		-2	-1	-1	-3	-2			0	0				-3	-5	Cuttings up to 37m high in rock
																	combination of level difference, hilliness, bendiness and earthworks/m
2552	2700	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	Very difficult construction access and some local disrupton
3650	3700	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
3700	3750	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
3750	3800	0	+3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	+6	-6	
3800	3850	0	+3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	+6	-6	
3850	3900	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
3900	3950	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	
3950	4000	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	
4000	4050	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-1	+6	-6	
4050	4100	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-1	-6	-6	
4100	4150	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-1	+6	-6	
4150	4200	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
4200	4250	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
4250	4300	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
4300	4350	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
4350	4400	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	+6	-6	
4400	4450	0	-3	-4	-4	-3	-2	0	0	0	0	0	-2	-1	+6	-6	J
4450	4500	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
4500	4550	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
4550	4600	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
4600	4650	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	+6	-6	
4650	4700	0	-3	-1	-1	-3	-2	0	0	0	0	0	-2	-4	-6	-6	
4700	4750																
4750	4800																

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Rules
Total Score
Structures Score + Flooding Score (Average of L, M and N)
+Utilities score + Constructability Score (Minimum value of P&Q)

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

00																		If
Section Sect	Chainage				Alignment			Geotechnics	Structures		Flooding and Drainage		Utilities	Constitution		Score		
9			Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Total	Adjusted	Comments
93	0 50		-1	-1					-1		0							Structure for tie in to A96
939	100	150		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
99	200																	
50	250		-1		0	0				0	0	0	0			0		
90	350	400																
90	400 450																	
90	500	550																
50	600																	
50	650	700					0			0								
900 950 1 2 3 8 8 8 1 8 8 9 1 8 8 9 1 8 8 9 1 8 8 9 1 8 8 9 1 8 8 9 1 8 8 9 1 8 8 9 1 8 8 9 1 8	750	800																
900 950 950 1000 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	800 850																	
1000 1000	900	950	-1	-1	0	0	0	0	0	0	0	0	0	0		0		
1100	950 1000														0		4	
1300	1050	1100	-1	0							0				0		-3	Minor embankments on compressible ground Difficult construction access
1250 1350 1	1100 1150		-1	0	0			-1	-		0	0			0		-3	
1300 1360 1	1200	1250		0		0	0			0			0	-2		-3		
1450	1300			-1														
1500	1350			-1				-1			0			-2	0			
1500	1450	1500		-1				-4			0			-2	0			
1650	1500 1550			-1														
1750	1600	1650		-1	0	0	0		0	0		0	0	-2		-2		
1800	1650 1700		-1	-1				0			0				0		-2	
1900	1750	1800		-1	0	0	0	0		0		0	0	-2	0	-2	-2	
990 1950 14	1850																	
1000 2050	1900			-1	0	0	0			0	0	0		-2	0			
1100 2150	2000	2050																
1150 2200 3	2050 2100																	
2300 2300 34	2150	2200	-1	-1	0	0		0	0	0	0	0	0		0	-2	-2	
2350 2350 3	2250		-1	-1														
1440	2300		-1		0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
2550 2560	2400	2450	-	-1							0			-2	0		-2	
1600	2500	2550	-1	-2	0	0	0	4	0	0	0	0	-2	-2	0	-4 -6	-4	Difficult construction access Wind Turbines within 100m alignment - ch 2535 and ch 2572 Difficult construction access. Cutting up to 16m in non
1	2550 2600		-1	-2	0	0	0	-1	0	0	0	0	-2	-2	0	+6	-6	Cuttings up to 15.5m high in non-identified geotechnical constraint
2750	2650		-1	-2				-1	0		0	-		-2		-4	-4	Difficult construction access Structure for farm access
1800	2700	2750	-1		0	0	0			0	0	0	0		0	-2	-2	Commence of the Commence of th
1850 2900 4	2750 2800																	
1950 3000 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2850	2900		-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
1000 3100 4	2950	3000	-1															
1100 3150	3000 3050																	
1200 3250 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3100	3150	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
1250 3300 3350 3 0 0 0 0 0 0 0 0	3200	3250																
3350 3400 4 0 0 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	-2	-2	
1450	3350	3400																
1500 3550 3600 1 0 0 0 0 0 0 0 0	3400 3450																	
1600 3650	3500	3550	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
1650 3700	3600	3650																
1750 3800 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3650	3700		0	0	0	0	0	0	0	0	0	0		0	-2	-2	
	3750	3800																
1900 3950 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 0	3800 3850		-1	0	0	0		0	0		0	0	0	-2	0	-2	-2	plain - Span 100m on potential compressible ground
950 4000	3900		-1	-1	0	0		-1	-4		0	0	0	-2	0	-4	-4	access
	3950 4000			-1					-1								_	
	4050	4100			0	0	0	0	0	0		0	0	-2	0	-2	-2	

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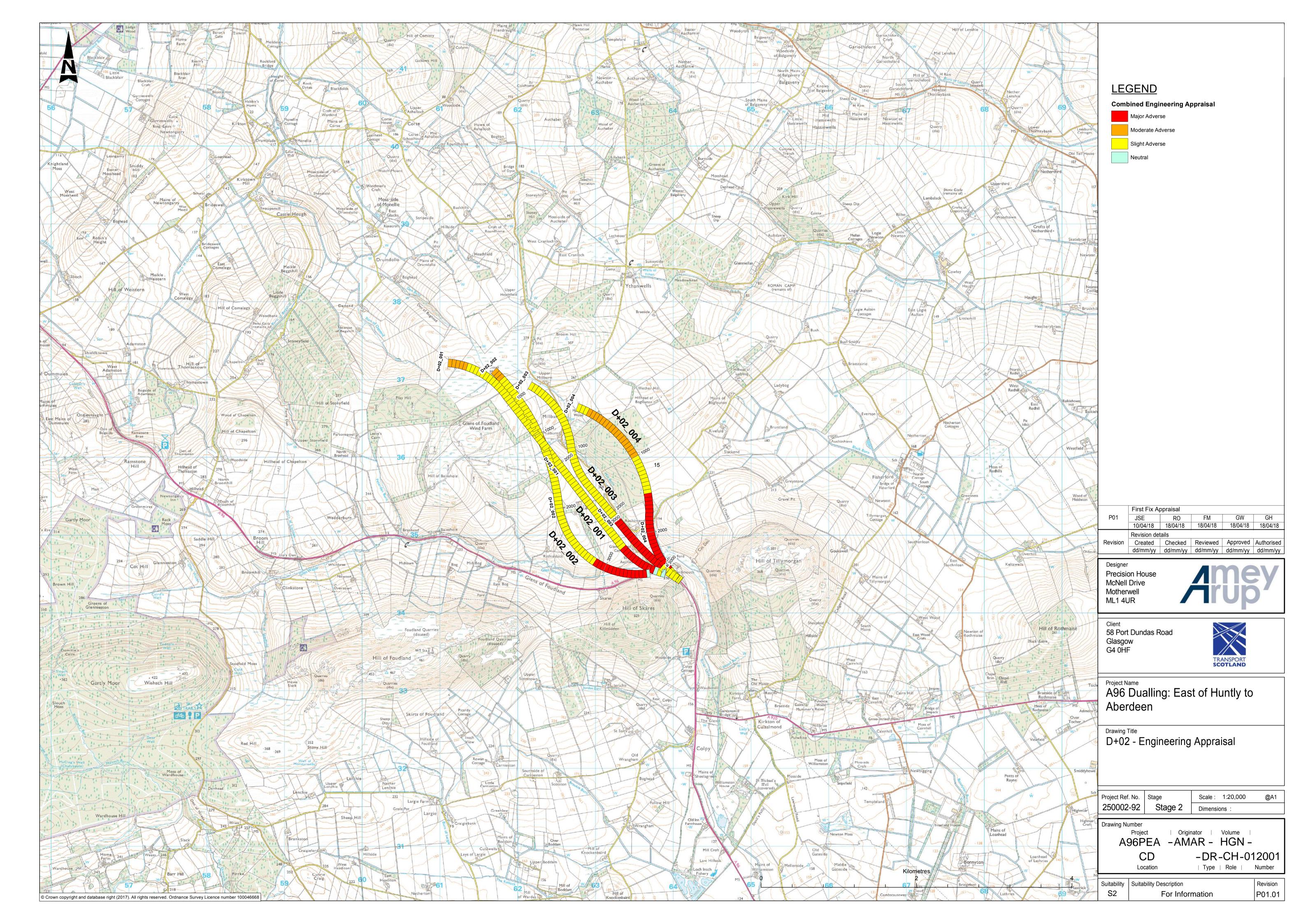
4100															_		
4150	4150 4200	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
4200	4250	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
4200	4300	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
4300	4350		-1										-2			-2	
4350	4400	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
4400	4450	-1	0	0	0	0	0	0	0	0	0	0	.,	0	-2	-2	
4450	4500	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
4500	4550	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
4550	4600	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
4600	4650	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
4650	4700	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	Cuttings up to 11.5m high in rock
4700	4750			0				_		0	0	0		0			combination of level difference and difficult construction access
4750	4800	-1	-1	0	0	0	-1	0	0	0	0	0	-2	0	-4	-3	access
4800	4850	-1	.2	0	0	0	-4	0	0	0	0	0	.,	0	-4	-4	
4850	4900	-1	-2	0	0	0	0	0	0	0	0	0	-2	0	-3	-3	
4900	4950	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
4950	5000	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
5000	5050																New bridge over Garlet Burn and side road - length 350m on potentially compressible ground
		-1	-1	0	0	0	0	-3	0	0	0	0	-2	0	-5	.9	combination of level difference and very difficult construction access
5050	5100	-1	-2	0	0	0	-2	-3	0	0	0	0	-2	0	-8	.9	
5100	5150	-1	-3	0	0	0	-3	-3	0	0	0	0	-2	0	-9	-9	
5150	5200	-1	-3	0	0	0	-3	-3	0	0	0	0	-2	0	.9	.9	
5200	5250	-1	-3	0	0	0	-3	-3	0	0	0	0	-2	0	-9	-9	
5250	5300	-1	-3	0	0	0	-1	-3	0	0	0	0	-2	0	-7	-9	
5300	5350 5400	-1	-2	0	0	0	-1	-3	0	0	0	0	-2	0	-7	-9	
5350 5400	5450	-1	-1	0	0	0	0	-3	0	0	0	0	-2	0	+5	-9	
5450	5500	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
5500	5550	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
5550	5600	-1	-4	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
5600	5650	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
5650	5700	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
5700	5750	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
5750	5800	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
5800	5850	-1	0	0	0	0	0	0	0	0	0	-1	-2	0	-3	-2	Private Water supply - alignment at grade
5850	5900	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
5900	5950	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
5950	6000	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6000	6050	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6050 6100	6100 6150	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6150	6200	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6200	6250	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6250	6300	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6300	6350	-1	-1	0	0	0	0	0	0	0	0	0	.,	0	-2	-2	
6350	6400	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6400	6450	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6450	6500	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6500	6550	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6550	6600	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6600	6650	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6650	6700	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6700	6750	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6750 6800	6800 6850	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
6850	6900	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	Cuttings up to 17m high in non-identified geotechnical
0830	0300																constraint and rock combination of level difference and very difficult
6900	6050	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	-4	construction access
6950	6950 7000	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	-4	
7000	7050	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	4	
7050	7100	-1	.2	0	0	0	-4	0	0	0	0	0	.2	0	-4	-4	
7100	7150	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	-4	
7150	7200	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	4	
7200	7250	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	-4	
7250	7300	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	-4	
7300	7350																Cuttings up to 29m high in non-identified geotechnical constraint and rock
		-1	-2	0	0	0	-2	0	0	0	0	0	-2	0	-5	-5	combination of level difference and very difficult construction access
7350	7400	-1	-3	0	0	0	-2	0	0	0	0	0	-2		-5	-5	
7400	7450	-1	-3	0	0	0	-2	0	0	0	0	0		0			i e
7450	7500	-1	-3	0	0	0	-2	0	0				-2	0	-5	-5	
7500	7550	-1	-3	0					U	0	0	0	-2 -2		+5 +5	-5	
7550	7600		_		0	0	-2	0	0	0			-2	0			Wind Turbine within 100m of alignment combined with outlings up to 28.5m in rock and construction access issues.
1	1				0	0	-2	0			0		-2	0			cuttings up to 28.5m in rock and construction access issues. Cuttings up to 29m high in non-identified geotechnical constraint and rock
Ì		-1	.3	0	0	0	-2	0			0		-2	0			cuttings up to 28.5m in rock and construction access issues. Cuttings up to 29m high in non-identified geotechnical constraint and rock combination of level difference and very difficult
7600	7650	-1	-3				-2 -2 -2		0	0	0	-2	-2 -2 -2 -2 -2	0	-7		cuttings up to 28.5m in rock and construction access issues. Cuttings up to 29m high in non-identified geotechnical constraint and rock
7650	7700	-1 -1	-3	0	0	0	-2 -2 -2	0	0	0	0	-2 0	-2 -2 -2 -2 -2 -2	0	-5 -7	-5 -7	cuttings up to 28.5m in rock and construction access issues. Cuttings up to 29m high in non-identified geotechnical constraint and rock combination of level difference and very difficult
7650 7700	7700 7750			0	0	0		0	0	0	0 0 0 0 0	0 -2 0	-2 -2 -2 -2	0	-5 -7 -5 -5	-5 -7 -5 -5	cuttings up to 28.5m in rock and construction access issues. Cuttings up to 29m high in non-identified geotechnical constraint and rock combination of level difference and very difficult
7650 7700 7750	7700 7750 7800	-1	-3	0	0	0	-2	0 0	0 0 0	0 0 0	0 0 0	0 -2 0 0	-2 -2 -2 -2 -2	0 0 0 0 0 0 0 0	-5 -7 -5 -5	-5 -7 -5 -5	contings up to 28 fm in rind and construction access sous- contings up to 27 mg/l in non-scientificage condended complex of the construction of the construction of several construction access
7650 7700	7700 7750	-1	-3	0 0 0	0	0 0	-2 -2	0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0	-2 -2 -2 -2 -2	0	-5 -7 -5 -5 -5	-5 -7 -5 -5 -5	contings up 2 M2 finit next and controlled recognitions cares subsectifications up 25 miles in Confidence up 25 miles in Considerational Continuation of Intell difference and very difficult continuation of Intell difference and very difficult continuation access. Continues to 25 miles in the Continues and Co
7650 7700 7750 7800	7700 7750 7800 7850	-1	-3	0 0 0 0	0 0 0 0	0 0 0 0	-2 -2	0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	-2 -2 -2 -2 -2	0	-5 -7 -5 -5 -5 -5	-5 -7 -5 -5 -5	Cuttings up to 2% for in rick and construction access towards. Contings up to 2% may in non-destinited proceedings of the construction access towards of the construction access towards of five of afference and very difficult construction access Cuttings up to 18m high in non-destinited geotactionical
7650 7700 7750 7800	7700 7750 7800 7850 7900	-1	-3	0 0 0 0	0	0 0 0	-2 -2	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	-2 -2 -2 -2 -2	0	-5 -7 -5 -5 -5	-5 -7 -5 -5 -5	contings up to \$1.5 min not and controlled reconstruction across toxics. Charlesg up to \$1 min no obsertified geotechnical controlled reconstruction across controll
7650 7700 7750 7800	7700 7750 7800 7850	4 4 4	-3	0 0 0 0	0 0 0 0	0 0 0 0	-2 -2 -2	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0	-2 -2 -2 -2 -2	0 0 0 0 0 0	-5 -7 -5 -5 -5 -5	-5 -7	coffing up to 3% finite met and controlled recognition across tissues controlled recognitions across tissues controlled recognitions across the controlled recognition across controlled recognition across controlled recognitions across controlled re
7650 7700 7750 7800 7850 7900	7700 7750 7800 7850 7900 7950	4 4 4	-3	0 0 0 0	0 0 0 0	0 0 0 0	-2 -2 -2	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	-2 -2 -2 -2 -2	0 0 0 0 0 0	-5 -7 -5 -5 -5 -5	-5 -7	Contings up to \$10 min met and controlled recognition and controlled programs of the controlled progra
7650 7700 7750 7800	7700 7750 7800 7850 7900	4 4 4	-3	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	-2 -2 -2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	-2 -2 -2 -2 -2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-5 -7 -5 -5 -5 -5 -5	.5 .7 .5 .5 .5 .5	Coffing up 12 % thin not and controlled recognition of the Confing up 12 % thin no workering electrolization contribution across contribution across contribution across contribution across the contribution across contribution across Coffings up to 19th high in non-identified goodschocual constraints and mich. Coffings up to 19th high in non-identified goodschocual constraints and mich. Coffings up to 19th high in non-identified goodschocual constraints and mich. Coffings up to 19th high in non-identified goodschocual constraints and consist, constraints for side not consist, constraints and consists and consists constraints and consists
7650 7700 7750 7800 7850 7900	7700 7750 7800 7850 7900 7950	4 4 4	-3	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	-2 -2 -2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	-2 -2 -2 -2 -2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-5 -7 -5 -5 -5 -5 -5	.5 .5 .5 .5 .5 .5	Contings up to \$10 min met and controlled recognition and controlled programs of the controlled progra
7650 7700 7750 7800 7850 7900 7950	7700 7750 7800 7850 7900 7950 8000	4 4 4	-3 -3 -3 -2 -2 -2 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -1 -1 -1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -2 -2	0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -4 -4 -3 -2	.5 .5 .5 .5 .5 .5	contings to 9 M2 min med and controlled recognition across states of controlled recognitions and controlled generalized and controlled recognitions across the controlled recognition across controlled recognitions acro
7650 7700 7750 7800 7850 7900 7950 8000 8050	7700 7750 7800 7850 7900 7950 8000 8050 8100	4 4 4 4 4 4	-3 -3 -3 -2 -2 -2 -2 -4 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -1 -1 -1 0 0	0 0 0 0 0 0 0	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -4 -4 -4 -2 -2	.5 .5 .5 .5 .5 .5 .4 .4 .4	contings to 9 M2 min med and controlled recognition across states of controlled recognitions and controlled generalized and controlled recognitions across the controlled recognition across controlled recognitions acro
7650 7700 7750 7800 7850 7990 7950 8000 8050 8100	7700 7750 7800 7850 7900 7950 8000 8050 8100 8150	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	-3 -3 -3 -2 -2 -2 -2 -1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -1 -1 -1 -0 -0 -0 -0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -4 -4 -2 -2 -2	.5 .5 .5 .5 .5 .5 .4 .4 .3 .2 .2	contings to 9 M2 min med and controlled recognition across states of controlled recognitions and controlled generalized and controlled recognitions across the controlled recognition across controlled recognitions acro
7650 7700 7750 7800 7850 7900 7950 8000 8050 8150 8150	7700 7750 7800 7850 7900 7950 8000 8050 8100 8150 8200	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	-3 -3 -3 -2 -2 -2 -1 0 0 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -1 -1 -1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -4 -5 -4 -2 -2 -2 -2	.5 .7 .5 .5 .5 .5 .5 .4 .4 .2 .2 .2	contings to 9 M2 min med and controlled recognition across states of controlled recognitions and controlled generalized and controlled recognitions across the controlled recognition across controlled recognitions acro
7650 7700 7750 7800 7850 7990 8000 8050 8100 8150 8200	7700 7750 7850 7850 7900 7950 8000 8050 8150 8250	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	-3 -3 -3 -2 -2 -2 -2 -1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -1 -1 -1 -0 -0 -0 -0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -4 -4 -2 -2 -2	.5 .5 .5 .5 .5 .5 .4 .4 .3 .2 .2	contings up to \$15 min me in an controlled postachnical controlled postachnica
7650 7700 7750 7800 7850 7900 7950 8000 8050 8150 8150	7700 7750 7800 7850 7900 7950 8000 8050 8100 8150 8200	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	-3 -3 -3 -2 -2 -2 -1 0 0 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -1 -1 -1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -4 -5 -4 -2 -2 -2 -2	.5 .7 .5 .5 .5 .5 .5 .4 .4 .2 .2 .2	contings up to \$25 min next and controlled recognition of the cont
7650 7700 77750 7800 7850 7900 7950 8000 8000 8150 8150 8250 8250 8300	7700 7750 7780 7850 7850 7950 8000 8050 8100 8150 8200 8250 8300 8350	4 4 4 4 4 4 4 4	-3 -3 -3 -2 -2 -2 -1 0 0 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0	.5 .5 .5 .5 .5 .5 .5 .4 .5 .4 .5 .2 .2 .2	-5 -5 -5 -5 -5 -4 -4 -4 -2 -2 -2 -2 -2 -2	contings to 9.25 finite next and construction across states, considerable protections are stated to construct and role. Continues and of level difference and very difficult continues to 1 files in
7650 7700 7750 7800 7850 7950 8000 8050 8100 8150 8250	7700 7750 7780 7800 7850 7900 7950 8000 8050 8100 8150 8250 8250 8300	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	-3 -3 -3 -2 -2 -2 -1 0 0 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	-2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0	0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0	.5 .5 .5 .5 .5 .5 .5 .4 .4 .5 .2 .2 .2 .2 .2	-5 -5 -5 -5 -5 -4 -4 -4 -2 -2 -2 -2 -2 -3 -3	contings to 9.2% from not and controlled recognition of controlled recognitions are assisted and controlled recognitions are controlled recognitions.
7650 7700 7750 7800 7850 7900 7950 8000 8000 8050 8150 8200 8250 8300	7700 7750 7780 7850 7850 7950 8000 8050 8100 8150 8200 8250 8300 8350	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-3 -3 -3 -2 -2 -2 -1 0 0 -1	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	-2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -2 -2 -2 -2 -3 -3 -3	-5 -5 -5 -5 -5 -5 -4 -4 -2 -2 -2 -2 -3 -3 -3	contings up to \$18 min not and controlled protectional controlled protections are controlled protections and controlled protections are controlled protections.
7650 7700 7750 7800 7850 7900 7950 8000 8000 8050 8150 8250 8250 8350 8350 84400 8450	7700 7750 7800 7850 7800 7950 8000 8050 8150 8150 8200 8250 8300 8350 8400 8450 8450 8550	4 4 4 4 4 4 4 4 4 4	-3 -3 -3 -3 -2 -2 -2 -1 0 0 0 -1 -1 -1 -1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	-2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	contings up to \$18 min not and controlled protectional controlled protections are controlled protections and controlled protections are controlled protections.
7650 7700 7750 7800 7850 7990 8000 8050 8150 8250 8250 8350 8350 8400 8450 8450	7700 7750 7780 7780 7850 7850 8000 8050 8100 8150 8250 8250 8300 8350 8440 8450	4 4 4 4 4 4 4 4 4 4	-3 -3 -3 -3 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -3 -2 -2 -2 -3 -3 -3 -3	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	contings up to 3% finit in not and controlled posterbinary construction across some controlled posterbinary controlled for the controlled posterbinary controlled for the controlled for
7650 7700 7750 7800 7850 7900 7950 8000 8000 8050 8150 8200 8250 8350 8350 8400 8450	7700 7750 7800 7850 7800 7950 8000 8050 8150 8150 8200 8250 8300 8350 8400 8450 8450 8550	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-3 -3 -3 -3 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	-5 -5 -5 -5 -5 -5 -5 -5 -3 -3 -3 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	contings up to \$15 min not and controlled recognition of the contr
7650 7700 7750 7800 7850 7990 8000 8050 8150 8150 8250 8350 8350 8400 8450 8550	7700 7750 7750 7750 7750 77800 7850 7850 7950 8000 8050 8100 8150 8200 8250 8300 8450 8450 8550 8550 8600 8550 8600 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8660 8650 8660	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-3 -3 -3 -3 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	contings up to 3% finite make and constructions across traces, considerable protections of contractions and constructions across the construction across the construction across constructions across
7650 7700 7750 7800 7850 7950 8000 8050 8050 8150 8200 8250 8350 8400 8450 8450 8550 8600	7700 7750 7800 7850 7800 7850 8000 8000	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-3 -3 -3 -3 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	-5 -5 -5 -5 -5 -5 -5 -5 -3 -3 -3 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	contings to 9 kill final most and controlled recognition across tissues, considerating protectional controlled recognition and controlled recognition and controlled recognition across co
7650 7700 7750 7800 7850 7990 8000 8050 8150 8150 8250 8350 8350 8400 8450 8550	7700 7750 7750 7750 7750 77800 7850 7850 7950 8000 8050 8100 8150 8200 8250 8300 8450 8450 8550 8550 8600 8550 8600 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8650 8660 8660 8650 8660	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-3 -3 -3 -3 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	contings up to \$18 min met and controlled recognition controlled recognitions are assisted to controlled recognitions are assisted to controlled recognitions are assisted to the controlled recognition and the controlled recognitions are assisted recognitions. The assisted recognitions are assisted recognitions are assisted recognitions are assisted recognitions. The assisted recognitions are assisted recognitions are assisted recognitions are assisted recognitions. The assisted recognitions are assisted recognitions are assisted recognitions are assisted recognitions. The assisted recognitions are assisted recognitions are assisted recognitions are assisted recognitions. The assisted recognitions are assisted recognitions are assisted recognitions are assisted recognitions. The assisted recognitions are assisted recognitions are assisted recognitions are assisted recognitions. The assisted recognitions are assisted
7650 7700 7750 7800 7850 7800 7850 7900 7950 8000 8000 8050 8150 8200 8250 8300 8350 84400 8450 8500 8550 86600 8650	7700 7750 7800 7850 7800 7950 8000 8050 8150 8150 8200 8250 8350 8400 8450 8550 8550 8600 8650 87700	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-3 -3 -3 -3 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	contings to 9 kill from not and controlled protections of controlled protections and controlled protections are controlled protections and controlled protections are controlled protections.
7650 7700 7750 7800 7850 7990 8000 8050 8150 8200 8250 8350 8400 8450 8550 8600 8650 87700	7700 7750 7750 7750 7750 7750 7750 77800 7850 7850 7950 8000 8050 8100 8150 8250 8250 8330 8450 8550 8550 8550 8700 8750 8850 8750 8860 8750 8860 8750 8860 88750 88600 88750 88600 88750 88600 88750 88600 88750 88600 88750 88600 88750 88600 88750 88800 88750 88800 88750 88800 \$8750 88800 \$8750 88800 \$8750 \$8860 \$8860 \$8	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3 3 3 -2 -2 -2 -4 0 0 0 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -4 -4 -5 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	contings to 9 kill from not and controlled protections of controlled protections and controlled protections are controlled protections and controlled protections are controlled protections.
7650 7700 7750 7800 7850 7800 7850 7900 8000 8000 8050 8150 8250 8250 8300 8450 8450 8550 8660 8650 8700 8750 88800	7700 7750 7800 7850 7800 7850 8000 8050 8100 8150 8200 8250 8300 8400 8450 8500 8550 8700 8750 88800 88800	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3 3 3 -2 -2 -2 -4 0 0 0 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4				-2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -5 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -4 -4 -4 -5 -6 -6 -6 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	contings to 9 kill from not and controlled protections of controlled protections and controlled protections are controlled protections and controlled protections are controlled protections.
7650 7700 7750 7800 7850 7890 7850 7990 7950 8000 8000 8050 8150 8250 8350 8350 8400 8450 8550 8560 8750 8750 88800 8850	7700 7750 7750 7850 7850 7850 7850 7950 7950 8000 8150 8150 8250 8350 8400 8450 8550 8550 8650 8770 8750 8860 8850	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3 3 3 -3 -2 -2 -4 0 0 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4				-2 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	contings up to 3% them not and controlled protections or controlled controlled to the controlled protection and controlled protections access to controlled to the controlled protection access and only of fifting controlled to the controlled protection access to the controlled prote
7650 7700 7750 7800 7850 7800 7850 7900 8000 8000 8050 8150 8250 8250 8300 8450 8450 8550 8660 8650 8700 8750 88800	7700 7750 7800 7850 7800 7850 8000 8050 8100 8150 8200 8250 8300 8400 8450 8500 8550 8700 8750 88800 88800	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3 3 3 3 4 2 2 2 4 0 0 0 1 4 4 4 4 4 4 2 2 3 3 3				-2 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	contings to 9 28 fm in reck and controllation across states, consideration across states, consideration across states, consideration across states, consideration across continued and consideration across controllation controllation across controllation across controllation across controllation across controllation controllation across controllation controllation across controllation across controllation across controllation controllation controllation controllation controllation controllation across controllation controllation across controll
7650 7700 7750 7800 7850 7800 7850 7900 7950 8000 8000 8050 8150 8200 8250 8350 8450 8450 8550 8560 8750 8750 8850 8750 8850	7700 7750 7750 7850 7850 7850 7850 7950 7950 8000 8150 8150 8250 8350 8400 8450 8550 8550 8650 8770 8750 8860 8850	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3 3 3 3 4 2 2 2 4 0 0 0 1 4 4 4 4 4 4 2 2 3 3 3				-2 -2 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	contings up to \$15 min not and controlled protectional controlled

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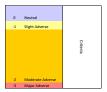
9000	9050	-1	-2	0	0	0	0	0	0	0	0	0	-2	0	-3	-3	combination of level difference and very difficult construction access
9050	9100	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
9100	9150	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
9150	9200	-1	0	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
9200	9250	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
9250	9300	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
9300	9350	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
9350	9400	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	Embankments up to 13m high on non-identified
9400	9450																geotechnical constraints combination of level difference and very difficult
		-1	-1	0	0	0	-1	0	0	0	0	0	-2	0	-3	-3	construction access
9450	9500	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	-4	
9500	9550	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	-4	
9550	9600	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	-4	
9600	9650	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	-4	
9650	9700	-1	-2	0	0	0	-1	0	0	0	0	0	-2	0	-4	-4	
9700 9750	9750 9800	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	
	9850	-1	-1	0	0	0	0	0	0	0	0	0	-2	0	-2	-2	combination of level difference and very difficult
9800 9850	9900	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	construction access
	_	-1	0	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
9900 9950	9950 10000	-1	0	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
10000	10050	-1	-1	0	0	0	0	0	0	0	0	0	- 3	0	-3	-3	
10050	10100	-1	-1				0				0		- 13	0	-3	-3	Cuttings up to 12m high (but greater than 10m) in non- identified ground
				_	0						0			0			combination of level difference and very difficult
10100	10150	-1	-1	0		0	-1	0	0	0		0	-3		-4	-4	construction access
10150	10200	-1	-2	0	0	0		0	0	0	0	0	-3	0	+5		
10200	10250	-1	-2	0	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
10250	10300			0	0	0	0	0	0	0	0	0		0			combination of level difference and very difficult
10300	10350	-1	-1										- 3		-3	-3	construction access
10350	10400	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
10400	10450	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
10450	10500	-1	0	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
10500	10550	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
10550	10600	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
10600	10650	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
10650	10700	-1	0	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
10700	10750	-1	0	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
10750	10800	-1	-1	0	0	0	0	0	0	0	0	0	-3	0	-3	-3	
10800	10850																Cuttings up to 19m high (but greater than 10m) in non- identified ground
		-1	-2	0	0	0	-1	0	0	0	0	0	-3	0	+5	-5	combination of level difference and very difficult construction access
10850	10900	-1	-2	0	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
10900	10950	-1	-2	0	0	0	-1	0	0	0	0	0	-3	0	-5	-5	
10950	11000																Cuttings up to 20m high (but greater than 10m) in non- identified ground
														0			combination of level difference and very difficult construction access
11000	11050	-1	.2	0	0	0	.2	0	0	0	0	0	-3	0	-6	-6	CONTROL SECTION
11050	11100																Cuttings up to 18m high (but greater than 10m) in non- identified ground
																	combination of level difference and very difficult
11100	11150	-1	-2	0	0	0	-1	0	0	0	0	0	-3	0	+5	-5	construction access
11150	11200	-1	-2	0	0	0	-1	0	0	0	0	0	-3	0	+5 +5	-5	
11200	11250	-1	-2	0		0	-1	0	0	0	0	0	-3	0	-5	-5	
11250	11300		-2		0				0			0	-3				
11300	11350	-1	-2	0	0	0	-1	0	0	0	0	0	-3	0	-5	-5	combination of level difference and very difficult
11350	11400		-2	0	0	0	0	0	0	0	0	0	-2	4	-3	-3	construction access
11400	11450	-1	-1	0		0	0		0	0		0	-2	-1		-2	
11450	11500	-1	-1	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
11500	11550	-1	0	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
11550	11600	-1	0	0	0	0	0	0	0	0	0	0	.,	-4	-2	-2	
11600	11650	-1	0	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
11650	11700	-1	-4	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
11700	11750	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
11750	11800	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
11800	11850	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
11850	11900	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
11900	11950	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
11950	12000	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
12000	12050	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
12050 12100	12100 12150	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
12150	12200	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
12200	12250	-1	-1	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
12250	12300	-4	0	0	0	0	0	0	0	0	0	0	-2	4	-2	-2	
12300	12350	-1	-1	0	0	0	0	-1	0	0	0	0	-2	-1	-2	-3	structure for side road crossing
12350	12400	-1	-4	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
12400	12450	-1	-1	0	0	0	0	0	0	0	0	0	-2	4	-2	-2	
12450	12500																Fisherford Reservoir (1991) located within this alignment. Noted within Scottish Water GIS as operational with a
		-1	-1	0	0	0	0	0	0	0	0	-2	-2	-1	-4	-6	volume of 0.032ML. Construction access issues also.
12500 12550	12550 12600	-1	-1	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
12600	12650	-1	0	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
12650	12700	-1	-1	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
12700	12750	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
12750	12800	-1	-4	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
12800	12850	-1	-1	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
12850	12900	-1	-1	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
12900	12950	-1	-1	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
12950	13000	-1	0	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
13000	13050	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
13050	13100	-1	-1	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
13100	13150	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
13150	13200	-1	-1	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
	13250	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
13200		-1	0	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
13200 13250	13300			0	0	0	0	0	0	0	0	0	-4	-2	-2	-2	
13200 13250 13300	13300 13350	-1	0				0	0	0	0	0	0	-4	-2	-2	-2	
13200 13250 13300 13350	13300 13350 13400	-1	0	0	0	0											
13200 13250 13300 13350 13400	13300 13350 13400 13450	-1 -1 -1	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	-2	
13200 13250 13300 13350 13400 13450	13300 13350 13400 13450 13500	-1 -1 -1	0	0 0	0	0	0	0	0	0	0	0	-1	-2	-2	-2	
13200 13250 13300 13350 13400 13450 13500	13300 13350 13400 13450 13500 13550	4 4 4	0	0 0	0	0 0	0	0	0	0	0	0	4	-2 -2	-2 -2	-2	
13200 13250 13300 13350 13400 13450 13500	13300 13350 13400 13450 13500 13550 13600	4 4 4 4 4	0	0 0 0 0	0 0	0 0 0	0	0	0	0	0	0	4 4	-2 -2 -2	-2 -2 -2	-2 -2 -2	
13200 13250 13300 13350 13400 13450 13500 13550	13300 13350 13400 13450 13500 13550 13600 13650	4 4 4 4 4 4	0	0 0 0 0 0 0	0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	4 4 4	-2 -2 -2 -2	-2 -2 -2 -3	-2 -2 -2 -3	Private Water supply - adjacent to 8992 crossing
13200 13250 13300 13350 13400 13450 13500 13550 13600 13650	13300 13350 13400 13450 13500 13550 13600 13650 13700	4 4 4 4 4 4	0 0 0 0 0 -1 -1 -1	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 -1 0	4 4 4 4	-2 -2 -2 -2 -2	-2 -2 -2 -3	-2 -2 -2 -3 -2	Private Water supply - adjacent to 8992 crossing
13200 13250 13300 13350 13400 13450 13500 13500 13650 13650	13300 13350 13400 13450 13500 13550 13600 13650 13700 13750	4 4 4 4 4 4 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 -1 0 0	4 4 4 4 4	-2 -2 -2 -2	-2 -2 -2 -3 -2 -2	-2 -2 -2 -3 -2 -2	Private Water supply - adjacent to 8992 crossing
13200 13250 13300 13350 13400 13450 13500 13550 13600 13650	13300 13350 13400 13450 13500 13550 13600 13650 13700 13750	4 4 4 4 4 4 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 -1 0 0 0	4 4 4 4 4 4	-2 -2 -2 -2 -2 -2 -2	-2 -2 -2 -3 -2 -2 -2	-2 -2 -2 -3 -2 -2 -2	Private Water supply - adjacent to 8992 crossing
13200 13250 13300 13300 13350 13400 13450 13500 13600 13650 13700 13750 13800	13300 13350 13400 13450 13500 13550 13600 13600 13700 13750 13800 13850	4 4 4 4 4 4 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 -1 0 0	4 4 4 4 4	-2 -2 -2 -2 -2	-2 -2 -3 -3 -2 -2 -2 -2	-2 -2 -2 -3 -2 -2	Private Water supply - adjacent to 8992 crossing
13200 13250 13300 13350 13400 13450 13500 13550 13600 13650 13700 13750	13300 13350 13400 13450 13500 13550 13600 13650 13700 13750	4 4 4 4 4 4 4 4	0 0 0 0 -1 -1 -1 -1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -1 0 0	4 4 4 4 4 4 4	-2 -2 -2 -2 -2 -2 -2 -2 -4	-2 -2 -2 -2 -2 -2 -2 -2	2 2 2 2 2 2 2 2 2	Private Water supply - adjacent to 8952 crossing
13200 13250 13300 13350 13400 13450 13500 13550 13650 13700 13750 13800 13850	13300 13350 13400 13450 13500 13550 13600 13650 13700 13750 13800 13850 13800	4 4 4 4 4 4 4 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 -1 0 0	4 4 4 4 4 4 4	2 2 2 2 2 2 2 4 4 4	-2 -2 -3 -3 -2 -2 -2 -2	2 2 2 3 2 2 2 2 2 2 2	Private Water supply - adjacent to 8992 cressing
13200 13250 13350 13360 13450 13450 13500 13550 13600 13550 13600 137700 137750 13780 13850 138900 13850 13950 14000	13300 13350 13400 13450 13500 13550 13500 13650 13700 13700 13700 13850 13800 13850 13900 13950 14000 14050	4 4 4 4 4 4 4 4 4	0 0 0 0 -1 -1 -1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -1 0 0 0 0	4 4 4 4 4 4 4	2 2 2 2 2 2 2 2 4 4 4	-2 -2 -2 -2 -2 -2 -2 -2	2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Private Water supply - adjacent to 8992 crossing
13200 13250 13350 13390 13350 13450 13450 13550 13550 13550 13700 13550 13750 13880 13880 13880 13990	13300 13350 13400 13450 13500 13550 13600 13650 13750 13750 13800 13850 13900 13950 14000	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0 0 0 -1 -1 -1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -1 0 0 0 0 0	4 4 4 4 4 4 4	2 2 2 2 2 2 2 2 4 4 4 4	-2 -2 -2 -2 -2 -2 -2 -2 -2 -2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Power Water supply - adjacent to 8992 cressing

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14150	14200	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14200	14250	.1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14250	14300	-1	0	0	0	0	0	0	0	0	0	0		4	-2	-2	
14300	14350																
14350	14400	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
		-1	0	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
14400	14450	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14450	14500	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14500	14550	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14550	14600	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14600	14650	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14650	14700	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14700	14750	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14750	14800	-1	0	0	0	0	0	0	0	0	0	0	.2	4	-2	-2	
14800	14850																
14850	14900	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
		-1	-1	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14900	14950	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
14950	15000	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
15000	15050	-1	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-2	
15050	15100	-1	0	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
15100	15150	-1	0	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
15150	15200	-1	0	0	0	0	0	0	0	0	0	0	-2	-4	-2	-2	
15200	15250	.1	,4	0	0	0	0	0	0	0	0	0		4	-2	.2	
15250	15300	-1	-1	0			0	0	0	0	0	0			-2	-12	Structure over the Black Burn - 200m on potentially
13230	13300																compressible ground combination of level difference and difficult construction
		-1	-1	0	0	0	-1	-2	0	0	0	0	-2	-1	-5	-6	access and some local disrupton
15300	15350	-1	-1	0	0	0	-1	-2	0	0	0	0	-2	-1	-5	-6	
15350	15400	-1	-1	0	0	0	-1	-2	0	0	0	0	-2	-1	-5	-6	
15400	15450	-1	-1	0	0	0	-1	-2	0	0	0	0	-2	-1	-5	-6	
15450	15500	-1	-1	0	0	0	0	.2	0	0	0	0	.2	-1	-4	-6	
15500	15550	-1	-1	0	0	0	0	0	0	0	0	0	.2	-4	.2	.2	
15550	15600	-1		0	0	0	0	0	0	0	0	0		-4	-1	-1	
15600	15650		-1										-1		-1		
15650	15700	-1	-1	0	0	0	0	0	0	0	0	0	-4	-1		-1	
	15750	-1	-1	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	
15700		-1	-1	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	
15750	15800	-1	-1	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	
15800	15850	-1	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	
15850	15900	-1	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	
15900	15950	-1	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	
15950	16000	-1	0	0	0	0	0	0	0	0	0	0	-4	-1	-1	-4	
16000	16050	-1	-1	0	0	0	0	0	0	0	0	0	-4	-1	- 4	- 4	
16050	16100	-1	-1	0	0	0	0	0	0	0	0	0	-4	-1	-1	-4	
16100	16150		-														
16150	16200	-1	-1	0	0	0	0	0	0	0	0	0	-4	-4	-1	-1	
16200	16250	-1	-1	0	0	0	0	0	0	0	0	0	-4	-1	-1	-1	
		-1	-1	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	
16250	16300	-1	-1	0	0	0	0	0	0	0	0	0	-4	-4	-1	-1	
16300	16350	-1	-1	0	0	0	0	0	0	0	0	0	-1	-1	-1	-4	
16350	16400	-1	-1	0	0	0	0	0	0	0	0	0	-4	-1	-1	-4	
16400	16450	-1	-1	0	0	0	0	0	0	0	0	0	-1	-4	-1	-1	
16450	16500	-1	-1	0	0	0	0	0	0	0	0	0	-4	-1	-1	-1	
16500	16550	-1	-1	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	
16550	16600	-1	-1	0	0	0	0	0	0	0	0	0	-4	-4	-1	-4	
16600	16650	-1	-1	0	0	0	0	0	0	0	0	0	4	-4	-4	4	
16650	16700	-1	-1	0	0	0	0	0	0	0	0	0	-4	-4	-1	-4	
16700	16750		-1														
16750	16800	-1	-1	0	0	0	0	0	0	0	0	0	-1	-4	-1	-1	
		-1	-1	0	0	0	0	0	0	0	0	0	-4	-4	-1	-1	
16800	16850	-1	-1	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	
16850	16900	-1	-1	0	0	0	0	0	0	0	0	0	-4	-1	-1	-1	
16900	16950	-1	-1	0	0	0	0	0	0	0	0	0	-1	-4	-1	-1	
16950	17000	-1	-1	0	0	0	0	0	0	0	0	0	-4	-1	-1	-1	
	17050	-1	-1	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	
17000								0	0	0		0	-4	-4	-2	-2	
17000 17050	17100	-1	-1	0	0	0	0				-1						
	17100 17150	-1	-1	0	0	0	0	0		0	-1	0	-1	-1	-2	-	
17050		-1	-1	0	0	0	0	0		0	-1	0	- 4	- 4	-2		



D+02-001



Rules Total Score

Iotal score

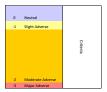
= Alignment Score (Average of E, F, G, H and
I) + Geo Score + Structures Score + Flooding
Score (Average of L, M and N) + Utilities
score + Constructability Score (Minimum
value of P&Q) = Total of 6 scores for 6
categories

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

Chainage				Alignment			Geotechnics	Structures		Flooding and Drainage		Utilities	Constructionity	Oscitation in the second secon	20016	Score	
Start Chainage	End Chainage	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Total	Adjusted	Comments
0	50	-1	-3	0	-1	-3	-2	0	0	0	-1	0	-3	0	-7	-7	Deep cuttings through rock (19-30m). Moor area - difficult construction access
50	100	-1	-3	0	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	Deep cuttings through rock (19-30m). Moor area - difficult construction access Deep cuttings through rock (19-30m). Moor area - difficult
100 150	150 200	-1	-3	0	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	construction access Deep cuttings through rock (19-30m). Moor area - difficult
200	250	-1	-3	0	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	Deep cuttings through rock (19-30m). Moor area - difficult construction access
250	300	-1	-2	0	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	Cuttings greater than 10m through rock. Moor area - difficult access Cuttings greater than 10m through rock. Moor area -
300 350	350 400	-1	-2	0	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	difficult access Cuttings greater than 10m through rock. Moor area -
400	450	-1	-2	0	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	difficult access Cuttings greater than 10m through rock. Moor area - difficult access
450	500	-1	-2	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes
500	550	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access.
550 600	600 650	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access.
650	700	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes
700	750	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes
750	800	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access.
800 850	900	-1	-1	0	-1	-3	0	-1	0	0	0	0	-3	0	-5	-5	Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access.
900	950	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes
950	1000	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes
1000	1050	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access.
1050 1100	1100 1150	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access.
1150	1200	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes
1200	1250	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes
1250	1300	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access.
1300 1350	1350 1400	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access.
1400	1450	-1	0	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Overall high earthworks volumes Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes
1450	1500	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes
1500	1550	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Minor / neutral earthworks. Difficult construction access. Overall high earthworks volumes Cuttings greater than 10m through rock. Difficult access.
1550 1600	1600 1650	-1	-2	0	-1	-3	-1	0	0	0	0	0	-3	0	-5	-5	Overall high earthworks volumes Cuttings greater than 10m through rock.Difficult access.
1650	1700	-1	-2	0	-1	-3	-1	0	0	0	0	0	-3	0	-5 -5	-5	Overall high earthworks volumes Cuttings greater than 10m through rock.Difficult access. Overall high earthworks volumes
1700	1750	-1	-1	0	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Cuttings greater than 10m through rock.Difficult access. Overall high earthworks volumes
1750 1800	1800 1850	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
1850	1900	-1	0	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
1900	1950	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
1950	2000	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
2000 2050	2050 2100	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
2100	2150	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
2150	2200	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
2200	2250	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
2250 2300	2300 2350	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
2350	2400	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
2400	2450	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
2450	2500	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
2500 2550	2550 2600	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
2600	2650	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
2650	2700	-1	0	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
2700 2750	2750 2800	-1	0	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
2800	2800	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
2850	2900	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
2900	2950	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
2950 3000	3000 3050	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
3050	3100	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
3100	3150	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
3150	3200	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
3200	3250	-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access

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3250	3300																Earthworks under 10m. Overall high earthworks volumes.
		-1	-1	0	-1	-3	0	0	0	0	0	0	-2	0	-3	-3	Moderate adverse construction access Earthworks under 10m. Overall high earthworks volumes.
3300	3350	-1	-1	0	-1	-3	0		0	0	0	0	-2	n	-3	-3	Earthworks under 10m. Overall high earthworks volumes. Moderate adverse construction access
	0.00	-1	-1	U	-1	'3	0	0	0	0	0	U	12	U	'3	*3	New bridge over river urie and flood plain. Total length
3350	3400																450m. Score adjusted to reflect geotechnical engineering to
		-1	-1	0	-1	-3	0	-3	0	0	0	0	-2	0	-6	-9	support structure
3400	3450																New bridge over river urie and flood plain. Total length
3400	3430																450m. Score adjusted to reflect geotechnical engineering to
		-1	-1	0	-1	-3	0	-3	0	0	0	0	-2	0	-6	-9	support structure
3450	3500																New bridge over river urie and flood plain. Total length
		-1	-2	0	-1	-3	-1	-3	0	0	0	0	-2	0	-7	-9	450m New bridge over river urie and flood plain. Total length
3500	3550						-2						-2	n		_	450m
		-1	-2	0	-1	-3	-2	-3	0	0	0	0	-2	0	-8	-9	New bridge over river urie and flood plain. Total length
3550	3600	-1	-2	0	-1	-3	-2	-3	0	0	0	0	-2	0	-8	-9	450m
	0.000		_	Ŭ		,		,	Ů	·	Ü	Ü		Ü	-0		New bridge over river urie and flood plain. Total length
3600	3650	-1	-3	0	-1	-3	-3	-3	0	0	-2	0	-2	0	-10	-10	450m
3650	3700																New bridge over river urie and flood plain. Total length
3030	3700	-1	-3	0	-1	-3	-3	-3	0	0	0	0	-2	0	-10	-10	450m
3700	3750																New bridge over river urie and flood plain. Total length
3700		-1	-3	0	-1	-3	-2	-3	0	0	0	0	-2	0	-9	-9	450m
3750	3800																New bridge over river urie and flood plain. Total length
3,30	3000														_		450m. Score adjusted to reflect geotechnical engineering to
		-1	-2	0	-1	-3	0	-3	0	0	0	0	0	-1	-5	-9	support structure New bridge over river urie and flood plain. Total length
3800	3850																450m. Score adjusted to reflect geotechnical engineering to
		-1	-1	0	-1	-3	0	-3	0	0	0	0	0	-1	-5	-9	support structure
				Ů		,	-	,		-	-			-	~	-7	Minor disruption to users at tie in point. Considered viable
3850	3900	-1	0	0	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	to manage connection works without excessive disruption
3900	3950																Minor disruption to users at tie in point. Considered viable
3900	3930																to manage connection without excessive disruption. Traffic
		-1	0	0	-1	-3	0	0	0	0	0	-1	0	-1	-3	-3	scotland assets present
3950	4000																Minor disruption to users at tie in point. Considered viable
3330	4000	-1	0	0	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	to manage connection without excessive disruption
4000	4050																Minor disruption to users at tie in point. Considered viable
		-1	0	0	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	to manage connection without excessive disruption
4050	4100																



Rules Total Score

Iotal 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

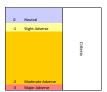
Then if total < or equal to -9 then should be coloured red because this represents possibility of 3 reds or 4 ambers If total is between -6 and -8 should be coloured amber since this could represent 2

Start Chainage	End Chainage	Aligr		Alignment			Geotechnics	Structures		Flooding and Drainage		Utilities	כטווינא	<u> </u>	SCOLE		
	age	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Total	Adjusted	Comments
	50	0	-1	-2	0	-3	-3	0	0	0	-1	0	-3	0	-8	-8	Cutting through peat up to 7m deep. Difficult construction access Cutting through peat up to 7m deep. Difficult construction
	100 150	0	-1	-2	0	-3	-3	0	0	0	0	0	-3	0	-7	-7	access Cutting through peat up to 7m deep. Difficult construction
	200	0	-1	-2	0	-3	-3	0	0	0	0	0	-3	0	-7	-7	access Cuttings and embankments through / upon rock. Alignment subject to high earthworks volumes. Difficult
200	250	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	construction access Cuttings and embankments through / upon rock. Alignment subject to high earthworks volumes. Difficult
250	300	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	construction access Cuttings and embankments through / upon rock. Alignment subject to high earthworks volumes. Difficult
300	350	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	construction access Cuttings and embankments through / upon rock. Alignment subject to high earthworks volumes. Difficult
350	400	0	-1	-2	0	-3	0	-1	0	0	0	0	-3	0	-5	-5	construction access Cuttings and embankments through / upon rock. Alignment subject to high earthworks volumes. Difficult
400	450	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	construction access Cuttings and embankments through / upon rock. Alignment subject to high earthworks volumes. Difficult
450	500	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	construction access Cuttings and embankments through / upon rock.
500	550	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Alignment subject to high earthworks volumes. Difficult construction access Cuttlings and embankments through / upon rock.
	600	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Alignment subject to high earthworks volumes. Difficult construction access Cuttings and embankments through / upon rock.
	650	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Alignment subject to high earthworks volumes. Difficult construction access Cuttings and embankments through / upon rock.
		0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Alignment subject to high earthworks volumes. Difficult construction access Cuttings and embankments through / upon rock.
	700	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Alignment subject to high earthworks volumes. Difficult construction access
	750	0	0	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Cuttings and embankments through / upon rock. Alignment subject to high earthworks volumes. Difficult construction access Cuttings and embankments through / upon rock.
	800	0	0	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Alignment subject to high earthworks volumes. Difficult construction access
	850	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Cuttings and embankments through / upon rock. Alignment subject to high earthworks volumes. Difficult construction access
850	900	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Cuttings and embankments through / upon rock. Alignment subject to high earthworks volumes. Difficult construction access
	950 1000	0	-1	-2	0	-3	-1	0	0	0	0	0	-3	0	-5	-5	Embankment up to 17m upon rock. Difficult access. High earthworks volumes Embankment up to 17m upon rock. Difficult access. High
	1050	0	-2 -2	-2 -2	0	-3	-1	0	0	0	0	0	-3	0	-5 -5	-S	earthworks volumes Embankment up to 17m upon rock. Difficult access. High earthworks volumes
	1100	0	-2	-2	0	-3	-2	0	0	0	0	0	-3	0	-6	-6	Embankment up to 19m upon rock. Difficult access. High earthworks volumes Embankment up to 17m upon rock. Difficult access. High
	1150 1200	0	-2	-2	0	-3	-1	0	0	0	0	0	-3	0	-5	-5	earthworks volumes Embankment up to 17m upon rock. Difficult access. High earthworks volumes
	1250	0	-2	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access High earthworks volumes
	1300 1350	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access.High earthworks volumes Low Cuttings / embankments upon rock / unknown
	1400	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	ground. Difficult access.High earthworks volumes Low Cuttings / embankments upon rock / unknown ground. Difficult access.High earthworks volumes
	1450 1500	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access.High earthworks volumes Cuttings 10-15m through rock. Difficult access. High
	1550	0	-1	-2 -2	0	-3	-1	0	0	0	0	0	-3	0	-5 -5	-S	earthworks volumes Cuttings 10-15m through rock. Difficult access. High earthworks volumes
	1600	0	-2	-2	0	-3	-1	0	0	0	0	0	-3	0	-5	-5	Cuttings 10-15m through rock. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown
	1650 1700	0	-2	-2	0	-3	0	0	0	0	0	0	-3	0	-4 -4	-4	ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes
	1750	0	4	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes
	1800 1850	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4 -4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown
1850	1900	0	-1	-2	0	-3	0	0	0	0	0	0	-3 -3	0	-4	-4	ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes
	1950 2000	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown
	2050	0	0	-2	0	-3	0	0	0	0	0	0	-3 -3	0	-4 -4	-4 -4	ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes
	2100	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown
	2150 2200	0	-1 0	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes
2200	2250	0	0	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	ground. Limicult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown
	2300 2350	0	0	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown
2350	2400	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4 -4	-4 -4	ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes
	2450 2500	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown
	2550	0	-1	-2 -2	0	-3	0	0	0	0	0	0	-3 -3	0	-4 -4	-4	ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes
	2600	0	-1	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown
	2650 2700	0	0	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes
2700	2750	0	0	-2	0	-3	0	0	0	0	0	0	-3	0	-4 -4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes
	2800 2850	0	0	-2	0	-3	0	0	0	0	0	0	-3	0	-4	-4	Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes Low Cuttings / embankments upon rock / unknown ground. Difficult access. High earthworks volumes

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															_		
2850	2900																New bridge over river urie and flood plain. Total length 650m. Score adjusted to reflect geotechnical engineering
		0	-1	-2	0	-3	0	-3	0	0	0	0	-3	0	-7	-9	for structure
2900	2950																New bridge over river urie and flood plain. Total length
2500	2330			-2											.0		650m. Score adjusted to reflect geotechnical engineering for structure
		0	-1	-2	0	-3	-1	-3	0	0	0	0	-3	0	-8	-9	New bridge over river urie and flood plain. Total length
2950	3000	0	-2	-2	0	-3	-2	-3	0	0	0	0	-3	0	-9	-9	650m
3000	3050						_		-	-	-						New bridge over river urie and flood plain. Total length
3000	3030	0	-2	-2	0	-3	-2	-3	0	0	0	0	-3	0	-9	-9	650m
3050	3100																New bridge over river urie and flood plain. Total length
		0	-3	-2	0	-3	-3	-3	0	0	0	0	-3	0	-11	-11	650m New bridge over river urie and flood plain. Total length
3100	3150	0	-3	-2	0	-3	-3	-3	0	0	0	0	-3	0	-11	-11	650m
3150	3200																New bridge over river urie and flood plain. Total length
3130	3200	0	-3	-2	0	-3	-3	-3	0	0	0	0	-3	0	-11	-11	650m
3200	3250	0	-3	-2	0	-3	-3	-3	0	0	0	0	-3	0	-11	-11	New bridge over river urie and flood plain. Total length 650m
		0	-3	-2	U	-3	-3	-3	U	U	U	U	-3	U	-11	-11	New bridge over river urie and flood plain. Total length
3250	3300	0	-3	-2	0	-3	-3	-3	0	0	0	0	0	-1	-9	-9	650m
3300	3350																New bridge over river urie and flood plain. Total length
		0	-3	-2	0	-3	-3	-3	0	0	0	0	0	-1	-9	-9	650m
3350	3400																New bridge over river urie and flood plain. Total length 650m. Score adjusted to reflect geotechnical engineering
		0	-3	-2	0	-3	-2	-3	0	0	0	0	0	-1	-8	-9	for structure
3400	3450		-						-	-	-						New bridge over river urie and flood plain. Total length
3400	3430																650m. Score adjusted to reflect geotechnical engineering
		0	-2	-2	0	-3	-1	-3	0	0	0	0	0	-1	-6	-9	for structure
3450	3500																New bridge over river urie and flood plain. Total length 650m. Score adjusted to reflect geotechnical engineering
		0	-2	-2	0	-3	0	-3	0	0	0	0	0	-1	-5	-9	for structure
3500	3550		-	-	ŭ	-3	Ü	~	Ü	-	-	Ü		-	-	~	New bridge over river urie and flood plain. Total length
3300	3330																650m. Score adjusted to reflect geotechnical engineering
		0	-1	-2	0	-3	0	-3	0	0	0	0	0	-1	-5	-9	for structure
3550	3600	0	0	-2	0	-3	0	0	0	0	0	0	0	-1	-2	-2	Tie in with A96
3600	3650									_				_			New bridge over river urie and flood plain. Total length
3000	3030	-1	-3	0	-1	-3	-3	-3	0	0	-2	0	-2	0	-10	-10	450m
3650	3700	-1	-3	0	-1	-3	-3	-3	0	0	0	0	-2	0	-10	-10	New bridge over river urie and flood plain. Total length 450m
		-1	-3	U	-1	-3	-3	-3	U	U	U	U	-2	U	-10	-10	New bridge over river urie and flood plain. Total length
3700	3750	-1	-3	0	-1	-3	-2	-3	0	0	0	0	-2	0	-9	-9	450m
3750	3800																New bridge over river urie and flood plain. Total length
3730	3000																450m. Score adjusted to reflect geotechnical engineering to
		-1	-2	0	-1	-3	0	-3	0	0	0	0	0	-1	-5	-9	support structure New bridge over river urie and flood plain. Total length
3800	3850																450m. Score adjusted to reflect geotechnical engineering to
		-1	-1	0	-1	-3	0	-3	0	0	0	0	0	-1	-5	-9	support structure
3850	3900																Minor disruption to users at tie in point. Considered viable
		-1	0	0	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	to manage connection works without excessive disruption
3900	3950																Minor disruption to users at tie in point. Considered viable to manage connection without excessive disruption. Traffic
		-1	0	0	-1	-3	0	0	0	0	0	-1	0	-1	-3	-3	scotland assets present
3950	4000		-							_			_				Minor disruption to users at tie in point. Considered viable
3930	4000	-1	0	0	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	to manage connection without excessive disruption
4000	4050	-1	0	0	-1	-3	0	0	0	0	0	0	0	-1	-2	-2	Minor disruption to users at tie in point. Considered viable
		-1	U	U	-1	-3	U	U	U	U	U	U	U	-1	-2	*Z	to manage connection without excessive disruption Cuttings up to 12.2m high in rock
4050	4100																combination of level difference, hilliness, bendiness and
																	earthworks/m
																	Difficult construction access
4100	4150																Cuttings up to 30.2m high in rock combination of level difference, hilliness, bendiness and
																	combination of level difference, hilliness, bendiness and earthworks/m
																	Difficult construction access
4150	4200																
130																	
4200	4250																

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Rules Total Score

Iotal score

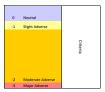
= Alignment Score (Average of E, F, G, H and
I) + Geo Score + Structures Score + Flooding
Score (Average of L, M and N) + Utilities
score + Constructability Score (Minimum
value of P&Q) = Total of 6 scores for 6
categories

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

Chainage		Alignment		Alignment			Geotechnics	Structures		Flooding and Drainage		Utilities	Constructedunty	Constructshility	Score	Score	
Start Chainage	End Chainage	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Total	Adjusted	Comments
0 50	50 100	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
100	150	0	-1	-2 -2	-2 -2	0	0	0	0	0	0	0	-2 -2	-2	-3 -3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
150	200	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
200 250	250 300	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
300	350	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
350	400	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
400 450	450 500	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
500	550	0	0	-2 -2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
550	600	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
600 650	650 700	0	-1	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
700	750	0	-1	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
750	800	0	-1	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
800	900	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
900	950	0	-1	-2	-2	0	0	-1	0	0	0	0	-2	-2	-3	-3	Moderate access New underbridge over Mill Burn and local road, length 100m. Moderate access
950	1000	0	-1	-2	-2	0	-1	-1	0	0	0	0	-2	-2	-5	-5	New underbridge over Mill Burn and local road, length 100m. Moderate access
1000	1050	0	-2	-2	-2	0	0	-1	0	0	0	0	-2	-2	-4	-4	New underbridge over Mill Burn and local road, length 100m. Moderate access New underbridge over Mill Burn and local road, length
1050 1100	1100 1150	0	-1	-2	-2	0	0	-1	0	0	0	0	-2	-2	-4	-4	New underbridge over Mill Burn and local road, length 100m. Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
1150	1200	0	-1	-2 -2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
1200	1250	0	-1	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
1250 1300	1300 1350	0	-1	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate access Cuttings up to 14m through unknown ground. Moderate
1350	1400	0	-1	-2	-2	0	-1	0	0	0	0	0	-2	-2	-4	-4	access Cuttings up to 14m through unknown ground. Moderate access
1400	1450	0	-2	-2	-2	0	-1	0	0	0	0	0	-2	-2	-4	-4	Cuttings up to 14m through unknown ground. Moderate access
1450 1500	1500	0	-2	-2	-2	0	-1	0	0	0	0	0	-2	-2	-4	-4	Cuttings up to 14m through unknown ground. Moderate access Cuttings up to 14m through unknown ground. Moderate
1550	1550 1600	0	-2	-2	-2	0	-1	0	0	0	0	0	-2	-2	-4	-4	access Cuttings up to 14m through unknown ground. Moderate
1600	1650	0	-2	-2	-2	0	-1	0	0	0	0	0	-2	-2	-4	-4	access Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
1650	1700	0	-1	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
1700 1750	1750 1800	0	-1	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
1800	1850	0	0	-2 -2	-2	0	0	0	0	0	0	0	-2	-2	-3 -3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
1850	1900	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
1900 1950	1950 2000	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access Moderate Hilliness Bendiness. Low earthworks volumes.
2000	2050	0	0	-2	-2	0	0	0	0	0	0	0	-2	-2	-3 -3	-3	Moderate access Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
2050	2100	0	-1	-2	-2	0	0	0	0	0	0	0	-2	-2	-3	-3	Moderate Hilliness Bendiness. Low earthworks volumes. Moderate access
2100	2150																New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 800m. Score adjusted to reflect geotechnical works associated with
2150	2200	0	-1	-2	-2	0	0	-3	0	0	0	0	-2	-2	-6	-9	structure. New bridge/viaduct over watercourses, river urie, flood
		0	-1	-2	-2	0	0	-3	0	0	0	0	-2	-2	-6	-9	plain and local farm roads. Total length 800m. Score adjusted to reflect geotechnical works associated with structure.
2200	2250																New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 800m. Score adjusted to reflect geotechnical works associated with
2250	2300	0	-1	-2	-2	0	0	-3	0	0	0	0	-2	-2	-6	-9	structure. New bridge/viaduct over watercourses, river urie, flood
2230	2500	0	-1	-2	-2	0	0	-3	0	0	0	0	-2	-2	-6	-9	plain and local farm roads. Total length 800m. Score adjusted to reflect geotechnical works associated with structure.
2300	2350													-			New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 800m. Score
2350	2400	0	-1	-2	-2	0	0	-3	0	0	0	0	-2	-2	-6	-9	adjusted to reflect geotechnical works associated with structure. New bridge/viaduct over watercourses, river urie, flood
2550	2400	0	-1	-2	-2	0	0	-3	0	0	0	0	-2	a	-6	-9	plain and local farm roads. Total length 800m. Score adjusted to reflect geotechnical works associated with structure.
2400	2450		1	-	-			•			,	J		- 4		-	New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 800m. Score
2450	2500	0	-2	-2	-2	0	-1	-3	0	0	0	0	-2	-2	-7	-9	adjusted to reflect geotechnical works associated with structure. New bridge/viaduct over watercourses, river urie, flood
∠45U	∠500																plain and local farm roads. Total length 800m. Score adjusted to reflect geotechnical works associated with
2500	2550	0	-2	-2	-2	0	-1	-3	0	0	0	0	-2	-2	-7	.9	structure. New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 800m. Score adjusted to reflect geotechnical works associated with structure.
2550	2600	0	1	-	-	,		•			,	J		- 4		-	New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 800m. Score
2600	2650	0	-1	-2	-2	0	0	-3	0	0	0	0	-2	-2	-6	-9	adjusted to reflect geotechnical works associated with structure. New bridge/viaduct over watercourses, river urie, flood
		0	-1	-2	-2	0	-1	-3	0	0	0	0	-2	-2	-7	-9	plain and local farm roads. Total length 800m. Score adjusted to reflect geotechnical works associated with structure.

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																	New bridge/viaduct over watercourses, river urie, flood
2650	2700																plain and local farm roads. Total length 800m. Score
																	adjusted to reflect geotechnical works associated with
		0	-2	-2	-2	0	-1	-3	0	0	0	0	-2	-2	-7	-9	structure.
2700	2750																New bridge/viaduct over watercourses, river urie, flood
2700	2730																plain and local farm roads. Total length 800m. Score
																	adjusted to reflect geotechnical works associated with
		0	-2	-2	-2	0	-2	-3	0	0	0	0	-2	-2	-8	-9	structure.
2750	2800																New bridge/viaduct over watercourses, river urie, flood
																	plain and local farm roads. Total length 800m. Score
			-2	-2	-2	0	-2		0	0	0	0	-2	-2		-9	adjusted to reflect geotechnical works associated with structure.
		0	-2	*Z	2	U	-2	-3	U	U	U	U	-2	-2	-8	-9	New bridge/viaduct over watercourses, river urie, flood
2800	2850																plain and local farm roads. Total length 800m. Score
																	adjusted to reflect geotechnical works associated with
		0	-2	-2	-2	0	-2	-3	0	0	0	0	0	-2	-8	-9	structure.
2050	2000				_				_	-	_	_			_		New bridge/viaduct over watercourses, river urie, flood
2850	2900																plain and local farm roads. Total length 800m. Score
																	adjusted to reflect geotechnical works associated with
		0	-2	-2	-2	0	0	-3	0	0	0	0	0	-2	-6	-9	structure.
2900	2950																New bridge/viaduct over watercourses, river urie, flood
2300	2330																plain and local farm roads. Total length 800m. Score
																	adjusted to reflect geotechnical works associated with
		0	-1	-2	-2	0	0	-3	0	0	0	0	0	-2	-6	-9	structure.
2950	3000																Earthworks < 10m to tie in with A96. Moderate disruption
		0	0	-2	-2	0	0	0	0	0	0	0	0	-2	-3	-3	to existing road users Earthworks <10m to tie in with A96. Moderate disruption
3000	3050	0	0	-2	-2	0	0		0	0		0	0	-2	-3	-3	to existing road users
		0	U	*Z		U	U	U	U	U	U	U	0	-2	-3	-3	Earthworks <10m to tie in with A96. Moderate disruption
3050	3100	0	0	-2	-2	0	0		0	0	0	0	0	-2	-3	-3	to existing road users
	0.00	0	Ŭ		_		-	-	-	-		-		-	~	-	Earthworks <10m to tie in with A96. Moderate disruption
3100	3150	0	-1	-2	-2	0	0	0	0	0	0	0	0	-2	-3	-3	to existing road users
3150	3200																Earthworks <10m to tie in with A96. Moderate disruption
3120	3200	0	-1	-2	-2	0	0	0	0	0	0	0	0	-2	-3	-3	to existing road users
3200	3250																Earthworks <10m to tie in with A96. Moderate disruption
3200	3230	0	0	-2	-2	0	0	0	0	0	0	0	0	-2	-3	-3	to existing road users
3250	3300																
3300	3350																



Rules Total Score

Iotal 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

Chainage				Alignment			Geotechnics	Structures		Flooding and Drainage		Utilities	constructeduity	Operty	Score	Social	
Start Chainage	End Chainage	Alignment Length	Level Difference	Bendiness	Hilliness	Earthworks	Geotechnics	Structures	Flood Plain	Watercourse Crossings	Attenuation requirement	Utilities	Construction access	Temp disruption	Total	Adjusted	Comments
0	50	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Difficult construction access. Route wide high earthworks volume
50	100	0	0	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	Difficult construction access. Route wide high earthworks volume Difficult construction access. Route wide high earthworks
100	150	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	volume
150 200	200 250	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	Cuttings 10-17m thorugh rock. Difficult access
250	300	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6 -6	-6	Cuttings 10-17m thorugh rock. Difficult access Cuttings 10-17m thorugh rock. Difficult access
300	350	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	Cuttings 10-17m thorugh rock. Difficult access
350	400	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	Cuttings 10-17m thorugh rock. Difficult access
400 450	450 500	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	Cuttings 10-17m thorugh rock. Difficult access
500	550	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	Cuttings 10-17m thorugh rock. Difficult access Cuttings 20-23m through rock. Difficult access
550	600	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	Cuttings 20-23m through rock.Difficult access
600	650	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	Cuttings 20-23m through rock.Difficult access
650 700	700 750	0	-3	-2	-1	-3	-2	0	0	0	0	0	-3	0	-7	-7	Cuttings 20-23m through rock.Difficult access
750	800	0	-3	-2	-1	-3	-2 -2	0	0	0	0	0	-3	0	-7 -7	-7	Cuttings 20-23m through rock.Difficult access Cuttings 20-23m through rock.Difficult access
800	850	0	-3	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	Cuttings 10-17m through rock
850	900	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	Cuttings 10-17m through rock
900	950	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	Cuttings 10-17m through rock
950 1000	1000 1050	0	-2	-2	-1	-3	-1	0	0	0	0	0	-3	0	-6	-6	Cuttings 10-17m through rock At grade or low earthworks. Difficult access. High
1050	1100	0	-2	-2	-1	-3	0	0	0	0	0	0	-3	0	-5	-5	earthworks volumes At grade or low earthworks. Difficult access. High
1100	1150	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks volumes At grade or low earthworks. Difficult access. High earthworks volumes
1150	1200	0	0	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	At grade or low earthworks. Difficult access. High earthworks volumes
1200	1250	0	0	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	At grade or low earthworks. Difficult access. High earthworks volumes
1250	1300	0	0	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	At grade or low earthworks. Difficult access. High earthworks volumes
1300	1350	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	At grade or low earthworks. Difficult access. High earthworks volumes At grade or low earthworks. Difficult access. High
1350	1400	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks volumes At grade or low earthworks. Difficult access. High
1400 1450	1450 1500	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks volumes At grade or low earthworks. Difficult access. High
1500	1550	0	-1	-2	-1	-3	0	0	0	0	0	0	-3	0	-4	-4	earthworks volumes New bridge/viaduct over watercourses, river urie, flood
		0	-1	-2	-1	-3	0	-3	0	0	0	0	-2	0	-6	-9	plain and local farm roads. Total length 1000m. Appraisal adjusted to reflect geotechnical works to support structure New bridge/viaduct over watercourses, river urie, flood
1550 1600	1600 1650	0	-1	-2	-1	-3	-1	-3	0	0	0	0	-2	0	-7	-9	year unige/valuict over watercourses, river unie, ilioo plain and local farm roads. Total length 1000m. Appraisal adjusted to reflect geotechnical works to support structure New bridge/viaduct over watercourses, river unie, flood
1000		0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	0	-8	-9	plain and local farm roads. Total length 1000m. Appraisal adjusted to reflect geotechnical works to support structure New bridge/viaduct over watercourses, river urie, flood
1650	1700	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	0	-8	-9	New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 1000m. Appraisal adjusted to reflect geotechnical works to support structure. New bridge/viaduct over watercourses, river urie, flood
1700 1750	1750 1800	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	0	-8	-9	plain and local farm roads. Total length 1000m. Appraisal adjusted to reflect geotechnical works to support structure New bridge/viaduct over watercourses, river urie, flood
1800	1850	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	0	-8	-9	plain and local farm roads. Total length 1000m. Appraisal adjusted to reflect geotechnical works to support structure New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 1000m. Appraisal
1850	1900	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	0	-8	-9	adjusted to reflect geotechnical works to support structure New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 1000m. Appraisal
1900	1950	0	-2	-2	-1	-3	-1	-3	0	0	0	0	-2	0	-8	-9	adjusted to reflect geotechnical works to support structure New bridge/viaduct over watercourses, river urie, flood
1950	2000	0	-2	-2	-1	-3	-2	-3	n	0	n	0	-2	0	.g	.9	plain and local farm roads. Total length 1000m New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 1000m
2000	2050	0	-3	-2	-1	-3	-2	-3	0	0	0	0	-2	0	-9	-9	New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 1000m
2050	2100	0	-3	-2	-1	-3	-2	-3	0	0	0	0	-2	0	-9	-9	New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 1000m
2100	2150	0	-3	-2	-1	-3	-2	-3	0	0	0	0	-2	0	-9	-9	New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 1000m New bridge/viaduct over watercourses, river urie, flood
2150	2200	0	-3	-2	-1	-3	-2	-3	0	0	0	0	-2	0	-9	-9	plain and local farm roads. Total length 1000m New bridge/viaduct over watercourses, river urie, flood
2200 2250	2250 2300	0	-3	-2	-1	-3	-2	-3	0	0	0	0	-2	0	-9	-9	plain and local farm roads. Total length 1000m New bridge/viaduct over watercourses, river urie, flood
2300	2350	0	-3	-2	-1	-3	-3	-3	0	0	0	0	-2	0	-10	-10	plain and local farm roads. Total length 1000m New bridge/viaduct over watercourses, river urie, flood
2350	2400	0	-3	-2	-1	-3	-3 -2	-3	0	0	0	0	0	-2	-10 -9	-10 -9	plain and local farm roads. Total length 1000m New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 1000m
2400	2450	0	-2	-2	-1	-3	-1	-3	0	0	0	0	0	-2	-8	-9	New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 1000m. Appraisal adjusted to reflect geotechnical works to support structure
2450	2500	0	-2	-2	-1	-3	-1	-3	0	0	0	0	0	-2	-8	-9	New bridge/viaduct over watercourses, river urie, flood plain and local farm roads. Total length 1000m. Appraisal adjusted to reflect geotechnical works to support structure. New bridge/viaduct over watercourses, river urie, flood
2500	2550	0	-1	-2	-1	-3	0	-3	0	0	0	0	0	-2	-6	-9	plain and local farm roads. Total length 1000m. Appraisal adjusted to reflect geotechnical works to support structure
2550	2600	0	-1	-2	-1	-3	0	0	0	0	0	0	0	-2	-3	-3	Earthworks to tie into existing A96. Disruption to existing road users of local road. High earthworks volumes route wide
2600 2650	2650 2700	0	0	-2	-1	-3	0	0	0	0	0	0	0	-2	-3	-3	Earthworks to tie into existing A96. Disruption to existing road users of local road. High earthworks volumes route wide Earthworks to tie into existing A96. Disruption to existing
		0	-1	-2	-1	-3	0	0	0	0	0	0	0	-2	-3	-3	road users of local road. High earthworks volumes route wide
2700	2750	0	0	-2	-1	-3	0	0	0	0	0	0	0	-2	-3	-3	Earthworks to tie into existing A96. Disruption to existing road users of local road. High earthworks volumes route wide Earthworks to tie into existing A96. Disruption to existing
2750	2800	0	0	-2	-1	-3	0	0	0	0	0	0	0	-2	-3	-3	Earthworks to tie into existing A96. Disruption to existing road users of local road. High earthworks volumes route wide
2800	2850																
2850	2900																