

A46 Newark Bypass

TR010065/APP/6.3

6.3 Environmental Statement

Appendix 15.2 Assessment of Cumulative Effects for Construction and Operation

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009

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**The Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009**

A46 Newark Bypass

Development Consent Order 202[x]

ENVIRONMENTAL STATEMENT

**APPENDIX 15.2 ASSESSMENT OF CUMULATIVE EFFECTS FOR
CONSTRUCTION AND OPERATION**

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1 Assessment of Cumulative Effects for Construction and Operation

- 1.1.1 Table 1-1 below demonstrates the full assessment of cumulative effects for construction and operation.
- 1.1.2 The significance of cumulative effects upon each environmental resource has been determined based on the balance of scores and using professional judgement. An on-balance approach has been taken when identifying the overall cumulative effect for the Scheme in conjunction with the other existing developments and/or approved developments. The on-balance cumulative effect reported for each receptor represents the additional cumulative effect as a result of the combination of effects from the other development and the Scheme. For example, a Neutral effect on a receptor as a result of the other development and a Large Adverse effect on the same receptor as a result of the Scheme, would result in a not significant adverse effect cumulatively, based on an on-balance approach and using professional judgement.
- 1.1.3 These results have been used to inform and summarise the cumulative assessment contained within Chapter 15 (Combined and Cumulative Effects) of the Environmental Statement (ES) [APP-059].

Table 1-1: Assessment of cumulative effects for construction and operation

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
Air Quality							
2	3	1	Newark & Sherwood District Council	NAP2A (10/01586/OUTM and 14/01978/OUTM) - Land south of Newark: Catesby Estates Ltd Proposal includes the construction of up to 3,150 dwellings, two local centres, a 60-bed care home, a primary school and a commercial estate of up to 50 hectares comprising employment uses and amenity space.	<u>Receptors within the Zones of Influence (ZOI) overlap:</u> As demonstrated in Figure 15.2 (NAP2A Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-078], the majority of the NAP2A ZOIs would overlap with the Scheme's ZOIs. However, due to the small size of the NAP2A development, this only covers a small section south of the Scheme's ZOI. No individual air quality receptors and resources fall within the ZOI overlap for air quality (construction). <u>Cumulative residual effects for NAP2A and the Scheme within the ZOI overlap:</u> No individual air quality receptors and resources fall within the ZOI overlap for air quality (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no effects are predicted.	No cumulative effects are anticipated.
3	3	3	Newark & Sherwood District Council	NUA/E/3 (05/02334/FULM) – Telford Drive: Sunbelt Rentals Employment Site 3 Telford Drive (1.4ha)	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.3 (NUA/E/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-079], the entire NUA/E/3 development falls within the Scheme's ZOIs. Additionally, the majority of the NUA/E/3 ZOIs would overlap with the Scheme's ZOIs. No individual air quality receptors and resources fall within the ZOI overlap for air quality (construction). <u>Cumulative residual effects for NUA/E/3 and the Scheme within the ZOI overlap:</u> No individual air quality receptors and resources fall within the ZOI overlap for air quality (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no effects are predicted.	No cumulative effects are anticipated.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
6	3	3	Newark & Sherwood District Council	NUA/MU/1 (20/01219/FULM) - Land North of the A17, Newark: Lindum Group - Land North of the A17 (10.88ha), current planning application on part of the site. - Part of land has already been constructed as distribution unit - Linden development - Overfield owns land - likely to be constructed before A46 construction period - Lorry Park potentially moving to different location next to Newark Showground - existing lorry park potential for Newark Town Fund Project.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.5 (NUA/MU/1 Proposed Development and Proposed Scheme with Relevant Zones of Influence) [AS-081], the entire NUA/MU/1 development falls within the Scheme's ZOIs. Additionally, the majority of the NUA/MU/1 ZOI would overlap with the Scheme's ZOIs. No individual air quality receptors and resources fall within the ZOI overlap for air quality (construction). <u>Cumulative residual effects for NUA/MU/1 and the Scheme within the ZOI overlap:</u> No individual air quality receptors and resources fall within the ZOI overlap for air quality (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-025] is considered necessary, as no effects are predicted.	No cumulative effects are anticipated.
7	3	3	Newark & Sherwood District Council	NUA/E/2 (20/00309/FULM) - Stephenson Way: - Employment Site 2 Stephenson Way (12.24ha). - Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.6 (NUA/E/2 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-082], the entire NUA/E/2 development falls within the Scheme's ZOIs. Additionally, the majority of the NUA/E/2 ZOI would overlap with the Scheme's ZOIs. No individual air quality receptors and resources fall within the ZOI overlap for air quality (construction). <u>Cumulative residual effects for NUA/E/2 and the Scheme within the ZOI overlap:</u> No individual air quality receptors and resources fall within the ZOI overlap for air quality (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no effects are predicted.	No cumulative effects are anticipated.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
16	2	EN010162 (case reference)	Newark & Sherwood District Council	Great North Road Solar Park Elements Green Trent Ltd - Proposal includes installation of solar photovoltaic (PV) panels, on-site energy storage facility, and infrastructure required to connect the scheme into the national grid at Staythorpe substation. - Across 2800 hectares of land northwest of Newark.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.9 (Great North Road Solar Park and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-085], a small section of the southeast extent of the Great North Road Solar Park ZOI would overlap with the western extent of the Scheme's ZOI. Additionally, a small section of the southeast corner of the Great North Road Solar Park development overlaps with the western extent of the Scheme's ZOI. Affected Road Network - A617 <u>Great North Road Solar Park residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Environmental Scoping Report Air quality effects from emissions from construction and decommissioning vehicles and plant from the development are anticipated to be negligible, and their assessment is proposed to be scoped out of the EIA. Therefore, no residual air quality effects are anticipated on any receptors within the ZOI overlap during construction of this development. Air quality effects during the operational phase are expected to be slightly positive, compared to the baseline, but negligible and are proposed to be scoped out of the EIA. Therefore, no residual air quality effects are anticipated on any receptors within the ZOI overlap during operation of this development. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Chapter 5 (Air Quality) of the ES [AS-021] reported a predicted Negligible effect during construction on the receptor within the ZOI overlap. The Scheme is not anticipated to result in any significant air quality impacts during the operational phase. <u>Cumulative residual effects for Great North Road Solar Park and the Scheme within the ZOI overlap:</u> The cumulative effect anticipated on the air quality receptor within the ZOI overlap during construction is anticipated to be Negligible. No cumulative effects are anticipated on the air quality receptor within the ZOI overlap during operation.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no adverse effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no adverse effects are predicted.	No residual cumulative effects are anticipated during construction and operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
Cultural Heritage							
2	3	1	Newark & Sherwood District Council	NAP2A (10/01586/OUTM and 14/01978/OUTM) - Land south of Newark: Catesby Estates Ltd Proposal includes the construction of up to 3,150 dwellings, two local centres, a 60-bed care home, a primary school and a commercial estate of up to 50 hectares comprising employment uses and amenity space.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.2 (NAP 2A Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-078], the majority of the NAP2A ZOI would overlap with the Scheme's ZOI. However, due to the small size of the NAP2A development, this only covers a small section south of the Scheme's (A46) ZOI. Built Heritage receptors The Scheme and NAP2A's ZOIs overlap with the following receptors: - Newark Conservation Area (MM431) - Two Grade II Listed Buildings (Farndon Windmill (MM139) and The Firs (MM387)) Buried Archaeology receptors There is a potential for buried archaeology receptors within the ZOI overlap. <u>NAP2A residual effects on receptors within the ZOI overlap:</u> 10/01586/OUTM and 14/01978/OUTM include the following planning documents available to inform the assessment: - Environmental Statement - Initial desk-based assessment, site visits and phased archaeological evaluation (non-intrusive geophysical and field walking surveys followed by intrusive targeted trial trenching) No adverse effects on the setting of any nearby designated built heritage asset was identified in light of the design of the development. The Archaeological assessment confirmed that no designated sites lie within the development. However, some might be indirectly affected. Although the development will adversely affect buried archaeological deposits, these have all been harmed by later agricultural activity. None would rate as of greater than regional importance and therefore it is proposed that they will be subject to further investigation in advance of construction in order to mitigate the minor adverse effect assessed. Furthermore, no adverse effect on the setting of any nearby designated heritage asset was identified in light of the design of the development.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] as the cumulative effects predicted are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Built Heritage Temporary Moderate Adverse effect during construction and Neutral effect during operation on the Grade II* Listed Building Farndon Windmill (MM139). Neutral effect during construction and operation on the following receptors: - The Firs (MM387, Grade II Listed) - Newark Conservation Area (MM431). Buried Archaeology Neutral effect during construction and operation on all receptors.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					In the absence of effects reported, it has been assumed that the development would have a Neutral effect on built heritage and buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Chapter 6 (Cultural Heritage) of the ES [APP-050] reported a predicted Neutral effect during construction on all built heritage receptors within the ZOI overlap except for Farndon Windmill (MM139) which is expected to experience a Temporary Large Adverse effect. During operation, effects on the built heritage receptors within the ZOI overlap are all anticipated to be Neutral as a result of the Scheme. Regarding buried archaeology, there is a potential that receptors may fall within the ZOI overlap. However, due to the ongoing assessment, it has been assumed that the Scheme would have a Neutral effect on buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Cumulative residual effects for NAP2A and the Scheme on receptors within the ZOI overlap:</u> Built Heritage receptors During construction, the cumulative effect anticipated on the Farndon Windmill (MM139) as a result of the Scheme and NAP2A development is anticipated to be Temporary Moderate Adverse. For all other built heritage receptors within the ZOI overlap, the cumulative effect during construction is anticipated to be Neutral. During operation, the cumulative effect anticipated on all built heritage receptors as a result of the Scheme and NAP2A development is anticipated to be Neutral. Built Heritage receptors During construction and operation, the cumulative effect on buried archaeology receptors within the ZOI overlap is anticipated to be Neutral.		
3	3	3	Newark & Sherwood District Council	NUA/E/3 (05/02334/FULM) – Telford Drive Sunbelt Rentals Employment Site 3 Telford Drive (1.4ha)	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.3 (NUA/E/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-079], the entire NUA/E/3 development falls within the Scheme's ZOIs. Additionally, the majority of the NUA/E/3 ZOIs would overlap with the Scheme's ZOIs. Built Heritage receptors	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u>	Built Heritage Neutral effect during construction and operation on all receptors. Buried Archaeology

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					The Scheme and NUA/E/3's ZOIs overlap with four Grade II Listed Buildings: - The Blue Man Public House and adjoining Cottages to Right (MM245), - Appleton Gate (MM709), - Northgate Railway Station (MM097) and - The Former Offices at South End of Northgate Railway Station (MM342). Buried Archaeology receptors There is a potential for buried archaeology receptors within the ZOI overlap. <u>NUA/E/3 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Application for Planning Permission The Application for Planning Permission and accompanying environmental documents have not mentioned any adverse effects on cultural heritage receptors. In the absence of effects reported, it has been assumed that the development would have a Neutral effect on built heritage and buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Appendix 6.1 (Cultural Heritage Desk-Based Assessment) of the ES Appendices [AS-099] reported a predicted Neutral effect on the built heritage receptors within the ZOI overlap during construction and operation. Regarding buried archaeology, there is a potential that receptors may fall within the ZOI overlap. However, due to the ongoing assessment, it has been assumed that the Scheme would have a Neutral effect on buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Cumulative residual effects for NUA/E/3 and the Scheme on receptors within the ZOI overlap:</u> Buried Archaeology receptors During construction and operation, the cumulative effect anticipated on all built heritage receptors as a result of the Scheme and NUA/E/3 is anticipated to be Neutral. Built Heritage receptors	No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Neutral effect during construction and operation on all receptors.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					During construction and operation, the cumulative effect on buried archaeology receptors within the ZOI overlap is anticipated to be Neutral.		
5	3	1	Newark & Sherwood District Council	NUA/Ho/4 (18/02279/OUTM, 22/00426/S73) - Lincoln Road (Yorke Dr and Lincoln Rd Playing Field): Newark & Sherwood District Council - Selective demolition and redevelopment of parts of the existing Yorke Drive Estate and the erection of new mixed tenure housing, community and recreational facilities on the adjoining Lincoln Road Playing Field site, - Development of up to 320 homes	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.4 (NUA/Ho/4 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-080], the entire NUA/Ho/4 development falls within the Scheme's ZOIs. Additionally, the majority of the NUA/Ho/4 ZOI would overlap with the Scheme's ZOIs. Built Heritage receptors The Scheme and NUA/HO/4's ZOIs overlap with six Grade II Listed Buildings: - The Blue Man Public House and adjoining Cottages to Right (MM245), - Appleton Gate (MM709), - Northgate Railway Station (MM097), - Former Offices at South End of Northgate Railway Station (MM342), - Maltings 70 metres North West of Northgate Brewery (MM168), and, - Northgate Brewery Office Range and Brewhouse (MM303), There is also one Grade II* Listed Building Concrete Footbridge across the River Trent (MM038), and Newark Conservation Area (MM431), within the ZOI overlap. Buried Archaeology receptors There is a potential for buried archaeology receptors within the ZOI overlap. <u>NUA/Ho/4 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Planning Statement - Archaeological Desk Based Assessment An Archaeological Desk Based Assessment, including geophysics surveys, has identified that there is a potential for archaeology to survive on the site from the Roman period onwards but the form,	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as the cumulative effects predicted are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Built Heritage Temporary Slight Adverse effect during construction and Neutral effect during operation on the Grade II* Listed Building Concrete Footbridge across the River Trent (MM038, Grade II Listed). Neutral effect during construction and operation on the following receptors: - The Blue Man Public House and adjoining Cottages to Right (MM245, Grade II Listed), - Appleton Gate (MM709, Grade II Listed), - Northgate Railway Station (MM097, Grade II Listed), - Former Offices at South End of Northgate Railway Station (MM342, Grade II Listed), - Maltings 70 metres North West of Northgate Brewery (MM168, Grade II Listed), and, - Northgate Brewery Office Range and

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					importance and survival of any remains is unknown. Therefore, appropriate mitigation including a Scheme of Archaeological Works is approved by the local authority before commencement of works. In the absence of effects reported on the built heritage receptors, it has been assumed that the development would have a Slight Adverse effect on built heritage receptors and Neutral effect on buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Appendix 6.1 (Cultural Heritage Desk-Based Assessment) of the ES Appendices [AS-099] reported a predicted Neutral effect during construction on all the receptors except for the Concrete Footbridge (MM038) which is expected to experience a Temporary Moderate Adverse effect. During operation, effects on the built heritage receptors within the ZOI overlap are all anticipated to be Neutral as a result of the Scheme. Regarding buried archaeology, there is a potential that receptors may fall within the ZOI overlap. However, due to the ongoing assessment, it has been assumed that the Scheme would have a Neutral effect on buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Cumulative residual effects for NUA/Ho/4 and the Scheme on receptors within the ZOI overlap:</u> Built Heritage receptors During construction, the cumulative effect anticipated on the Concrete Footbridge as a result of the Scheme and NUA/Ho/4 is anticipated to be Temporary Slight Adverse. For all other built heritage receptors within the ZOI overlap, the cumulative effect during construction is anticipated to be Neutral. During operation, the cumulative effect anticipated on all built heritage receptors as a result of the Scheme and NUA/Ho/4 is anticipated to be Neutral. Buried Archaeology receptors During construction and operation, the cumulative effect on buried archaeology receptors within the ZOI overlap is anticipated to be Neutral.		Brewhouse (MM303, Grade II Listed), Newark Conservation Area (MM431, Grade II Listed). Buried Archaeology Neutral effect during construction and operation on all receptors.
6	3	3	Newark & Sherwood	NUA/MU/1 (20/01219/FULM) – Land North of the A17, Newark:	<u>Receptors with the ZOI overlap:</u> As demonstrated in Figure 15.5 (NUA/MU/1 Proposed Development and Proposed Scheme with Relevant Zones of	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP	Built Heritage Temporary Slight Adverse effect during construction

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			District Council	- Employment Site 2 Stephenson Way (12.24ha). - Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	Influence) of the ES Figures [AS-081], the entire NUA/MU/1 development falls within the Scheme's ZOIs. Additionally, the majority of the NUA/MU/1 ZOIs would overlap with the Scheme's ZOIs. Built Heritage The Scheme and NUA/MU/1's ZOIs overlap with six Grade II Listed Buildings: - Church of All Saints, Winthorpe (MM063) - Thompson Tomb in Church of All Saints, Church Yard, 15 Feet South of Baptistry (MM064) - Gate Piers to Church of All Saints (MM420) - Lowwood (MM053) - The Grove (MM062) - Conservatory at The Grove (MM052) Buried Archaeology There is a potential for buried archaeology receptors within the ZOI overlap. <u>NUA/MU/1 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Planning, Design and Access Statement for 20/01219/FULM - Archaeological Desk-Based Assessment for 20/01219/FULM and 20/00217/FULM Due to the limited assessment on the remaining 3.91 hectares for the land plot, the assessment has been based on the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). The Archaeological Desk-Based Assessment for the sections of land which have already been built on have shown a high potential for encountering the remains of a post-Medieval former field boundary with the site boundary. However, the development boundaries themselves are of low archaeological significance. There is also a low to negligible potential for encountering other heritage assets in the area. The area seems to have undergone a certain degree of ground disturbance due to the construction of neighbouring roads. However, the depth and degree of these disturbances is unknown at this current time. The assessment has concluded that there will be no direct or indirect impact on the setting of designated heritage assets within	[REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	and Slight Adverse effect during operation on the following receptor: - Church of All Saints, Winthorpe (MM063, Grade II Listed) - Lowwood (MM053, Grade II Listed), Neutral effect during construction and operation on the following receptors: - Thompson Tomb in Church of All Saints, Church Yard, 15 Feet South of Baptistry (MM064, Grade II Listed), - Gate Piers to Church of All Saints (MM420, Grade II Listed), - The Grove (MM062, Grade II Listed), and, - Conservatory at The Grove (MM052, Grade II Listed). Buried Archaeology Neutral effect during construction and operation on all receptors.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					the wider study area. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on built heritage and buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Appendix 6.1 (Cultural Heritage Desk-Based Assessment) [AS-099] reported a predicted Neutral effect during construction and operation on Thompson Tomb in Church of All Saints, Church Yard, 15 Feet South of Baptistry (MM064), The Grove (MM062), Gate Piers to Church of All Saints (MM420) and Conservatory at The Grove (MM052) as a result of the Scheme. This is because the distance of these assets from the Scheme means that development within the Order Limits will not have an adverse impact on its value. However, Church of All Saints, Winthorpe (MM063) and Lowwood (MM053) are predicted to experience Temporary Moderate Adverse effects during construction which will reduce to Permanent Slight Adverse effects during operation as a result of the Scheme. Regarding buried archaeology, there is a potential that receptors may fall within the ZOI overlap. However, due to the ongoing assessment, it has been assumed that the Scheme would have a Neutral effect on buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Cumulative residual effects for NUA/MU/1 and the Scheme on receptors within the ZOI overlap:</u> Built Heritage receptors During construction, the cumulative effect anticipated on Church of All Saints, Winthorpe (MM063) and Lowwood (MM053) built heritage receptors as a result of the Scheme and NUA/MU/1 is anticipated to be Temporary Slight Adverse. For all other built heritage receptors within the ZOI overlap, the cumulative effect during construction is anticipated to be Neutral. During operation, the cumulative effect anticipated on Church of All Saints, Winthorpe (MM063) and Lowwood (MM053) built heritage receptors as a result of the Scheme and NUA/MU/1 is anticipated to be Slight Adverse effect. For all other built heritage receptors within the ZOI overlap, the cumulative effect during operation is anticipated to be Neutral. Buried Archaeology receptors		

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					During construction and operation, the cumulative effect on buried archaeology receptors within the ZOI overlap is anticipated to be Neutral.		
7	3	3	Newark & Sherwood District Council	NUA/E/2 (20/00309/FULM) - Stephenson Way: - Employment Site 2 Stephenson Way (12.24ha). - Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.6 (NUA/E/2 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-082], the entire NUA/E/2 development falls within the Scheme's ZOIs. Additionally, the majority of the NUA/E/2 ZOI would overlap with the Scheme's ZOIs. Built Heritage The Scheme and NUA/E/2's ZOIs overlap with six Grade II Listed Buildings: - Church of All Saints, Winthorpe (MM063) - Thompson Tomb in Church of All Saints, Church Yard, 15 Feet South of Baptistry (MM064) - Gate Piers to Church of All Saints (MM420) - Lowwood (MM053) - The Grove (MM062) - Conservatory at The Grove (MM052) Buried Archaeology There is a potential for buried archaeology receptors within the ZOI overlap. <u>NUA/E/2 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Planning, Design and Access Statement for 20/00309/FULM - Archaeological Desk-Based Assessment for 20/00309/FULM and 2202164/S73M Due to the limited information available for NUA/E/2, the assessment has been based on the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and Neutral effect for operation on built heritage and buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u>	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Built Heritage Temporary Slight Adverse effect during construction and Slight Adverse effect during operation on the following receptors: - Church of All Saints, Winthorpe (MM063, Grade II Listed), - Lowwood (MM053, Grade II Listed), Neutral effect during construction and operation on the following receptors: - Thompson Tomb in Church of All Saints, Church Yard, 15 Feet South of Baptistry (MM064, Grade II Listed), - Gate Piers to Church of All Saints (MM420, Grade II Listed), - The Grove (MM062, Grade II Listed), and, - Conservatory at The Grove (MM052, Grade II Listed). Buried Archaeology Neutral effect during construction and operation on all receptors.

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					Appendix 6.1 (Cultural Heritage Desk-Based Assessment) of the ES Appendices [AS-099] reported a predicted Neutral effect during construction and operation on Thompson Tomb in Church of All Saints, Church Yard, 15 Feet South of Baptistry (MM064), The Grove (MM062), Gate Piers to Church of All Saints (MM420) and Conservatory at The Grove (MM052) as a result of the Scheme. This is because the distance of these assets from the Scheme means that development within the Order Limits will not have an adverse impact on its value. However, Church of All Saints, Winthorpe (MM063) Lowwood (MM053) are predicted to experience Temporary Moderate Adverse effects during construction which will reduce to Permanent Slight Adverse effects during operation as a result of the Scheme. Regarding buried archaeology, there is a potential that receptors may fall within the ZOI overlap. However, due to the ongoing assessment, it has been assumed that the Scheme would have a Neutral effect on buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Cumulative residual effects for NUA/E/2 and the Scheme on receptors within the ZOI overlap:</u> Built Heritage During construction, the cumulative effect anticipated on Church of All Saints, Winthorpe (MM063) and Lowwood (MM053) built heritage receptors as a result of the Scheme and NUA/E/2 is anticipated to be Temporary Slight Adverse. For all other built heritage receptors within the ZOI overlap, the cumulative effect during construction is anticipated to be Neutral. During operation, the cumulative effect anticipated on Church of All Saints, Winthorpe (MM063) and Lowwood (MM053) built heritage receptors as a result of the Scheme and NUA/E/2 is anticipated to be Negligible. For all other built heritage receptors within the ZOI overlap, the cumulative effect during operation is anticipated to be Neutral. Buried Archaeology receptors During construction and operation, the cumulative effect on buried archaeology receptors within the ZOI overlap is anticipated to be Neutral.		

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11	3	3	Newark & Sherwood District Council	21/02408/FULM: BGO Ark PropCo Limited Erection of 2no. buildings for use within Class B8 (storage and distribution) along with access and servicing arrangements, car parking, landscaping, attenuation pond, and associated works. 15.5ha	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.8 (21/02408/FULM Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-084], the entire 21/02408/FULM development falls within the Scheme's ZOI. Additionally, the majority of the 21/02408/FULM's ZOIs would overlap with the Scheme's ZOIs. Built Heritage The Scheme and 21/02408/FULM's ZOIs overlap with three Grade II Listed Buildings: - Appleton Gate (MM709) - Northgate Railway Station (MM097) - Former Offices at South End of Northgate Railway Station (MM342) Buried Archaeology There is a potential for buried archaeology receptors within the ZOI overlap. <u>21/02408/FULM residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Archaeological Desk-based Assessment The Archaeological Desk-based Assessment concluded that there is a moderate potential for the site to contain archaeological remains from the 19th century and modern period which relate to the sites use as agricultural land on the edge of new industrial developments. However, the use of Cattle Market in the 20th and 21st century may have resulted in some disturbance and truncation of archaeological finds. A Minor Adverse effect (all archaeology receptors) and a Neutral effect (all built heritage receptors) were concluded during construction and a Neutral effect during operation on all receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Appendix 6.1 (Cultural Heritage Desk-Based Assessment) of the ES Appendices [AS-084] reported a predicted Neutral effect during construction and operation on all built heritage receptors that fall within the ZOI overlap. This is because the distance of these	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Built Heritage Neutral effect during construction and operation on all receptors. Buried Archaeology Neutral effect during construction and operation on all receptors.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					assets from the Scheme means that development within the Order Limits will not have an adverse impact on its value. Regarding buried archaeology, there is a potential that receptors may fall within the ZOI overlap. However, due to the ongoing assessment, it has been assumed that the Scheme would have a Neutral effect on buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Cumulative residual effects for 21/02408/FULM and the Scheme on receptors within the ZOI overlap:</u> Built Heritage During construction and operation, the cumulative effect anticipated on all built heritage receptors as a result of the Scheme and 21/02408/FULM is anticipated to be Neutral. Buried Archaeology During construction, the cumulative effect anticipated on potential buried archaeology receptors as a result of the Scheme and 21/02408/FULM is anticipated to be Slight Adverse. During operation, the cumulative effect anticipated on potential buried archaeology receptors as a result of the Scheme and 21/02408/FULM is anticipated to be Neutral.		
15	3	3	Newark & Sherwood District Council	NUA/MU/3 (19/00825/FULM) - NSK Factory Northern Road Newark (Retail) (and residual site NUA/MU/3): - Land at NSK factory - Current planning application on part of the site 150 dwellings	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.7 (NUA/MU/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-083], the entire NUA/MU/3 development falls within the Scheme's ZOIs. Additionally, the majority of the NUA/MU/3 ZOI would overlap with the Scheme's ZOIs. Built Heritage The Scheme and NUA/MU/3's ZOIs overlap with: 258 Grade II Listed Buildings 11 Grade II* Listed Buildings 4 Grade I Listed Buildings 4 Scheduled Monuments Buried Archaeology There is a potential for buried archaeology receptors within the ZOI overlap. <u>NUA/MU/3 residual effects on receptors within the ZOI overlap:</u>	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Built Heritage Neutral effect during construction and operation on all receptors. Buried Archaeology Neutral effect during construction and operation on all receptors.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					Documents available to inform the assessment: • Application Form for 19/00825/FULM • Planning Statement for 19/00825/FULM Due to the limited information available for NUA/MU/3, the assessment has been based on the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). The Application Form and Planning Statement have mentioned that the proposal will not result in any detrimental impact of the setting of the listed buildings. However, this assessment is limited for the NUAMU/3 development. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on built heritage and buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Appendix 6.1 (Cultural Heritage Desk-Based Assessment) [AS-099] reported a predicted Neutral effect during construction and operation on the built heritage receptors that are within the ZOI overlap. This is because the distance of the asset from the Scheme means that development within the Order Limits will not have an adverse impact on their value. Regarding buried archaeology, there is a potential that receptors may fall within the ZOI overlap. However, due to the ongoing assessment, it has been assumed that the Scheme would have a Neutral effect on buried archaeology receptors within the ZOI overlap, based on professional judgement. <u>Cumulative residual effects for NUA/MU/3 and the Scheme on receptors within the ZOI overlap:</u> Built Heritage During construction and operation, the cumulative effect anticipated on all built heritage receptors as a result of the Scheme and NUA/MU/3 is anticipated to be Neutral. Buried Archaeology receptors During construction and operation, the cumulative effect on buried archaeology receptors within the ZOI overlap is anticipated to be Neutral.		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
16	2	EN010162 (case reference)	Newark & Sherwood District Council	Great North Road Solar Park Elements Green Trent Ltd - Proposal includes installation of solar photovoltaic (PV) panels, on-site energy storage facility, and infrastructure required to connect the scheme into the national grid at Staythorpe substation. - Across 2800 hectares of land northwest of Newark.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.9 (Great North Road Solar Park and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-085], a small section of the southeast extent of the Great North Road Solar Park ZOI would overlap with the western extent of the Scheme's ZOI. Additionally, a small section of the southeast corner of the Great North Road Solar Park development overlaps with the western extent of the Scheme's ZOI. Built Heritage No built heritage receptors fall within the Scheme and Great North Road Solar Park ZOI overlap. Buried Archaeology The Scheme and the Great North Road Solar Park development ZOIs overlap with three buried archaeology receptors: - MM859 (Enclosures at Kelham) - MM869 (Linear Features and Enclosure at Averham) - MM945 (Possible Enclosure Site and/or Relic Field Item) <u>Great North Road Solar Park development residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Environmental Scoping Report The Environmental Scoping Report for this development does not include an assessment of effects associated with cultural heritage. In the absence of effects reported, and due to the scope and type of the development proposed as part of the Great North Road Solar Park, it is not anticipated that there would be any additional cumulative effects for those receptors identified in within the ZOI overlap. Therefore, for the purposes of this assessment, it has been assumed that the development would have a Neutral effect for construction and operation. A Cultural Heritage and Archaeology chapter has been included within the scope for the Environmental Statement for Great North Road Solar Park. There is therefore potential that future detailed assessment for the Great North Road Solar Park development could report adverse effects that are currently unknown and have not been considered as part of this assessment, subsequently changing the residual cumulative effects reported in this assessment.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are anticipated. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are anticipated.	Built Heritage No cumulative built heritage effects are anticipated during construction or operation, as no receptors fall within the ZOI overlap. Buried Archaeology Neutral effect during construction and operation on three receptors (MM859, MM869, MM945).

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					A cumulative assessment of effects on cultural heritage receptors for the Scheme and Great North Road Solar Park should be undertaken as part of the Environmental Statement for the Great North Road Solar Park, taking into account the assessment conclusions reported in this Environmental Statement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Built Heritage No built heritage receptors fall within the Scheme and Great North Road Solar Park ZOI overlap. Buried Archaeology Chapter 6 (Cultural Heritage) of the ES [APP-050] reported an anticipated permanent Large Adverse effect during construction on receptors MM859 and MM945, as these receptors fall within the Order Limits of the Scheme. Below ground archaeological remains associated with these assets are to be removed during construction of the Kelham and Averham floodplain compensation area. Receptor MM869 is anticipated to experience a permanent Moderate Adverse effect during construction, as this asset falls partially within the Order Limits of the Scheme. Below ground archaeological remains associated with this asset are to be removed during construction of the Kelham and Averham floodplain compensation area. Archaeological investigation is included as a mitigation measure for these three receptors (MM859, MM869, MM945) during construction, as part of essential mitigation, but does not reduce the significance of effect. Appendix 6.4 (Assessment of Cultural Heritage effects during operation of the Scheme) of the ES Appendices [APP-135] reported an anticipated Neutral effect during operation on the receptors within the ZOI overlap. <u>Cumulative residual effects for EN010162 and the Scheme on receptors within the ZOI overlap:</u> Built Heritage No built heritage receptors fall within the Scheme and Great North Road Solar Park ZOI overlap, therefore cumulative effects are anticipated during construction or operation. Buried Archaeology Due to the permanent nature of removing these buried archaeology assets as part of construction of the Scheme, construction		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					associated with the Great North Road Solar Park is unlikely to alter the effect on these receptors. Therefore, no cumulative effects from the Scheme and Great North Road Solar Park are anticipated on these receptors. During construction, the cumulative effect on buried archaeology receptors within the ZOI overlap is anticipated to be Neutral. During operation, the cumulative effect on buried archaeology receptors within the ZOI overlap is anticipated to be Neutral.		
Landscape and Visual Effects							
2	3	1	Newark & Sherwood District Council	NAP2A (10/01586/OUTM and 14/01978/OUTM) - Land south of Newark: Catesby Estates Ltd Proposal includes the construction of up to 3,150 dwellings, two local centres, a 60-bed care home, a primary school and a commercial estate of up to 50 hectares comprising employment uses and amenity space.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.2 (NAP2A Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-078], the majority of the NAP2A ZOI would overlap with the Scheme's ZOI. Additionally, the western extent of the NAP2A development overlaps with the southern point of the Scheme and associated ZOI. Landscape The Landscape Character Areas that fall within the ZOI overlap are: - LCA 1 Trent Washlands - LCA 5 South Nottinghamshire Farmlands Visual Effects Ten visual receptors (R1, R2, R3, R4, R5, R7, R8, R9, R10 and R11) fall within the ZOI overlap. <u>NAP2A residual effects on receptors within the ZOI overlap:</u> Documents as part of 10/01586/OUTM and 14/01978/OUTM are available to inform the assessment: - Environmental Statement The landscape and visual effects assessment concluded that the development, set within its robust and attractive area of native landscape measures, would have an overall beneficial effect on the local landscape character in the long term and create an appropriate relationship with Newark-on-Trent and the wider landscape. It is considered that the high quality design of the development and its associated landscape measures would be entirely appropriate in its setting and visual and amenity benefits will be achieved.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Landscape Slight Adverse effect during construction and Year 1 of operation, and Neutral effect during Year 15 of operation on LCA 1 Trent Washlands. Neutral effect during construction, Year 1 and Year 15 of operation on LCA 5 South Nottinghamshire Farmlands. Visual Temporary Slight Adverse effect on two receptors (R9 and R10) and Neutral effect on all other visual receptors during construction. Slight Adverse effect on two receptors (R9 and R11), Slight Adverse effect on four receptors (R3, R5, R7 and R10) and a Neutral effect on four receptors (R1, R2, R4 and R8) during Year 1 of operation. Slight Adverse effect on three receptors (R5, R7 and R9) and Neutral effect on all other receptors during Year 15 of operation.

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					In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Landscape As a result of the Scheme, LCA 1 Trent Washlands would experience a Moderate Adverse effect during construction and Year 1 of operation, and a Slight Adverse effect during Year 15 of operation. LCA 5 South Nottinghamshire Farmlands would experience a Neutral effect during construction, and Year 1 and Year 15 of operation. Visual Effects Two receptors (R9 and R10) are predicted to experience a Moderate Adverse effect during construction from the Scheme. All other receptors are predicted to experience a Slight Adverse effect during construction from the Scheme. Two receptors (R9 and R11) are predicted to experience a Moderate Adverse effect during Year 1 of operation from the Scheme. Four receptors (R3, R5, R7 and R10) are predicted to experience a Slight Adverse effect during Year 1 of operation from the Scheme. Four receptors (R1, R2, R4 and R8) are predicted to experience a Neutral effect during Year 1 of operation from the Scheme. Three receptors (R5, R7 and R9) are predicted to experience a Slight Adverse effect during Year 15 of operation from the Scheme. All other receptors are predicted to experience a Neutral effect during Year 15 of operation from the Scheme. <u>Cumulative residual effects for NAP2A and the Scheme on receptors within the ZOI overlap:</u> Landscape During construction, LCA 1 Trent Washlands would experience a Slight Adverse effect and LCA 5 South Nottinghamshire Farmlands would experience a Neutral effect during construction as a result of the Scheme and NAP2A. During operation as a result of the Scheme and NAP2A, LCA 1 Trent Washlands would experience a Moderate Adverse effect during Year 1 and a Slight Adverse effect during Year 15. LCA 5		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					South Nottinghamshire Farmlands would experience a Neutral effect during Year 1 and Year 15 of operation. Visual Effect For visual effects during construction, a Temporary Slight Adverse effect is expected on two receptors (R9 and R10) within the ZOI overlap as a result of the Scheme and NAP2A. For all other visual effects receptors within the ZOI overlap, the cumulative effect during construction is anticipated to be Neutral. For visual effects during Year 1 of operation, a Slight Adverse effect is expected on two receptors (R9 and R11), a Slight Adverse effect is expected on four receptors (R3, R5, R7 and R10) and a Neutral effect is expected on four receptors (R1, R2, R4 and R8) within the ZOI overlap as a result of the Scheme and NAP 2A. For visual effects during Year 15 of operation, a Slight Adverse effect is expected on three receptors (R5, R7 and R9) and all other receptors are expected to experience a Neutral effect within the ZOI overlap as a result of the Scheme and NAP2A.		
3	3	3	Newark & Sherwood District Council	NUA/E/3 (05/02334/FULM) – Telford Drive Sunbelt Rentals Employment Site 3 Telford Drive (1.4ha)	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.3 (NUA/E/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-078], the entire NUA/E/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/3's ZOI would overlap with the Scheme's ZOI. Landscape The Landscape Character Areas that fall within the ZOI overlap are: - LCA 1 Trent Washlands - LCA 2 Winthorpe Village and Farmlands - LCA 3 East Nottinghamshire Sandilands - LCA 4 Newark-on-Trent Visual Effects Twelve visual receptors (R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42 and R44) fall within the ZOI overlap. <u>NUA/E/3 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Application for Planning Permission The Application for Planning Permission and accompanying environmental documents have not mentioned any adverse effects	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are not materially worse than those effects identified as resulting from the Scheme.	Landscape Slight Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year 15 of operation on LCA 1 Trent Washlands. Moderate Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year 15 of operation on LCA 2 Winthorpe Village and Farmlands. Slight Adverse effect during construction, and Slight Adverse effect during Year 1 and Year 15 of operation of LCA 3 East Nottinghamshire Sandilands. Slight Adverse effect during construction and Year 1 of operation, and No Change

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					on landscape and visual receptors. However, this assessment is limited for the NUA/E/3 development. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Landscape As a result of the Scheme, LCA 1 Trent Washlands would experience a Moderate Adverse effect during construction and Year 1 of operation, and a Slight Adverse effect during Year 15 of operation. LCA 2 Winthorpe Village and Farmlands would experience a Large Adverse effect during construction and Year 1 of operation, and a Moderate Adverse effect during Year 15 of operation. LCA 3 East Nottinghamshire Sandilands would experience a Slight Adverse effect during construction, Year 1 and Year 15 of operation. LCA 4 Newark would experience a Slight Adverse effect during construction, and No Change during Year 1 and Year 15 of operation. Visual Effects Two receptors (R32 and R40) are predicted to experience a Very Large Adverse effect, two receptors (R34 and R1) are predicted to experience a Large Adverse and eight receptors (R33, R35, R36, R37, R38, R39, R42 and R44) are predicted to experience a Moderate Adverse effect during construction from the Scheme. Two receptors (R40 and R41) are predicted to experience a Large Adverse effect, seven receptors (R32, R34, R36, R38, R39, R42 and R44) are predicted to experience a Slight Adverse effect and three receptors (R33, R35 and R37) are predicted to experience a Neutral effect during Year 1 of operation from the Scheme. One receptor (R40) is predicted to experience a Moderate Adverse effect, four receptors (R32, R38, R39 and R41) are predicted to experience a Slight Adverse effect and seven receptors (R33, R34, R35, R36, R37, R42 and R44) are predicted to experience a Neutral effect during Year 15 of operation from the Scheme. <u>Cumulative residual effects for NUA/E/3 and the Scheme on receptors within the ZOI overlap:</u> Landscape During construction as a result of the Scheme and NAP2A, LCA 1 Trent Washlands would experience a Slight Adverse effect, LCA 2		during Year 15 of operation on LCA 4 Trent Washlands. Visual Temporary Large Adverse effect on two receptors (R32 and R40), Moderate Adverse effect on two receptors (R34 and R41), and Slight Adverse effect on eight receptors (R33, R35, R36, R37, R38, R39, R42 and R44) during construction. Moderate Adverse effect on two receptors (R40 and R41), Slight Adverse effect on three receptors (R33, R35 and R37) and Neutral effect on seven receptors (R32, R34, R36, R38, R39, R42 and R44) during Year 1 of operation. Slight Adverse effect on one receptor (R40), Slight Adverse effect on four receptors (R32, R38, R39 and R41) and Neutral effect on seven receptors (R33, R34, R35, R36, R37, R42 and R44) during Year 15 of operation.

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					Winthorpe Village and Farmlands would experience a Moderate Adverse effect, LCA 3 East Nottinghamshire Sandilands and LCA 4 Newark would experience a Slight Adverse effect. During operation as a result of the Scheme and NAP2A, LCA 1 Trent Washlands would experience a Slight Adverse effect during Year 1 and a Slight Adverse effect during Year 15 of operation. LCA 2 Winthorpe Village and Farmlands would experience a Moderate Adverse effect during Year 1 and a Slight Adverse effect during Year 15 of operation. LCA 3 East Nottinghamshire Sandilands would experience a Slight Adverse effect during Year 1 and 15 of operation. LCA 4 Newark would experience No Change during Year 1 and Year 15 of operation. Visual Effects Two receptors (R32 and R40) are predicted to experience a Large Adverse effect, two receptors (R34 and R41) are predicted to experience a Moderate Adverse effect and eight receptors (R33, R35, R36, R37, R38, R39, R42 and R44) are predicted to experience a Slight Adverse effect during construction within the ZOI overlap as a result of the Scheme and NUA/E/3. Two receptors (R40 and R41) are predicted to experience a Moderate Adverse effect, seven receptors (R32, R34, R36, R38, R39, R42 and R44) are predicted to experience a Slight Adverse effect and three receptors (R33, R35 and R37) are predicted to experience a Neutral effect during Year 1 of operation within the ZOI overlap as a result of the Scheme and NUA/E/3. One receptor (R40) is predicted to experience a Slight Adverse effect, four receptors (R32, R38, R39 and R41) are predicted to experience a Slight Adverse effect and seven receptors (R33, R34, R35, R36, R37, R42 and R44) are predicted to experience a Neutral effect during Year 15 of operation within the ZOI overlap as a result of the Scheme and NUA/E/3.		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
5	3	1	Newark & Sherwood District Council	NUA/Ho/4 (18/02279/OUTM, 22/00426/S73) - Lincoln Road (Yorke Dr and Lincoln Rd Playing Field): Newark & Sherwood District Council - Selective demolition and redevelopment of parts of the existing Yorke Drive Estate and the erection of new mixed tenure housing, community and recreational facilities on the adjoining Lincoln Road Playing Field site, - Development of up to 320 homes	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.4 (NUA/Ho/4 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-080], the entire NUA/Ho/4 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/Ho/4's ZOI would overlap with the Scheme's ZOI. Landscape The Landscape Character Areas that fall within the ZOI overlap are: - LCA 1 Trent Washlands - LCA 2 Winthorpe Village and Farmlands - LCA 3 East Nottinghamshire Sandilands - LCA 4 Newark-on-Trent Visual Effects Thirteen visual receptors (R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40 and R44) fall within the ZOI overlap. <u>Lincoln Road (NUA/Ho/4) residual effects Scheme on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Planning Statement - Illustrative Masterplan The Planning Statement assesses the Illustrative Masterplan and consequent impact on the visual amenity of the development. The Planning Statement concludes that the detailed layout, scale, appearance and landscaping are acceptable in both visual amenity terms and in demonstrating a layout that improves the layout and public realm of the estate which the development is on. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects Scheme on receptors within the ZOI overlap:</u> Landscape As a result of the Scheme, LCA 1 Trent Washlands would experience a Moderate Adverse effect during construction and Year 1 of operation, and a Slight Adverse effect during Year 15 of operation. LCA 2 Winthorpe Village and Farmlands would	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are not materially worse than those effects identified as resulting from the Scheme.	Landscape Slight Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year 15 of operation on LCA 1 Trent Washlands. Moderate Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year 15 of operation on LCA 2 Winthorpe Village and Farmlands. Slight Adverse effect during construction, and Slight Adverse effect during Year 1 and Year 15 of operation of LCA 3 East Nottinghamshire Sandilands. Slight Adverse effect during construction and Year 1 of operation, and No Change during Year 15 of operation on LCA 4 Trent Washlands. Visual Temporary Large Adverse effect on two receptors (R32 and R40), Moderate Adverse effect on one receptor (R34), and Slight Adverse effect on ten receptors (R29, R30, R31, R33, R35, R36, R37, R38, R39 and R44) during construction. Moderate Adverse effect on one receptor (R40), Slight Adverse effect on six receptors (R32, R34, R36, R38, R39 and R44) and Neutral effect on six receptors (R29, R30, R31,

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					experience a Large Adverse effect during construction and Year 1 of operation, and a Moderate Adverse effect during Year 15 of operation. LCA 3 East Nottinghamshire Sandilands would experience a Slight Adverse effect during construction, Year 1 and Year 15 of operation. LCA 4 Newark would experience a Slight Adverse effect during construction, and No Change during Year 1 and Year 15 of operation. Visual Effects Two receptors (R32 and R40) are predicted to experience a Very Large Adverse effect, one receptor (R34) is predicted to experience a Large Adverse and ten receptors (R29, R30, R31, R33, R35, R36, R37, R38, R39 and R44) are predicted to experience a Slight Adverse effect during construction from the Scheme. One receptor (R40) is predicted to experience a Large Adverse effect, six receptors (R32, R34, R36, R38, R39 and R44) are predicted to experience a Slight Adverse effect and six receptors (R29, R30, R31, R33, R35 and R37) are predicted to experience a Neutral effect during Year 1 of operation from the Scheme. One receptor (R40) is predicted to experience a Moderate Adverse effect, three receptors (R32, R38 and R39) are predicted to experience a Slight Adverse effect and nine receptors (R29, R30, R31, R33, R34, R35, R36, R37 and R44) are predicted to experience a Neutral effect during Year 15 of operation from the Scheme. <u>Cumulative residual effects for Lincoln Road and the proposed Scheme on receptors within the ZOI overlap:</u> Landscape During construction as a result of the Scheme and NAP2A, LCA 1 Trent Washlands would experience a Slight Adverse effect, LCA 2 Winthorpe Village and Farmlands would experience a Moderate Adverse effect, LCA 3 East Nottinghamshire Sandilands and LCA 4 Newark would experience a Slight Adverse effect. During operation as a result of the Scheme and NAP2A, LCA 1 Trent Washlands would experience a Slight Adverse effect during Year 1 and a Slight Adverse effect during Year 15. LCA 2 Winthorpe Village and Farmlands would experience a Moderate Adverse effect during Year 1 and a Slight Adverse effect during Year 15. LCA 3 East Nottinghamshire Sandilands would experience a Slight Adverse effect during Year 1 and 15 of operation. LCA 4 Newark would experience No Change during Year 1 and Year 15 of operation.		R33, R35 and R37) during Year 1 of operation. Slight Adverse effect on one receptor (R40), Slight Adverse effect on three receptors (R32, R38 and R39) and Neutral effect on nine receptors (R29, R30, R31, R33, R34, R35, R36, R37 and R44) during Year 15 of operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					Visual Effects Two receptors (R32 and R40) are predicted to experience a Large Adverse effect, one receptor (R34) is predicted to experience a Moderate Adverse and ten receptors (R29, R30, R31, R33, R35, R36, R37, R38, R39 and R44) are predicted to experience a Slight Adverse effect during construction within the ZOI overlap as a result of the Scheme and NUA/Ho/4. One receptor (R40) is predicted to experience a Moderate Adverse effect, six receptors (R32, R34, R36, R38, R39 and R44) are predicted to experience a Slight Adverse effect and six receptors (R29, R30, R31, R33, R35 and R37) are predicted to experience a Neutral effect during Year 1 of operation within the ZOI overlap as a result of the Scheme and NUA/Ho/4. One receptor (R40) is predicted to experience a Slight Adverse effect, three receptors (R32, R38 and R39) are predicted to experience a Slight Adverse effect and nine receptors (R29, R30, R31, R33, R34, R35, R36, R37 and R44) are predicted to experience a Neutral effect during Year 15 of operation from the Scheme.		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
6	3	3	Newark & Sherwood District Council	NUA/MU/1 (20/01219/FULM) - Land North of the A17, Newark: - Employment Site 2 Stephenson Way (12.24ha). - Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.5 (NUA/MU/1 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-080], the entire NUA/MU/1 development falls within the scheme's ZOI. Additionally, the majority of the NUA/MU/1's ZOI would overlap with the Scheme's ZOI. Landscape The Landscape Character Areas that fall within the ZOI overlap are: - LCA 1 Trent Washlands - LCA 2 Winthorpe Village and Farmlands - LCA 3 East Nottinghamshire Sandilands - LCA 4 Newark-on-Trent Visual Effects Seventeen visual receptors (R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51 and R53) fall within the ZOI overlap. <u>NUA/MU/1 residual effects Scheme on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Planning, Design and Access Statement for 20/01219/FULM - Proposed Landscape Plan for 20/01219/FULM Due to the limited information available on the remaining 3.91 hectares for the land plot, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (e.g. employment). The Planning, Design and Access Statement discusses the design of the employment developments to be of high quality, using a modern palette of materials and construction methods. Additionally, the design is suitable for its location with the layout designed for the operation of the final development in mind. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are not materially worse than those effects identified as resulting from the Scheme.	Landscape Slight Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year 15 of operation on LCA 1 Trent Washlands. Moderate Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year 15 of operation on LCA 2 Winthorpe Village and Farmlands. Slight Adverse effect during construction, and Slight Adverse effect during Year 1 and Year 15 of operation of LCA 3 East Nottinghamshire Sandilands. Slight Adverse effect during construction and Year 1 of operation, and No Change during Year 15 of operation on LCA 4 Trent Washlands. Visual Large Adverse effect on one receptor (R40), Moderate Adverse effect on three receptors (R41, R43 and R48), Slight Adverse effect on two receptors (R46 and R50) and Slight Adverse effect on eleven receptors (R36, R37, R38, R39, R42, R44, R45, R47, R49, R51 and R53) during construction. Moderate Adverse effect on two receptors (R40 and R41), Slight Adverse effect on thirteen receptors (R36,

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					<u>Scheme residual effects Scheme on receptors within the ZOI overlap:</u> Landscape As a result of the Scheme, LCA 1 Trent Washlands would experience a Moderate Adverse effect during construction and Year 1 of operation, and a Slight Adverse effect during Year 15 of operation. LCA 2 Winthorpe Village and Farmlands would experience a Large Adverse effect during construction and Year 1 of operation, and a Moderate Adverse effect during Year 15 of operation. LCA 3 East Nottinghamshire Sandilands would experience a Slight Adverse effect during construction, Year 1 and Year 15 of operation. LCA 4 Newark would experience a Slight Adverse effect during construction, and No Change during Year 1 and Year 15 of operation. Visual Effects One receptor (R40) is predicted to experience a Very Large Adverse effect, three receptors (R41, R43 and R48) are predicted to experience a Large Adverse effect, two receptors (R46 and R50) are predicted to experience a Moderate Adverse effect and eleven receptors (R36, R37, R38, R39, R42, R44, R45, R47, R49, R51 and R53) are predicted to experience a Slight Adverse effect during construction from the Scheme. Two receptors (R40 and R41) are predicted to experience a Large Adverse effect, thirteen receptors (R36, R38, R39, R42, R43, R44, R46, R47, R48, R49, R50, R51, R53) are predicted to experience a Slight Adverse effect and two receptors (R37 and R45) are predicted to experience a Neutral effect during Year 1 of operation from the Scheme. One receptor (R40) is predicted to experience a Moderate Adverse effect, five receptors (R38, R39, R41, R49 and R50) are predicted to experience a Slight Adverse effect and ten receptors (R36, R37, R42, R43, R44, R45, R46, R47, R51 and R53) are predicted to experience a Neutral effect and one receptor (R48) is predicted to experience a Slight Beneficial effect during Year 15 of operation from the Scheme. <u>Cumulative residual effects for NUA/MU/1 and the Scheme on receptors within the ZOI overlap:</u> Landscape During construction as a result of the Scheme and NUA/MU/1, LCA 1 Trent Washlands would experience a Slight Adverse effect, LCA 2 Winthorpe Village and Farmlands would experience a Moderate		R38, R39, R42, R43, R44, R46, R47, R48, R49, R50, R51, R53) and Neutral effect on two receptors (R37 and R45) during Year 1 of operation. Slight Adverse effect on one receptor (R40), Slight Adverse effect on five receptors (R38, R39, R41, R49 and R50), Neutral effect on ten receptors (R36, R37, R42, R43, R44, R45, R46, R47, R51 and R53) and Slight Adverse Beneficial effect on one receptor (R48) during Year 15 of operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					Adverse effect, LCA 3 East Nottinghamshire Sandilands and LCA 4 Newark would experience a Slight Adverse effect. During operation as a result of the Scheme and NUA/MU/1, LCA 1 Trent Washlands would experience a Slight Adverse effect during Year 1 and a Slight Adverse effect during Year 15. LCA 2 Winthorpe Village and Farmlands would experience a Moderate Adverse effect during Year 1 and a Slight Adverse effect during Year 15. LCA 3 East Nottinghamshire Sandilands would experience a Slight Adverse effect during Year 1 and 15 of operation. LCA 4 Newark would experience No Change during Year 1 and Year 15 of operation. Visual Effects One receptor (R40) is predicted to experience a Large Adverse effect, three receptors (R41, R43 and R48) are predicted to experience a Moderate Adverse effect, two receptors (R46 and R50) are predicted to experience a Slight Adverse effect and eleven receptors (R36, R37, R38, R39, R42, R44, R45, R47, R49, R51 and R53) are predicted to experience a Slight Adverse effect during construction within the ZOI overlap as a result of the Scheme and NUA/MU/1. Two receptors (R40 and R41) are predicted to experience a Moderate Adverse effect, thirteen receptors (R36, R38, R39, R42, R43, R44, R46, R47, R48, R49, R50, R51, R53) are predicted to experience a Slight Adverse effect and two receptors (R37 and R45) are predicted to experience a Neutral effect during Year 1 of operation within the ZOI overlap as a result of the Scheme and NUA/MU/1. One receptor (R40) is predicted to experience a Slight Adverse effect, five receptors (R38, R39, R41, R49 and R50) are predicted to experience a Slight Adverse effect and ten receptors (R36, R37, R42, R43, R44, R45, R46, R47, R51 and R53) are predicted to experience a Neutral effect and one receptor (R48) is predicted to experience a Slight Adverse Beneficial effect during Year 15 of operation within the ZOI overlap as a result of the Scheme and NUA/MU/1.		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
7	3	3	Newark & Sherwood District Council	NUA/E/2 (20/00309/FULM) - Stephenson Way: - Employment Site 2 Stephenson Way (12.24ha). - Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.6 (NUA/E/2 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-082], the entire NUA/E/2 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/2's ZOI would overlap with the Scheme's ZOI. Landscape The Landscape Character Areas that fall within the ZOI overlap are: - LCA 1 Trent Washlands - LCA 2 Winthorpe Village and Farmlands - LCA 3 East Nottinghamshire Sandilands - LCA 4 Newark-on-Trent Visual Effects Thirteen visual receptors (R33, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45 and R46) fall within the ZOI overlap. <u>NUA/E/2 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Planning, Design and Access Statement for 20/00309/FULM - Application Form for 20/00309/FULM Due to the limited information available for NUA/E/2, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (e.g. employment). The Application Form has assessed that there are no trees and hedges on the development site or on land adjacent to the development site that could influence the development or might be important as part of the local landscape character. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Landscape As a result of the Scheme, LCA 1 Trent Washlands would experience a Moderate Adverse effect during construction and Year 1 of operation, and a Slight Adverse effect during Year 15 of	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are not materially worse than those effects identified as resulting from the Scheme.	Landscape Slight Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year 15 of operation on LCA 1 Trent Washlands. Moderate Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year 15 of operation on LCA 2 Winthorpe Village and Farmlands. Slight Adverse effect during construction, and Slight Adverse effect during Year 1 and Year 15 of operation of LCA 3 East Nottinghamshire Sandilands. Slight Adverse effect during construction and Year 1 of operation, and No Change during Year 15 of operation on LCA 4 Trent Washlands. Visual Large Adverse effect on one receptor (R40), Moderate Adverse effect on two receptors (R41 and R43), Slight Adverse effect on one receptor (R46) and Slight Adverse effect on nine receptors (R33, R35, R36, R37, R38, R39, R42, R44 and R45) during construction. Moderate Adverse effect on two receptors (R40 and R41), Slight Adverse effect on six receptors (R36, R38, R39, R42, R43 and R44) and

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					operation. LCA 2 Winthorpe Village and Farmlands would experience a Large Adverse effect during construction and Year 1 of operation, and a Moderate Adverse effect during Year 15 of operation. LCA 3 East Nottinghamshire Sandilands would experience a Slight Adverse effect during construction, Year 1 and Year 15 of operation. LCA 4 Newark-on-Trent would experience a Slight Adverse effect during construction, and No Change during Year 1 and Year 15 of operation. Visual Effects One receptor (R40) is predicted to experience a Very Large Adverse effect, two receptors (R41 and R43) are predicted to experience a Large Adverse effect, one receptor (R46) are predicted to experience a Moderate Adverse effect and nine receptors (R33, R35, R36, R37, R38, R39, R42, R44 and R45) are predicted to experience a Slight Adverse effect during construction from the Scheme. Two receptors (R40 and R41) are predicted to experience a Large Adverse effect, six receptors (R36, R38, R39, R42, R43 and R44) are predicted to experience a Slight Adverse effect and four receptors (R33, R35, R37 and R45) are predicted to experience a Neutral effect during Year 1 of operation from the Scheme. One receptor (R40) is predicted to experience a Moderate Adverse effect, three receptors (R38, R39 and R41) are predicted to experience a Slight Adverse effect and nine receptors (R33, R35, R36, R37, R42, R43, R44, R45 and R46) are predicted to experience a Neutral effect during Year 15 of operation from the Scheme. <u>Cumulative residual effects for NUA/E/2 and the Scheme on receptors within the ZOI overlap:</u> Landscape During construction as a result of the Scheme and NUA/E/2, LCA 1 Trent Washlands would experience a Slight Adverse effect, LCA 2 Winthorpe Village and Farmlands would experience a Moderate Adverse effect, LCA 3 East Nottinghamshire Sandilands and LCA 4 Newark would experience a Slight Adverse effect. During operation as a result of the Scheme and NUA/E/2, LCA 1 Trent Washlands would experience a Slight Adverse effect during Year 1 and a Slight Adverse effect during Year 15. LCA 2 Winthorpe Village and Farmlands would experience a Moderate Adverse effect during Year 1 and a Slight Adverse effect during Year 15. LCA 3 East Nottinghamshire Sandilands would		Neutral effect on four receptors (R33, R35, R37 and R45) during Year 1 of operation. Slight Adverse effect on one receptor (R40), Slight Adverse effect on three receptors (R38, R39 and R41), Neutral effect on nine receptors (R33, R35, R36, R37, R42, R43, R44, R45 and R46) during Year 15 of operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					experience a Slight Adverse effect during Year 1 and 15 of operation. LCA 4 Newark would experience No Change during Year 1 and Year 15 of operation. Visual Effects One receptor (R40) is predicted to experience a Large Adverse effect, two receptors (R41 and R43) are predicted to experience a Moderate Adverse effect, one receptor (R46) is predicted to experience a Slight Adverse effect and nine receptors (R33, R35, R36, R37, R38, R39, R42, R44 and R45) are predicted to experience a Slight Adverse effect during construction within the ZOI overlap as a result of the Scheme and NUA/E/2. Two receptors (R40 and R41) are predicted to experience a Moderate Adverse effect, six receptors (R36, R38, R39, R42, R43 and R44) are predicted to experience a Slight Adverse effect and four receptors (R33, R35, R37 and R45) are predicted to experience a Neutral effect during Year 1 of operation within the ZOI overlap as a result of the Scheme and NUA/E/2. One receptor (R40) is predicted to experience a Slight Adverse effect, three receptors (R38, R39 and R41) are predicted to experience a Slight Adverse effect and nine receptors (R33, R35, R36, R37, R42, R43, R44, R45 and R46) are predicted to experience a Neutral effect during Year 15 of operation within the ZOI overlap as a result of the Scheme and NUA/E/2.		
11	3	3	Newark & Sherwood District Council	21/02408/FULM: BGO Ark PropCo Limited Erection of 2no. buildings for use within Class B8 (storage and distribution) along with access and servicing arrangements, car parking, landscaping, attenuation pond, and associated works. 15.5ha	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.7 (21/02408/FULM Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-082], the entire 21/02408/FULM development falls within the scheme's ZOI. Additionally, the majority of the 21/02408/FULM's ZOI would overlap with the Scheme's ZOI. Landscape The Landscape Character Areas that fall within the ZOI overlap are: • LCA 2 Winthorpe Village and Farmlands • LCA 3 East Nottinghamshire Sandilands • LCA 4 Newark-on-Trent Visual Effects Six visual receptors (R36, R37, R38, R39, R44 and R45) fall within the ZOI overlap.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Landscape Moderate Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year 15 of operation on LCA 2 Winthorpe Village and Farmlands. Slight Adverse effect during construction, and Slight Adverse effect during Year 1 and Year 15 of operation of LCA 3 East Nottinghamshire Sandilands. Slight Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					<u>Residual effects for the 21/02408/FULM on receptors within the ZOI overlap:</u> Documents available to inform the assessment: • Tree Survey • Landscape and Visual Impact Assessment The Landscape and Visual Impact Assessment produced for the development concludes that the character of the site will undergo permanent change. However, no landscape features or areas with landscape value will be lost and the development will be experienced in the context of existing, similar commercial development, such as Newark Business Park and the Dixons distribution centre. The removal of the site from LCA 4 will not result in major adverse landscape effects on the wider context and visual effects will be contained within a limited area surrounding the site, introducing built form and landscape into local views from Newark Business Park and from open spaces to the west such as Yorke Road playing fields. It has been assumed that the development would have a Slight Adverse effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Landscape As a result of the Scheme, LCA 2 Winthorpe Village and Farmlands would experience a Large Adverse effect during construction and Year 1 of operation, and a Moderate Adverse effect during Year 15 of operation. LCA 3 East Nottinghamshire Sandilands would experience a Slight Adverse effect during construction, Year 1 and Year 15 of operation. LCA 4 Newark would experience a Slight Adverse effect during construction, and No Change during Year 1 and Year 15 of operation. Visual Effects Six receptors (R36, R37, R38, R39, R44 and R45) are predicted to experience a Slight Adverse effect during construction from the Scheme. Four receptors (R36, R38, R39 and R44) are predicted to experience a Slight Adverse effect and two receptors (R37 and R45) are predicted to experience a Neutral effect during Year 1 of operation from the Scheme.		15 of operation on LCA 4 Trent Washlands. Visual Slight Adverse effect on six receptors (R36, R37, R38, R39, R44 and R45) during construction. Slight Adverse effect on four receptors (R36, R38, R39 and R44) and Slight Adverse effect on two receptors (R37 and R45) during Year 1 of operation. Slight Adverse effect on two receptors (R38 and R39) and Neutral effect on four receptors (R36, R37, R44 and R45) during Year 15 of operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					Two receptors (R38 and R39) are predicted to experience a Slight Adverse effect and four receptors (R36, R37, R44 and R45) are predicted to experience a Neutral effect during Year 15 of operation from the Scheme. <u>Cumulative residual effects for 21/02408/FULM and the Scheme on receptors within the ZOI overlap:</u> Landscape As a result of the Scheme, LCA 2 Winthorpe Village and Farmlands would experience a Moderate Adverse effect during construction and Year 1 of operation, and a Slight Adverse effect during Year 15 of operation. LCA 3 East Nottinghamshire Sandilands would experience a Slight Adverse effect during construction, Year 1 and Year 15 of operation. LCA 4 Newark would experience a Slight Adverse effect during construction, and Slight Adverse effect during Year 1 and Year 15 of operation. Visual Effects Six receptors (R36, R37, R38, R39, R44 and R45) are predicted to experience a Slight Adverse effect during construction from the Scheme. Four receptors (R36, R38, R39 and R44) are predicted to experience a Slight Adverse effect and two receptors (R37 and R45) are predicted to experience a Slight Adverse effect during Year 1 of operation from the Scheme. Two receptors (R38 and R39) are predicted to experience a Slight Adverse effect and four receptors (R36, R37, R44 and R45) are predicted to experience a Slight Adverse effect during Year 15 of operation from the Scheme.		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
15	3	3	Newark & Sherwood District Council	NUA/MU/3 (19/00825/FULM) - NSK Factory Northern Road Newark (Retail) (and residual site NUA/MU/3): - Land at NSK factory - Current planning application on part of the site 150 dwellings	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.7 (NUA/MU/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-083], the entire NUA/MU/3 development falls within the scheme's ZOI. Additionally, the majority of the NUA/MU/3's ZOI would overlap with the Scheme's ZOI. Landscape The Landscape Character Areas that fall within the ZOI overlap are: - LCA 1 Trent Washlands - LCA 3 East Nottinghamshire Sandilands - LCA 4 Newark-on-Trent Visual Effects Six visual receptors (R18, R29, R30, R31, R32 and R33) fall within the ZOI overlap. <u>NUA/MU/3 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Application Form for 19/00825/FULM - Planning Statement for 19/00825/FULM Due to the limited information available for NUA/MU/3, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (e.g. employment). The Application Form has assessed that there are no trees and hedges on the development site or on land adjacent to the development site that could influence the development or might be important as part of the local landscape character. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Landscape As a result of the Scheme, LCA 1 Trent Washlands would experience a Moderate Adverse effect during construction and Year 1 of operation, and a Slight Adverse effect during Year 15 of operation. LCA 3 East Nottinghamshire Sandilands would	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are not materially worse than those effects identified as resulting from the Scheme.	Landscape Slight Adverse effect during construction and Year 1 of operation, and Slight Adverse effect during Year 15 of operation on LCA 1 Trent Washlands. Slight Adverse effect during construction, and Slight Adverse effect during Year 1 and Year 15 of operation of LCA 3 East Nottinghamshire Sandilands. Slight Adverse effect during construction and Year 1 of operation, and No Change during Year 15 of operation on LCA 4 Trent Washlands. Visual Large Adverse effect on one receptor (R32) and Slight Adverse effect on five receptors (R18, R29, R30, R31 and R33) during construction. Slight Adverse effect on two receptors (R18 and R32) and Neutral effect on four receptors (R29, R30, R31 and R33) during Year 1 of operation. Slight Adverse effect on two receptors (R18 and R32) and Neutral effect on four receptors (R29, R30, R31 and R33) during Year 15 of operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					experience a Slight Adverse effect during construction, Year 1 and Year 15 of operation. LCA 4 Newark-on-Trent would experience a Slight Adverse effect during construction, and No Change during Year 1 and Year 15 of operation. Visual Effects One receptor (R32) is predicted to experience a Very Large Adverse effect and five receptors (R18, R29, R30, R31 and R33) are predicted to experience a Slight Adverse effect during construction from the Scheme. Two receptors (R18 and R32) are predicted to experience a Slight Adverse effect and four receptors (R29, R30, R31 and R33) are predicted to experience a Neutral effect during Year 1 of operation from the Scheme. Two receptors (R18 and R32) are predicted to experience a Slight Adverse effect and four receptors (R29, R30, R31 and R33) are predicted to experience a Neutral effect during Year 15 of operation from the Scheme. <u>Cumulative residual effects for NUA/MU/3 and the Scheme on receptors within the ZOI overlap:</u> Landscape During construction as a result of the Scheme and NUA/MU/3, LCA 1 Trent Washlands would experience a Slight Adverse effect, LCA 3 East Nottinghamshire Sandilands and LCA 4 Newark would experience a Slight Adverse effect. During operation as a result of the Scheme and NUA/MU/3, LCA 1 Trent Washlands would experience a Slight Adverse effect during Year 1 and a Slight Adverse effect during Year 15 of operation. LCA 3 East Nottinghamshire Sandilands would experience a Slight Adverse effect during Year 1 and 15 of operation. LCA 4 Newark would experience No Change during Year 1 and Year 15 of operation. Visual Effects One receptor (R32) is predicted to experience a Large Adverse effect and five receptors (R18, R29, R30, R31 and R33) are predicted to experience a Slight Adverse effect during construction within the ZOI overlap as a result of the Scheme and NUA/MU/3. Two receptors (R18 and R32) are predicted to experience a Slight Adverse effect and four receptors (R29, R30, R31 and R33) are		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					predicted to experience a Neutral effect during Year 1 of operation within the ZOI overlap as a result of the Scheme and NUA/MU/3. Two receptors (R18 and R32) are predicted to experience a Slight Adverse effect and four receptors (R29, R30, R31 and R33) are predicted to experience a Neutral effect during Year 15 of operation within the ZOI overlap as a result of the Scheme and NUA/MU/3.		
16	2	EN010162 (case reference)	Newark & Sherwood District Council	Elements Green Trent Ltd - Proposal includes installation of solar photovoltaic (PV) panels, on-site energy storage facility, and infrastructure required to connect the scheme into the national grid at Staythorpe substation. - Across 2800 hectares of land northwest of Newark.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.9 (Great North Road Solar Park and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-085], the southeast extent of the Great North Road Solar Park ZOI would overlap with the western extent of the Scheme's ZOI. Additionally, the southeast corner of the Great North Road Solar Park development overlaps with the western extent of the Scheme's ZOI. Landscape The Landscape Character Areas that fall within the ZOI overlap are: - LCA 1 Trent Washlands - LCA 7 Mid-Nottinghamshire Farmlands Visual Effects Nine visual receptors (R26, R27, R28, R56, R57, R58, R59, R60 and R61) fall within the ZOI overlap. <u>Great North Road Solar Park development residual effects on receptors within the ZOI overlap:</u> Documents as part of EN010162 (case reference) are available to inform the assessment: - Environmental Scoping Report The Environmental Scoping Report for this development does not include an assessment of effects associated with landscape. In the absence of effects reported, and due to the scope and type of the	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are not materially worse than those effects identified as resulting from the Scheme.	Landscape Slight Adverse effect during construction, and Slight Adverse effect during Year 1 and Year 15 of operation on LCA 1 Trent Washlands. Neutral effect during construction and Neutral effect during Year 1 and Year 15 of operation for LCA 7 Mid-Nottinghamshire Farmlands. Visual Temporary Slight Adverse effect on three receptors (R59, R60 and R61) during construction. Neutral effect on six receptors (R26, R27, R28, R56, R57, R58) during construction. Neutral effects on nine receptors (R26, R27, R28, R56, R57, R58, R59, R60 and R61) during Year 1 and Year 15 of operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					development proposed as part of the Great North Road Solar Park, it is not anticipated that there would be any additional cumulative effects for those receptors identified in within the ZOI overlap. Therefore, for the purposes of this assessment, it has been assumed that the development would have a Neutral effect for construction and operation. A Landscape and Visual Impact Assessment chapter has been included within the scope for the Environmental Statement for Great North Road Solar Park. There is therefore potential that future detailed assessment for the Great North Road Solar Park development could report adverse effects that are currently unknown and have not been considered as part of this assessment, subsequently changing the residual cumulative effects reported in this assessment. A cumulative assessment of effects on landscape and visual receptors for the Scheme and Great North Road Solar Park should be undertaken as part of the Environmental Statement for the Great North Road Solar Park, taking into account the assessment conclusions reported in this Environmental Statement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Landscape Chapter 7 (Landscape and Visual Effects) of the ES [APP-051] reported a predicted Moderate Adverse effect on LCA 1 Trent Washlands during construction and Year 1 of operation, and a Slight Adverse effect during Year 15 of operation. LCA 7 Mid-Nottinghamshire Farmlands is anticipated to experience a Slight Adverse effect during construction, and a Neutral effect during Year 1 and Year 15 of operation. Visual Effects Appendix 7.2 (Visual Baseline and Impacts Schedule) of the ES Appendices [APP-137] reported a predicted Neutral effect during construction on six receptors (R26, R27, R28, R56, R57 and R58) within the ZOI overlap. Three receptors (R59, R60 and R61) are predicted to experience a Slight Adverse effect during construction from the Scheme. All receptors within the ZOI overlap are predicted to experience a Neutral effect during Year 1 and Year 15 of operation from the Scheme. <u>Cumulative residual effects for Great North Road Solar Park and the Scheme on receptors within the ZOI overlap:</u>		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					Landscape During construction, LCA 1 Trent Washlands would experience a Slight Adverse effect as a result of the Scheme and Great North Road Solar Park. LCA 7 Mid-Nottinghamshire Farmlands would experience a Neutral effect during construction as a result of the Scheme and Great North Road Solar Park. During operation as a result of the Scheme and Great North Road Solar Park, LCA 1 Trent Washlands would experience a Slight Adverse effect during Year 1 and a Slight Adverse effect during Year 15. LCA 7 Mid-Nottinghamshire Farmlands would experience a Neutral effect during Year 1 and Year 15 of operation. Visual Effect For visual effects during construction, a temporary Slight Adverse cumulative effect is expected on three receptors (R59, R60 and R61) within the ZOI overlap as a result of the Scheme and Great North Road Solar Park. For all other visual effects receptors within the ZOI overlap, the cumulative effect during construction is anticipated to be Neutral. All receptors within the ZOI overlap are predicted to experience a Neutral cumulative effect during Year 1 and Year 15 of operation from the Scheme.		
Biodiversity							
2	3	1	Newark & Sherwood District Council	NAP2A (10/01586/OUTM and 14/01978/OUTM) - Land south of Newark: Catesby Estates Ltd Proposal includes the construction of up to 3,150 dwellings, two local centres, a 60-bed care home, a primary school and a commercial estate of up to 50 hectares comprising employment uses and amenity space.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.2 (NAP2A Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-078], approximately half of the NAP2A development and associated ZOIs fall within the Scheme's ZOI. The Scheme and NAP2A's ZOIs overlap with the following biodiversity receptors: - Local Nature Reserve (LNR) - Farndon Ponds and Devon Park Pastures - Local Wildlife Site (LWS) – Dairy Farm Railway Strip, Newark; Newark Trent Grassland; Devon Park, Newark; River Devon (North of Cotham); Devon Nurseries Grassland and Queen's Sconce, Newark <u>NAP2A residual effects on receptors within the ZOI overlap:</u> Documents as part of 10/01586/OUTM and 14/01978/OUTM are available to inform the assessment: - Planning Statement	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Neutral effect during construction and Slight Beneficial effect during operation on the following receptors: - LNR - Farndon Ponds and Devon Park Pastures - LWS – Dairy Farm Railway Strip, Newark; Newark Trent Grassland; Devon Park, Newark; River Devon (North of Cotham); Devon Nurseries Grassland and Queen's Sconce, Newark

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					Environmental Statement An Environmental Statement has been completed for the NAP2A development which states that no impacts are envisaged on the nearest designated and non-designated sites. This is due to the embedded mitigation included in the development to avert or reduce negative effects on habitats and protected/rare species. The Environmental Statement states that overall, it is considered that subject to the implementation of mitigation, there are predicted Slight Beneficial ecology impacts in the long-term. This is due to the adequate accessible natural greenspace within the proposed development, expecting to cause increased visitor numbers to off-site statutory designated sites. This includes the Sites of Interest for Nature Conservation, watercourses, woodland and reedbeds as well as bats, birds, otters and reptiles. A Negligible effect is predicted for water voles and badger. It has been assumed that the development would have a Neutral effect for construction and a Slight Beneficial effect during operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> No effects during construction and operation are anticipated for the LNRs (Farndon Ponds and Devon Park Pastures) and the LWSs (Dairy Farm Railway Strip, Newark; Newark Trent Grassland; Devon Park, Newark; River Devon (North of Cotham); Devon Nurseries Grassland and Queen's Sconce, Newark) as a result of the Scheme. <u>Cumulative residual effects for NAP2A and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the biodiversity receptors as a result of the Scheme and NAP2A is anticipated to be Neutral. During operation, the cumulative effect anticipated on the biodiversity receptors as a result of the Scheme and NAP2A is anticipated to be Slight Beneficial.		
3	3	3	Newark & Sherwood District Council	NUA/E/3 (05/02334/FULM) – Telford Drive Sunbelt Rentals Employment Site 3 Telford Drive (1.4ha)	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.3 (NUA/E/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-079], the entire NUA/E/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/3's ZOI would overlap with the Scheme's ZOI.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Temporary Slight Adverse effect during construction and Neutral effect during operation on the following receptor:

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					The Scheme and NUA/E/3's ZOIs overlap with the following biodiversity receptors: - LWS – Beacon Hill Gypsum Workings, Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway, Trent Banks Wharves, Newark, Newark Grassland, Valley Farm Grassland, Kelham Road Grassland II and Great North Road Grasslands. <u>NUA/E/3 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Application for Planning Permission The Application for Planning Permission has assessed that no protected and priority species, designated sites, important habitats or other biodiversity features, will be adversely affected within the application site or on land adjacent to or near the application site. It has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> The Great North Road Grasslands LWS is expected to experience a Moderate Adverse effect during construction and a Neutral effect during operation as a result of the Scheme. The remaining LWSs reported above are not expected to experience effects during construction and operation as a result of the Scheme. <u>Cumulative residual effects for NUA/E/3 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on Great North Road Grasslands LWS receptor as a result of the Scheme and NUA/E/3 is anticipated to be Slight Adverse. The cumulative effect anticipated on all other biodiversity receptors as a result of the Scheme and NUA/E/3 is anticipated to be Neutral. During operation, the cumulative effect anticipated on all biodiversity receptors as a result of the Scheme and NUA/E/3 is anticipated to be Neutral.	<u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	- Great North Road Grasslands LWS Neutral effect during construction and operation on the following receptors: - LWS – Beacon Hill Gypsum Workings, Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway, Trent Banks Wharves, Newark, Newark Grassland, Valley Farm Grassland, Kelham Road Grassland II.
5	3	1	Newark & Sherwood District Council	NUA/Ho/4 (18/02279/OUTM, 22/00426/S73) - Lincoln Road (Yorke Dr and Lincoln Rd Playing Field):	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.4 (NUA/Ho/4 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-080], the entire NUA/Ho/4 development falls within the	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Temporary Slight Adverse effect during construction and Neutral effect during operation on the following receptor:

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
				Newark & Sherwood District Council - Selective demolition and redevelopment of parts of the existing Yorke Drive Estate and the erection of new mixed tenure housing, community and recreational facilities on the adjoining Lincoln Road Playing Field site, - Development of up to 320 homes	Scheme's ZOI. Additionally, the majority of the NUA/Ho/4's ZOI would overlap with the Scheme's ZOI. The Scheme and NUA/Ho/4's ZOIs overlap with the following biodiversity receptors: - LWS – Beacon Hill Gypsum Workings, Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway, Trent Banks Wharves, Newark, Newark Grassland, Valley Farm Grassland, Kelham Road Grassland II, Great North Road Grasslands, Kelham Road Redoubt Grassland and Dairy Farm Railway Strip, Newark. <u>Lincoln Road (NUA/Ho/4) residual effects on receptors within the ZOI overlap:</u> Documents as part of 18/02279/OUTM and 22/00426/S73 are available to inform the assessment: - Planning Statement - Preliminary Ecological Appraisal A Preliminary Ecological Appraisal has been completed for the Lincoln Road development which states that no impacts are envisaged on the nearest designated and non-designated sites. This is due in part to distance and topographical barriers such as road and rail infrastructure and residential housing and industrial sites. It has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> The Great North Road Grasslands LWS is expected to experience a Moderate Adverse effect during construction and a Neutral effect during operation as a result of the Scheme. The remaining LWSs reported above are not expected to experience effects during construction and operation as a result of the Scheme. <u>Cumulative residual effects for Lincoln Road and Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on LWS Great North Road Grasslands receptor as a result of the Scheme and NUA/Ho/4 is anticipated to be Slight Adverse. The cumulative effect anticipated on all other biodiversity receptors as a result of the Scheme and NUA/Ho/4 is anticipated to be Neutral.	<u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	- Great North Road Grasslands LWS Neutral effect during construction and operation on the following receptors: - LWS – Beacon Hill Gypsum Workings, Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway, Trent Banks Wharves, Newark, Newark Grassland, Valley Farm Grassland, Kelham Road Grassland II, Kelham Road Redoubt Grassland and Dairy Farm Railway Strip, Newark.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					During operation, the cumulative effect anticipated on all biodiversity receptors as a result of the Scheme and NUA/Ho/4 is anticipated to be Neutral.		
6	3	3	Newark & Sherwood District Council	NUA/MU/1 (23/SCR/00005, 17/00461/DISCON, 20/01605/S73) - Land North of the A17, Newark: • Employment Site 2 Stephenson Way (12.24ha). • Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. • Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.5 (NUA/MU/1 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-081], the entire NUA/MU/1 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/1's ZOI would overlap with the Scheme's ZOI. The Scheme and NUA/MU/1's ZOIs overlap with the following biodiversity receptors: • LWS – Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway, Trent Banks Wharves, Newark. <u>NUA/MU/1 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: • Application for Planning Permission for NUA/MU/1 • Extended Phase 1 Habitat Survey for NUA/MU/1 Due to the limited information available on the remaining 3.91 hectares for the land plot, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). The assessment has stated that there are no nearby Statutory sites that could potentially be impacted by the construction of the development. The habitats include ruderals and perennials in recently cleared ground, boundary hedgerows without trees, boundary drain (off site), spoil bund and access track. Therefore, no significant ecological features are present and there is no evidence of any significant locally rare plants or plant communities within or around the site area. The neighbouring sites are likely to support nesting birds. Mitigation for these species will be considered prior to any vegetation clearance. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and Neutral effect for operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> A Slight Adverse effect is anticipated on the Newark Dismantled Railway and Newark (Beet Factory) Dismantled Railway LWSs	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction and Neutral effect during operation on the following receptors: • LWS –Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway Neutral effect during construction and operation on the following receptors: • Trent Banks Wharves, Newark.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					during construction as a result of the Scheme. All other biodiversity receptors are expected to experience no effects during construction. During operation, all biodiversity receptors are expected to experience no effects. <u>Cumulative residual effects for NUA/MU/1 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the Newark Dismantled Railway and Newark (Beet Factory) Dismantled Railway LWSs is expected to be a Slight Adverse effect. The cumulative effect anticipated on all other biodiversity receptors is expected to be Neutral as a result of the Scheme and NUA/MU/1. During operation, all biodiversity receptors as a result of the Scheme and NUA/MU/1 is anticipated to be Neutral.		
7	3	3	Newark & Sherwood District Council	NUA/E/2 (20/00309/FULM) - Stephenson Way: • Employment Site 2 Stephenson Way (12.24ha). • Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. • Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.6 (NUA/E/2 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-082], the entire NUA/E/2 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/2's ZOI would overlap with the Scheme's ZOI. The Scheme and NUA/E/2's ZOIs overlap with the following biodiversity receptors: • LWS – Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway, Trent Banks Wharves, Newark, Newark Grassland. <u>NUA/E/2 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: • Planning, Design and Access Statement for 20/00309/FULM • Application Form for 20/00309/FULM Due to the limited information available for NUA/E/2, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). The Application for Planning Permission has assessed that no protected and priority species, designated sites, important habitats	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction and Neutral effect during operation on the following receptors: • LWS –Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway Neutral effect during construction and operation on the following receptors: • Trent Banks Wharves, Newark.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					or other biodiversity features, will be affected adversely within the application site or on land adjacent to or near the application site. It has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> A Slight Adverse effect is anticipated on the Newark Dismantled Railway and Newark (Beet Factory) Dismantled Railway LWSs during construction as a result of the Scheme. All other biodiversity receptors are expected to experience no effects during construction. During operation, all biodiversity receptors are expected to experience no effects. <u>Cumulative residual effects for NUA/E/2 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the Newark Dismantled Railway and Newark (Beet Factory) Dismantled Railway LWSs is expected to be a Slight Adverse effect. The cumulative effect anticipated on all other biodiversity receptors is expected to be Neutral as a result of the Scheme and NUA/E/2. During operation, all biodiversity receptors as a result of the Scheme and NUA/E/2 is anticipated to be Neutral.		
11	3	3	Newark & Sherwood District Council	21/02408/FULM: BGO Ark PropCo Limited Erection of 2no. buildings for use within Class B8 (storage and distribution) along with access and servicing arrangements, car parking, landscaping, attenuation pond, and associated works. 15.5ha	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.8 (21/02408/FULM Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-084], the entire 21/02408/FULM development falls within the Scheme's ZOI. Additionally, the majority of the 21/02408/FULM's ZOI would overlap with the Scheme's ZOI. The Scheme and 21/02408/FULM's ZOIs overlap with the following biodiversity receptors: LWS – Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway, Trent Banks Wharves, Newark, Newark Grassland. <u>21/02408/FULM residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment:	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction and Neutral effect during operation on the following receptors: LWS – Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway, Neutral effect during construction and operation on the following receptors: Trent Banks Wharves, Newark, Newark Grassland.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					Ecological Assessment The Ecological Assessment concludes that there are no statutory or non-statutory designated sites of nature conservation interest situated within or immediately adjacent to the site boundary, although there is a Local Wildlife Site located in close proximity. Given the separation of the site from any designated sites in the local area, and the adoption of appropriate avoidance and mitigation measures as outlined in their ecological assessment, it is considered that emerging development proposals at the site would not be likely to lead to a significant effect upon designated sites (alone or in-combination with other plans or projects). Therefore, it is concluded that the development is not considered to be of particularly high intrinsic value from an ecology and nature conservation perspective and the emerging development proposals provide an opportunity to benefit ecology. Subject to adoption of measures, it is not considered that there are any overriding constraints to this site coming forward from an ecological perspective. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects within the ZOI overlap:</u> A Slight Adverse effect is anticipated on Newark (Beet Factory) Dismantled LWS and Newark Trent Grassland LWS during construction. The remaining LWSs reported above are not expected to experience effects during construction as a result of the Scheme. During operation, all biodiversity receptors are not expected to experience effects as a result of the scheme. <u>Cumulative residual effects for 21/02408/FULM and the Scheme within the ZOI overlap:</u> During construction, the cumulative effect anticipated on Newark (Beet Factory) Dismantled LWS and Newark Trent Grassland LWS biodiversity receptors as a result of the Scheme and 21/02408/FULM is anticipated to be Negligible. The cumulative effect anticipated on all other biodiversity receptors within the ZOI overlap as a result of the Scheme and 21/02408/FULM is anticipated to be Neutral. During operation, the cumulative effect anticipated on all biodiversity receptors as a result of the Scheme and 21/02408/FULM is anticipated to be Neutral.		

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15	3	3	Newark & Sherwood District Council	NUA/MU/3 (19/00825/FULM) - NSK Factory Northern Road Newark (Retail) (and residual site NUA/MU/3): - Land at NSK factory - Current planning application on part of the site 150 dwellings	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.7 (NUA/MU/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-083], the entire NUA/MU/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/3's ZOI would overlap with the Scheme's ZOI. The Scheme and NUA/MU/3's ZOIs overlap with the following biodiversity receptors: - LWS – Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway, Trent Banks Wharves, Newark, Newark Grassland, Valley Farm Grassland, Kelham Road Grassland II, Great North Road Grasslands, Kelham Road Redoubt Grassland and Dairy Farm Railway Strip, Newark, Devon Park Pastures, Newark and Queens Sconce, Newark. <u>NUA/MU/3 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Application Form for 19/00825/FULM - Planning Statement for 19/00825/FULM Due to the limited information available for NUA/MU/3, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). The Application for Planning Permission has assessed that no protected and priority species, designated sites, important habitats or other biodiversity features, will be affected adversely within the application site or on land adjacent to or near the application site. It has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> The Great North Road Grasslands LWS is expected to experience a Moderate Adverse effect during construction. A Slight Adverse effect is anticipated on Dairy Farm Railway Strip, Newark LWS, Newark (Beet Factory) Dismantled LWS and Newark Trent Grassland LWS during construction. The remaining LWSs reported above are not expected to experience effects during construction and operation as a result of the Scheme.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Temporary Slight Adverse effect during construction and Neutral effect during operation on the following receptor: - Great North Road Grasslands LWS Slight Adverse effect during construction and Neutral effect during operation on the following receptors: - LWS – Newark Dismantled Railway, Newark (Beet Factory) Dismantled Railway, Dairy Farm Railway Strip, Newark Neutral effect during construction and operation on the following receptors: - Trent Banks Wharves, Newark, Newark Grassland, Valley Farm Grassland, Kelham Road Grassland II, Kelham Road Redoubt Grassland, Devon Park Pastures, Newark and Queens Sconce, Newark.

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					<u>Cumulative residual effects for NUA/MU/3 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on LWS Great North Road Grasslands receptor as a result of the Scheme and NUA/MU/3 is anticipated to be Slight Adverse. The cumulative effect anticipated on Dairy Farm Railway Strip, Newark LWS, Newark (Beet Factory) Dismantled LWS and Newark Trent Grassland LWS biodiversity receptors as a result of the Scheme and NUA/MU/3 is anticipated to be Slight Adverse. The cumulative effect anticipated on the remaining biodiversity receptors within the ZOI overlap as a result of the Scheme and NUA/MU/3 is anticipated to be Neutral. During operation, the cumulative effect anticipated on all biodiversity receptors as a result of the Scheme and NUA/MU/3 is anticipated to be Neutral.		
16	2	3	Newark & Sherwood District Council	EN010162 (case reference) Great North Road Solar Park Elements Green Trent Ltd - Proposal includes installation of solar photovoltaic (PV) panels, on-site energy storage facility, and infrastructure required to connect the scheme into the national grid at Staythorpe substation. - Across 2800 hectares of land northwest of Newark.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.9 (Great North Road Solar Park and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-085], the southeast extent of the Great North Road Solar Park ZOI would overlap with the western extent of the Scheme's ZOI. Additionally, the southeast corner of the Great North Road Solar Park development overlaps with the western extent of the Scheme's ZOI. The Scheme and Great North Road Solar Park development ZOIs overlap with the following biodiversity receptors: - LWS – Choulers Gorse, Kelham; Kelham Hills; Ollerton Road Grasslands; Kelham Trent and Island, Kelham Shingle Bank; Spring Wood, Kelham; River Trent, Kelham; Dairy Farm Railway Strip, Newark; South Muskham Travel Pits; Winthorpe Lake; Kelham Pool; The Fleet, South Muskham; Trent West Bank; River Trent, Holme; Old Trent Dyke; Trentside Meadows and Grassland; Long Lane Grassland, Farndon; Gawburn Loop; Farndon Gravel Pit and Marina; Farndon Willow Holt; Trentside Grassland, Rolleston; Staythorpe Drain. <u>Great North Road Solar Park residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Environmental Scoping Report	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are not materially worse than those effects identified as resulting from the Scheme.	Slight Adverse effect during construction and Neutral effect during operation on the following receptors: - Old Trent Dyke LWS - Dairy Farm Railway Strip, Newark LWS Slight Adverse effect during operation on the following receptor: - Spring Wood, Kelham LWS Neutral effect during construction and operation on the following receptors: - LWS – Choulers Gorse, Kelham; Kelham Hills; Ollerton Road Grasslands; Kelham Trent and Island, Kelham Shingle Bank; River Trent, Kelham; South Muskham Travel

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					The Environmental Scoping Report for this development does not include an assessment of effects associated with biodiversity. In the absence of effects reported, and due to the scope and type of the development proposed as part of the Great North Road Solar Park, it is not anticipated that there would be any additional cumulative effects for those receptors identified in within the ZOI overlap. Therefore, for the purposes of this assessment, it has been assumed that the development would have a Neutral effect for construction and operation. An Ecology, Ornithology and Biodiversity chapter has been included within the scope for the Environmental Statement for Great North Road Solar Park. There is therefore potential that future detailed assessment for the Great North Road Solar Park development could report adverse effects that are currently unknown and have not been considered as part of this assessment, subsequently changing the residual cumulative effects reported in this assessment. A cumulative assessment of effects on biodiversity receptors for the Scheme and Great North Road Solar Park should be undertaken as part of the Environmental Statement for the Great North Road Solar Park, taking into account the assessment conclusions reported in this Environmental Statement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Chapter 8 (Biodiversity) of the ES [APP-052] reports an anticipated Slight Adverse effect on Old Trent Dyke LWS and Dairy Farm Railway Strip Newark LWS during construction. A Slight Adverse effect is anticipated on Spring Wood Kelham LWS during operation. The remaining LWSs within the ZOI overlap are not expected to experience effects during construction or operation as a result of the Scheme. <u>Cumulative residual effects for Great North Road Solar Park and the Scheme on receptors within the ZOI overlap:</u> During construction, a Slight Adverse cumulative effect is anticipated on Old Trent Dyke LWS and Dairy Farm Railway Strip Newark LWS as a result of the Scheme and Great North Road Solar Park. The cumulative effect anticipated on the remaining receptors within the ZOI overlap is anticipated to be Neutral during construction. During operation, a Slight Adverse cumulative effect is anticipated on Spring Wood Kelham LWS as a result of the Scheme and Great North Road Solar Park. The cumulative effect anticipated on the		Pits; Winthorpe Lake; Kelham Pool; The Fleet, South Muskham; Trent West Bank; River Trent, Holme; Trentside Meadows and Grassland; Long Lane Grassland, Farndon; Gawburn Loop; Farndon Gravel Pit and Marina; Farndon Willow Holt; Trentside Grassland, Rolleston; Staythorpe Drain.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					remaining receptors within the ZOI overlap is anticipated to be Neutral during operation.		
Geology and Soils							
2	3	1	Newark & Sherwood District Council	NAP2A (10/01586/OUTM and 14/01978/OUTM) - Land south of Newark: Catesby Estates Ltd Proposal includes the construction of up to 3,150 dwellings, two local centres, a 60-bed care home, a primary school and a commercial estate of up to 50 hectares comprising employment uses and amenity space.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.2 (NAP 2A Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-078], the western side of the NAP2A development and associated ZOIs fall within the Scheme's ZOI. ALC Grade 3 and 3a land falls within the ZOI overlap. <u>NAP2A residual effects on receptors within the ZOI overlap:</u> Documents from 10/01586/OUTM and 14/01978/OUTM are available to inform the assessment: Planning Statement An assessment has been carried out which concludes that the anticipated effects of the development in terms of ground conditions and land contamination following mitigation will range from negligible to positive effects of minor to moderate significance. Additionally, the development will directly affect seven farm units which utilise agricultural land within the development. With mitigation in place, it has been predicted that the development would have only a minor impact on local farm holdings in terms of national and local agricultural interests. It has been assumed that the development would have a Slight Adverse effect for construction on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> During construction, the permanent loss of ALC grade 3a is considered to result in a Moderate Adverse effect and ALC grade 3b is considered to result in a Large Adverse effect. <u>Cumulative residual effects for NAP2A and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the ALC Grade 3 and 3a is anticipated to be Moderate Adverse as a result of the Scheme and NAP 2A.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme.	Moderate Adverse effect during construction on ALC Grade 3 and 3a.

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3	3	3	Newark & Sherwood District Council	NUA/E/3 (05/02334/FULM) – Telford Drive Sunbelt Rentals Employment Site 3 Telford Drive (1.4ha)	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.3 (NUA/E/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-079], the entire NUA/E/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/3's ZOI would overlap with the Scheme's ZOI. ALC Grade 3 and 3a land falls within the ZOI overlap. <u>NUA/E/3 residual effects on receptors within the ZOI overlap:</u> Documents for 05/02334/FULM are available to inform the assessment: Application for Planning Permission The Application for Planning Permission has assessed that no features of geological conservation importance will be affected adversely or conserved and enhanced within the application site or on land adjacent to or near the application site. Additionally, the development does not involve the use or storage of Hazardous Substances. The site's land is not known to be contaminated nor is contamination suspected for all or part of the site. The proposed use of the site would not be particularly vulnerable to the presence of contamination. Although the information available is limited for the NUA/E/3 development, it has been assumed that the development would have a Neutral effect based on professional judgement. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> During construction, the permanent loss of ALC grade 3a is considered to result in a Moderate Adverse effect and ALC grade 3b is considered to result in a Large Adverse effect. <u>Cumulative residual effects for NUA/E/3 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the ALC Grade 3 is anticipated to be Slight Adverse and ALC Grade 3a is anticipated to be Moderate Adverse as a result of the Scheme and NUA/E/3.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme.	Slight Adverse effect during construction on ALC Grade 3 and Moderate Adverse effect during construction on ALC Grade 3a.

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5	3	1	Newark & Sherwood District Council	NUA/Ho/4 (18/02279/OUTM, 22/00426/S73) - Lincoln Road (Yorke Dr and Lincoln Rd Playing Field): Newark & Sherwood District Council - Selective demolition and redevelopment of parts of the existing Yorke Drive Estate and the erection of new mixed tenure housing, community and recreational facilities on the adjoining Lincoln Road Playing Field site, - Development of up to 320 homes	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.4 (NUA/Ho/4 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-080], the entire NUA/Ho/4 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/Ho/4's ZOI would overlap with the Scheme's ZOI. ALC Grade 3 and 3a land falls within the ZOI overlap. <u>Lincoln Road (NUA/Ho/4) residual effects on receptors within the ZOI overlap:</u> Documents as part of 18/02279/OUTM and 22/00426/S73 are available to inform the assessment: - Planning Statement - Phase 1 Geo-Environmental Assessment An assessment has been carried out which identifies several potential contaminant sources. Recommendations include a scope of intrusive investigations/targeted soil sampling. The Environmental Health Officer also raised no objection to the application subject to the use of a full phased contamination condition and so the site is considered suitable for its new use. However, due to the desk-based assessment concluding that further surveys are required to gather information, a precautionary approach has been taken. It has been assumed that the development would have a Slight Adverse effect for construction on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> During construction, the permanent loss of ALC grade 3a is considered to result in a Moderate Adverse effect and ALC grade 3b is considered to result in a Large Adverse effect. <u>Cumulative residual effects for Lincoln Road and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the ALC Grade 3 is anticipated to be Slight Adverse and ALC Grade 3a is anticipated to be Moderate Adverse as a result of the Scheme and NUA/Ho/4.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme.	Slight Adverse effect during construction on ALC Grade 3 and Moderate Adverse effect during construction on ALC Grade 3a.

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6	3	3	Newark & Sherwood District Council	NUA/MU/1 (20/01219/FULM) - Land North of the A17, Newark: • Employment Site 2 Stephenson Way (12.24ha). • Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. • Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.5 (NUA/MU/1 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-081], the entire NUA/MU/1 development falls within the scheme's ZOI. Additionally, the majority of the NUA/MU/1's ZOI would overlap with the Scheme's ZOI. ALC Grade 3 and 3a land falls within the ZOI overlap. <u>NUA/MU/1 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: • Application for Planning Permission for 20/01219/FULM • Geo-Environmental Assessment and Remediation Strategy for 20/01219/FULM Due to the limited information available on the remaining 3.91 hectares for the land plot, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). The assessment has stated that, following soil and groundwater sampling, widespread or significant soil and groundwater contamination was not identified. Detectable concentrations of heavy metals, Polycyclic Aromatic Hydrocarbons (PAHs) and Total Petroleum Hydrocarbons (TPHs) were identified at the site, but none were found to exceed their respective Granular Activated Carbon (GAC). In addition, the risk is considered to be mitigated through hardstanding. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> During construction, the permanent loss of ALC grade 3a is considered to result in a Moderate Adverse effect and ALC grade 3b is considered to result in a Large Adverse effect. <u>Cumulative residual effects for NUA/MU/1 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the ALC Grade 3 is anticipated to be Slight Adverse and ALC Grade 3a is anticipated to be Moderate Adverse as a result of the Scheme and NUA/MU/1.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme.	Slight Adverse effect during construction on ALC Grade 3 and Moderate Adverse effect during construction on ALC Grade 3a.

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7	3	3	Newark & Sherwood District Council	NUA/E/2 (20/00309/FULM) - Stephenson Way: - Employment Site 2 Stephenson Way (12.24ha). - Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.6 (NUA/E/2 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-082], the entire NUA/E/2 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/2's ZOI would overlap with the Scheme's ZOI. ALC Grade 3 and 3a land falls within the ZOI overlap. <u>NUA/E/2 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Planning, Design and Access Statement for 20/00309/FULM - Application Form for 20/00309/FULM Due to the limited information available for NUA/E/2, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). It has been assumed that the development would have a Neutral effect for construction on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> During construction, the permanent loss of ALC grade 3a is considered to result in a Moderate Adverse effect and ALC grade 3b is considered to result in a Large Adverse effect. <u>Cumulative residual effects for NUA/E/2 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the ALC Grade 3 is anticipated to be Slight Adverse and ALC Grade 3a is anticipated to be Moderate Adverse as a result of the Scheme and NUA/E/2.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme.	Slight Adverse effect during construction on ALC Grade 3 and Moderate Adverse effect during construction on ALC Grade 3a.

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11	3	3	Newark & Sherwood District Council	21/02408/FULM: BGO Ark PropCo Limited Erection of 2no. buildings for use within Class B8 (storage and distribution) along with access and servicing arrangements, car parking, landscaping, attenuation pond, and associated works. 15.5ha	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.8 (21/02408/FULM Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-084], the entire 21/02408/FULM development falls within the Scheme's ZOI. Additionally, the majority of the 21/02408/FULM's ZOI would overlap with the Scheme's ZOI. ALC Grade 3 and 3a land falls within the ZOI overlap. <u>21/02408/FULM residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: Application Form In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> During construction, the permanent loss of ALC grade 3a is considered to result in a Moderate Adverse effect and ALC grade 3b is considered to result in a Large Adverse effect. <u>Cumulative residual effects for 21/02408/FULM and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the ALC Grade 3 is anticipated to be Slight Adverse and ALC Grade 3a is anticipated to be Moderate Adverse as a result of the Scheme and 21/02408/FULM.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme.	Slight Adverse effect during construction on ALC Grade 3 and Moderate Adverse effect during construction on ALC Grade 3a.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
15	3	3	Newark & Sherwood District Council	NUA/MU/3 (19/00825/FULM) - NSK Factory Northern Road Newark (Retail) (and residual site NUA/MU/3): - Land at NSK factory - Current planning application on part of the site 150 dwellings	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.7 (NUA/MU/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-083], the entire NUA/MU/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/3's ZOI would overlap with the Scheme's ZOI. ALC Grade 3 and 3a land falls within the ZOI overlap. <u>NUA/MU/3 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Application Form for 19/00825/FULM - Planning Statement for 19/00825/FULM Due to the limited information available for NUA/MU/3, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (e.g. employment). In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> During construction, the permanent loss of ALC grade 3a is considered to result in a Moderate Adverse effect and ALC grade 3b is considered to result in a Large Adverse effect. <u>Cumulative residual effects for NUA/MU/3 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the ALC Grade 3 is anticipated to be Slight Adverse and ALC Grade 3a is anticipated to be Moderate Adverse as a result of the Scheme and NUA/MU/3.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme.	Slight Adverse effect during construction on ALC Grade 3 and Moderate Adverse effect during construction on ALC Grade 3a.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
16	2	3	Newark & Sherwood District Council	EN010162 (case reference) Great North Road Solar Park Elements Green Trent Ltd - Proposal includes installation of solar photovoltaic (PV) panels, on-site energy storage facility, and infrastructure required to connect the scheme into the national grid at Staythorpe substation. - Across 2800 hectares of land northwest of Newark.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.9 (Great North Road Solar Park and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-085], a small section of the southeast extent of the Great North Road Solar Park ZOI would overlap with the western extent of the Scheme's ZOI. Additionally, a section of the southeast corner of the Great North Road Solar Park development overlaps with the western extent of the Scheme's ZOI. ALC Grade 2, 3a and 3b land falls within the ZOI overlap. <u>Great North Road Solar Park residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: Environmental Scoping Report The Environmental Scoping Report for this development does not include an assessment of effects associated with geology and soils. In the absence of effects reported, and due to the scope and type of the development proposed as part of the Great North Road Solar Park, it is not anticipated that there would be any additional cumulative effects for those receptors identified in within the ZOI overlap. Therefore, for the purposes of this assessment, it has been assumed that the development would have a Neutral effect for construction and operation. A Hydrology, Hydrogeology, Flood Risk and Ground Conditions chapter has been included within the scope for the Environmental Statement for Great North Road Solar Park. There is therefore potential that future detailed assessment for the Great North Road Solar Park development could report adverse effects that are currently unknown and have not been considered as part of this assessment, subsequently changing the residual cumulative effects reported in this assessment. A cumulative assessment of effects on geology and soil receptors for the Scheme and Great North Road Solar Park should be undertaken as part of the Environmental Statement for the Great North Road Solar Park, taking into account the assessment conclusions reported in this Environmental Statement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Chapter 9 (Geology and Soils) of the ES [REP3-009] reports that during construction, the permanent loss of ALC Grade 2 land within the ZOI overlap is anticipated to result in a Moderate Adverse effect. The loss of ALC Grade 3a and 3b land within the ZOI	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are not materially worse than those effects identified as resulting from the Scheme.	Slight Adverse effect during construction on ALC Grade 2, 3a and 3b land. Slight Adverse effect during operation on ALC Grade 2, 3a and 3b land.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					overlap is anticipated to result in a Slight Adverse effect during construction. During operation, the loss of ALC Grade 2, 3a and 3b land within the ZOI overlap is anticipated to result in a Slight Adverse effect. <u>Cumulative residual effects for Great North Road Solar Park and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on the ALC Grade 2 is anticipated to be Slight Adverse from the Scheme and Great North Road Solar Park. The cumulative effect on ALC Grade 3a and 3b land is anticipated to be Slight Adverse during construction. During operation, the cumulative effect anticipated on the ALC Grade 2, 3a and 3b land within the ZOI overlap is anticipated to result in a Slight Adverse effect.		
Material Assets and Waste							
2	3	1	Newark & Sherwood District Council	NAP2A (10/01586/OUTM and 14/01978/OUTM) - Land south of Newark: Catesby Estates Ltd Proposal includes the construction of up to 3,150 dwellings, two local centres, a 60-bed care home, a primary school and a commercial estate of up to 50 hectares comprising employment uses and amenity space.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.2 (NAP 2A Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-078], the western side of the NAP2A development and associated ZOIs fall within the Scheme's ZOIs. No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction). <u>Cumulative residual effects for NAP2A and the Scheme on receptors within the ZOI overlap:</u> No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
3	3	3	Newark & Sherwood District Council	NUA/E/3 (05/02334/FULM) – Telford Drive: Sunbelt Rentals Employment Site 3 Telford Drive (1.4ha)	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.3 (NUA/E/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-079], the entire NUA/E/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/3's ZOI would overlap with the Scheme's ZOI. No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction). <u>Cumulative residual effects for NUA/E/3 and the Scheme on receptors within the ZOI overlap:</u> No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.
5	3	1	Newark & Sherwood District Council	NUA/Ho/4 (18/02279/OUTM, 22/00426/S73) - Lincoln Road (Yorke Dr and Lincoln Rd Playing Field): Newark & Sherwood District Council - Selective demolition and redevelopment of parts of the existing Yorke Drive Estate and the erection of new mixed tenure housing, community and recreational facilities on the adjoining Lincoln Road Playing Field site, - Development of up to 320 homes	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.4 (NUA/Ho/4 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-080], the entire NUA/Ho/4 development falls within the scheme's ZOI. Additionally, the majority of the NUA/Ho/4's ZOI would overlap with the Scheme's ZOI. No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction). <u>Cumulative residual effects for Lincoln Road and the Scheme on receptors within the ZOI overlap:</u> No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
6	3	3	Newark & Sherwood District Council	NUA/MU/1 (20/01219/FULM) - Land North of the A17, Newark: - Employment Site 2 Stephenson Way (12.24ha). - Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.5 (NUA/MU/1 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-081], the entire NUA/MU/1 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/1's ZOI would overlap with the Scheme's ZOI. No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction). <u>Cumulative residual effects for NUA/MU/1 and the Scheme on receptors within the ZOI overlap:</u> No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.
7	3	3	Newark & Sherwood District Council	NUA/E/2 (20/00309/FULM) - Stephenson Way: - Employment Site 2 Stephenson Way (12.24ha). - Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.6 (NUA/E/2 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-082], the entire NUA/E/2 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/2's ZOI would overlap with the Scheme's ZOI. No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction). <u>Cumulative residual effects for NUA/E/2 and the Scheme on receptors within the ZOI overlap:</u> No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.
11	3	3	Newark & Sherwood District Council	21/02408/FULM: BGO Ark PropCo Limited Erection of 2no. buildings for use within Class B8 (storage and distribution) along with access and servicing arrangements, car parking, landscaping, attenuation pond, and associated works. 15.5ha	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.8 (21/02408/FULM Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-084], the entire 21/02408/FULM development falls within the Scheme's ZOI. Additionally, the majority of the 21/02408/FULM's ZOI would overlap with the Scheme's ZOI. No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction). <u>Cumulative residual effects for 21/02408/FULM and the Scheme on receptors within the ZOI overlap:</u>	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction), and as such there are no cumulative effects to report.		
15	3	3	Newark & Sherwood District Council	NUA/MU/3 (19/00825/FULM) - NSK Factory Northern Road Newark (Retail) (and residual site NUA/MU/3): - Land at NSK factory - Current planning application on part of the site 150 dwellings	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.7 (NUA/MU/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-083], the entire NUA/MU/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/3's ZOI would overlap with the Scheme's ZOI. No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction). <u>Cumulative residual effects for NUA/MU/3 and the Scheme on receptors within the ZOI overlap:</u> No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.
16	2	3	Newark & Sherwood District Council	EN010162 (case reference) Great North Road Solar Park Elements Green Trent Ltd - Proposal includes installation of solar photovoltaic (PV) panels, on-site energy storage facility, and infrastructure required to connect the scheme into the national grid at Staythorpe substation. - Across 2800 hectares of land northwest of Newark.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.9 (Great North Road Solar Park and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-084], a small section of the southeast extent of the Great North Road Solar Park ZOI would overlap with the western extent of the Scheme's ZOI. Additionally, a section of the southeast corner of the Great North Road Solar Park development overlaps with the western extent of the Scheme's ZOI. No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction). <u>Cumulative residual effects for Great North Road Solar Park and the Scheme on receptors within the ZOI overlap:</u> No individual waste receptors and resources fall within the ZOI overlap for material assets and waste (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.
Noise and Vibration							

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
2	3	1	Newark & Sherwood District Council	NAP2A (10/01586/OUTM and 14/01978/OUTM) - Land south of Newark: Catesby Estates Ltd Proposal includes the construction of up to 3,150 dwellings, two local centres, a 60-bed care home, a primary school and a commercial estate of up to 50 hectares comprising employment uses and amenity space.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.2 (NAP 2A Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-078], the western side of the NAP2A development and associated ZOIs fall within the Scheme's ZOI. No individual noise and vibration receptors and resources fall within the ZOI overlap for noise and vibration (construction). <u>Cumulative residual effects for NAP2A and the Scheme on receptors within the ZOI overlap:</u> No individual noise and vibration receptors fall within the ZOI overlap for noise and vibration (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.
3	3	3	Newark & Sherwood District Council	NUA/E/3 (05/02334/FULM) – Telford Drive: Sunbelt Rentals Employment Site 3 Telford Drive (1.4ha)	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.3 (NUA/E/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-079], the entire NUA/E/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/3's ZOI would overlap with the Scheme's ZOI. No individual noise and vibration receptors and resources fall within the ZOI overlap for noise and vibration (construction). <u>Cumulative residual effects for NUA/E/3 and the Scheme on receptors within the ZOI overlap:</u> No individual noise and vibration receptors fall within the ZOI overlap for noise and vibration (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
6	3	3	Newark & Sherwood District Council	NUA/MU/1 (20/01219/FULM) - Land North of the A17, Newark: • Employment Site 2 Stephenson Way (12.24ha). • Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. • Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.5 (NUA/MU/1 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-081], the entire NUA/MU/1 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/1's ZOI would overlap with the Scheme's ZOI. One individual noise and vibration receptor (125965), as shown in Figure 11.1 (Construction Noise Assessment Locations) of the ES Figures [AS-055] falls within the ZOI overlap for noise and vibration (construction). <u>NUA/MU/1 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: • Application for Planning Permission for 20/01219/FULM Due to the limited information available on the remaining 3.91 hectares for the land plot, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). The Application for Planning Permission and accompanying environmental documents have not mentioned any adverse effects on noise and vibration. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction on the receptor within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> The receptor will experience a Minor or Negligible impact during construction and so will not experience Significant Adverse effects as a result of the Scheme. <u>Cumulative residual effects for NUA/MU/1 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on receptor 125965 as a result of the Scheme and NUA/MU/1 is anticipated to be Slight Adverse.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction on Receptor 125965

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
7	3	3	Newark & Sherwood District Council	NUA/E/2 (20/00309/FULM) - Stephenson Way: - Employment Site 2 Stephenson Way (12.24ha). - Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.6 (NUA/E/2 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-082], the entire NUA/MU/1 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/1's ZOI would overlap with the Scheme's ZOI. One individual noise and vibration receptor (125965), as shown in Figure 11.11 (Construction Noise Assessment Locations) of the ES Figures [AS-065] falls within the ZOI overlap for noise and vibration (construction). <u>NUA/E/2 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: Application for Planning Permission Due to the limited information available on NUA/E/2, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). The Application for Planning Permission and accompanying environmental documents have not mentioned any adverse effects on noise and vibration. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction on the receptor within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> The receptor will experience a Minor or Negligible impact during construction and so will not experience Significant Adverse effects as a result of the Scheme. <u>Cumulative residual effects for NUA/E/2 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on receptor 125965 as a result of the Scheme and NUA/E/2 is anticipated to be Slight Adverse.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction on Receptor 125965.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
11	3	3	Newark & Sherwood District Council	21/02408/FULM: BGO Ark PropCo Limited Erection of 2no. buildings for use within Class B8 (storage and distribution) along with access and servicing arrangements, car parking, landscaping, attenuation pond, and associated works. 15.5ha	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.8 (21/02408/FULM Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-084], the entire 21/02408/FULM development falls within the Scheme's ZOI. Additionally, the majority of the 21/02408/FULM's ZOI would overlap with the Scheme's ZOI. No individual noise and vibration receptors and resources fall within the ZOI overlap for noise and vibration (construction). <u>Cumulative residual effects for 21/02408/FULM and the Scheme on receptors within the ZOI overlap:</u> No individual noise and vibration receptors fall within the ZOI overlap for noise and vibration (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
15	3	3	Newark & Sherwood District Council	NUA/MU/3 (19/00825/FULM) - NSK Factory Northern Road Newark (Retail) (and residual site NUA/MU/3): - Land at NSK factory - Current planning application on part of the site 150 dwellings	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.7 (NUA/MU/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-083], the entire NUA/MU/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/3's ZOI would overlap with the Scheme's ZOI. No individual noise and vibration receptors and resources fall within the ZOI overlap for noise and vibration (construction). <u>Cumulative residual effects for NUA/MU/3 and the Scheme on receptors within the ZOI overlap:</u> No individual noise and vibration receptors fall within the ZOI overlap for noise and vibration (construction), and as such there are no cumulative effects to report.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	No cumulative effects are anticipated.
16	2	3	Newark & Sherwood District Council	EN010162 (case reference) Great North Road Solar Park Elements Green Trent Ltd - Proposal includes installation of solar photovoltaic (PV) panels, on-site energy storage facility, and infrastructure required to connect the scheme into the national grid at Staythorpe substation. - Across 2800 hectares of land northwest of Newark.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.9 (Great North Road Solar Park and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-085], a small section of the southeast extent of the Great North Road Solar Park ZOI would overlap with the western extent of the Scheme's ZOI. One individual noise and vibration receptor (101467), as shown in Figure 11.11 (Construction Noise Assessment Locations) of the ES Figures [AS-065] falls within the ZOI overlap for noise and vibration. <u>Great North Road Solar Park residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: Environmental Scoping Assessment The Environmental Scoping Report for this development does not include an assessment of effects associated with noise and vibration. In the absence of effects reported, and due to the scope and type of the development proposed as part of the Great North Road Solar Park, it is not anticipated that there would be any additional cumulative effects for those receptors identified in within the ZOI overlap. Therefore, for the purposes of this assessment, it has been assumed that the development would have a Neutral effect for construction and operation. A Noise chapter has been included within the scope for the Environmental Statement for Great North Road Solar Park. There is therefore potential that future detailed assessment for the Great North Road Solar Park development could report adverse effects	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction on receptor 101467. No cumulative effects are anticipated during operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					that are currently unknown and have not been considered as part of this assessment, subsequently changing the residual cumulative effects reported in this assessment. A cumulative assessment of effects on noise and vibration receptors for the Scheme and Great North Road Solar Park should be undertaken as part of the Environmental Statement for the Great North Road Solar Park, taking into account the assessment conclusions reported in this Environmental Statement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Chapter 11 (Noise and Vibration) of the ES [APP-055] reported an anticipated Minor or Negligible impact on the receptor during construction. The receptor is therefore not anticipated to experience Significant Adverse effects as a result of the construction phase of the Scheme. No significant noise effects are anticipated on the receptor during the operational phase of the Scheme. <u>Cumulative residual effects for Great North Road Solar Park and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on receptor 101467 as a result of the Scheme and Great North Road Solar Park is anticipated to be Slight Adverse. During operation, no cumulative effects are anticipated on receptor 101467 as a result of the Scheme and Great North Road Solar Park.		
Population and Human Health							
2	3	1	Newark & Sherwood District Council	NAP2A (10/01586/OUTM and 14/01978/OUTM) - Land south of Newark: Catesby Estates Ltd Proposal includes the construction of up to 3,150 dwellings, two local centres, a 60-bed care home, a primary school and a commercial estate of up to 50 hectares comprising	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.2 (NAP 2A Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-078], approximately half of the NAP2A development and associated ZOIs fall within the Scheme's ZOI. The Scheme and NAP2A's ZOI overlap with the following human health receptors: - Farndon Recreation Ground - The Red Rose Care Community Nursing Home, Brockton Avenue - The Farndon Unit, Farndon Road - Sconce and Devon Park, Boundary Road - Country Kids Day Nursery - Lord Ted Pub and Carvery, Farndon Road	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no cumulative effects are predicted.	Slight Adverse effect during construction and Neutral effect during operation on all receptors.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
				employment uses and amenity space.	<u>NAP2A residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: • Application for Planning Permission • Consultee Comment from Ramblers Overall, the development is predicted to result in a beneficial effect on the local area and wider community and new residents by providing the principal location to accommodate the accelerated housing and employment growth required in Newark-on-Trent as a result of the Town's New Growth Point status and offering significant social and economic benefits. It has been assumed that the development would have a Neutral effect for construction and Slight Beneficial effect during operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> As a result of the Scheme, all receptors are expected to experience a Slight Adverse effect during construction and a Neutral effect during operation. <u>Cumulative residual effects for NAP2A and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on all receptors as a result of the Scheme and NAP2A is anticipated to be a Slight Adverse effect. During operation, the cumulative effect anticipated on all human health receptors as a result of the Scheme and NAP2A is anticipated to be a Neutral.		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
3	3	3	Newark & Sherwood District Council	NUA/E/3 (05/02334/FULM) – Telford Drive: Sunbelt Rentals Employment Site 3 Telford Drive (1.4ha)	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.3 (NUA/E/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-079], the entire NUA/E/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/3's ZOI would overlap with the Scheme's ZOI. The Scheme and NUA/E/3's ZOI overlap with the following population and human health receptors: - National Cycle Network 64 - Trent Valley Way along Winthorpe Road The Scheme and NUA/E/3's ZOI overlap with the following human health receptors: - Cedar Avenue Park - Lincoln Road Play Park - St Leonard's Church - Bridge Children's Centre - Lincoln Road Sports Ground - Play area near Wheatsheaf Avenue - Newark Recycling Centre - Fosse Way CrossFit - Church of Promise 776 Gymnastics Academy, Newark <u>NUA/E/3 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Application for Planning Permission - Consultee Comment from Ramblers In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> As a result of the Scheme, National Cycle Network 64 and Trent Valley Way along Winthorpe Road receptors are expected to experience a Slight Adverse effect during construction. The human health receptors are expected to experience a Neutral effect during operation. A Moderate Adverse effect during operation on National Cycle Network 64 and Trent Valley Way along Winthorpe Road due to the	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road. Neutral effect on all human health receptors during construction. Slight Adverse effect on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road and a Neutral effect on all human health receptors during operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					diversion. The human health receptors are expected to experience a Neutral effect during operation. <u>Cumulative residual effects for NUA/E/3 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and NUA/E/3 is anticipated to be a Slight Adverse effect. The cumulative effect anticipated on all human health receptors as a result of the Scheme and NUA/E/3 is anticipated to be a Neutral. During operation, the cumulative effect anticipated on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and NUA/E/3 is anticipated to be Slight Adverse. The cumulative effect anticipated on all human health receptors as a result of the Scheme and NUA/E/3 is anticipated to be a Neutral.		
5	3	1	Newark & Sherwood District Council	NUA/Ho/4 (18/02279/OUTM, 22/00426/S73) - Lincoln Road (Yorke Dr and Lincoln Rd Playing Field): Newark & Sherwood District Council - Selective demolition and redevelopment of parts of the existing Yorke Drive Estate and the erection of new mixed tenure housing, community and recreational facilities on the adjoining Lincoln Road Playing Field site, - Development of up to 320 homes	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.4 (NUA/Ho/4 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-080], the entire NUA/Ho/4 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/Ho/4's ZOI would overlap with the Scheme's ZOI. The Scheme and NUA/Ho/4's ZOI overlap with the following population receptors: - National Cycle Network 64 - Trent Valley Way along Winthorpe Road The Scheme and NUA/Ho/4's ZOI overlap with the following human health receptors: - Cedar Avenue Park - Lincoln Road Play Park - St Leonard's Church - Bridge Children's Centre - Lincoln Road Sports Ground - Play area near Wheatsheaf Avenue - Newark Recycling Centre - Fosse Way CrossFit - Sports Direct Fitness Club - The Jolly Jungle Playland - Serendipity's Day Nursery Newark - Fleming Drive Play Area 776 Gymnastics Academy Newark	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road. Neutral effect on all human health receptors during construction. Slight Adverse effect on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road and a Neutral effect on all human health receptors during operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					- Robin Hood Entertainment and Soft Play <u>Lincoln Road (NUA/Ho/4) residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Planning Statement In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> As a result of the Scheme, National Cycle Network 64 and Trent Valley Way along Winthorpe Road receptors are expected to experience a Slight Adverse effect during construction. The human health receptors are expected to experience a Neutral effect during operation. A Moderate Adverse effect during operation on National Cycle Network 64 and Trent Valley Way along Winthorpe Road due to the diversion. The human health receptors are expected to experience a Neutral effect during operation. <u>Cumulative residual effects for Lincoln Road and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and NUA/Ho/4 is anticipated to be a Slight Adverse effect. The cumulative effect anticipated on all human health receptors as a result of the Scheme and NUA/Ho/4 is anticipated to be a Neutral. During operation, the cumulative effect anticipated on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and NUA/Ho/4 is anticipated to be Slight Adverse. The cumulative effect anticipated on all human health receptors as a result of the Scheme and NUA/Ho/4 is anticipated to be a Neutral.		
6	3	3	Newark & Sherwood District Council	NUA/MU/1 (20/01219/FULM) - Land North of the A17, Newark: Employment Site 2 Stephenson Way (12.24ha).	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.5 (NUA/MU/1 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-080], the entire NUA/MU/1 development falls within the Scheme's ZOI. Additionally, the	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road. Neutral effect on all

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
				- Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	majority of the NUA/MU/1's ZOI would overlap with the Scheme's ZOI. The Scheme and NUA/MU/1's ZOI overlap with the following population receptors: - National Cycle Network 64 - Trent Valley Way along Winthorpe Road The Scheme and NUA/MU/1's ZOI overlap with the following human health receptors: - Newark Recycling Centre - Fosse Way CrossFit - Newark-on-Trent Showground, Lincoln Road - Newark Golf Centre - Newark-on-Trent Indoor Bowls Centre, Lincoln Road - All Saints' Church Winthorpe, Gainsborough Road <u>NUA/MU/1 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Application for Planning Permission for 20/01219/FULM - Comments from NCC Rights of Way Officer for 20/01219/FULM - Proposed Bridleway Diversion Plan for 20/01219/FULM Due to the limited information available on the remaining 3.91 hectares for the land plot, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on all receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> As a result of the Scheme, National Cycle Network 64 and Trent Valley Way along Winthorpe Road receptors are expected to experience a Slight Adverse effect during construction. The human health receptors are expected to experience a Neutral effect during operation. A Moderate Adverse effect during operation on National Cycle Network 64 and Trent Valley Way along Winthorpe Road due to the diversion. The human health receptors are expected to experience a Neutral effect during operation. <u>Cumulative residual effects for NUA/MU/1 and the Scheme on receptors within the ZOI overlap:</u>	<u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	human health receptors during construction. Slight Adverse effect on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road and a Neutral effect on all human health receptors during operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					During construction, the cumulative effect anticipated on National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and NUA/MU/1 is anticipated to be a Slight Adverse effect. The cumulative effect anticipated on all human health receptors as a result of the Scheme and NUA/MU/1 is anticipated to be a Neutral. During operation, the cumulative effect anticipated on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and NUA/MU/1 is anticipated to be Slight Adverse. The cumulative effect anticipated on all human health receptors as a result of the Scheme and NUA/MU/1 is anticipated to be a Neutral.		
7	3	3	Newark & Sherwood District Council	NUA/E/2 (20/00309/FULM) - Stephenson Way: • Employment Site 2 Stephenson Way (12.24ha). • Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. • Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.6 (NUA/E/2 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-082], the entire NUA/E/2 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/2's ZOI would overlap with the Scheme's ZOI. The Scheme and NUA/E/2's ZOI overlap with the following population receptors: • National Cycle Network 64 • Trent Valley Way along Winthorpe Road The Scheme and NUA/E/2's ZOI overlap with the following human health receptors: • Cedar Avenue Park • Lincoln Road Play Park • St Leonard's Church • Bridge Children's Centre • Lincoln Road Sports Ground • Play area near Wheatsheaf Avenue • Newark Recycling Centre <u>NUA/E/2 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: • Planning, Design and Access Statement for 20/00309/FULM • Application Form for 20/00309/FULM Due to the limited information available on NUA/E/2, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment).	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road. Neutral effect on all human health receptors during construction. Slight Adverse effect on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road and a Neutral effect on all human health receptors during operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					A high-level assessment has been carried out on the development regarding population and human health. There is a new or altered vehicular access and pedestrian access proposed to or from the public highway. However, new public roads are provided within the site, no new public rights of way are provided within or adjacent to the site and the development does not require any diversions/extinguishments and/or creation of rights of way. The development will not involve the loss, gain or change of use of non-residential floorspace. Development in the remaining land is not expected to result in further diversion of the bridleway. NUA/E/2 has been reserved for employment so it is expected that further development on this land will create employment, similar to the neighbouring units that have already been built. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> As a result of the Scheme, National Cycle Network 64 and Trent Valley Way along Winthorpe Road receptors are expected to experience a Slight Adverse effect during construction. The human health receptors are expected to experience a Neutral effect during operation. A Moderate Adverse effect during operation on National Cycle Network 64 and Trent Valley Way along Winthorpe Road due to the diversion. The human health receptors are expected to experience a Neutral effect during operation. <u>Cumulative residual effects for NUA/E/2 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and NUA/E/2 is anticipated to be a Slight Adverse effect. The cumulative effect anticipated on all human health receptors as a result of the Scheme and NUA/E/2 is anticipated to be a Neutral. During operation, the cumulative effect anticipated on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and NUA/E/2 is anticipated to be Slight Adverse. The cumulative effect anticipated on all human health receptors as a result of the Scheme and NUA/E/2 is anticipated to be a Neutral.		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
11	3	3	Newark & Sherwood District Council	21/02408/FULM: BGO Ark PropCo Limited Erection of 2no. buildings for use within Class B8 (storage and distribution) along with access and servicing arrangements, car parking, landscaping, attenuation pond, and associated works. 15.5ha	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.8 (21/02408/FULM Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES [AS-084], the entire 21/02408/FULM development falls within the Scheme's ZOI. Additionally, the majority of the 21/02408/FULM's ZOI would overlap with the Scheme's ZOI. The Scheme and 21/02408/FULM's ZOI overlap with the following population receptors: - National Cycle Network 64 - Trent Valley Way along Winthorpe Road The Scheme and 21/02408/FULM's ZOI overlap with the following human health receptors: - Cedar Avenue Park - Lincoln Road Play Park - St Leonard's Church - Bridge Children's Centre - Lincoln Road Sports Ground - Play area near Wheatsheaf Avenue - Newark Recycling Centre <u>21/02408/FULM residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Application Form A high-level assessment has been carried out in the Application Form regarding population and human health. A new or altered vehicular access or pedestrian access is proposed to or from the public highway. However, no new public roads are provided within the site, no new public rights of way are provided within or adjacent to the site and the proposals do not require any diversions/extinguishments and/or creation of rights of way. The development will not involve the loss, gain or change of use of non-residential floorspace. The development will also increase the number of employees, creating employment growth and stimulating economic investment in the area. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u>	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road. Neutral effect on all human health receptors during construction. Slight Adverse effect on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road and a Neutral effect on all human health receptors during operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					As a result of the Scheme, National Cycle Network 64 and Trent Valley Way along Winthorpe Road receptors are expected to experience a Slight Adverse effect during construction. The human health receptors are expected to experience a Neutral effect during operation. A Moderate Adverse effect during operation on National Cycle Network 64 and Trent Valley Way along Winthorpe Road due to the diversion. The human health receptors are expected to experience a Neutral effect during operation. <u>Cumulative residual effects for 21/02408/FULM and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and 21/02408/FULM is anticipated to be a Slight Adverse effect. The cumulative effect anticipated on all human health receptors as a result of the Scheme and 21/02408/FULM is anticipated to be a Neutral. During operation, the cumulative effect anticipated on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and 21/02408/FULM is anticipated to be Slight Adverse. The cumulative effect anticipated on all human health receptors as a result of the Scheme and 21/02408/FULM is anticipated to be a Neutral.		
15	3	3	Newark & Sherwood District Council	NUA/MU/3 (19/00825/FULM) - NSK Factory Northern Road Newark (Retail) (and residual site NUA/MU/3): - Land at NSK factory - Current planning application on part of the site 150 dwellings	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.7 (NUA/MU/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-083], the entire NUA/MU/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/3's ZOI would overlap with the Scheme's ZOI. The Scheme and NUA/MU/3's ZOI overlap with the following population receptors: - National Cycle Network 64 - Trent Valley Way along Winthorpe Road The Scheme and NUA/MU/3's ZOI overlap with the following human health receptors: - Cedar Avenue Park - Lincoln Road Play Park - St Leonard's Church - Bridge Children's Centre - Lincoln Road Sports Ground	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road. Neutral effect on all human health receptors during construction. Slight Adverse effect on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road and a Neutral effect on all human health receptors during operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					• Play area near Wheatsheaf Avenue • Newark Recycling Centre • Fosse Way CrossFit • Sports Direct Fitness Club • The Jolly Jungle Playland • Serendipity's Day Nursery Newark • Fleming Drive Play Area • 776 Gymnastics Academy Newark • Robin Hood Entertainment and Soft Play <u>NUA/MU/3 residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: • Application Form for 19/00825/FULM • Planning Statement for 19/00825/FULM Due to the limited information available for NUA/MU/3, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). A high-level assessment has been carried out in the neighbouring development's Application Form and Planning Statement regarding population and human health. No new or altered vehicular access or pedestrian access is proposed to or from the public highway, no new public roads are provided within the site, no new public rights of way are provided within or adjacent to the site and the development does not require any diversions/extinguishments and/or creation of rights of way. The development will not involve the loss, gain or change of use of non-residential floorspace. In the absence of effects reported, it has been assumed that the development would have a Neutral effect for construction and operation on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> As a result of the Scheme, National Cycle Network 64 and Trent Valley Way along Winthorpe Road receptors are expected to experience a Slight Adverse effect during construction. The human health receptors are expected to experience a Neutral effect during operation. A Moderate Adverse effect during operation on National Cycle Network 64 and Trent Valley Way along Winthorpe Road due to the diversion. The human health receptors are expected to experience a Neutral effect during operation.		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					<u>Cumulative residual effects for NUA/MU/3 and the Scheme on receptors within the ZOI overlap:</u> During construction, the cumulative effect anticipated on National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and NUA/MU/3 is anticipated to be a Slight Adverse effect. The cumulative effect anticipated on all human health receptors as a result of the Scheme and NUA/MU/3 is anticipated to be a Neutral. During operation, the cumulative effect anticipated on the National Cycle Network 64 and Trent Valley Way along Winthorpe Road as a result of the Scheme and NUA/MU/3 is anticipated to be Slight Adverse. The cumulative effect anticipated on all human health receptors as a result of the Scheme and NUA/MU/3 is anticipated to be a Neutral.		
16	2	3	Newark & Sherwood District Council	EN010162 (case reference) Great North Road Solar Park Elements Green Trent Ltd - Proposal includes installation of solar photovoltaic (PV) panels, on-site energy storage facility, and infrastructure required to connect the scheme into the national grid at Staythorpe substation. - Across 2800 hectares of land northwest of Newark.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.9 (Great North Road Solar Park and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-085], a section of the southeast extent of the Great North Road Solar Park ZOI would overlap with the western extent of the Scheme's ZOI. Additionally, a section of the southeast corner of the Great North Road Solar Park development overlaps with the western extent of the Scheme's ZOI. The Scheme and Great North Road Solar Park ZOIs overlap with the following population receptor: - Newark FP14 (PRoW): Footpath from Kelham Road east through fields and across A46. <u>Great North Road Solar Park residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: - Environmental Scoping Report The Environmental Scoping Report for this development does not include an assessment of effects associated with population and human health. In the absence of effects reported, and due to the scope and type of the development proposed as part of the Great North Road Solar Park, it is not anticipated that there would be any additional cumulative effects for those receptors identified in within the ZOI overlap. Therefore, for the purposes of this assessment, it	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are temporary and are not materially worse than those effects identified as resulting from the Scheme. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as cumulative effects are not materially worse than those effects identified as resulting from the Scheme.	Neutral effect on Newark FP14 during construction and operation.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					has been assumed that the development would have a Neutral effect for construction and operation. A Socio-Economics, Tourism, Recreation and Land-Use chapter has been included within the scope for the Environmental Statement for Great North Road Solar Park. There is therefore potential that future detailed assessment for the Great North Road Solar Park development could report adverse effects that are currently unknown and have not been considered as part of this assessment, subsequently changing the residual cumulative effects reported in this assessment. A cumulative assessment of effects on population and human health receptors for the Scheme and Great North Road Solar Park should be undertaken as part of the Environmental Statement for the Great North Road Solar Park, taking into account the assessment conclusions reported in this Environmental Statement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> Chapter 12 (Population and Human Health) of the ES [REP5-014] reported an anticipated Neutral effect on receptor Newark FP14 as a result of the Scheme during construction and operation. <u>Cumulative residual effects for Great North Road Solar Park and the Scheme on receptors within the ZOI overlap:</u> The cumulative effect anticipated on this receptor as a result of the Scheme and Great North Road Solar Park is anticipated to be Neutral during construction and operation.		
Road Drainage and the Water Environment							
2	3	1	Newark & Sherwood District Council	NAP2A (10/01586/OUTM and 14/01978/OUTM) - Land south of Newark: Catesby Estates Ltd Proposal includes the construction of up to 3,150 dwellings, two local centres, a 60-bed care home, a primary school and a commercial estate of up to 50 hectares comprising employment uses and amenity space.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.2 (NAP2A Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-078], approximately half of the NAP2A development and associated ZOIs fall within the Scheme's ZOI. During construction and operation, the River Trent falls within the ZOI overlap for road drainage and the water environment. <u>NAP2A residual effects on receptors within the ZOI overlap:</u> Documents available to inform the assessment: Environmental Statement The assessment within the Environmental Statement states that, with mitigation implemented during the construction and operational phases, it is considered that the development will have	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Slight Adverse effect during construction and Slight Adverse effect during operation on the River Trent.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					a Negligible effect on the local public water supply, foul water infrastructure, local watercourses and the level of flood risk to offsite areas. In the absence of effects reported, it has been assumed that the development would have a Slight Adverse effect on receptors within the ZOI overlap during construction and operation, based on professional judgement. <u>Scheme residual effects on receptors within the ZOI overlap:</u> A Neutral effect during construction and operation has been assessed for the receptor within the ZOI overlap as a result of the Scheme. <u>Cumulative residual effects for NAP2A and the Scheme on receptors within the overlap:</u> During construction and operation, the cumulative effect anticipated on the River Trent receptor as a result of the Scheme and NAP2A is anticipated to be Slight Adverse.		

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
3	3	3	Newark & Sherwood District Council	NUA/E/3 (05/02334/FULM) – Telford Drive: Sunbelt Rentals Employment Site 3 Telford Drive (1.4ha)	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.3 (NUA/E/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-079], the entire NUA/E/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/3's ZOI would overlap with the Scheme's ZOI. During construction and operation, the River Trent falls within the ZOI overlap for road drainage and the water environment. <u>NUA/E/3 residual effects on receptors within the overlap:</u> Documents available to inform the assessment: - Application for Planning Permission - Consultee Comment from Ramblers The Application for Planning Permission states that the site is not in an area at risk of flooding, nor is the development within 20 metres of a watercourse or that it would increase the flood risk elsewhere. Surface water will also be disposed of in the main sewer. In the absence of effects reported on the River Trent, it has been assumed that the development would have a Neutral effect on the River Trent receptor within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the overlap:</u> A Neutral effect during construction and operation has been assessed for this receptor as a result of the Scheme. <u>Cumulative residual effects for NUA/E/3 and the Scheme on receptors within the overlap:</u> During construction and operation, the cumulative effect anticipated on all road drainage and the water environment receptors as a result of the Scheme and NUA/E/3 is anticipated to be Neutral.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Neutral effect during construction and operation on all receptors.

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5	3	1	Newark & Sherwood District Council	NUA/Ho/4 (18/02279/OUTM, 22/00426/S73) - Lincoln Road (Yorke Dr and Lincoln Rd Playing Field): Newark & Sherwood District Council - Selective demolition and redevelopment of parts of the existing Yorke Drive Estate and the erection of new mixed tenure housing, community and recreational facilities on the adjoining Lincoln Road Playing Field site, - Development of up to 320 homes	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.4 (NUA/Ho/4 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-080], the entire NUA/Ho/4 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/Ho/4's ZOI would overlap with the Scheme's ZOI. During construction and operation, the River Trent falls within the ZOI overlap for road drainage and the water environment. <u>Lincoln Road (NUA/Ho/4) residual effects on receptors within the overlap:</u> Documents available to inform the assessment: Planning Statement In the absence of effects reported, it has been assumed that the development would have a Neutral effect on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the overlap:</u> A Neutral effect during construction and operation has been assessed for this receptor as a result of the Scheme. <u>Cumulative residual effects for Lincoln Road and the Scheme on receptors within the overlap:</u> During construction and operation, the cumulative effect anticipated on the River Trent receptor as a result of the Scheme and NUA/Ho/4 is anticipated to be Neutral.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Neutral effect during construction and operation on all receptors.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
6	3	3	Newark & Sherwood District Council	NUA/MU/1 (20/01219/FULM) – Land North of the A17, Newark: • Employment Site 2 Stephenson Way (12.24ha). • Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. • Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.5 (NUA/MU/1 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-081], the entire NUA/MU/1 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/1's ZOI would overlap with the Scheme's ZOI. During construction and operation, the River Trent falls within the ZOI overlap for road drainage and the water environment. <u>NUA/MU/1 residual effects on receptors within the overlap:</u> Documents available to inform the assessment: • Application for Planning Permission for 20/01219/FULM Due to the limited assessment on the remaining 3.91 hectares for the land plot, the assessment has been based off the neighbouring developments due to the proximity and similarity in use (for example, employment). The Application for Planning Permission has carried out a high-level assessment of the water environment. It concluded that the site within the area is not at risk of flooding and the development will not increase the flood risk elsewhere. However, the development is within 20 metres of a watercourse. Therefore, SuDS have been incorporated into the development to dispose of surface water. In the absence of effects reported, it has been assumed that the development would have a Neutral effect on the receptor within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the overlap:</u> A Neutral effect during construction and operation has been assessed for this receptor as a result of the Scheme. <u>Cumulative residual effects for NUA/MU/1 and the Scheme on receptors within the overlap:</u> During construction and operation, the cumulative effect anticipated on all road drainage and the water environment receptors as a result of the Scheme and NUA/MU/1 is anticipated to be Neutral.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Neutral effect during construction and operation on all receptors.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
7	3	3	Newark & Sherwood District Council	NUA/E/2 (20/00309/FULM) - Stephenson Way: - Employment Site 2 Stephenson Way (12.24ha). - Planning Permission granted for hatchery on central element of the site in June 2016 and is currently under construction. - Residual 9.56ha element of the site to continue to be allocated.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.6 (NUA/E/2 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-081], the entire NUA/E/2 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/E/2's ZOI would overlap with the Scheme's ZOI. During construction and operation, the River Trent falls within the ZOI overlap for road drainage and the water environment. <u>NUA/E/2 residual effects on receptors within the overlap:</u> Documents available to inform the assessment: Application Form for 20/00309/FULM Due to the limited information available on NUA/E/2, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). The Application for Planning Permission has carried out a high-level assessment of the water environment. It concluded that the site within the area is not at risk of flooding and the development will not increase the flood risk elsewhere. However, the development is within 20 metres of a watercourse. Therefore, the main sewer will dispose of surface water from the development. In the absence of effects reported, it has been assumed that the development would have a Neutral effect on receptors within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the overlap:</u> A Neutral effect during construction and operation has been assessed for this receptor as a result of the Scheme. <u>Cumulative residual effects for NUA/E/2 and the Scheme on receptors within the overlap:</u> During construction and operation, the cumulative effect anticipated on the River Trent receptor as a result of the Scheme and NUA/E/2 is anticipated to be Neutral.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Neutral effect during construction and operation on all receptors.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
11	3	3	Newark & Sherwood District Council	21/02408/FULM: BGO Ark PropCo Limited Erection of 2no. buildings for use within Class B8 (storage and distribution) along with access and servicing arrangements, car parking, landscaping, attenuation pond, and associated works. 15.5ha	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.8 (21/02408/FULM Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-084], the entire 21/02408/FULM development falls within the scheme's ZOI. Additionally, the majority of the 21/02408/FULM's ZOI would overlap with the Scheme's ZOI. During construction and operation, the River Trent falls within the ZOI overlap for road drainage and the water environment. <u>21/02408/FULM residual effects on receptors within the overlap:</u> Documents available to inform the assessment: Application Form The Application for Planning Permission has carried out a high-level assessment of the water environment. It concluded that the site within the area is not at risk of flooding and the development will not increase the flood risk elsewhere. However, the development is within 20 metres of a watercourse. Therefore, SuDS have been incorporated into the proposals to dispose of surface water from the development. In the absence of effects reported, it has been assumed that the development would have a Neutral effect on the River Trent receptor within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the overlap:</u> A Neutral effect during construction and operation has been assessed for this receptor as a result of the Scheme. <u>Cumulative residual effects for 21/02408/FULM and the Scheme on receptors within the overlap:</u> During construction and operation, the cumulative effect anticipated on the River Trent receptor as a result of the Scheme and 21/02408/FULM is anticipated to be Neutral.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Neutral effect during construction and operation on all receptors.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
15	3	3	Newark & Sherwood District Council	NUA/MU/3 (19/00825/FULM) – NSK Factory Northern Road Newark (Retail) (and residual site NUA/MU/3): - Land at NSK factory - Current planning application on part of the site 150 dwellings	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.7 (NUA/MU/3 Proposed Development and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-083], the entire NUA/MU/3 development falls within the Scheme's ZOI. Additionally, the majority of the NUA/MU/3's ZOI would overlap with the Scheme's ZOI. During construction and operation, the River Trent falls within the ZOI overlap for road drainage and the water environment. <u>NUA/MU/3 residual effects on receptors within the overlap:</u> Documents available to inform the assessment: - Application Form for 19/00825/FULM - Planning Statement for 19/00825/FULM Due to the limited information available for NUA/MU/3, the assessment has been based off the neighbouring developments due to the proximity and proposed similarity in use (for example, employment). The Application for Planning Permission has carried out a high-level assessment of the water environment. It concluded that the site within the area is not at risk of flooding and the development I will not increase the flood risk elsewhere. However, the development is within 20 metres of a watercourse. Therefore, the main sewer will dispose of surface water from the development. In the absence of effects reported, it has been assumed that the development would have a Neutral effect on the receptor within the ZOI overlap, based on professional judgement. <u>Scheme residual effects on receptors within the overlap:</u> A Neutral effect during construction and operation has been assessed for this receptor as a result of the Scheme. <u>Cumulative residual effects for NUA/MU/3 and the Scheme on receptors within the overlap:</u> During construction and operation, the cumulative effect anticipated on the River Trent receptor as a result of the Scheme and NUA/MU/3 is anticipated to be Neutral.	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Neutral effect during construction and operation on all receptors.

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16	2	3	Newark & Sherwood District Council	EN010162 (case reference) Great North Road Solar Park Elements Green Trent Ltd - Proposal includes installation of solar photovoltaic (PV) panels, on-site energy storage facility, and infrastructure required to connect the scheme into the national grid at Staythorpe substation. - Across 2800 hectares of land northwest of Newark.	<u>Receptors within the ZOI overlap:</u> As demonstrated in Figure 15.9 (Great North Road Solar Park and Proposed Scheme with Relevant Zones of Influence) of the ES Figures [AS-085], the southeast extent of the Great North Road Solar Park ZOI would overlap with the western extent of the Scheme's ZOI. Additionally, the southeast corner of the Great North Road Solar Park development overlaps with the western extent of the Scheme's ZOI. During construction and operation, the River Trent falls within the ZOI overlap for road drainage and the water environment. Three ponds (3,4 and 5) also fall within the ZOI overlap. <u>Great North Road Solar Park residual effects on receptors within the overlap:</u> Documents available to inform the assessment: Environmental Scoping Report The Environmental Scoping Report for this development does not include an assessment of effects associated with road drainage and the water environment. In the absence of effects reported, and due to the scope and type of the development proposed as part of the Great North Road Solar Park, it is not anticipated that there would be any additional cumulative effects for those receptors identified in within the ZOI overlap. Therefore, for the purposes of this assessment, it has been assumed that the development would have a Neutral effect for construction and operation. A Hydrology, Hydrogeology, Flood Risk and Ground Conditions chapter has been included within the scope for the Environmental Statement for Great North Road Solar Park. There is therefore potential that future detailed assessment for the Great North Road Solar Park development could report adverse effects that are currently unknown and have not been considered as part of this assessment, subsequently changing the residual cumulative effects reported in this assessment. A cumulative assessment of effects on road drainage and the water environment receptors for the Scheme and Great North Road Solar Park should be undertaken as part of the Environmental Statement for the Great North Road Solar Park, taking into account the assessment conclusions reported in this Environmental Statement. <u>Scheme residual effects on receptors within the overlap:</u> Chapter 13 (Road Drainage and Water Environment) of the ES [APP-057] reported an anticipated Neutral effect during	<u>Construction:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted. <u>Operation:</u> No additional mitigation on top of the individual mitigation specified in the First Iteration EMP [REP6-012] is considered necessary, as no significant cumulative effects are predicted.	Neutral effect during construction and operation on the River Trent. Temporary Slight Adverse effect during operation on Pond 3.

ID	Tier	Application Reference	Planning Authority	Applicant for 'other development' and brief description	Assessment of cumulative effects with the Scheme	Proposed mitigation applicable to the Scheme including any apportionment	Residual cumulative effect
					construction and operation on the River Trent as a result of the Scheme. Pond 3 is proposed to be removed during construction, with a replacement pond to be created within the Kelham and Averham Floodplain Compensation Area boundary; this is anticipated to result in a Temporary Slight Adverse effect during construction on Pond 3. No operational effect is anticipated on Pond 3. No effects are anticipated on Ponds 4 or 5 during construction or operation of the Scheme. <u>Cumulative residual effects for Great North Road Solar Park and the Scheme on receptors within the overlap:</u> During construction and operation, the cumulative effect anticipated on the River Trent receptor as a result of the Scheme and Great North Road Solar Park is anticipated to be Neutral. A Temporary Slight Adverse cumulative effect during construction is anticipated on Pond 3. No cumulative operational effects are anticipated to Pond 3 during operation. No cumulative effects are anticipated to Pond 4 or Pond 5 during construction or operation.		