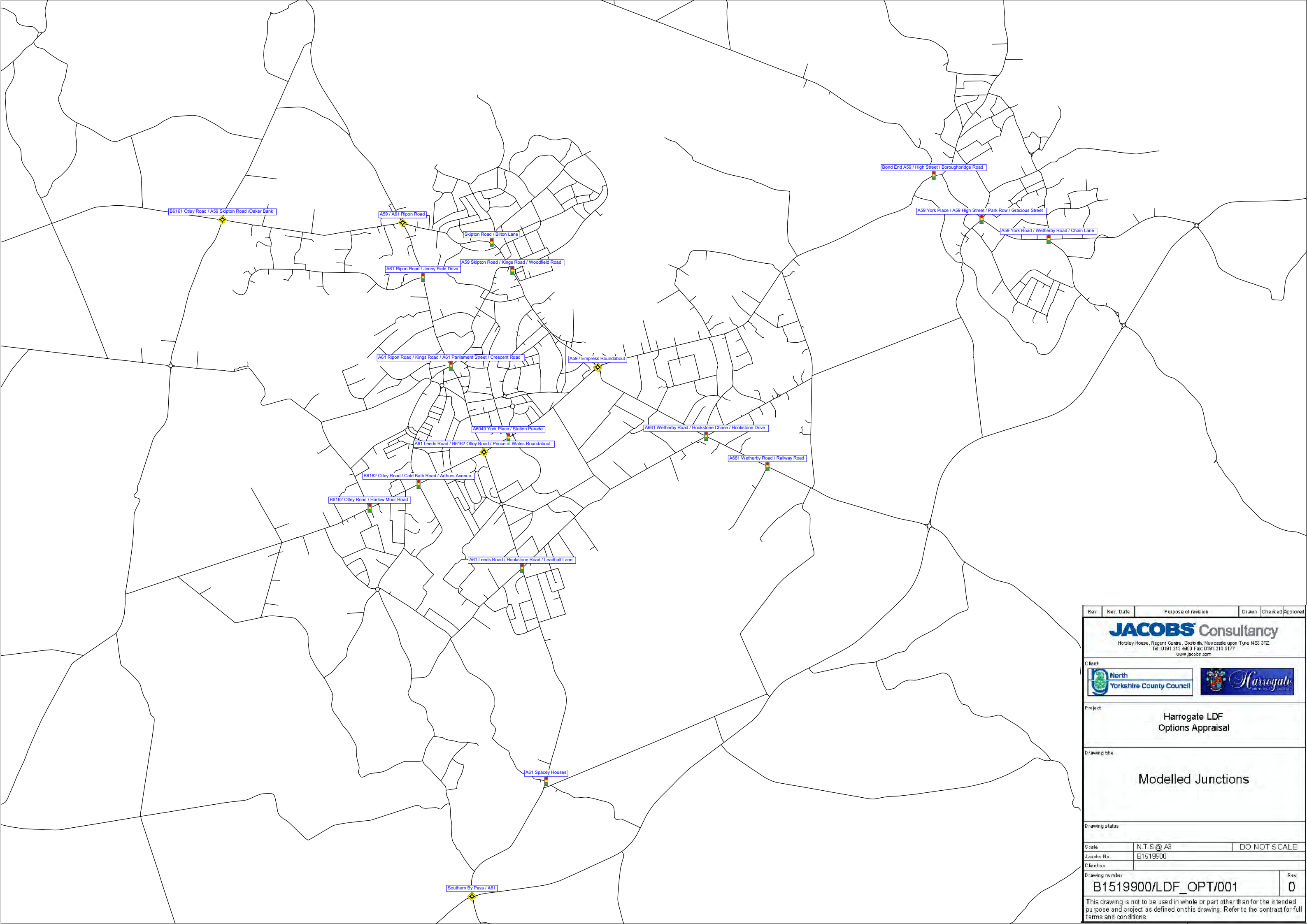

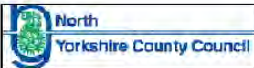



APPENDIX C JUNCTION ANALYSIS

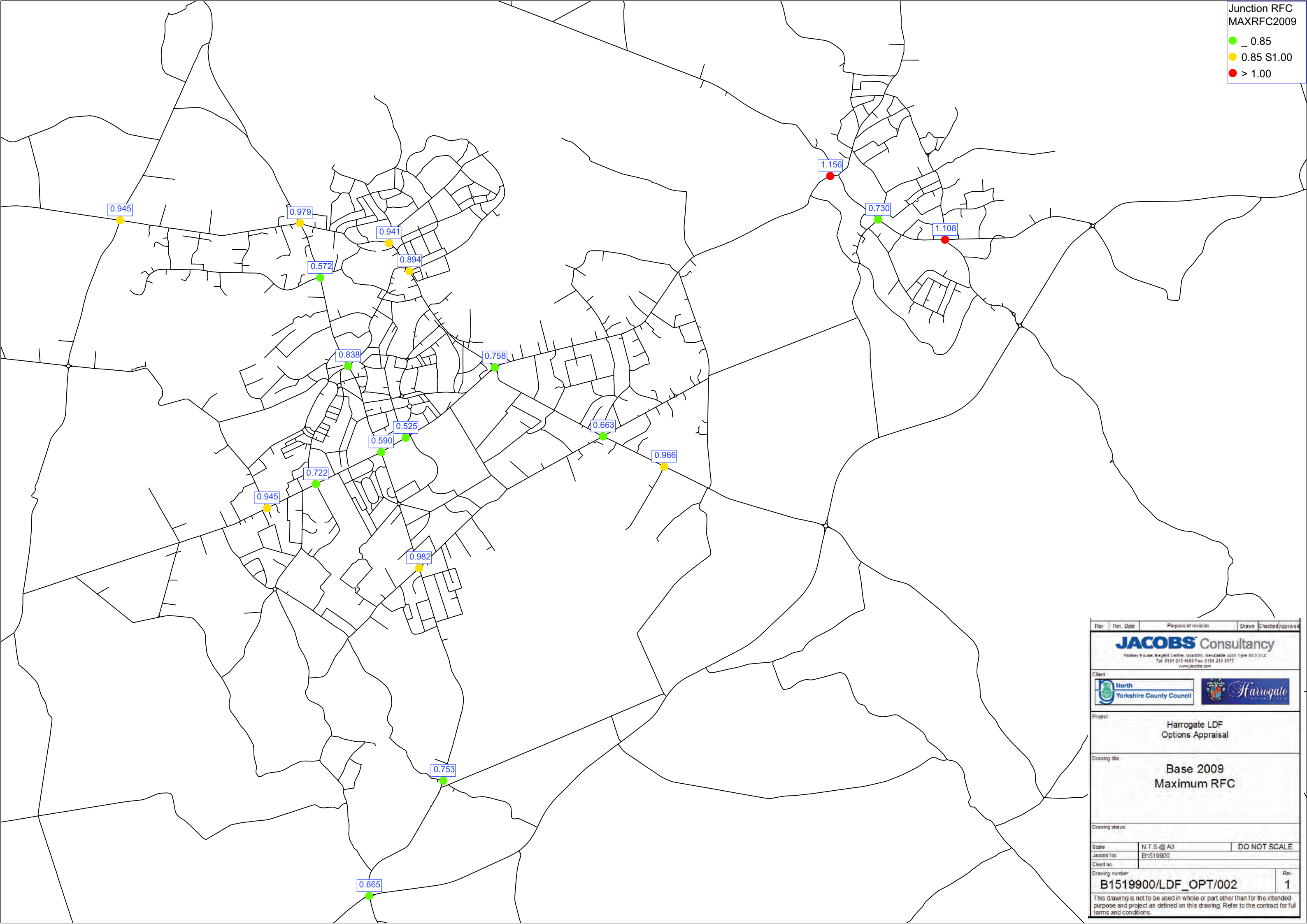
DRAFT



Rev.	Rev. Date	Purpose of revision	Drawn	Checked	Approved
 Hersley House, Regent Centre, Gosforth, Newcastle upon Tyne NE3 3TZ Tel: 0191 213 4900 Fax: 0191 213 5177 www.jacobs.com					
Client					
					
Project					
Harrogate LDF Options Appraisal					
Drawing title					
Modelled Junctions					
Drawing status					
Scale					
N.T.S @ A3		DO NOT SCALE			
Jacobs No.					
B1519900					
Client no.					
Drawing number					
B1519900/LDF_OPT/001					Rev.
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This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.					

Junction RFC
MAXRFC2009

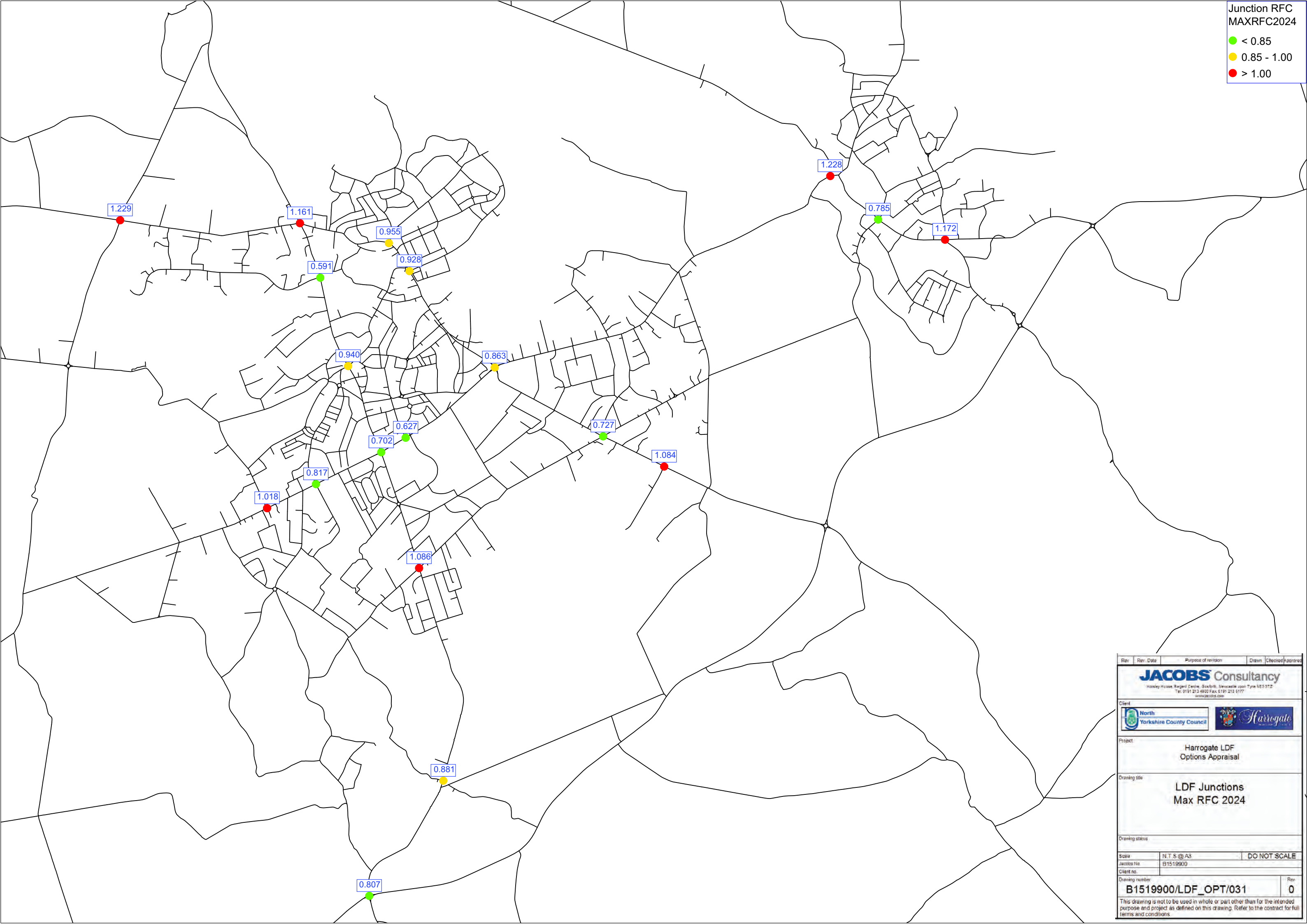
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- 0.85 S1.00
- > 1.00



Rev	Rev. Date	Purpose of revision	Drawn	Checked/Approved
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Client				
Project				
Harrogate LDF Options Appraisal				
Drawing title				
Base 2009 Maximum RFC				
Drawing status				
Scale	N.T.S @ A3		DO NOT SCALE	
Jacobs No	B1519900			
Client no				
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This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.				

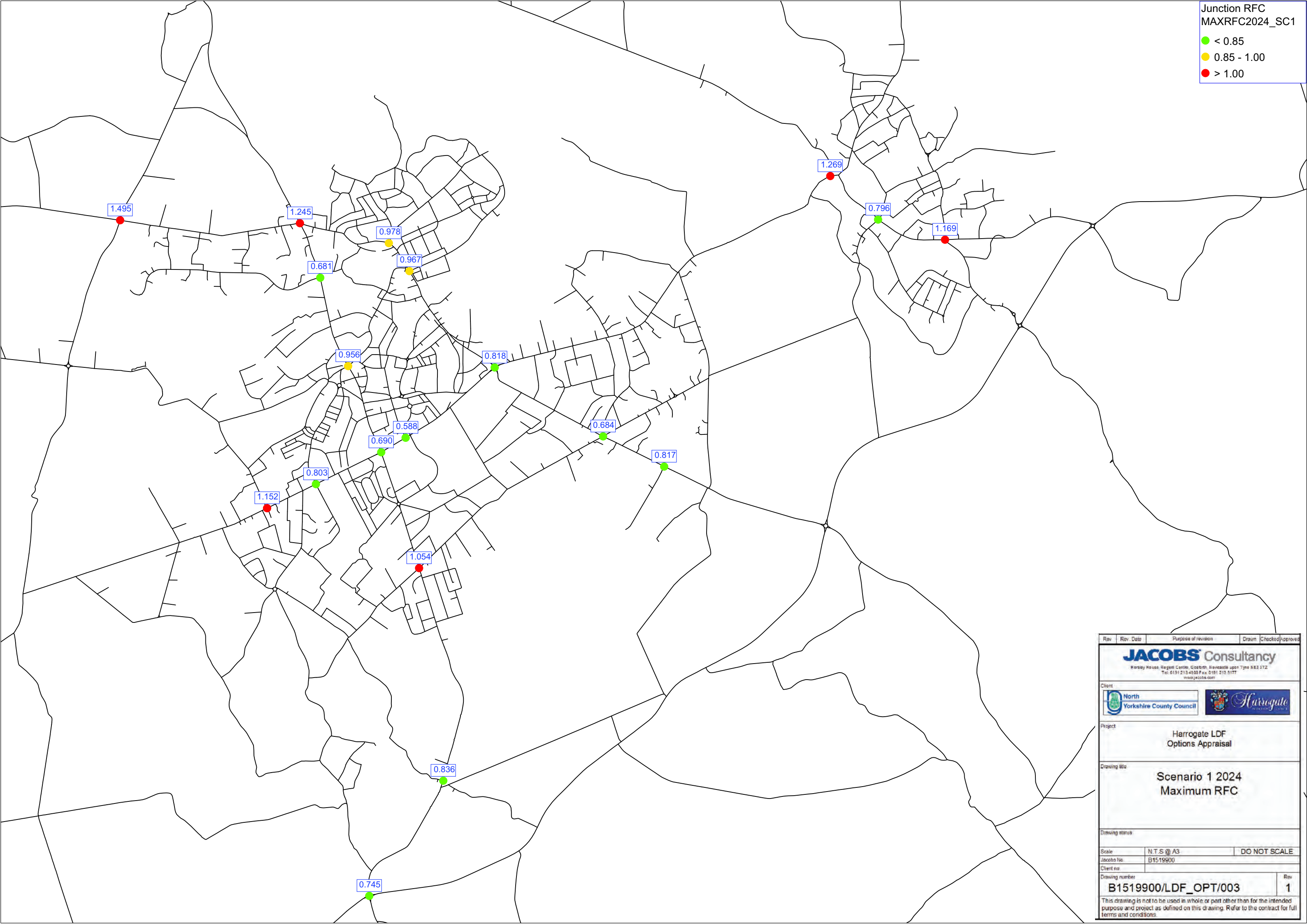
Junction RFC
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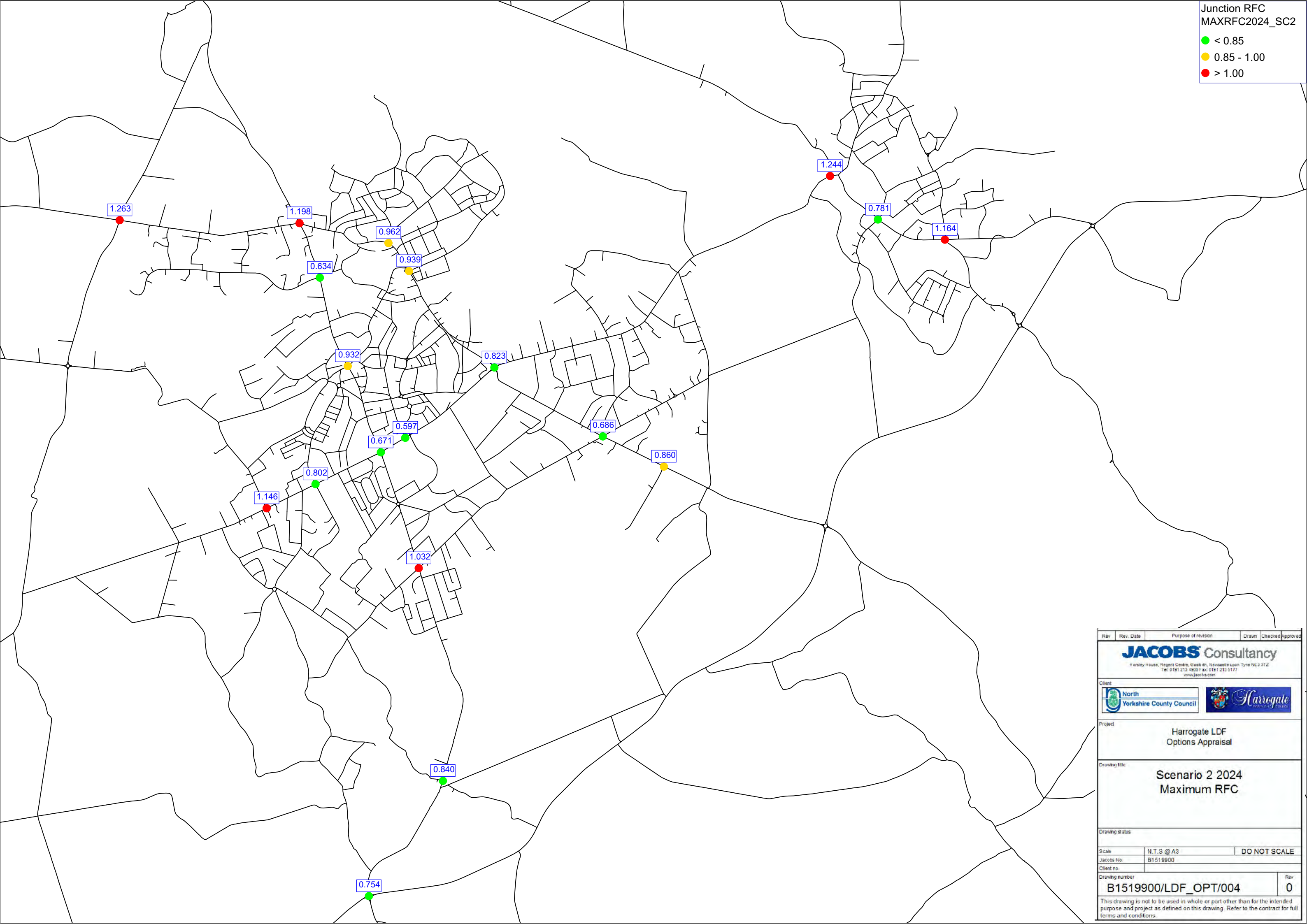
Rev	Rev. Date	Purpose of revision	Drawn	Checked/Approved
<p>horsley House, Regent Centre, Seakings, Newcastle upon Tyne NE5 3TZ Tel: 0191 213 4800 Fax: 0191 213 5177 www.jacobs.com</p>				
Client				
Project				
Harrogate LDF Options Appraisal				
Drawing title				
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Drawing status				
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Client no.				
Drawing number	B1519900/LDF_OPT/031			Rev
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This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.				

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- > 1.00



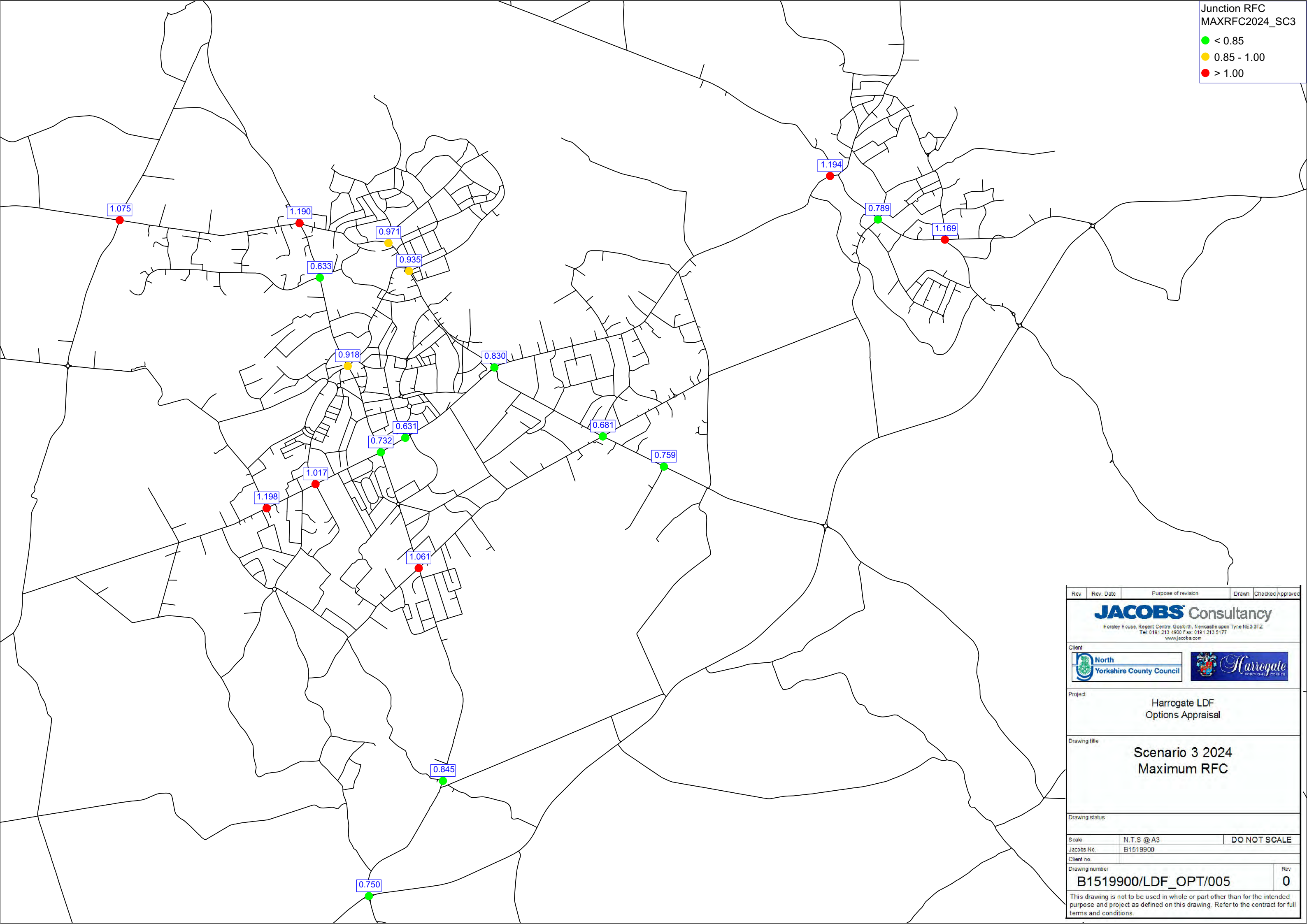
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved
<p>Harrogate House, Regent Centre, Goaththorpe, Harrogate, North Yorkshire HG3 3TJ Tel: 0151 213 4000 Fax: 0151 213 5177 www.jacobs.com</p>					
Client					
Project					
Harrogate LDF Options Appraisal					
Drawing title					
Scenario 1 2024 Maximum RFC					
Drawing status					
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Client no.					
Drawing number					
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This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.					

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- > 1.00



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 <small>Horley House, Regent Centre, Gosforth, Newcastle upon Tyne NE3 3TZ Tel: 0191 213 4900 Fax: 0191 213 5177 www.jacobs.com</small>					
Client					
					
Project					
Harrogate LDF Options Appraisal					
Drawing title					
Scenario 2 2024 Maximum RFC					
Drawing status					
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<small>This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.</small>					

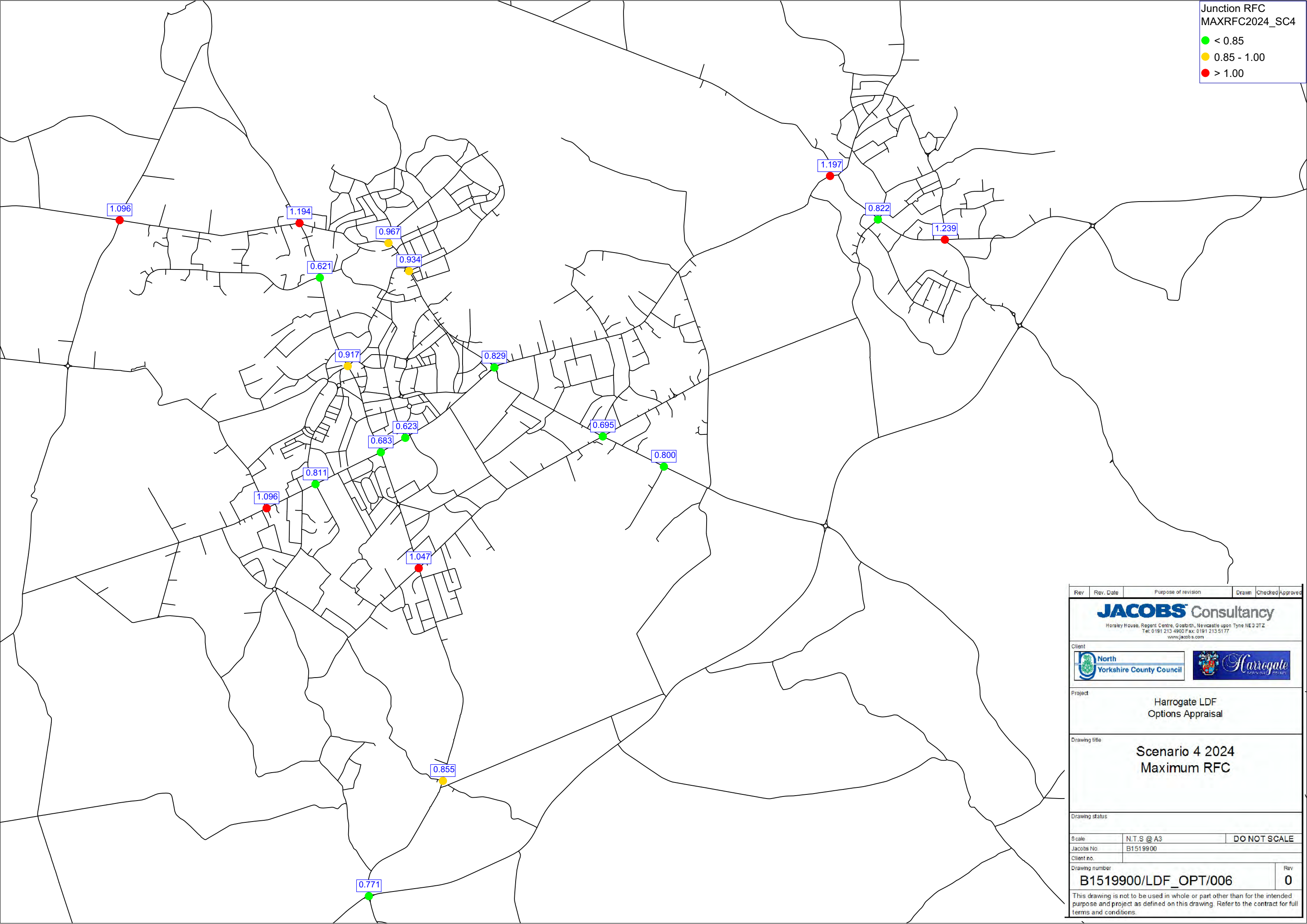
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- > 1.00



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved
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Client					
Project					
Harrogate LDF Options Appraisal					
Drawing title					
Scenario 3 2024 Maximum RFC					
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This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.					

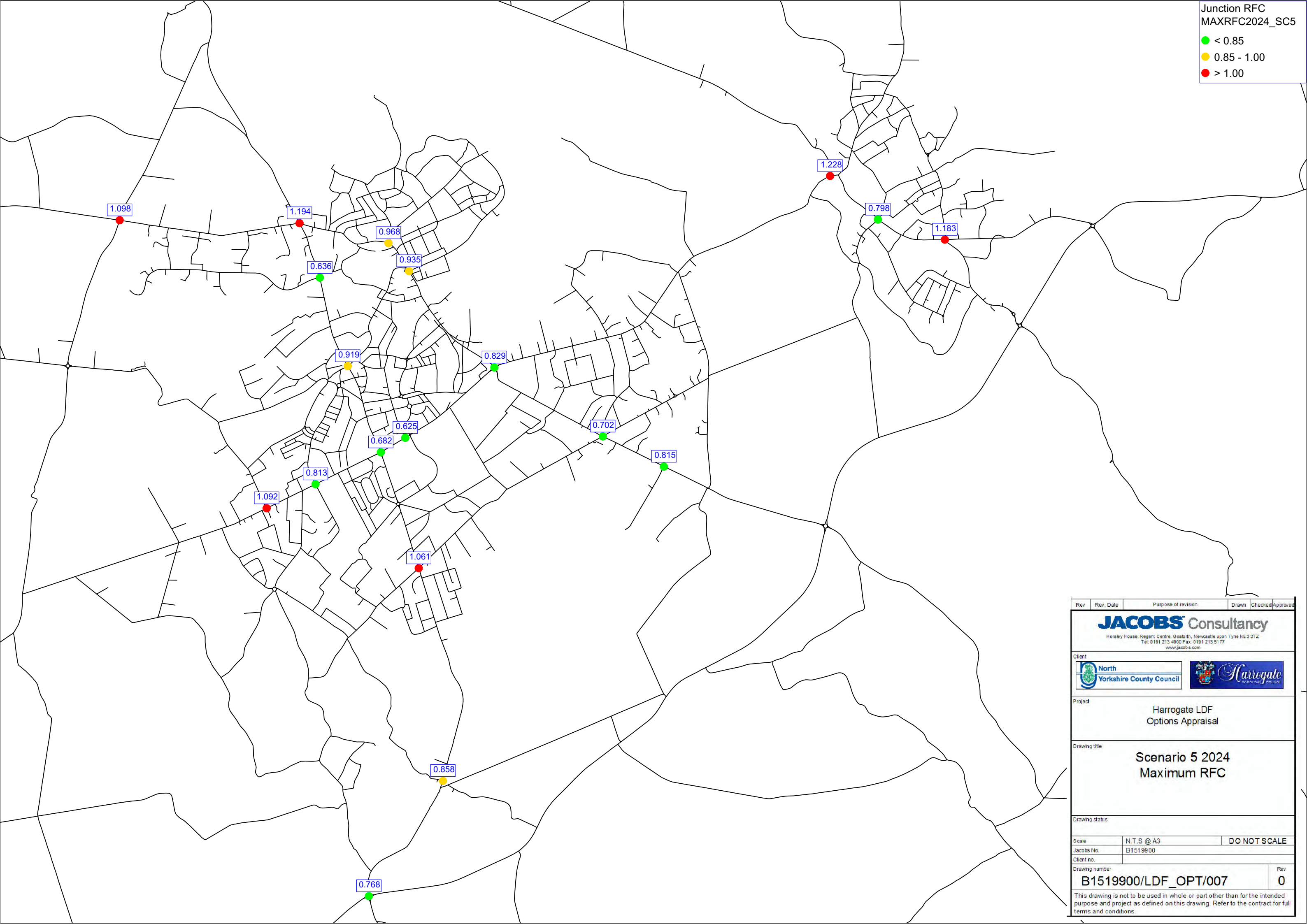
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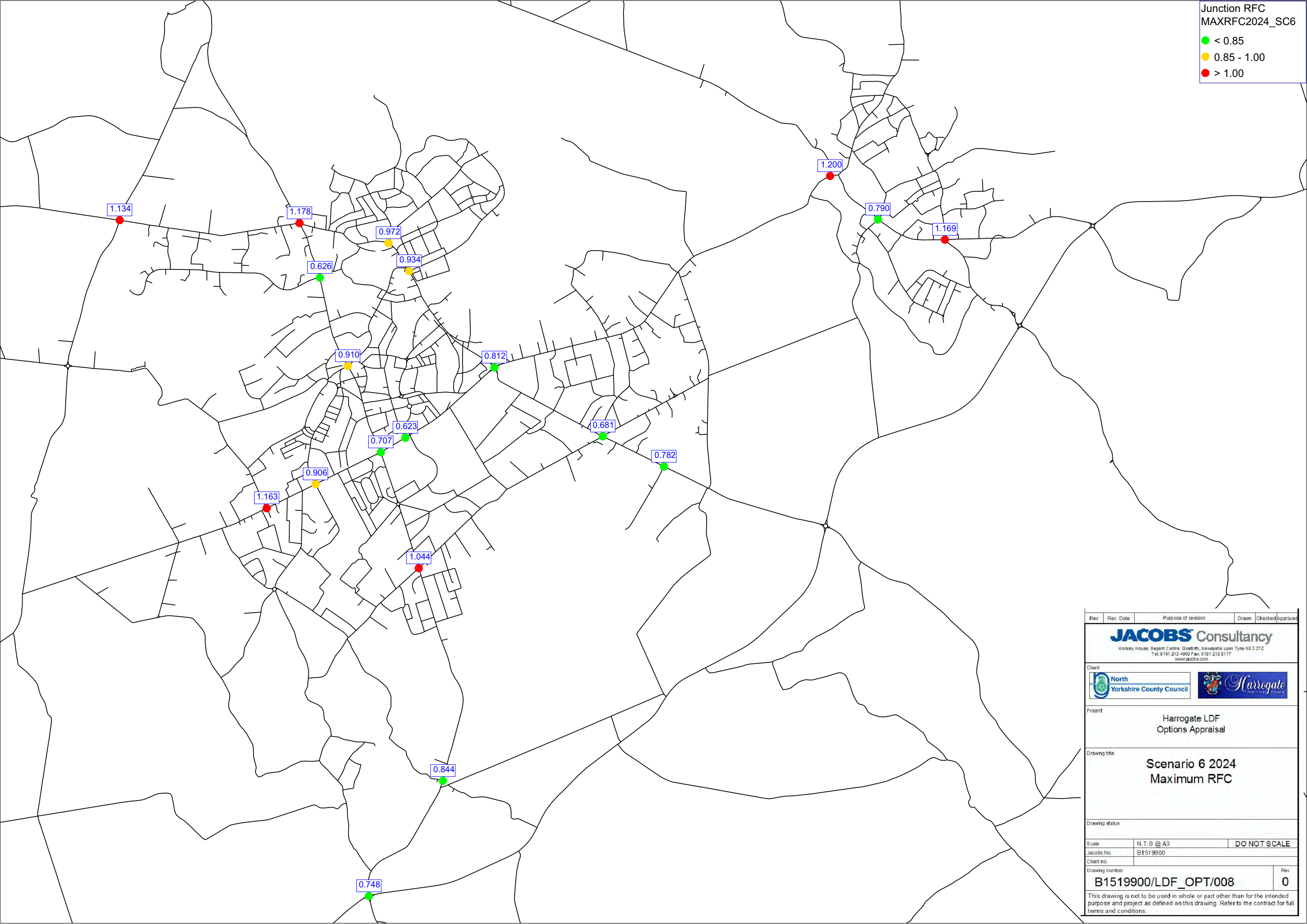
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved
 Horsley House, Regent Centre, Gosforth, Newcastle upon Tyne NE3 3TZ Tel: 0191 213 4800 Fax: 0191 213 5177 www.jacobs.com					
Client					
					
Project					
Harrogate LDF Options Appraisal					
Drawing title					
Scenario 4 2024 Maximum RFC					
Drawing status					
Scale		N.T.S @ A3		DO NOT SCALE	
Jacobs No.		B1519900			
Client no.					
Drawing number					Rev
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This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.					




- < 0.85
- 0.85 - 1.00
- > 1.00



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved
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Client					
Project					
Harrogate LDF Options Appraisal					
Drawing title					
Scenario 5 2024 Maximum RFC					
Drawing status					
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Jacobs No.			B1519900		
Client no.					
Drawing number					Rev
B1519900/LDF_OPT/007					0
This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.					

- < 0.85
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- > 1.00



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved
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Client					
					
Project					
Harrogate LDF Options Appraisal					
Drawing title					
Scenario 6 2024 Maximum RFC					
Drawing status					
Scale					
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Client no.					
Drawing number					
B1519900/LDF_OPT/008					Rev
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This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.					

Junction Analysis 2009 Base

Junction	Software	Max RFC	Arm
A6040 York Place / Station Parade	Linsig	0.525	York Place Ahead
A61 Ripon Road / Jenny Field Drive	Linsig	0.572	Ripon Road A61 (N) Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	0.73	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	0.722	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	0.941	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	0.838	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	0.753	Leeds Road Ahead
A661 Wetherby Road / Railway Road	Linsig	0.966	A661 Wetherby Road Right
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	0.894	Skipton Road S/B Ahead Left
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	0.982	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	1.156	Bond End A59 E/B Right Left
B6162 Otley Road / Harlow Moor Road	Linsig	0.945	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	0.663	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	1.108	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	0.59	Leeds Road A61
Southern By Pass / A61	Arcady	0.665	Swindon Lane (S) A61
A59 / Empress Roundabout	Arcady	0.758	Knaresborough Road A59 (NE)
A59 / A61 Ripon Road	Arcady	0.979	Ripon Road A61 (N)
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	0.945	B6161 Oaker Bank (North)

Junction Analysis 2024 Base

Junction	Software	Max RFC	Arm
A6040 York Place / Station Parade	Linsig	0.627	York Place Ahead
A61 Ripon Road / Jenny Field Drive	Linsig	0.591	Ripon Road A61 (N) Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	0.785	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	0.817	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	0.955	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	0.94	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	0.881	Leeds Road Ahead Ahead 2
A661 Wetherby Road / Railway Road	Linsig	1.084	A661 Wetherby Road Right
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	0.928	Skipton Road S/B Ahead Left
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	1.086	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	1.228	High Bond End Left Right
B6162 Otley Road / Harlow Moor Road	Linsig	1.018	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	0.727	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	1.172	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	0.702	Leeds Road A61
Southern By Pass / A61	Arcady	0.807	A658 (E)
A59 / Empress Roundabout	Arcady	0.863	Knaresborough Road A59 (NE)
A59 / A61 Ripon Road	Arcady	1.161	Ripon Road A61 (S)
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	1.229	B6161 Oaker Bank (North)

Junction Analysis 2024 Scenario 1

Junction	Software	Max RFC	Arm
A6040 York Place / Station Parade	Linsig	0.588	York Place Ahead
A61 Ripon Road / Jenny Field Drive	Linsig	0.681	Ripon Road A61 (N) Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	0.796	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	0.803	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	0.978	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	0.956	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	0.836	Leeds Road Ahead
A661 Wetherby Road / Railway Road	Linsig	0.817	A661 Wetherby Road Right
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	0.967	Skipton Road S/B Ahead Left
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	1.054	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	1.269	High Bond End Left Right
B6162 Otley Road / Harlow Moor Road	Linsig	1.152	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	0.684	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	1.169	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	0.69	Leeds Road A61
Southern By Pass / A61	Arcady	0.745	A658 (E)
A59 / Empress Roundabout	Arcady	0.818	Knaresborough Road A59 (NE)
A59 / A61 Ripon Road	Arcady	1.245	Skipton Road A59 (SE)
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	1.495	B6161 Oaker Bank (North)

Junction Analysis 2024 Scenario 2

Junction	Software	Max RFC	Arm
A6040 York Place / Station Parade	Linsig	0.597	York Place Ahead
A61 Ripon Road / Jenny Field Drive	Linsig	0.634	Ripon Road A61 (N) Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	0.781	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	0.802	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	0.962	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	0.932	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	0.84	Leeds Road Ahead
A661 Wetherby Road / Railway Road	Linsig	0.86	A661 Wetherby Road Right
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	0.939	Skipton Road S/B Ahead Left
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	1.032	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	1.244	High Bond End Left Right
B6162 Otley Road / Harlow Moor Road	Linsig	1.146	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	0.686	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	1.164	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	0.671	Leeds Road A61
Southern By Pass / A61	Arcady	0.754	A658 (E)
A59 / Empress Roundabout	Arcady	0.823	Knaresborough Road A59 (NE)
A59 / A61 Ripon Road	Arcady	1.198	Skipton Road A59 (SE)
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	1.263	B6161 Oaker Bank (North)

Junction Analysis 2024 Scenario 3

Junction	Software	Max RFC	Arm
A6040 York Place / Station Parade	Linsig	0.631	York Place Ahead
A61 Ripon Road / Jenny Field Drive	Linsig	0.633	Ripon Road A61 (N) Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	0.789	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	1.017	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	0.971	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	0.918	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	0.845	Leeds Road Ahead
A661 Wetherby Road / Railway Road	Linsig	0.759	A661 Wetherby Road Right
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	0.935	Skipton Road S/B Ahead Left
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	1.061	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	1.194	High Bond End Left Right
B6162 Otley Road / Harlow Moor Road	Linsig	1.198	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	0.681	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	1.169	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	0.732	Leeds Road A61
Southern By Pass / A61	Arcady	0.75	A658 (E)
A59 / Empress Roundabout	Arcady	0.83	Knaresborough Road A59 (NE)
A59 / A61 Ripon Road	Arcady	1.19	Skipton Road A59 (SE)
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	1.075	B6161 Oaker Bank (North)

Junction Analysis 2024 Scenario 4

Junction	Software	Max RFC	Arm
A6040 York Place / Station Parade	Linsig	0.623	York Place Ahead
A61 Ripon Road / Jenny Field Drive	Linsig	0.621	Ripon Road A61 (N) Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	0.822	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	0.811	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	0.967	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	0.917	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	0.855	Leeds Road Ahead Ahead2
A661 Wetherby Road / Railway Road	Linsig	0.8	A661 Wetherby Road Right
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	0.934	Skipton Road S/B Ahead Left
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	1.047	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	1.197	High Bond End Left Right
B6162 Otley Road / Harlow Moor Road	Linsig	1.096	Otley Rd West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	0.695	A66 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	1.239	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	0.683	Leeds Road A61
Southern By Pass / A61	Arcady	0.771	A658 (E)
A59 / Empress Roundabout	Arcady	0.829	Knaresborough Road A59 (NE)
A59 / A61 Ripon Road	Arcady	1.194	Skipton Road A59 (W)
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	1.096	B6161 Oaker Bank (North)

Junction Analysis 2024 Scenario 5

Junction	Software	Max RFC	Arm
A6040 York Place / Station Parade	Linsig	0.625	York Place Ahead
A61 Ripon Road / Jenny Field Drive	Linsig	0.636	Ripon Road A61 (N) Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	0.798	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	0.813	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	0.968	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	0.919	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	0.858	Leeds Road Ahead Ahead2
A661 Wetherby Road / Railway Road	Linsig	0.815	A661 Wetherby Road Right
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	0.935	Skipton Road S/B Ahead Left
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	1.061	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	1.228	High Bond End Left Right
B6162 Otley Road / Harlow Moor Road	Linsig	1.092	Otley Rd West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	0.702	A66 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	1.183	Weatherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	0.682	Leeds Road A61
Southern By Pass / A61	Arcady	0.768	A658 (E)
A59 / Empress Roundabout	Arcady	0.829	Knaresborough Road A59 (NE)
A59 / A61 Ripon Road	Arcady	1.194	Skipton Road A59 (W)
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	1.098	B6161 Oaker Bank (North)

Junction Analysis 2024 Scenario 6

Junction	Software	Max RFC	Arm
A6040 York Place / Station Parade	Linsig	0.623	York Place Ahead
A61 Ripon Road / Jenny Field Drive	Linsig	0.626	Ripon Road A61 (N) Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	0.79	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	0.906	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	0.972	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	0.91	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	0.844	Leeds Road Ahead Ahead2
A661 Wetherby Road / Railway Road	Linsig	0.782	A661 Wetherby Road Right
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	0.934	Skipton Road S/B Ahead Left
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	1.044	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	1.2	High Bond End Left Right
B6162 Otley Road / Harlow Moor Road	Linsig	1.163	Otley Rd West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	0.681	A66 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	1.169	Weatherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	0.707	Leeds Road A61
Southern By Pass / A61	Arcady	0.748	A658 (E)
A59 / Empress Roundabout	Arcady	0.812	Knaresborough Road A59 (NE)
A59 / A61 Ripon Road	Arcady	1.178	Skipton Road A59 (W)
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	1.134	B6161 Oaker Bank (North)

Junction Analysis 2009 Base

Junction	Software	Queue	Arm
A6040 York Place / Station Parade	Linsig	8.1	Station Parade Right Left
A61 Ripon Road / Jenny Field Drive	Linsig	11.7	Ripon Road A61 (S) Left Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	7.6	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	10	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	23.8	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	20.6	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	15.2	The Carr Ahead
A661 Wetherby Road / Railway Road	Linsig	15.5	A661 Wetherby Road Right
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	18.1	Skipton Road NB Ahead Left
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	28.1	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	68.2	Bond End A59 E/B Right Left
B6162 Otley Road / Harlow Moor Road	Linsig	16.6	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	18.3	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	34.7	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	1.4	Leeds Road A61
Southern By Pass / A61	Arcady	2	Swindon Lane (S) A61
A59 / Empress Roundabout	Arcady	3.1	Knaresborough Road (NE) A59
A59 / A61 Ripon Road	Arcady	16.1	Ripon Road (N) A61
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	11.5	Oaker Bank (S) B6161

Junction Analysis 2024 Base

Junction	Software	Queue	Arm
A6040 York Place / Station Parade	Linsig	10	Station Parade Right Left
A61 Ripon Road / Jenny Field Drive	Linsig	14.1	Ripon Road A61 (S) Left Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	8.8	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	12.5	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	25.5	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	27.8	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	19.6	The Carr Ahead
A661 Wetherby Road / Railway Road	Linsig	34.3	A661 Wetherby Road Right
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	24.7	Skipton Road NB Ahead Left
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	52	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	56.9	Bond End A59 E/B Right Left
B6162 Otley Road / Harlow Moor Road	Linsig	26	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	20.9	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	46.2	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	2.3	Leeds Road A61
Southern By Pass / A61	Arcady	4	Swindon Lane (S) A61
A59 / Empress Roundabout	Arcady	5.9	Knaresborough Road (NE) A59
A59 / A61 Ripon Road	Arcady	81.5	Ripon Road (N) A61
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	100.8	Oaker Bank (S) B6161

Junction Analysis 2024 Scenario 1

Junction	Software	Queue	Arm
A6040 York Place / Station Parade	Linsig	9.8	Station Parade Right Left
A61 Ripon Road / Jenny Field Drive	Linsig	15.1	Ripon Road A61 (S) Left Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	9	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	12.1	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	28.9	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	29.5	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	16.6	Princess Rpyal Way Ahead Left
A661 Wetherby Road / Railway Road	Linsig	9.9	A661 Wetherby Road Ahead
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	25.7	Skipton Road North Ahead Right
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	43.3	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	64.8	High Bond End Left Right
B6162 Otley Road / Harlow Moor Road	Linsig	57.7	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	19.2	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	45.7	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	2.2	Leeds Road A61
Southern By Pass / A61	Arcady	2.8	A658 (E)
A59 / Empress Roundabout	Arcady	4.3	Knaresborough Road (NE) A59
A59 / A61 Ripon Road	Arcady	138.2	Skipton Road (SE) A59
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	242.1	Oaker Bank (S) B6161

Junction Analysis 2024 Scenario 2

Junction	Software	Queue	Arm
A6040 York Place / Station Parade	Linsig	10	Station Parade Right Left
A61 Ripon Road / Jenny Field Drive	Linsig	14.1	Ripon Road A61 (S) Left Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	8.8	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	12.1	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	26.2	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	26.8	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	16.7	Princess Rpyal Way Ahead Left
A661 Wetherby Road / Railway Road	Linsig	9.7	A661 Wetherby Road Ahead
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	24.8	Skipton Road North Ahead Right
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	37.6	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	59.9	High Bond End Left Right
B6162 Otley Road / Harlow Moor Road	Linsig	56.2	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	19.3	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	44.7	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	2	Leeds Road A61
Southern By Pass / A61	Arcady	3	A658 (E)
A59 / Empress Roundabout	Arcady	4.5	Knaresborough Road (NE) A59
A59 / A61 Ripon Road	Arcady	111.1	Skipton Road (SE) A59
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	127.2	Oaker Bank (S) B6161

Junction Analysis 2024 Scenario 3

Junction	Software	Queue	Arm
A6040 York Place / Station Parade	Linsig	10	Station Parade Right Left
A61 Ripon Road / Jenny Field Drive	Linsig	13.8	Ripon Road A61 (S) Left Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	8.9	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	30.2	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	27.7	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	25.6	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	16.7	Leeds Road Ahead
A661 Wetherby Road / Railway Road	Linsig	10.5	A661 Wetherby Road Ahead
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	24.7	Skipton Road North Ahead Right
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	45.2	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	61.4	Bond End A59 E/B Right Left
B6162 Otley Road / Harlow Moor Road	Linsig	70.2	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	19.1	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	45.7	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	2.7	Leeds Road A61
Southern By Pass / A61	Arcady	2.9	A658 (E)
A59 / Empress Roundabout	Arcady	4.7	Knaresborough Road (NE) A59
A59 / A61 Ripon Road	Arcady	106.2	Skipton Road (SE) A59
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	43.7	Oaker Bank (S) B6161

Junction Analysis 2024 Scenario 4

Junction	Software	Queue	Arm
A6040 York Place / Station Parade	Linsig	10.1	Station Parade Right Left
A61 Ripon Road / Jenny Field Drive	Linsig	13.6	Ripon Road A61 (S) Left Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	9.7	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	12.3	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	26.9	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	25.5	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	17.4	Leeds Road Ahead
A661 Wetherby Road / Railway Road	Linsig	11.1	A661 Wetherby Road Ahead
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	24.9	Skipton Road North Ahead Right
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	41.5	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	65.1	Bond End A59 E/B Right Left
B6162 Otley Road / Harlow Moor Road	Linsig	43.2	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	19.6	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	58.8	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	2.1	Leeds Road A61
Southern By Pass / A61	Arcady	3.3	A658 (E)
A59 / Empress Roundabout	Arcady	4.6	Knaresborough Road (NE) A59
A59 / A61 Ripon Road	Arcady	93	Skipton Road (W) A59
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	51.1	Oaker Bank (S) B6161

Junction Analysis 2024 Scenario 5

Junction	Software	Queue	Arm
A6040 York Place / Station Parade	Linsig	10.1	Station Parade Right Left
A61 Ripon Road / Jenny Field Drive	Linsig	13.6	Ripon Road A61 (S) Left Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	9.1	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	12.3	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	27.1	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	25.7	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	17.5	Leeds Road Ahead
A661 Wetherby Road / Railway Road	Linsig	11.6	A661 Wetherby Road Ahead
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	24.9	Skipton Road North Ahead Right
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	45.2	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	63.2	Bond End A59 E/B Right Left
B6162 Otley Road / Harlow Moor Road	Linsig	42.3	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	19.8	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	48.3	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	2.1	Leeds Road A61
Southern By Pass / A61	Arcady	3.2	A658 (E)
A59 / Empress Roundabout	Arcady	4.7	Knaresborough Road (NE) A59
A59 / A61 Ripon Road	Arcady	93.9	Skipton Road (W) A59
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	52.1	Oaker Bank (S) B6161

Junction Analysis 2024 Scenario 6

Junction	Software	Queue	Arm
A6040 York Place / Station Parade	Linsig	10.1	Station Parade Right Left
A61 Ripon Road / Jenny Field Drive	Linsig	13.6	Ripon Road A61 (S) Left Ahead
A59 York Place / A59 High Street / Park Row / Gracious Street	Linsig	8.9	Gracious Street Ahead Left Right
B6162 Otley Road / Cold Bath Road / Arthurs Avenue	Linsig	16.3	Otley Road Left Ahead
Skipton Road / Bilton Lane	Linsig	27.9	Skipton Road A59 NW Ahead Left
A61 Ripon Road / Kings Road / A61 Parliament Street / Crescent Road	Linsig	25	Parliament Street A61 Ahead
A61 Spacey Houses	Linsig	16.9	Princess Rpyal Way Ahead Left
A661 Wetherby Road / Railway Road	Linsig	10.4	A661 Wetherby Road Ahead
A59 Skipton Road / Kings Road / Woodfield Road	Linsig	24.8	Skipton Road North Ahead Right
A61 Leeds Road / Hookstone Road / Leadhall Lane	Linsig	40.6	Leeds Road A61 Ahead Left
Bond End A59 / High Street / Boroughbridge Road	Linsig	62.8	Bond End A59 E/B Right Left
B6162 Otley Road / Harlow Moor Road	Linsig	60.8	Otley Road West Left Ahead Right
A661 Wetherby Road / Hookstone Chase / Hookstone Drive	Linsig	19.1	A661 Wetherby Road Left Ahead
A59 York Road / Wetherby Road / Chain Lane	Linsig	45.7	Wetherby Road Left Ahead Right
A61 Leeds Road / B6162 Otley Road / Prince of Wales Roundabout	Arcady	2.4	Leeds Road A61
Southern By Pass / A61	Arcady	2.9	A658 (E)
A59 / Empress Roundabout	Arcady	4.2	Knaresborough Road (NE) A59
A59 / A61 Ripon Road	Arcady	92.3	Skipton Road (SE) A59
B6161 Otley Road / A59 Skipton Road /Oaker Bank	Arcady	67.1	Oaker Bank (S) B6161