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Memorandum

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Subject	**Landscaping Area Recalculation**	**Project Name**	M11 Junction 7A
Attention	Grainne O'Keefe	**Project No.**	B3553F09
From	Suki Coe		
Date	24 May 2017		
Copies to	**Ian Allen** **Paul Manamike** **Andrew Brookes** **Helen Kemm**		

As a result of a more detailed assessment of the biodiversity offsetting report, errors were noted within the landscape planting figures submitted with the Environmental Statement for M11 Junction 7A.

Attached below is a detailed breakdown which shows a comparison between the originally measured areas of vegetation removal and planting, and the re-measured areas. As can be seen, the areas of planting are significantly below those originally presented in the Environmental Statement. However, it still remains that Essex County Council will be committing to 6.6 ha of woodland, hedge and shrub planting with an additional area exceeding 6 ha of species rich grassland. This represents close to a doubling of the areas of woodland, scrub and hedge which would be removed.

In addition, there would be 327 Standard or larger individual trees, to include 55 Standard trees within hedgerows, which would be planted to compensate for the small number of individual trees to be removed.

ES Original and Re-measure Comparison Tables

Existing woody vegetation (canopy area) to be removed	ES (Hectares)	Re-measure (Hectares)
Mature woodland protected by Tree Preservation Order	0.43	0.44
Semi-mature woodland and scrub vegetation on the M11 cuttings and embankment slopes	1.62	1.64
Other woodland and scrub vegetation	1.50	1.42
Hedges: 446 linear metres at an estimated average width of 2.5m = 1115m^2 Re-measure: 818m = 2045 m^2	0.11	0.2
TOTAL	**3.66**	**3.7**

Planting Types	ES (Hectares)	Re-measure (Hectares)
Native woodland planting: 90% transplants at average 2m spacing with 10% Feathered size plants	16.72	5.03
Native hedge planting: double staggered line of transplants (5 plants per linear metre), 4411 linear metres with average 2.5m canopy width when grown = 11,027m^2 Re-measure 4647 linear metres = 11617 m^2	1.10	1.16
Native shrub planting: transplants at average 1.5m spacing	1.01	0.25
Amenity shrub and groundcover (dense planting)	0.94	0.16
TOTAL PLANTATION AREAS	**19.77**	**6.6**
PLUS		
Proposed areas of scattered native scrub planting (clumps of scrub transplants in open grassland (including the grass areas) 1.83 hectares X 0.25 to get approximate planted area	0.46	0.27
ES:361 individual trees standard size or larger. Re-measure 327 + 29 Feathered Willows	N/A	N/A
Areas to be seeded and managed as species rich grassland (adjusted to allow for scattered scrub and hedges in some areas) All proposed species-rich grassland areas are currently arable fields apart from a few small fragments that would replace small portions of existing hedge and M11 regraded side-slopes.	–	6.28