

A12 Chelmsford to A120 widening scheme

TR010060

2.12 STRUCTURES ENGINEERING DRAWINGS AND SECTIONS PART 2

APFP Regulation 5(2)(o), 5(2)(p) and 6(2)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

Volume 2

June 2023

Infrastructure Planning

Planning Act 2008

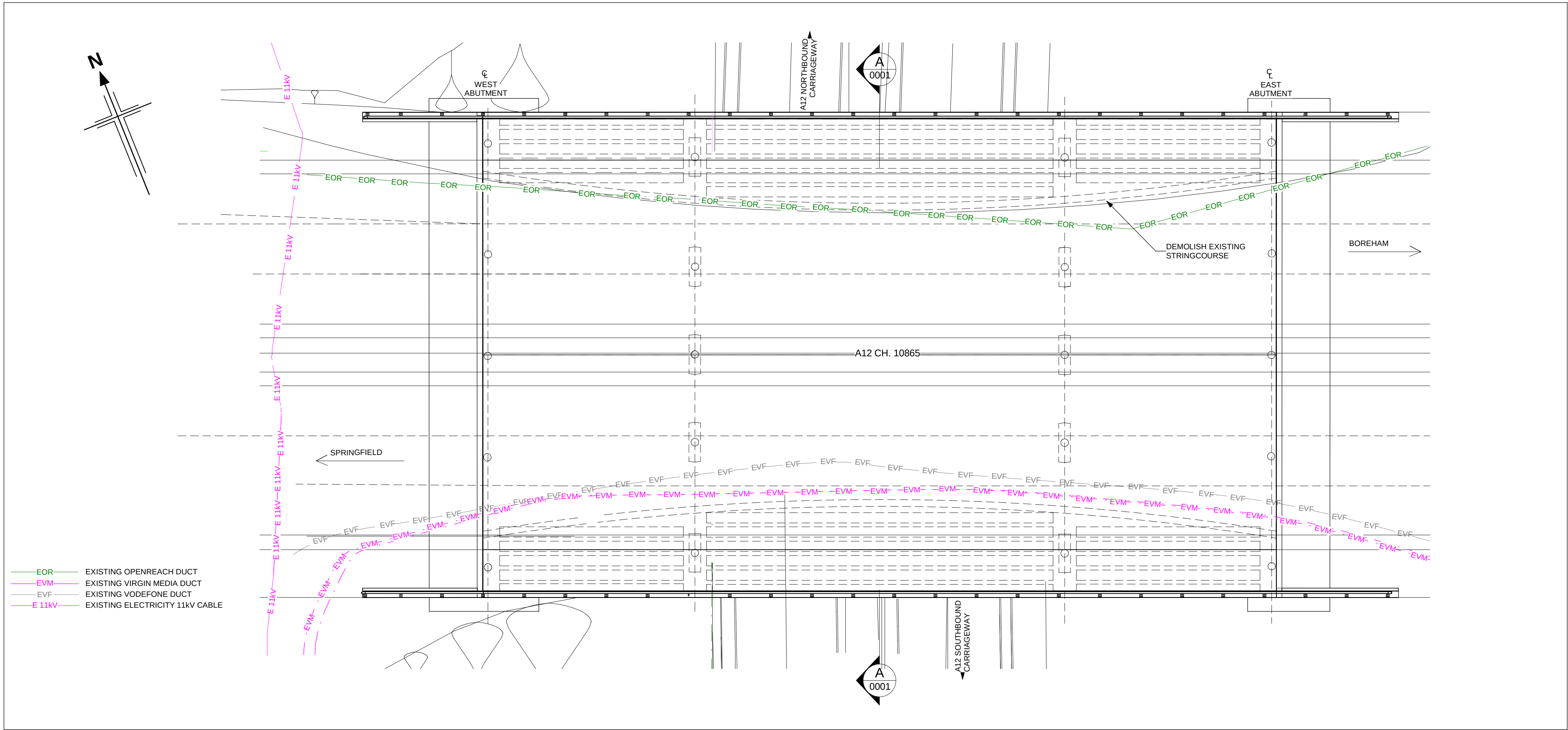
A12 Chelmsford to A120 widening scheme

Development Consent Order 202[]

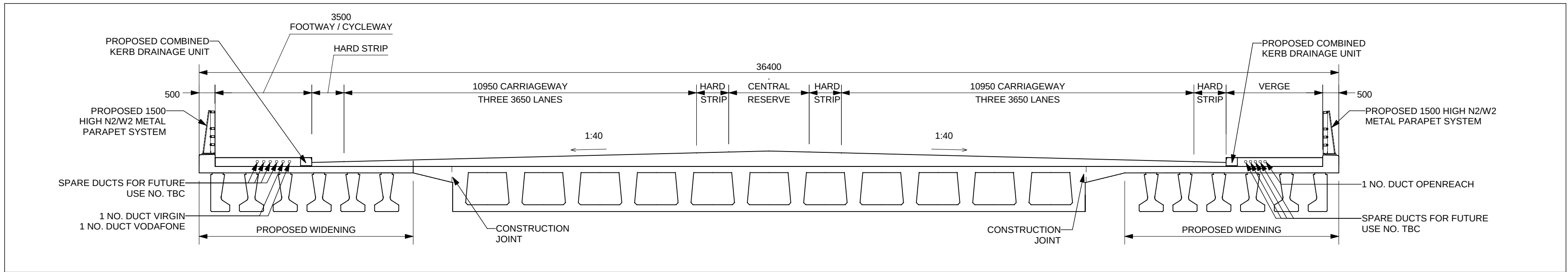
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS PART 2

Regulation Reference	Regulation 5(2)(o), 5(2)(p) and 6(2)
Planning Inspectorate Scheme Reference	TR010060
Application Document Reference	TR010060/APP/2.12
Author	A12 Project Team, National Highways

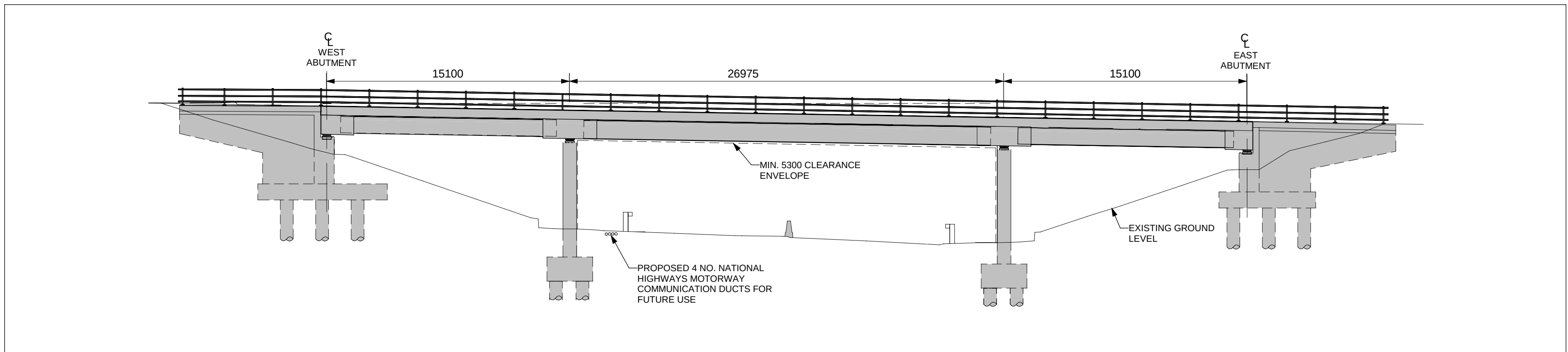
Version	Date	Status of Version
P02	June 2023	DCO Change



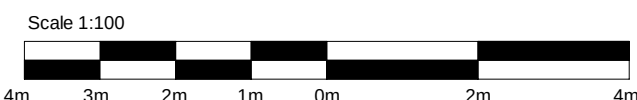
PLAN VIEW
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SECTION A-A
(SCALE 1 : 100)



SOUTH ELEVATION
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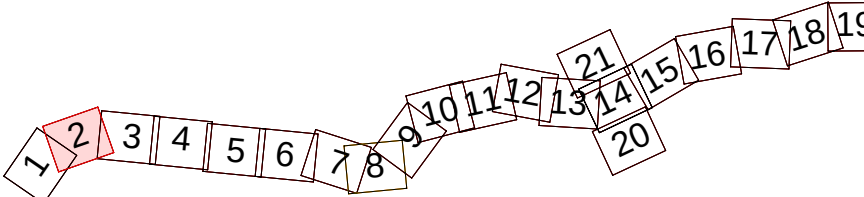


NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).



KEY PLAN
SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Checkd	Rev'd	Apprv'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number:	TR010060	Development Consent Order Drawing Number:	TR010060/APP/2.12
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Client



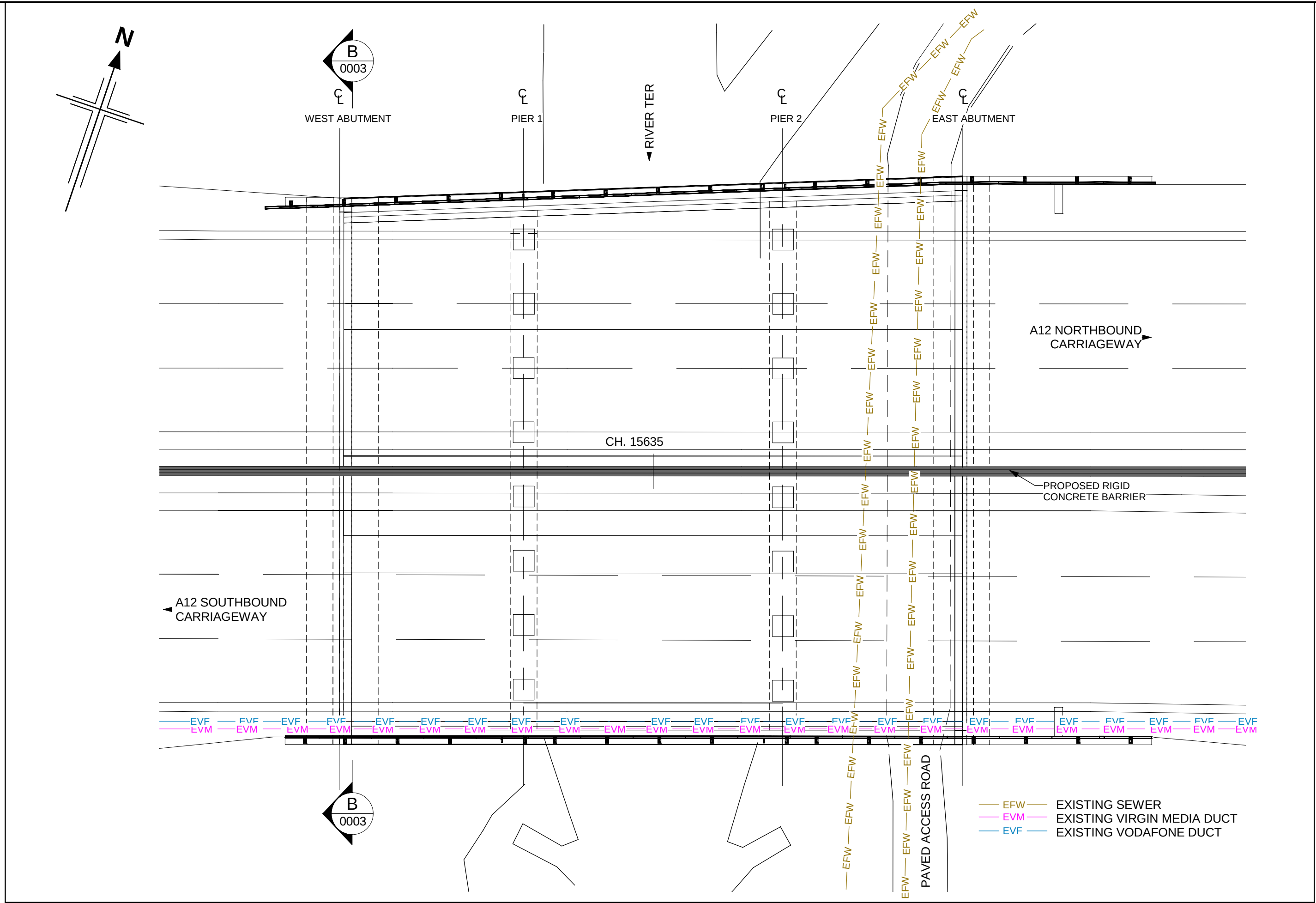
Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

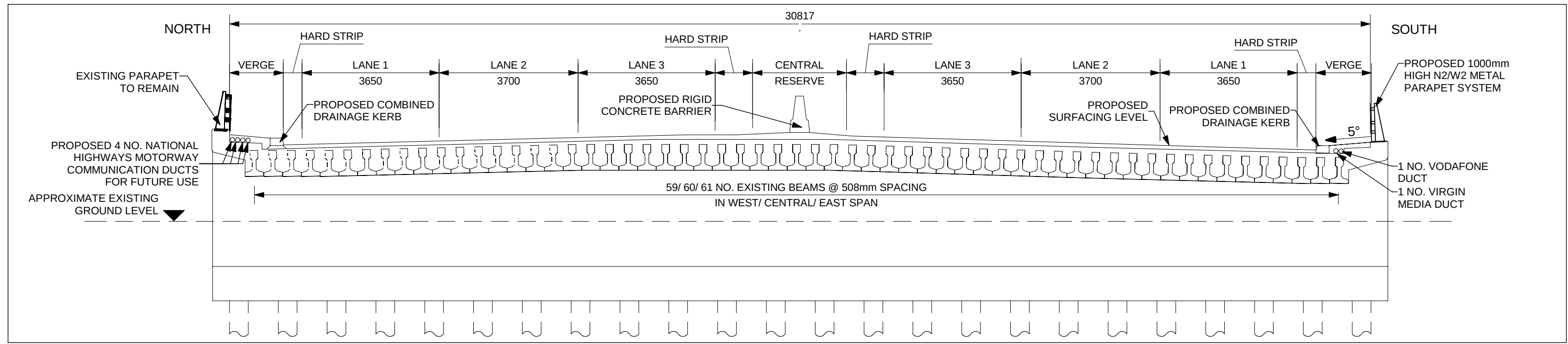
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
BOREHAM OVERBRIDGE - WORK No. 1(b) - CH. 10865
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 1 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	PIN
Originator	JAC
Volume	LDC
Type	DR
Role	S
Number	0001

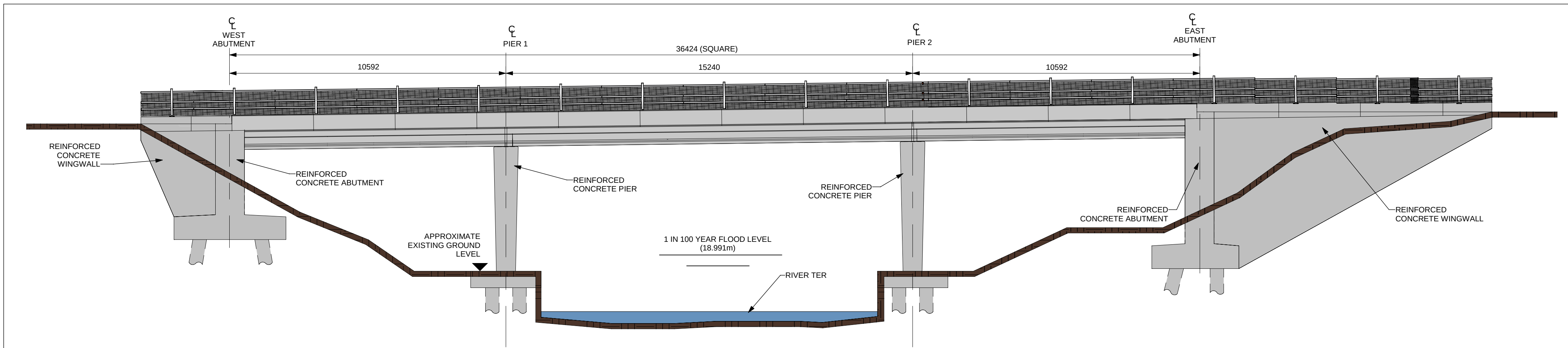
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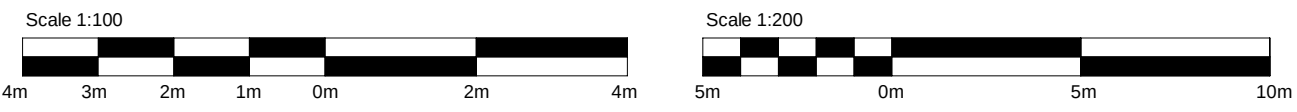
PLAN
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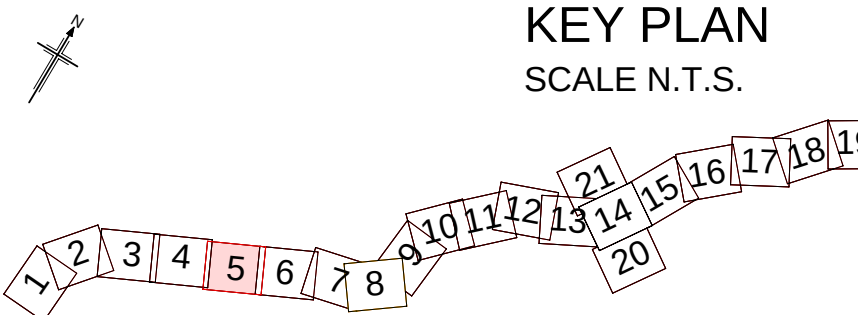
SECTION B-B
(SCALE 1 : 100)



SOUTH ELEVATION
(SCALE 1 : 100)



- NOTES:
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P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12

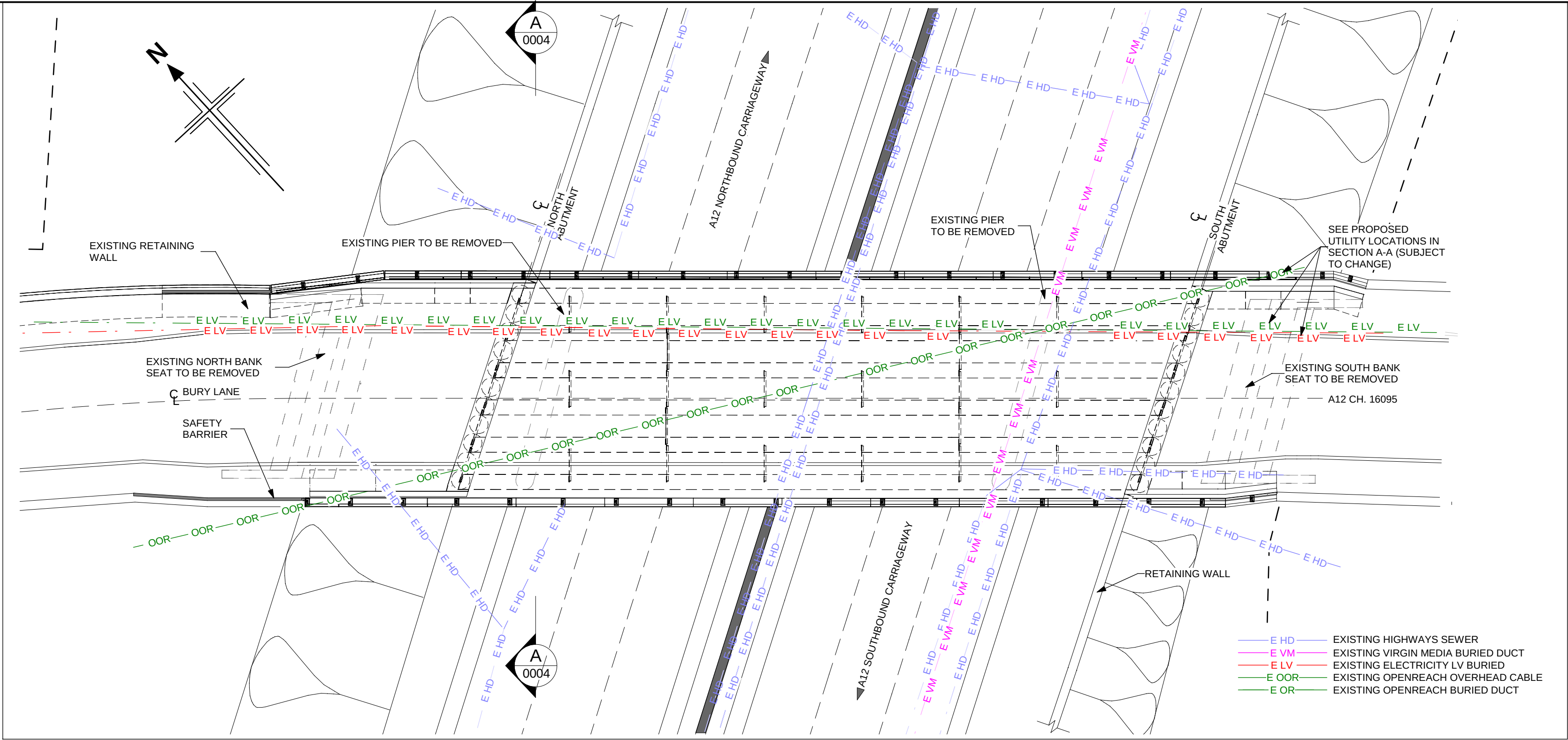


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

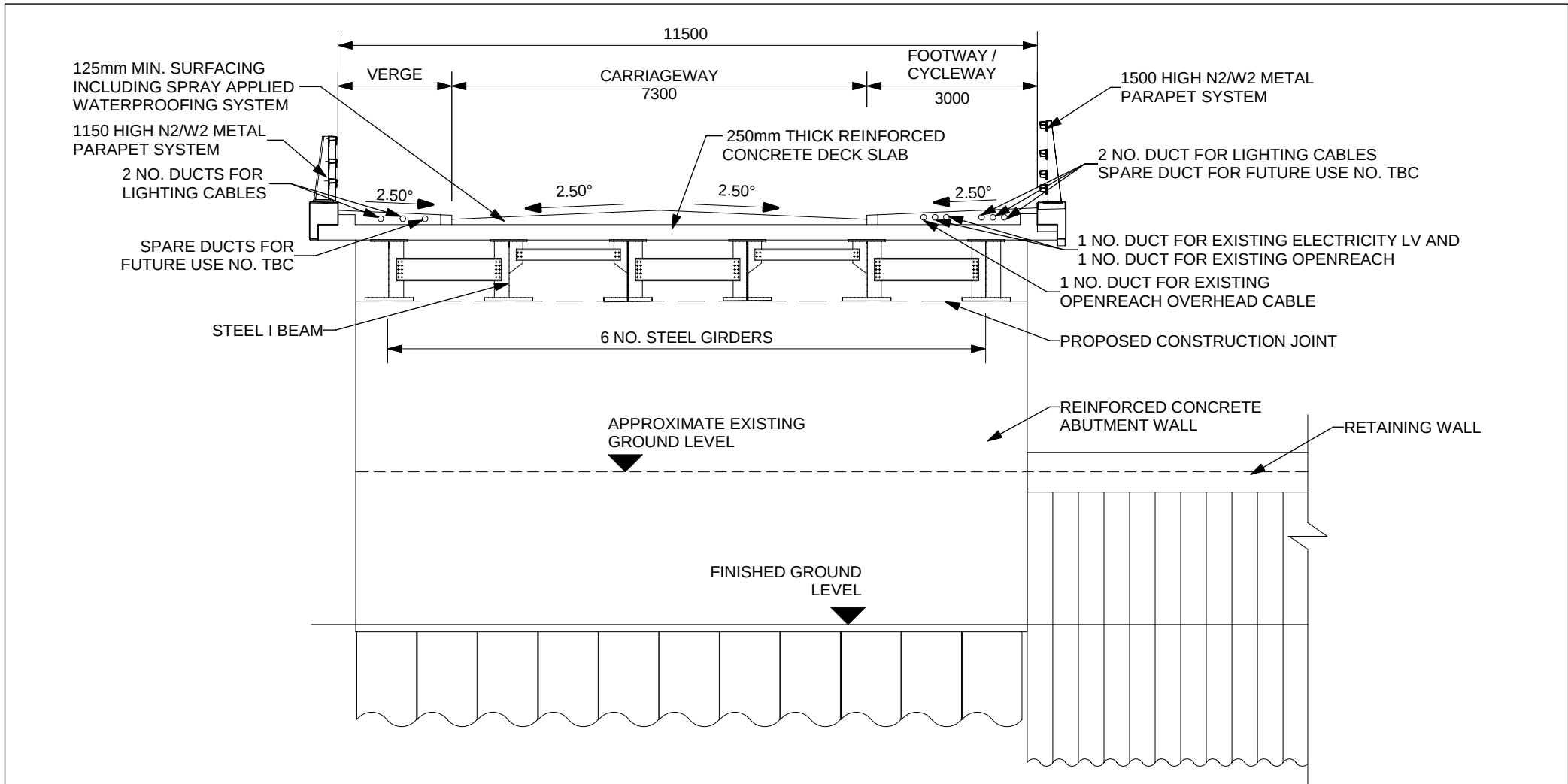
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
RIVER TER UNDERBRIDGE - WORK No. 12(a) - CH. 15635
(EXISTING STRUCTURE - NON-PHYSICAL WIDENING)
SHEET 3 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary		Drawing status		
Project Stage	PCF3		S4		
Scale at A1 (841x594mm)	AS SHOWN		Rev		
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Client no.	HE551497				

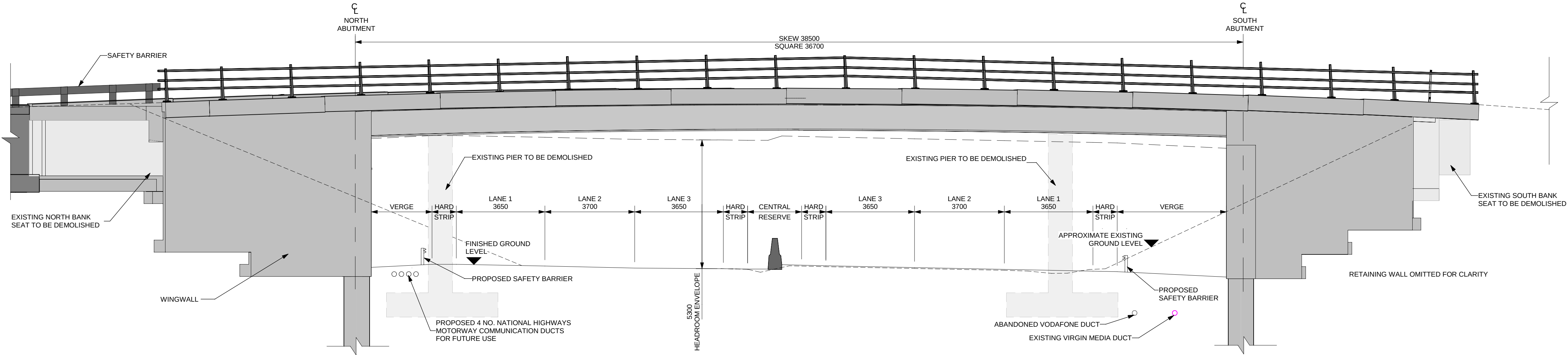
Drawing number
PIN
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Location
SCHW
Originator
JAC
Volume
LDC
Type | Role | Number
DR S 0003



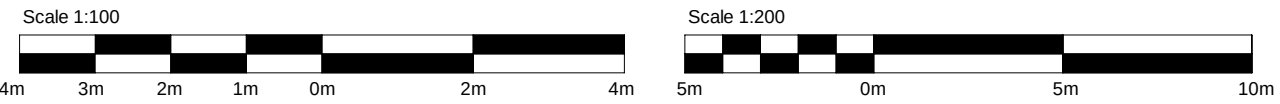
PLAN
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 100)

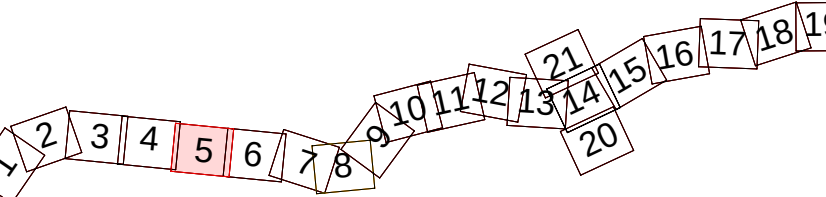


WEST ELEVATION
(SCALE 1 : 100)



- NOTES:
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KEY PLAN
SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number: TR010060
Development Consent Order Number: TR010060/APP/2.12



A12 CHELMSFORD TO A120 WIDENING SCHEME

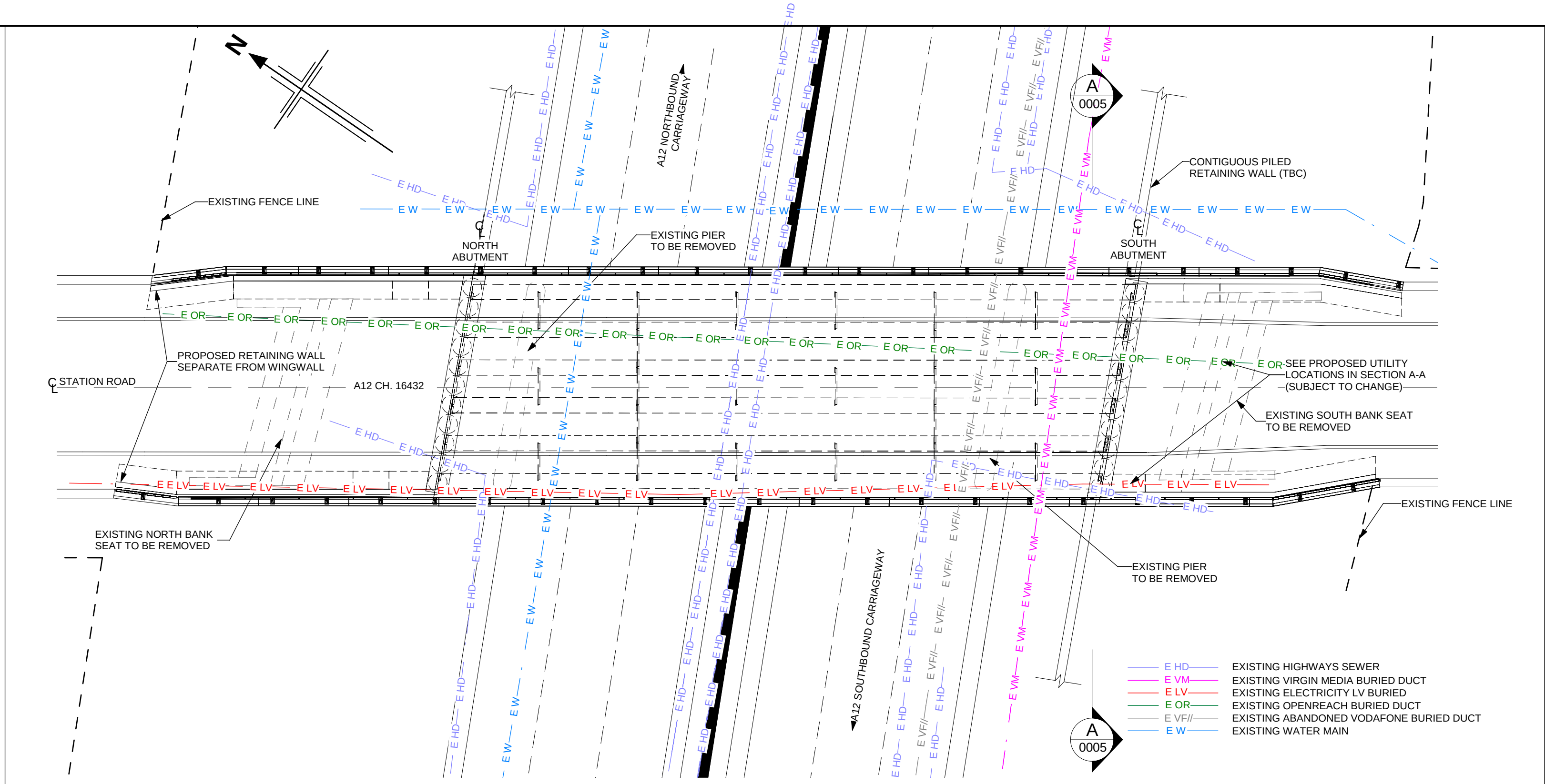
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
BURY LANE OVERBRIDGE REPLACEMENT - WORK No. 9
- CH. 16095
(PROPOSED STRUCTURE)
SHEET 4 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary		Drawing status		
Project Stage	PCF3		S4		
Scale at A1 (841x594mm)	AS SHOWN		Rev		
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Client no.	HE551497				

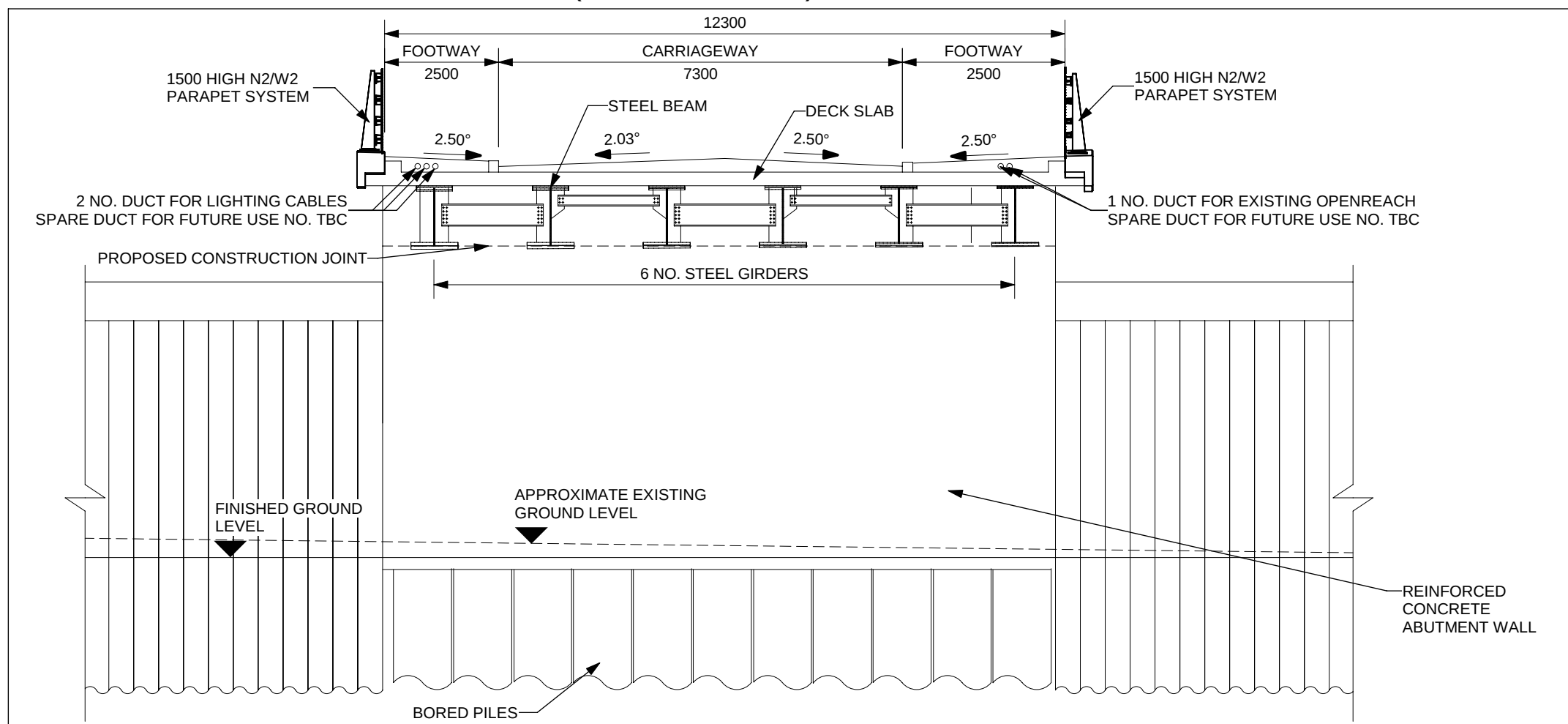
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HE551497
Originator
JAC
Volume
LDC
Location
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Type
DR
Role
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Number
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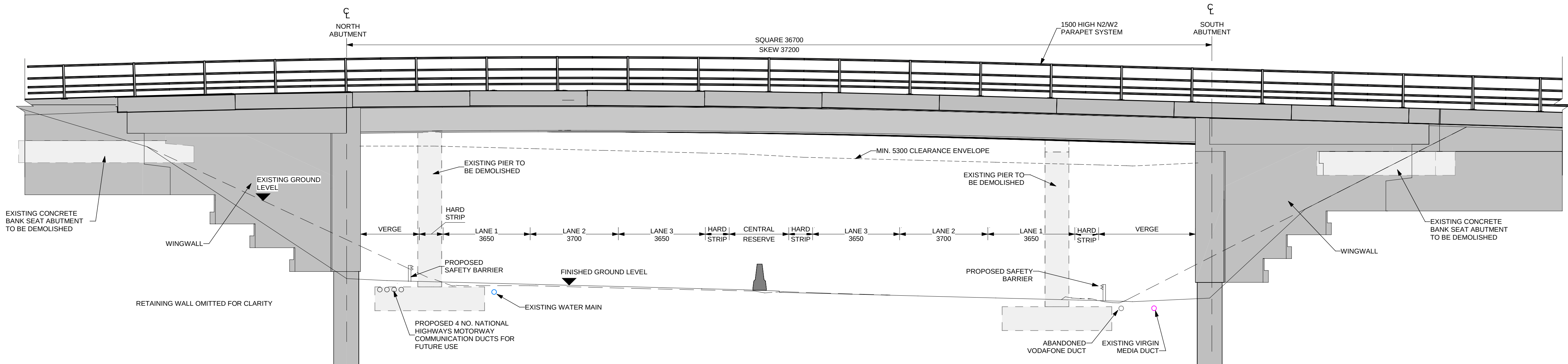
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PLAN
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 100)

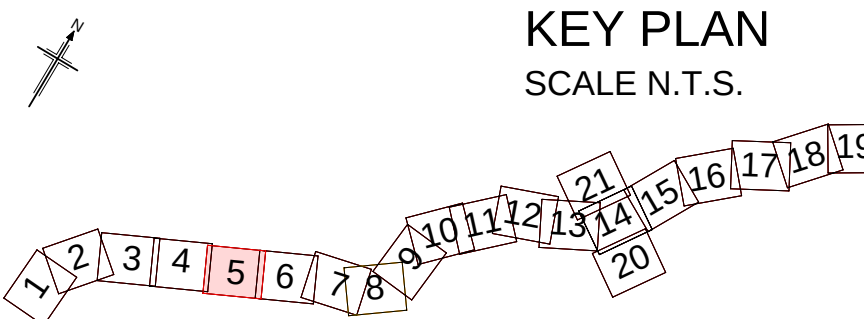


WEST ELEVATION
(SCALE 1 : 100)



NOTES:

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Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12

Client: **national highways**

Project: **A12 CHELMSFORD TO A120 WIDENING SCHEME**

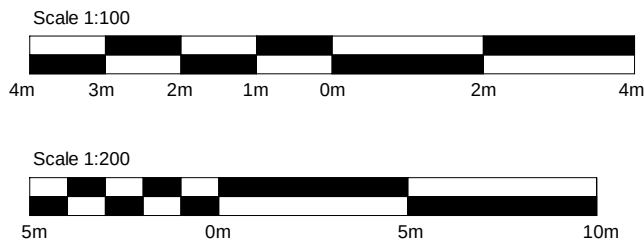
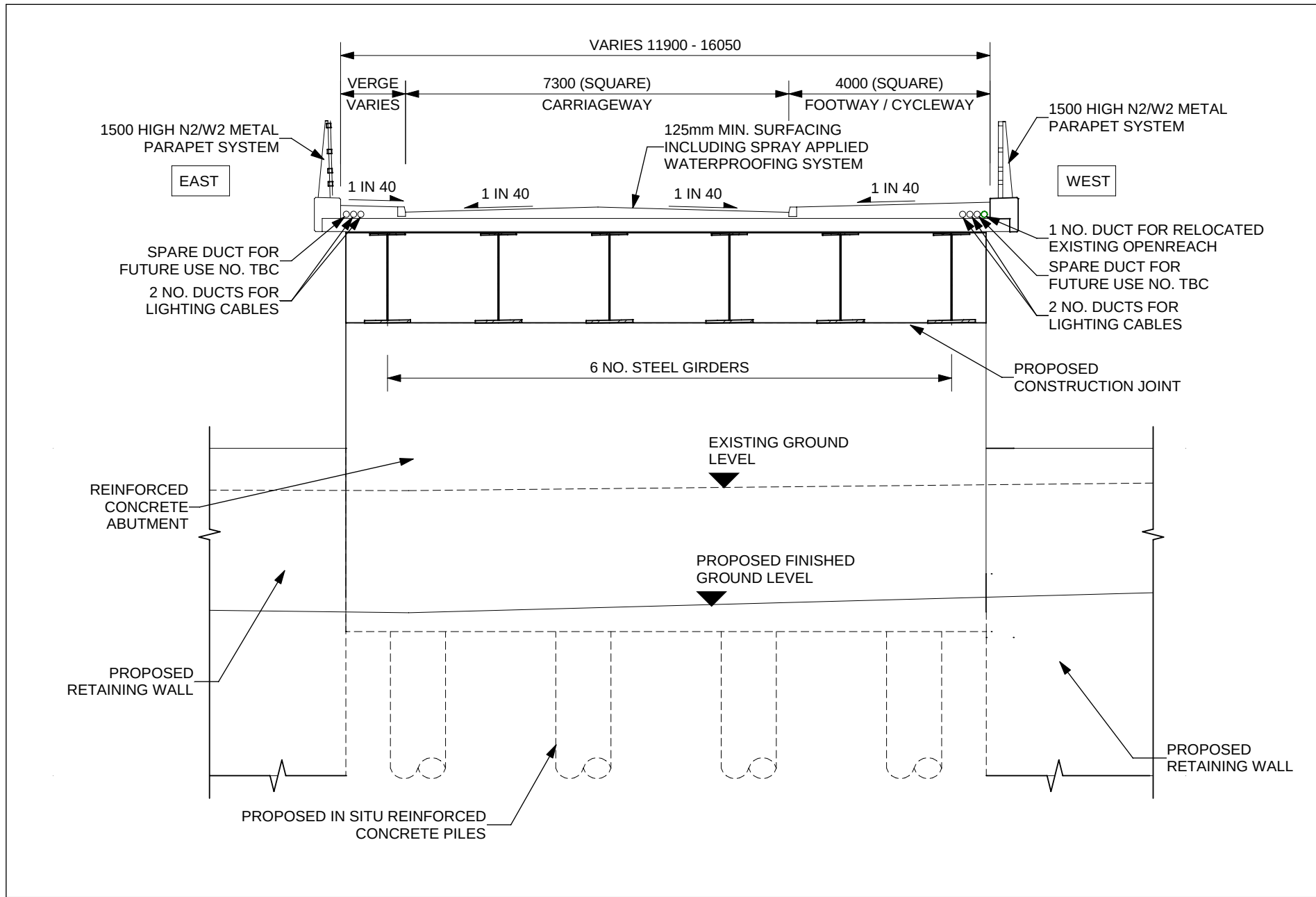
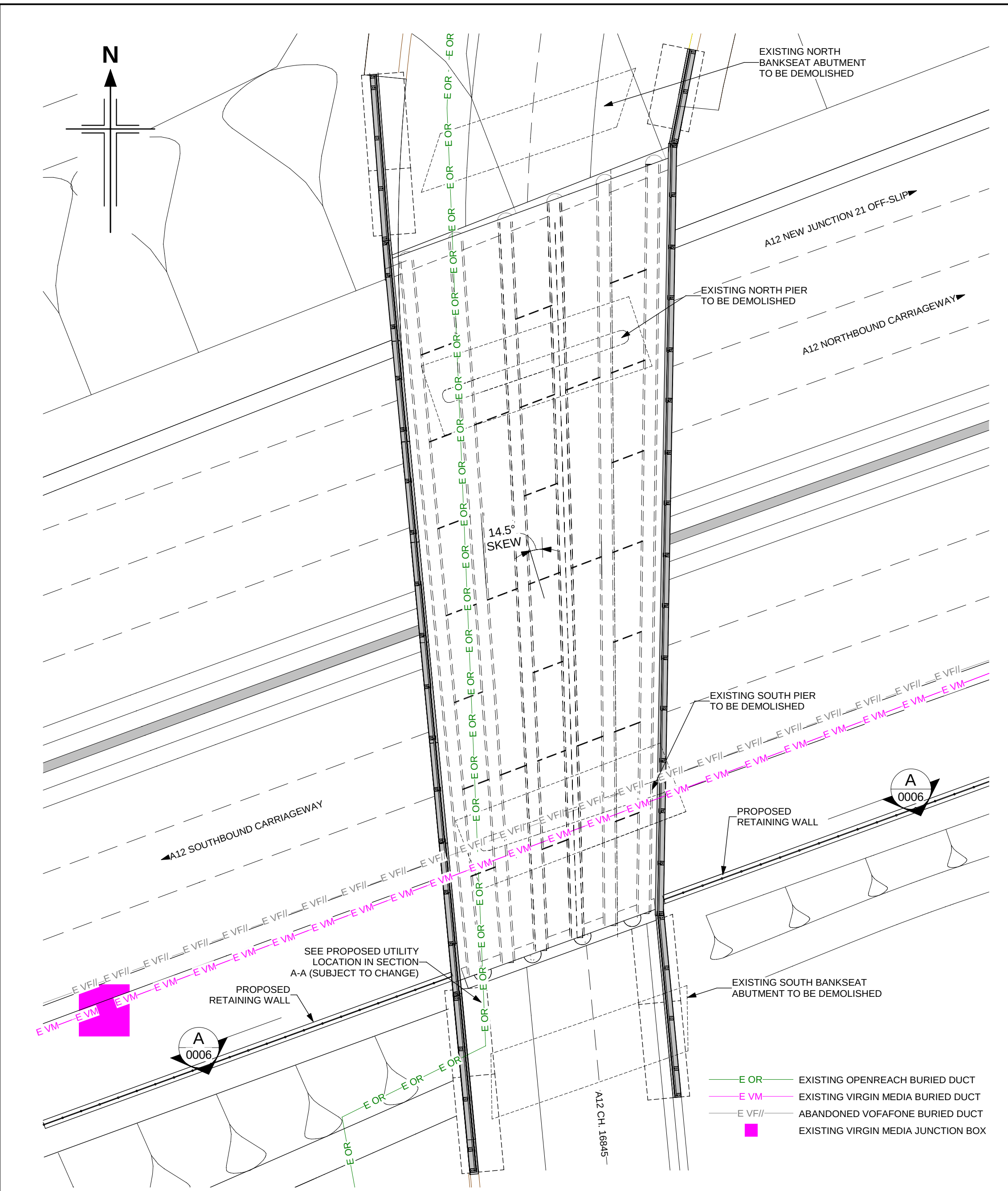
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STATION ROAD OVERBRIDGE REPLACEMENT - WORK
No. 10 - CH. 16432
(PROPOSED STRUCTURE)
SHEET 5 OF 30**

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary		Drawing status		
Project Stage	PCF3		S4		
Scale at A1 (841x594mm)	AS SHOWN		Rev		
Jacobs No.	B36601D1		P01		
Client no.	HE551497				

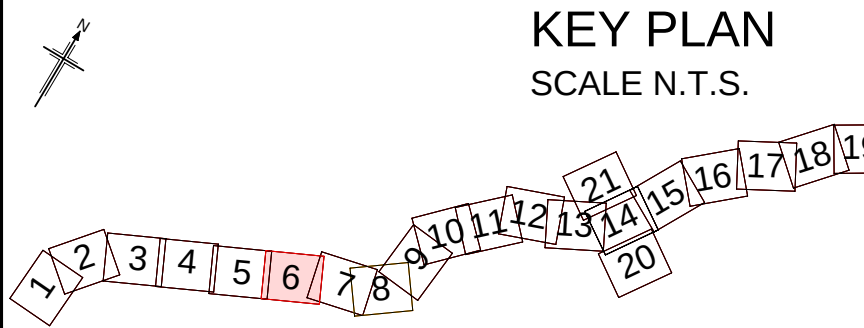
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PIN: **JAC**
Originator: **SCHW**
Volume: **LDC**
Location: **DR**
Type: **S**
Role: **0005**
Number: **0005**

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- NOTES:
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Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

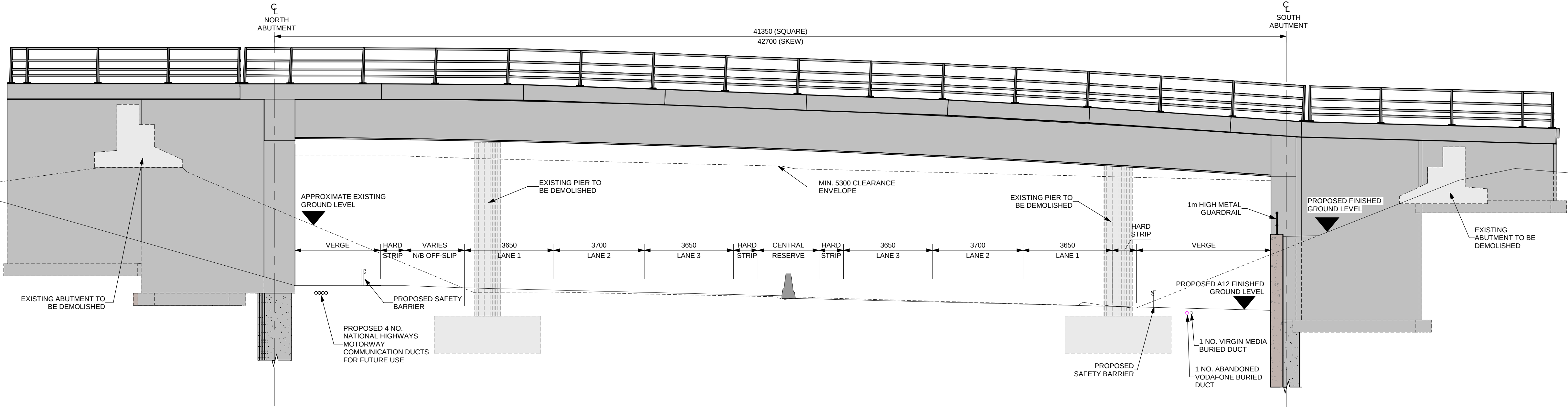
Development Consent Order Number:	TR010060
Development Consent Order Drawing Number:	TR010060/APP/2.12



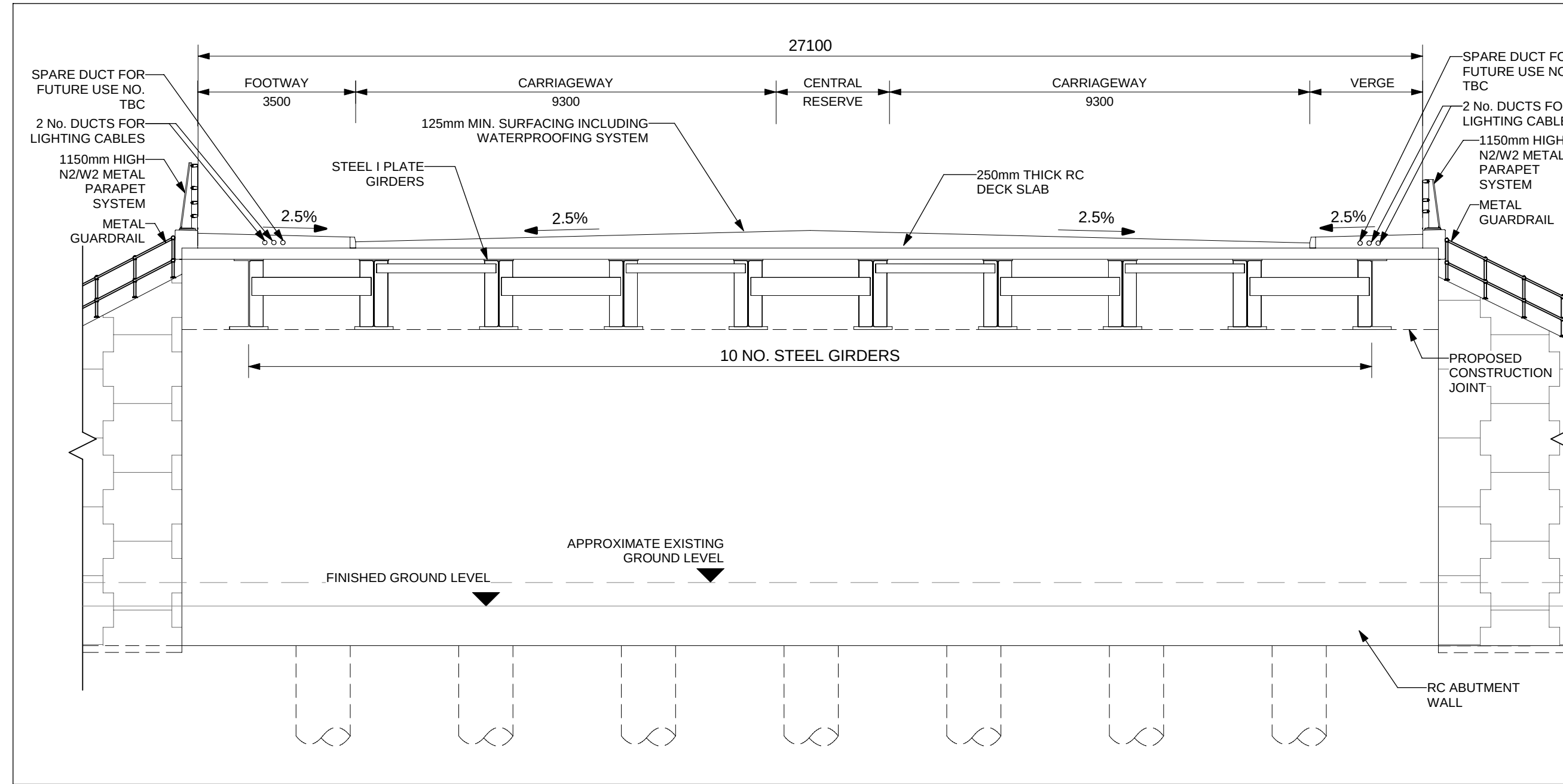
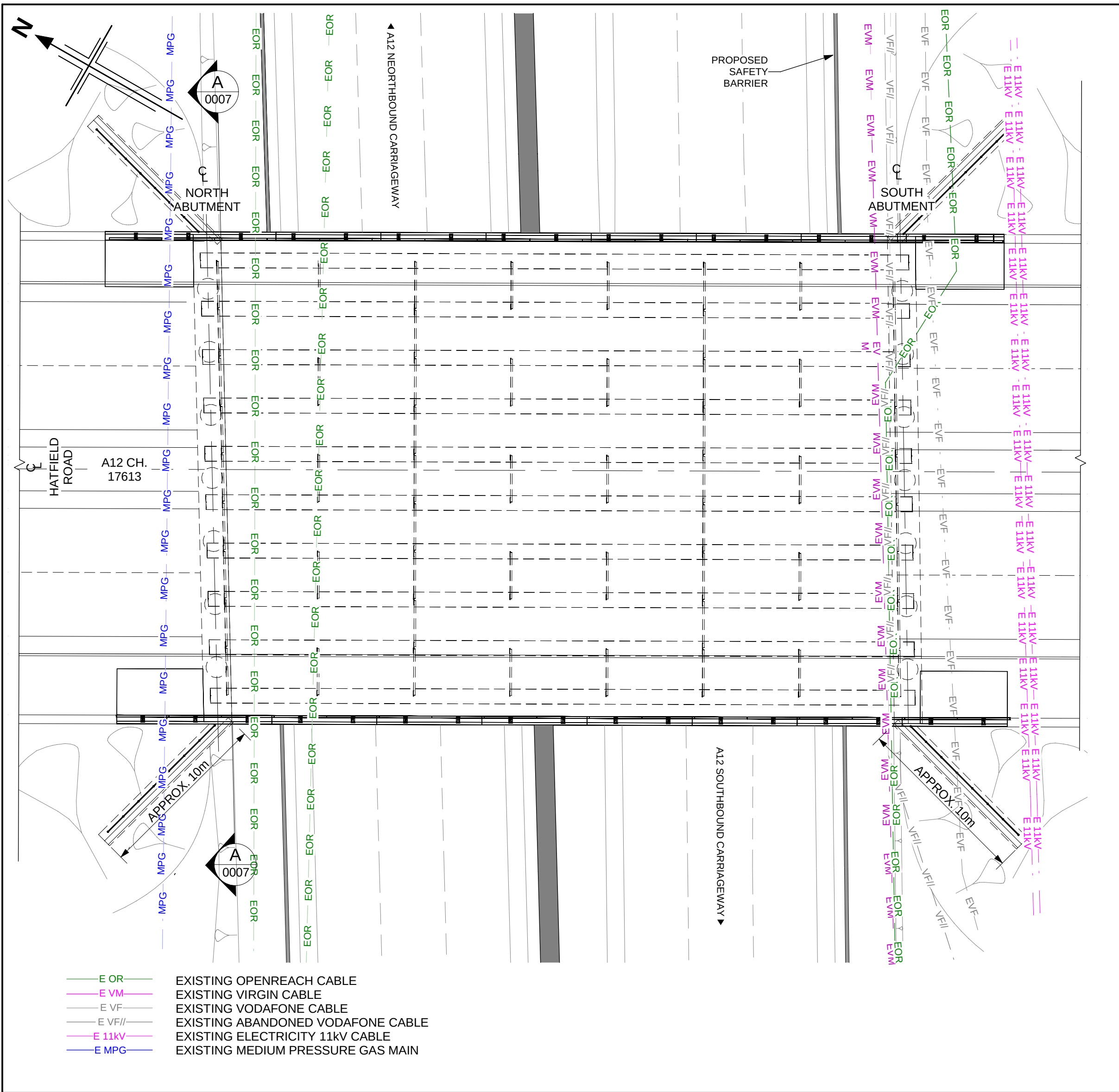
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
WELLINGTON ROAD BRIDGE REPLACEMENT - WORK No. 18(b) - CH. 16845
(PROPOSED STRUCTURE)
SHEET 6 OF 30

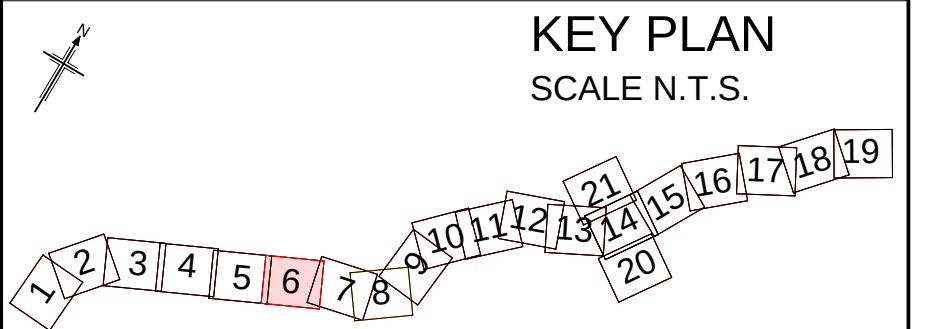
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Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	HE551497
PIN	JAC
Originator	LDC
Volume	S4
Type	DR
Role	S
Number	0006



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- NOTES:
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Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12

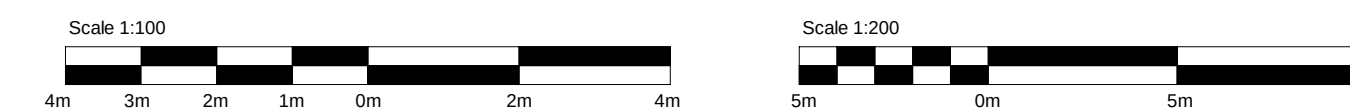
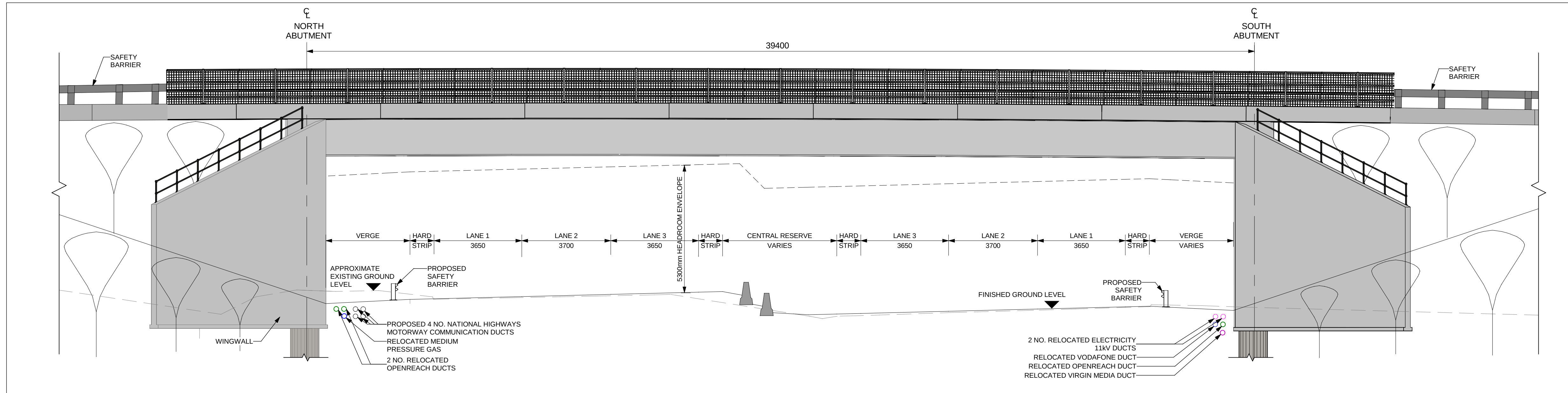


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
HATFIELD ROAD OVERBRIDGE - WORK No. 18(a) - CH. 17613 (PROPOSED STRUCTURE)
SHEET 7 OF 30

Regulation	REGULATION 5(2)(a), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF3				S4
Scale at A1 (841x594mm)	AS SHOWN				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				

Drawing number PIN
HE551497
Originator JAC
Location SCHW
Volume LDC
Type DR
Role S
Number 0007

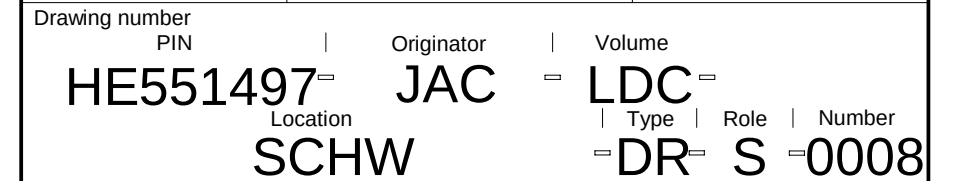


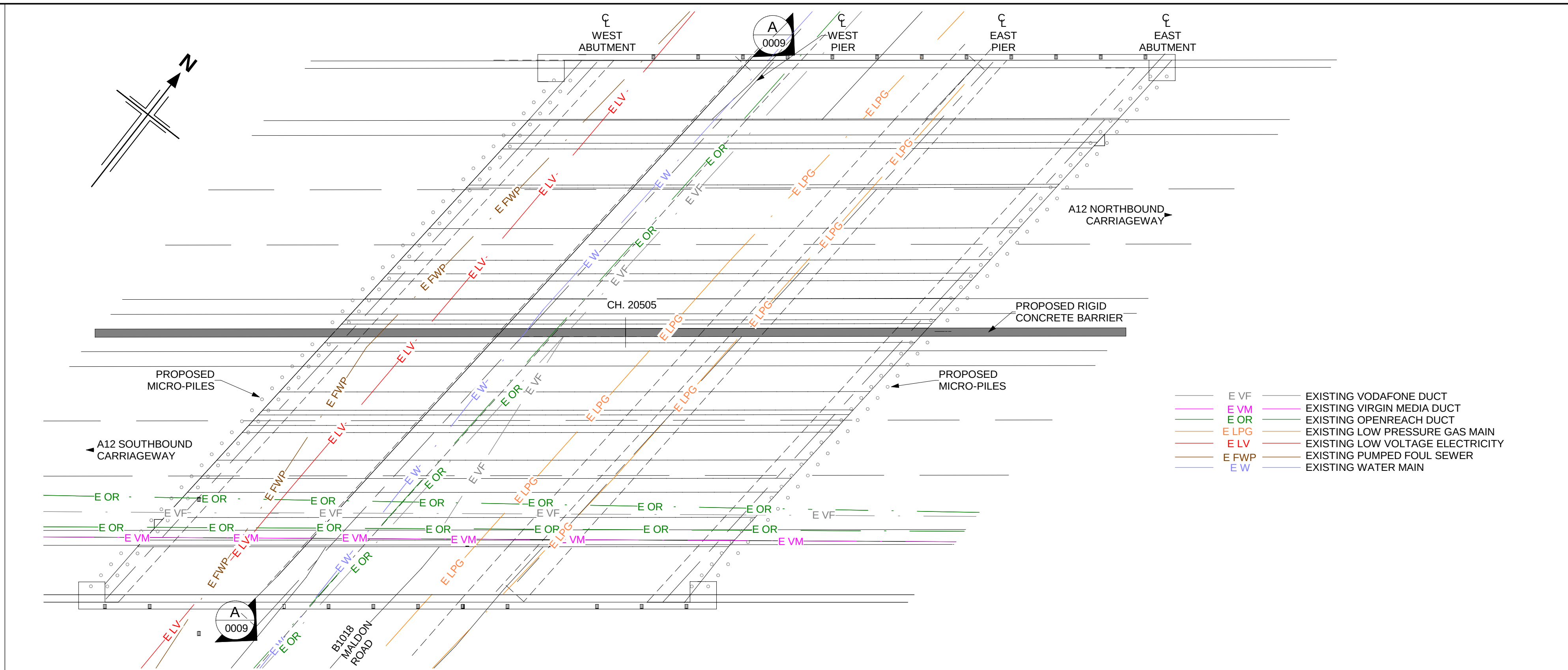
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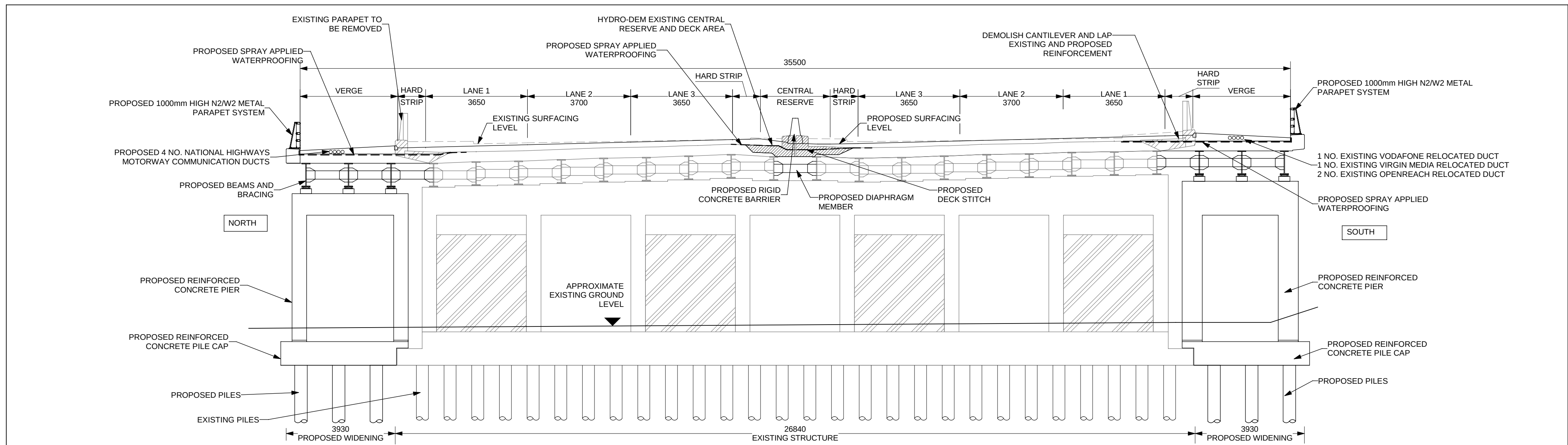
NOTES:

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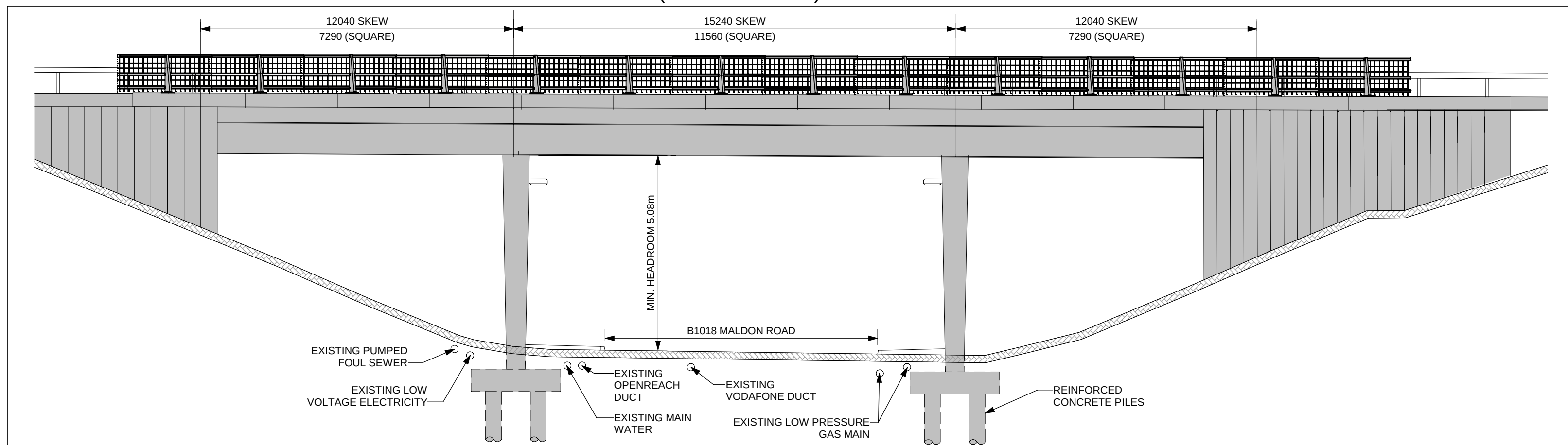




PLAN
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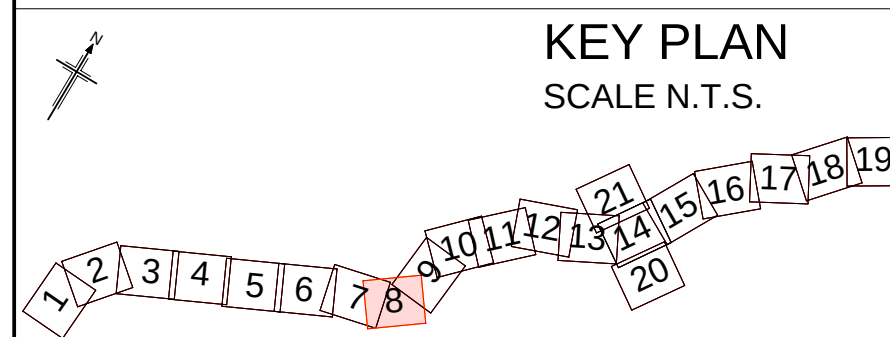


SECTION A-A
(SCALE 1 : 100)



SOUTH ELEVATION
(SCALE 1 : 100)

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P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
Development Consent Order Number:			Development Consent Order Drawing Number:			
TR010060			TR010060/APP/2.12			

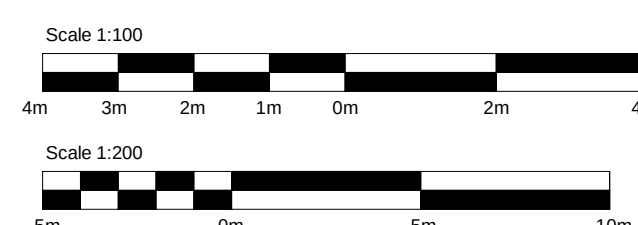


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
OLIVERS UNDERBRIDGE - WORK No. 24(c) - CH. 20505
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 9 OF 30

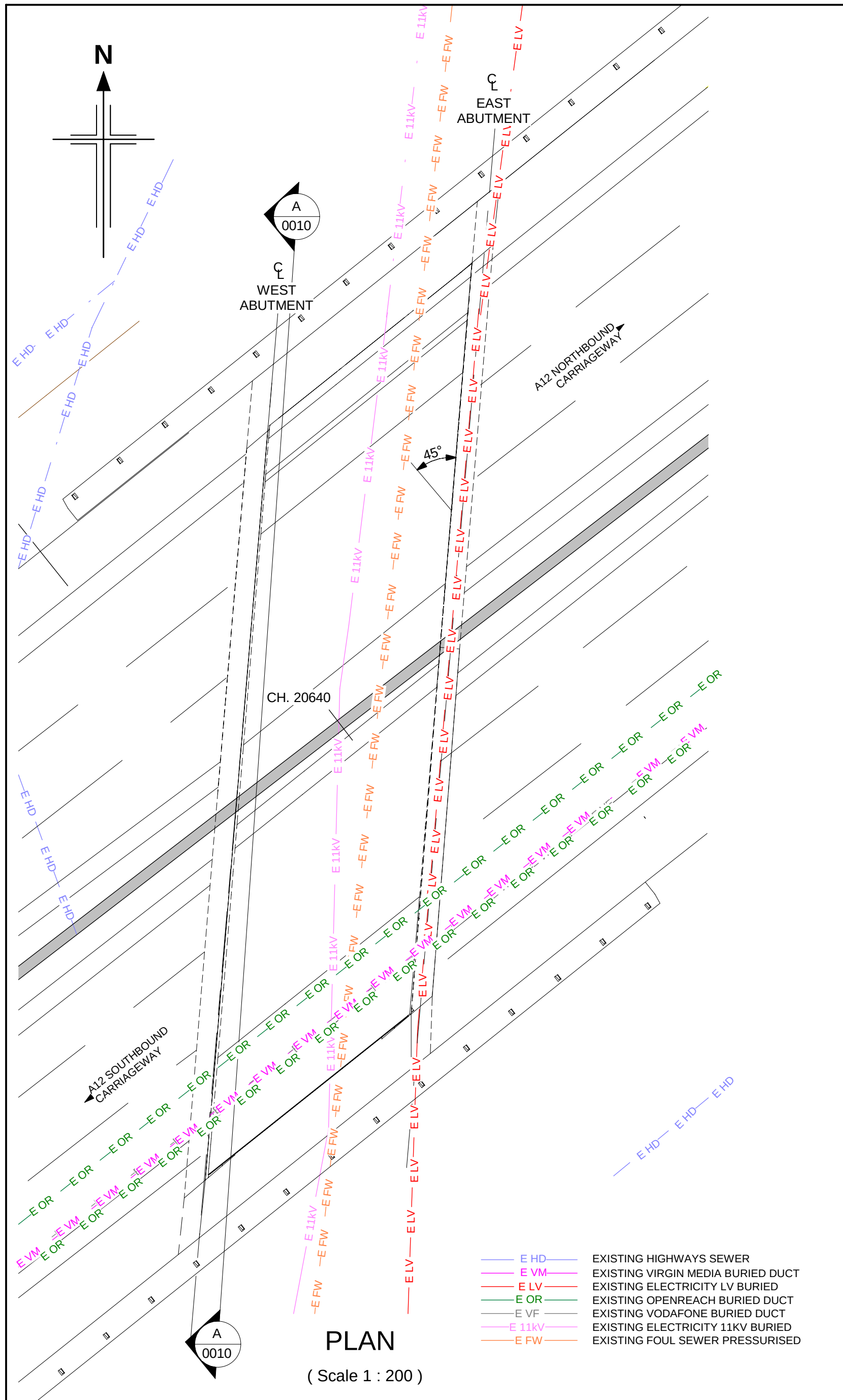
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Purpose of issue	DCO APPLICATION				
State Code	Preliminary		Drawing status		
Project Stage	PCF3		S4		
Scale at A1 (841x594mm)	AS SHOWN		Rev		
Jacobs No.	B36601D1		P01		
Client no.	HE551497				

Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
SCHW		DR	S 0009

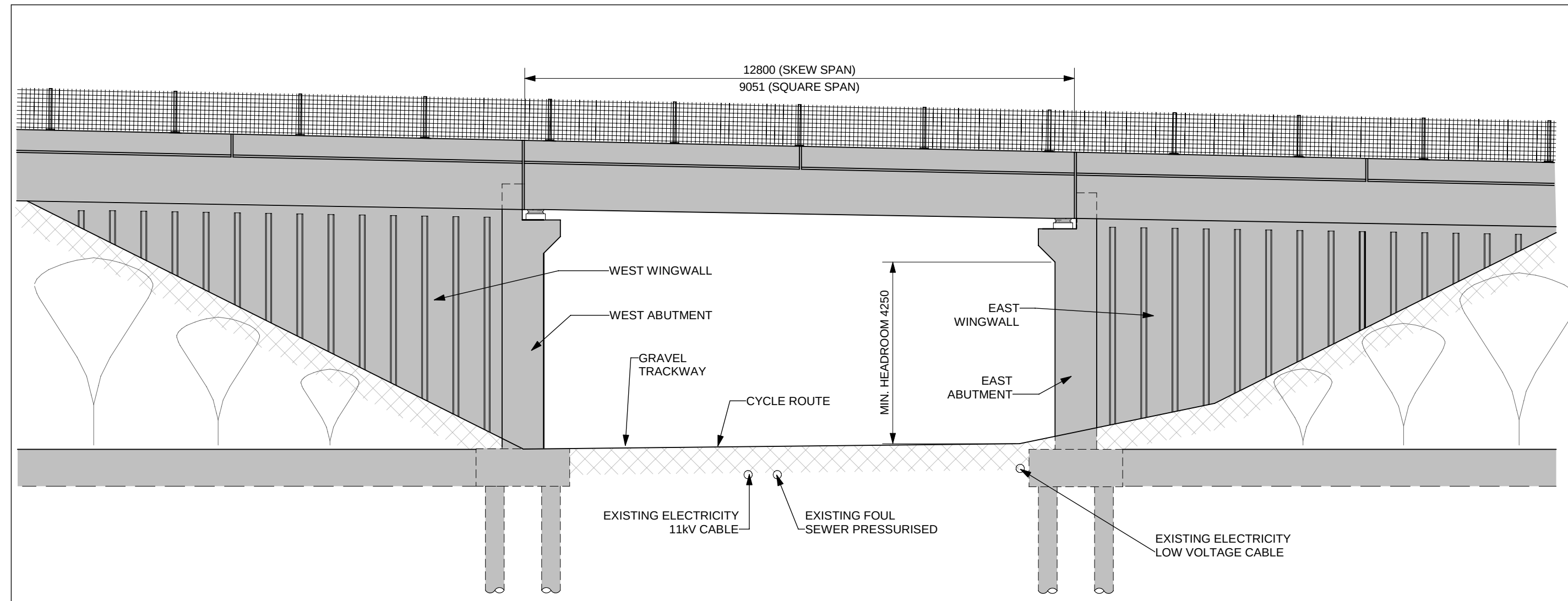


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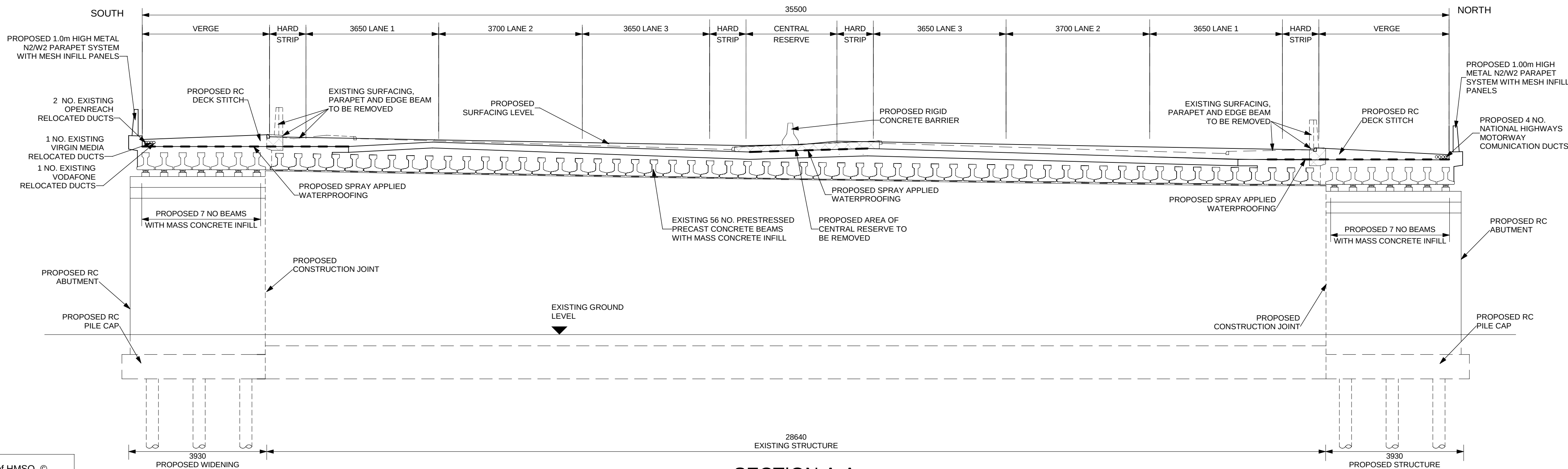
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PLAN
(Scale 1 : 200)



SOUTH ELEVATION
(SCALE 1 : 100)

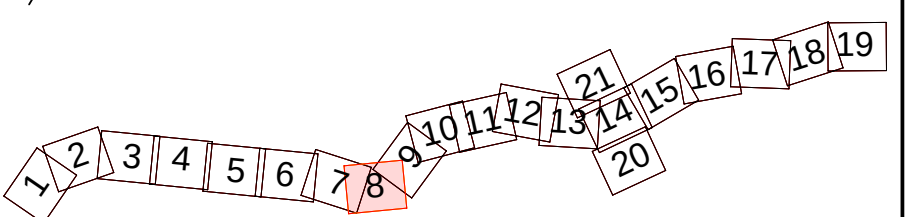


SECTION A-A
(SCALE 1 : 100)

NOTES:

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KEY PLAN
SCALE N.T.S.



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.12

Client



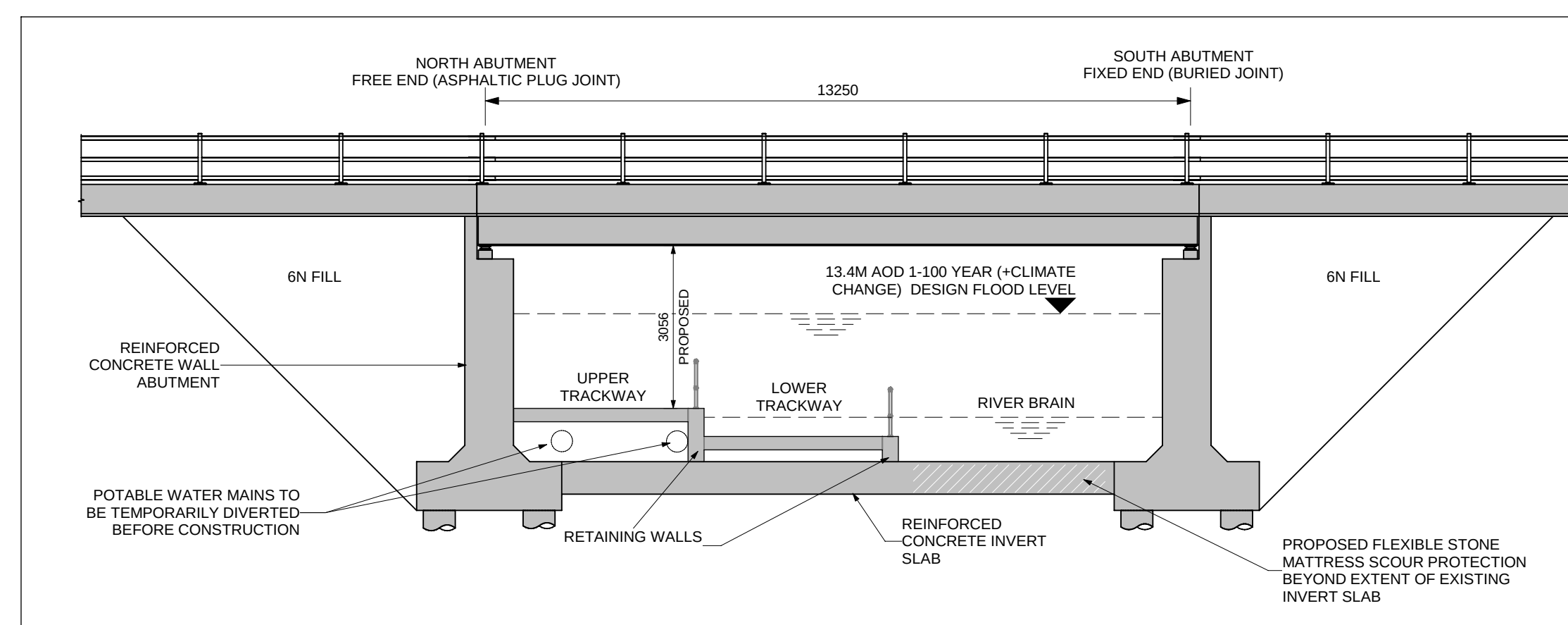
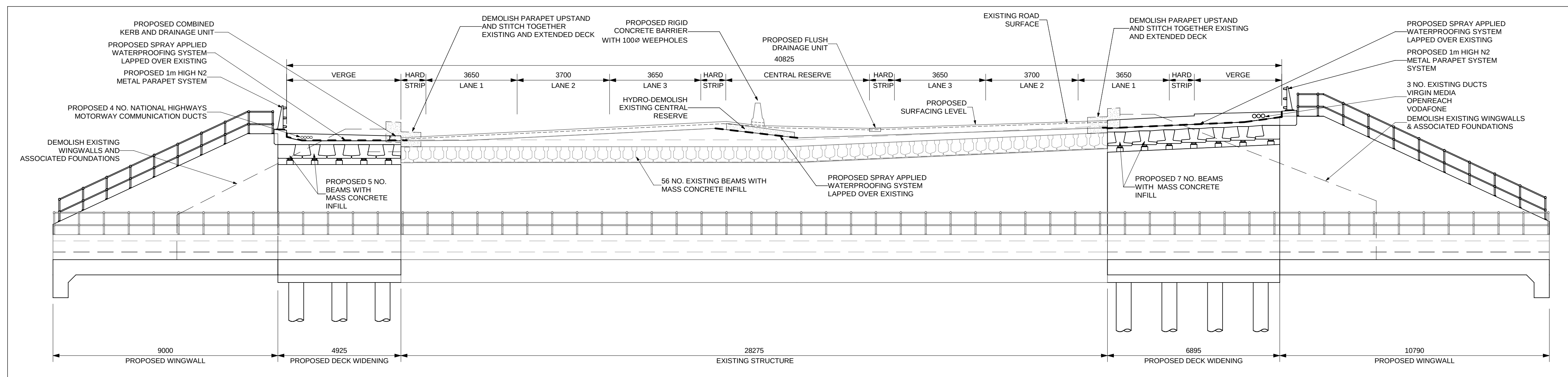
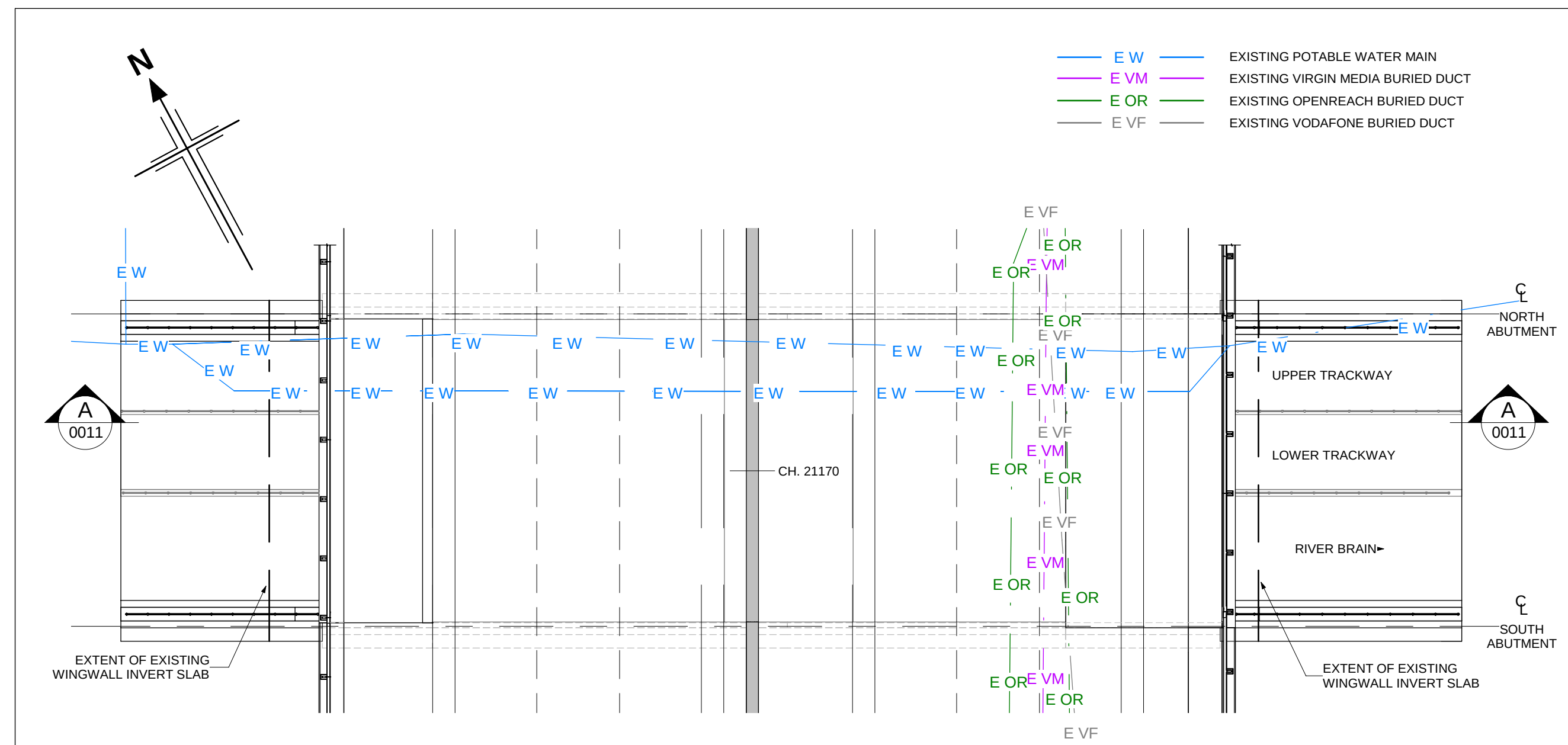
Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
BENTON UNDERBRIDGE - WORK No. 24(d) - CH. 20640
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 10 OF 30

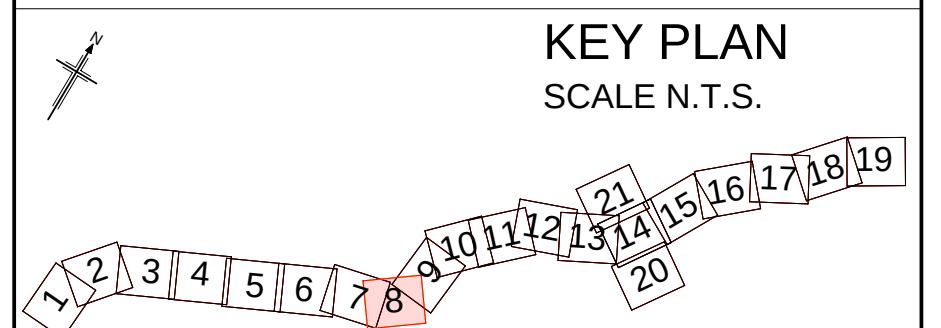
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF3				S4
Scale at A1 (841x594mm)	AS SHOWN				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				

Drawing number	Originator	Volume
HE551497	JAC	LDC
SCHW		DR S 0010



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.12

Client	
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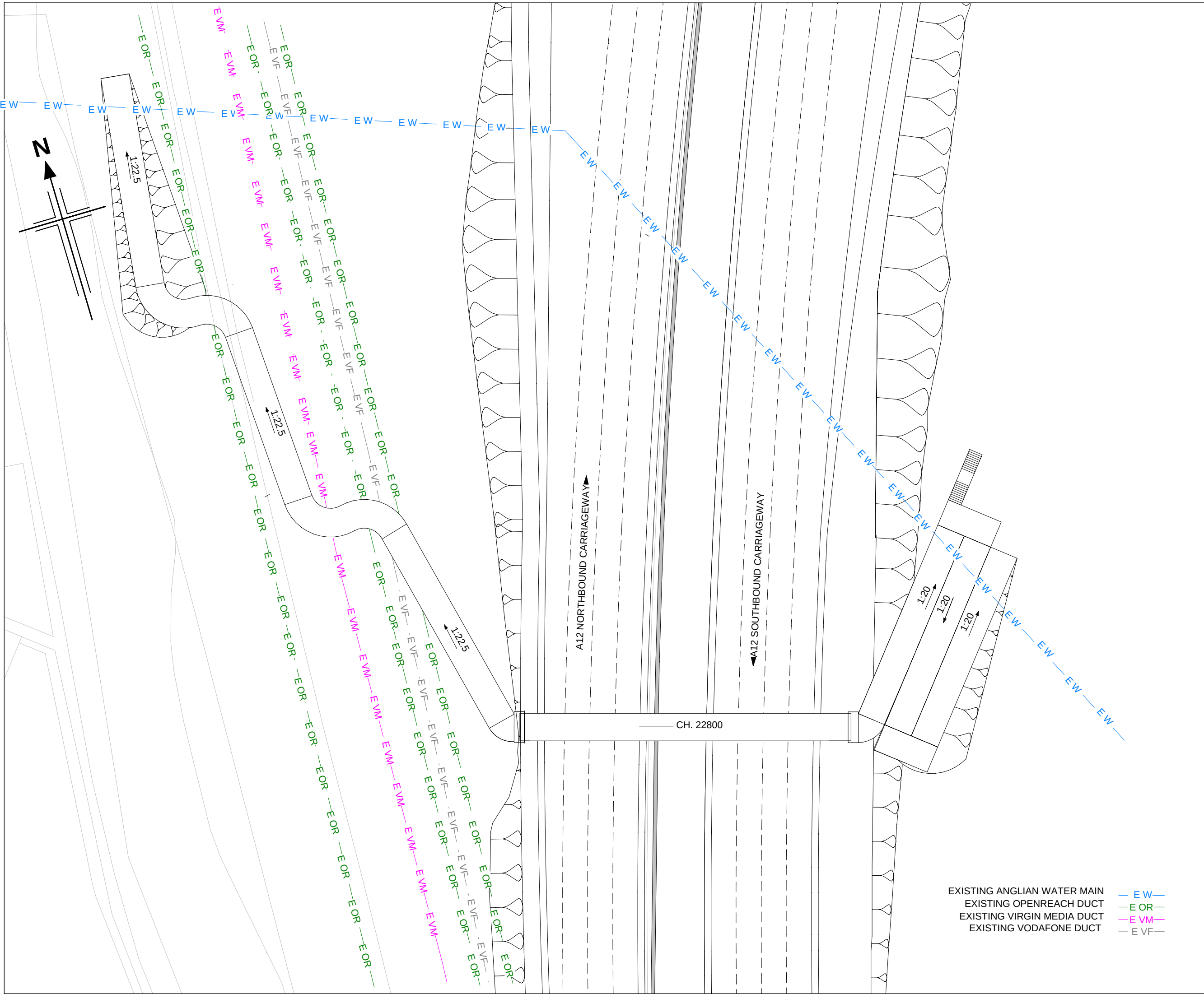
Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

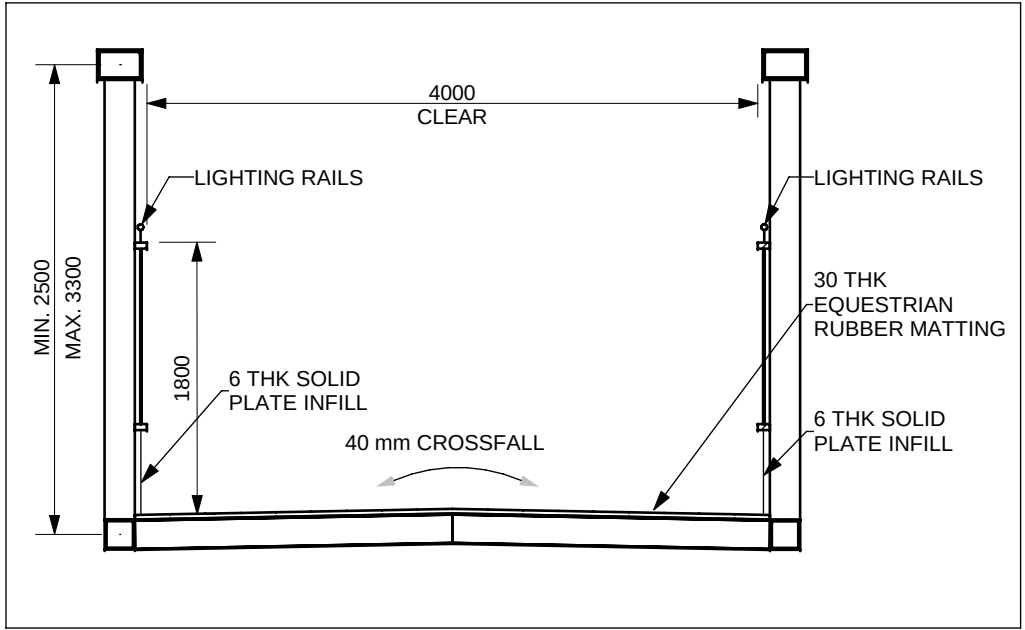
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND
SECTIONS
BRAIN UNDERBRIDGE - WORK No. 24(e) - CH. 21170
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 11 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)	
Purpose of issue	DCO APPLICATION	
State Code	Preliminary	
Project Stage	PCF3	Drawing status S4
Scale at A1 (841x594mm)	AS SHOWN	
Jacobs No.	B36601D1	Rev P01
Client no.	HE551497	

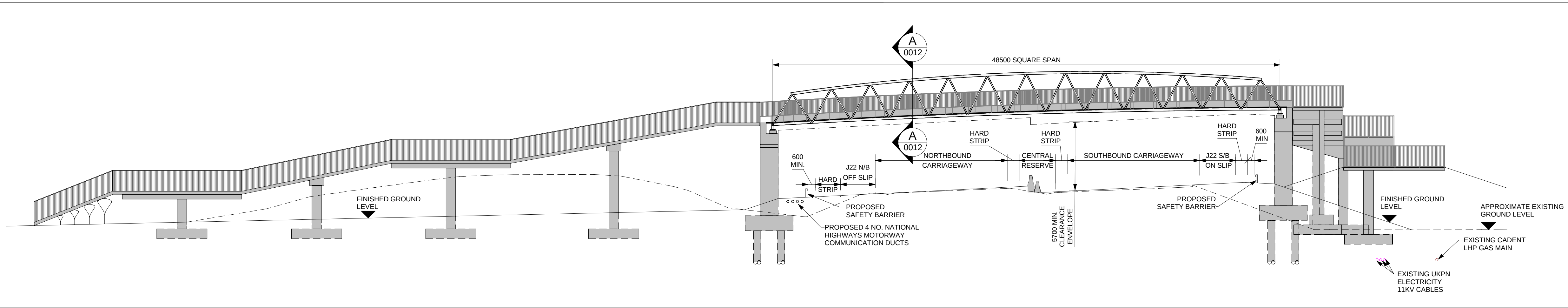
Drawing number
 PIN Originator Volume
 HE551497 JAC LDC
 Location Type Role Number
 SCHW DR S 0011



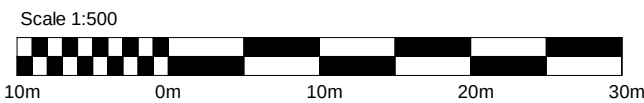
PLAN
(SCALE 1 : 500)



SECTION A-A
(SCALE 1 : 50)

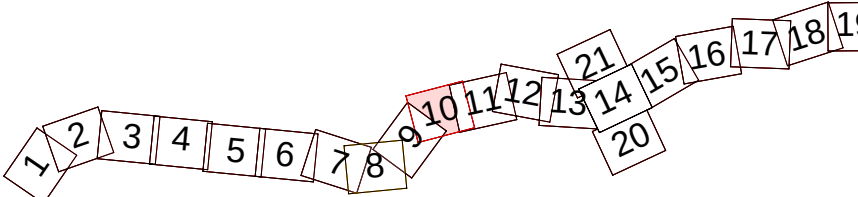


SOUTH-WEST ELEVATION
(SCALE 1 : 200)



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
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KEY PLAN
SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.12



A12 CHELMSFORD TO A120 WIDENING SCHEME

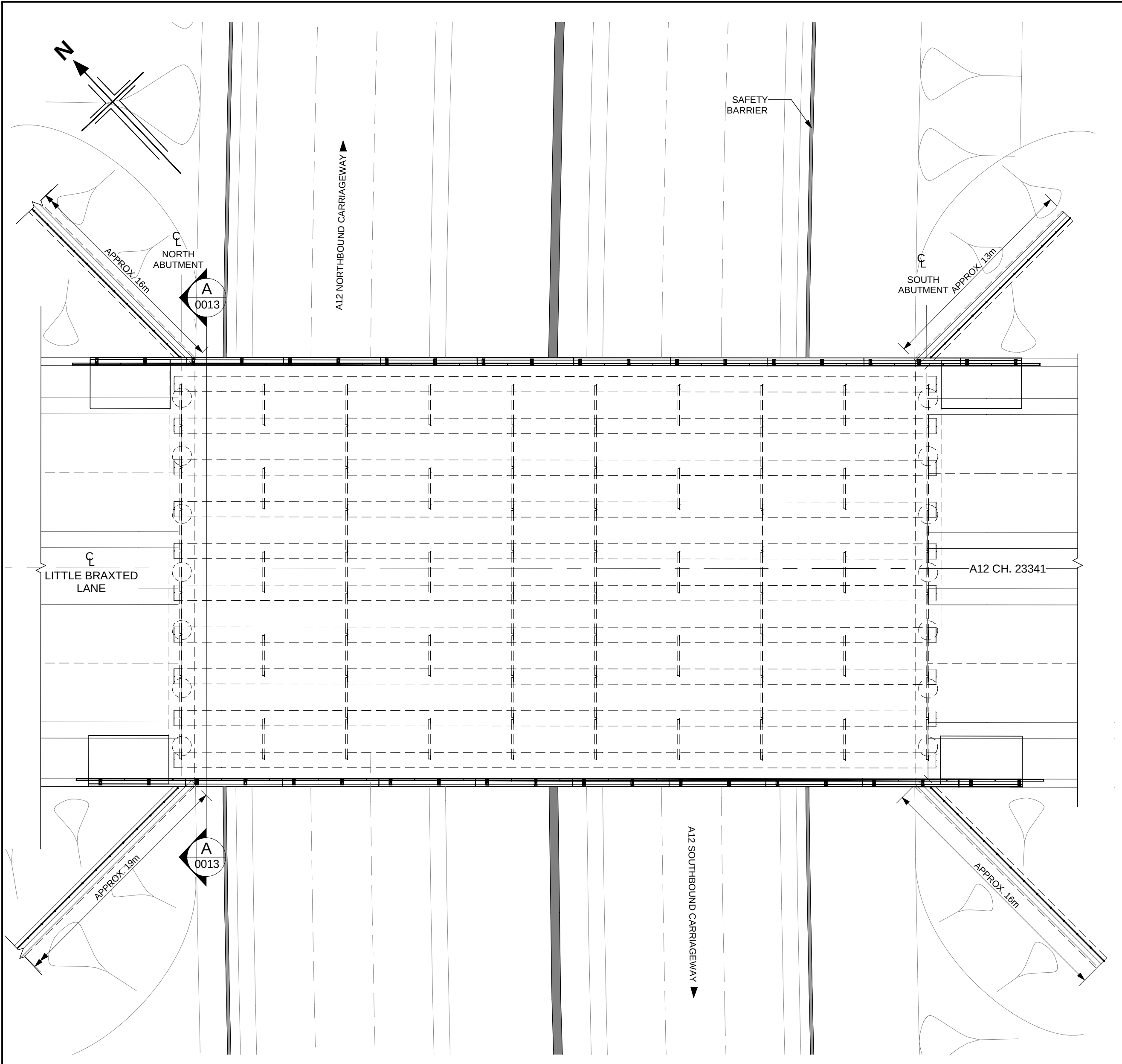
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
LITTLE BRAXTED BRIDGE - WORK No. 30 - CH. 22800
(PROPOSED STRUCTURE)
SHEET 12 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497

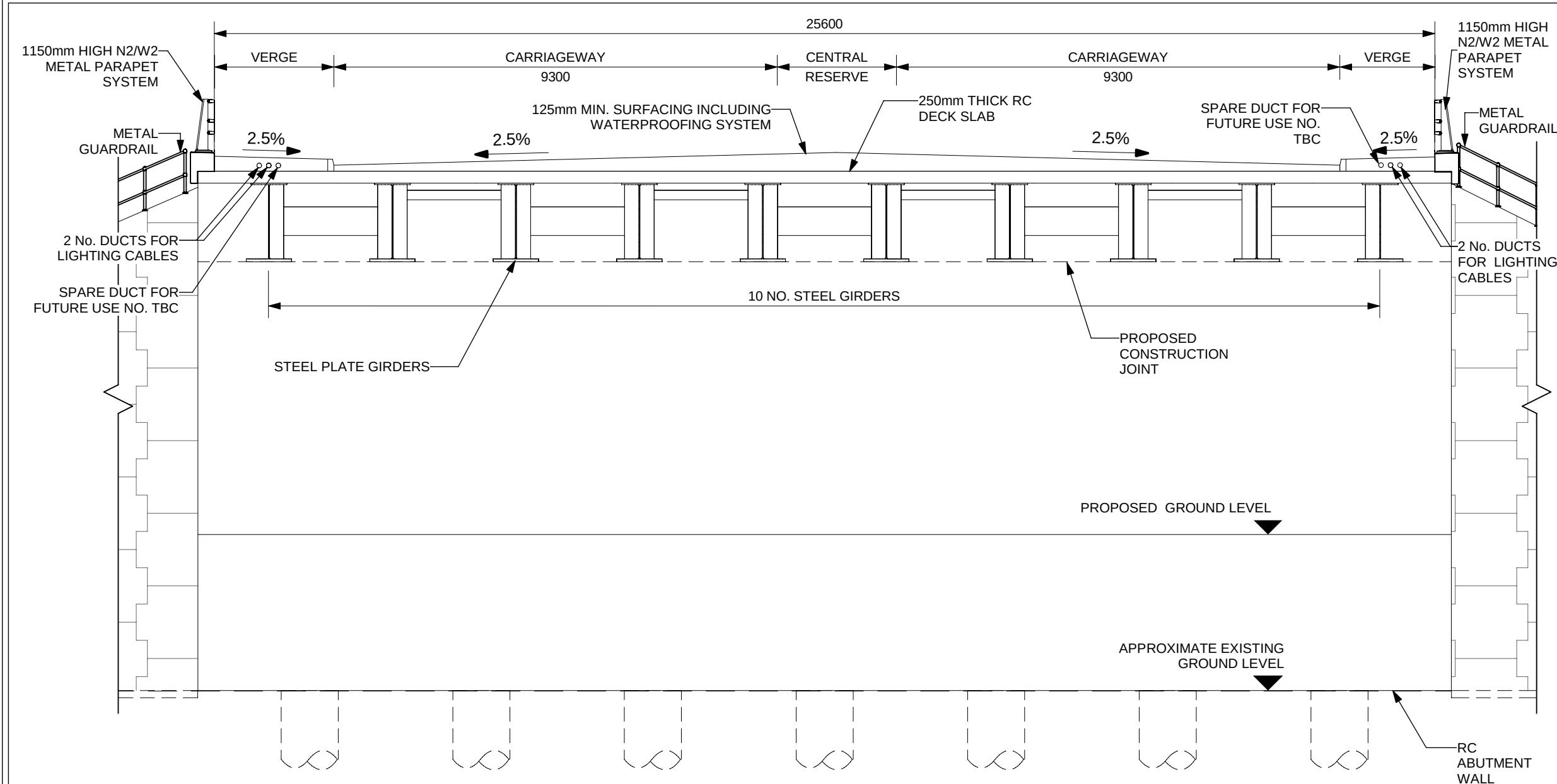
Drawing number	Originator	Volume
HE551497	JAC	LDC
SCHW	DR	S

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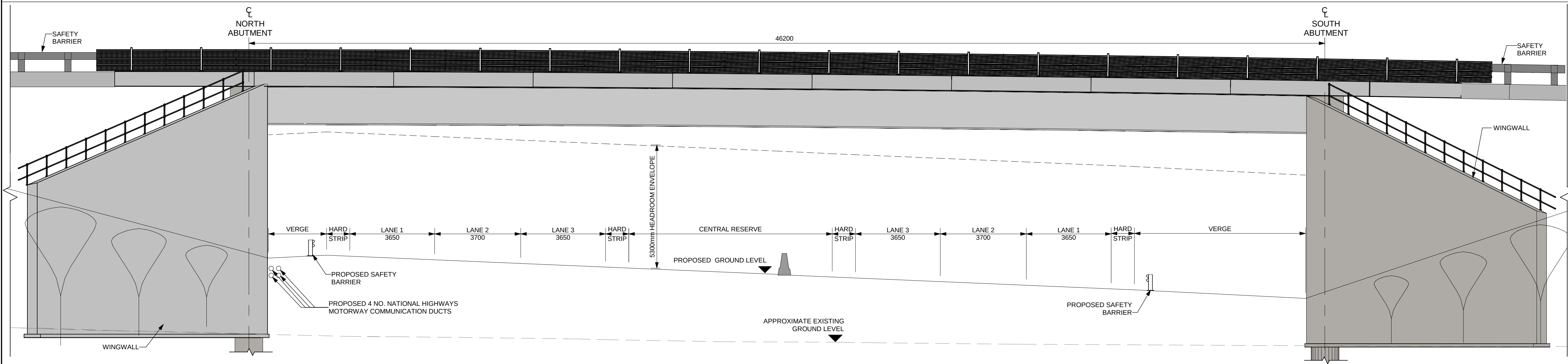
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PLAN
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 100)



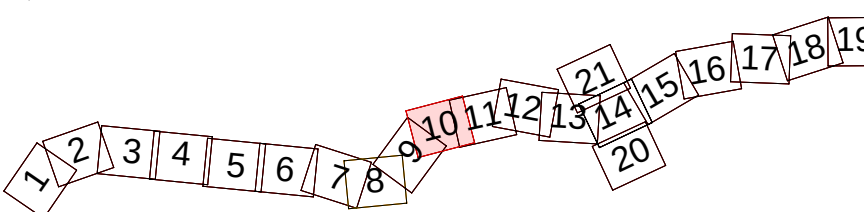
WEST ELEVATION
(SCALE 1 : 100)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).



KEY PLAN
SCALE N.T.S.



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.12

Client



Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

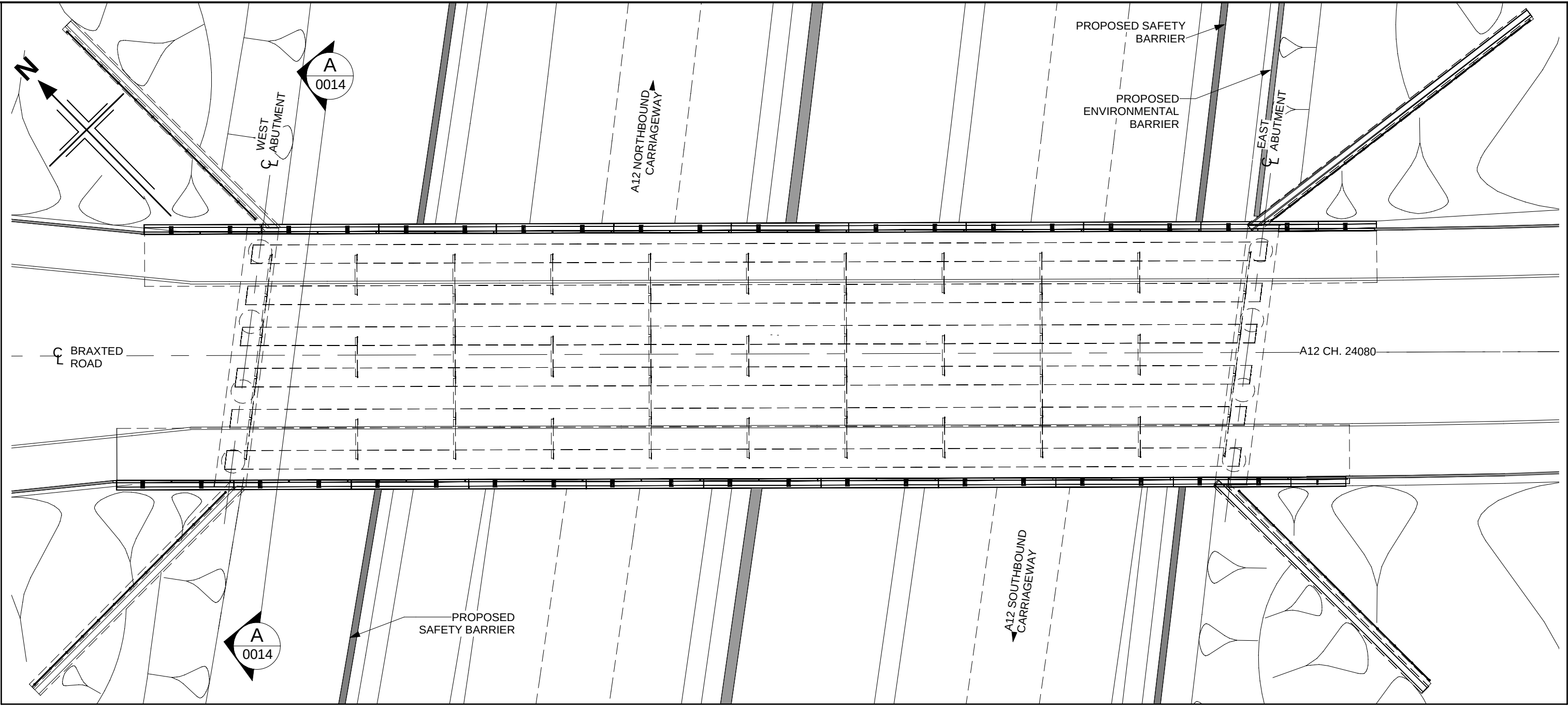
Drawing title

STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
LITTLE BRAXTED LANE OVERBRIDGE - WORK No. 32(a) - CH. 23341
(PROPOSED STRUCTURE)
SHEET 13 OF 30

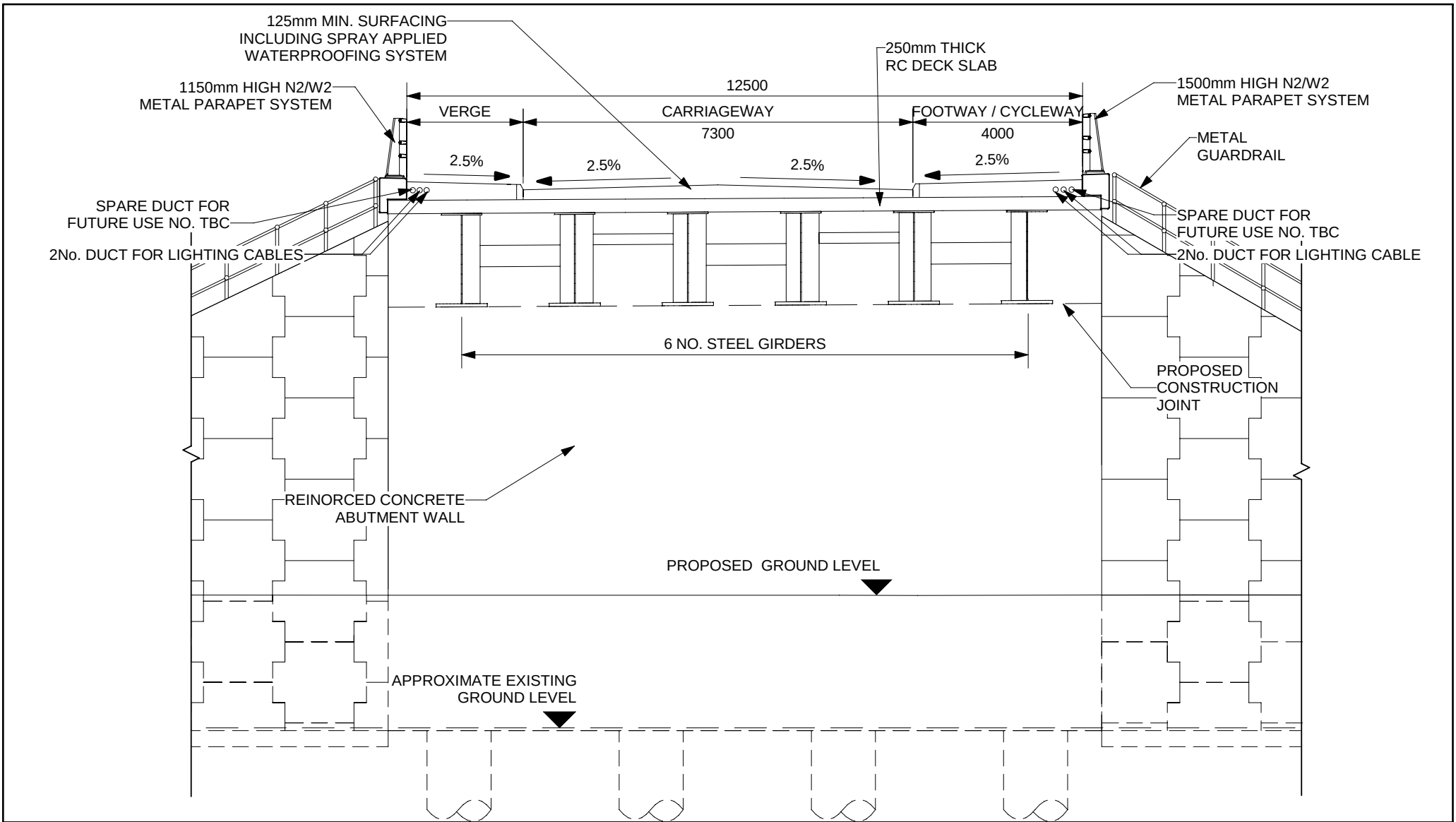
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF3				S4
Scale at A1 (841x594mm)	AS SHOWN				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				

Drawing number	Originator	Volume
PIN	JAC	LDC
Location	SCHW	DR
Type	Role	Number
		0013

c:\pwworking\jacobs_uk_highways_ss4\egintl_pujaradk\d0155574\HE551497-JAC-SBR-S2B-M3-S-0005.rvt 6/13/2022 1:05:49 PM



PLAN
(SCALE 1 : 200)



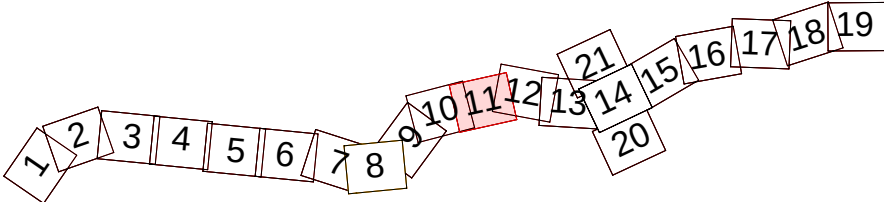
SECTION A-A
(SCALE 1 : 100)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
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KEY PLAN
SCALE N.T.S.



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
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Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
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Development Consent Order Number:	Development Consent Order Drawing Number:
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TR010060

TR010060/APP/2.12

Client



Project

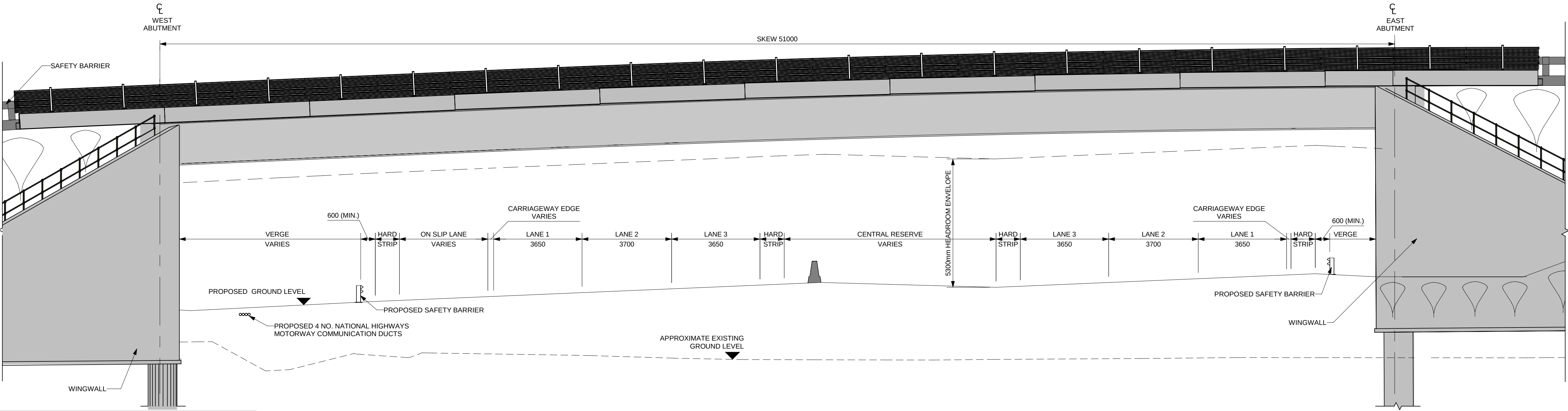
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title

STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
BRAXTED ROAD OVERBRIDGE - WORK NO. 37(d) - CH. 24080
(PROPOSED STRUCTURE)
SHEET 14 OF 30

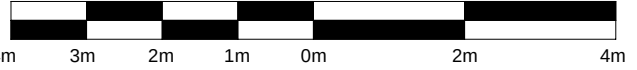
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF3				S4
Scale at A1 (841x594mm)	AS SHOWN				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				

Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
	SCHW	DR	S 0014



SOUTH ELEVATION
(SCALE 1 : 100)

Scale 1:100

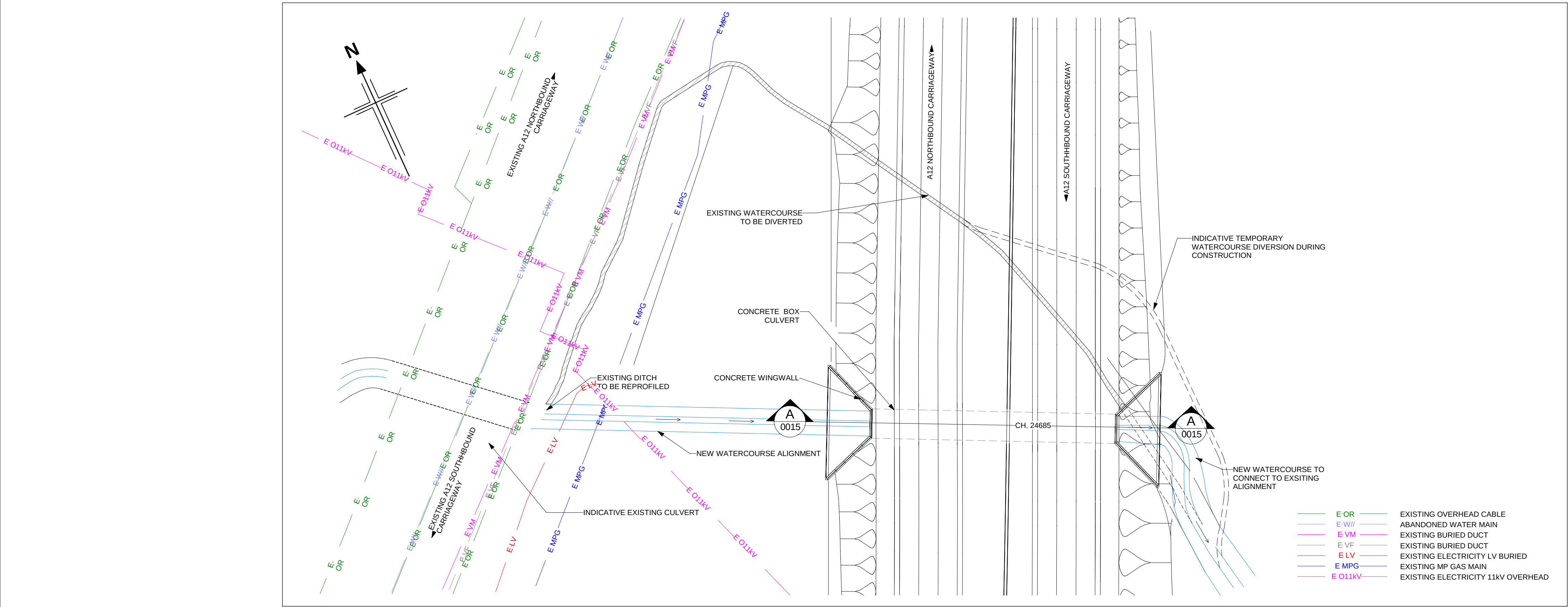


Scale 1:200

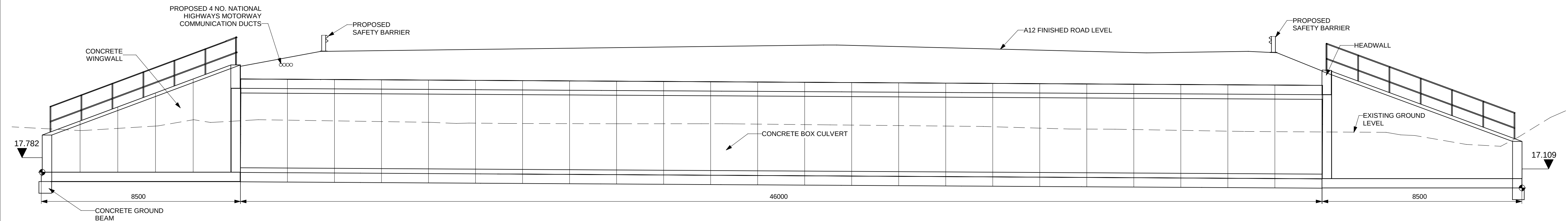


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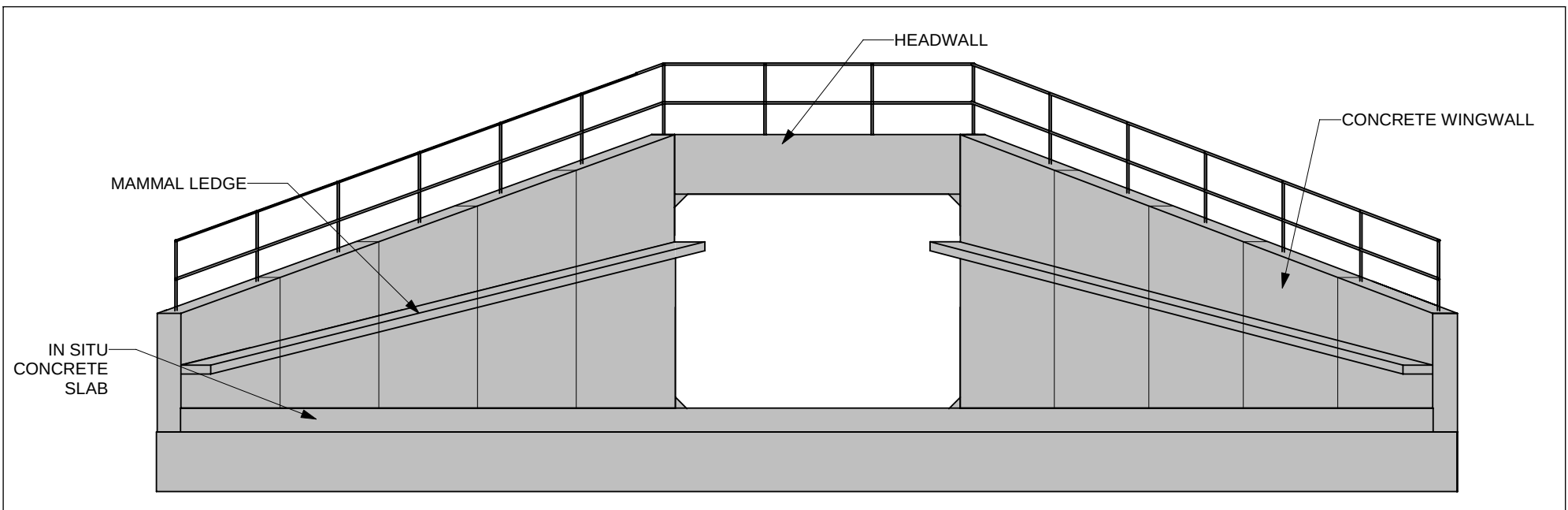
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PLAN
(SCALE 1 : 500)



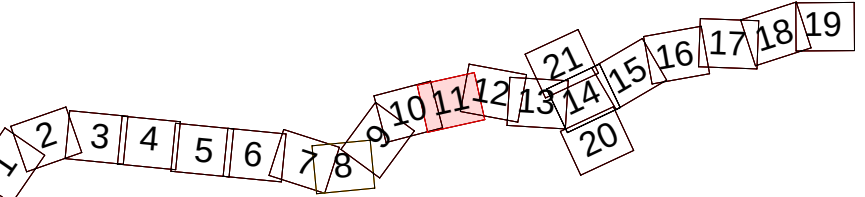
SECTION A-A
(SCALE 1 : 100)



EAST ELEVATION
(SCALE 1 : 100)

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
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KEY PLAN
SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

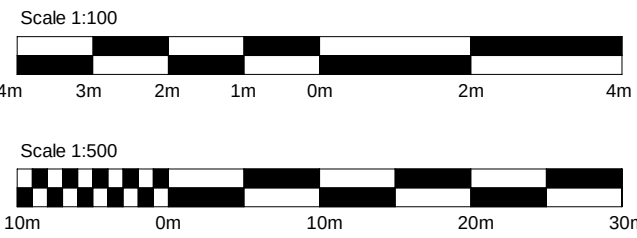
Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12



Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

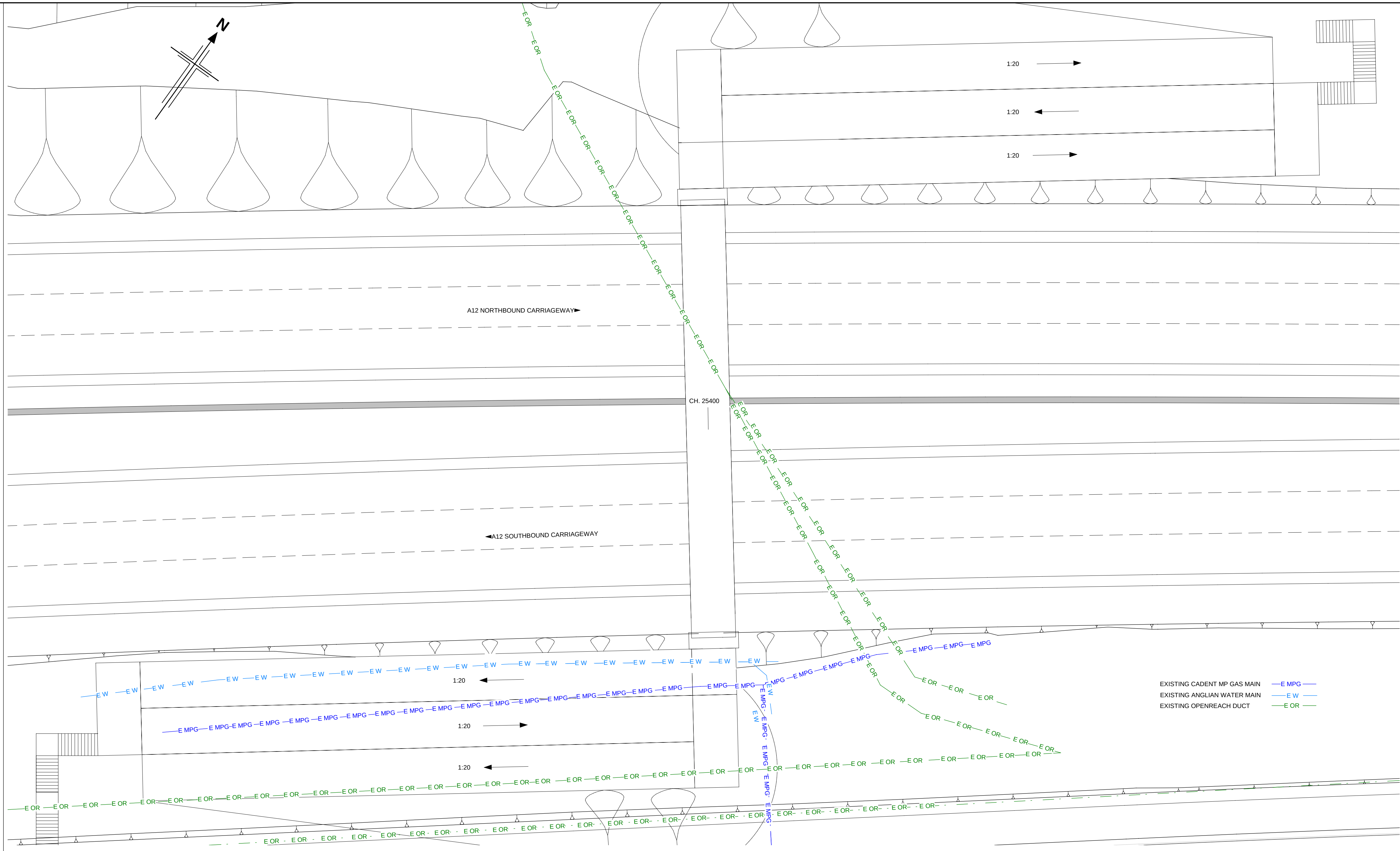
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
RIVENHALL BROOK CULVERT - WORK No. 42 - CH. 24685
(PROPOSED STRUCTURE)
SHEET 15 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	HE551497
PIN	JAC
Originator	LDC
Volume	S4
Location	SCHW
Type	DR
Role	S
Number	0015

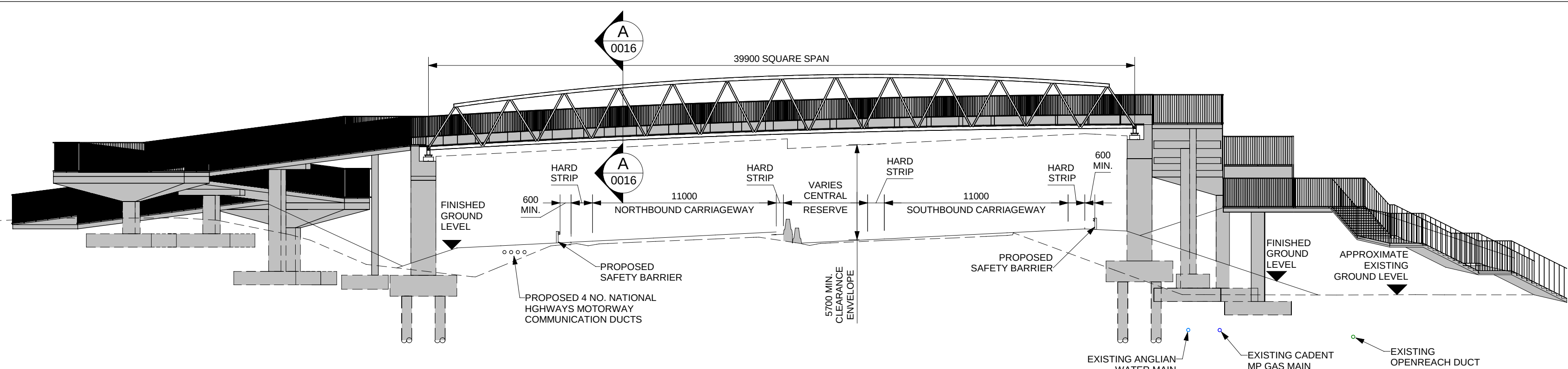


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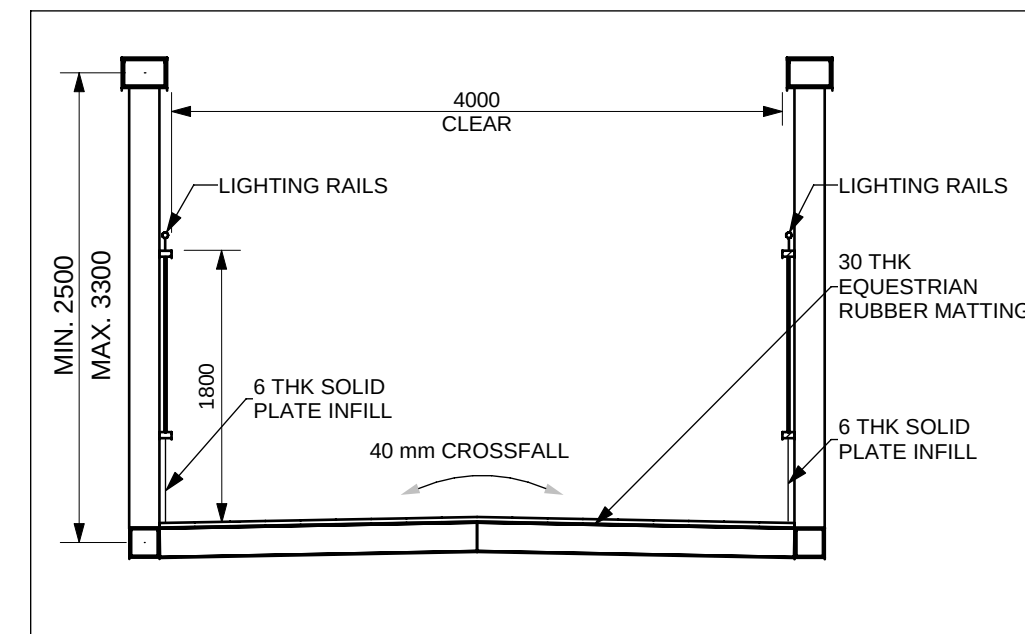
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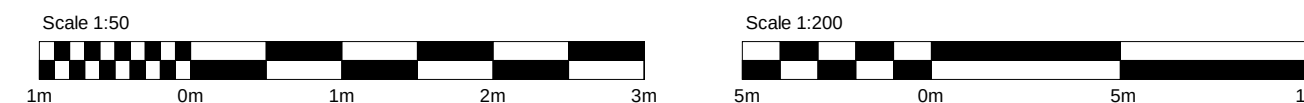
PLAN
(SCALE 1 : 200)



WEST ELEVATION
(SCALE 1 : 200)

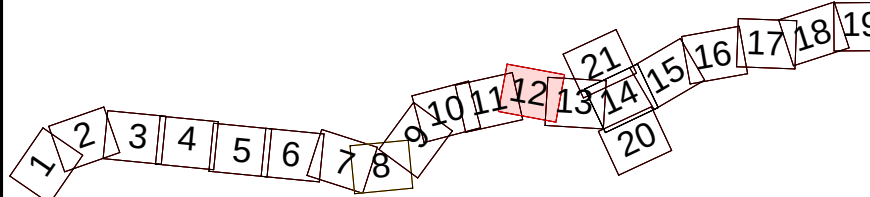


SECTION A-A
(SCALE 1 : 50)



- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
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KEY PLAN
SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12

Client
national highways

Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
**STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
SNIVELLERS LANE BRIDGE - WORK No. 53 -
CH. 25400
(PROPOSED STRUCTURE)
SHEET 16 OF 30**

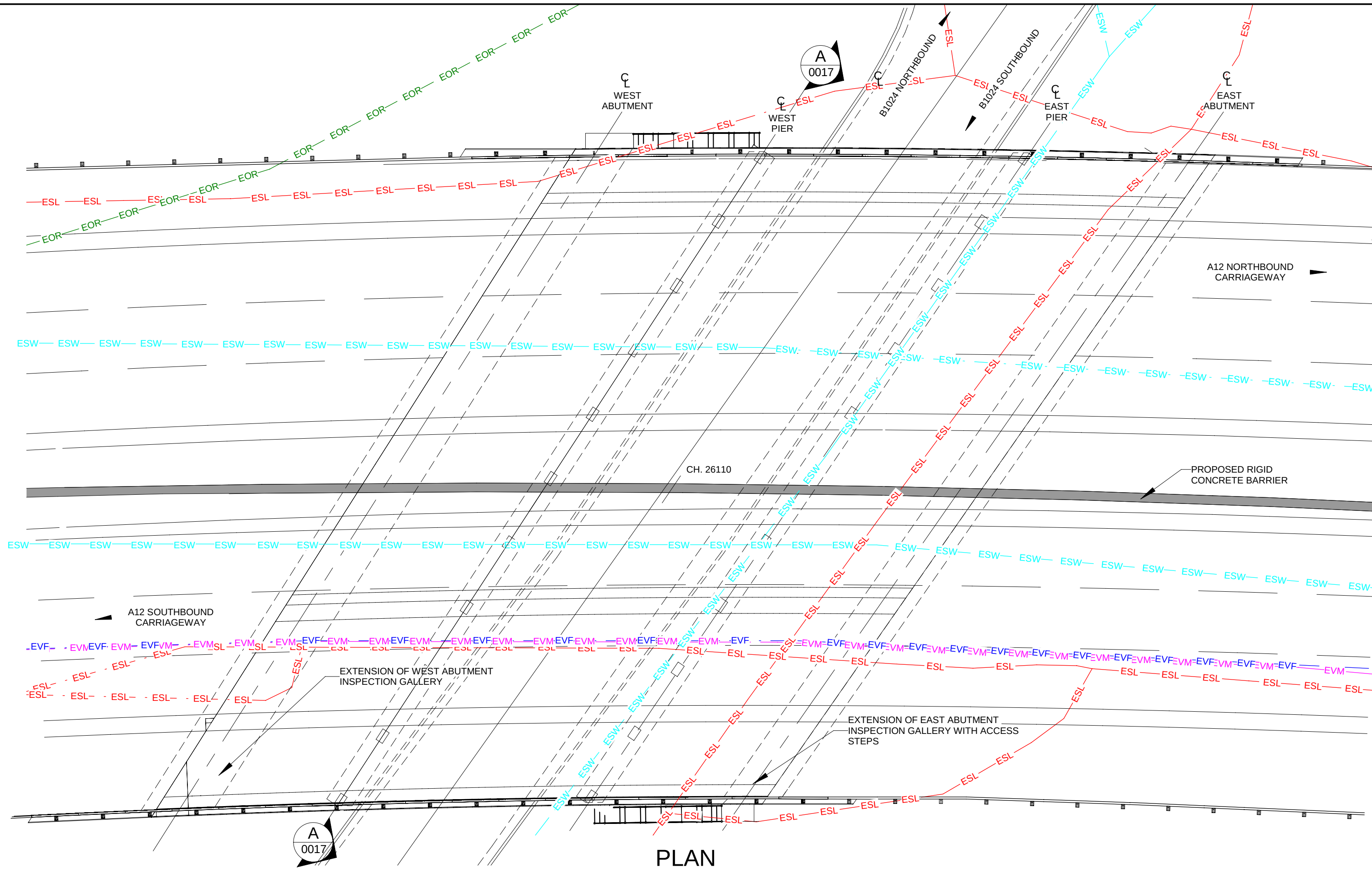
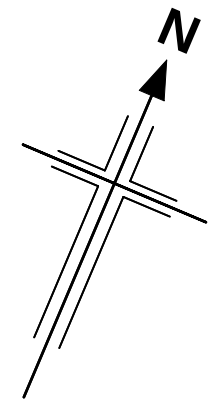
Regulation	REGULATION 5(2)(a), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary		Drawing status		
Project Stage	PCF3		S4		
Scale at A1 (841x594mm)	AS SHOWN		Rev		
Jacobs No.	B36601D1		P01		
Client no.	HE551497				

Drawing number
PIN
HE551497
Location
SCHW

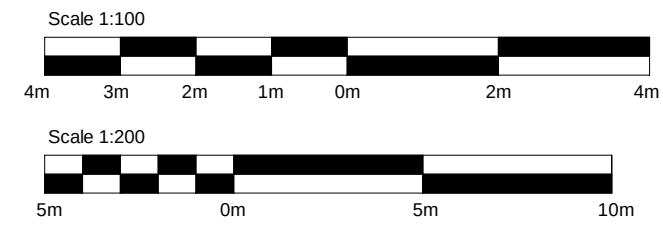
Originator
JAC

Volume
LDC
Type | Role | Number
DR S 0016

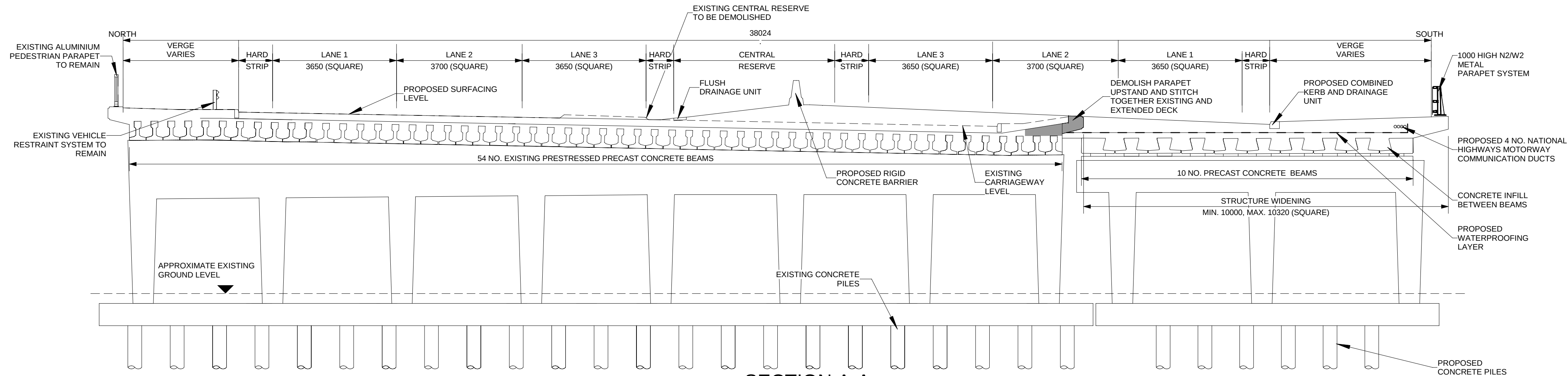
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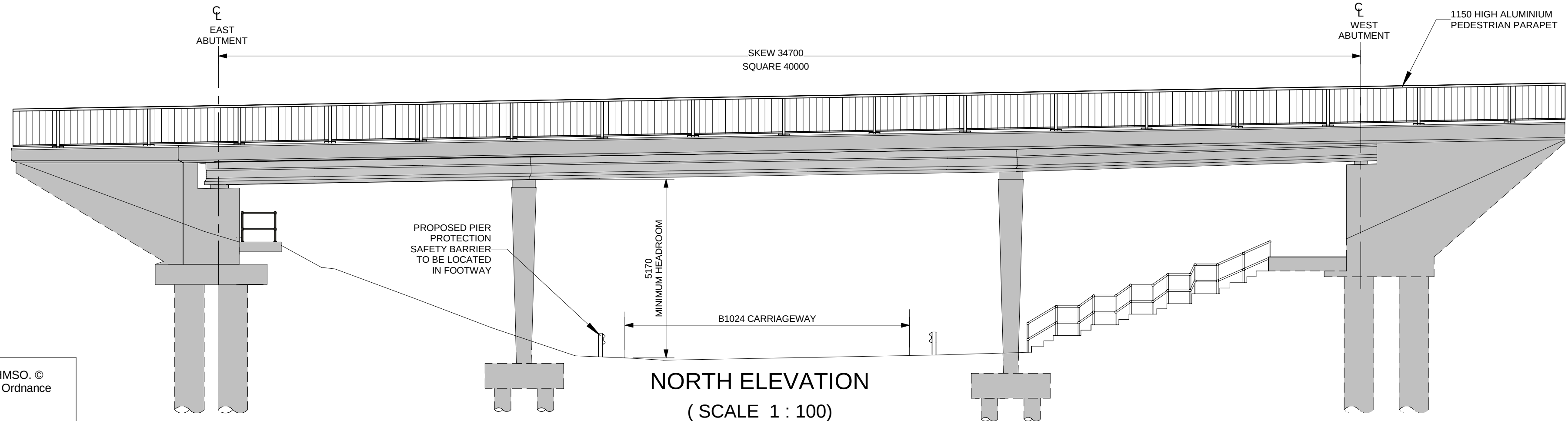
PLAN
(SCALE 1 : 200)



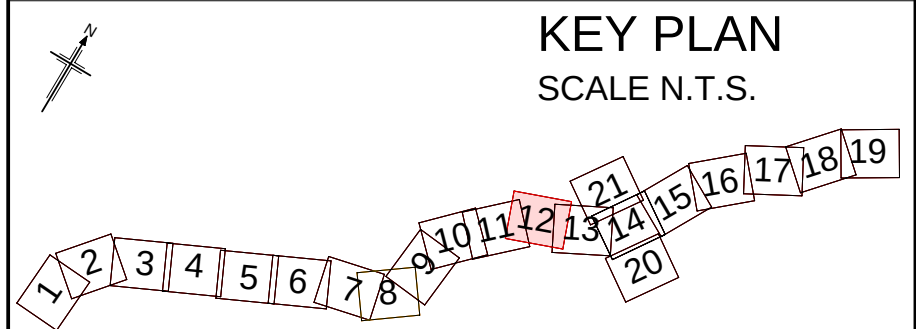
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
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SECTION A-A
(SCALE 1 : 100)



NORTH ELEVATION
(SCALE 1 : 100)



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

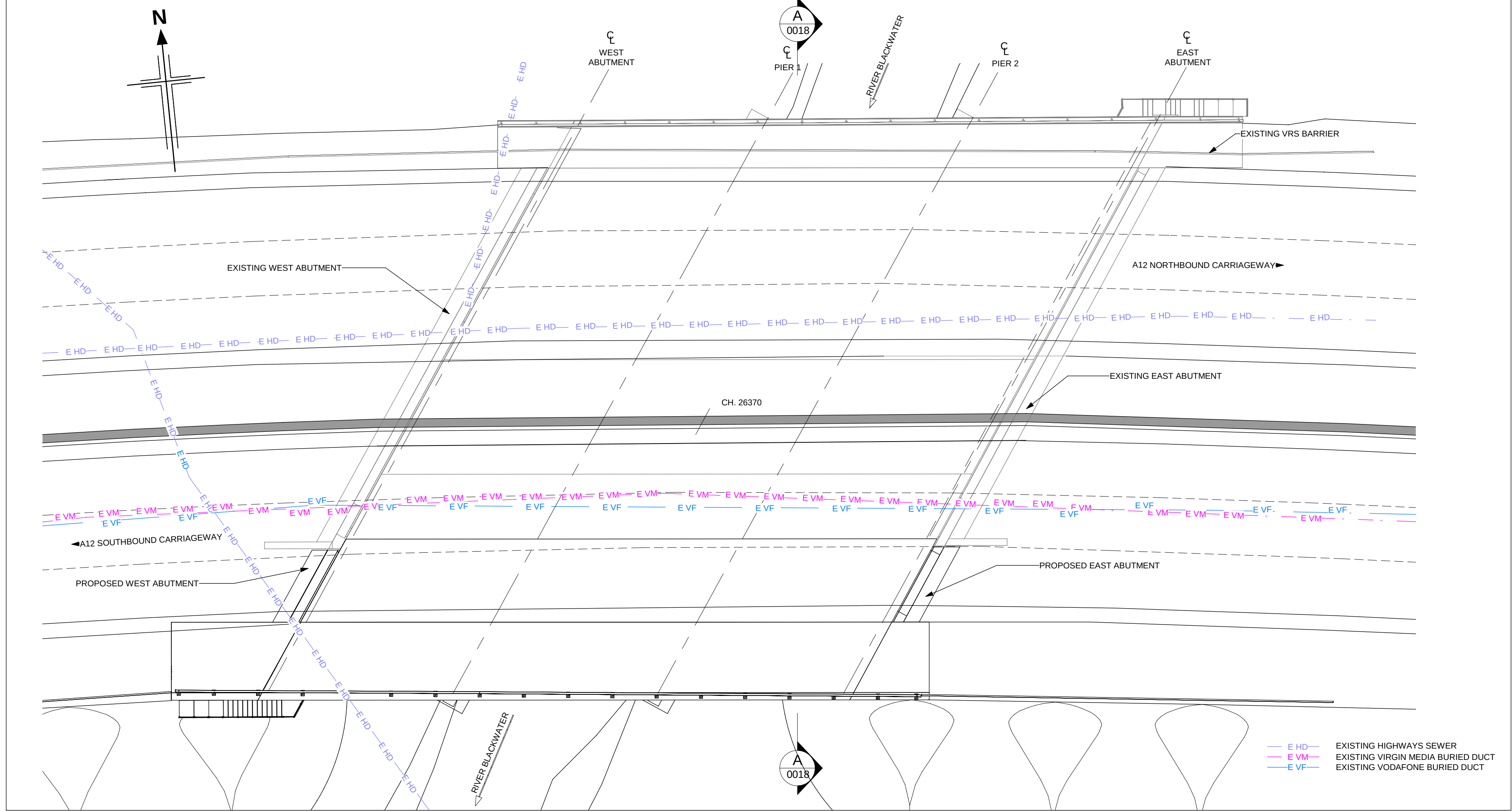
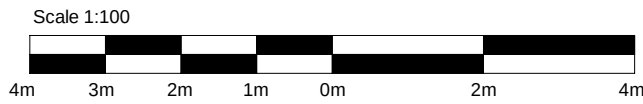
Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12



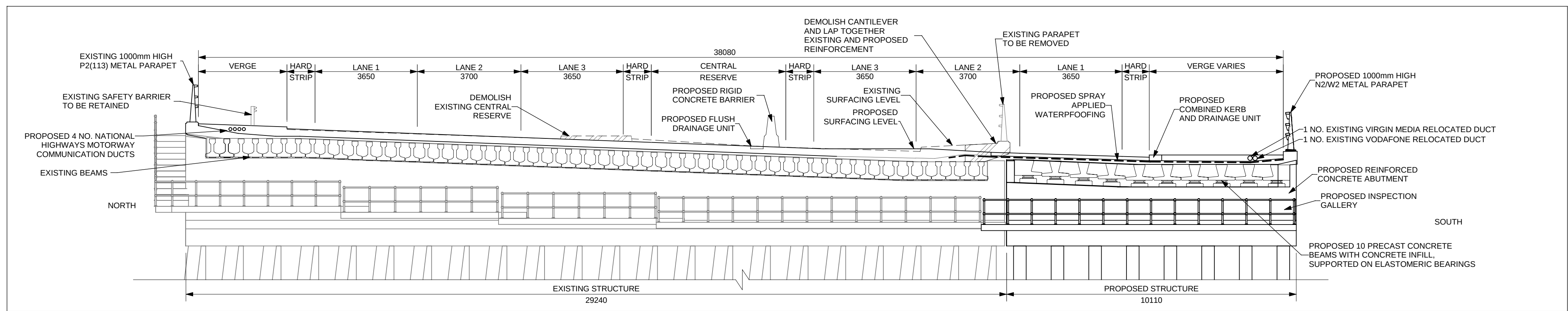
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
CRANES UNDERBRIDGE - WORK No. 45(a) - CH. 26110
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 17 OF 30

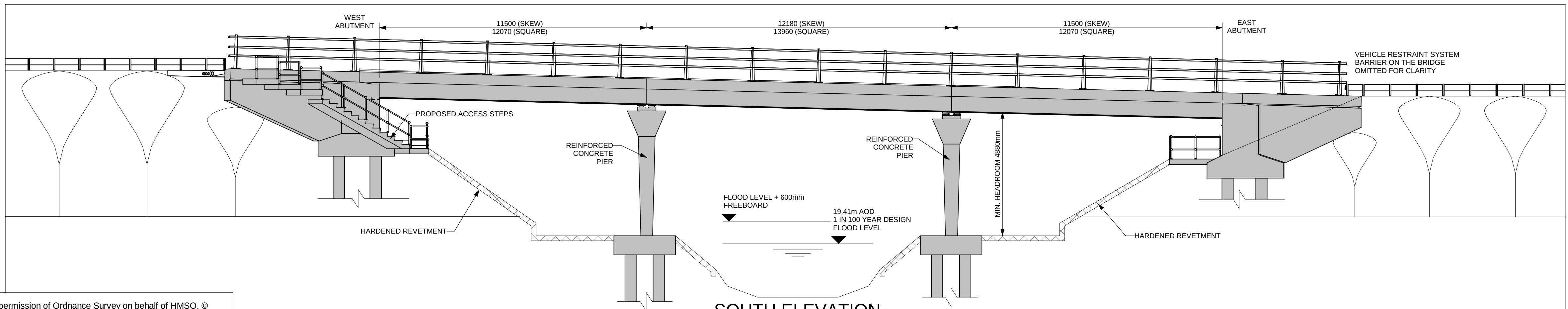
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	PIN
Originator	JAC
Volume	LDC
Location	SCHW
Type	DR
Role	S
Number	0017



PLAN
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 100)

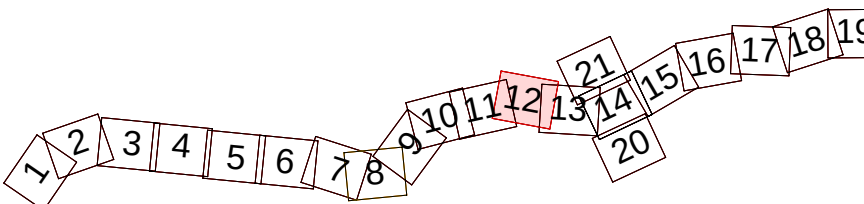


SOUTH ELEVATION
(SCALE 1 : 100)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
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KEY PLAN
SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number: TR010060

Development Consent Order Drawing Number: TR010060/APP/2.12



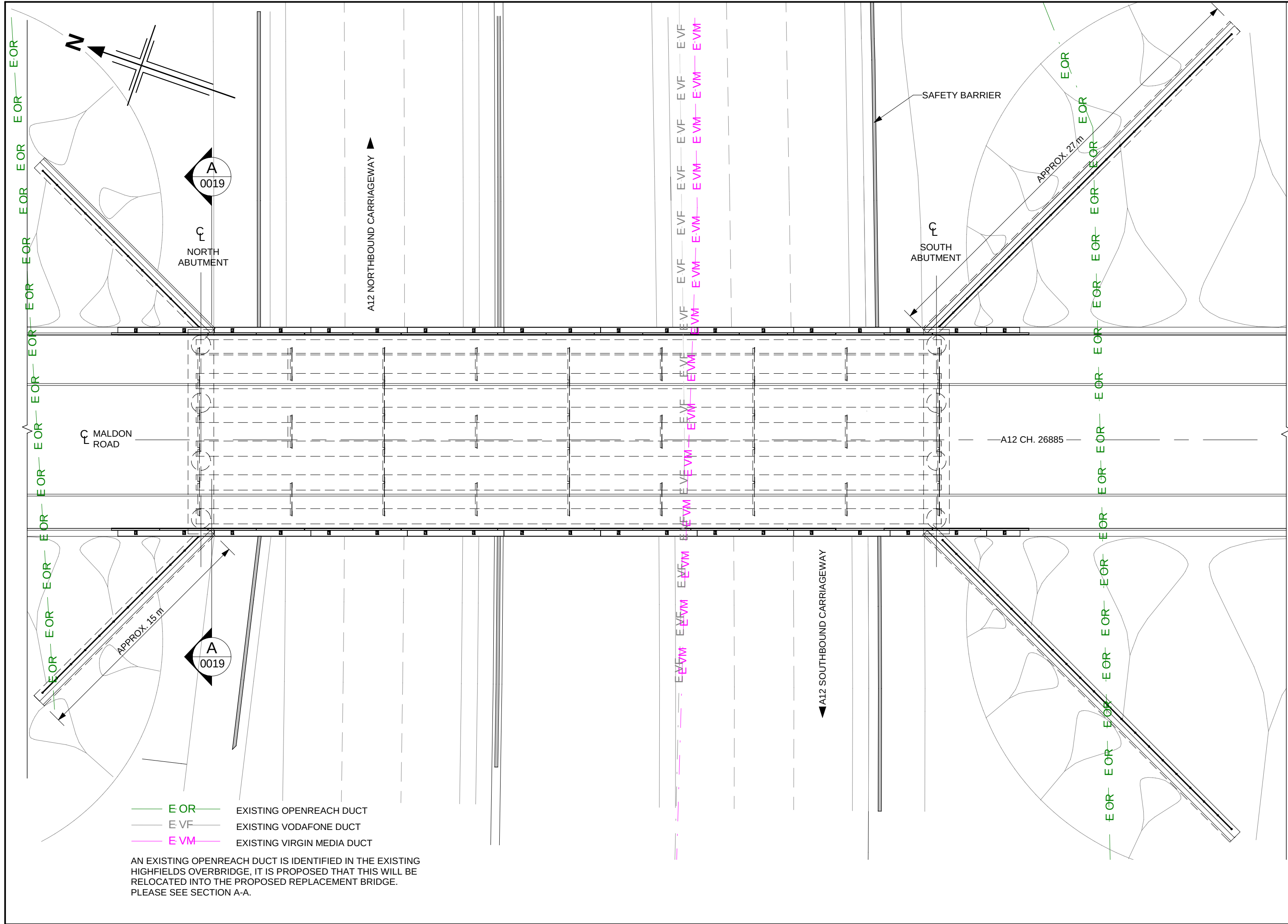
Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
ASHMANS UNDERBRIDGE - WORK No. 45(a) - CH. 26370
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 18 OF 30

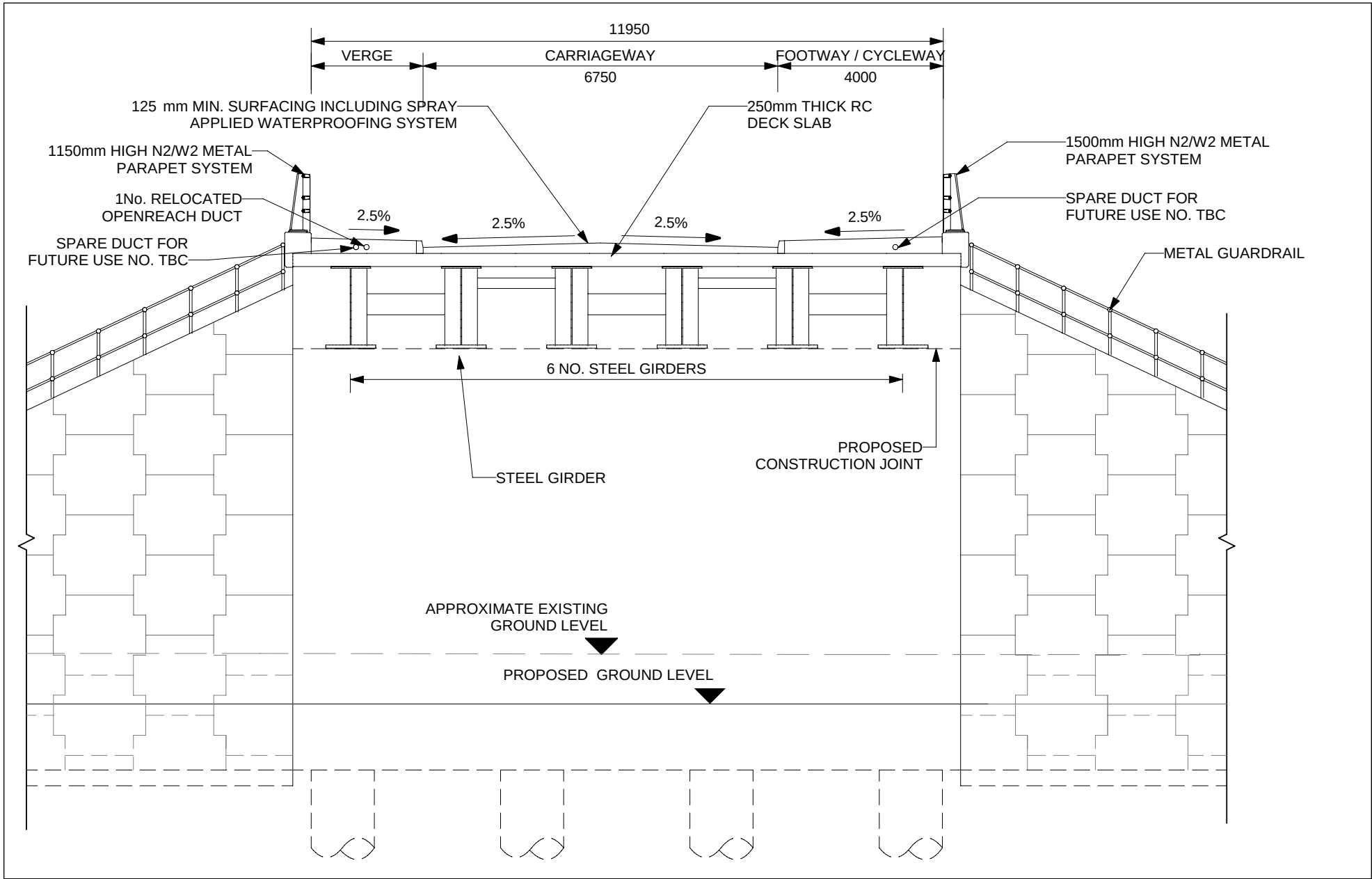
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	HE551497
PIN	JAC
Originator	LDC
Volume	S4
Location	SCHW
Type	DR
Role	S
Number	0018

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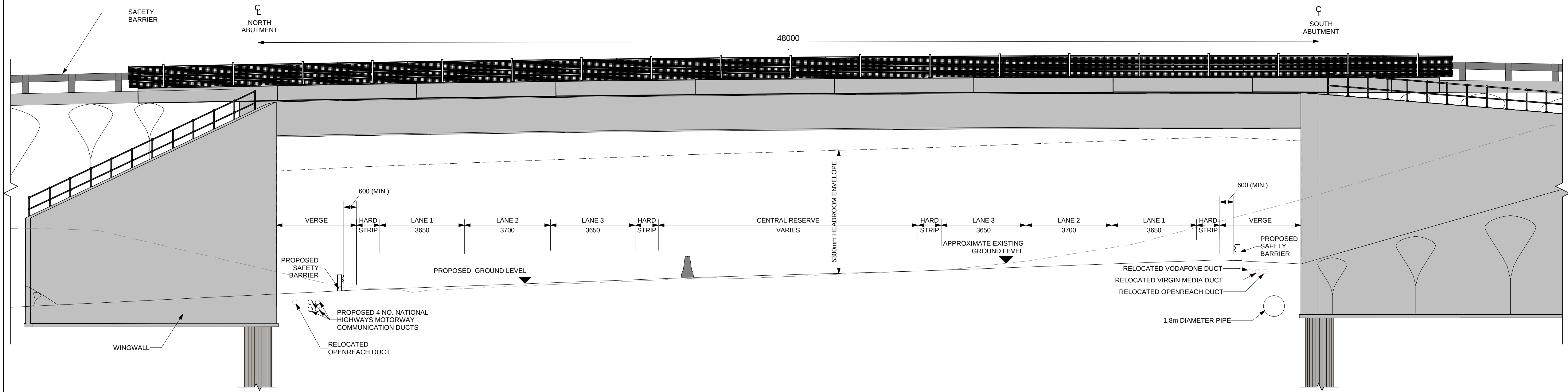
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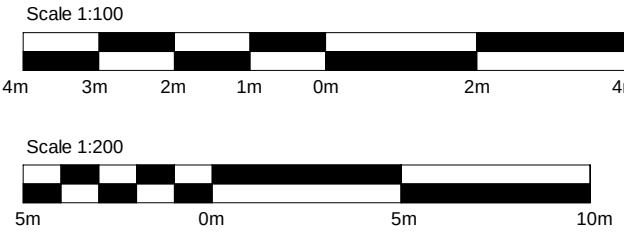
PLAN
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 100)



WEST ELEVATION
(SCALE 1 : 100)

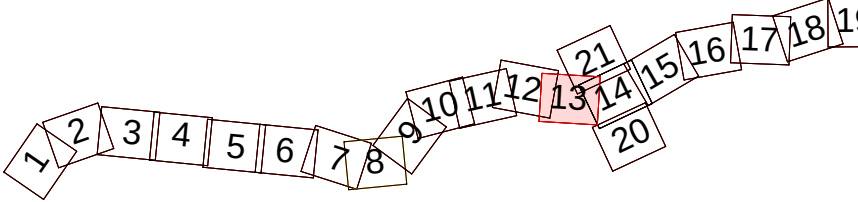


NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).



KEY PLAN
SCALE N.T.S.



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.12

Client



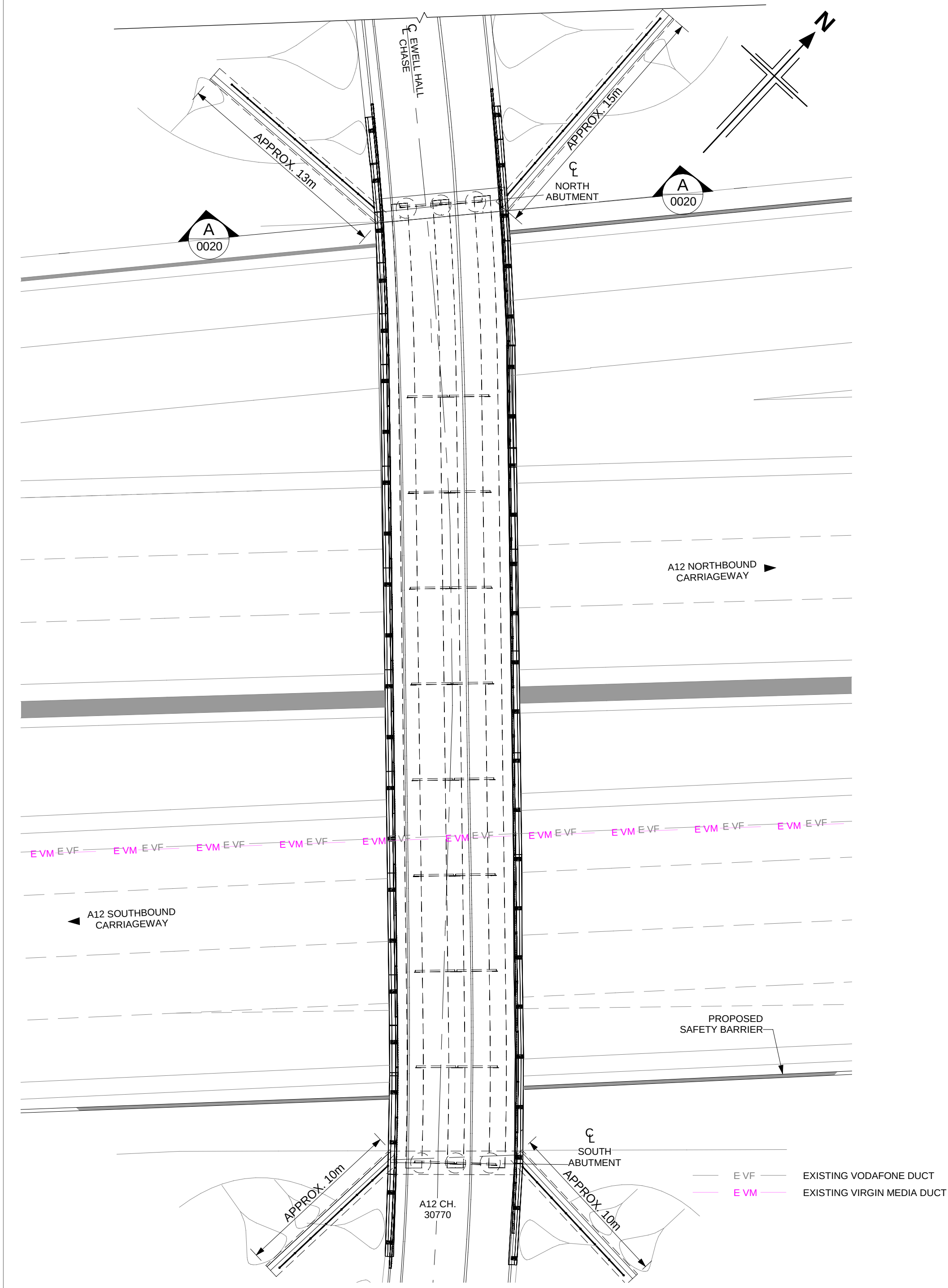
Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

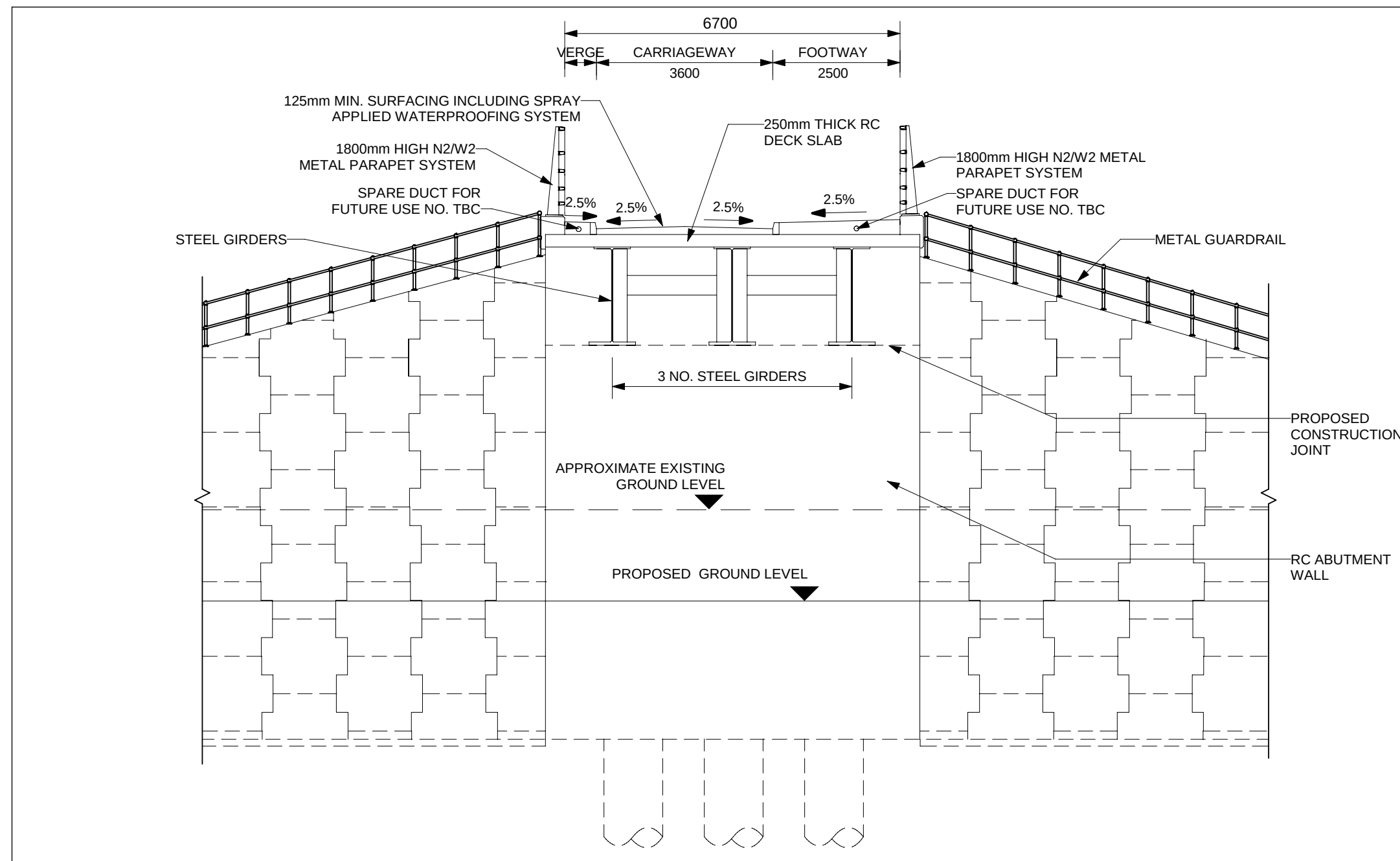
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
HIGHFIELDS OVERBRIDGE REPLACEMENT -
WORK No. 55(b) - CH. 26885
(PROPOSED STRUCTURE)
SHEET 19 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	PIN
Originator	JAC
Volume	LDC
Location	SCHW
Type	DR
Role	S
Number	0019

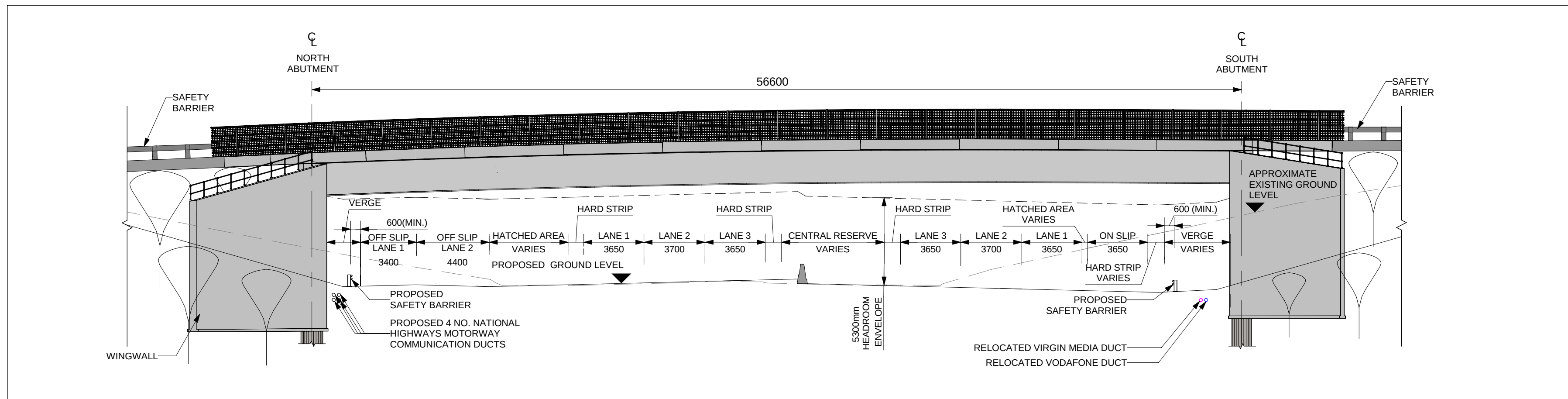
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PLAN
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 100)



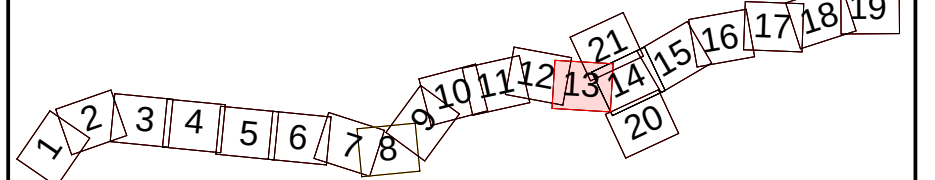
WEST ELEVATION
(SCALE 1 : 200)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).



KEY PLAN
SCALE N.T.S.



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
Development Consent Order Number:			Development Consent Order Drawing Number:			
TR010060			TR010060/APP/2.12			

Client



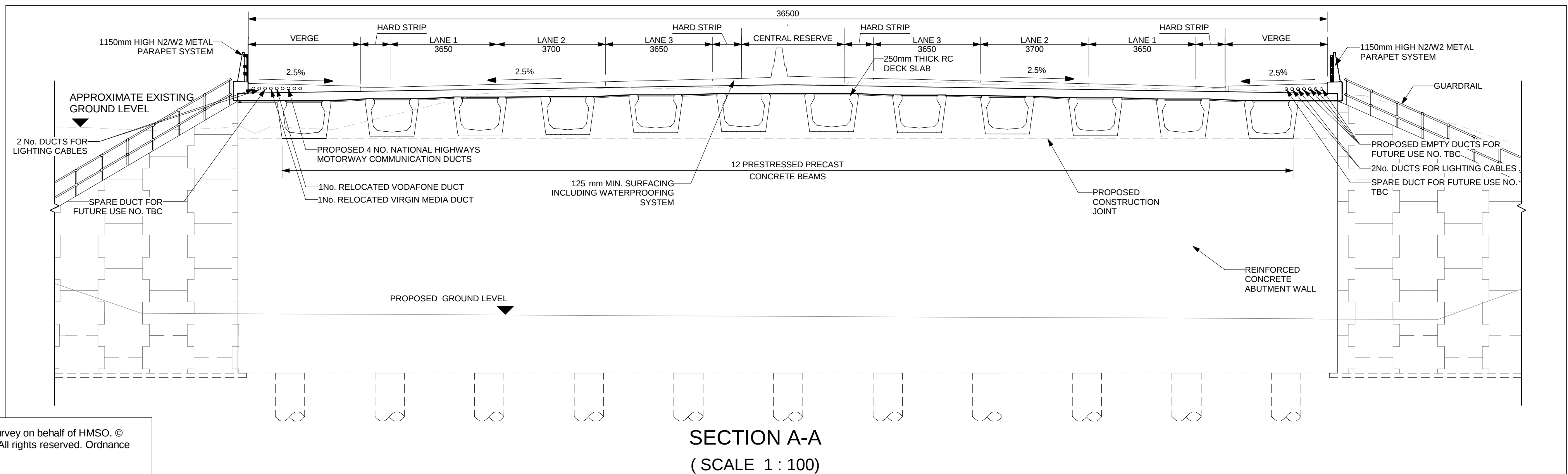
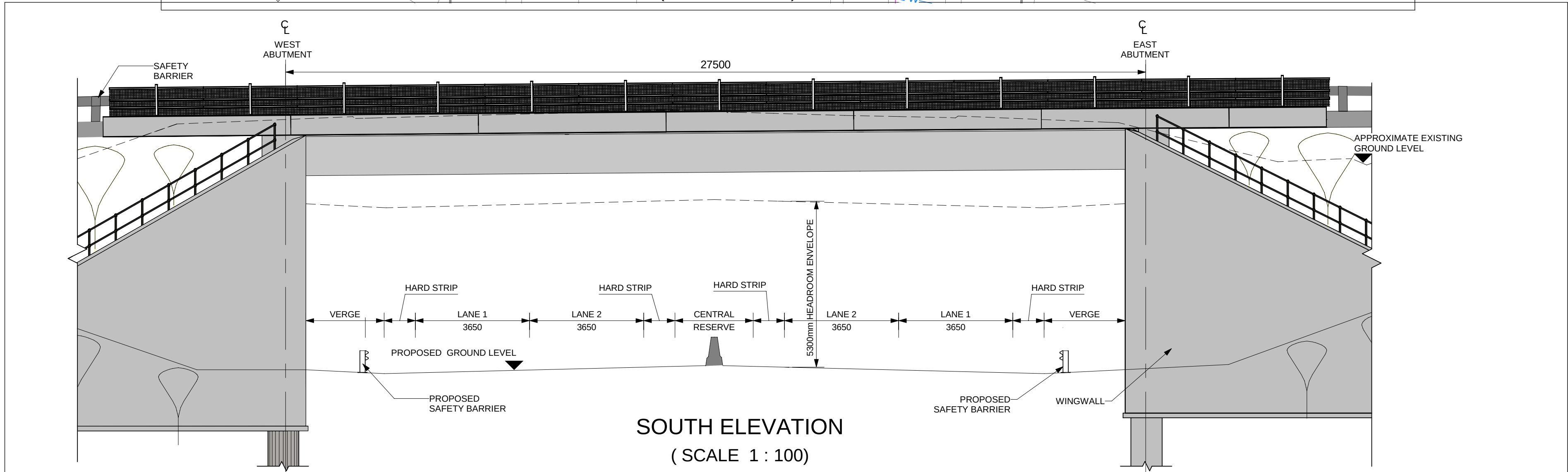
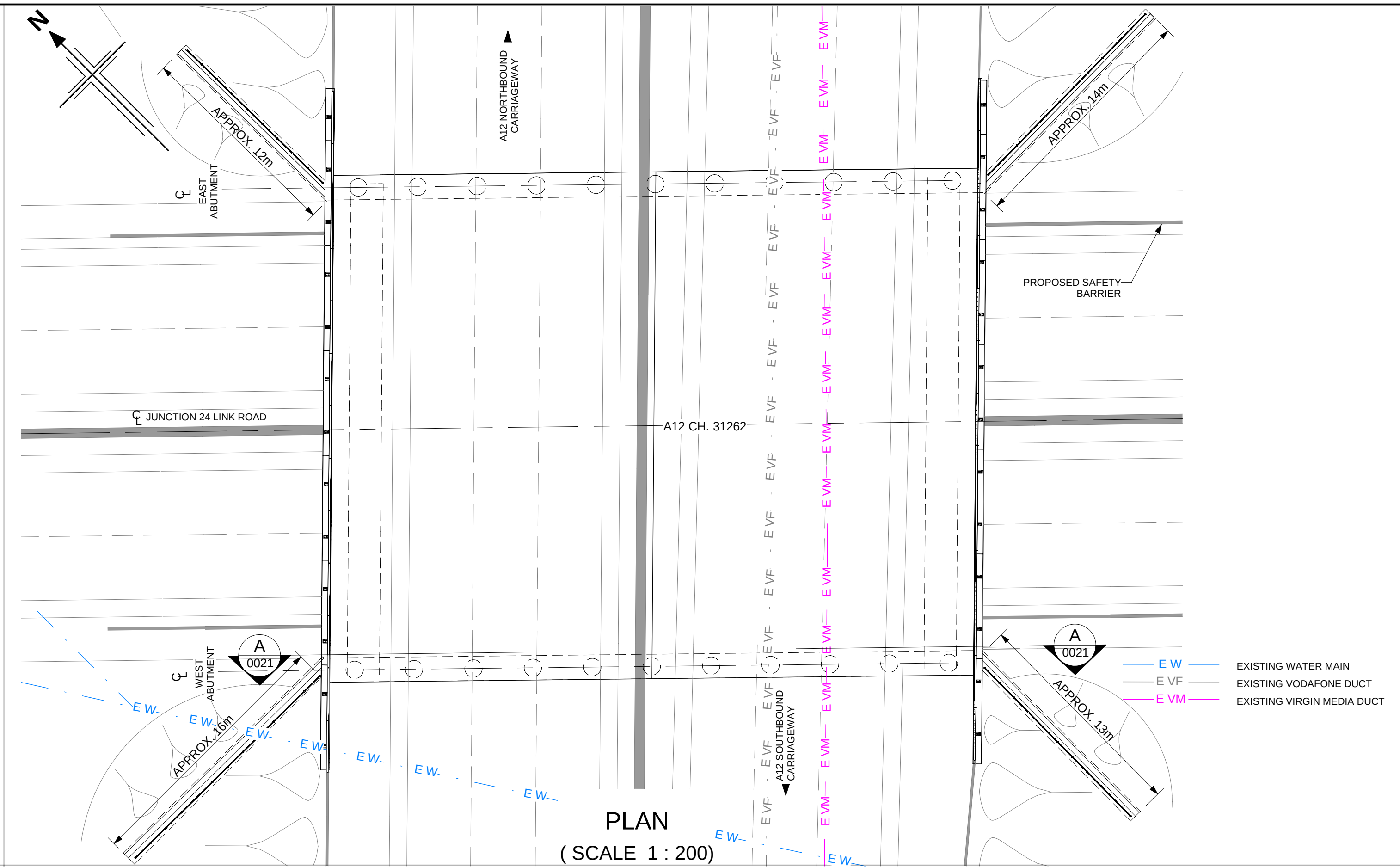
Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
EWELL OVERBRIDGE REPLACEMENT - WORK No. 76 - CH. 30770 (PROPOSED STRUCTURE)
SHEET 20 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF3				S4
Scale at A1 (841x594mm)	AS SHOWN				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				

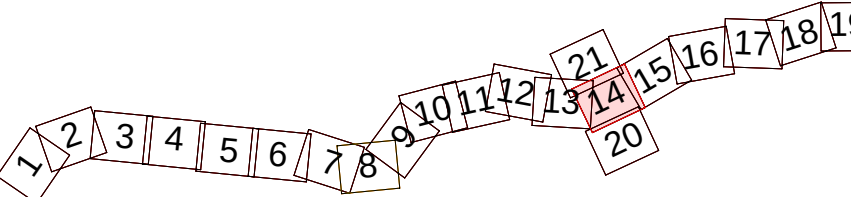
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
SCHW		DR	S 0020



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).

KEY PLAN
SCALE N.T.S.



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12



A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
NEW JUNCTION 24 UNDERBRIDGE - WORK No. 74(a) - CH. 31262
(PROPOSED STRUCTURE)
SHEET 21 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary		Drawing status		
Project Stage	PCF3		S4		
Scale at A1 (841x594mm)	AS SHOWN		Rev		
Jacobs No.	B36601D1		P01		
Client no.	HE551497				

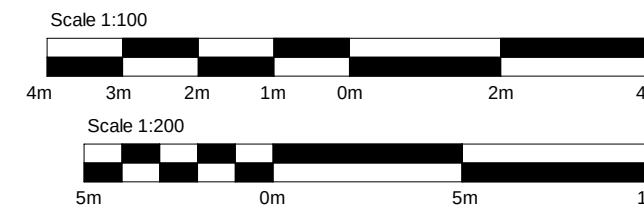
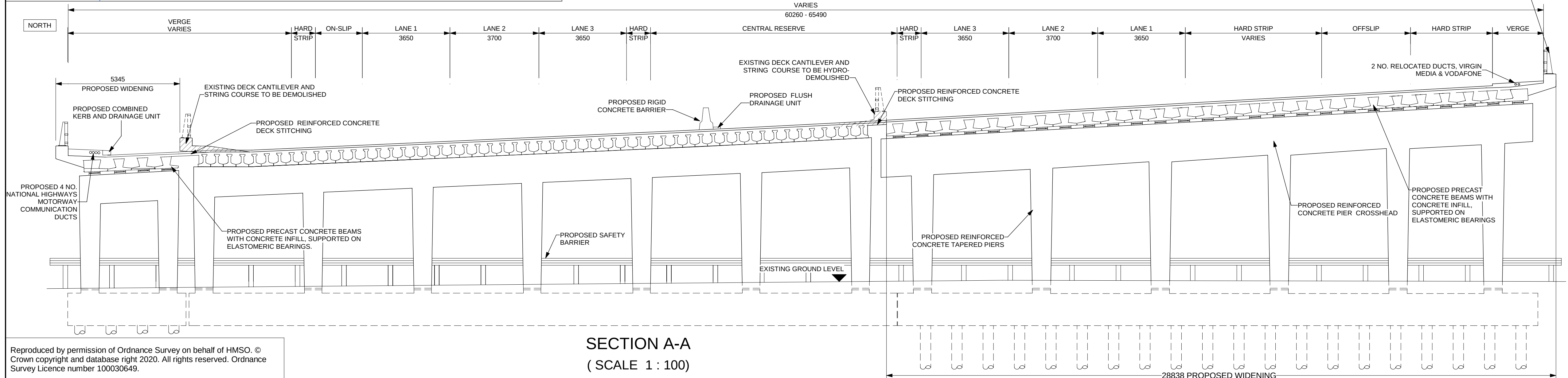
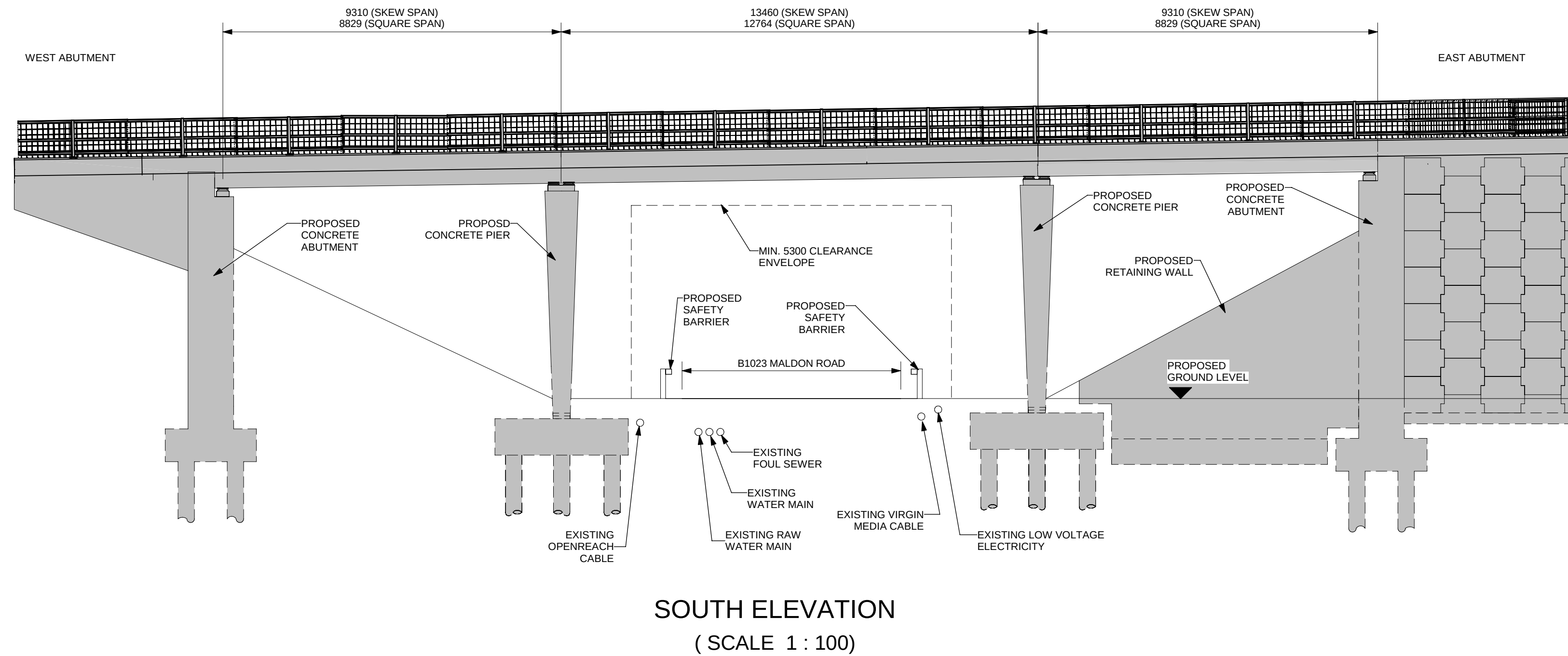
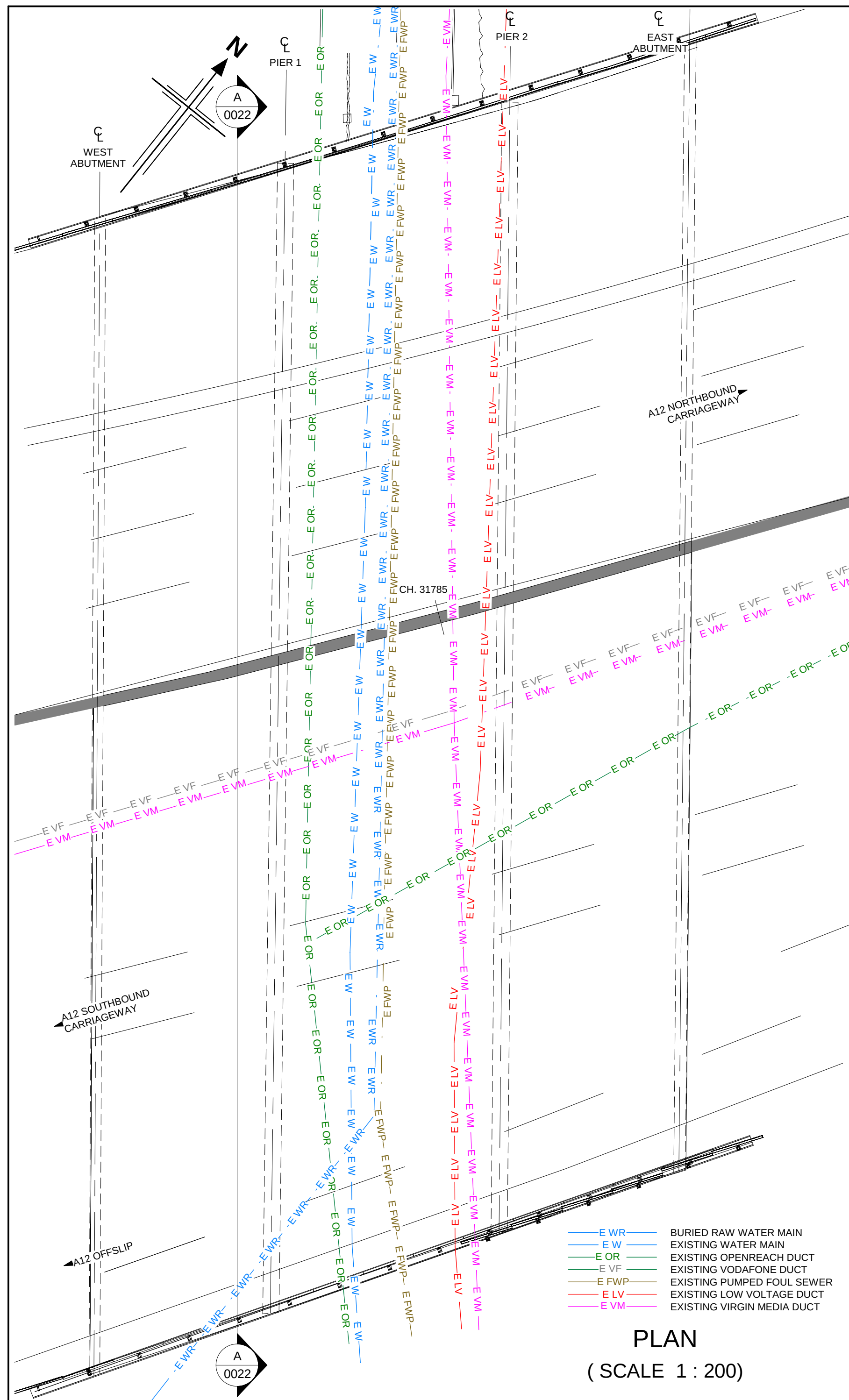
Drawing number
PIN
HE551497
Location
SCHW

Originator
JAC

Volume
LDC
DR S 0021

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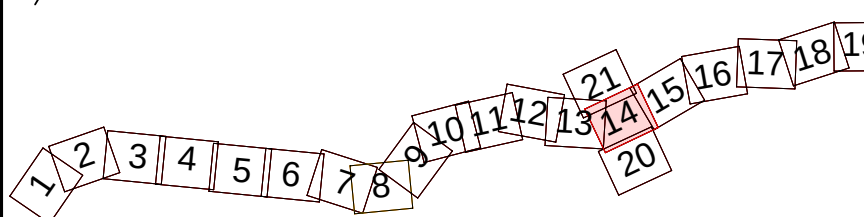
13/06/2022 14:53:03



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).

KEY PLAN SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.12



A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
PARK UNDERBRIDGE - WORK No. 45(a) & 45(b) - CH. 31785
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 22 OF 30

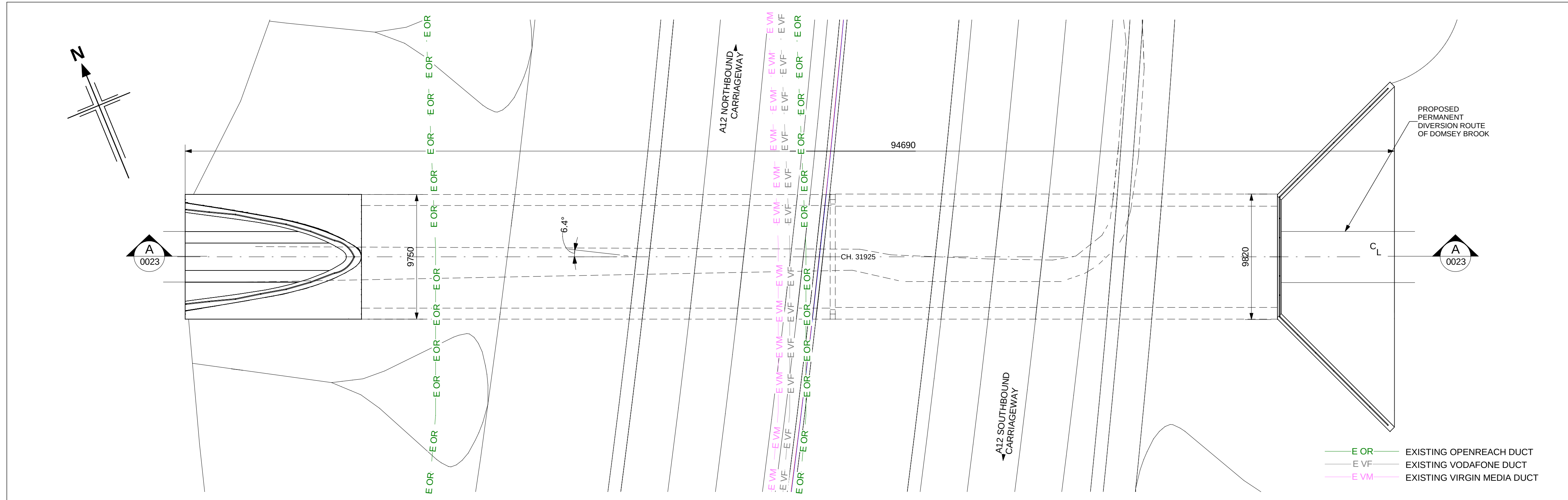
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary		Drawing status		
Project Stage	PCF3		S4		
Scale at A1 (841x594mm)	AS SHOWN		Rev		
Jacobs No.	B36601D1		P01		
Client no.	HE551497				

Drawing number	Originator	Volume
PIN	JAC	LDC
HE551497		
Location	SCHW	DR
Type	Role	Number
		S 0022

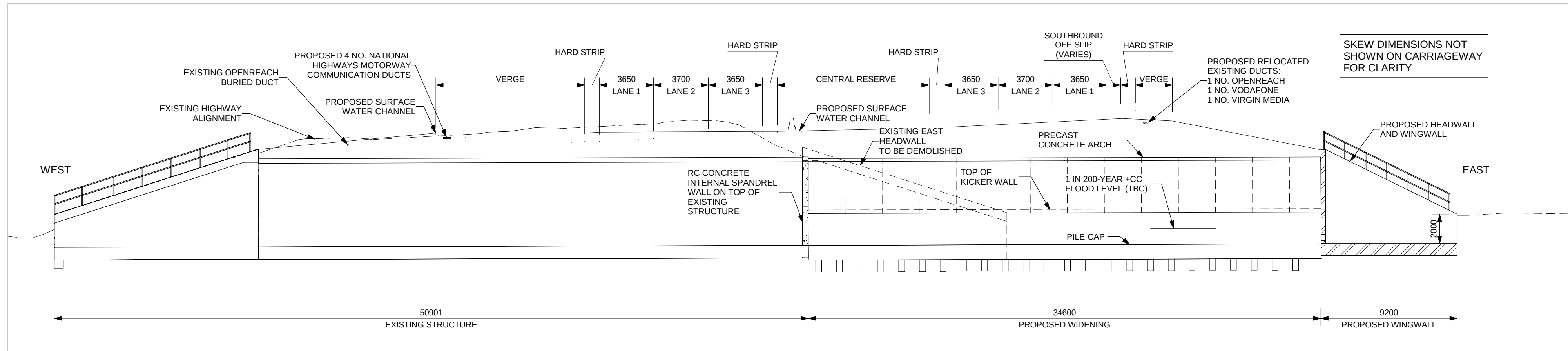
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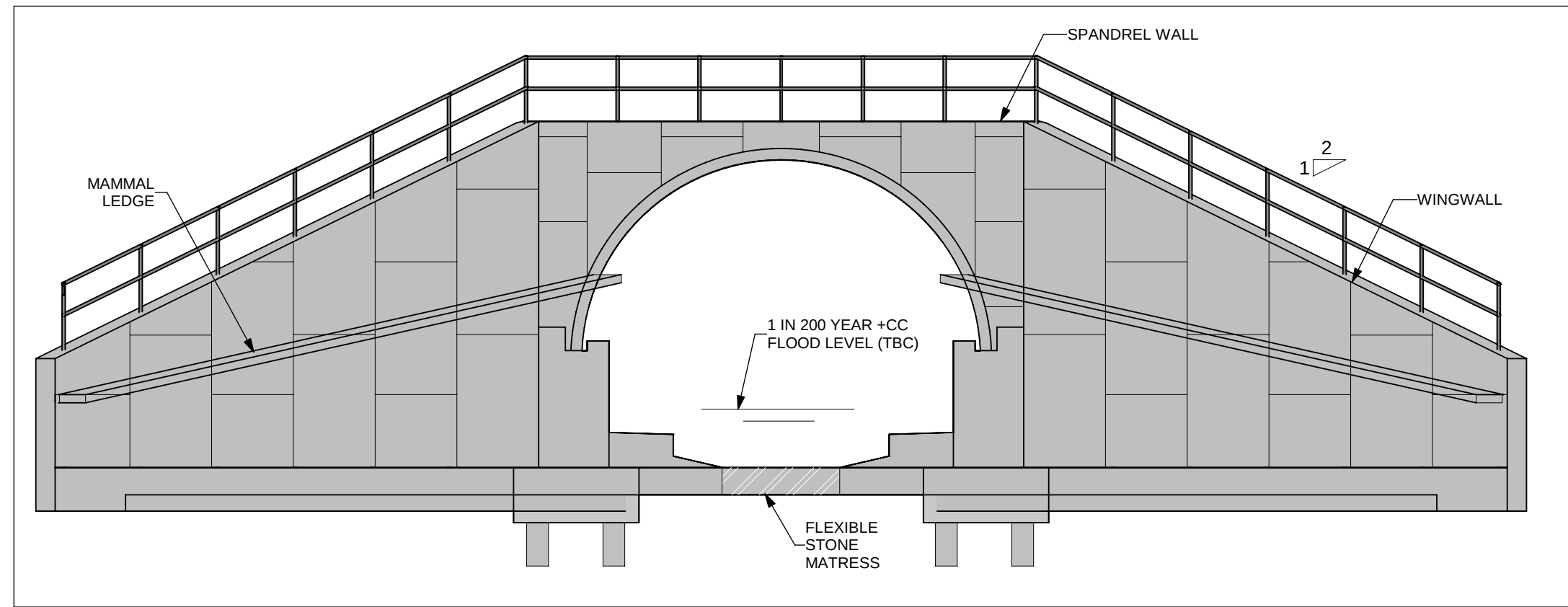
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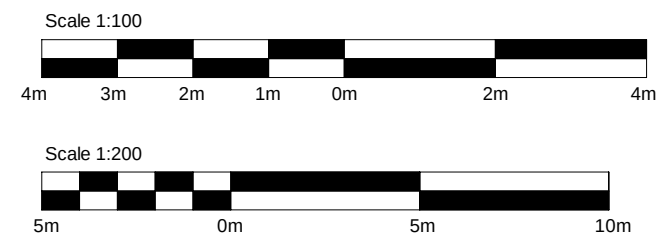
PLAN
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 200)

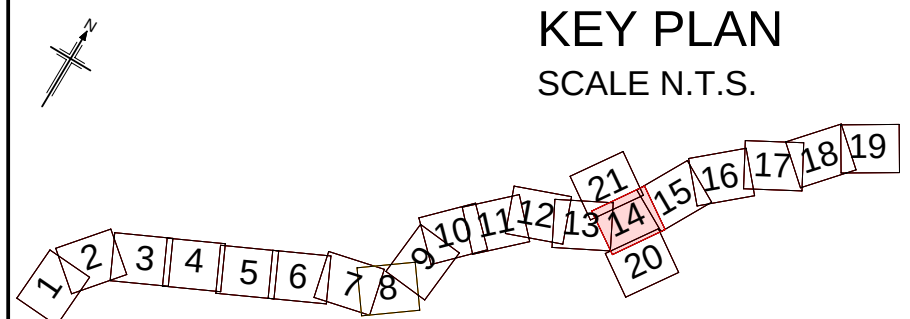


EAST ELEVATION
(SCALE 1 : 100)



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.12



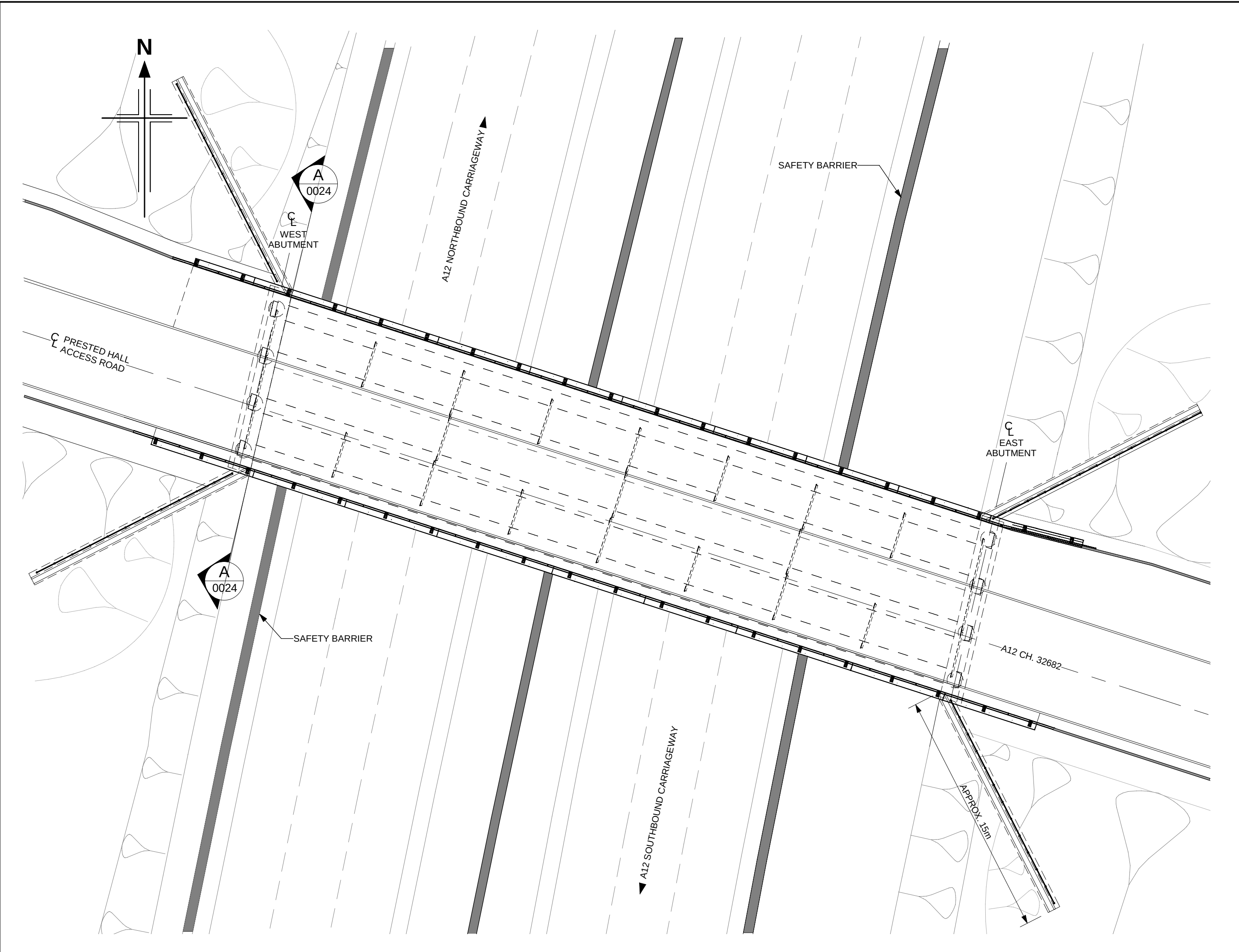
Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
DOMSEY BROOK UNDERBRIDGE - WORK No. 67 - CH. 31925
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 23 OF 30

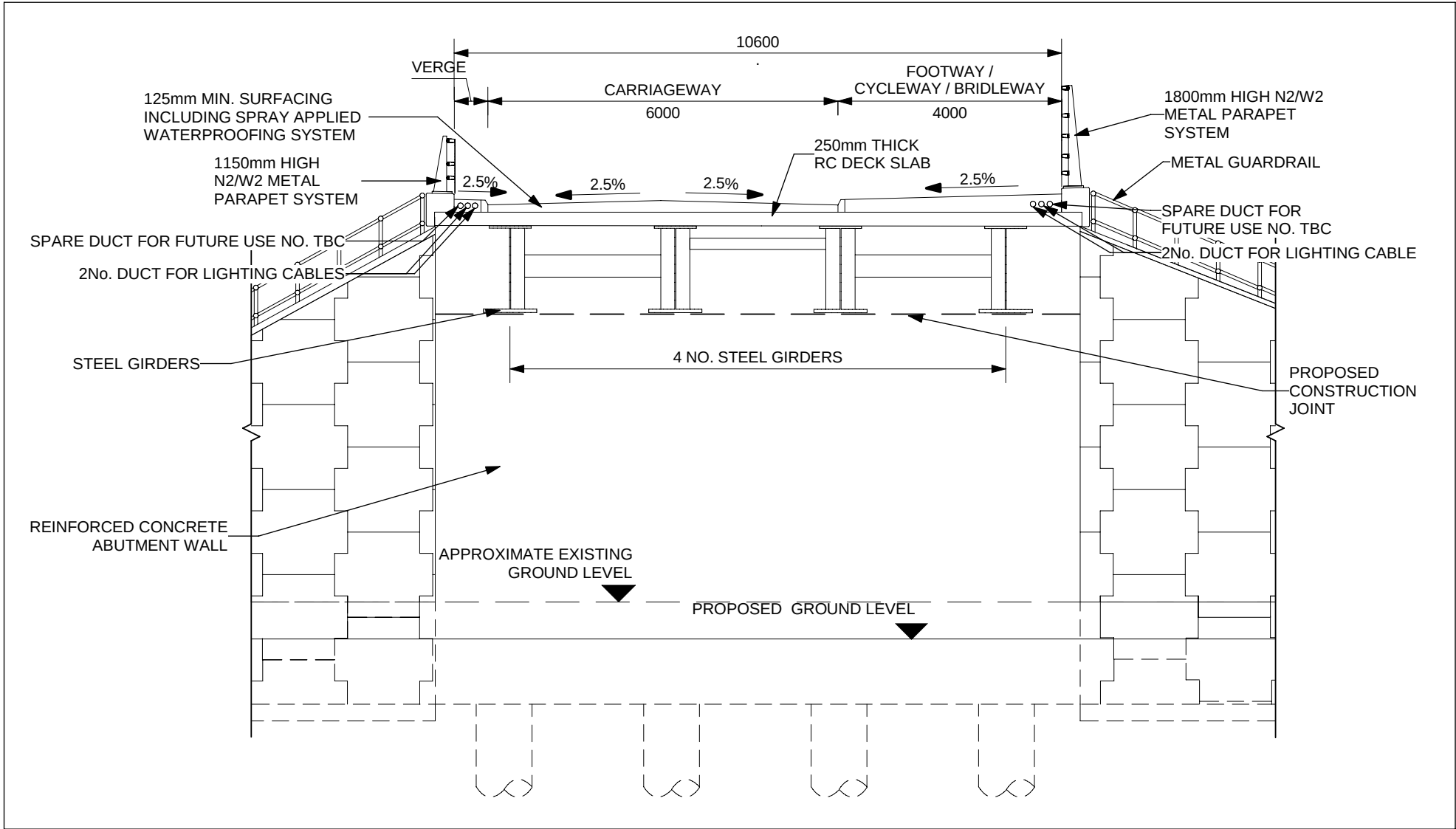
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497

Drawing number	Originator	Volume
HE551497	JAC	LDC
SCHW	DR	S

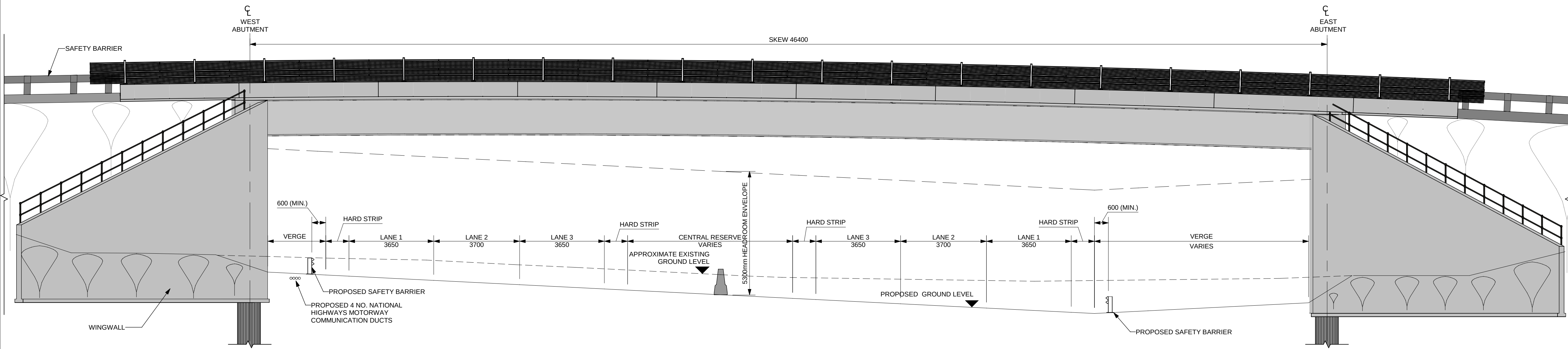
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PLAN
(SCALE 1 : 200)



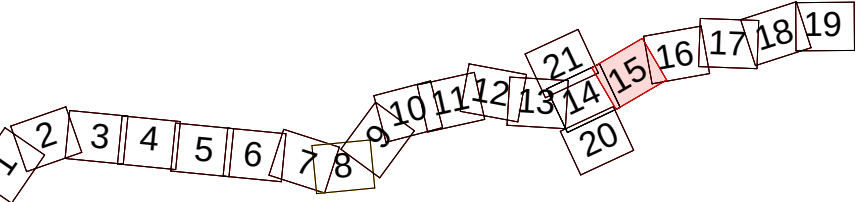
SECTION A-A
(SCALE 1 : 100)



SOUTH ELEVATION
(SCALE 1 : 100)

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
 3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).

KEY PLAN
SCALE N.T.S.



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.12

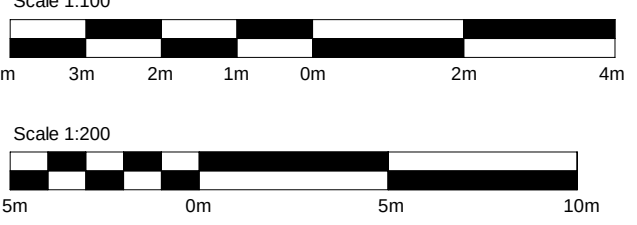


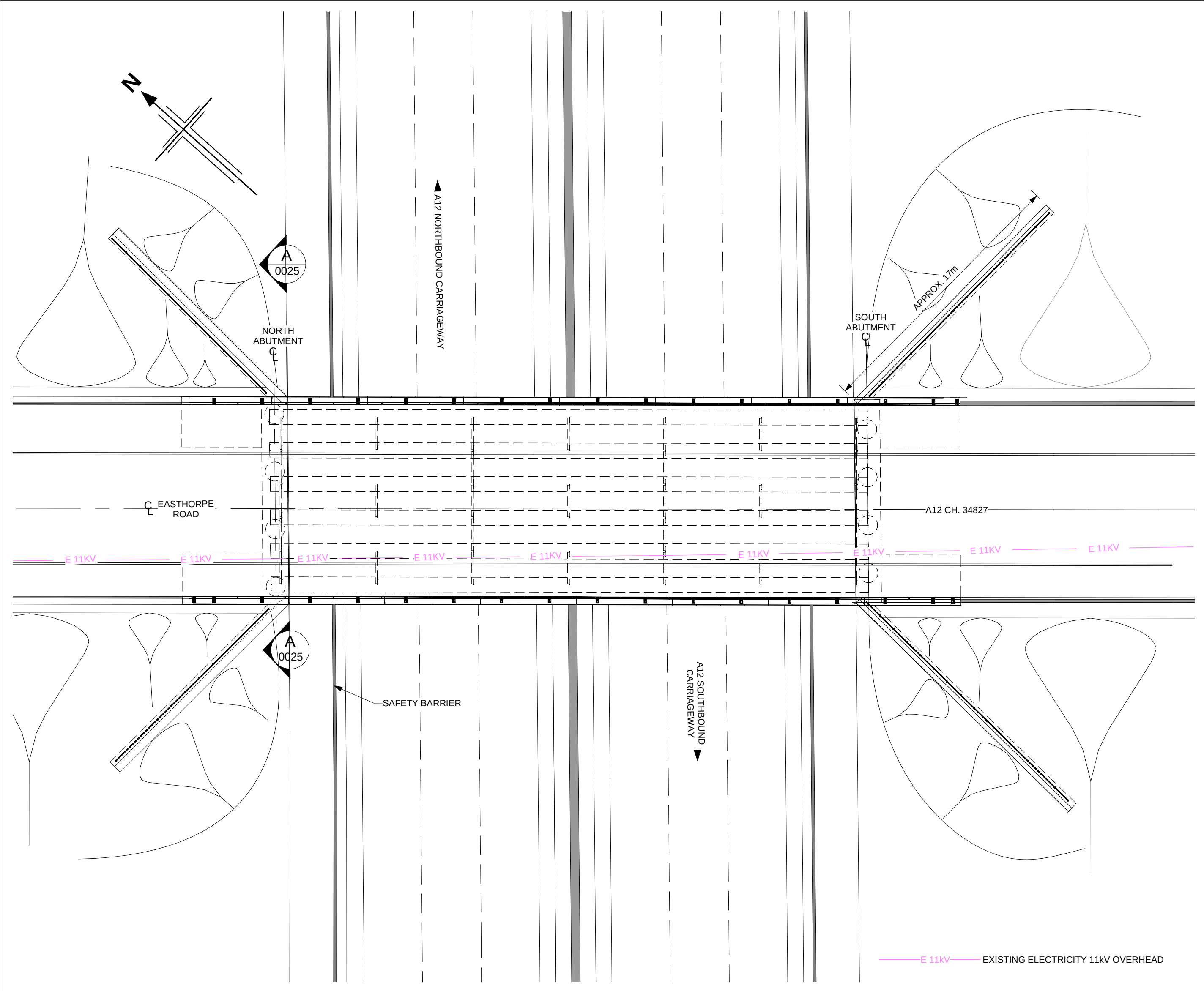
Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
PRESTED HALL OVERBRIDGE - WORK No. 79(b) - CH. 32682
(PROPOSED STRUCTURE)
SHEET 24 OF 30

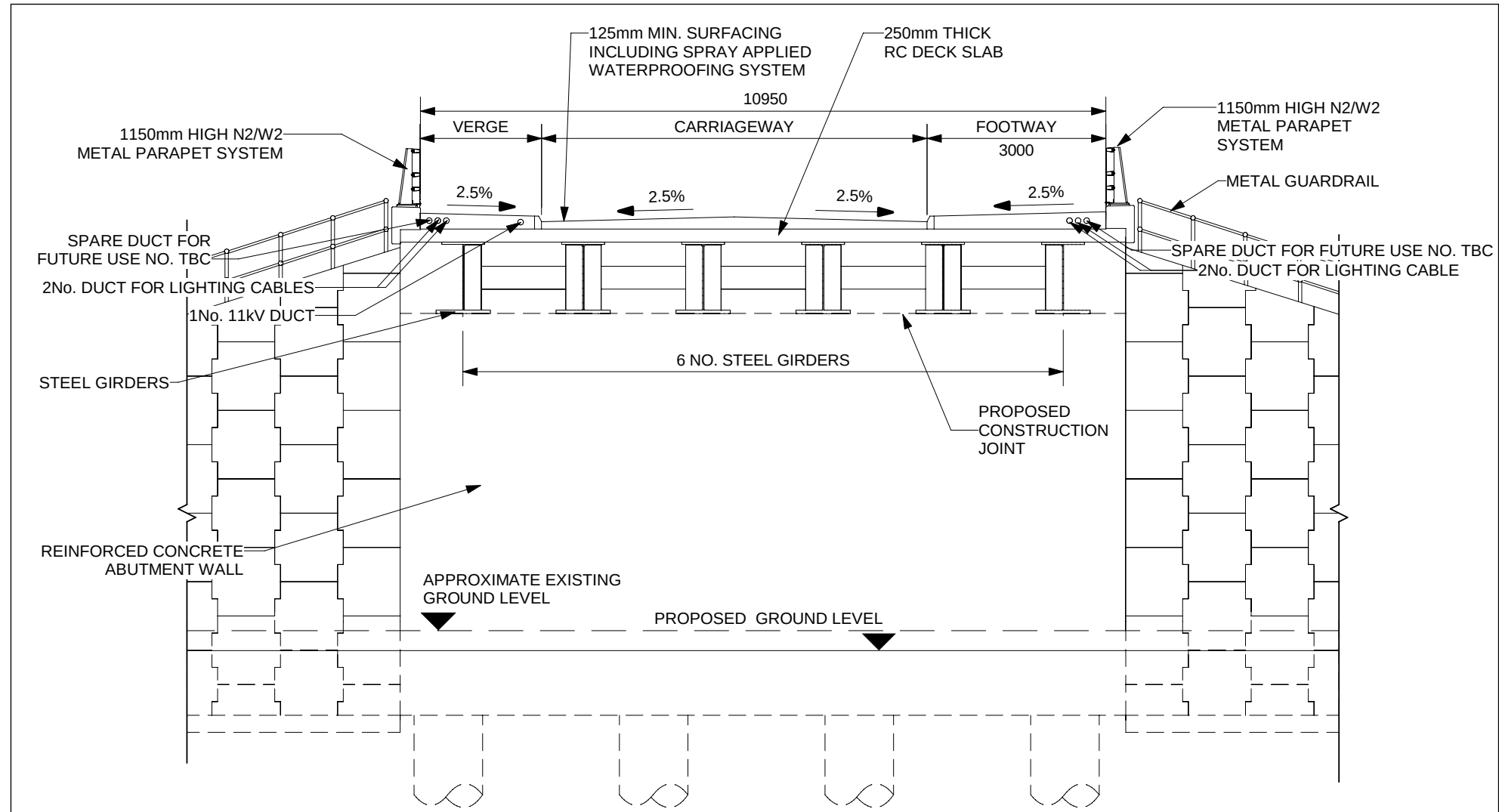
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497

Drawing number	Originator	Volume
HE551497	JAC	LDC
Location	Type	Role
SCHW	DR	S
		0024

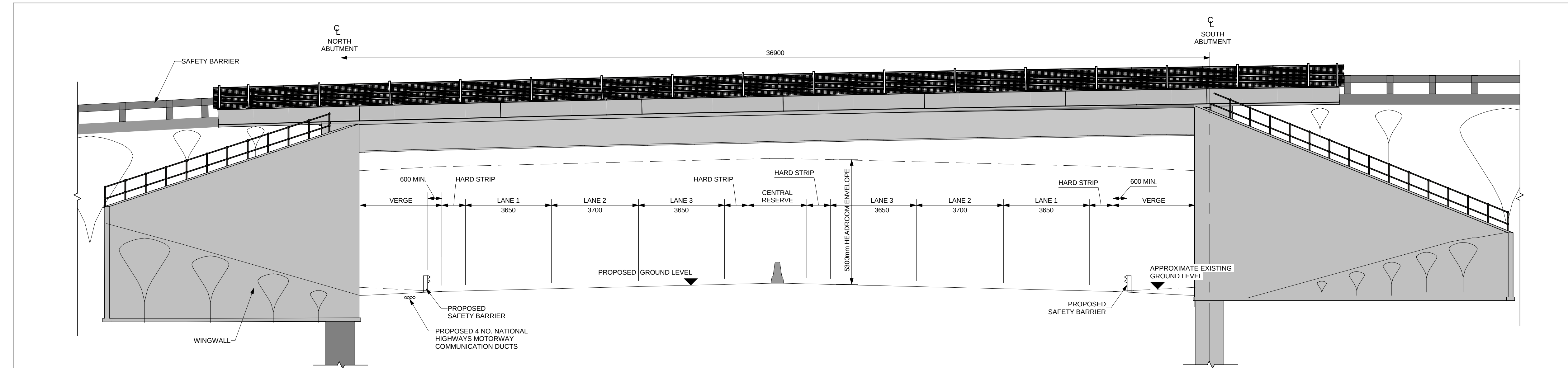




PLAN
(SCALE 1 : 200)

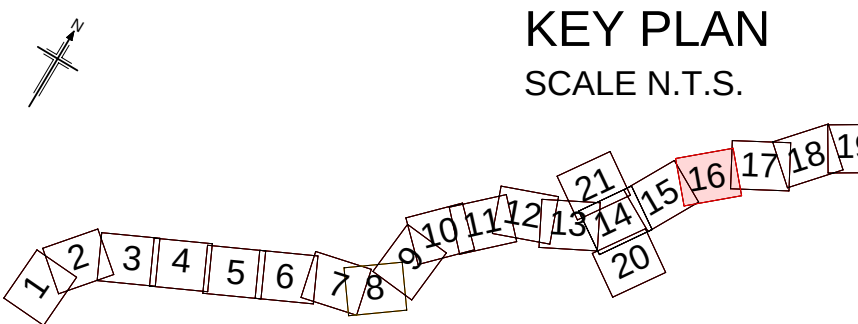


SECTION A-A
(SCALE 1 : 100)



WEST ELEVATION
(SCALE 1 : 100)

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
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P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12

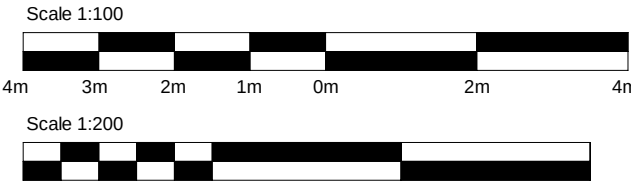


A12 CHELMSFORD TO A120 WIDENING SCHEME

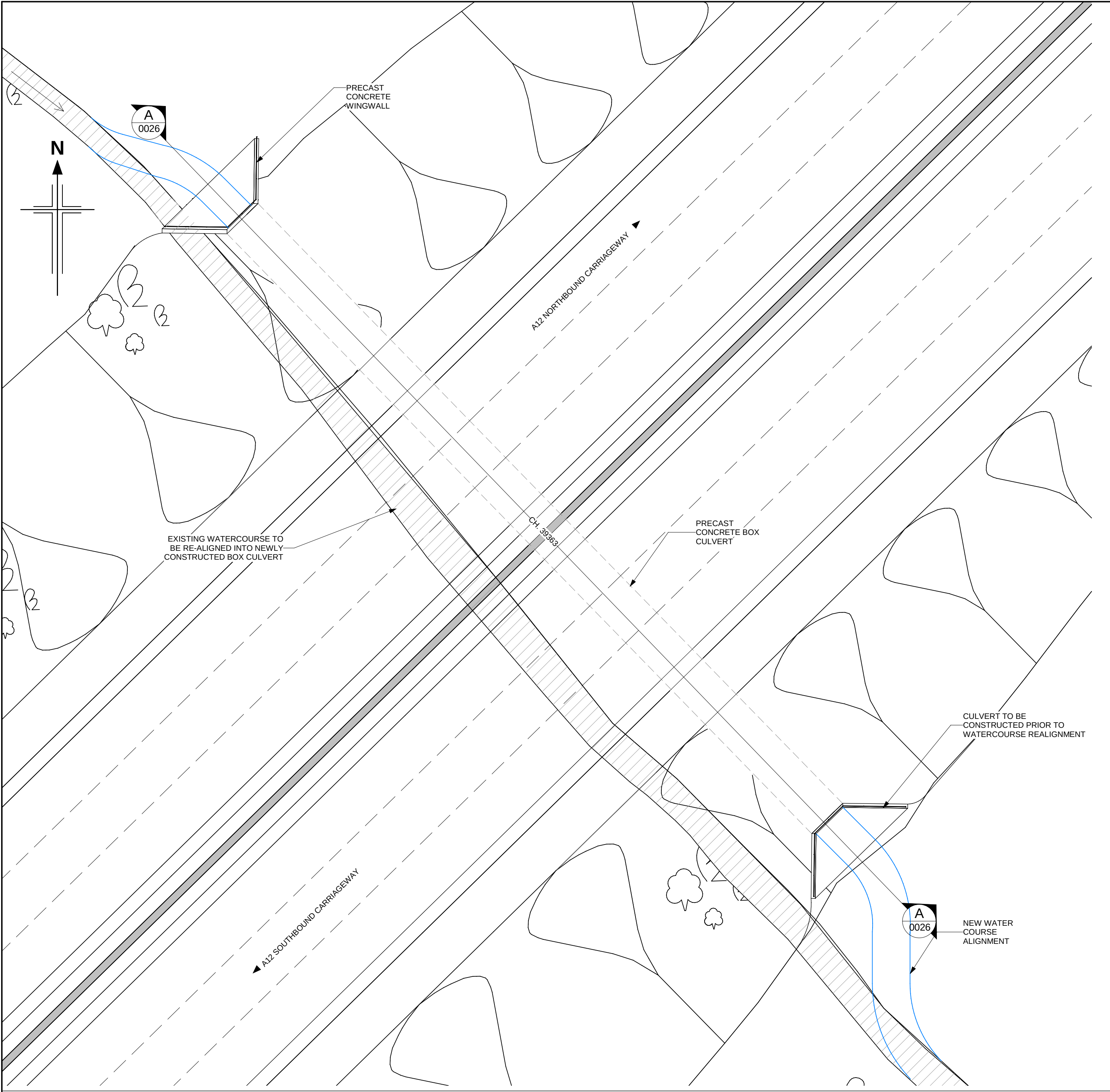
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
EASTHORPE ROAD OVERBRIDGE - WORK No. 88(c) - CH. 34827
(PROPOSED STRUCTURE)
SHEET 25 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF3				S4
Scale at A1 (841x594mm)	AS SHOWN				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				

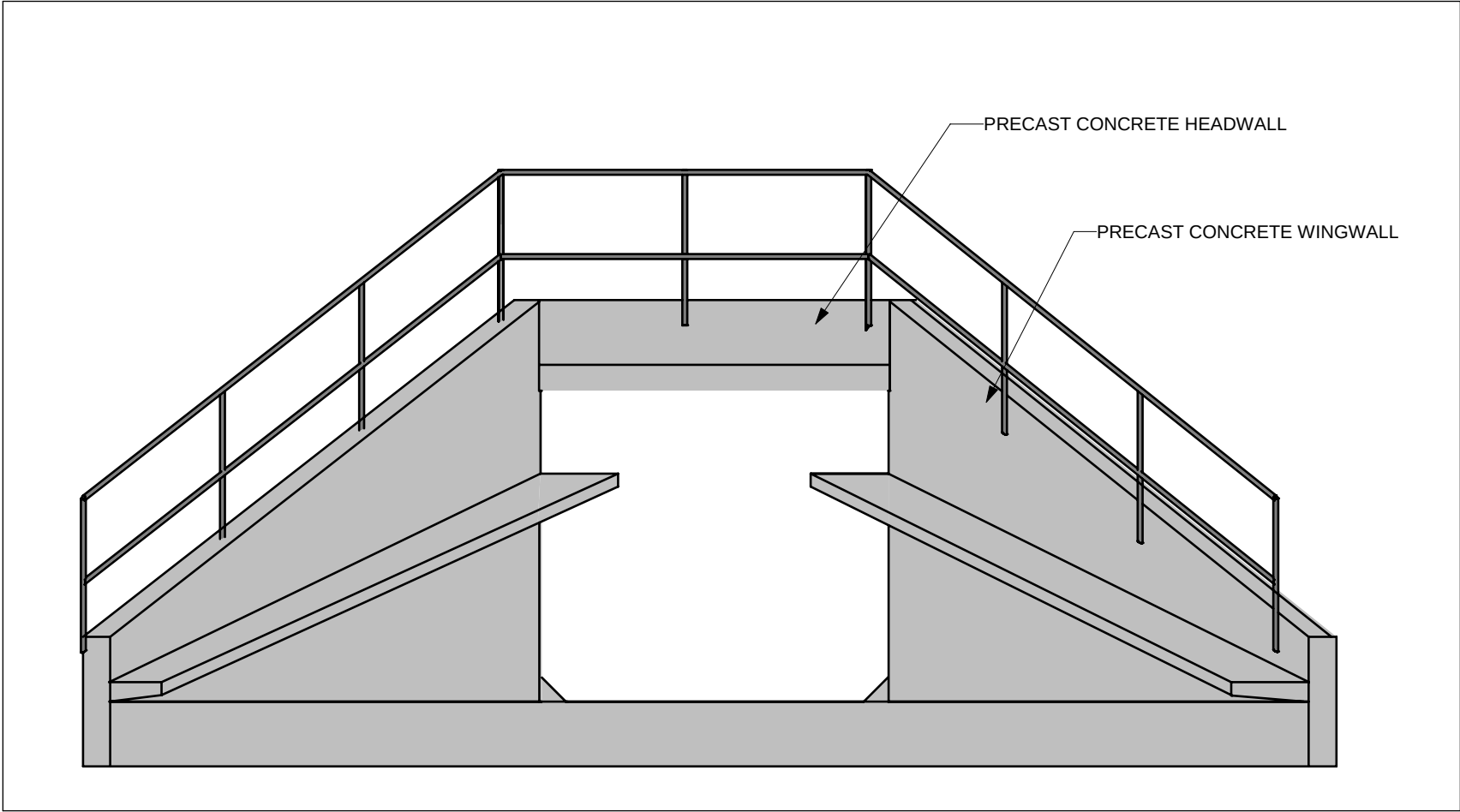
Drawing number PIN
HE551497
Originator JAC
Volume LDC
Location SCHW
Type DR
Role S
Number 0025



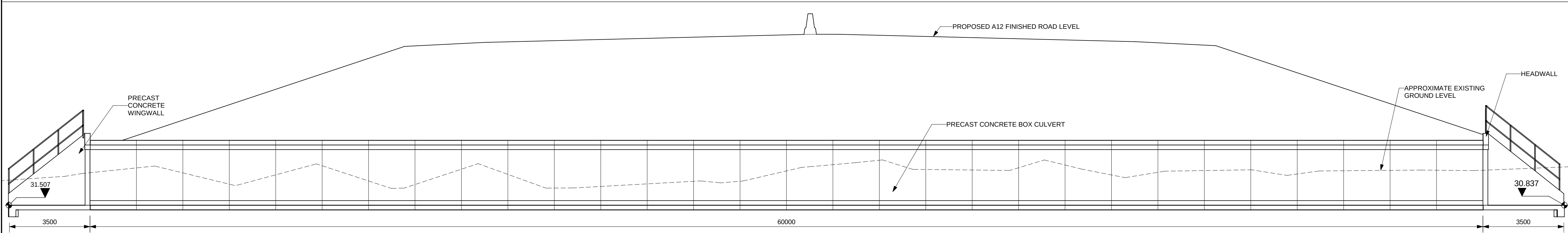
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PLAN
(SCALE 1 : 200)



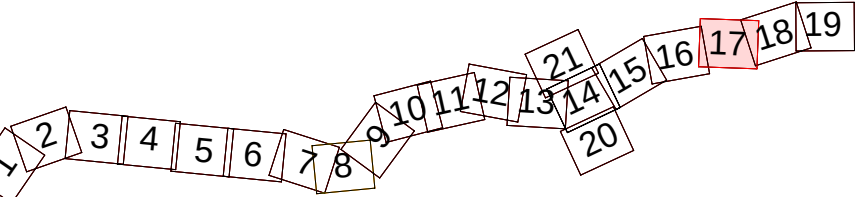
NORTH ELEVATION
(SCALE 1 : 50)



SECTION A-A
(SCALE 1 : 100)

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
 3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).

KEY PLAN
SCALE N.T.S.



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
Development Consent Order Number:			Development Consent Order Drawing Number:			
TR010060			TR010060/APP/2.12			

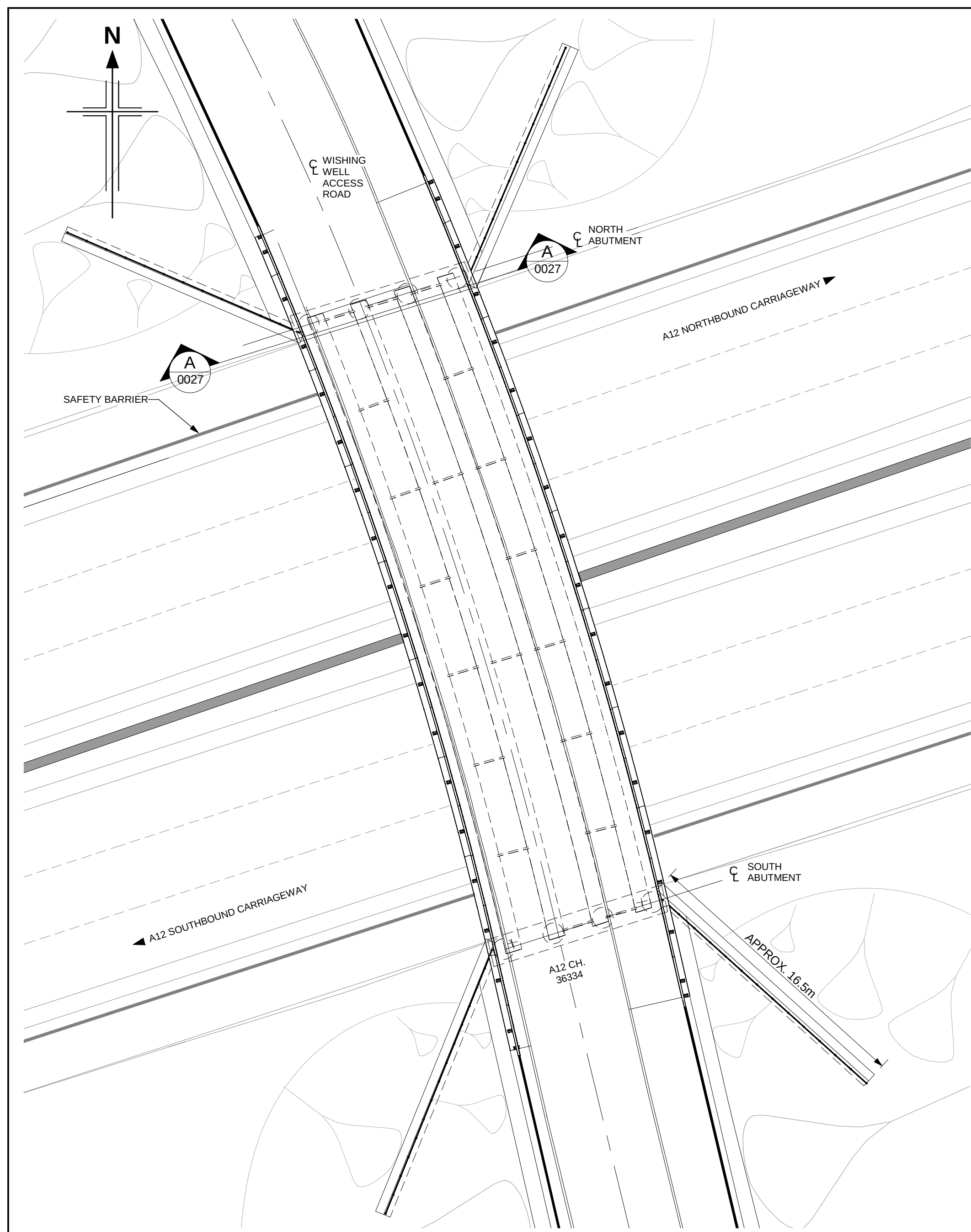


A12 CHELMSFORD TO A120 WIDENING SCHEME

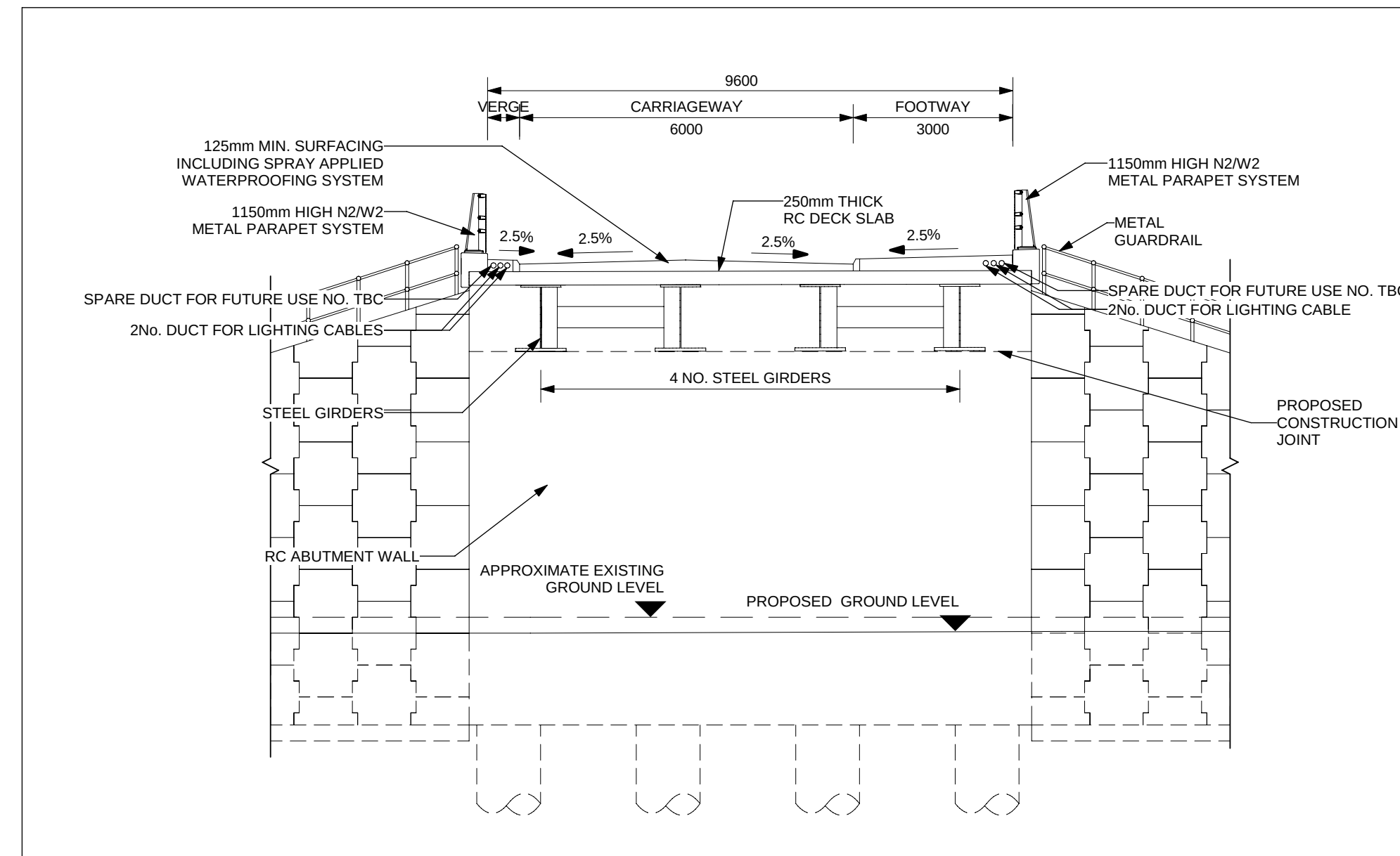
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
DOMSEY BROOK EAST CULVERT – WORK No. 92 - CH. 35445
(PROPOSED STRUCTURE)
SHEET 26 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF3				S4
Scale at A1 (841x594mm)	AS SHOWN				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				

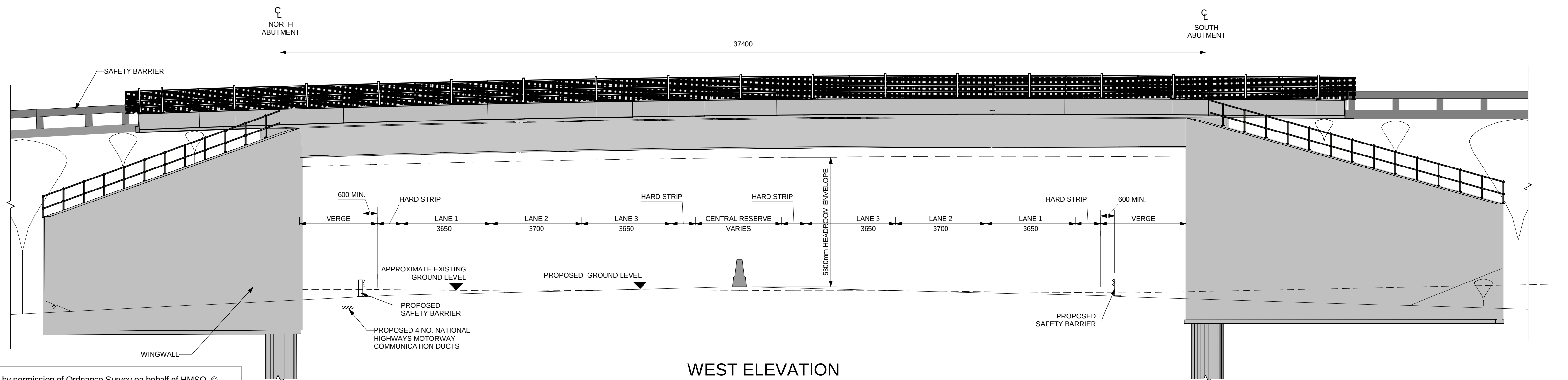
Drawing number
PIN
HE551497
Location
SCHW
Originator
JAC
Volume
LDC
Type | Role | Number
DR S 0026



PLAN
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 100)

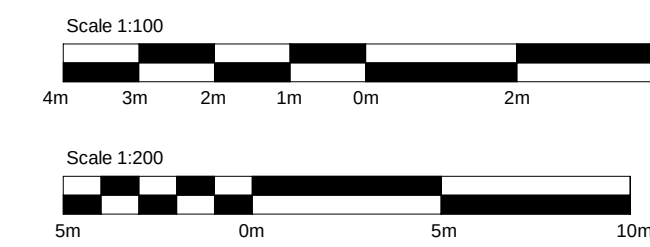


WEST ELEVATION
(SCALE 1 : 100)

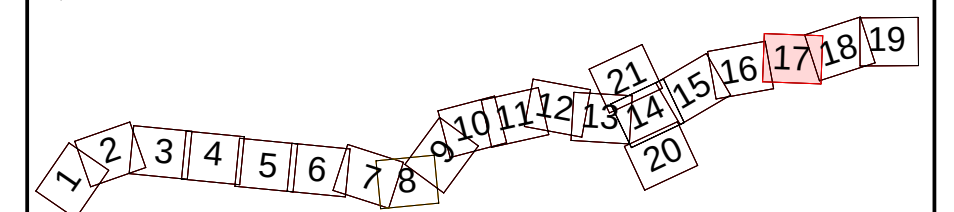
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NOTES:

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2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
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KEY PLAN
SCALE N.T.S.



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checkd	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.12

Client  national highways

Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

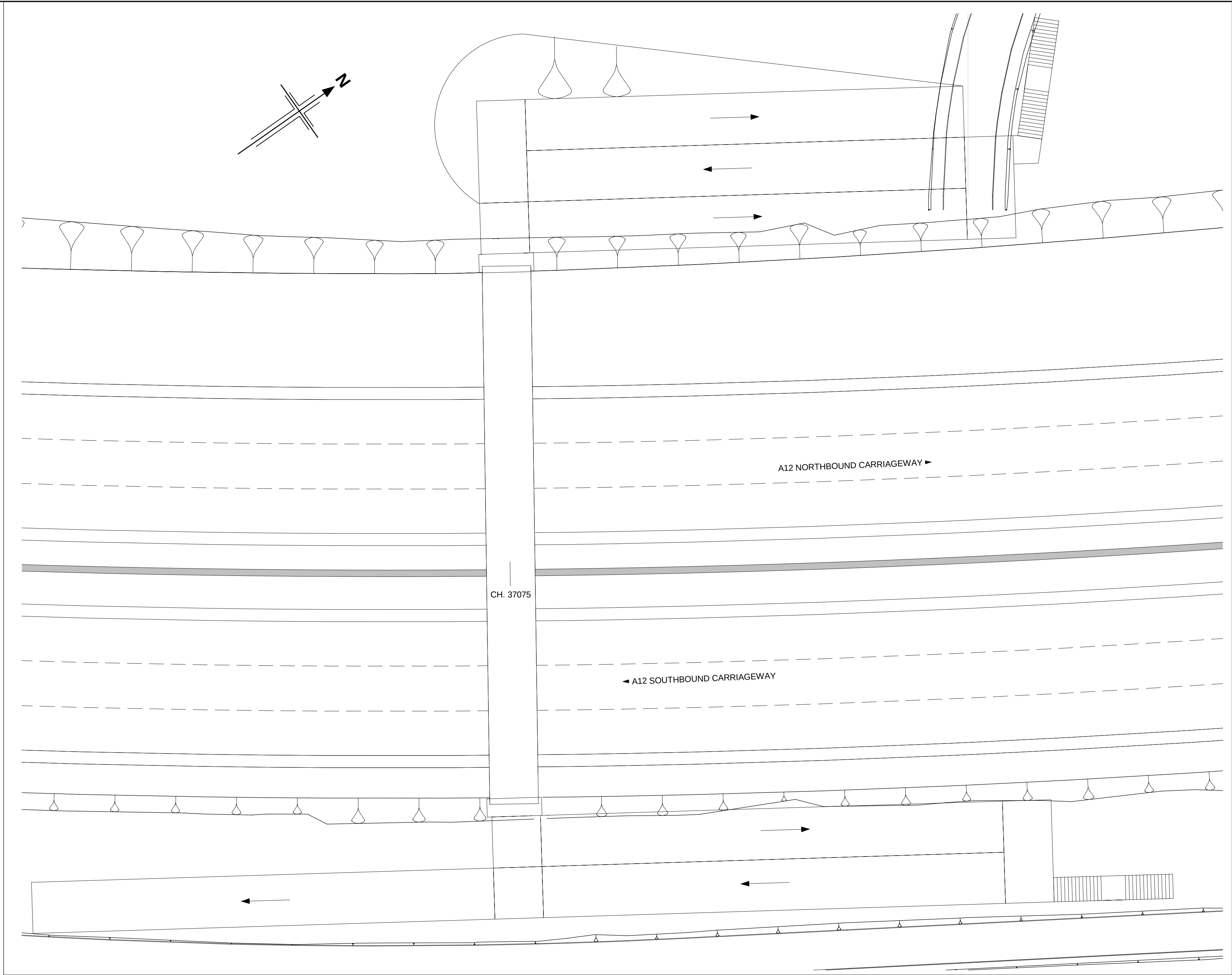
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND
SECTIONS
WISHING WELL OVERBRIDGE - WORK No. 94(c) -
CH. 363334
(PROPOSED STRUCTURE)
SHEET 27 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)	
Purpose of issue	DCO APPLICATION	
State Code	Preliminary	
Project Stage	PCF3	Drawing status
Scale at A1 (841x594mm)	AS SHOWN	S4
Jacobs No.	B36601D1	Rev P01
Client no.	HE551497	

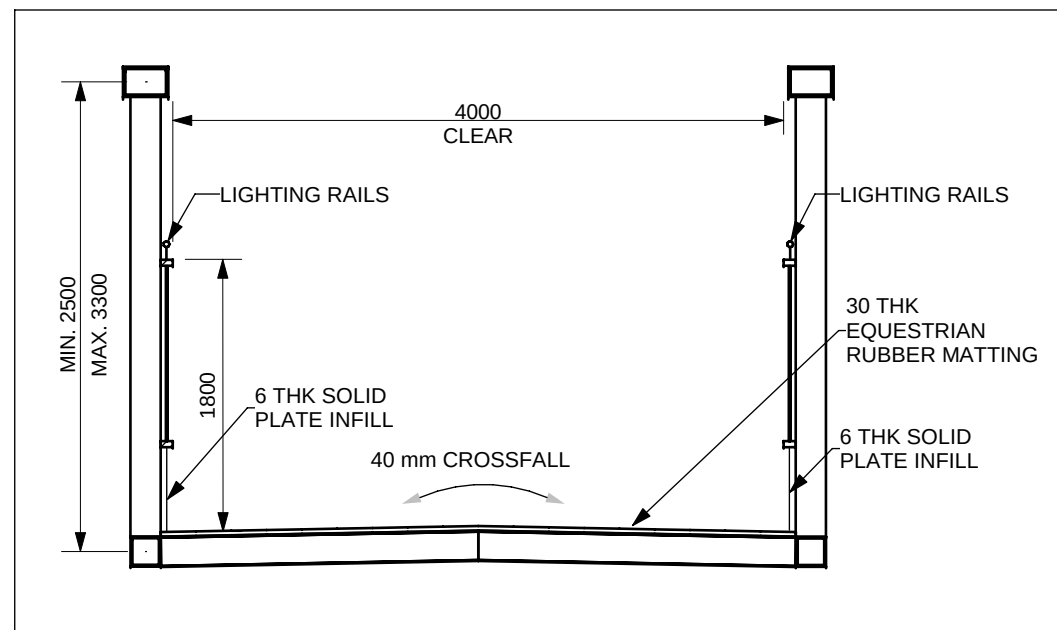
Client No.	HE551497		
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
	Location	Type	Role Number
SCHW	DR	S	0027

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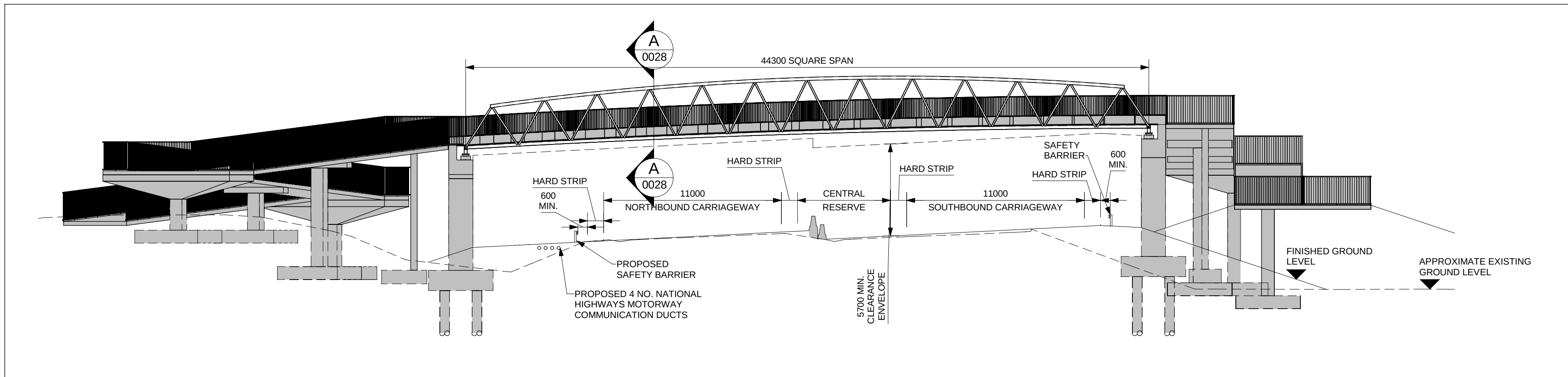
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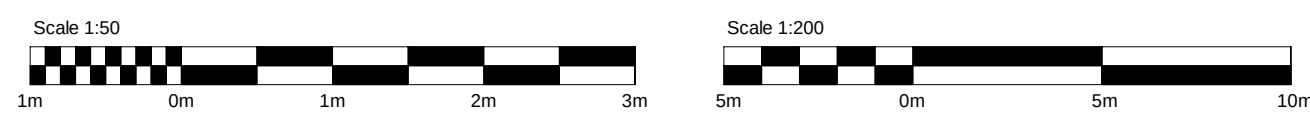
PLAN
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 50)



SOUTH ELEVATION
(SCALE 1 : 200)

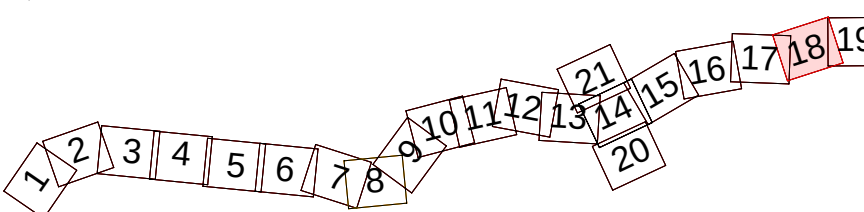


NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS AND SUBJECT TO THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1).



KEY PLAN
SCALE N.T.S.



P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.12

Client



Project

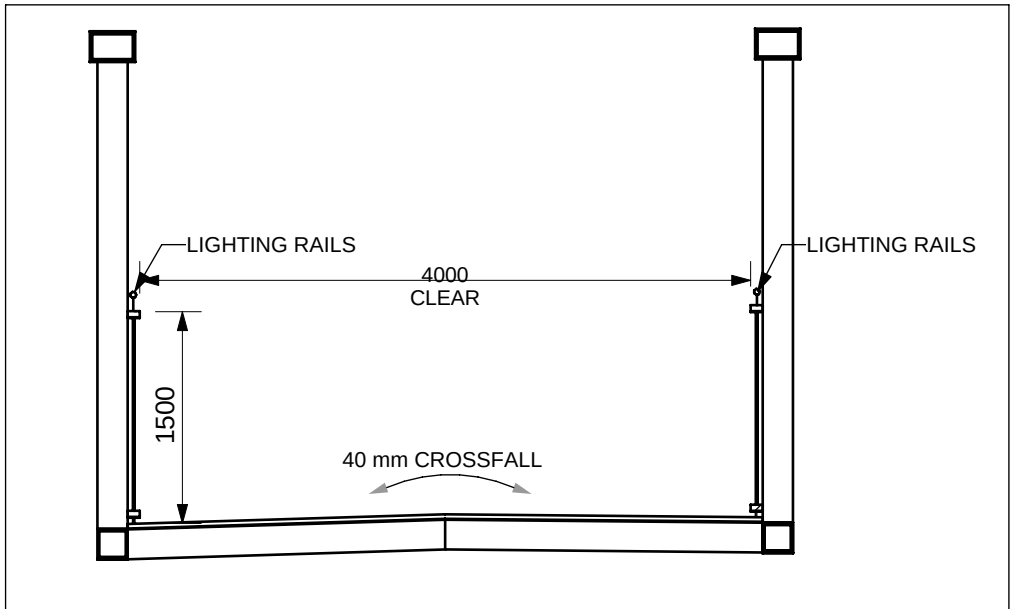
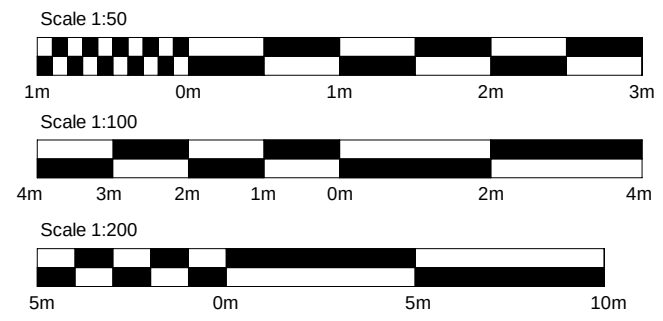
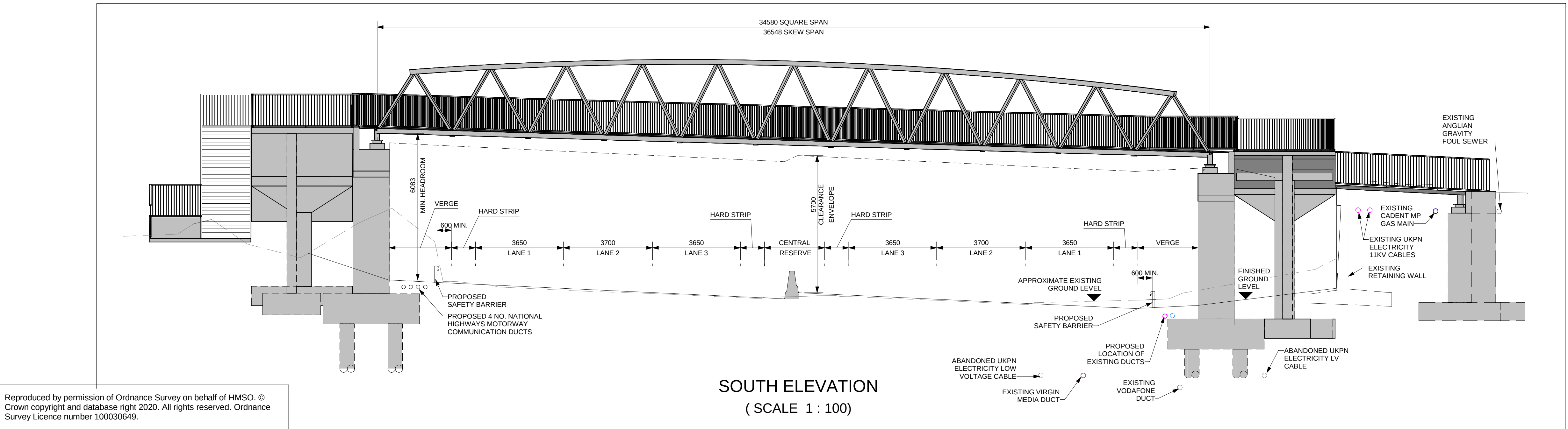
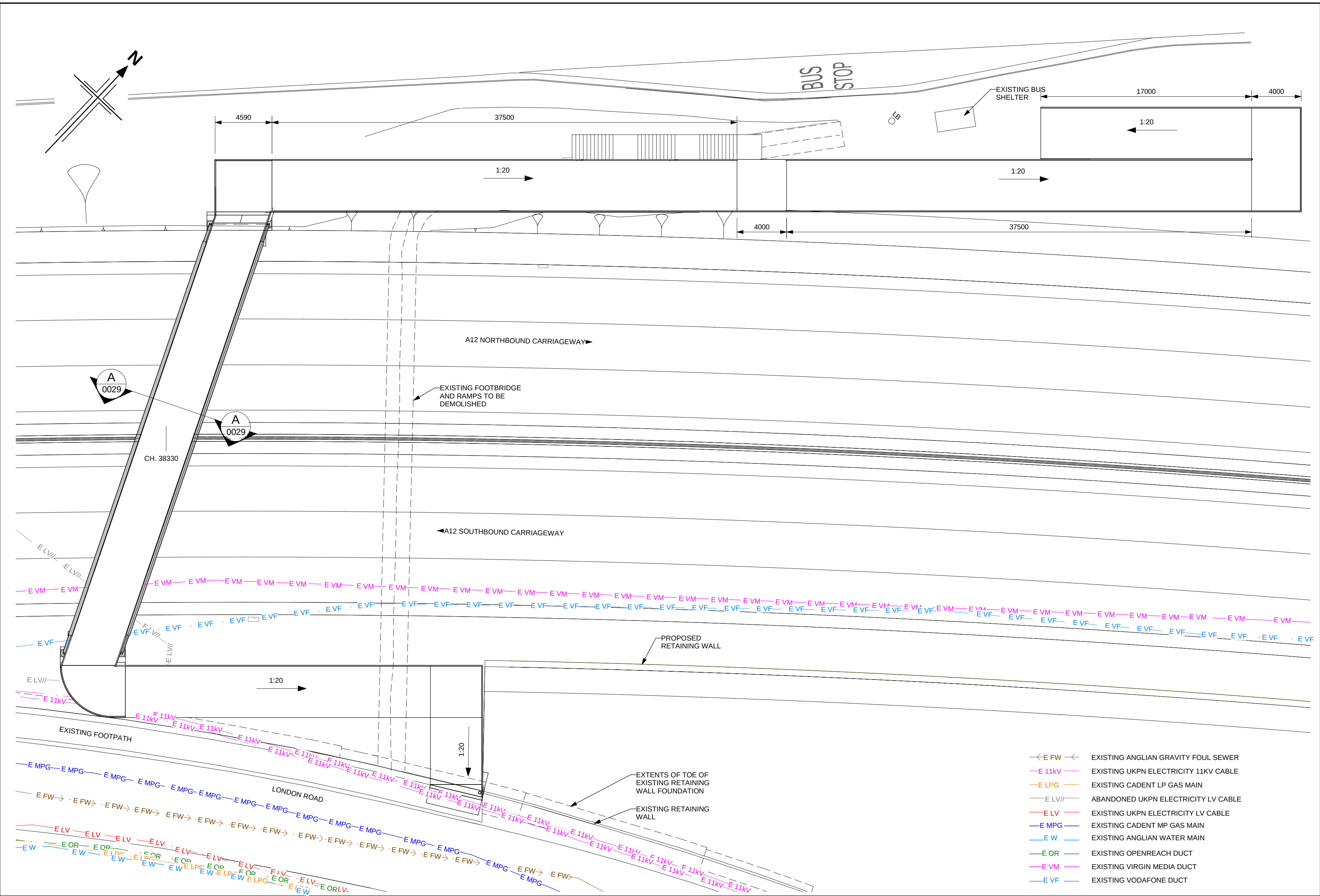
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
POTTS GREEN BRIDGE - WORK No. 100 - CH. 37075 (PROPOSED STRUCTURE)
SHEET 28 OF 30

Regulation	REGULATION 5(2)(a), 5(2)(p) & 6(2)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	PIN
Originator	JAC
Volume	LDC
Location	SCHW
Type	DR
Role	S
Number	0028

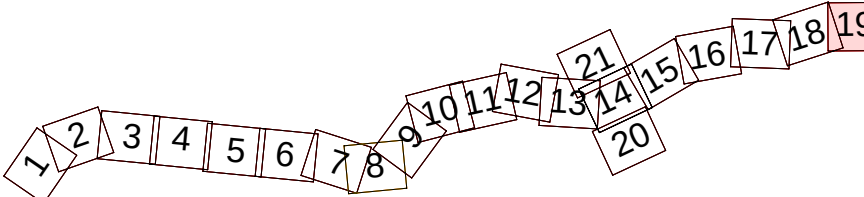
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- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
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KEY PLAN
SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number:	TR010060	Development Consent Order Drawing Number:	TR010060/APP/2.12
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Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

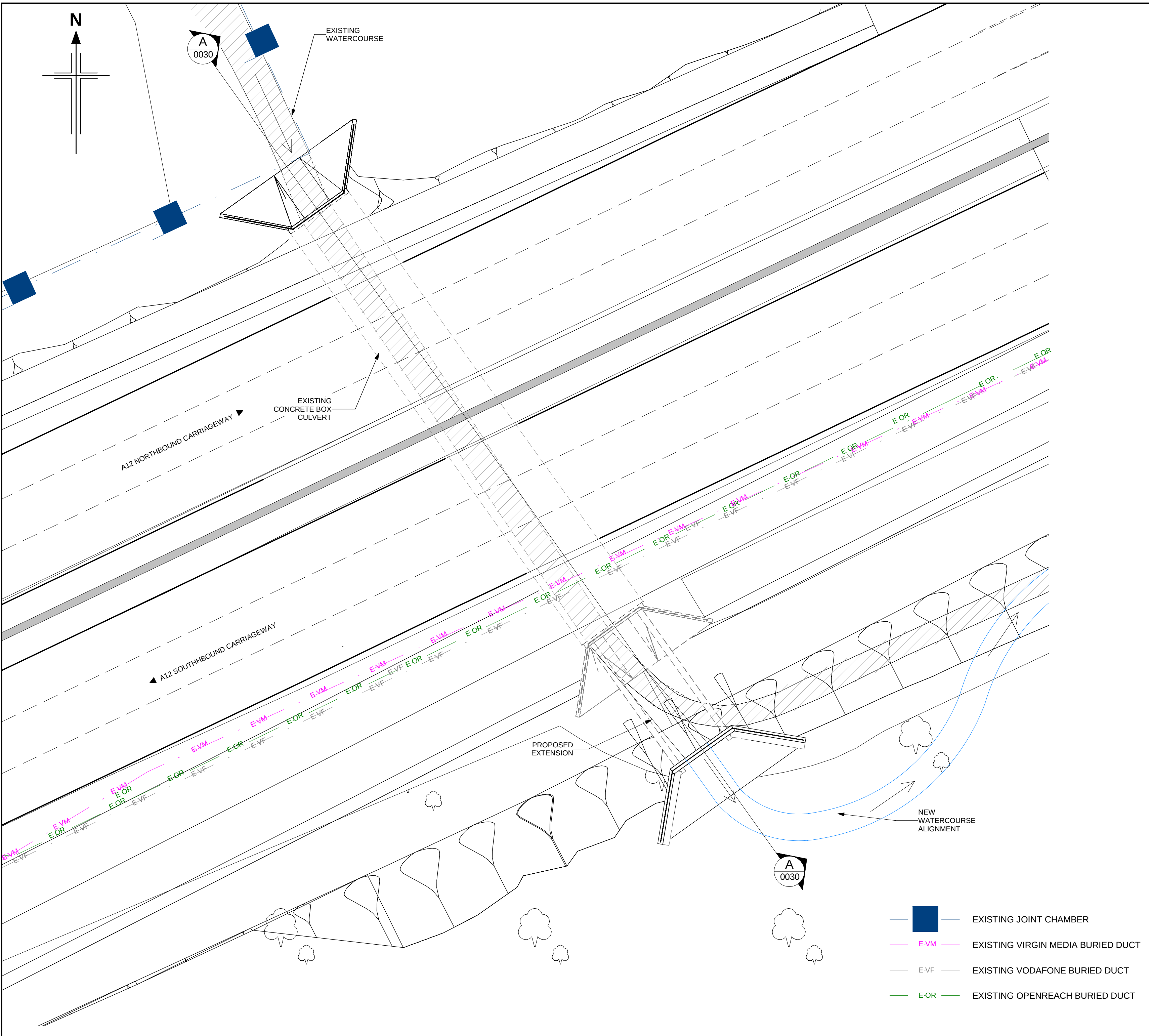
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
MARKS TEY REPLACEMENT BRIDGE - WORK No. 112 - CH. 38330
(PROPOSED STRUCTURE)
SHEET 29 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF3				S4
Scale at A1 (841x594mm)	AS SHOWN				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				

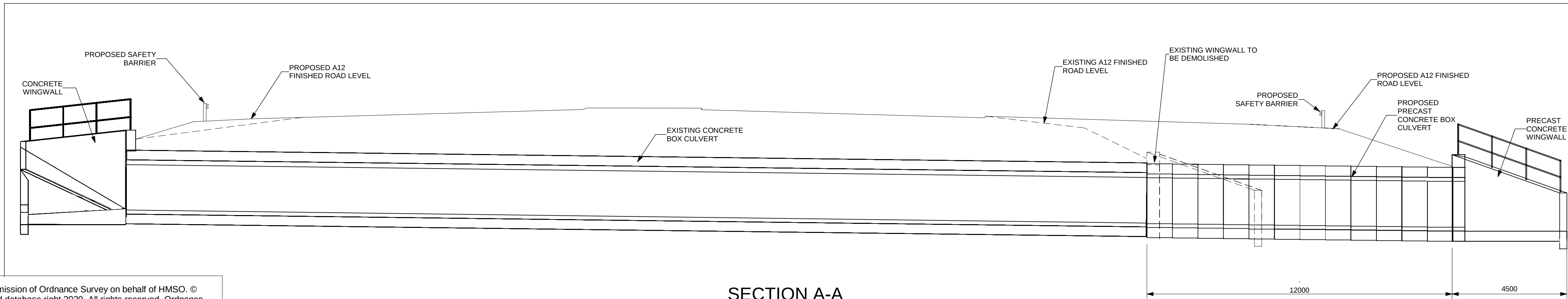
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
SCHW		DR	S 0029

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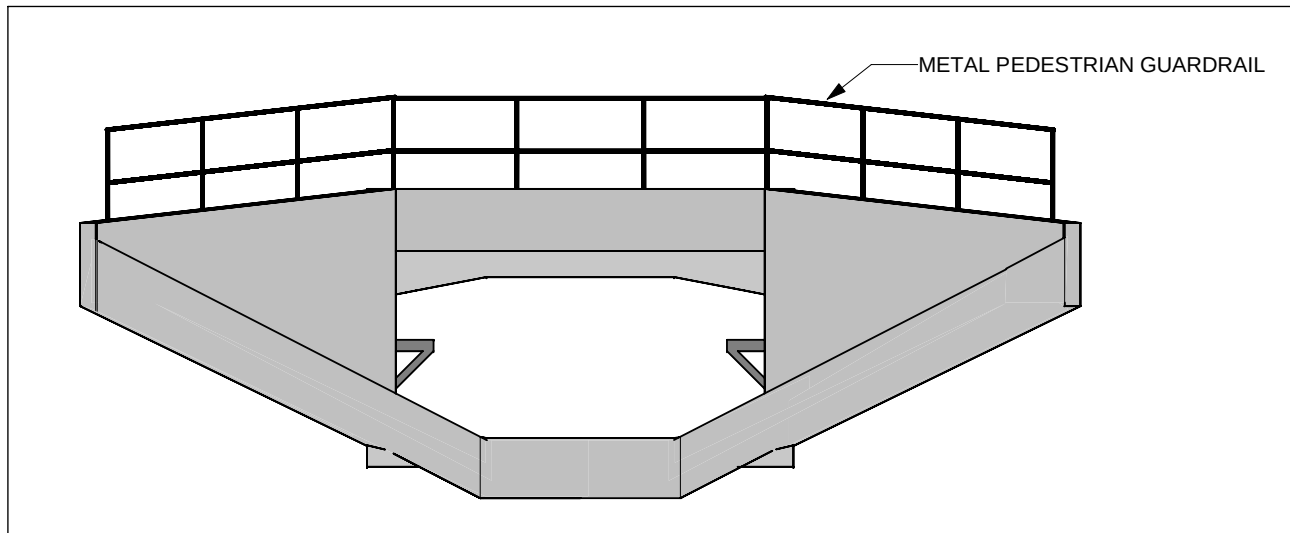
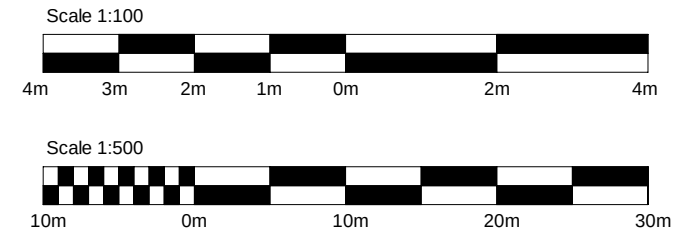
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PLAN
(SCALE 1 : 200)



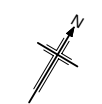
SECTION A-A
(SCALE 1 : 100)



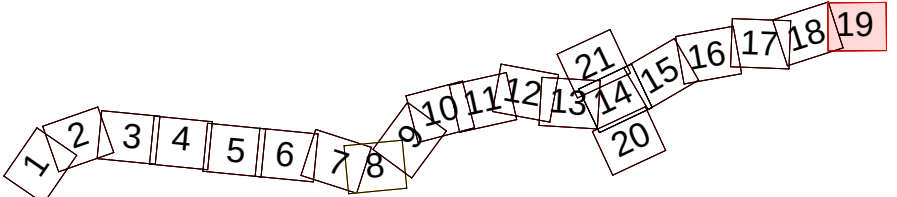
NORTH ELEVATION
(SCALE 1 : 100)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
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KEY PLAN
SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

Development Consent Order Number:	TR010060	Development Consent Order Drawing Number:	TR010060/APP/2.12
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Client



Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
ROMAN RIVER CULVERT - WORK No. 109 - CH. 39363
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 30 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF3
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497

Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	S4
SCHW	DR	S	0030