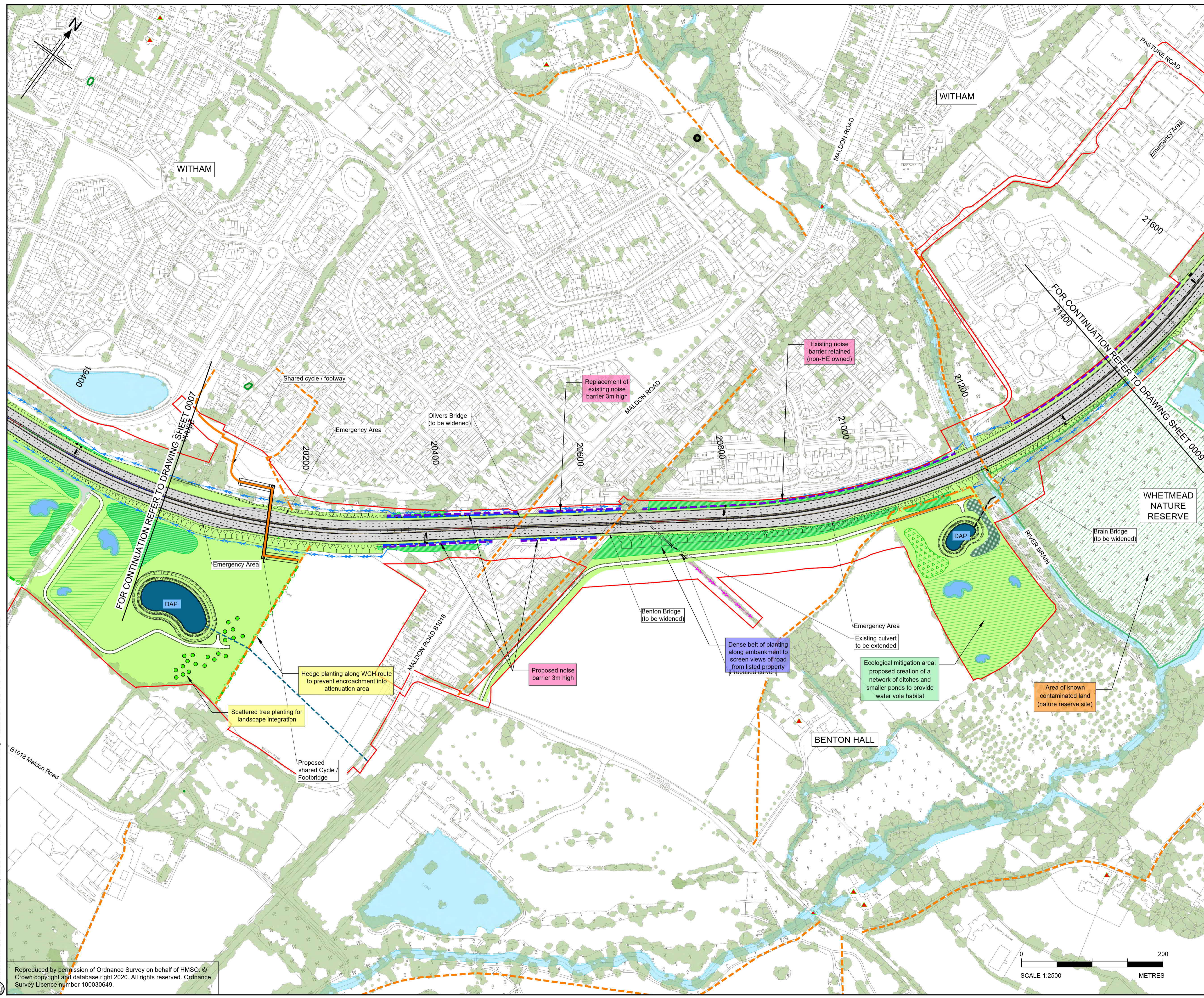


**A12 Chelmsford to A120 widening scheme**

**PRELIMINARY ENVIRONMENTAL  
INFORMATION REPORT**

**CHAPTER 2 – THE SCHEME  
FIGURE 2.1 SECTION 2 OF 3**



**ENVIRONMENTAL TEXT BOX KEY**

Landscape	Ecology	Acoustics
Water	Heritage	Contaminated Land

**DRAINAGE KEY**

- DAP: Proposed drainage attenuation and water treatment pond - Outfall designed to environmental best practice.
- Underground storage units
- Flood mitigation areas
- Proposed floodplain compensation area (minor watercourse)

**EXISTING**

- Open water
- Retained trees, hedges and shrubs
- Ancient woodland
- Ancient, noble and veteran trees
- Conservation areas
- Local nature reserve
- Listed buildings
- Registered parks and gardens
- Scheduled monument
- Trees protected by Tree Preservation Order (area or individual tree)
- Existing public right of way / walking, cycling and horse-riding user route

**PROPOSED**

- Woodland planting of trees and shrubs
- Wet woodlands
- Tall screen planting to elevate flight path of bats & barn owls
- Individual trees
- Hedge with intermittent trees
- Grassland
- Grassland with intermittent trees and shrubs
- Ecology mitigation area / Ecology protection measures
- Ecological pond (indicative symbol)
- Noise barrier location / Acoustic barrier
- Existing public right of way / walking, cycling and horse-riding user route - stopped up
- New/realigned public right of way / walking, cycling and horse-riding user route
- Proposed borrow pit

**KEY PLAN**  
SCALE N.T.S.

PO1	25/05/21	ORIGINAL ISSUE	HA	HM	HM	RC
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Contractor: **COSTAIN** Designer: **JACOBS**  
2nd Floor Coltons Centre, Coltons Lane, London SE1 2QG, Tel: +44 (0)203 9802000, www.jacobs.com

Client: **highways england**

Project: **REGIONAL DELIVERY PARTNERSHIP A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing title: **FIGURE 2.1 PRELIMINARY ENVIRONMENTAL DESIGN CH. 19600/20000 TO 21400 SHEET 8 OF 19**

Drawing status: **S4 - SUITABLE FOR STAGE APPROVAL**

State Code	Preliminary
Project Stage	PCF3
Scale	1:2500
Jacobs No.	B36601D1
Client no.	HE551497

DO NOT SCALE

Rev	P01
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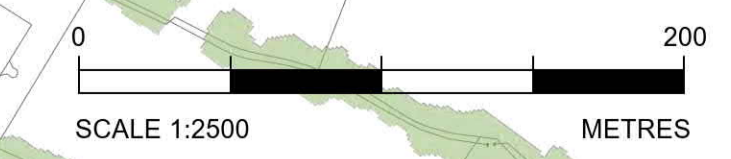
Drawing number: **HE551497 - JAC - ELS - SCHW - DR - L - 0008**

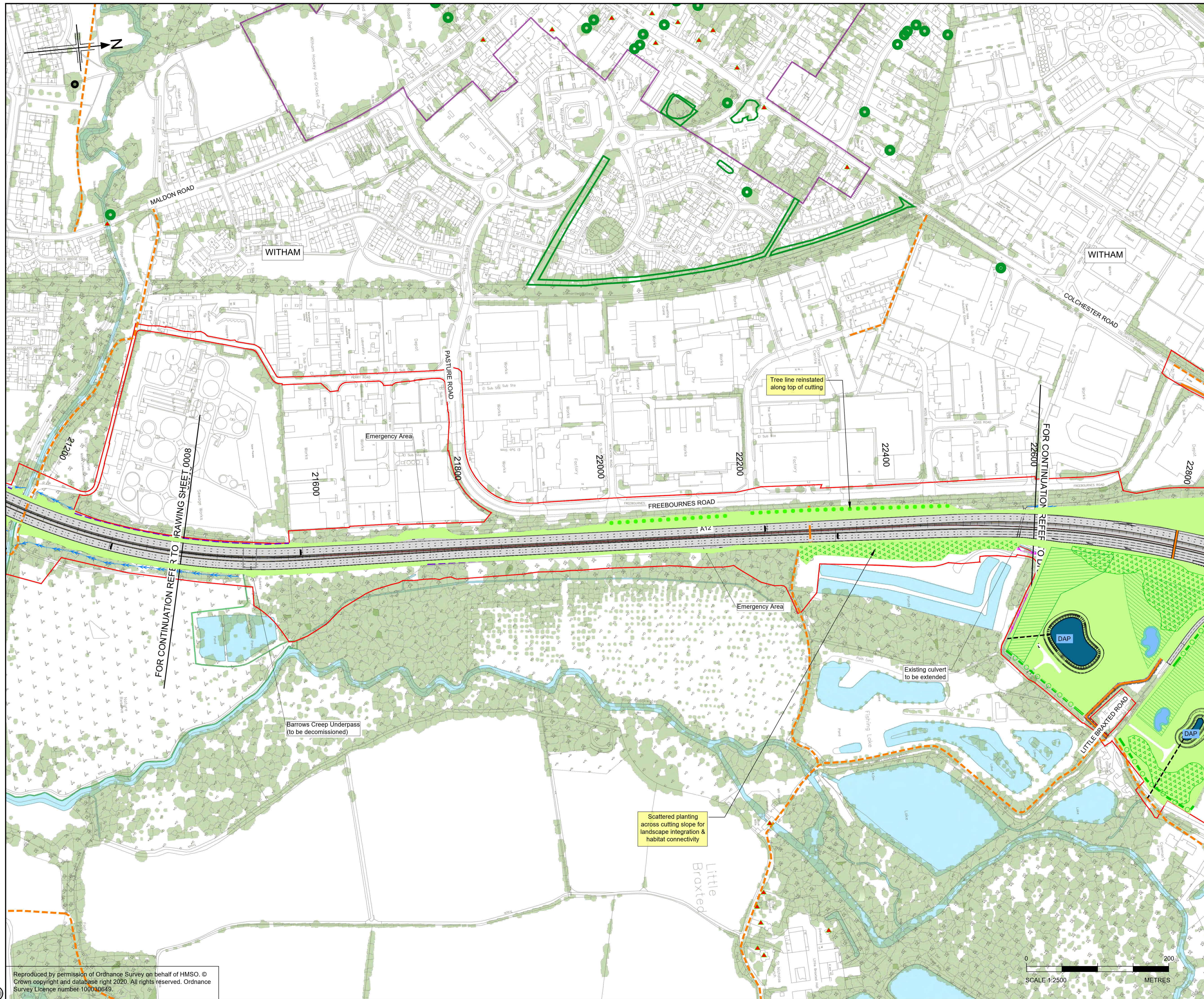
Originator: **JAC** Volume: **ELS**  
Location: **SCHW** Type: **DR** Role: **L** Number: **0008**

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**ENVIRONMENTAL TEXT BOX KEY**

Landscape	Ecology	Acoustics
Water	Heritage	Contaminated Land

**DRAINAGE KEY**

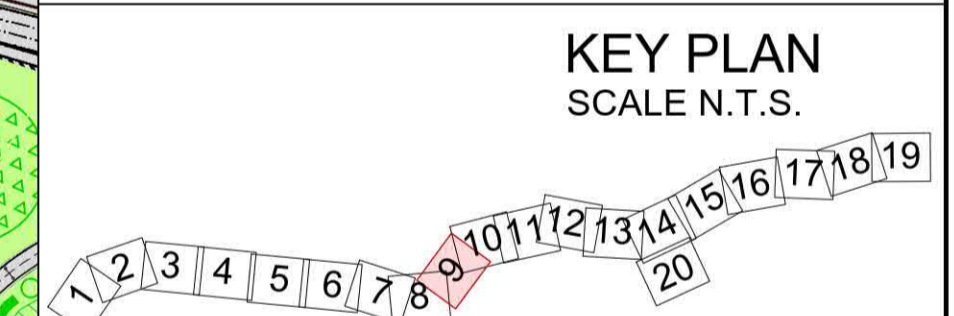
- DAP: Proposed drainage attenuation and water treatment pond - Outfall designed to environmental best practice.
- Underground storage units
- Flood mitigation areas
- Proposed floodplain compensation area (minor watercourse)

**EXISTING**

- Open water
- Retained trees, hedges and shrubs
- Ancient woodland
- Ancient, noble and veteran trees
- Conservation areas
- Local nature reserve
- Listed buildings
- Registered parks and gardens
- Scheduled monument
- Trees protected by Tree Preservation Order (area or individual tree)

**PROPOSED**

- Woodland planting of trees and shrubs
- Wet woodlands
- Tall screen planting to elevate flight path of bats & barn owls
- Individual trees
- Hedge with intermittent trees
- Grassland
- Grassland with intermittent trees and shrubs
- Ecology mitigation area / Ecology protection measures
- Ecological pond (indicative symbol)
- Noise barrier location / Acoustic barrier
- Existing public right of way / walking, cycling and horse-riding user route - stopped up
- New/realigned public right of way / walking, cycling and horse-riding user route
- Proposed borrow pit

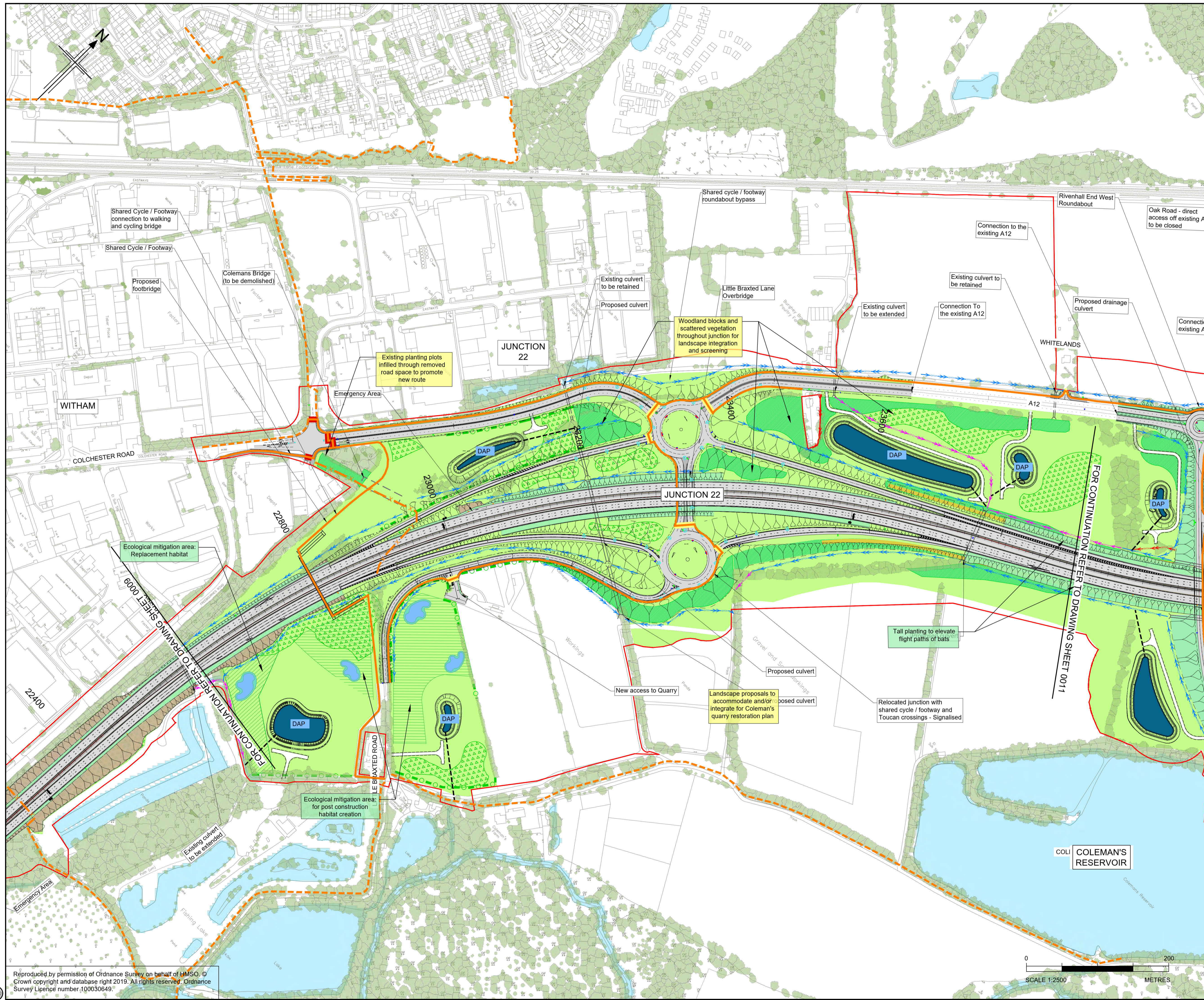


P01	25/05/21	ORIGINAL ISSUE	HA	HM	HM	RC
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
Contractor: <b>COSTAIN</b>			Designer: <b>Jacobs</b> 2nd Floor Cottons Centre, Cottons Lane London SE1 2QG. Tel: +44 (0)203 9802000 www.jacobs.com			
Client: <b>highways england</b>			Project: REGIONAL DELIVERY PARTNERSHIP A12 CHELMSFORD TO A120 WIDENING SCHEME			
Drawing title: <b>FIGURE 2.1 PRELIMINARY ENVIRONMENTAL DESIGN</b> CH. 21400 TO 22600 SHEET 9 OF 19						
Drawing status: <b>S4 - SUITABLE FOR STAGE APPROVAL</b>						
State Code	Preliminary					
Project Stage	PCF3					
Scale	1:2500					
Jacobs No.	B36601D1					DO NOT SCALE
Client no.	HE551497					Rev
Drawing number: <b>HE551497 - JAC - ELS - SCHW</b>						<b>P01</b>
Originator: <b>JAC</b>						Volume: <b>ELS - DR - L - 0009</b>
Location: <b>SCHW</b>						Number: <b>-DR - L - 0009</b>

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SCALE 1:2500 METRES



**ENVIRONMENTAL TEXT BOX KEY**

Landscape	Ecology	Acoustics
Water	Heritage	Contaminated Land

**DRAINAGE KEY**

- DAP: Proposed drainage attenuation and water treatment pond - Outfall designed to environmental best practice.
- Underground storage units
- Flood mitigation areas
- Proposed floodplain compensation area (minor watercourse)

**EXISTING**

- Open water
- Retained trees, hedges and shrubs
- Ancient woodland
- Ancient, noble and veteran trees
- Conservation areas
- Local nature reserve
- Listed buildings
- Registered parks and gardens
- Scheduled monument
- Trees protected by Tree Preservation Order (area or individual tree)
- Existing public right of way / walking, cycling and horse-riding user route

**PROPOSED**

- Woodland planting of trees and shrubs
- Wet woodlands
- Tall screen planting to elevate flight path of bats & barn owls
- Individual trees
- Hedge with intermittent trees
- Grassland
- Grassland with intermittent trees and shrubs
- Ecology mitigation area / Ecology protection measures
- Ecological pond (indicative symbol)
- Noise barrier location / Acoustic barrier
- Existing public right of way / walking, cycling and horse-riding user route - stopped up
- New/realigned public right of way / walking, cycling and horse-riding user route
- Proposed borrow pit

**KEY PLAN**  
SCALE N.T.S.

P01	25/05/21	ORIGINAL ISSUE	HA	HM	HM	RC
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
Contractor: <b>COSTAIN</b>			Designer: <b>Jacobs</b> 2nd Floor Cottons Centre, Cottons Lane London SE1 2QG. Tel: +44 (0)203 9802000 www.jacobs.com			
Client: <b>highways england</b>			Project: REGIONAL DELIVERY PARTNERSHIP A12 CHELMSFORD TO A120 WIDENING SCHEME			

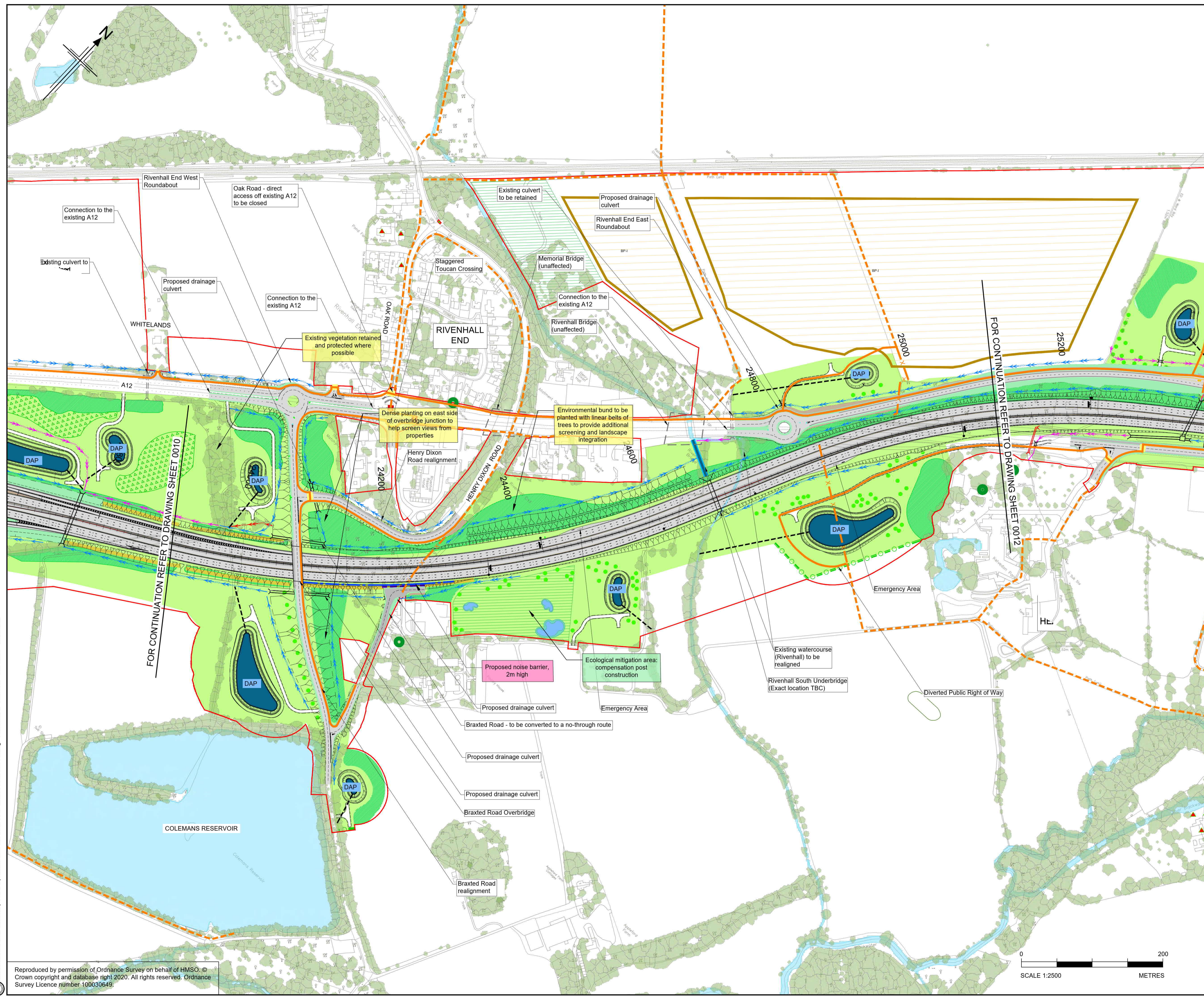
Drawing title: <b>FIGURE 2.1 PRELIMINARY ENVIRONMENTAL DESIGN</b> <b>CH. 22600 TO 23900</b> <b>SHEET 10 OF 19</b>			
Drawing status: <b>S4 - SUITABLE FOR STAGE APPROVAL</b>			
State Code	Preliminary		
Project Stage	PCF3		
Scale	1:2500	<b>DO NOT SCALE</b>	
Jacobs No.	B36601D1	Rev	P01
Client no.	HE551497		
Drawing number	HE551497 - JAC - ELS - SCHW	Originator	Volume
		Location	Type   Role   Number
			-DR- L -0010

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**ENVIRONMENTAL TEXT BOX KEY**

Landscape	Ecology	Acoustics
Water	Heritage	Contaminated Land

**DRAINAGE KEY**

- DAP: Proposed drainage attenuation and water treatment pond - Outfall designed to environmental best practice.
- Underground storage units
- Flood mitigation areas
- Proposed floodplain compensation area (minor watercourse)

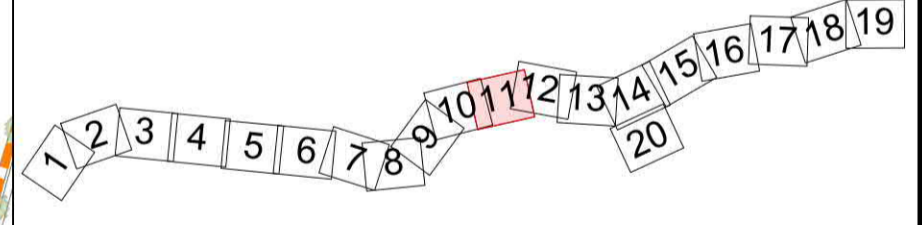
**EXISTING**

- Open water
- Retained trees, hedges and shrubs
- Ancient woodland
- Ancient, noble and veteran trees
- Conservation areas
- Local nature reserve
- Listed buildings
- Registered parks and gardens
- Scheduled monument
- Trees protected by Tree Preservation Order (area or individual tree)
- Existing public right of way / walking, cycling and horse-riding user route

**PROPOSED**

- Woodland planting of trees and shrubs
- Wet woodlands
- Tall screen planting to elevate flight path of bats & barn owls
- Individual trees
- Hedge with intermittent trees
- Grassland
- Grassland with intermittent trees and shrubs
- Ecology mitigation area / Ecology protection measures
- Ecological pond (indicative symbol)
- Noise barrier location / Acoustic barrier
- Existing public right of way / walking, cycling and horse-riding user route - stopped up
- New/realigned public right of way / walking, cycling and horse-riding user route
- Proposed borrow pit

**KEY PLAN**  
SCALE N.T.S.



P01	26/05/21	ORIGINAL ISSUE	HA	HM	HM	RC
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Contractor: **COSTAIN** Designer: **JACOBS**  
2nd Floor Coltons Centre, Coltons Lane  
London SE1 2QG, Tel: +44 (0)203 9802000  
www.jacobs.com

Client: **highways england**

Project: **REGIONAL DELIVERY PARTNERSHIP  
A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing title: **FIGURE 2.1 PRELIMINARY  
ENVIRONMENTAL DESIGN  
CH. 23900 TO 25100  
SHEET 11 OF 19**

Drawing status: **S4 - SUITABLE FOR STAGE APPROVAL**

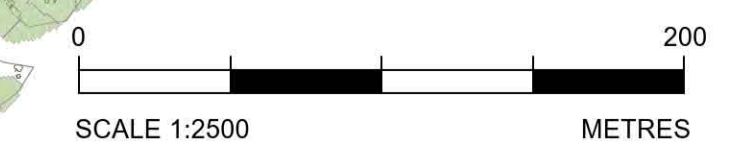
State Code	Preliminary
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Jacobs No.	B36601D1
Client no.	HE551497

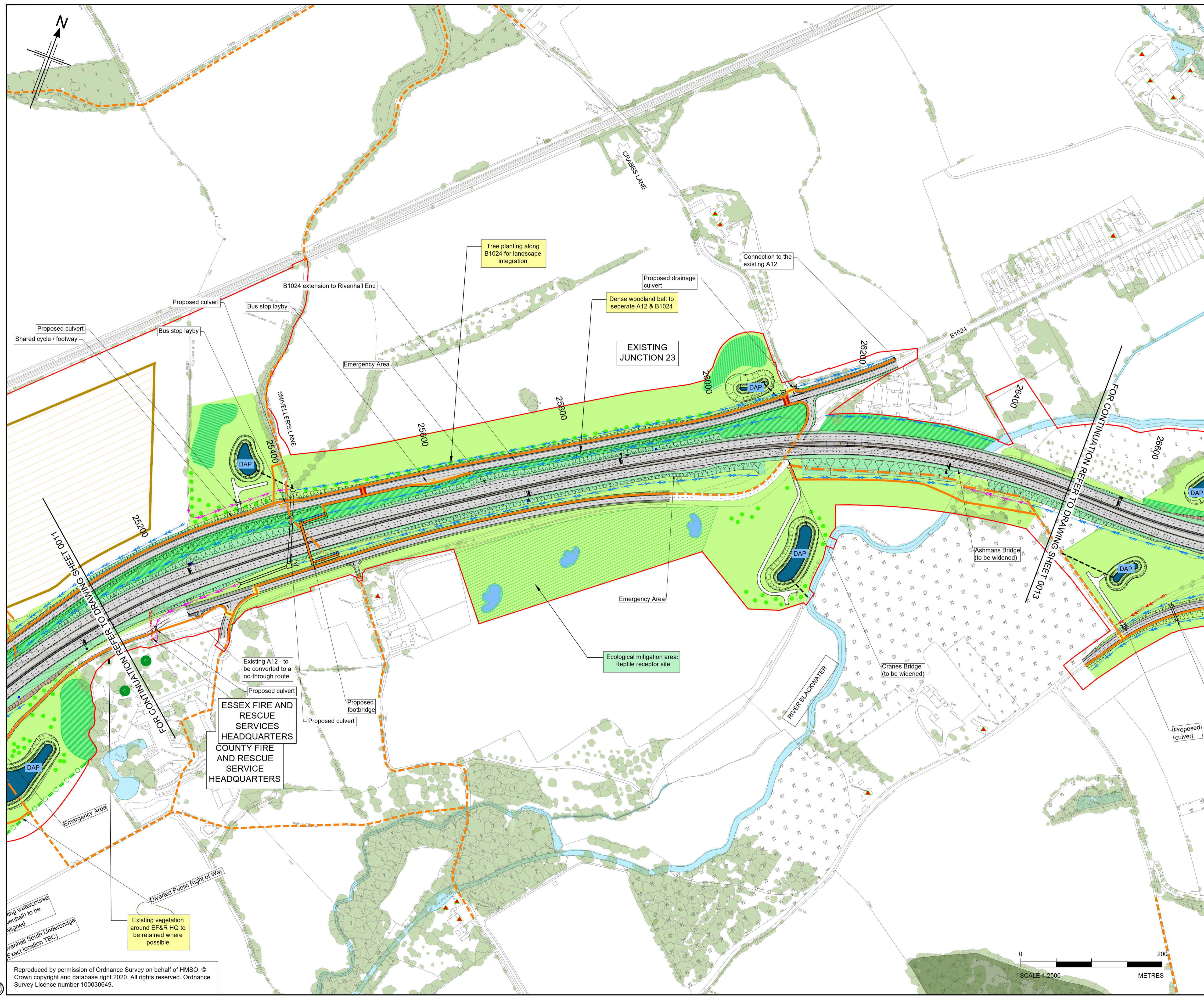
Drawing number	Originator	Volume
HE551497 -	JAC	- ELS -
SCHW	Location	Type   Role   Number
		-DR- L -0011

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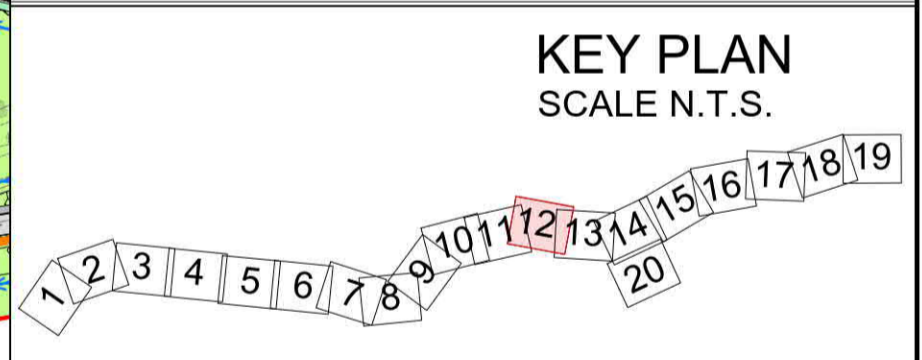
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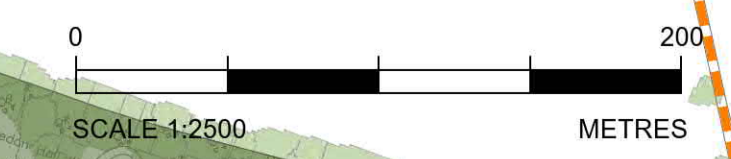
- ENVIRONMENTAL TEXT BOX KEY**
- Landscape
  - Ecology
  - Acoustics
  - Water
  - Heritage
  - Contaminated Land
- DRAINAGE KEY**
- DAP: Proposed drainage attenuation and water treatment pond - Outfall designed to environmental best practice.
  - Underground storage units
  - Flood mitigation areas
  - Proposed floodplain compensation area (minor watercourse)
- EXISTING**
- Open water
  - Retained trees, hedges and shrubs
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  - Ancient, noble and veteran trees
  - Conservation areas
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  - Registered parks and gardens
  - Scheduled monument
  - Trees protected by Tree Preservation Order (area or individual tree)
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- Woodland planting of trees and shrubs
  - Wet woodlands
  - Tall screen planting to elevate flight path of bats & barn owls
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  - Hedge with intermittent trees
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  - Grassland with intermittent trees and shrubs
  - Ecology mitigation area / Ecology protection measures
  - Ecological pond (indicative symbol)
  - Noise barrier location / Acoustic barrier
  - Existing public right of way / walking, cycling and horse-riding user route - stopped up
  - New/reallocated public right of way / walking, cycling and horse-riding user route
  - Proposed borrow pit

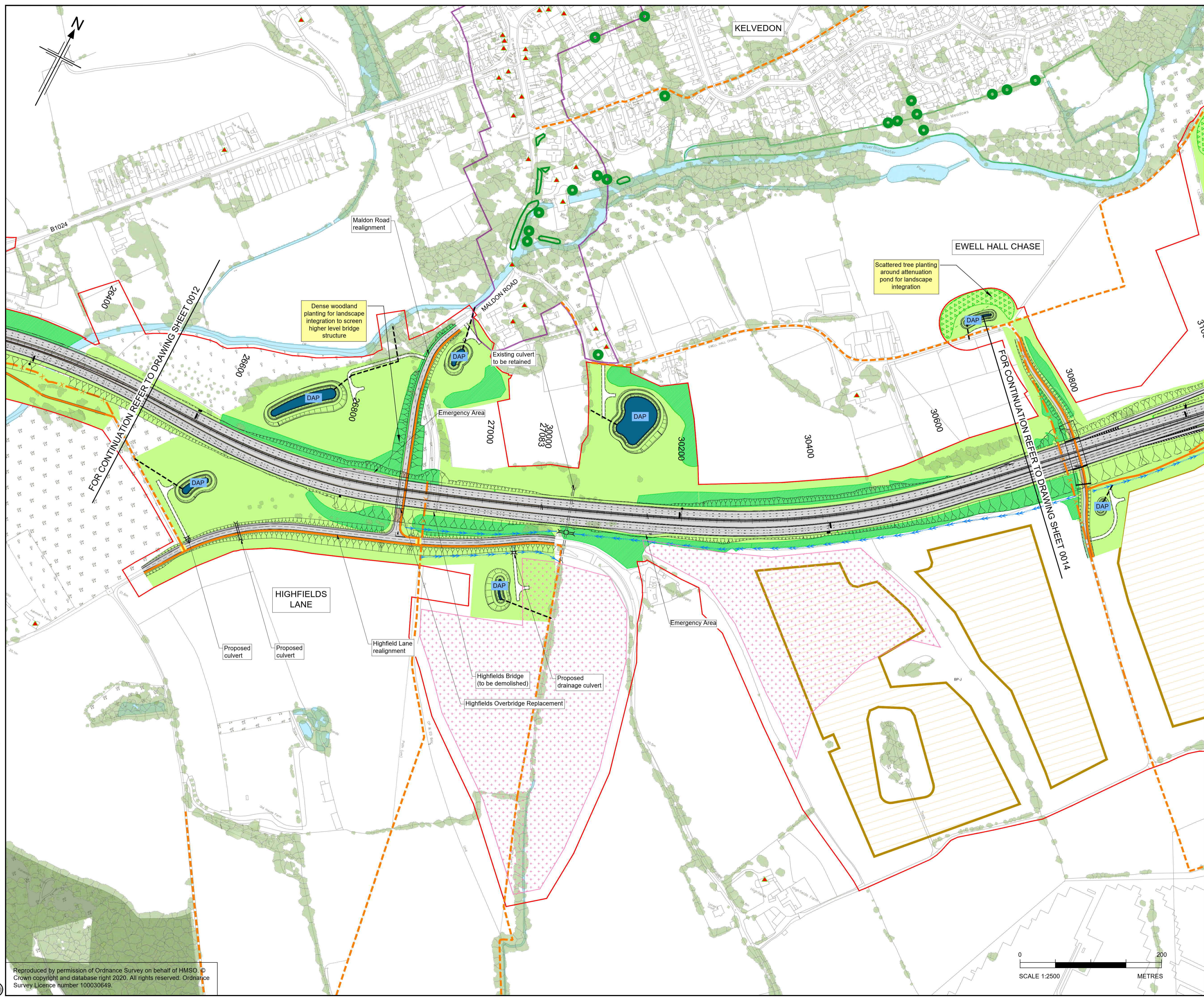


P01	25/05/21	ORIGINAL ISSUE	HA	HM	HM	RC
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
Contractor:		Designer:				
<b>COSTAIN</b>		<b>Jacobs</b> 2nd Floor Coltons Centre, Coltons Lane London SE1 2QG. Tel: +44 (0)203 9802000 www.jacobs.com				
Client: <b>highways england</b>						
Project: REGIONAL DELIVERY PARTNERSHIP A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing title: <b>FIGURE 2.1 PRELIMINARY ENVIRONMENTAL DESIGN</b> CH. 25100 TO 26500 SHEET 12 OF 19						
Drawing status: <b>S4 - SUITABLE FOR STAGE APPROVAL</b>						
State Code	Preliminary					
Project Stage	PCF3					
Scale	1:2500					DO NOT SCALE
Jacobs No.	B36801D1					Rev
Client no.	HE551497					P01
Drawing number	PM	Originator	JAC	Volume	ELS	Number
HE551497		Location	SCHW	Type	DR	L -0012

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**ENVIRONMENTAL TEXT BOX KEY**

Landscape	Ecology	Acoustics
Water	Heritage	Contaminated Land

**DRAINAGE KEY**

- DAP: Proposed drainage attenuation and water treatment pond - Outfall designed to environmental best practice.
- Underground storage units
- Flood mitigation areas
- Proposed floodplain compensation area (minor watercourse)

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- Ancient, noble and veteran trees
- Conservation areas
- Local nature reserve
- Listed buildings
- Registered parks and gardens
- Scheduled monument
- Trees protected by Tree Preservation Order (area or individual tree)
- Existing public right of way / walking, cycling and horse-riding user route

**PROPOSED**

- Woodland planting of trees and shrubs
- Wet woodlands
- Tall screen planting to elevate flight path of bats & barn owls
- Individual trees
- Hedge with intermittent trees
- Grassland
- Grassland with intermittent trees and shrubs
- Ecology mitigation area / Ecology protection measures
- Ecological pond (indicative symbol)
- Noise barrier location / Acoustic barrier
- Existing public right of way / walking, cycling and horse-riding user route - stopped up
- New/realigned public right of way / walking, cycling and horse-riding user route
- Proposed borrow pit

**KEY PLAN**  
SCALE N.T.S.

P01	25/05/21	ORIGINAL ISSUE	HA	HM	HM	RC
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Contractor: **COSTAIN** Designer: **JACOBS**  
2nd Floor Cottons Centre, Cottons Lane  
London SE1 2QG. Tel: +44 (0)203 9802000  
www.jacobs.com

Client: **highways england**

Project: REGIONAL DELIVERY PARTNERSHIP  
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: **FIGURE 2.1 PRELIMINARY ENVIRONMENTAL DESIGN**  
CH. 26500 TO 30700  
SHEET 13 OF 19

Drawing status: **S4 - SUITABLE FOR STAGE APPROVAL**

State Code	Preliminary
Project Stage	PCF3
Scale	1:2500
Jacobs No.	B36601D1
Client no.	HE551497

Drawing number	HE551497 - JAC - ELS - SCHW	Originator	JAC	Volume	DR - L - 0013
Location	SCHW	Type	DR	Role	L
Number	0013				

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