APPENDIX

MAIN MODIFICATIONS

The main modifications below are shown in the form of a red strikethrough for deletions and red <u>underlining</u> for additions of text.

Other instructions are set out in *italics*.

		Cha	pter 2 – SPATIAL PORTRAIT AND KEY MINERALS PLANNING	ISSUES
Ref.	Page No.	Policy/Para/ Table/ Figure No.	Modification	Justification
MM1		Paragraph 2.31	Insert new sentence at the end of paragraph as follows: The potential for an increased contribution of sand and gravel from marine sources will be monitored.	Marine dredged aggregate forms an important part of the overall supply of aggregate. Not-withstanding none is landed on wharfs in the Plan area, it is desirable to monitor operational constraints around landing facilities particularly those in the adjoining authority of Thurrock and review the ability for its continued or even increased contribution as a substitute for a portion of the land won plan provision.
MM2	Page 23		Amend point seven as follows: Protect existing, and Preferred and Reserve Sites for extraction so their ability to supply essential resources is not compromised, (economic).	Cross references the addition of the term 'reserve sites' introduced into Policy 6 of the MLP.
MM3	Page 23	Para 2.39	Amend point ten as follows: 10. Enable HGV distances to serve Essex are reduced to minimise carbon emissions, having regard to the locations of Preferred <u>and</u> <u>Reserve</u> Sites and mineral demand, (economic, social and	Cross references the addition of the term 'reserve sites' introduced into Policy 6 of the MLP.

environmental).

	Chapter 3 – THE STRATEGY						
Ref.	Page No.	Policy/Para/ Table/ Figure No.	Modification	Justification			
MM4	Page 24	Table 1	Amend final part of Point (B) as follows: A steady and adequate supply of sand and gravel will be provided, having regard to the Local Aggregate Assessment and the targets agreed with the East of England Aggregates Working Party. whilst not Phasing has been introduced so as to avoid over-supplying in order to protect Essex's environment and our finite mineral resources. Plan provision will also be made for silica sand and brick clay.	Plan provision has effectively been phased across the Plan period through introduction of 'reserve sites' by way of change to Policy 6 of the MLP.			
ММ5	Page 25	Table 1	Amend second sentence of Point (G) as follows: Existing, permitted, and Preferred and Reserve mineral sites and mineral supply infrastructure will be safeguarded to ensure the effective operation of these sites is not compromised, and to prevent incompatible development taking place close to existing or planned minerals development to the potential detriment of existing or future occupants.	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.			
MM6	Page 27	Aims and Strategic Objectives	Amend 'Aims' point 5 as follows: 5. To protect and safeguard existing mineral reserves, existing permitted mineral sites and Preferred <u>and Reserve</u> Sites for mineral extraction, as well as existing proposed sites for associated mineral development.	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.			

MM7	Page 28	Para 3.3	Amend third sentence as follows: To this end, the Plan identifies Preferred <u>and Reserve</u> Sites for future development.	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM8	Page 33	Policy S2	Amend point 6 as follows: 6. Making planned provision through Preferred <u>and Reserve</u> Site allocations for a steady and adequate supply of aggregates and industrial minerals to meet identified national and local mineral needs in Essex during the plan-period whilst maintaining landbanks at appropriate levels,	Cross references the addition of the term `reserve sites' introduced into Policy S6 of the MLP.
MM9	Page 47	Paragraph 3.82	Amend second sentence as follows: It is considered unnecessary and impractical to maintain separate landbanks for County sub-areas or to distinguish between building sand and concreting aggregates, although further monitoring of building sand will be undertaken to establish whether this situation needs to be reviewed.	Although it's not considered necessary or practical at this current time to distinguish between building sand and concreting aggregates the situation will be monitored to establish whether it should be reviewed in the future.
MM10	Page 47	Paragraph 3.84	Insert new sentence after second sentence as follows: Where the landbank falls below seven years there will be an opportunity to bring Reserve Sites forward for extraction.	Clarifies the mechanism for plan provision being phased across the Plan period through introduction of 'reserve sites' by way of change to Policy S6 of the MLP.
MM11	Page 49	Paragraph 3.95	Amend first sentence as follows: This Plan has therefore been prepared to provide 4.31mtpa of sand and gravel over the plan-period, to be provided by existing sites with permission, and Preferred and Reserve Sites proposed	Cross references the addition of the term `reserve sites' introduced into Policy S6 of the MLP.

			by the Plan.	
MM12	Page 49	Paragraph 3.96	Conversely, if the <u>The provision allocated through both Preferred</u> and Reserve sites meets the 4.31 mtpa sub-regional	Amends explanatory text to Policy S6 to introduce the basis for the new approach whereby some sites have been redefined as reserve sites.
MM13	Page 51	Paragraph 3.110	A plan-led approach excluding such an allowance and identifying Preferred and Reserve Sites, provides greater certainty for local	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM14	Page 52	Policy S6	The Mineral Planning Authority shall endeavour to ensure reserves of land won sand and gravel are available <u>until 2029</u> ,	Clarifies the mechanism for plan provision being phased across the Plan period through introduction of 'Reserve sites'. The overall plan provision continues to be based on applying the sub-national supply

		 supply requirement for Essex. This requirement will be periodically assessed. The Plan identifies sufficient provision through Preferred Sites allocations (listed in Table 5) until 2029 and will be subject to periodic review to enable the maintenance of at least a seven year landbank. The working of Reserve sites will only be supported if the landbank with respect to the overall requirement of 4.31mtpa is below 7 years. Mineral extraction on non outside Preferred or Reserve Sites will be resisted by the Mineral Planning Authority unless the applicant can demonstrate: a. An overriding justification and/ or overriding benefit for the proposed extraction, and, b. The scale of the extraction is no more than the minimum essential for the key purpose of the proposal, and, c. The proposal is environmentally suitable, sustainable, and consistent with the relevant policies set out in the Development Plan. 	guidelines which have been apportioned to individual mineral planning authorities on the advice of the aggregate working party. However, the basis for differentiating between Preferred and Reserve Sites is the 10 year average sales and the mechanism for bringing reserve sites forward is if the landbank falls below 7 years, thereby ensuring that potential excessive supply is avoided, subject to market conditions
MM15	Page 57	It is necessary to safeguard existing mineral workings _z and	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.

			incompatible neighbours being established and ultimately restricting their activities.	
MM16	Page 57	Paragraph 3.131	Amend Bullet 3 as follows: Preferred <u>and Reserve</u> Sites proposed in this Plan for future mineral extraction.	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM17	Page 59	Policy S8	Amend first paragraph as follows:By applying Mineral Safeguarding Areas (MSAs) and/ or Mineral Consultation Areas (MCAs), the Mineral Planning Authority will safeguard mineral resources of national and local importance from surface development that would sterilise a significant economic resource or prejudice the effective working of a permitted mineral reserve, or Preferred or Reserve Site allocation within the Minerals Local Plan. The Minerals Planning Authority shall be consulted, and its views taken into account, on proposed development identified in Appendix 9	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM18	Page 59	Policy S8	 Amend first and last paragraphs under Mineral Consultation Areas as follows: MCAs are designated within and up to an area of 250 metres from each safeguarded permitted minerals development and Preferred and Reserve Site allocation as shown on the Policies Map and defined on the maps in Appendix 10 6. The Mineral Planning Authority shall be consulted on: Proposals which would unnecessarily sterilise mineral resources or conflict with the effective workings of permitted minerals development_x or Preferred or Reserve Mineral Site allocation shall be opposed. 	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.

			Amond as follows	
MM19	Page 68	Paragraph 3.177	to any minerals related planning application, including new proposals for transhipment sites requiring connection to the road	Cross references the addition of the term `reserve sites' introduced into Policy S6 of the MLP.
MM20	Page 68	Paragraph 3.182	community, the environment and the local road network are carefully considered, including the cumulative impacts of these.	Cross references the addition of the term `reserve sites' introduced into Policy S6 of the MLP.
MM21	Page 72	Paragraph 3.197	The Plan proposes an ambitious target for the creation of a minimum of 200ha of priority habitat creation in Essex from the Preferred and Poserve Site allocations. Six <u>LK BAB babitate LK</u>	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP. Editing changes bring the plan up to date.

			Amend as follows:	
MM	22 Page 72	Paragraph 3.199	For instance the Preferred <u>and Reserve</u> Sites in Appendix 5 at Bradwell Quarry (Rivenhall), A9 Broadfield Farm (Rayne), Suppymead (Alresford), Maldon Road (Birch) and Land at	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.

	Chapter 4 PREFERRED MINERAL SITES FOR PRIMARY MINERAL EXTRACTION							
Ref.	Page No.	Policy/Para/ Table/ Figure No.	Modification	Justification				
MM23	Page 76	Chapter Title	4 PREFERRED AND RESERVE MINERAL SITES FOR PRIMARY	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.				
MM24	Page 76	Paragraph 4.4	provide for the following amount of mineral resource up to 2029,	Amends explanatory text to Policy P1 to explain the differentiation between Preferred and Reserve Sites by way of change to Policy S6 of the MLP.				
MM25	Page 76	Paragraph 4.5		Amends explanatory text to Policy P1 to explain the				

			This is comprised of 16 allocations on 10 sites, of which 13 are extensions to existing quarries and 3 are new sites. Of these 16 allocations 2 would be Reserve Sites.	differentiation between Preferred and Reserve Sites by way of change to Policy S6 of the MLP.
MM26	Page 76	Paragraph 4.7	Amend second sentence as follows: A Sustainability Appraisal Report is also available as a supporting document explaining how Sustainability Appraisal/ Strategic Environmental Assessment (SA/ SEA) has informed and influenced the selection of the Preferred sites.	Cross reference to the selection of sites now including more than one type of 'site'.
MM27	Page 77	Policy P1	Amend as follows: In the case of Preferred Sites for sand and gravel extraction, the principle of extraction has been accepted and the need for the release of mineral proven. In the case of Reserve Sites for sand and gravel extraction, the principle of extraction has also been accepted, however, the release of minerals from these sites is subject to the landbank falling below seven years. The Mineral Planning Authority will grant planning permission for sand and gravel workings within the Preferred and Reserve Sites, listed in Table 5 (Preferred and Reserve Sites for land won Sand and Gravel Provision) and as shown on the Policies Map, subject to the proposal meeting the detailed development requirements	Clarifies the differentiation in principle between Preferred and Reserve Sites which comes down to reserve sites being phased on the basis that the full plan provision may not be needed over the Plan period. As with Policy S6 it sets out that the mechanism for bringing reserve site forward is based on the size of the land-bank. Both Preferred and Reserve sites have been through a robust site selection process and are deemed to be socially
			set out in Appendix $\frac{5}{1}$, other relevant policies of the Development Plan for Essex and any other material considerations.	and environmentally acceptable. None-the-less preferred sites have been redefined as reserve sites on the basis of those that are least

				desirable at the present time. Differentiating between preferred and reserve sites has been undertaken with reference to the full site selection process and in particular Stages 3-5. This process is set out in the attached addendum. As explained in the addendum the site selection process has been further refined through particular preference to those preferred sites which may ultimately provide for the best possible geographic dispersal across the County.
MM28	Page 77	Table 5	Amend title as follows: Table 4 Preferred <mark>and Reserve</mark> Sand and Gravel Sites	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM29	Page 77	Table 5	Insert new header above row one of table as follows: Preferred Sand and Gravel Sites:	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM30	Page 78	Table 5	Insert new header below row 16 (B1 Slough Farm) as follows: <mark>Reserve Sand and Gravel Sites</mark>	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM31	Pages	Table 5	Move rows four and five of table (A6 & A7 Bradwell Quarry) to	Cross references the addition of

	77 & 78			the term `reserve sites' introduced into Policy S6 of the MLP.
MM32	Page 78	Table 5	Delete Note 2	Reflecting the introduction to reserve sites and preference towards Preferred Sites.
MM33	Page 80	Paragraph 4.10	The Preferred <u>and Reserve</u> Sites are site specific allocations and the site boundary delineated in the respective site profile is the	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM34	Page 80	Paragraph 4.11	Insert new sentence at end of paragraph as follows: This applies equally to Reserve Sites, however, for extraction to be supported at Reserve Sites the need for mineral extraction would require to be demonstrated. Such need could only be demonstrated if the landbank falls below 7 years.	Further explanation to assist understanding of the difference between Preferred and Reserve Sites by way of change to Policy S6 of the MLP.

Chapter Five DEVELOPMENT MANAGEMENT POLICIES

Ref.	Page No.	Policy/Para/ Table/ Figure No.	Modification	Justification
MM35	Page 85	Paragraph 5.29	development proposed in this Plan has been informed at all stages by a Strategic Flood Risk Assessment (SFRA). Those	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.

	Chapter Six IMPLEMENTATION, MONITORING AND REVIEW					
Ref.	Page No.	Policy/Para/ Table/ Figure No.	Modification	Justification		
MM36	Page 94	Paragraph 6.2				
MM37	Page 94	Paragraph 6.3	Amena first and second sentences as follows:	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the		

				MLP.
			The Table below denotes existing permitted sites, the new Preferred <u>and Reserve</u> Sites as allocated within this Plan and as set out in Section 4 and Tables 5 and 6, and the current mineral operator assigned with that site. The 'Preferred <u>and Reserve</u> Sites' for future mineral extraction will only be developed if brought forward by the respective mineral operator (with the landowners' support).	
MM38		Table 7	Amend third column heading as follows:	Cross references the addition of the term `reserve sites' introduced into Policy S6 of the
	95		Existing, or Preferred or Reserve Site	MLP.
	Page 94	Table 7	Amend fourth rows and insert new row below as follows: Site Operator: Blackwater Aggregates Sites:Bradwell Quarry, Rivenhall Airfield (Sites A2 - A7 <u>A5</u>) (Extension to Bradwell Quarry) Existing, Reserve or Preferred Site: Preferred Sites: <u>Bradwell Quarry, Rivenhall Airfield (Sites A6 and A7)</u> (Extension to Bradwell Quarry)Existing, Reserve or Preferred Site: <u>Reserve</u>	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM40	Pages 95 &	Paragraph 6.4	Amend as follows:	Further explanation to assist understanding of the difference
	96		Subject to planning permission being granted, and based on the	between Preferred and Reserve

			information provided by Site Promoters, the 'Preferred and <u>Reserve</u> Sites' would come into operation in a phased manner across the plan period. This Phasing information was provided to the Council by Site Promoters and <u>it</u> is both outside of the considered unnecessary to control the release of Preferred <u>Sites beyond being of the Council and</u> subject to external market forces. However for Reserve Sites it is considered necessary that <u>need for their extraction should be demonstrated to ensure that</u> <u>oversupply does not take place.</u> It is considered that the indicative phasing is such that sand and gravel will be available to serve the Essex market throughout the plan period.	Sites by way of change to Policy S6 of the MLP.
MM41	Page 98	Table 8		Collection of such data would assist in any future consideration for the desirability to create a separate building sand land-bank within the Plan area.

			Responsibility: ECC and mineral operators.	
MM42	Page 98	Table 8	Insert new monitoring indicator three (numbering of subsequent indicators to be updated) as follows: Indicator: Contribution of marine dredged sources towards overall aggregate provision Related Policy: Policy S6: Provision for Sand and Gravel Extraction. Target: That if marine imports come within 90% of wharf capacity in Greater Essex then a review is undertaken to determine whether capacity is constraining the landing of marine dredged aggregate and the potential for increasing capacity at either existing or new transhipment sites. Implementation: Engaging with the minerals industry, adjoining port and district authorities where landings occur to retain or increase existing processing capacity. Data Source: Bespoke investigation of wharf capacity Frequency: Annually through AMR Responsibility: ECC, minerals industry, adjoining authorities and port companies.	Marine dredged aggregate forms an important part of the overall supply of aggregate. Not-withstanding none is landed on wharfs in the Plan area, it is desirable to monitor operational constraints around landing facilities particularly those in the adjoining authority of Thurrock and review the ability for its continued or even increased contribution as a substitute for a portion of the land won plan provision.
MM43	Page 99	Table 8	Amend Target for Indicator three as follows: At least 30mt at any time, with <u>Maintenance of a 7 year</u> <u>landbank based on a</u> production potential of 4.31 mtpa from permitted pits for a period of seven years.	Confirms that the size of the land-bank represents the key indicator for determining whether reserve sites should therefore be brought forward as

				set out in Policy S6.
MM44	Page 99	Table 8	Amena Implementation for Indicator three as follows: Identification of sites to be promoted with mineral industry Bringing forward unimplemented Preferred or Reserve Sites when the landbank is in danger of falling below 7 years, target level	Confirms that the size of the land-bank represents the key indicator for determining whether reserve sites should therefore be brought forward as set out in Policy S6.

	Chapter Seven - REFERENCE MATERIAL						
Ref.	Page No.	Policy/Para/ Table/ Figure No.	Modification	Justification			
MM45	Page 113	Glossary of Terms	Definition: An area containing mineral resources which can be identified with a high degree of provision and identified with this	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.			
MM46	Page 114	Glossary of Terms	Term: <u>Reserve Sites</u>	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.			

	(permission granted) until the landbank falls below 7 years.	

			Appendix Five Site Profiles for Preferred Sites	
Ref.	Page No.	Policy/Para/ Table/ Figure No.	Modification	Justification
MM47	Page 137	Appendix Five		To reflect deletions of appendices 1-4 and to cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM48	Page 137	Appendix Five	This Appendix contains a complete set of individual Site Profiles for each of the proposed Preferred <u>and Reserve</u> Sites subject to Policy P1 Each Site Profile covers the site location, site	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM49	Page 137		A6 Bradwell Quarry, Rivenhall <u>(Reserve Site)</u>	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.
MM50	Page 138	Appendix Five		To avoid duplication for specific issues to be addressed for sites

(Amended text in point five is in bold) as follows:	АЗ-А7.
A3, A4, A5, A6 & A7 Bradwell Quarry, Rivenhall Airfield	Cross references the addition of
A3, A4, A5, A6 & A7: Specific issues to be addressed	the term `reserve sites' introduced into Policy S6 of the MLP.
The following issues apply to all five sites:	
<u>1. Mineral from the site would be processed through the existing processing plant.</u>	
2. Mineral traffic would use the existing main site access, and HGV movements would be restricted in line with current levels of working to avoid adverse impacts to the A120. The phasing of site working would need to reflect HGV movement limitations. A Transport Assessment would be required.	
3. Improvements to the crossing points at Ash Lane and Church Road would be required.	
4. There has been a long history of settlement and occupation within this landscape. An historic environment assessment would be required with any application/ EIA.	
5. The sites comprise the best quality Grade 2 agricultural soils and it is expected that these would be retained on site during restoration.	
6. A Masterplan would be required covering the Bradwell Quarry in its entirety. This would ensure all pre-extraction activity, site working and restoration is considered as a whole and restoration potential is maximised including the opportunity for significant	

			biodiversity enhancement and habitat creation on site. The first	
			Preferred Site for Bradwell Quarry for which there is an	
			application (e.g., from the sites A3-A7) should provide	
			indicative phasing,/ restoration levels/and after-uses for all the	
			Bradwell Quarry Preferred and Reserve Sites as part of the Masterplan. and The developer shall be expected to enter into a	
			legal agreement to ensure that any subsequent applications for	
			Preferred or Reserve Sites at Bradwell Quarry shall be in	
			accordance with the Masterplan and indicative	
			phasing/restoration levels/ after-uses. Careful consideration	
			must be given to the final low-level restoration contours to ensure	
			the final landform blends with the surrounding topography and	
			could blend with the levels and planting of the strategic waste	
			management development (Ref ESS/37/08/BTE) if implemented.	
				Editing changes to shorten,
	Page		Move map from page 148 and update to show Preferred and	streamline or simplify the
MM51	139	Appendix Five	Reserve site boundaries.	
				plan in preparation for adoption.
			Amend page title as follows:	Cross references the addition of
MM52	Page	Table 12	, mena page lide as fonomer	the term 'reserve sites'
11152	144		A6 Bradwell Quarry, Rivenhall Airfield <u>- Reserve Site</u>	introduced into Policy S6 of the
				MLP.
		Site A6,	Insert new point as follows:	Implements the mechanism
		Specific		intended for how plan provision
MM53	-	-	1. Applications for extraction at this site are not supported until	is effectively being phased
			such time as the landbank falls below 7 years.	across the Plan period as set out
				in Policy S6.
			Amend page title as follows:	Cross references the addition of
MM54	Page	Table 13		the term 'reserve sites'
	146		A7 Bradwell Quarry, Rivenhall Airfield <u>- Reserve Site</u>	introduced into Policy S6 of the
				MLP.

MM55	Daga	Site A7, Specific	Insert new point as follows:	Implements the mechanism intended for how plan provision is effectively being phased
MM55			1. Applications for extraction at this site are not supported until such time as the landbank falls below 7 years	across the Plan period as set out in Policy S6.

Appendix Nine Consultation Procedure for Mineral Safeguarding Areas				
Ref.	Page No.	Policy/Para/ Table/ Figure No.	Modification	Justification
MM56	Page 207	Table 38	Amend MCA column header as follows: MCA (N.B. The MPA would wish to be consulted on any planning application for development on Development MSA an existing minerals development _r or Preferred <u>or Reserve</u> Site)	Cross references the addition of the term 'reserve sites' introduced into Policy S6 of the MLP.