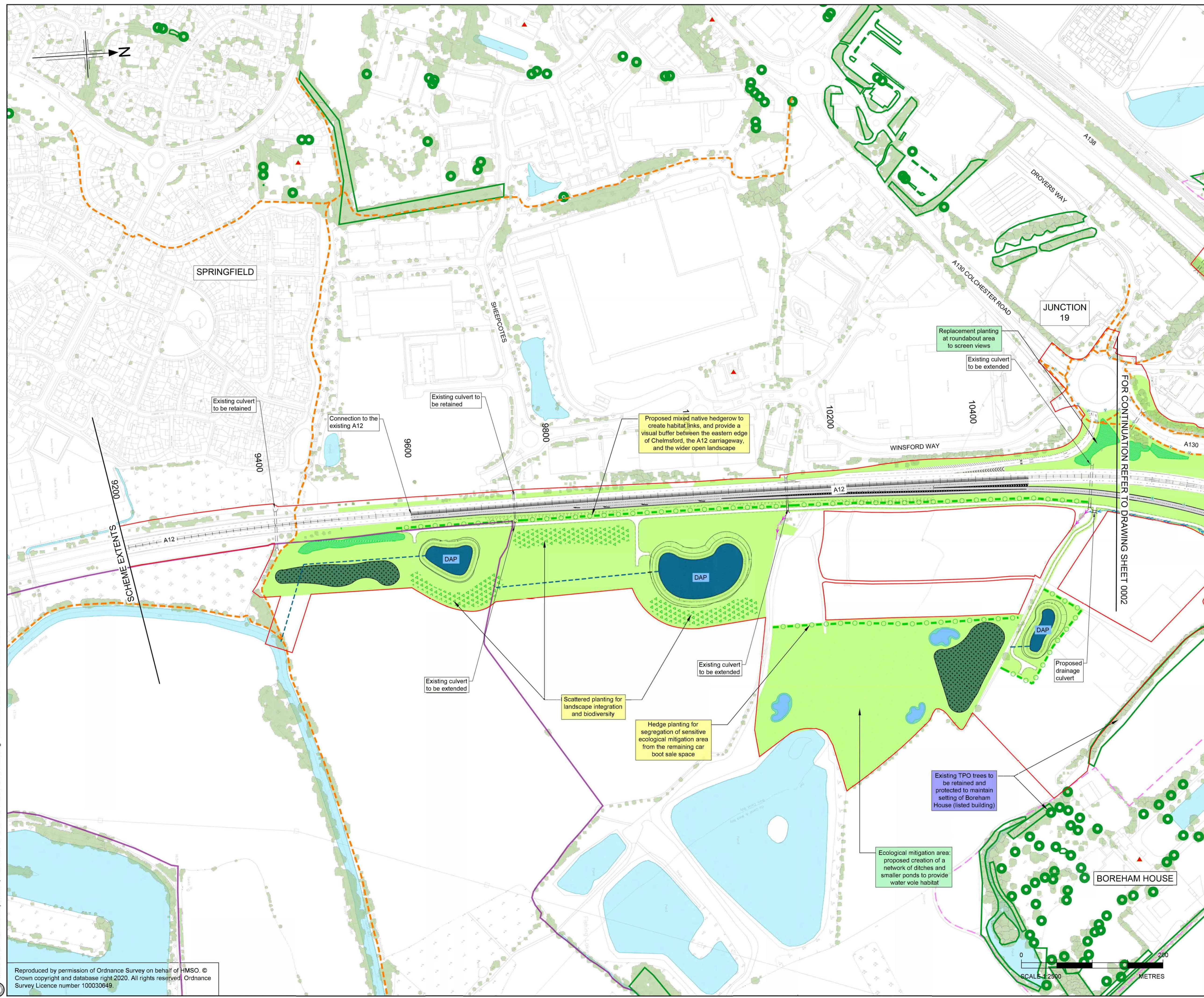


A12 Chelmsford to A120 widening scheme

**PRELIMINARY ENVIRONMENTAL
INFORMATION REPORT**

**CHAPTER 2 – THE SCHEME
FIGURE 2.1 SECTION 1 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	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 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. 9500 TO 10600
SHEET 1 OF 19

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

State Code	Preliminary	DO NOT SCALE
Project Stage	PCF3	Rev
Scale	1:2500	P01
Jacobs No.	B36601D1	
Client no.	HE551497	

Drawing number	PIJ	Originator	Volume
HE551497 -	JAC	ELS -	
location	Type	Role	Number
SCHW	-DR-	L	0001

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ENVIRONMENTAL TEXT BOX KEY

Landscape	Ecology	Acoustics
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- New/realigned public right of way / walking, cycling and horse-riding user route
- Proposed borrow pit

KEY PLAN
SCALE N.T.S.

PO1	26/05/21	ORIGINAL ISSUE	HA	HM	HM	RC
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'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. 10600 TO 12100
SHEET 2 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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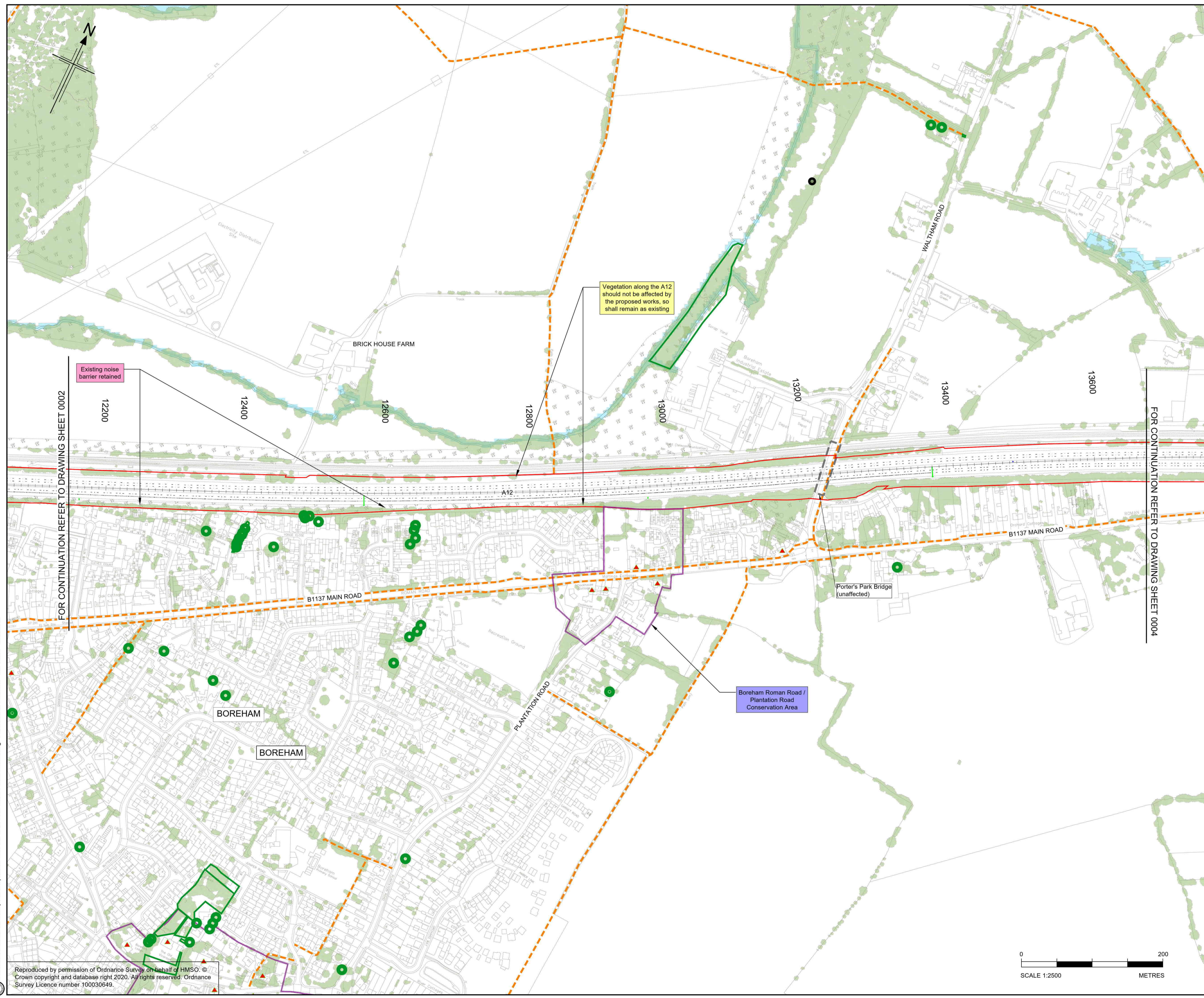
Drawing number: **HE551497 - JAC - ELS - SCHW**
Originator: **JAC** Volume: **-DR- L -0002**
Location: **SCHW** Type: **DR** Role: **L** Number: **0002**

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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.
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EXISTING

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- Ancient, noble and veteran trees
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- 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
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- 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

Vegetation along the A12 should not be affected by the proposed works, so shall remain as existing

Existing noise barrier retained

Boreham Roman Road / Plantation Road Conservation Area

Porter's Park Bridge (unaffected)

FOR CONTINUATION REFER TO DRAWING SHEET 0002

FOR CONTINUATION REFER TO DRAWING SHEET 0004

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**

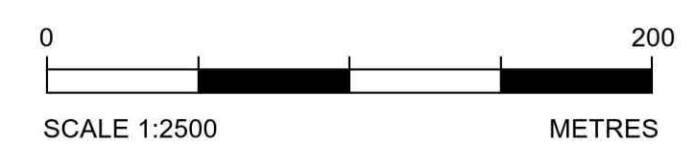
Project: REGIONAL DELIVERY PARTNERSHIP
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: **FIGURE 2.1 PRELIMINARY ENVIRONMENTAL DESIGN**
CH. 12100 TO 13600
SHEET 3 OF 19

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

State Code	Preliminary	
Project Stage	PCF3	
Scale	1:2500	DO NOT SCALE
Jacobs No.	B36601D1	Rev P01
Client no.	HE551497	

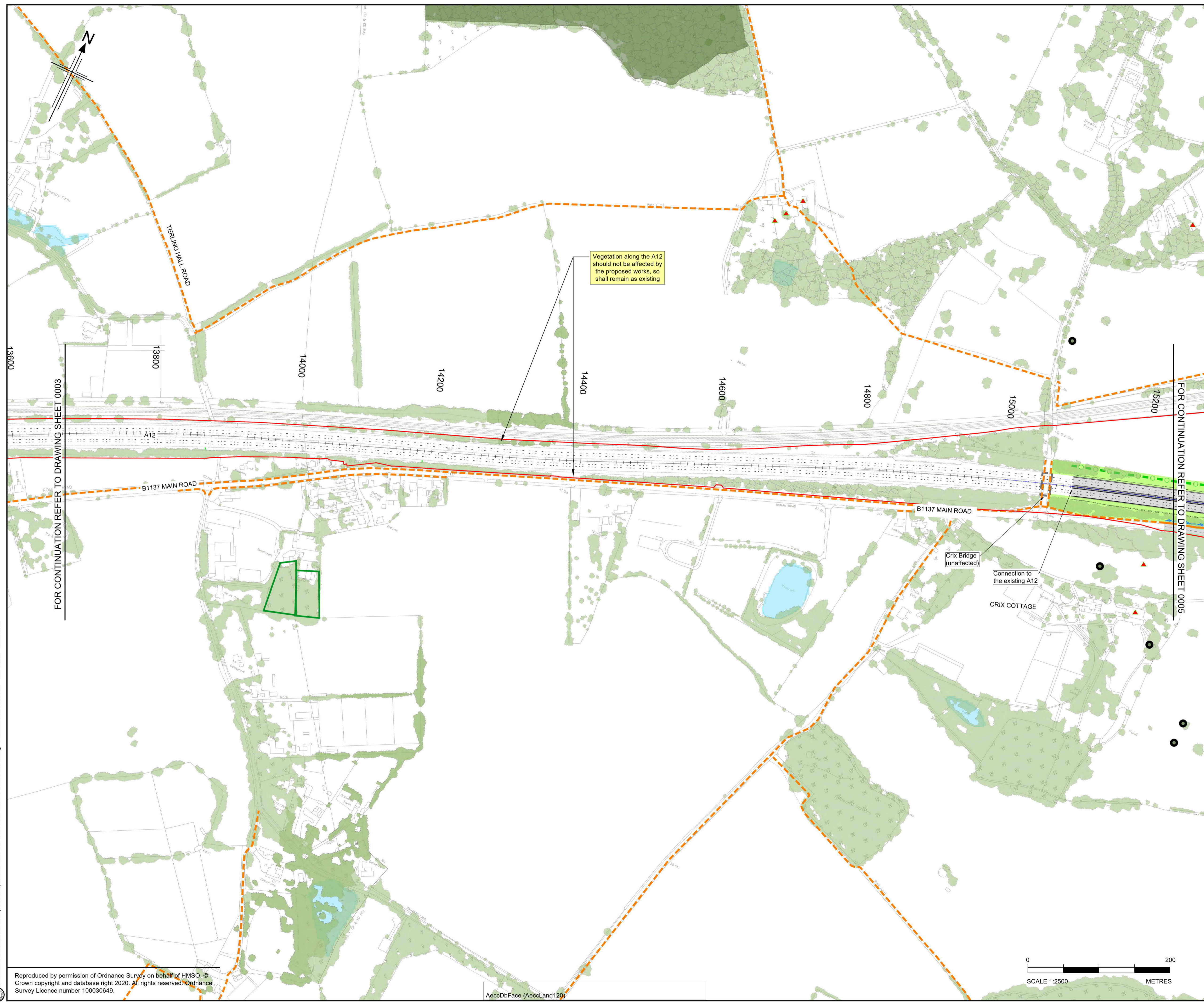
Drawing number: **HE551497 - JAC - ELS - SCHW**
Originator: **JAC** Volume: **ELS - DR - L - 0003**
Location: **SCHW** Type: **DR** Role: **L** Number: **0003**



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Landscape	Ecology	Acoustics
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- 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 Coltons Centre, Coltons Lane
London SE1 2QG. Tel: +44 (0)203 9802000
www.jacobs.com

Client: **highways england**

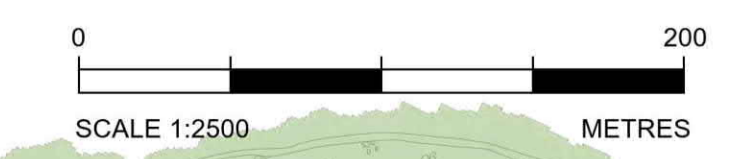
Project: REGIONAL DELIVERY PARTNERSHIP
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: **FIGURE 2.1 PRELIMINARY ENVIRONMENTAL DESIGN**
CH. 13600 TO 15400
SHEET 4 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

Drawing number: HE551497 - JAC - ELS - SCHW - DR - L - 0004
Originator: JAC, Volume: ELS, Location: SCHW, Type: DR, Role: L, Number: 0004

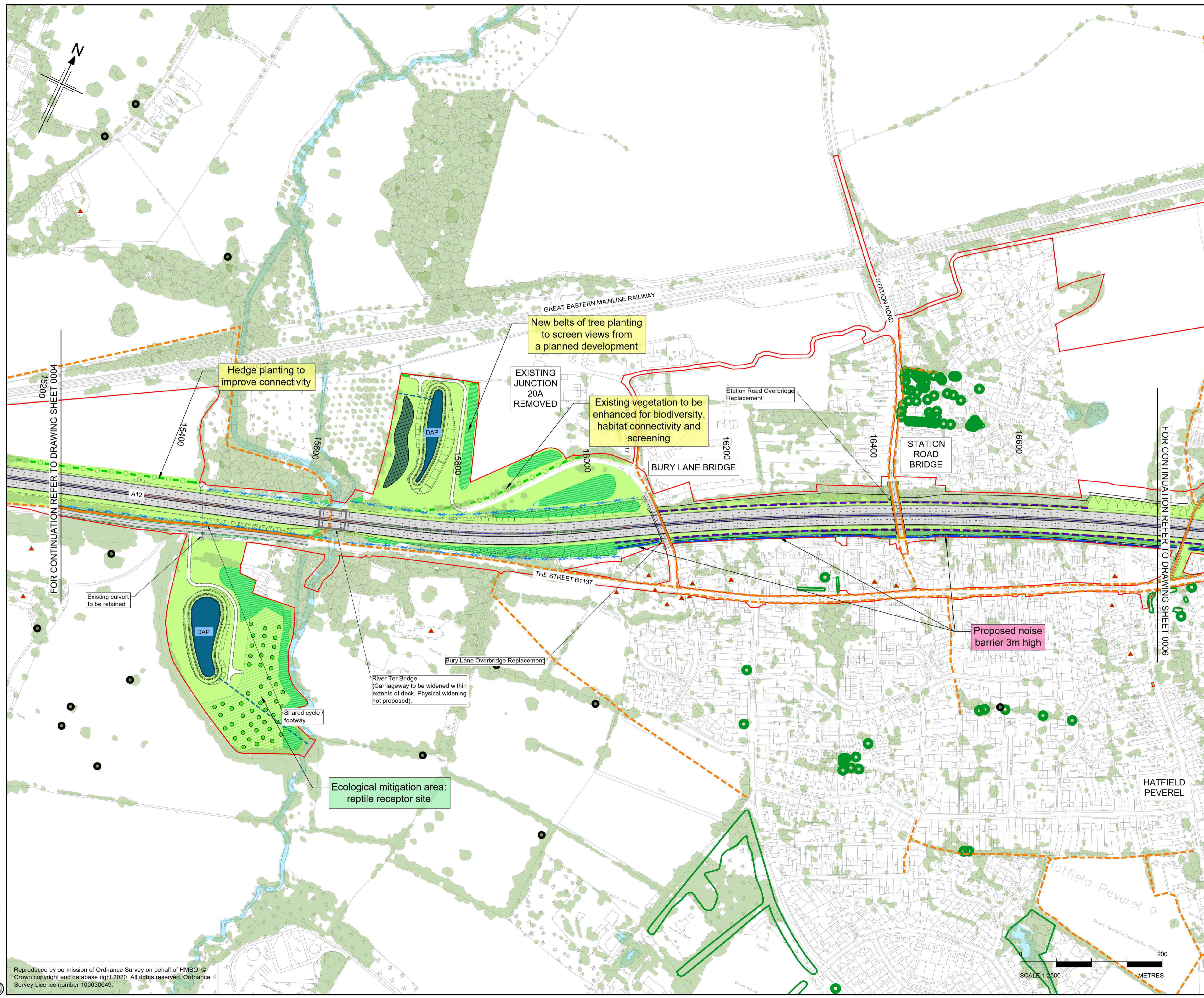


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AeccDbFace (AeccLand120)

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ENVIRONMENTAL TEXT BOX KEY

Landscape	Ecology	Acoustics
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- Existing public right of way / walking, cycling and horse-riding user route

PROPOSED

- Woodland planting of trees and shrubs
- Wet woodlands
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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/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	Appr'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. 15400 TO 16800
 SHEET 5 OF 19**

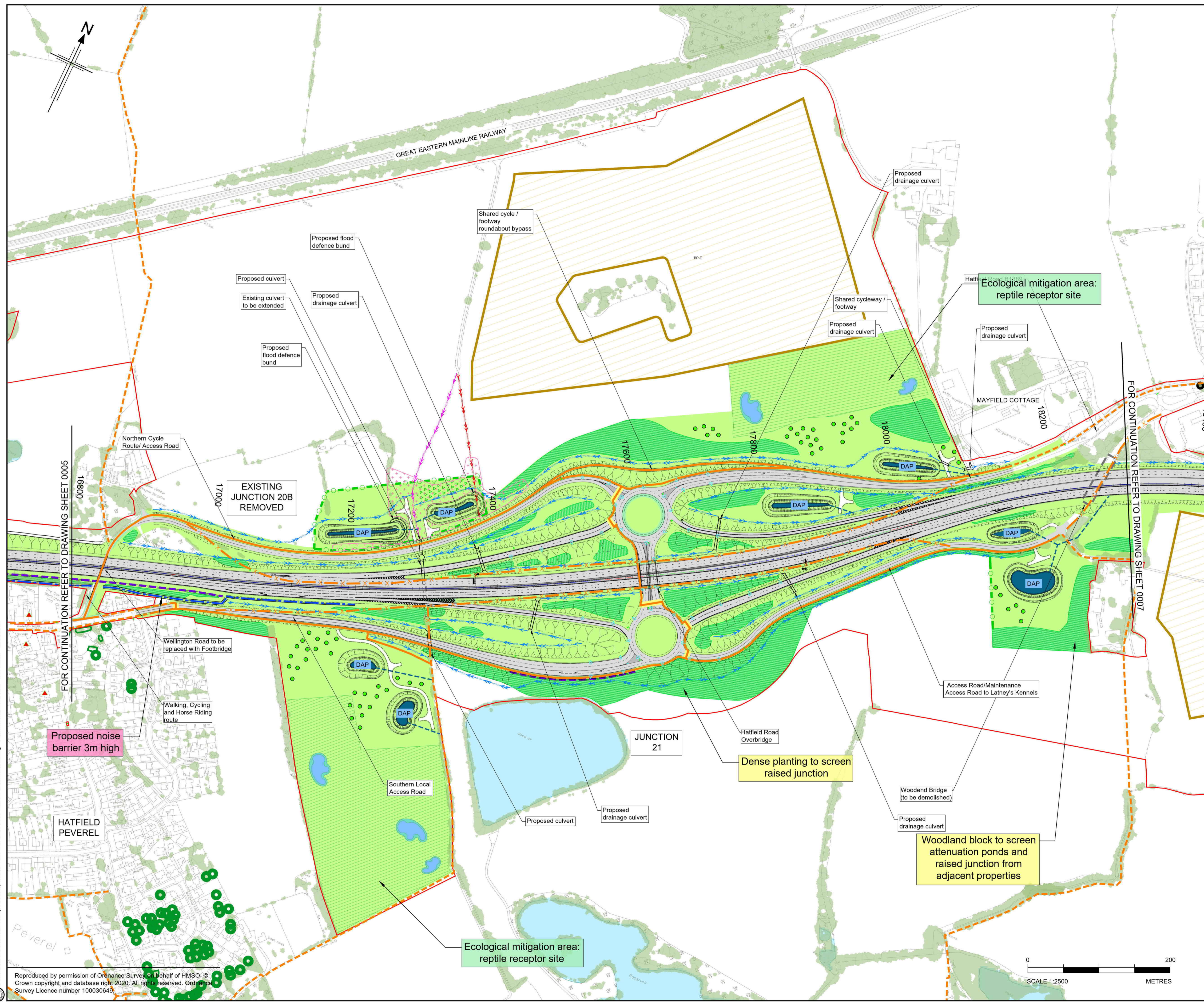
Drawing status: **S4 - SUITABLE FOR STAGE APPROVAL**

State Code	Preliminary	
Project Stage	PCF3	DO NOT SCALE
Scale	1:2500	Rev
Jacobs No.	B36601D1	P01
Client no.	HE551497	

Drawing number: **HE551497 - JAC - ELS - SCHW - DR - L - 0005**
 Originator: **JAC** Volume: **ELS**
 Location: **SCHW** Type: **DR** Role: **L** Number: **0005**

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ENVIRONMENTAL TEXT BOX KEY

Landscape	Ecology	Acoustics
Water	Heritage	Contaminated Land

DRAINAGE KEY

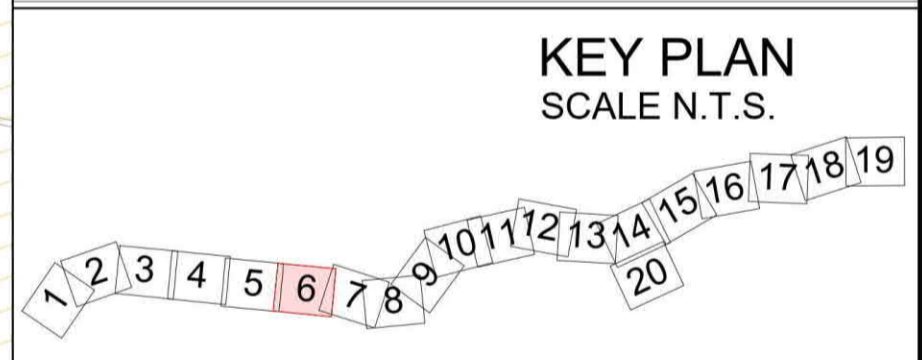
- DAP: Proposed drainage attenuation and water treatment pond - Outfall designed to environmental best practice.
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- Proposed floodplain compensation area (minor watercourse)

EXISTING

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- Trees protected by Tree Preservation Order (area or individual tree)
- Existing public right of way / walking, cycling and horse-riding user route

PROPOSED

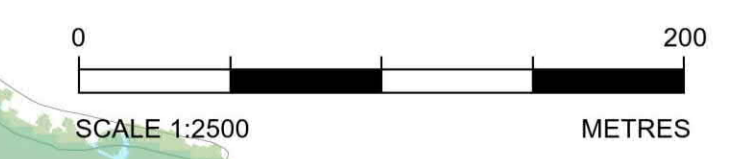
- Woodland planting of trees and shrubs
- Wet woodlands
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- Proposed borrow pit

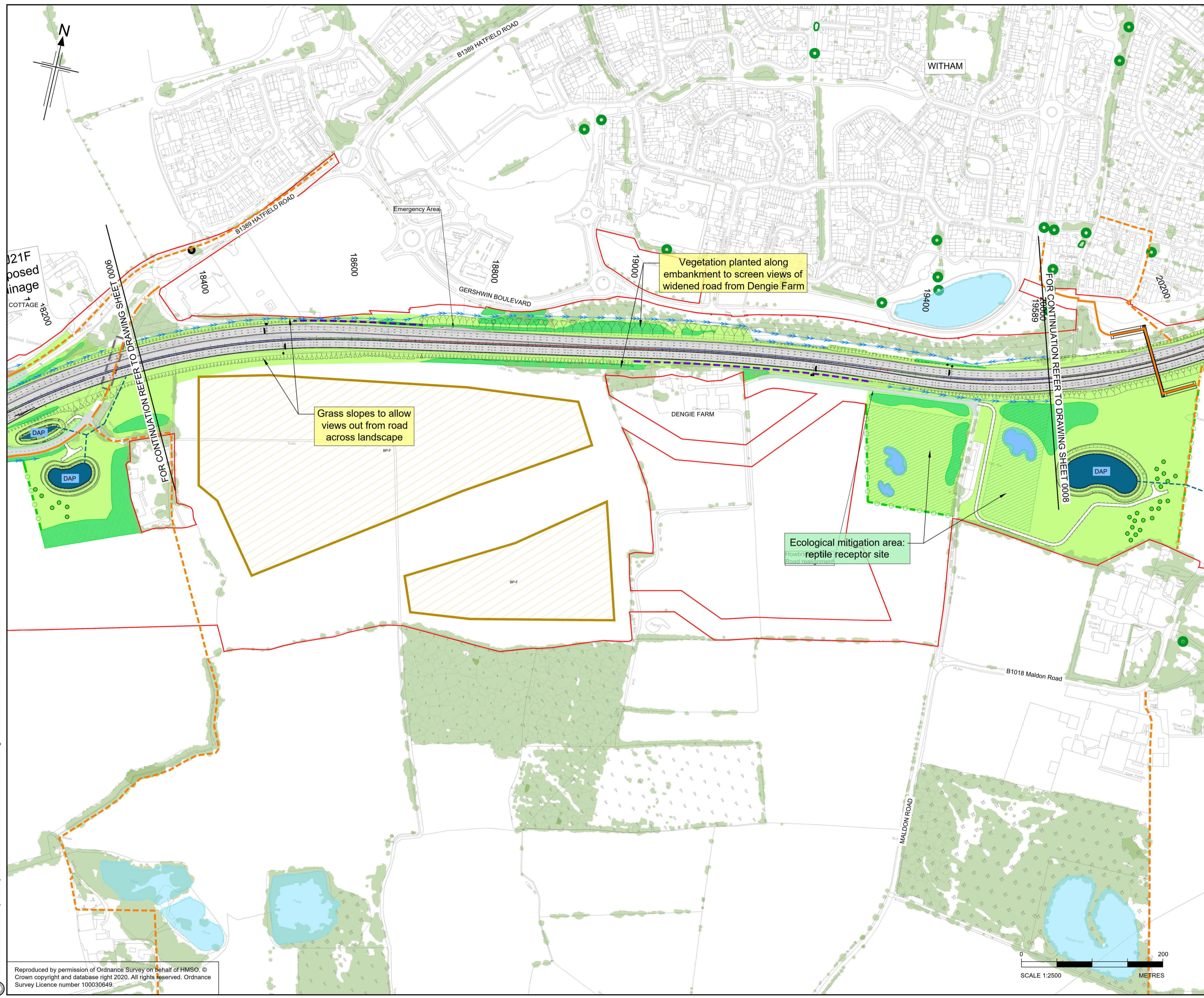


PO1	25/05/21	ORIGINAL ISSUE	HA	HM	HM	RC
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
Contractor: COSTAIN			Designer: Jacobs 2nd Floor Coltons Centre, Coltons Lane London SE1 2QG. Tel: +44 (0)203 9802000 www.jacobs.com			
Client: highways england			Project: REGIONAL DELIVERY PARTNERSHIP A12 CHELMSFORD TO A120 WIDENING SCHEME			
Drawing title: FIGURE 2.1 PRELIMINARY ENVIRONMENTAL DESIGN CH. 16800 TO 18300 SHEET 6 OF 19						
Drawing status: S4 - SUITABLE FOR STAGE APPROVAL						
State Code	Preliminary					
Project Stage	PCF3					
Scale	1:2500			DO NOT SCALE		
Jacobs No.	B36601D1		Rev		P01	
Client no.	HE551497					
Drawing number	PM	Originator	JAC	Volume	- ELS -	
HE551497 -		Location	SCHW	Type	Role	Number
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ENVIRONMENTAL TEXT BOX KEY

Landscape	Ecology	Acoustics
Water	Heritage	Contaminated Land

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- 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	Appr'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. 18300 TO 19600/20000 SHEET 7 OF 19						
Drawing status: S4 - SUITABLE FOR STAGE APPROVAL						
State Code	Preliminary					
Project Stage	PCF3					
Scale	1:2500	DO NOT SCALE				
Jacobs No.	B36601D1	Rev	P01			
Client no.	HE551497					
Drawing number	PM	Originator	JAC	Volume	-	
HE551497 -		Location	SCHW	Type	Role	Number
						-DR- L -0007

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