APPENDIX

RECOMMENDED MAIN MODIFICATIONS

SMM No	SSR No	JMLP Para/ Policy	Submitted SSR	Recommended Main Modification
MM1	SSR3	6.2.13	New paragraph number: 6.2.14.	New paragraph number: 6.2.14.
			The current 10 year average sales value is much higher than for sharp sand and gravel, at 293,737 tonnes per annum (2008 – 2017), and other relevant local information suggests average demand may be as high as 372,459 tonnes per annum. Total permitted reserve of land-won soft sand in West Sussex is 2,754,000 which currently provides a landbank of 7.4 years, based on the 10 year average sales, taking account of other relevant local information. Current reserves are not sufficient to meet demand over the Plan period (up to 2033). Planning Guidance (NPPG, para 064) states that MPA's should also consider average sales over the previous three years, to identify the general trend of demand. The 3-year average of soft sand sales is 295,115 tonnes (2015-2017). Based on this 3-year average and current reserves, the landbank (taking account of other relevant local information) is currently 9.3 years.	The current 10 year average sales value is much higher than for sharp sand and gravel, at 293,737 288,718 tonnes per annum (2008 – 2017 2009-2019), and other relevant local information suggests average demand may be as high as 372,459 371,869 tonnes per annum. Total permitted reserve of land-won soft sand in West Sussex is 2,754,000 2,300,437 which currently provides a landbank of 7.4 6.2 years, based on the 10 year average sales, taking account of other relevant local information. Current reserves are not sufficient to meet demand over the Plan period (up to 2033). Planning Guidance (NPPG, para 064) states that MPA's should also consider average sales over the previous three years, to identify the general trend of demand. The 3-year average of soft sand sales is 295,115 315,560 tonnes (2015 2017 2016-2019). Based on this 3-year average and current reserves, the landbank (taking account of other relevant local information) is currently 9.3 7.3 years.
MM2	SSR4	6.2.14	New paragraph number: 6.2.15.	New paragraph number: 6.2.15.
			The relevant strategic objectives are:	The relevant strategic objectives are:
			1: To promote the prudent and efficient production and use of minerals and to ensure a steady and adequate supply, having regard to the market demand and constraints on supply in the Plan area.	1: To promote the prudent and efficient production and use of minerals and to ensure a steady and adequate supply, having regard to the market demand and constraints on supply in the Plan area.
			3: To make provision for soft sand, silica sand and sharp sand and gravel, to meet the need, from outside the South Downs National Park, where possible; and only allow development within the national park in exceptional circumstances and where it is in the public interest.	3: To make provision for soft sand, silica sand and sharp sand and gravel, to meet the need, from outside the South Downs National Park, where possible; and only allow development within the national park in exceptional circumstances and where it is in the public interest.
ммз	SSR5	New para	In order to inform the strategy for the provision of land won soft sand, the Authorities considered the opportunities for extraction:	In order to inform the strategy for the provision of land won soft sand, the Authorities considered the opportunities for extraction:
		6.2.16	within West Sussex but outside of the SDNP	within West Sussex but outside of the SDNP
			outside of West Sussex	 outside of West Sussex¹
			• from other sources	• from other sources
			• from within the SDNP, within West Sussex	• from within the SDNP, within West Sussex
			a combination of the options	a combination of the options
				Footnote 1: where these opportunities are included in emerging or adopted mineral plans, or exist as sites that hold current planning permissions.
MM4	SSR36	-	New paragraph number: 7.2.8.	New paragraph number: 7.2.8.
			East of West Heath Common (Extension), Rogate (Policies Map 9): Located near to Rogate, Chichester, the extension to West Heath Quarry is located within the South Downs National Park, and used for agricultural purposes. The site is approximately 14 hectares in size and would provide 950,000 tonnes of soft sand. Materials would be exported from the extension site to the existing quarry by conveyor or pipeline, for processing, before transport by road using the existing quarry access and routing provision. Development of this site should contribute to the Petersfield to Pulborough via Midhurst non-motorised route. The after use for this site would be to create a low level water environment that should maximise nature conservation and informal recreation. Any restoration scheme should be fully integrated with the restoration scheme on the existing site. The restoration proposals should also take account of the opportunities to improve long distance trails and key public Rights of Way. Restoration proposals should clearly relate to landscape projects in the wider South Downs National Park ¹ . Footnote 1: SSR Landscape Assessment (2019).	East of West Heath Common (Extension), Rogate (Policies Map 9): Located near to Rogate, Chichester, the extension to West Heath Quarry is located within the South Downs National Park, and used for agricultural purposes. The site is approximately 14 hectares in size and would provide 950,000 tonnes of soft sand. The area available for extraction may be limited by the development principles set out below, including the results of the hydrogeological survey. Materials would be exported from the extension site to the existing quarry by conveyor or pipeline, for processing, before transport by road using the existing quarry access and routing provision. Development of this site should avoid and minimise any impact on West Heath Common and the River Rother Local Wildlife Site. Development should also contribute to the Petersfield to Pulborough via Midhurst non-motorised route. The after use for this site would be to create a low level water environment that should maximise nature conservation and informal recreation. Any restoration scheme should be fully integrated with the restoration scheme on the existing site. The restoration proposals should also take account of the opportunities to improve long distance trails and key public Rights of Way. Restoration proposals should clearly relate to landscape projects in the wider South Downs National Park ¹ .

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				Footnote 1: SSR Landscape Assessment (2019).
MM5	SSR38		New paragraph number: 7.2.9. The development principles for the East of West Heath Common site are as follows: i. A project level Appropriate Assessment is required to assess potential impacts and demonstrate how this site will be delivered without any adverse effect on the integrity of any Natura 2000 sites; ii. A landscape and visual impact assessment should inform the development of proposals for the extraction of minerals from the site (including the use of conveyors or pipeline), taking into account and seeking to minimise adverse impacts on the South Downs National Park; iii. The Landscape and Visual Impact Assessment should cross reference all other relevant studies within the Environmental Statement in order to ensure that it is fully integrated and considers both direct and indirect impacts from any proposals; iv. Existing hedgerows, mature trees and vegetation along perimeters and within the site, should, where possible, be retained and linked to new planting to create continuous corridors of trees and vegetation, connected to wider networks of hedges in surrounding areas; v. There should be phasing of working and restoration to minimise impacts associated with unrestored open excavated areas; vi. Proposals should ensure that there are no significant adverse impacts on the nearby Scheduled Monuments bridges and structures on relevant parts of the road network; vii. At pre-application stage, a Lidar survey should be undertaken and an assessment of the impacts on buried archaeological remains should be carried out including archaeological field evaluation and mitigation measures where required; vii. A hydrological assessment should be completed, evaluating and seeking to minimise the impact from the proposals on ground water and watercourses, including the River Rother SNCI; viii. The potential for impact on the Wealden Heaths Phase II SPA and East Hampshire Hangers SAC should be considered, and mitigation applied to ensure no harm occurs; ix. A lighting, noise, dust, odour and vibration management pla	New paragraph number: 7.2.9. The development principles for the East of West Heath Common site are as follows: i. Development proposals must identify and incorporate opportunities for net gains in biodiversity: ii. i.—A project level Appropriate Assessment is required to assess potential impacts and demonstrate how this site will be delivered without any adverse effect on the integrity of any Natura 2000 sites; iii. ii.—A landscape and visual impact assessment should inform the development of proposals for the extraction of minerals from the site (including the use of conveyors or pipeline), taking into account and seeking to minimise adverse impacts on the South Downs National Park; iv. iii.—The Landscape and Visual Impact Assessment should cross reference all other relevant studies within the Environmental Statement in order to ensure that it is fully integrated and considers both direct and indirect impacts from any proposals; v. iv.—Existing hedgerows, mature trees and vegetation along perimeters and within the site, should must, where possible, be retained and linked to new planting to create continuous corridors of trees and vegetation, connected to wider networks of hedges in surrounding areas; vi. v.—There should be phasing of working and restoration to minimise impacts associated with unrestored open excavated areas; vii. vi.—Proposals should ensure that there are no significant adverse impacts on the nearby Scheduled Monuments bridges and structures on relevant parts of the road network; viii. vi.—Proposals should ensure that there are no significant adverse impacts on the nearby Scheduled Monuments bridges and structures on relevant parts of the road network; viii. vi.—Proposals should ensure that there are no significant adverse impacts on the nearby Scheduled Monuments bridges and structures on relevant parts of the road network; viii. vi.—The proposals of proposals on ground water and watercourses; including the River Rather SNCI;—Where necessary, changes to the development boundary wil
MM6	SSR34	-	New paragraph number: 7.2.7. The development principles for Ham Farm are as follows: i. A project level Appropriate Assessment is required to assess potential impacts and demonstrate how this site will be delivered without any adverse effect on the integrity of any Natura 2000 sites ii. A Landscape and Visual Impact Assessment should inform the development of proposals for the extraction of minerals from the site, taking into account and seeking to minimise impacts on the South Downs National Park and its setting, and Wiston Park; iii. The LVIA should cross reference all other relevant studies within the Environmental Statement in order to ensure that it is fully integrated and considers both direct and indirect impacts from any proposals; iv. The access should be carefully sited to ensure lines of mature broadleaf trees remain	New paragraph number: 7.2.7. The development principles for Ham Farm are as follows: i. Development proposals must identify and incorporate opportunities for net gains in biodiversity; ii. i-A project level Appropriate Assessment is required to assess potential impacts and demonstrate how this site will be delivered without any adverse effect on the integrity of any Natura 2000 sites iii. ii- A Landscape and Visual Impact Assessment should inform the development of proposals for the extraction of minerals from the site, taking into account and seeking to minimise impacts on the South Downs National Park and its setting, and Wiston Park;

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		,	Trees in Relation to Design, Demolition and Construction 2012" should be provided to ensure that retained trees are adequately protected from site operations and that any to be removed are clearly identified and appropriate mitigation proposed;	iv. iii. The LVIA should cross reference all other relevant studies within the Environmental Statement in order to ensure that it is fully integrated and considers both direct and indirect impacts from any proposals;
			v. The entrance to the site should be carefully designed to minimise adverse impacts upon the South Downs National Park and its setting;	v. iv. The access should be carefully sited to ensure lines of mature broadleaf trees remain intact. A tree survey and arboricultual impact assessment in accordance with "BS5837 Trees in Relation to Design, Demolition and Construction 2012" should be provided to
			vi. During excavation there should be screening, such as perimeter mounding and planting of native trees and shrubs (including native evergreen species) along the eastern and southern boundaries to strengthen and reinforce existing screening of views into the site	ensure that retained trees are adequately protected from site operations and that any to be removed are clearly identified and appropriate mitigation proposed;
			from the A283, Cherrytree Rough to the north and surrounding open farmland should be considered as part of the Landscape and Visual Impact Assessment process. Any screening landform and/or planting should be designed to be consistent with local	vi. v. The entrance to the site should be carefully designed to minimise adverse impacts upon the South Downs National Park and its setting;
			landscape character in order to minimise unintended additional impacts on landscape character from incongruous screening features;	<u>vii.</u> Puring excavation there should be screening, such as perimeter mounding and planting of native trees and shrubs (including native evergreen species) along the eastern and southern boundaries to strengthen and reinforce existing screening of views into the
			vii. Existing hedgerows, mature trees and vegetation along perimeters and within the site, should, where possible, be retained and linked to new planting to create continuous corridors of trees and vegetation, connected to wider networks of hedges in surrounding areas;	site from the A283, Cherrytree Rough to the north and surrounding open farmland should be considered as part of the Landscape and Visual Impact Assessment process. Any screening landform and/or planting should be designed to be consistent with local landscape character in order to minimise unintended additional impacts on landscape character from incongruous screening features;
			viii. There should be phasing of working and restoration to minimise impacts associated with unrestored open excavated areas;	viii. vii. Existing hedgerows, mature trees and vegetation along perimeters and within the
			ix. A historic building setting impact assessment of nearby listed buildings (including but not limited to Horsebrook Cottage and Wappingthorn Manor) should be carried out and mitigation provided, if required;	site, should must, where possible, be retained and linked to new planting to create continuous corridors of trees and vegetation, connected to wider networks of hedges in surrounding areas;
			x. At pre-application stage, a Lidar survey should be undertaken and an assessment of the impacts on buried archaeological remains should be carried out including archaeological	ix. viii. There should be phasing of working and restoration to minimise impacts associated with unrestored open excavated areas;
			field evaluation and mitigation measures where required; xi. A hydrological assessment should be completed, evaluating and seeking to minimise the impact from the proposals on ground water and watercourses, including but not limited	x. ix A historic building setting impact assessment of nearby listed buildings (including but not limited to Horsebrook Cottage and Wappingthorn Manor) should be carried out and mitigation provided, if required;
			to, Alderwood Pond and Wiston Pond; xii. A flood risk assessment should be carried out and mitigation provided, if required;	xi. x. At pre-application stage, a Lidar survey should be undertaken and an assessment of the impacts on buried archaeological remains should be carried out including archaeological field evaluation and mitigation measures where required;
			xiii. The transport assessment should consider the net impact of changing the land use from agricultural (maize production) to mineral and include allowances for the importation of materials for restoration and importation of feedstock for anaerobic digestion at Wappingthorn Farm;	xii. xi. A hydrological assessment should be completed, evaluating and seeking to avoid and minimise the impact from the proposals on ground water and watercourses, including but not limited to, Alderwood Pond and Wiston Pond;
			xiv. A HGV routing agreement is required, including a robust approach to monitoring	<u>xiii.</u> A flood risk assessment should be carried out and mitigation provided, if required;
			adherence, to ensure that HGVs travelling to/from the site avoid the villages of Steyning and Storrington; xv. If the traffic from the site could have a negative impact on the Air Quality Management	<u>xiv.</u> xiii. The transport assessment should consider the net impact of changing the land use from agricultural (maize production) to mineral and include allowances for the importation of materials for restoration and importation of feedstock for anaerobic digestion at
			Area in Storrington High Street, then an Air Quality Assessment is required;	Wappingthorn Farm; <u>xv. xiv. A HGV routing agreement is required, including a robust approach to monitoring</u>
			xvi. Vehicular access to the site to be created at the existing gated access and shall be designed to accord with the standards and guidance within the Design Manual for Roads and Bridges and Roads in the South Downs;	adherence, to ensure that HGVs travelling to/from the site avoid the villages of Steyning and Storrington;
			xvii. There should be an assessment of the cumulative impact associated with other development (e.g. other minerals development) including landscape and transport considerations, such as the A24/A283 Washington roundabout and mitigation, if required;	xvi. xv.—If the traffic from the site could have a negative impact on the Air Quality Management Area in Storrington High Street, then an Air Quality Assessment is required; xvii. xvi.—Vehicular access to the site to be created at the existing gated access and shall
			xviii. Any loss of potentially high quality agricultural land should be considered and mitigation provided, if required;	be designed to accord with the standards and guidance within the Design Manual for Roads and Bridges and Roads in the South Downs;
			xix. There are known power cables, power lines and water mains within and adjacent to the site which should be diverted or protected, as necessary;	xviii. xvii. There should must be an assessment of the cumulative impact associated with other development (e.g. other minerals development) including landscape and transport considerations, such as the A24/A283 Washington roundabout and mitigation, if required;
			xx. A lighting, noise, dust, odour and vibration management plan should be completed, setting out how unacceptable impacts will be avoided;	xix. xviii. Any loss of potentially high quality agricultural land should be considered and mitigation provided, if required;
			xxi. Options for restoration could include reinstating the original profile of the site and returning it to agricultural use and restoring the structure of hedgerows and hedgerow trees, with the aim of maximising farmland habitat value, and connectivity with the	xx. xix. There are known power cables, power lines and water mains within and adjacent to the site which should be diverted or protected, as necessary;
			surrounding structure of hedgerows and lines of trees. Long term restoration should aim to maximise the habitat value by taking opportunities to link the surrounding hedgerow	xxi. xxA lighting, noise, dust, odour and vibration management plan should be completed, setting out how unacceptable impacts will be avoided;
			and woodland structure; and xxii. A site liaison group involving the local community should be established by the operator to address issues arising from the operation of the site.	xxii. xxi.—Options for restoration could include reinstating the original profile of the site and returning it to agricultural use and restoring the structure of hedgerows and hedgerow trees, with the aim of maximising farmland habitat value, and connectivity with the surrounding structure of hedgerows and lines of trees. Long term restoration should aim to maximise the habitat value by taking opportunities to link the surrounding hedgerow and woodland structure; and

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		-		xxiii. A site liaison group involving the local community should be established by the operator to address issues arising from the operation of the site.
MM7	No SSR40	•	New paragraph number: 7.2.11. The development principles for the Chantry Lane Extension are as follows: i. A project level Appropriate Assessment is required to assess potential impacts and demonstrate how this site will be delivered without any adverse effect on the integrity of any Natura 2000 sites; iii. A Landscape and Visual Impact Assessment (LVIA) should inform the development of proposals for the extraction of minerals from the site, taking into account and seeking to minimise impacts on the South Downs National Park; iii. The LVIA should cross reference all other relevant studies within the Environmental Statement in order to ensure that it is fully integrated and considers both direct and indirect impacts from any proposals; iv. The entrance to the site should be carefully designed to minimise adverse impacts upon the South Downs National Park and its setting, and designed to accord with the standards and guidance within the Design Manual for Roads and Bridges and Roads in the South Downs; v. During excavation there should be screening, such as perimeter mounding and planting of native trees and shrubs (including native evergreen species) along the boundaries to strengthen and reinforce existing screening of views into the site from the A283, and surrounding open farmland should be considered as part of the Landscape and Visual Impact Assessment process. Any screening landform and/or planting should be designed to be consistent with local landscape character in order to minimise unintended additional impacts on landscape character from incongruous screening features; vi. Existing hedgerows, mature trees and vegetation along perimeters and within the site, should, where possible, be retained and linked to new planting to create continuous corridors of trees and vegetation, connected to wider networks of hedges in surrounding areas; vii. There should be phasing of working and restoration to minimise impacts associated with unrestored open excavated areas; viii. There should be phasing of workin	xxiii, xii.—A site liaison group involving the local community should be established by the operator to address issues arising from the operation of the site. New paragraph number: 7.2.11. The development principles for the Chantry Lane Extension are as follows: i. Development principles for the Chantry Lane Extension are as follows: ii. Experiment proposals must identify and incorporate opportunities for net gains in biodiversity; iii. —A project level Appropriate Assessment is required to assess potential impacts and demonstrate how this site will be delivered without any adverse effect on the integrity of any Natura 2000 sites; iii. —II. —A Landscape and Visual Impact Assessment (LVIA) should inform the development of proposals for the extraction of minerals from the site, taking into account and seeking to minimise impacts on the South Downs National Park; iv. —III. —The LVIA should cross reference all other relevant studies within the Environmental Statement in order to ensure that it is fully integrated and considers both direct and indirect impacts from any proposals; v. —The entrance to the site should be carefully designed to minimise adverse impacts upon the South Downs National Park and its setting, and designed to accord with the standards and guidance within the Design Manual for Roads and Bridges and Roads in the South Downs; vi. —During excavation there should be screening, such as perimeter mounding and planting of native trees and shrubs (including native evergreen species) along the boundaries to strengthen and reinforce existing screening of views into the site from the A283, and surrounding open farmland should be considered as part of the Landscape and Visual Impact Assessment process. Any screening landform and/or planting should be designed to be consistent with local landscape character in order to minimise unintended additional impacts on landscape character from incongrous screening features; vii. vi.—Existing hedgerows, mature trees and vegetation along perimeters and within
		led strategy agreed with the SDNPA. The strategy should be informed by relevant technical assessments, contribute to the purposes of the SDNP and form a cohesive scheme with the existing quarry site. xvii. A site liaison group involving the local community should be established by the operator to address issues arising from the operation of the site.	completed, setting out how unacceptable impacts will be avoided; xvii. xviProposals for restoration should be informed by a landscape and ecosystem services led strategy agreed with the SDNPA. The strategy should be informed by relevant technical assessments, contribute to the purposes of the SDNP and form a cohesive scheme with the existing quarry site.	
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