Key (all Phase 1 categories across scheme)

- Target Notes
- Tree
- Scattered Scrub
- Fence
- Wall
- Native Species Rich Intact Hedgerow
- Species-poor Intact Hedgerow
- Hedgerow With Trees
- Defunct Hedgerow
- Running Water
- Dry Ditch
- Marginal Vegetation
- Broad-leaved Plantation Woodland
- Coniferous Plantation Woodland
- Scrub
- Tall Ruderal
- Poor Semi-improved Grassland
- Calcareous Semi-improved Grassland
- Neutral Semi-improved Grassland
- Swamp
- Improved Grassland
- Amenity Grassland
- Arable
- Open Water
- Building
- Hardstanding
- Introduced Shrub
- Bare Ground
- St Catherine's Hill Cutting
- Broad-leaved Semi-natural Woodland

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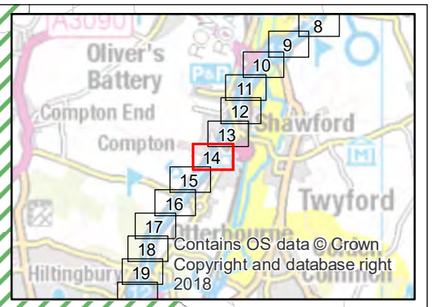

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

- Target notes
- Fence
- Wall
- Broad-leaved plantation woodland
- Scrub
- Tall ruderal
- Poor semi-improved grassland
- Neutral semi-improved grassland
- Improved grassland
- Amenity grassland
- Open water
- Building
- Hardstanding

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 14 OF 34**

	Status S3	Revision P01.1	
Scale	1:2,000	Date 23/04/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

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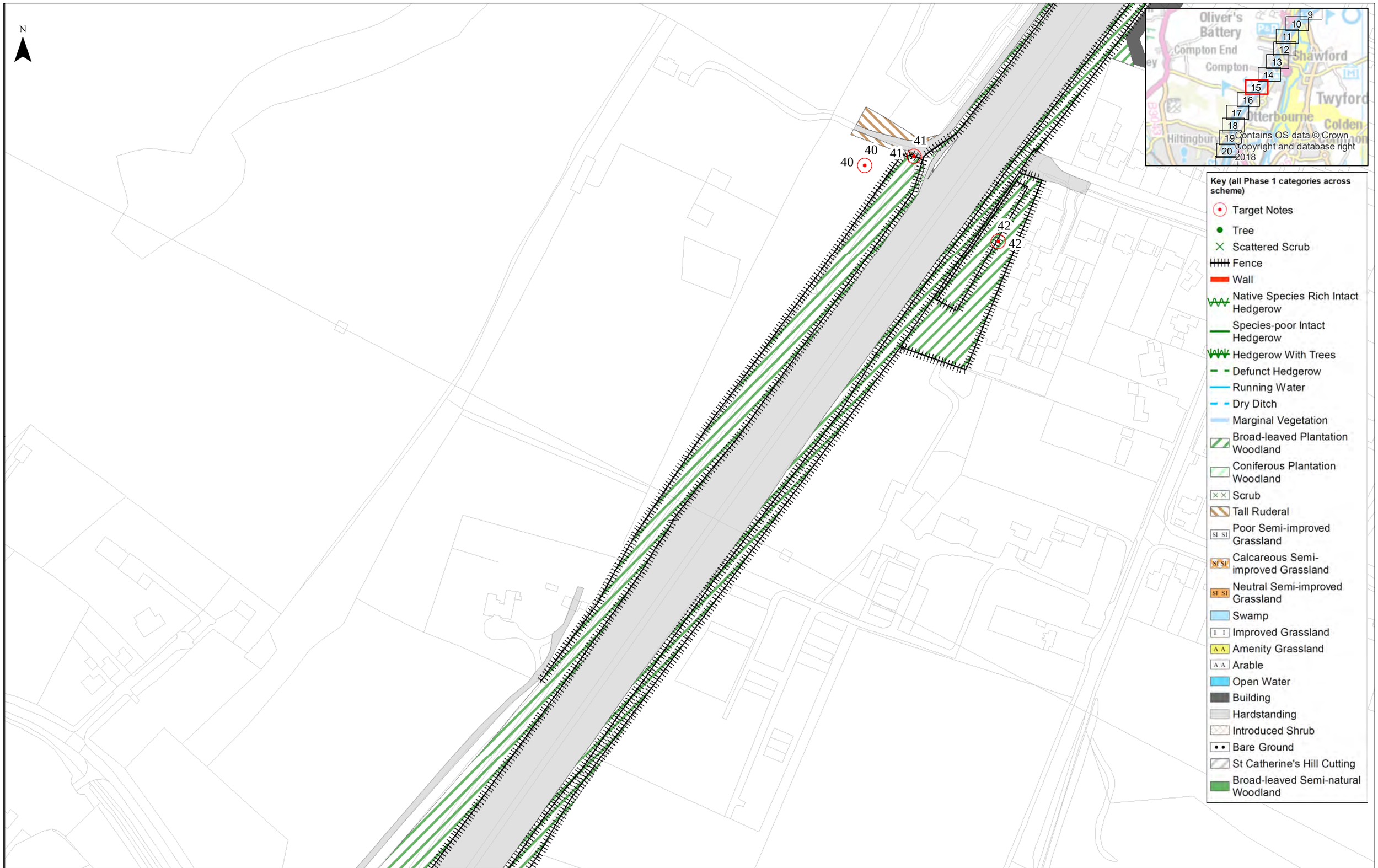

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

- Target notes
- Fence
- Dry ditch
- Broad-leaved plantation woodland
- Scrub
- Tall ruderal
- Poor semi-improved grassland
- Neutral semi-improved grassland
- Improved grassland
- Amenity grassland
- Open water
- Building
- Hardstanding

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 15 OF 34**

	Status S3	Revision P01.1	
Scale	1:2,000	Date 23/04/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

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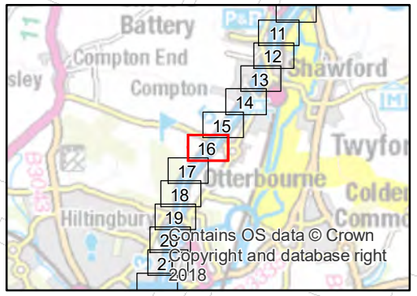

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Key (all Phase 1 categories across scheme)

- Target Notes
- Tree
- Scattered Scrub
- Fence
- Wall
- Native Species Rich Intact Hedgerow
- Species-poor Intact Hedgerow
- Hedgerow With Trees
- Defunct Hedgerow
- Running Water
- Dry Ditch
- Marginal Vegetation
- Broad-leaved Plantation Woodland
- Coniferous Plantation Woodland
- Scrub
- Tall Ruderal
- Poor Semi-improved Grassland
- Calcareous Semi-improved Grassland
- Neutral Semi-improved Grassland
- Swamp
- Improved Grassland
- Amenity Grassland
- Arable
- Open Water
- Building
- Hardstanding
- Introduced Shrub
- Bare Ground
- St Catherine's Hill Cutting
- Broad-leaved Semi-natural Woodland

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Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes	Dry ditch	Neutral semi-improved grassland	Hardstanding
Tree	Broad-leaved plantation woodland	Improved grassland	
Fence	Scrub	Amenity grassland	
Running water	Tall ruderal	Open water	
	Poor semi-improved grassland	Building	

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 16 OF 34**

Status	S3	Revision	P01.1
Scale	1:2,000	Date	23/04/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No.	HA PIN Originator	Original Size	A3
Drawing number	Volume Location Type Role Number		
	HE549338-MMSJV-EGN-000-DR-YE-00018		

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

- Target notes
- Fence
- Running water
- Broad-leaved plantation woodland
- Scrub
- Tall ruderal
- Poor semi-improved grassland
- Neutral semi-improved grassland
- Improved grassland
- Amenity grassland
- Open water
- Building
- Hardstanding

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 17 OF 34**

	Status S3	Revision P01.1
Scale	1:2,000	Date 23/04/2018
Drawn By	MH	
Checked By	SW	
Approved By	RM	
Project No. HA PIN Originator		Original Size A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018	

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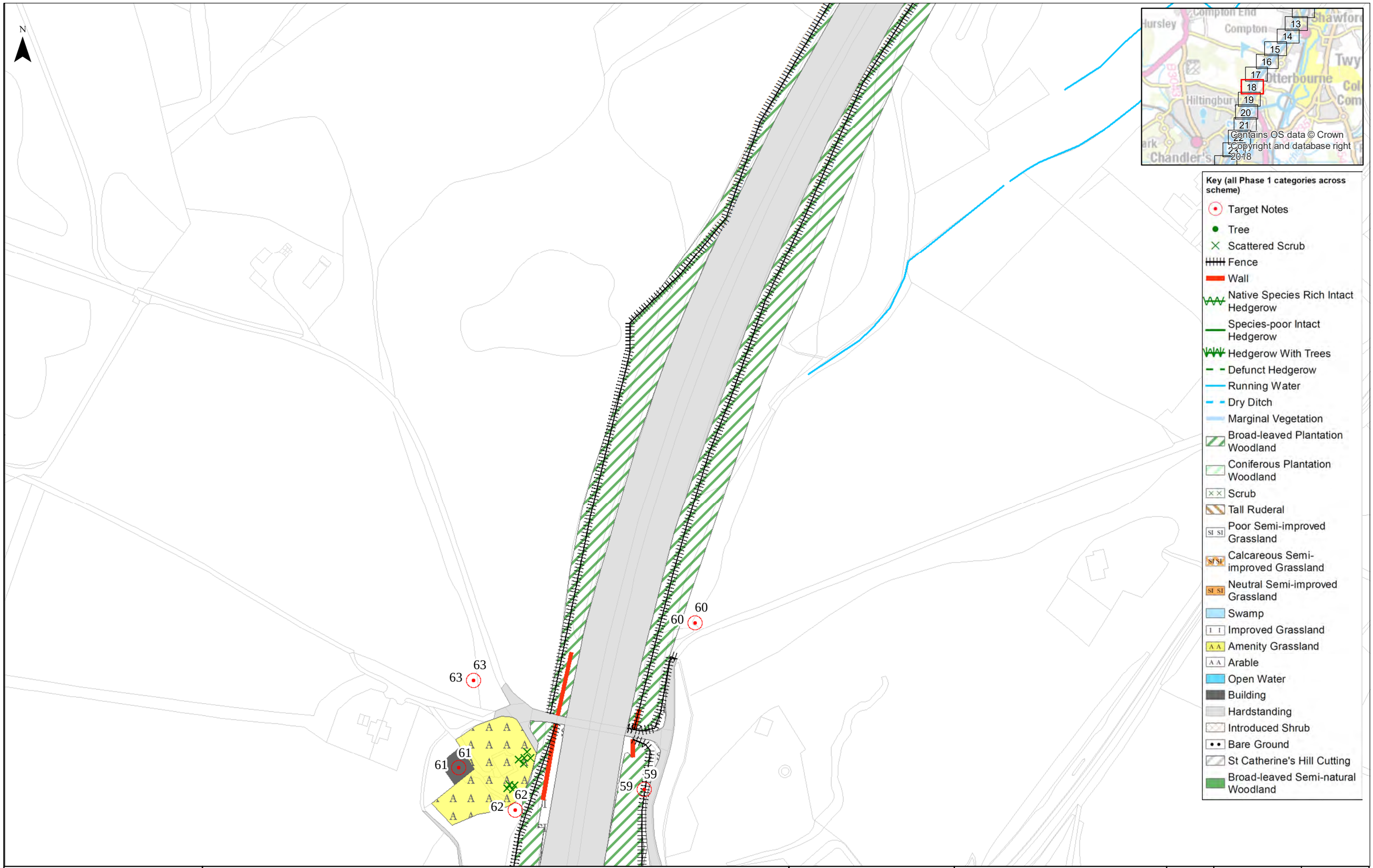

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes	Running water	Neutral semi-improved grassland	Hardstanding
Scattered scrub	Broad-leaved plantation woodland	Improved grassland	
Fence	Scrub	Amenity grassland	
Wall	Tall ruderal	Open water	
	Poor semi-improved grassland	Building	

Client: highways england

Mott MacDonald Sweco

Project: SMART MOTORWAY PROGRAMME ---M3 J9 to 14---

Drawing Title: EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 18 OF 34

Status	S3	Revision	P01.1
Scale	1:2,000	Date	23/04/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

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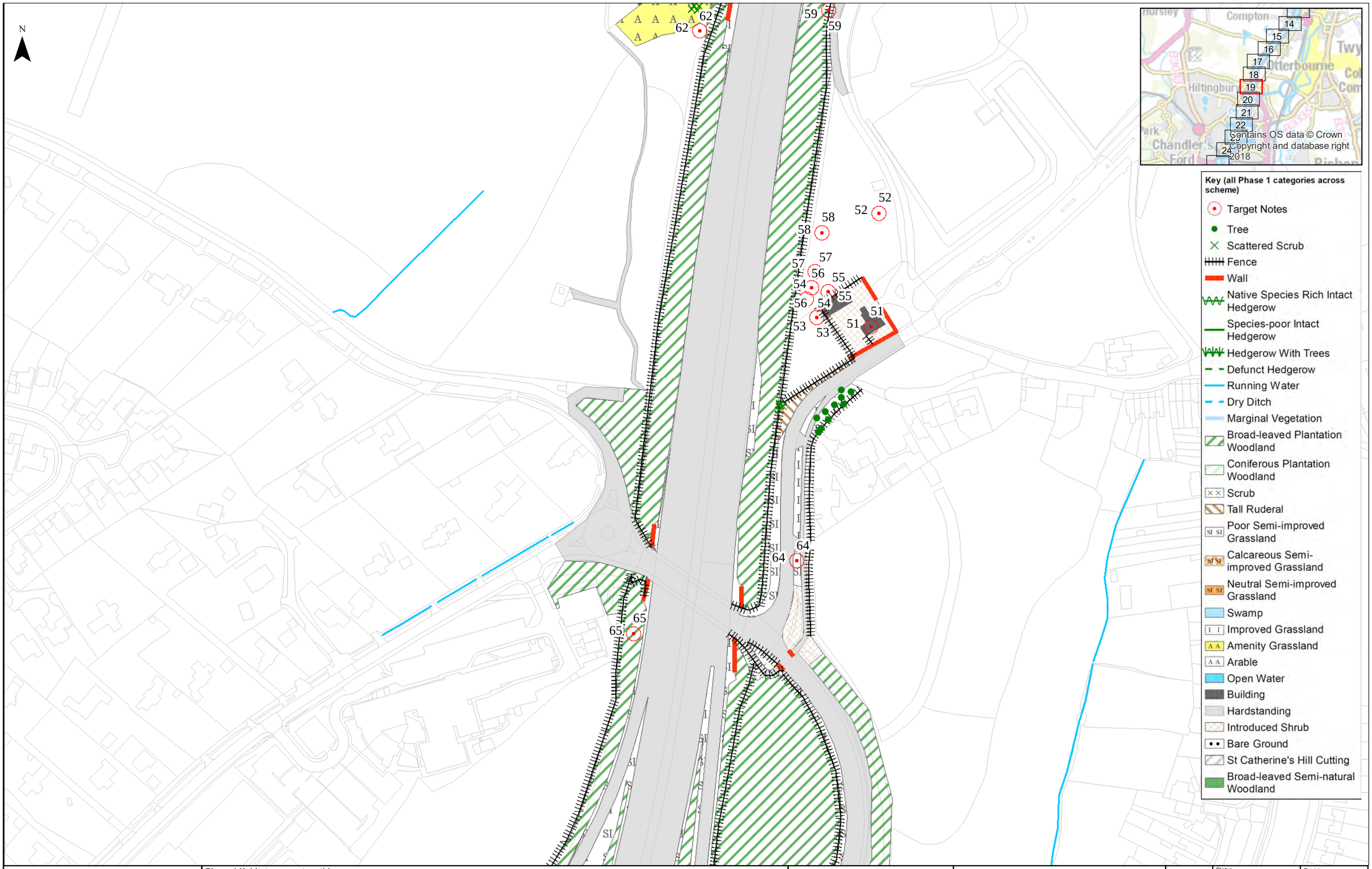

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes	Wall	Poor semi-improved grassland	Building
Tree	Running water	Neutral semi-improved grassland	Hardstanding
Scattered scrub	Broad-leaved plantation woodland	Improved grassland	Introduced shrub
Fence	Scrub	Amenity grassland	
	Tall ruderal	Open water	

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME**
---M3 J9 to 14---

Drawing Title:
EAR FIGURE 8.1
PHASE 1 HABITAT SURVEY
MAP 19 OF 34

Status	S3	Revision	P01.1
Scale	1:2,000	Date	23/04/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA	PIN	Originator	Original Size A3
Drawing number Volume	Location	Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018

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Phase 1 Habitats present on this page

- Target notes
- Tree
- Fence
- Wall
- Native species-rich intact hedgerow
- Species-poor intact hedgerow
- Hedgerow with trees
- Defunct hedgerow
- Running water
- Broad-leaved plantation woodland
- Scrub
- Tall ruderal
- Poor semi-improved grassland
- Neutral semi-improved grassland
- Improved grassland
- Amenity grassland
- Open water
- Building
- Hardstanding
- Introduced shrub

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 20 OF 34**

	Status S3	Revision P01.1	
Scale	1:2,000	Date 23/04/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

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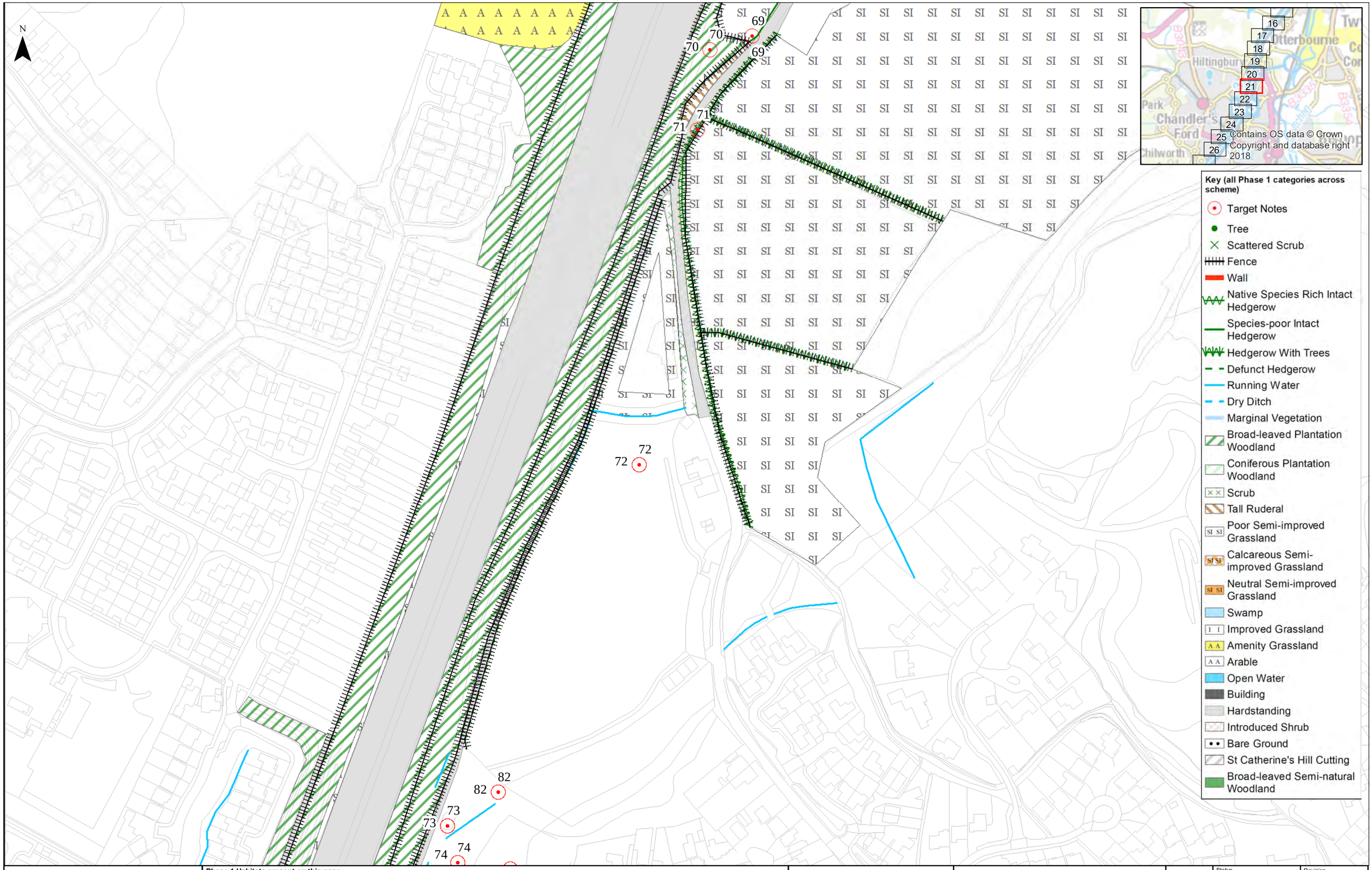

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

- Target notes
- Fence
- Native species-rich intact hedgerow
- Species-poor intact hedgerow
- Hedgerow with trees
- Defunct hedgerow
- Running water
- Broad-leaved plantation woodland
- Scrub
- Tall ruderal
- Poor semi-improved grassland
- Neutral semi-improved grassland
- Improved grassland
- Amenity grassland
- Open water
- Building
- Hardstanding
- Introduced shrub

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 21 OF 34**

Status	S3	Revision	P01.1
Scale	1:2,000	Date	23/04/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA	PIN	Originator	Original Size: A3
Drawing number Volume	Location	Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018

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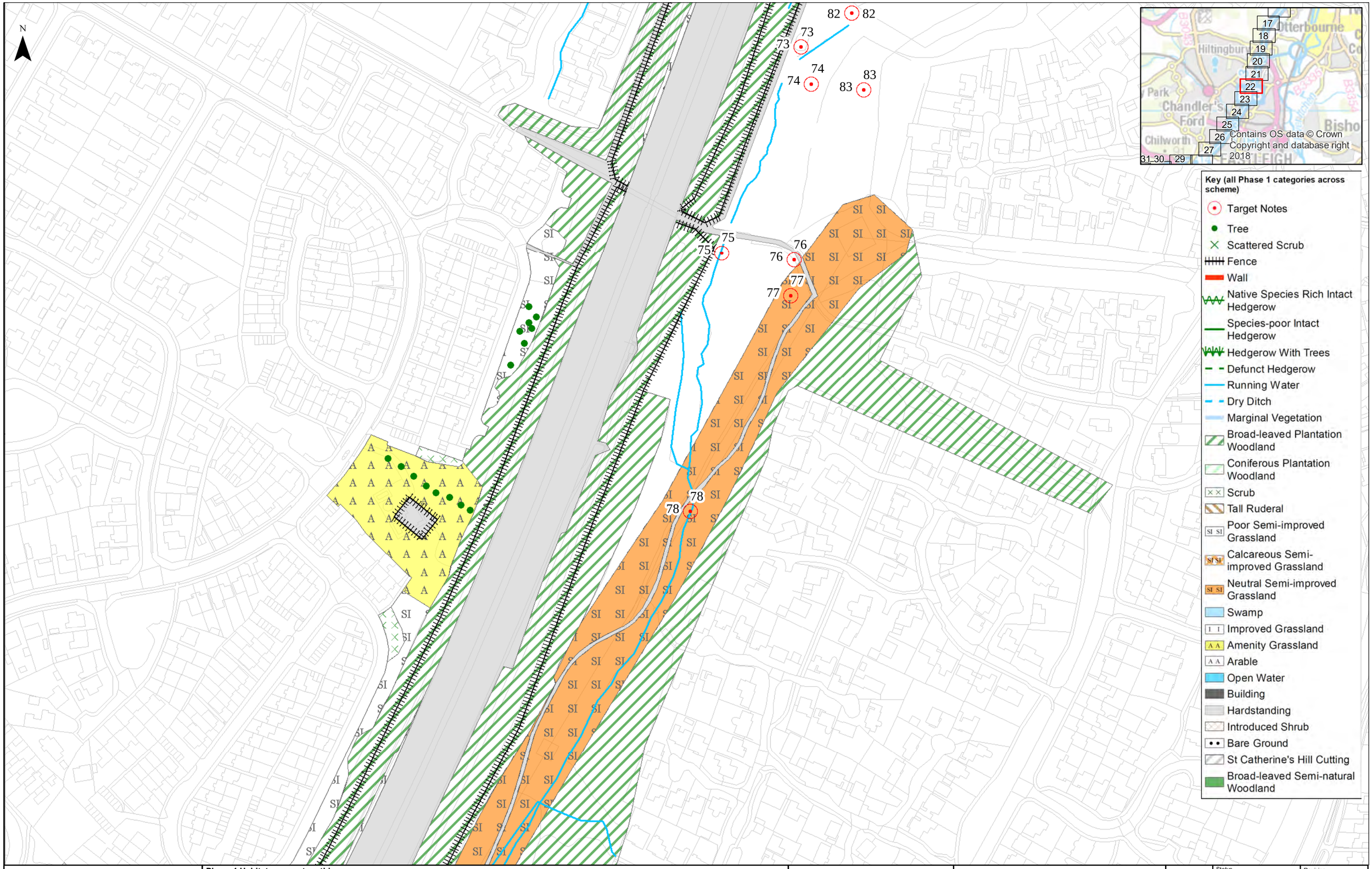

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes	Running water	Neutral semi-improved grassland	Hardstanding
Tree	Broad-leaved plantation woodland	Improved grassland	Introduced shrub
Fence	Scrub	Amenity grassland	
Defunct hedgerow	Tall ruderal	Open water	
	Poor semi-improved grassland	Building	

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 22 OF 34**

Status	S3	Revision	P01.1
Scale	1:2,000	Date	23/04/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

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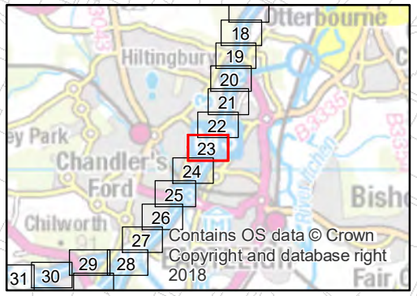

Key (all Phase 1 categories across scheme)

- Target Notes
- Tree
- Scattered Scrub
- Fence
- Wall
- Native Species Rich Intact Hedgerow
- Species-poor Intact Hedgerow
- Hedgerow With Trees
- Defunct Hedgerow
- Running Water
- Dry Ditch
- Marginal Vegetation
- Broad-leaved Plantation Woodland
- Coniferous Plantation Woodland
- Scrub
- Tall Ruderal
- Poor Semi-improved Grassland
- Calcareous Semi-improved Grassland
- Neutral Semi-improved Grassland
- Swamp
- Improved Grassland
- Amenity Grassland
- Arable
- Open Water
- Building
- Hardstanding
- Introduced Shrub
- Bare Ground
- St Catherine's Hill Cutting
- Broad-leaved Semi-natural Woodland

0 40 80
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes	Broad-leaved plantation woodland	Improved grassland	Introduced shrub
Tree	Scrub	Amenity grassland	
Fence	Tall ruderal	Open water	
Running water	Poor semi-improved grassland	Building	
	Neutral semi-improved grassland	Hardstanding	

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 23 OF 34**

Status	S3	Revision	P01.1
Scale	1:2,000	Date	23/04/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes	Wall	Poor semi-improved grassland	Building
Tree	Running water	Neutral semi-improved grassland	Hardstanding
Scattered scrub	Broad-leaved plantation woodland	Improved grassland	Introduced shrub
Fence	Scrub	Amenity grassland	
	Tall ruderal	Open water	

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 24 OF 34**

Status	S3	Revision	P01.1
Scale	1:2,000	Date	23/04/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

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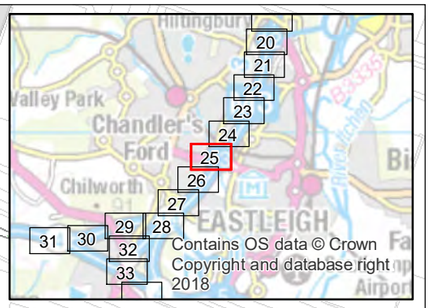

Key (all Phase 1 categories across scheme)

- Target Notes
- Tree
- Scattered Scrub
- Fence
- Wall
- Native Species Rich Intact Hedgerow
- Species-poor Intact Hedgerow
- Hedgerow With Trees
- Defunct Hedgerow
- Running Water
- Dry Ditch
- Marginal Vegetation
- Broad-leaved Plantation Woodland
- Coniferous Plantation Woodland
- Scrub
- Tall Ruderal
- Poor Semi-improved Grassland
- Calcareous Semi-improved Grassland
- Neutral Semi-improved Grassland
- Swamp
- Improved Grassland
- Amenity Grassland
- Arable
- Open Water
- Building
- Hardstanding
- Introduced Shrub
- Bare Ground
- St Catherine's Hill Cutting
- Broad-leaved Semi-natural Woodland

0 40 80
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes	Wall	Poor semi-improved grassland	Building
Tree	Running water	Neutral semi-improved grassland	Hardstanding
Scattered scrub	Broad-leaved plantation woodland	Improved grassland	Introduced shrub
Fence	Scrub	Amenity grassland	
	Tall ruderal	Open water	

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 25 OF 34**

Status	S3	Revision	P01.1
Scale	1:2,000	Date	23/04/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA	PIN	Originator	Original Size: A3
Drawing number Volume	Location	Type	Role Number
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Key (all Phase 1 categories across scheme)

- Target Notes
- Tree
- Scattered Scrub
- Fence
- Wall
- Native Species Rich Intact Hedgerow
- Species-poor Intact Hedgerow
- Hedgerow With Trees
- Defunct Hedgerow
- Running Water
- Dry Ditch
- Marginal Vegetation
- Broad-leaved Plantation Woodland
- Coniferous Plantation Woodland
- Scrub
- Tall Ruderal
- Poor Semi-improved Grassland
- Calcareous Semi-improved Grassland
- Neutral Semi-improved Grassland
- Swamp
- Improved Grassland
- Amenity Grassland
- Arable
- Open Water
- Building
- Hardstanding
- Introduced Shrub
- Bare Ground
- St Catherine's Hill Cutting
- Broad-leaved Semi-natural Woodland

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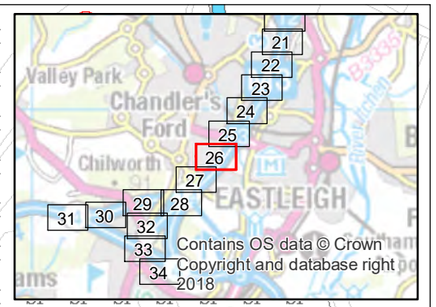

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Metres

Phase 1 Habitats present on this page

Target notes
Tree
Fence
Running water
Broad-leaved plantation woodland
Scrub
Poor semi-improved grassland
Neutral semi-improved grassland
Improved grassland
Amenity grassland
Open water
Building
Hardstanding

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 26 OF 34**

Status	S3
Revision	P01.1
Scale	1:2,000
Date	23/04/2018
Drawn By	MH
Checked By	SW
Approved By	RM
Original Size	A3

Project No. HA PIN Originator
Drawing number Volume Location Type Role Number
HE549338-MMSJV-EGN-000-DR-YE-00018

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00018_Phase 1 EAR.mxd

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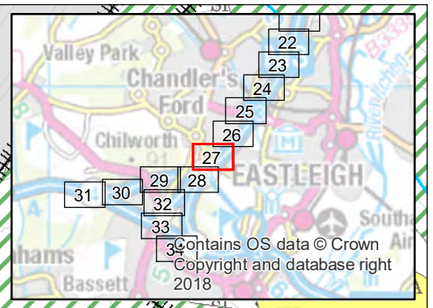
Key (all Phase 1 categories across scheme)

- Target Notes
- Tree
- Scattered Scrub
- Fence
- Wall
- Native Species Rich Intact Hedgerow
- Species-poor Intact Hedgerow
- Hedgerow With Trees
- Defunct Hedgerow
- Running Water
- Dry Ditch
- Marginal Vegetation
- Broad-leaved Plantation Woodland
- Coniferous Plantation Woodland
- Scrub
- Tall Ruderal
- Poor Semi-improved Grassland
- Calcareous Semi-improved Grassland
- Neutral Semi-improved Grassland
- Swamp
- Improved Grassland
- Amenity Grassland
- Arable
- Open Water
- Building
- Hardstanding
- Introduced Shrub
- Bare Ground
- St Catherine's Hill Cutting
- Broad-leaved Semi-natural Woodland

N



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0 40 80
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes
Tree
Scattered scrub
Fence
Running water
Broad-leaved plantation woodland
Scrub
Poor semi-improved grassland
Neutral semi-improved grassland
Improved grassland
Amenity grassland
Open water
Building
Hardstanding

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 27 OF 34**

	Status S3	Revision P01.1	
Scale	1:2,000	Date 23/04/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00018_Phase 1 EAR.mxd

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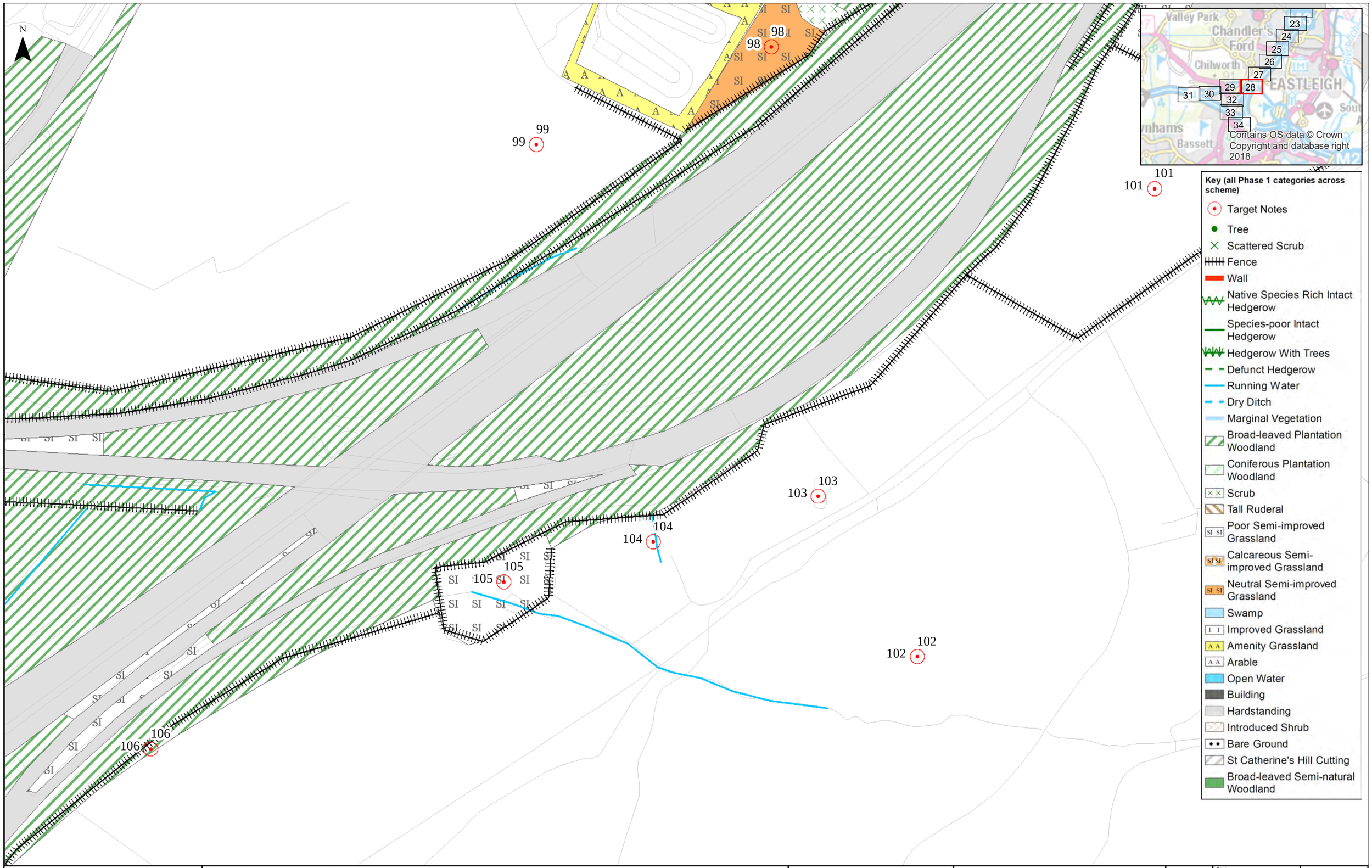

0 40 80
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes	Fence	Poor semi-improved grassland	Open water
Tree	Running water	Neutral semi-improved grassland	Building
	Broad-leaved plantation woodland	Improved grassland	Hardstanding
Scattered scrub	Scrub	Amenity grassland	

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 28 OF 34**

	Status S3	Revision P01.1	
Scale	1:2,000	Date 23/04/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00018_Phase 1 EAR.mxd

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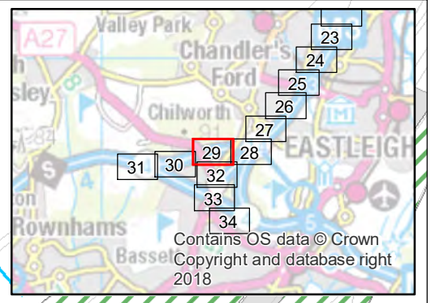
Key (all Phase 1 categories across scheme)

- Target Notes
- Tree
- Scattered Scrub
- Fence
- Wall
- Native Species Rich Intact Hedgerow
- Species-poor Intact Hedgerow
- Hedgerow With Trees
- Defunct Hedgerow
- Running Water
- Dry Ditch
- Marginal Vegetation
- Broad-leaved Plantation Woodland
- Coniferous Plantation Woodland
- Scrub
- Tall Ruderal
- Poor Semi-improved Grassland
- Calcareous Semi-improved Grassland
- Neutral Semi-improved Grassland
- Swamp
- Improved Grassland
- Amenity Grassland
- Arable
- Open Water
- Building
- Hardstanding
- Introduced Shrub
- Bare Ground
- St Catherine's Hill Cutting
- Broad-leaved Semi-natural Woodland

N



107
108
109

0 40 80
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes
Fence
Running water
Broad-leaved plantation woodland
Scrub
Poor semi-improved grassland
Neutral semi-improved grassland
Improved grassland
Open water
Building
Hardstanding

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 29 OF 34**

	Status S3	Revision P01.1	
Scale	1:2,000	Date 23/04/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

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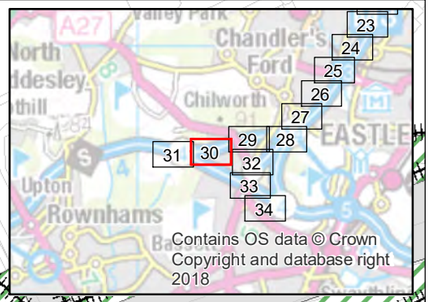
Key (all Phase 1 categories across scheme)

- Target Notes
- Tree
- Scattered Scrub
- Fence
- Wall
- Native Species Rich Intact Hedgerow
- Species-poor Intact Hedgerow
- Hedgerow With Trees
- Defunct Hedgerow
- Running Water
- Dry Ditch
- Marginal Vegetation
- Broad-leaved Plantation Woodland
- Coniferous Plantation Woodland
- Scrub
- Tall Ruderal
- Poor Semi-improved Grassland
- Calcareous Semi-improved Grassland
- Neutral Semi-improved Grassland
- Swamp
- Improved Grassland
- Amenity Grassland
- Arable
- Open Water
- Building
- Hardstanding
- Introduced Shrub
- Bare Ground
- St Catherine's Hill Cutting
- Broad-leaved Semi-natural Woodland

N



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SI

111 112 113 110

0 40 80
Metres

Phase 1 Habitats present on this page

- Target notes
- Fence
- Running water
- Broad-leaved plantation woodland
- Poor semi-improved grassland
- Neutral semi-improved grassland
- Hardstanding

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Client: highways england

Mott MacDonald Sweco

Project: SMART MOTORWAY PROGRAMME ---M3 J9 to 14---

Drawing Title: EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 30 OF 34

	Status S3	Revision P01.1	
Scale	1:2,000	Date 23/04/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

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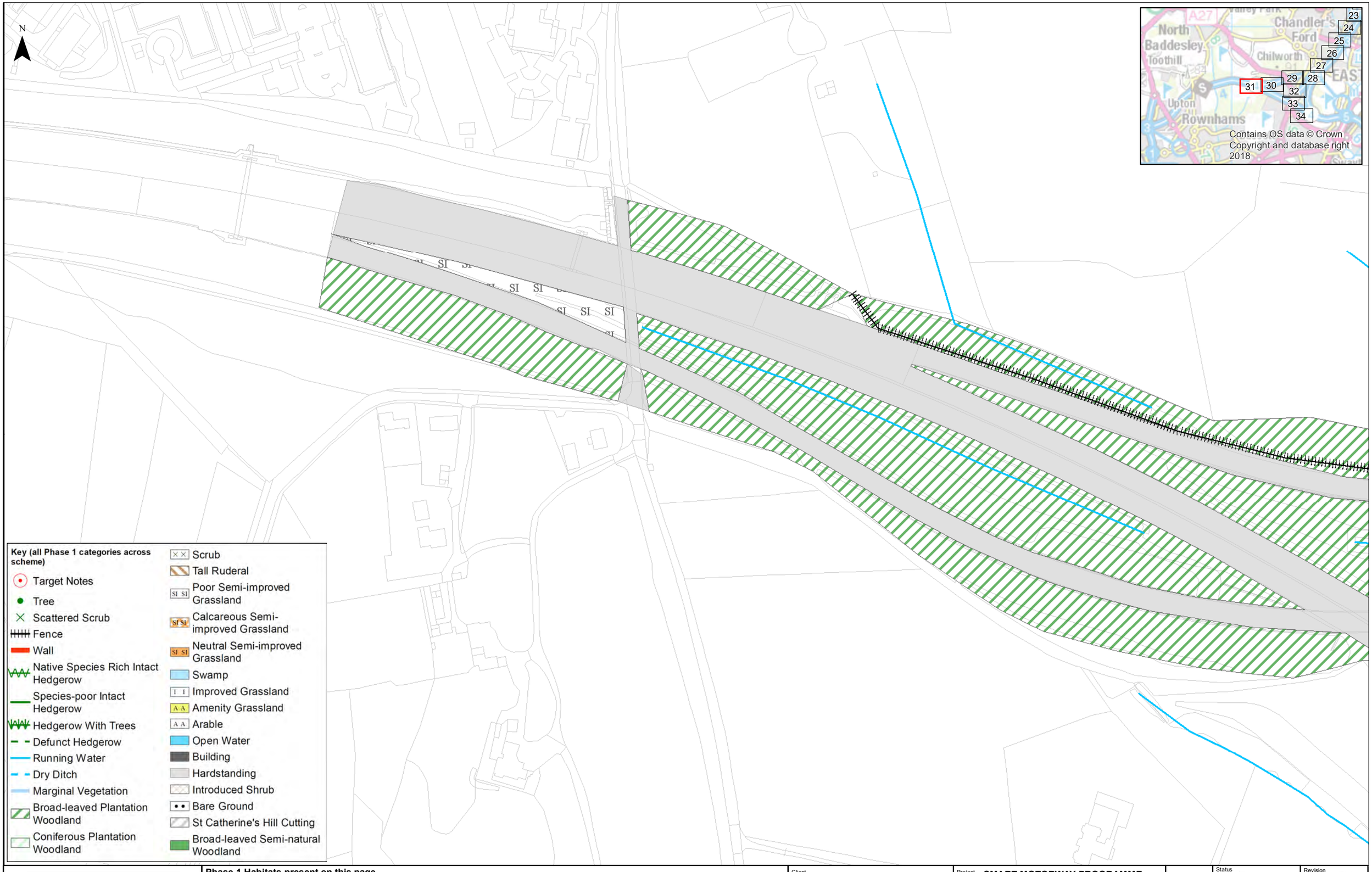

0 40 80
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Fence
Running water
Broad-leaved plantation woodland
Poor semi-improved grassland
Hardstanding

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 31 OF 34**

	Status S3	Revision P01.1	
Scale	1:2,000	Date 23/04/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

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0 40 80
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

Target notes
Fence
Running water
Broad-leaved plantation woodland
Scrub
Poor semi-improved grassland
Neutral semi-improved grassland
Improved grassland
Open water
Building
Hardstanding

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 32 OF 34**

	Status S3	Revision P01.1	
Scale	1:2,000	Date 23/04/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00018_Phase 1 EAR.mxd

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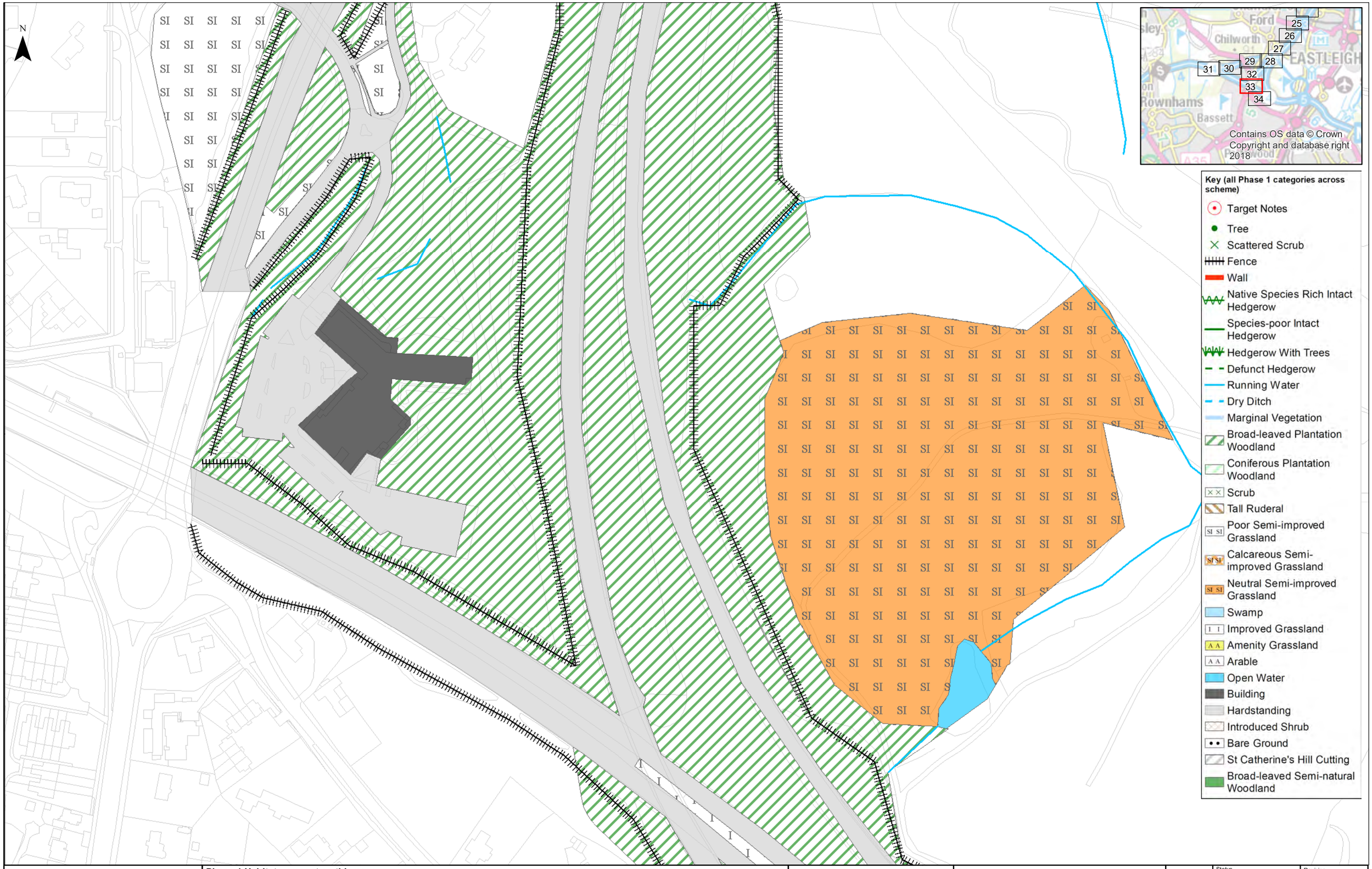

0 40 80
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

- Target notes
- Fence
- Running water
- Broad-leaved plantation woodland
- Scrub
- Poor semi-improved grassland
- Neutral semi-improved grassland
- Improved grassland
- Open water
- Building
- Hardstanding

Client: highways england

Mott MacDonald Sweco

Project: SMART MOTORWAY PROGRAMME ---M3 J9 to 14---

Drawing Title: EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 33 OF 34

Status	S3	Revision	P01.1
Scale	1:2,000	Date	23/04/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No.	HA PIN Originator	Original Size	A3
Drawing number	Volume Location Type Role Number		

HE549338-MMSJV-EGN-000-DR-YE-00018

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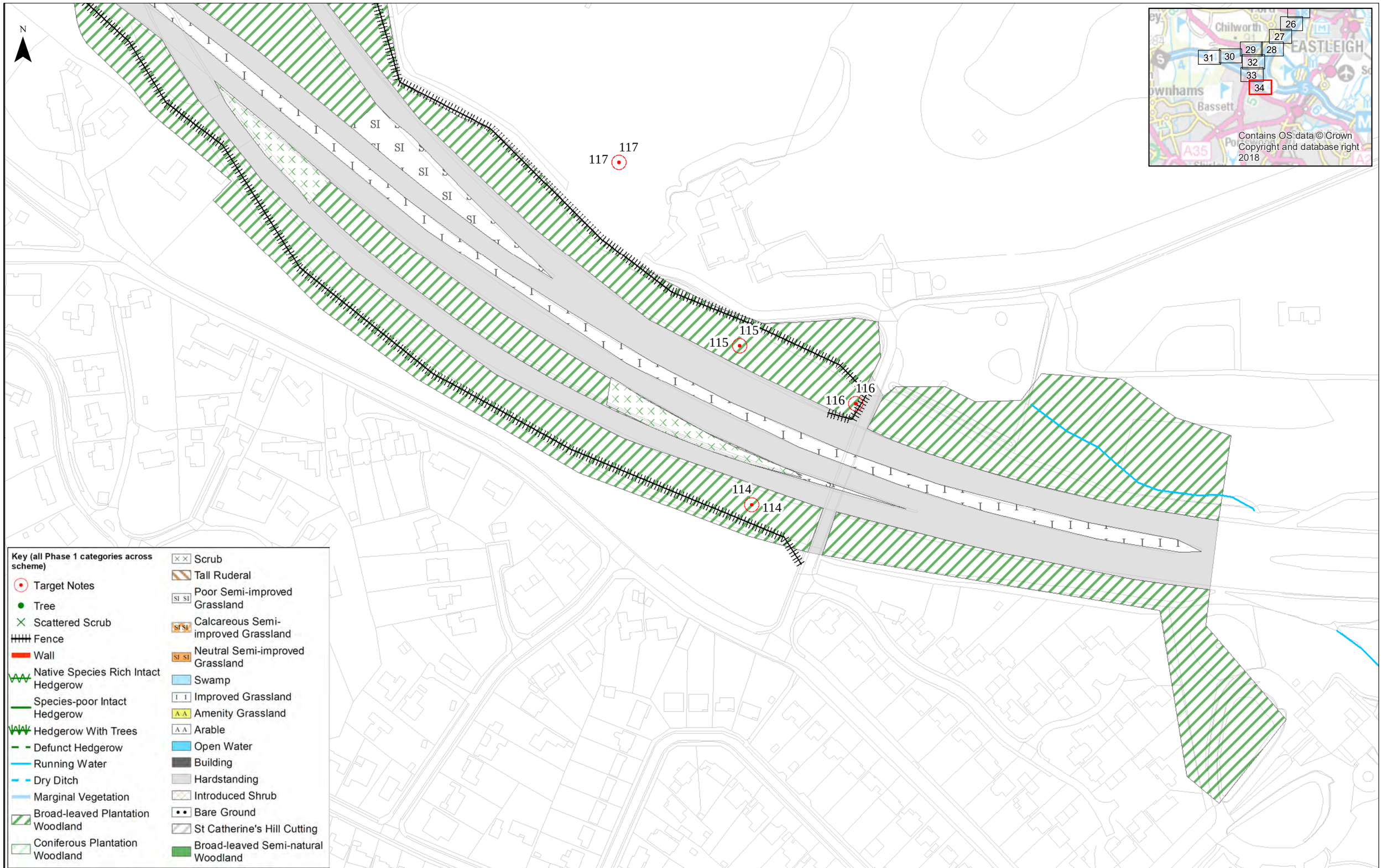

Key (all Phase 1 categories across scheme)

- Target Notes
- Tree
- Scattered Scrub
- Fence
- Wall
- Native Species Rich Intact Hedgerow
- Species-poor Intact Hedgerow
- Hedgerow With Trees
- Defunct Hedgerow
- Running Water
- Dry Ditch
- Marginal Vegetation
- Broad-leaved Plantation Woodland
- Coniferous Plantation Woodland
- Scrub
- Tall Ruderal
- Poor Semi-improved Grassland
- Calcareous Semi-improved Grassland
- Neutral Semi-improved Grassland
- Swamp
- Improved Grassland
- Amenity Grassland
- Arable
- Open Water
- Building
- Hardstanding
- Introduced Shrub
- Bare Ground
- St Catherine's Hill Cutting
- Broad-leaved Semi-natural Woodland

0 40 80
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.1	S3	23/04/2018	1st ISSUE	MH	SW	RM

Phase 1 Habitats present on this page

- Target notes
- Fence
- Running water
- Broad-leaved plantation woodland
- Scrub
- Poor semi-improved grassland
- Improved grassland
- Hardstanding

Client: highways england

Mott MacDonald Sweco

Project: SMART MOTORWAY PROGRAMME ---M3 J9 to 14---

Drawing Title: EAR FIGURE 8.1 PHASE 1 HABITAT SURVEY MAP 34 OF 34

	Status S3	Revision P01.1
Scale	1:2,000	Date 23/04/2018
Drawn By	MH	
Checked By	SW	
Approved By	RM	
Project No. HA PIN Originator		Original Size A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00018	

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N

River Itchen SAC

River Itchen SAC

102200

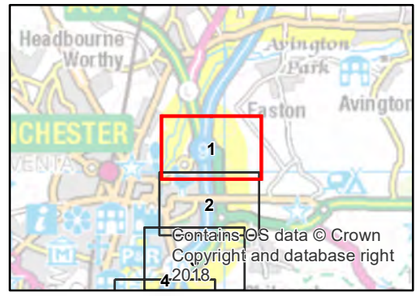
102400

102600

102800

103000

103200



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0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

Client

Project **SMART MOTORWAY PROGRAMME**
---M3 J9 to 14---

Drawing Title
EAR FIGURE 8.2
BIODIVERSITY CONSTRAINTS
MAP 1 OF 16

	Status S3	Revision P01.4	
Scale	1:5,000	Date 18/10/2018	
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00003		

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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N

River Itchen - SSSI

River Itchen SAC

103200

103400

103600

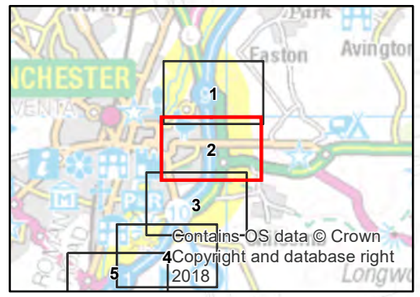
103800

104000

104200

Magdalen Hill Down SINC

Magdalen Hill Down North SINC



0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

Client

Project **SMART MOTORWAY PROGRAMME**
---M3 J9 to 14---

Drawing Title
EAR FIGURE 8.2
BIODIVERSITY CONSTRAINTS
MAP 2 OF 16

	Status S3	Revision P01.4	
Scale	1:5,000	Date 18/10/2018	
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00003		

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N

River Itchen SAC

River Itchen - SSSI

St Catherine's Hill (base) SINC

St. Catherine's Hill - SSSI

Chilcomb Ranges, Area A SINC

Deacon Hill SINC

Bat001

DM001

104400

104600

104800

105000

105200

105400

105600

200

400

0

1-GCN-76

1-GCN-49

1-GCN-73

1-GCN-42

1-GCN-41

1-GCN-91

1-GCN-39

1-GCN-108

1-GCN-106

1-GCN-103

1-GCN-38

1-GCN-97

1-GCN-80

1-GCN-101

1-GCN-82

1-GCN-115

1-GCN-116

1-GCN-94

1-GCN-99

1-GCN-104

1-GCN-78

1-GCN-111

1-GCN-96

1-GCN-162

1-GCN-119

1-GCN-118

1-GCN-129

1-GCN-120

1-GCN-126

1-GCN-154

1-GCN-144

1-GCN-127

1-GCN-146

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1-GCN-163

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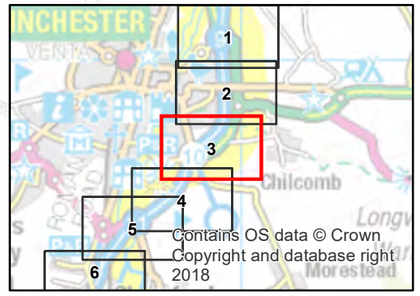
1-GCN-123



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0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds

- Scoped in

Potential reptile habitat

- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

Client

Project **SMART MOTORWAY PROGRAMME**
---M3 J9 to 14---

Drawing Title
EAR FIGURE 8.2
BIODIVERSITY CONSTRAINTS
MAP 3 OF 16

	Status S3	Revision P01.4	
Scale	1:5,000	Date 18/10/2018	
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA	PIN	Originator	Original Size A3
Drawing number Volume	Location	Type Role Number	
HE549338-MMSJV-EGN-000-DR-YE-00003			

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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River Itchen SAC

N

1-GCN-147
1-GCN-137
1-GCN-145
1-GCN-126
1-GCN-139
1-GCN-163
1-GCN-122
1-GCN-141
1-GCN-121
1-GCN-130
1-GCN-142
1-GCN-123
200
1-GCN-162
1-GCN-99
1-GCN-115
1-GCN-97
1-GCN-104
1-GCN-94
1-GCN-86
1-GCN-78
1-GCN-111
1-GCN-96

DM001

105600

St. Catherine's Hill - SSSI

River Itchen - SSSI

105800

The Dongas SINC

106000

Hockley Golf Course SINC

106200

106400

106600

DM002

St Catherine's Hill (base) SINC

0

0

106800

200

200

107000

Bat002

Bat003

River Itchen SAC

1
2
3
4
5
6
7

Chilcomb

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0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Client

Project **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title **EAR FIGURE 8.2 BIODIVERSITY CONSTRAINTS MAP 4 OF 16**

	Status S3	Revision P01.4	
Scale	1:5,000	Date 18/10/2018	
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00003		

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N

Bushfield Camp - C SINC

River Itchen SAC

DM002

St Catherine's Hill (base) SINC

River Itchen - SSSI

106400

106800

0

200

107000

Bat002

Bat003

107400

1-GCN-312

A3090 Hockley Link RoadRoad Verge

107600

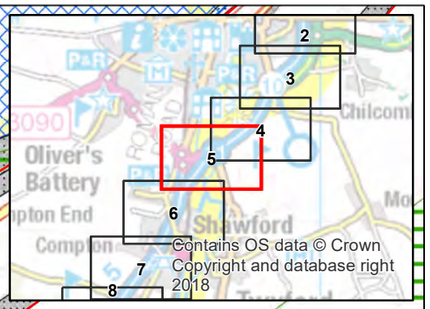
DM003

107800

Bat004

108000

Hockley Golf Course SINC



0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
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- Suitable dormouse habitat of carriageway

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

Client

Project **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title **EAR FIGURE 8.2 BIODIVERSITY CONSTRAINTS MAP 5 OF 16**

Status	S3
Revision	P01.4
Scale	1:5,000
Date	18/10/2018
Drawn By	BS
Checked By	SW
Approved By	RM
Project No.	HA PIN Originator
Original Size	A3
Drawing number	Volume Location Type Role Number
	HE549338-MMSJV-EGN-000-DR-YE-00003

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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N

Bat004

200

108000

DM003

0

108200

200

108400

Bat005

1-GCN-307

0

108600

River Itchen - SSSI

Warners Farm Down SINC

108800

DM004

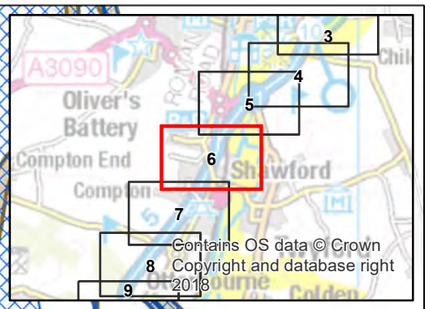
109000

Shawford Down SINC

Shawford Down - LNR

109200

Twyford Mead Meadow SINC



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0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
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- Suitable dormouse habitat of carriageway

Potential great crested newt ponds

- Scoped in

Potential reptile habitat

- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

Client

Project **SMART MOTORWAY PROGRAMME**
---M3 J9 to 14---

Drawing Title
EAR FIGURE 8.2
BIODIVERSITY CONSTRAINTS
MAP 6 OF 16

Status	S3
Revision	P01.4
Scale	1:5,000
Date	18/10/2018
Drawn By	BS
Checked By	SW
Approved By	RM
Project No. HA PIN Originator	Original Size A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00003

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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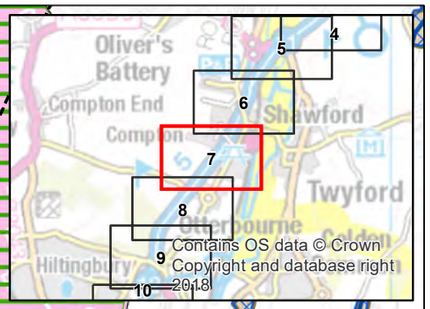

DM004

109200

Shawford Down - LNR

Bat006

109600

109800

1-GCN-15

110000

110200

110400

110600

1-GCN-301

DM005

River Itchen SAC

River Itchen - SSSI

The Malms Down SINC

Sparrowgrove Copse SINC

River Itchen SAC

0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
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- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
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- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Client

Project **SMART MOTORWAY PROGRAMME**
---M3 J9 to 14---

Drawing Title
EAR FIGURE 8.2
BIODIVERSITY CONSTRAINTS
MAP 7 OF 16

	Status S3	Revision P01.4	
Scale	1:5,000	Date 18/10/2018	
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00003		

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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N

1-GCN-301

110400

110800

Bat007

1-GCN-322

1-GCN-300

1-GCN-323

1-GCN-299

111000

1-GCN-298

1-GCN-297

DM005

111200

1-GCN-294

1-GCN-293

1-GCN-287

111400

DM006

1-GCN-285

1-GCN-284

1-GCN-169

1-GCN-283

111600

1-GCN-282

1-GCN-281

1-GCN-16

1-GCN-280

111800

1-GCN-279

DM006

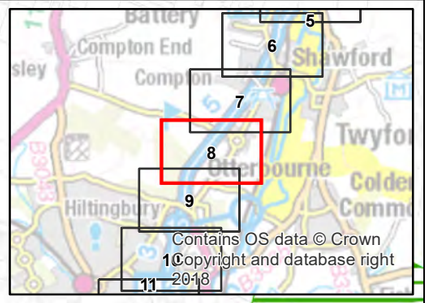
Great Moorlands Copse Complex SINC

Oakwood Copse SINC

Long Mead SINC

Otterbourne Primary School Meadow SINC

Otterbourne Hill Common SINC



0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
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- Suitable dormouse habitat of carriageway

Potential great crested newt ponds

- Scoped in

Potential reptile habitat

- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

Client

Project **SMART MOTORWAY PROGRAMME**
---M3 J9 to 14---

Drawing Title
EAR FIGURE 8.2
BIODIVERSITY CONSTRAINTS
MAP 8 OF 16

	Status S3	Revision P01.4	
Scale	1:5,000	Date 18/10/2018	
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00003		

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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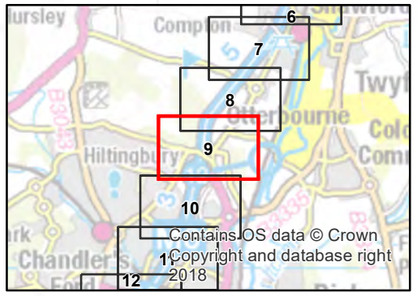

1-GCN-283
1-GCN-282
1-GCN-281
1-GCN-16
1-GCN-280
1-GCN-279
1-GCN-273
1-GCN-272
1-GCN-271
1-GCN-270
1-GCN-269
1-GCN-268
1-GCN-14
1-GCN-267
1-GCN-266

111600
111800
112000
112200
112400
112600
112800
0
200

Great Moorlands Copse Complex SINC
Otterbourne Primary School Meadow SINC
Long Mead SINC
Otterbourne Hill Common SINC
Otterbourne Wood SINC
Pitmore Copse/Pitmore Gulley Copse SINC
Pitmore Copse (West) SINC
Lincolns Copse SINC
Park Lane Footpath Allbrook SINC
River Itchen - SSSI
River Itchen SAC

DM005
DM006
DM007

0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Client

Project **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title **EAR FIGURE 8.2 BIODIVERSITY CONSTRAINTS MAP 9 OF 16**

	Status S3	Revision P01.4	
Scale	1:5,000	Date 18/10/2018	
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00003		

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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N

The Lakes, Hiltingbury SINC

DM007

1-GCN-262

1-GCN-263

1-GCN-8

1-GCN-261

Pitmore Copse (West) SINC

12800

0

200

113000

200

0

113200

1-GCN-258

1-GCN-257

113400

1-GCN-255

1-GCN-254

Boyatt Wood, Eastleigh SINC

DM008

1-GCN-251

1-GCN-324

1-GCN-250

1-GCN-252

113600

1-GCN-249

Bat008

1-GCN-248

Boyatt Wood - Bosville Extension SINC

113800

1-GCN-247

114000

1-GCN-246

1-GCN-244

1-GCN-266

Pitmore Copse/Pitmore Gulley Copse SINC

Lincolns Copse SINC

Allbrook Clay Pit SINC

1-GCN-259

Meadows at Allbrook SINC

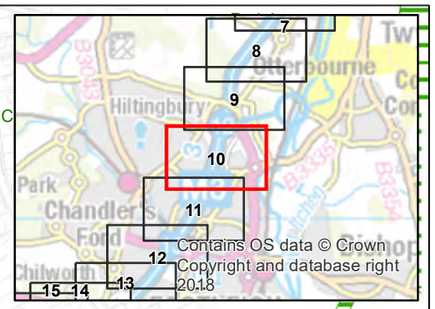
Allbrook Hill Copse SINC

River Itchen - SSSI

Ham Farm Meadow SINC

River Itchen SAC

River Itchen SAC



0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds

- Scoped in

Potential reptile habitat

- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

Client

Project **SMART MOTORWAY PROGRAMME**
---M3 J9 to 14---

Drawing Title
EAR FIGURE 8.2
BIODIVERSITY CONSTRAINTS
MAP 10 OF 16

Status	S3	Revision	P01.4
Scale	1:5,000	Date	18/10/2018
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA	PIN	Originator	Original Size A3
Drawing number Volume	Location	Type Role	Number
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Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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N

Fryernhill Wood SINC

Boyatt Wood, Eastleigh SINC

Boyatt Wood - Woodside Avenue Extension SINC

Woodland between railway & Monks Brook SINC

1-GCN-247

1-GCN-244

1-GCN-246

1-GCN-7

1-GCN-240

1-GCN-28

DM007

DM008

Bat009

11400

11200

11600

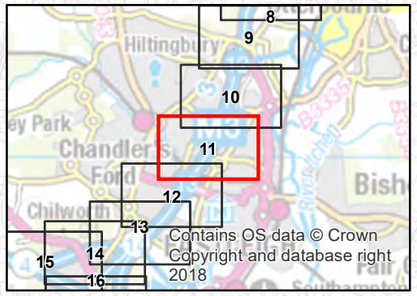
11800

11500

0

11200

200



0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
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- Sites of Importance for Nature Conservation (SINC)
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- Suitable dormouse habitat of carriageway

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Client

Project **SMART MOTORWAY PROGRAMME**
---M3 J9 to 14---

Drawing Title
EAR FIGURE 8.2
BIODIVERSITY CONSTRAINTS
MAP 11 OF 16

	Status S3	Revision P01.4
Scale	1:5,000	Date 18/10/2018
Drawn By	BS	
Checked By	SW	
Approved By	RM	
Project No. HA PIN Originator	Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00003	

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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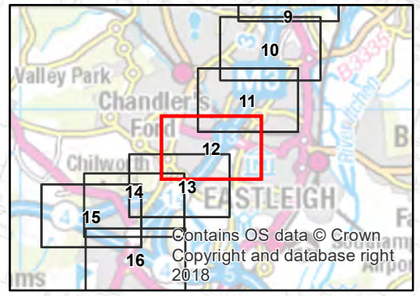
N

DM007
DM008
Bat009
Bat010
Bat011
1-GCN-236
Bat012
DM009
Northend Copse (East & West of Flyover) SINC

115000
115200
115400
115600
115800
116000
116200
116400
0
200
400
600
800



0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

- Highway boundary
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- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
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- Suitable dormouse habitat of carriageway

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Client

Project **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title **EAR FIGURE 8.2 BIODIVERSITY CONSTRAINTS MAP 12 OF 16**

Status	S3	Revision	P01.4
Scale	1:5,000	Date	18/10/2018
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00003		

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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N

Hut Wood SINC

Freespace Hicknor Hill SINC

Northern Perimeter (East & Flyover)

Home Wood (Eastleigh extension) SINC

Home Wood SINC

Chestnut Avenue Meadow SINC

DM009

DM010

DM011

DM012

Bat012

Bat013

Bat015

1-GCN-234

1-GCN-231

1-GCN-230

1-GCN-229

1-GCN-228

1-GCN-224

1-GCN-226

1-GCN-221

1-GCN-219

1-GCN-218

1-GCN-217

1-GCN-214

1-GCN-212

1-GCN-211

1-GCN-209

1-GCN-6

400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 200 0

116800 116400 116000 117000 117200 117400 117600

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10 11 12 13 14 15 16

0 100 200 Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds

- Scoped in

Potential reptile habitat

- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

Client

Project **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title

EAR FIGURE 8.2 BIODIVERSITY CONSTRAINTS MAP 13 OF 16

	Status S3	Revision P01.4
Scale 1:5,000		Date 18/10/2018
Drawn By	BS	
Checked By	SW	
Approved By	RM	

Project No. HA PIN Originator | Original Size **A3**

Drawing number Volume Location Type Role Number

HE549338-MMSJV-EGN-000-DR-YE-00003

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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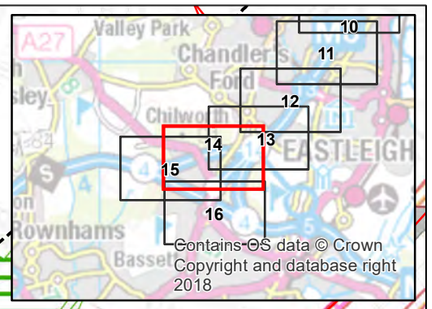

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1-GCN-201
1-GCN-200
1-GCN-198
1-GCN-197
1-GCN-193
1-GCN-6
1-GCN-3
1-GCN-2
1-GCN-1

DM010
DM011
DM012
DM013

Hut Wood SINC
Home Wood SINC
Home Wood (Eastleigh extension) SINC
FC Site 614 Chilworth SINC
Chilworth Common SINC
Chilworth Common Plantation SINC
Stoneham Golf Course Remnant Heath SINC

Bat014
Bat015

1200
117800
0
117000
1400
200
1600
1800
117200
2000
600
2200
2400
2600
2800
3000
3200
117400
400
118000
900

0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds

- Scoped in

Potential reptile habitat

- High quality
- Moderate quality
- Low quality

Client

Project **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title **EAR FIGURE 8.2 BIODIVERSITY CONSTRAINTS MAP 14 OF 16**

Status	S3
Revision	P01.4
Scale	1:5,000
Date	18/10/2018
Drawn By	BS
Checked By	SW
Approved By	RM
Project No.	HA PIN Originator
Original Size	A3
Drawing number	Volume Location Type Role Number
	HE549338-MMSJV-EGN-000-DR-YE-00003

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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N

FC Site 614
Chilworth SINC

Chilworth
Common SINC

Hut Wood SINC

Chilworth
Common (FC
site 625) SINC

DM013

DM012

DM014

Matthew's
Moor SINC

Ride Through
Plantation on
Chilworth Common SINC

Chilworth Common
Plantation SINC

Stoneham Golf
Course Remnant
Heath SINC

DM011

Bat014

1-GCN-232
1-GCN-229
1-GCN-227
1-GCN-223
1-GCN-2
1-GCN-3
1-GCN-222
1-GCN-226
1-GCN-224
1-GCN-221
1-GCN-1
1-GCN-210
1-GCN-207
1-GCN-208
1-GCN-204
1-GCN-206
1-GCN-215
1-GCN-203
1-GCN-202
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1-GCN-198
1-GCN-197
1-GCN-189
1-GCN-187
1-GCN-186
1-GCN-188
1-GCN-185
1-GCN-5
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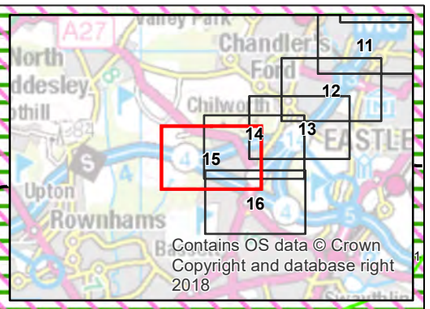
3600
3200
2800
2400
2200
1800
1600
1400
1200
1000
800



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0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

Client

Project **SMART MOTORWAY PROGRAMME**
---M3 J9 to 14---

Drawing Title
EAR FIGURE 8.2
BIODIVERSITY CONSTRAINTS
MAP 15 OF 16

Status	S3	Revision	P01.4
Scale	1:5,000	Date	18/10/2018
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3

Drawing number Volume Location Type Role Number
HE549338-MMSJV-EGN-000-DR-YE-00003

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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N

Chilworth Common Plantation SINC

1-GCN-197

Stoneham Golf Course Remnant Heath SINC

118000

600

118200

800

1-GCN-189

1-GCN-187

1-GCN-188

1-GCN-185

1-GCN-184

1-GCN-193

1-GCN-186

1-GCN-5

DM011

118400

1-GCN-181

1-GCN-177

1-GCN-178

Stoneham Golf Course (FC Plot 646) SINC

Stoneham Golf Course Site 'A' SINC

1-GCN-176

1-GCN-4

Bat016

1-GCN-175

118600

Stoneham Golf Course Sites B and C SINC

Stoneham Golf Course - Practice Hole SINC

Hardmoor Copse (North) SINC

DM015

118800

DM011

119000

Hardmoor Copse (South) and Hardmoor Plantation SINC

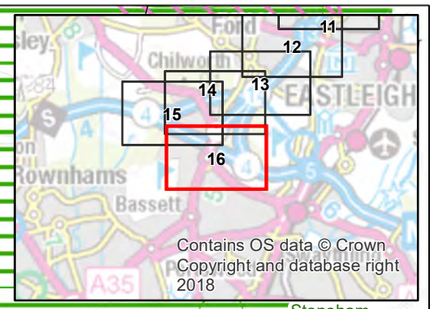
111200

DM015

Sports Centre, Golf Course & Redlodge Belt SINC

Bassett Wood Greenway SINC

Hardmoor Plantation (South) SINC



Stoneham Ponds SINC

0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.4	S3	18/10/2018	GENERAL AMMENDMENTS	BS	SW	RM
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Swamp
- Calcareous semi-improved grassland
- Local Nature Reserves (LNR)
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Potential bat roosts
- Suitable badger habitat within 30m of carriageway
- Suitable dormouse habitat of carriageway

Potential great crested newt ponds

- Scoped in

Potential reptile habitat

- High quality
- Moderate quality
- Low quality

Client

Project **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title

EAR FIGURE 8.2 BIODIVERSITY CONSTRAINTS MAP 16 OF 16

	Status S3	Revision P01.4	
Scale	1:5,000	Date 18/10/2018	
Drawn By	BS		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00003		

Document Path: C:\Users\SKI75413\Mott MacDonald\Environmental Planning - Highways - M3 Junctions 9 to 14\03 Map Composition\04 Environment Biodiversity\HE549338-MMSJV-EGN-000-DR-YE-00003_Biodiversity Constraints (2).mxd

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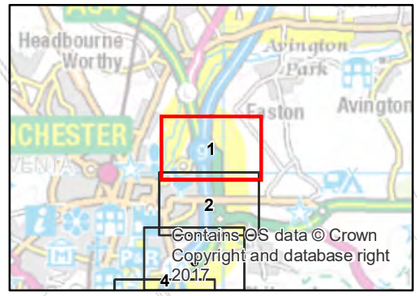

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0
102200 0
200
102400 200
102600
102800
200
200
103000
0 0
103200

0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 1 OF 16**

Status	S3	Revision	P01.3
Scale	1:5,000	Date	17/07/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00006		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00006_Biodiversity Constraints inside Vegetation Clearance.mxd

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N

103200

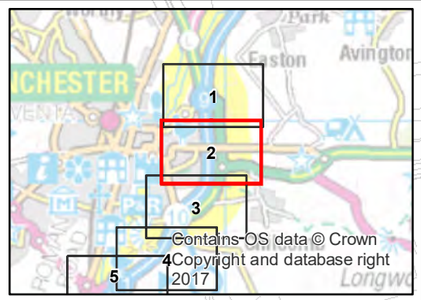
103400

103600

103800

104000

104200



0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds

- Scoped in

Potential reptile habitat

- High quality
- Moderate quality
- Low quality

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 2 OF 16**

	Status S3	Revision P01.3	
Scale	1:5,000	Date 17/07/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA	PIN	Originator	Original Size A3
Drawing number Volume	Location	Type Role Number	
HE549338-MMSJV-EGN-000-DR-YE-00006			

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00006_Biodiversity Constraints inside Vegetation Clearance.mxd

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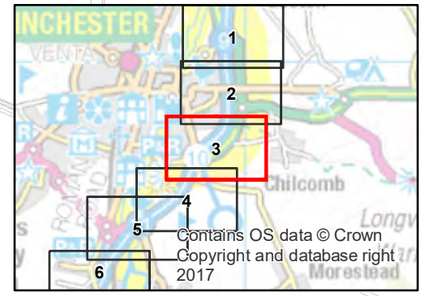

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104400
104600
104800
105000
200
Bat001
0
105200
DM001
DM001
DM001
400
DM001
105400
200
DM001
105600
St. Catherine's Hill - SSSI
0

0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR**

FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 3 OF 16

	Status S3	Revision P01.3	
Scale	1:5,000	Date 17/07/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00006		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00006_Biodiversity Constraints inside Vegetation Clearance.mxd

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N

200
DM001
105600
0
St. Catherine's Hill - SSSI
105800
106000
106200
106400
106600
0
0
106800
200
200
DM002
107000
DM002
Bat002
River Itchen - SSSI
River Itchen SAC
Hockley Golf Course SINC
Bat003
DM003

1
2
3
4
5
6
7
Chilcomb
Morestead
P&R

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0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR**

FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 4 OF 16

Status	S3
Revision	P01.3
Scale	1:5,000
Date	17/07/2018
Drawn By	MH
Checked By	SW
Approved By	RM
Original Size	A3

Project No. HA PIN Originator

Drawing number Volume Location Type Role Number
HE549338-MMSJV-EGN-000-DR-YE-00006

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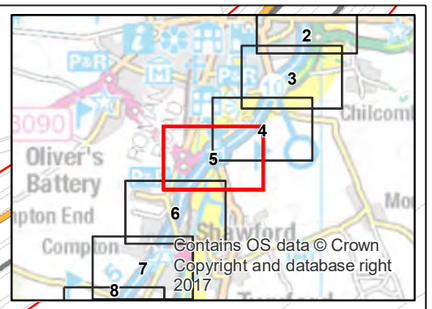

106400
106600
106800
107000
107400
107600
107800
108000
200
0
DM002
DM003
Bat002
Bat003
Bat004
Hockley Golf Course SINC
River Itchen SAC
River Itchen - SSSI
A3090 Hockley Link RoadRoad Verge

0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title:
EAR
FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 5 OF 16

	Status S3	Revision P01.3	
Scale	1:5,000	Date 17/07/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00006		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00006_Biodiversity Constraints inside Vegetation Clearance.mxd

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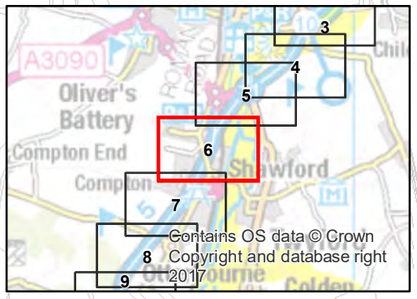

DM003
Bat004
DM003
200
108000
0
108200
200
108400
Bat005
0
108600
108800
DM004
109000
DM004
109200
DM004

0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR**
FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 6 OF 16

	Status S3	Revision P01.3	
Scale	1:5,000	Date 17/07/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00006		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00006_Biodiversity Constraints inside Vegetation Clearance.mxd

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N

DM004

DM004

109200

DM004

109400

109600

Bat006

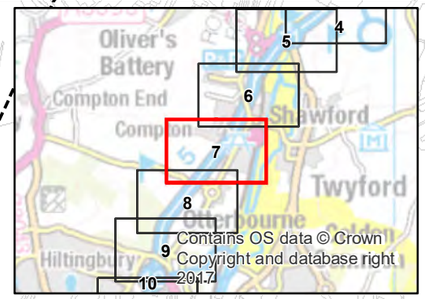
109800

110000

110200

110400

110600



0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title

EAR

FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 7 OF 16

	Status S3	Revision P01.3	
Scale	1:5,000	Date 17/07/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00006		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00006_Biodiversity Constraints inside Vegetation Clearance.mxd

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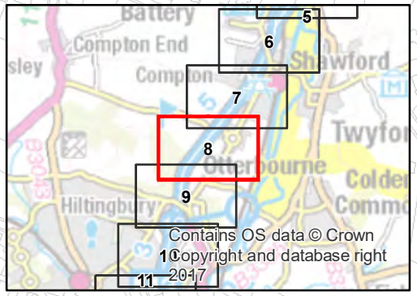

110400
110600
110800
111000
111200
111400
111600
111800

Bat007
DM005
DM006
DM005

Great Moorlands
Copse Complex SINC

0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title:

EAR

FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 8 OF 16

	Status S3	Revision P01.3	
Scale	1:5,000	Date 17/07/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00006		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00006_Biodiversity Constraints inside Vegetation Clearance.mxd

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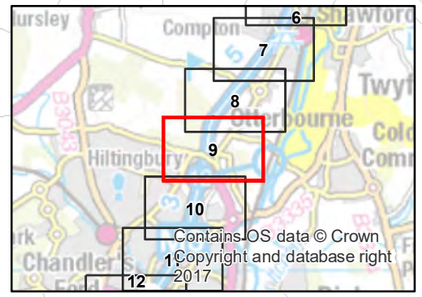
N

Great Moorlands
Copse Complex SINC

111600
DM006
111800
DM005
112000
DM005
112200
112400
0
DM006
DM007
DM007
DM007
DM007
DM007
DM007
200
DM007
112800
DM007
0



0 100 200
Metres

P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 9 OF 16**

	Status S3	Revision P01.3	
Scale	1:5,000	Date 17/07/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00006		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00006_Biodiversity Constraints inside Vegetation Clearance.mxd

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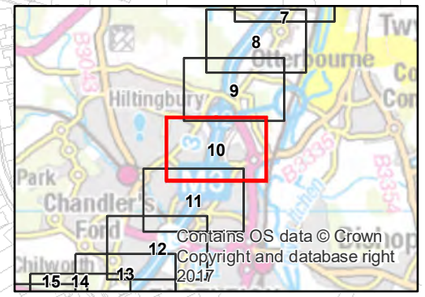
N

DM007
DM008
Bat008
112800
113000
113200
113400
113600
114000
0
200



0 100 200
Metres

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title

EAR
FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 10 OF 16

Status	S3	Revision	P01.3
Scale	1:5,000	Date	17/07/2018
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00006		

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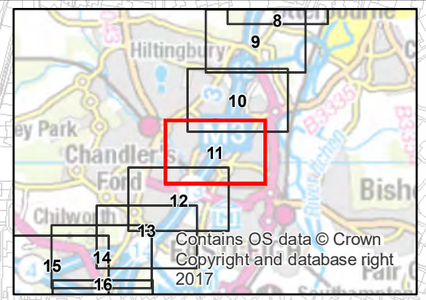
N

DM008
DM008
DM008
DM008
DM007
DM008

114000
114200
114400
114600
114800
115000
0
115200
200

Bat009



0 100 200
Metres

Highway boundary
250m buffer of Scheme Extents
Running water (Monk's Brook and River Itchen)
Calcareous semi-improved grassland
Sites of Importance for Nature Conservation (SINC)
Road Verges of Ecological Importance (RVEI)
Sites of Special Scientific Interest (SSSI)
River Itchen Special Area of Conservation (SAC)
Ancient Woodland
Suitable badger habitat within 30m of carriageway
Potential bat roosts
Suitable dormouse habitat
Potential great crested newt ponds
Scoped in
Potential reptile habitat
High quality
Moderate quality
Low quality

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 11 OF 16**

	Status S3	Revision P01.3	
Scale	1:5,000	Date 17/07/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00006		

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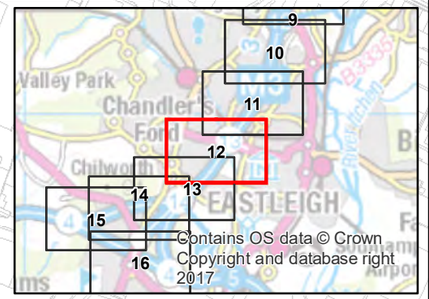
N

DM007
DM008
Bat009
Bat010
Bat011
DM009
Bat012
Northend Copse (East & West of Flyover) SINC

0
200
400
800
115200
115400
115600
116000
116200
116400



0 100 200
Metres

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR**
FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 12 OF 16

	Status S3	Revision P01.3	
Scale	1:5,000	Date 17/07/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA PIN Originator		Original Size	A3
Drawing number Volume Location Type Role Number	HE549338-MMSJV-EGN-000-DR-YE-00006		

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00006_Biodiversity Constraints inside Vegetation Clearance.mxd

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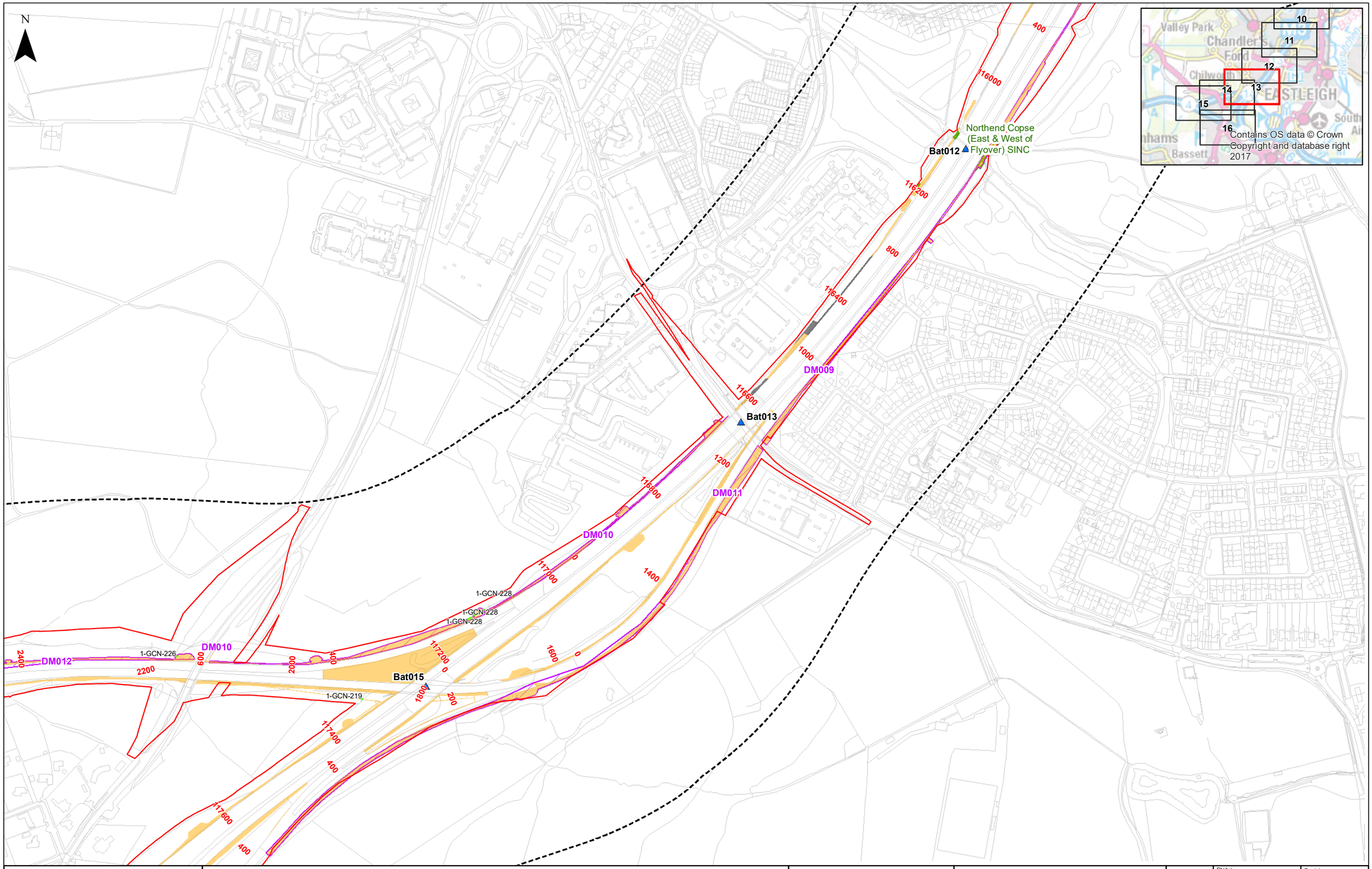

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Metres

P01.3	S3	17/07/2018	DESIGN FIX 3	MH	SW	RM
P01.2	S3	23/04/2018	DORMOUSE AMENDMENT	MH	SW	RM
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

- Highway boundary
- 250m buffer of Scheme Extents
- Running water (Monk's Brook and River Itchen)
- Calcareous semi-improved grassland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)
- Sites of Special Scientific Interest (SSSI)
- River Itchen Special Area of Conservation (SAC)
- Ancient Woodland
- Suitable badger habitat within 30m of carriageway
- Potential bat roosts
- Suitable dormouse habitat

Potential great crested newt ponds
- Scoped in

Potential reptile habitat
- High quality
- Moderate quality
- Low quality

Client: highways england

Mott MacDonald Sweco

Project: **SMART MOTORWAY PROGRAMME ---M3 J9 to 14---**

Drawing Title: **EAR FIGURE 8.3 - BIODIVERSITY CONSTRAINTS (AREAS INSIDE VEGETATION CLEARANCE) MAP 13 OF 16**

	Status S3	Revision P01.3	
Scale	1:5,000	Date 17/07/2018	
Drawn By	MH		
Checked By	SW		
Approved By	RM		
Project No. HA	PIN	Originator	Original Size A3
Drawing number Volume	Location	Type	Role Number
HE549338-MMSJV-EGN-000-DR-YE-00006			

Document Path: P:\Bristol\BNI\378032 - M3 J9-14\GIS\MXD\Ecology EAR Figures\Design Fix 3\HE549338-MMSJV-EGN-000-DR-YE-00006_Biodiversity Constraints inside Vegetation Clearance.mxd

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