

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

August 2022

Infrastructure Planning

Planning Act 2008

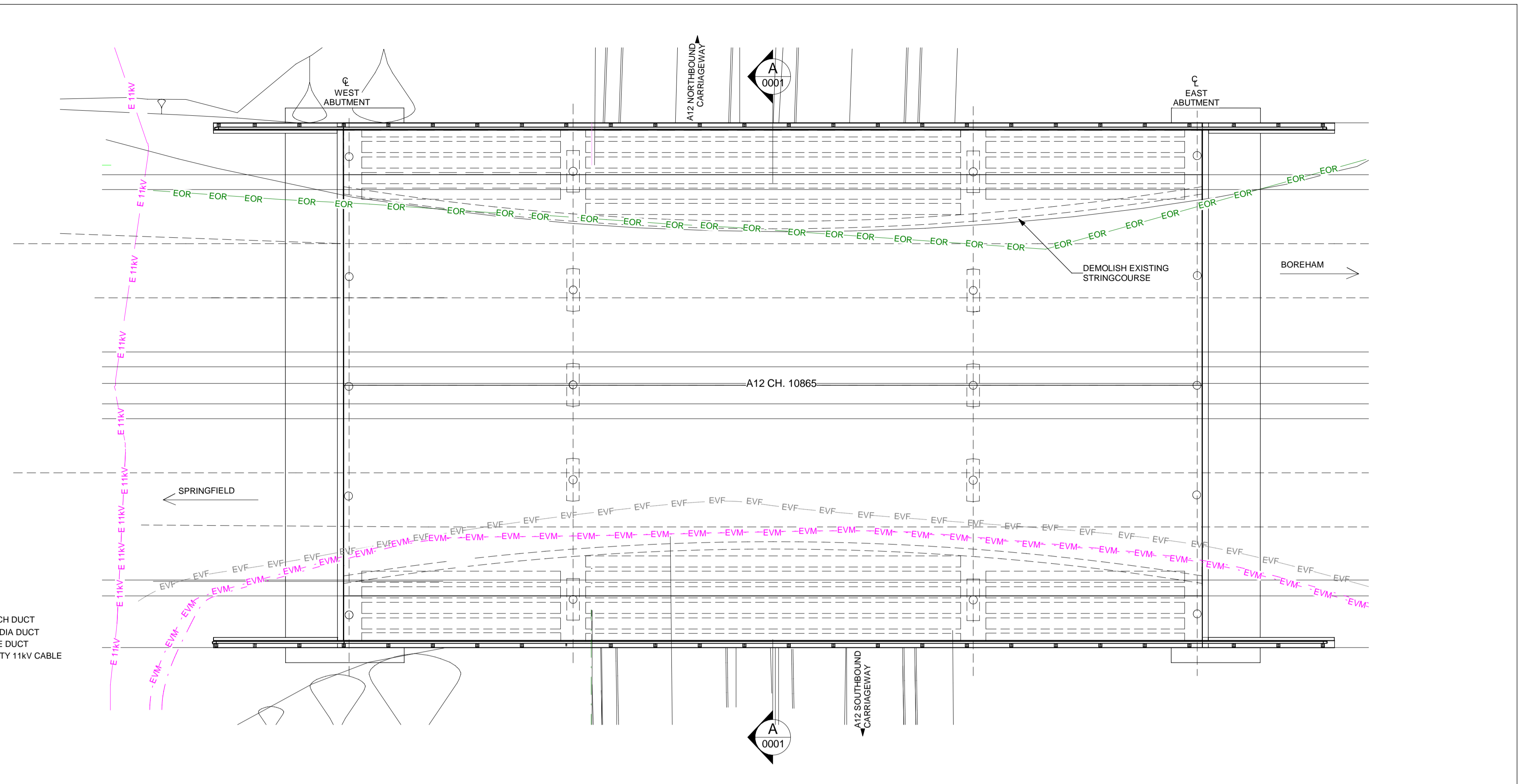
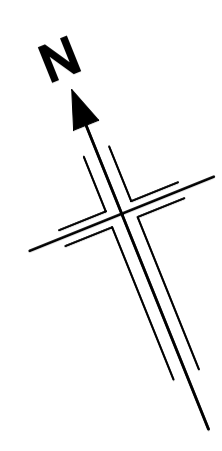
A12 Chelmsford to A120 widening scheme

Development Consent Order 202[]

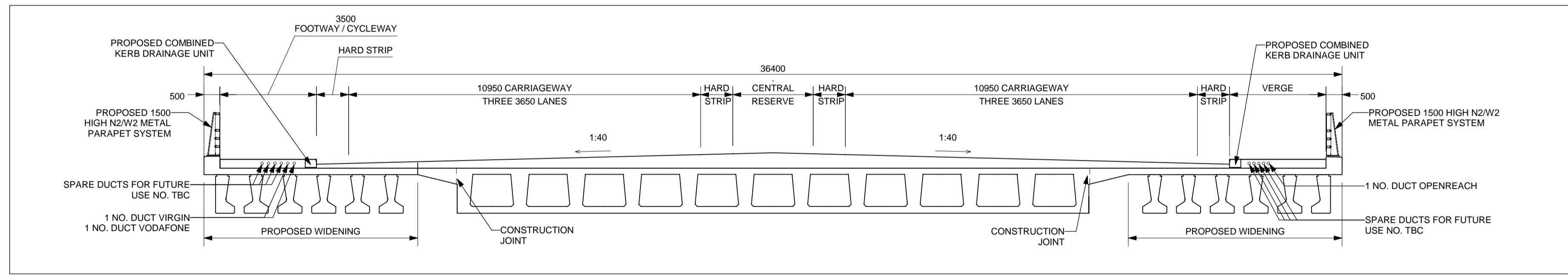
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS PART 2

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

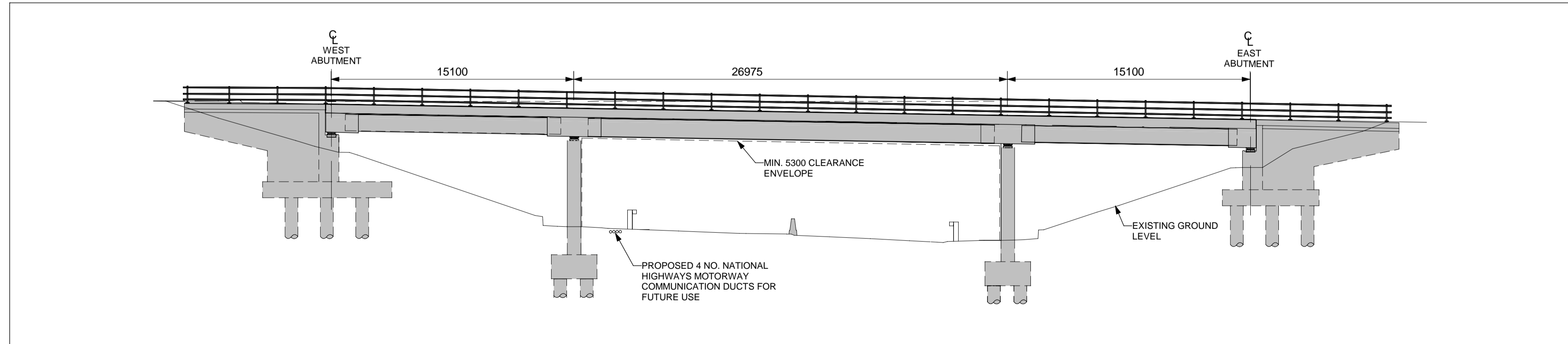
Version	Date	Status of Version
Rev 1	August 2022	DCO Application



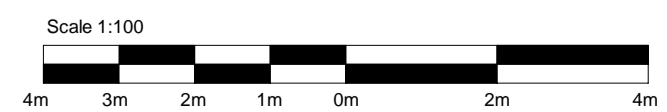
PLAN VIEW
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 100)

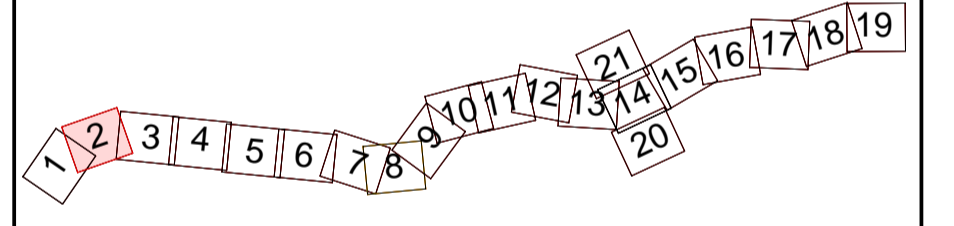


SOUTH ELEVATION
(SCALE 1 : 200)



- 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.



Rev	Rev. Date	Purpose of revision	Drawn	Check'd	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



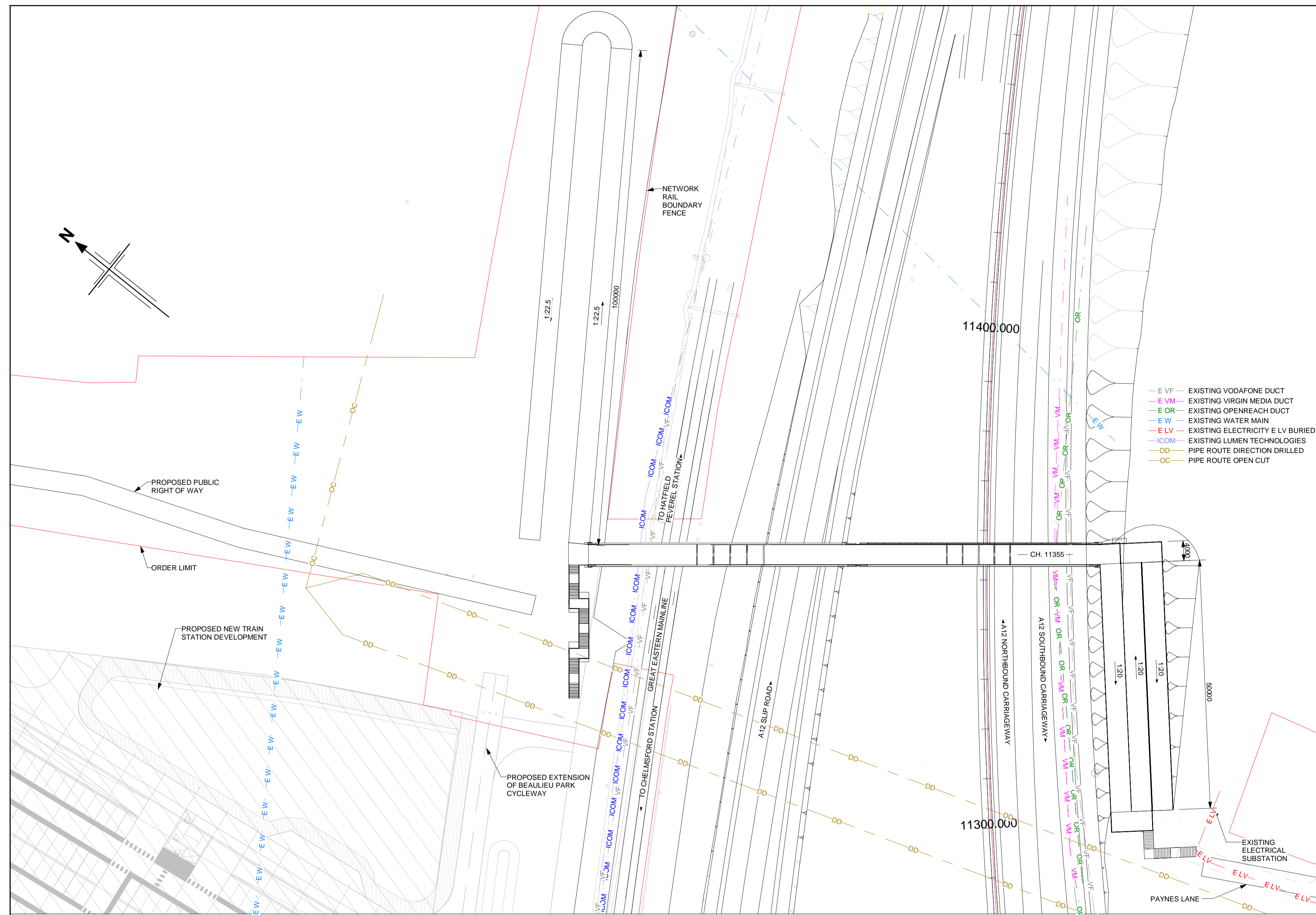
Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

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

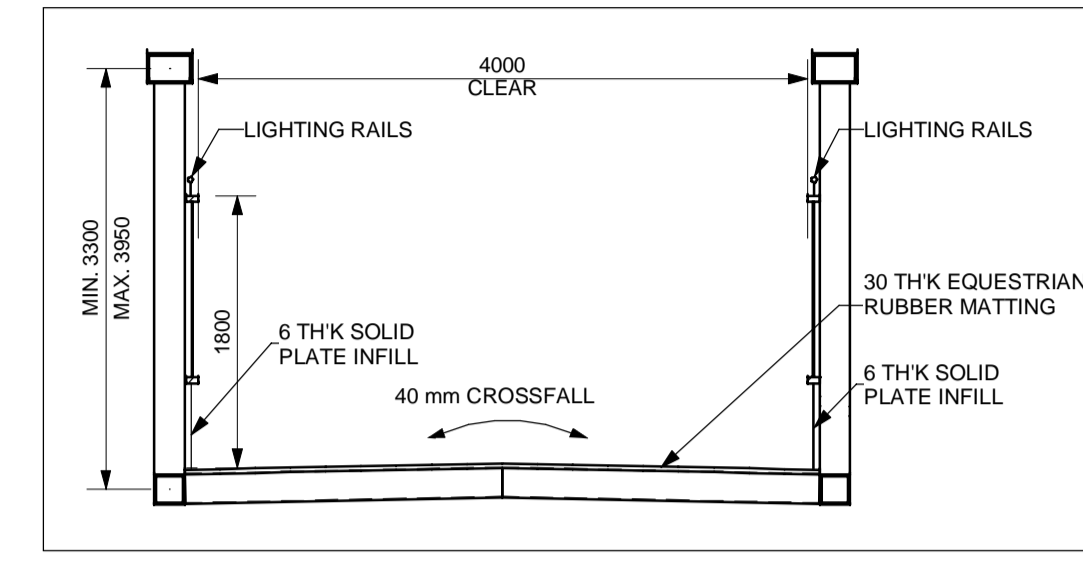
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)		
Purpose of issue	DCO APPLICATION		
State Code	Preliminary		
Project Stage	PCF3	Volume	S4
Scale at A1 (841x594mm)	AS SHOWN	Type	DR
Jacobs No.	B36601D1	Rev	P01
Client no.	HE551497	Role	S

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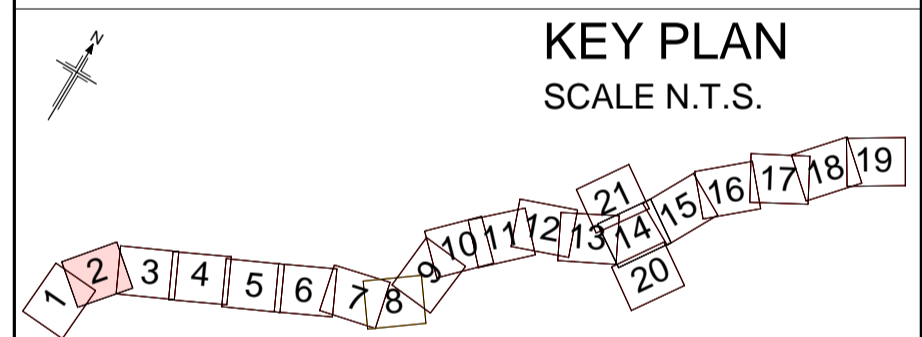


PLAN
(SCALE 1 : 500)



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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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			

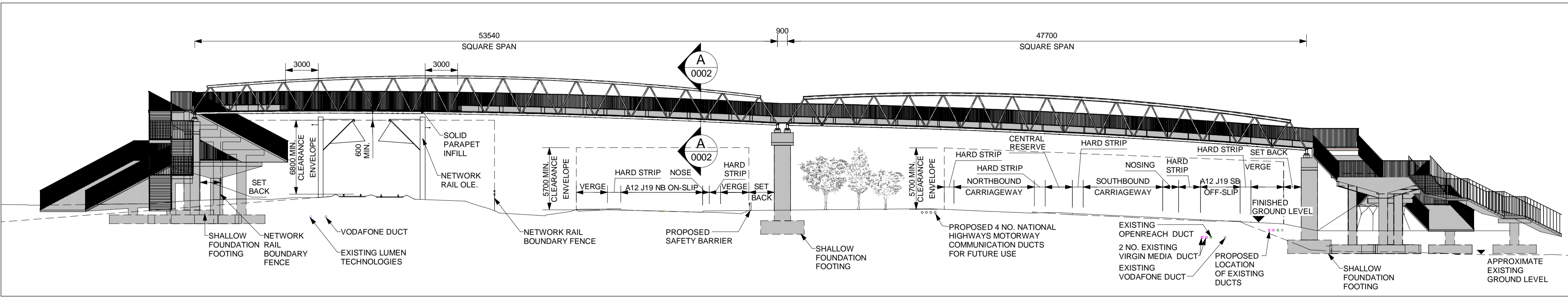


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

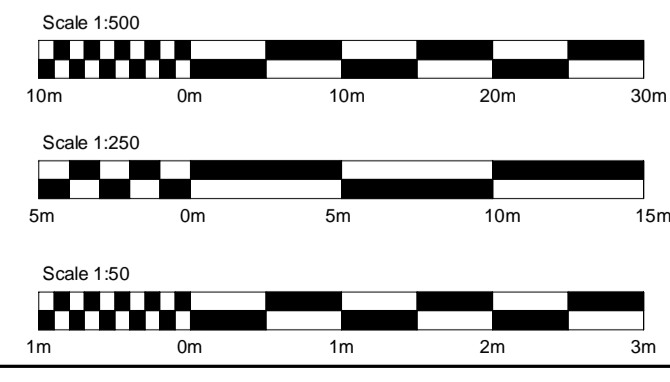
Drawing title
**STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
PAYNES LANE BRIDGE - WORK No. 5 - CH. 11355
(PROPOSED STRUCTURE)
SHEET 2 OF 30**

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
HE551497 | Originator | Volume
JAC | **LDC**
Location | Type | Role | Number
SCHW | **DR** | **S** | **0002**

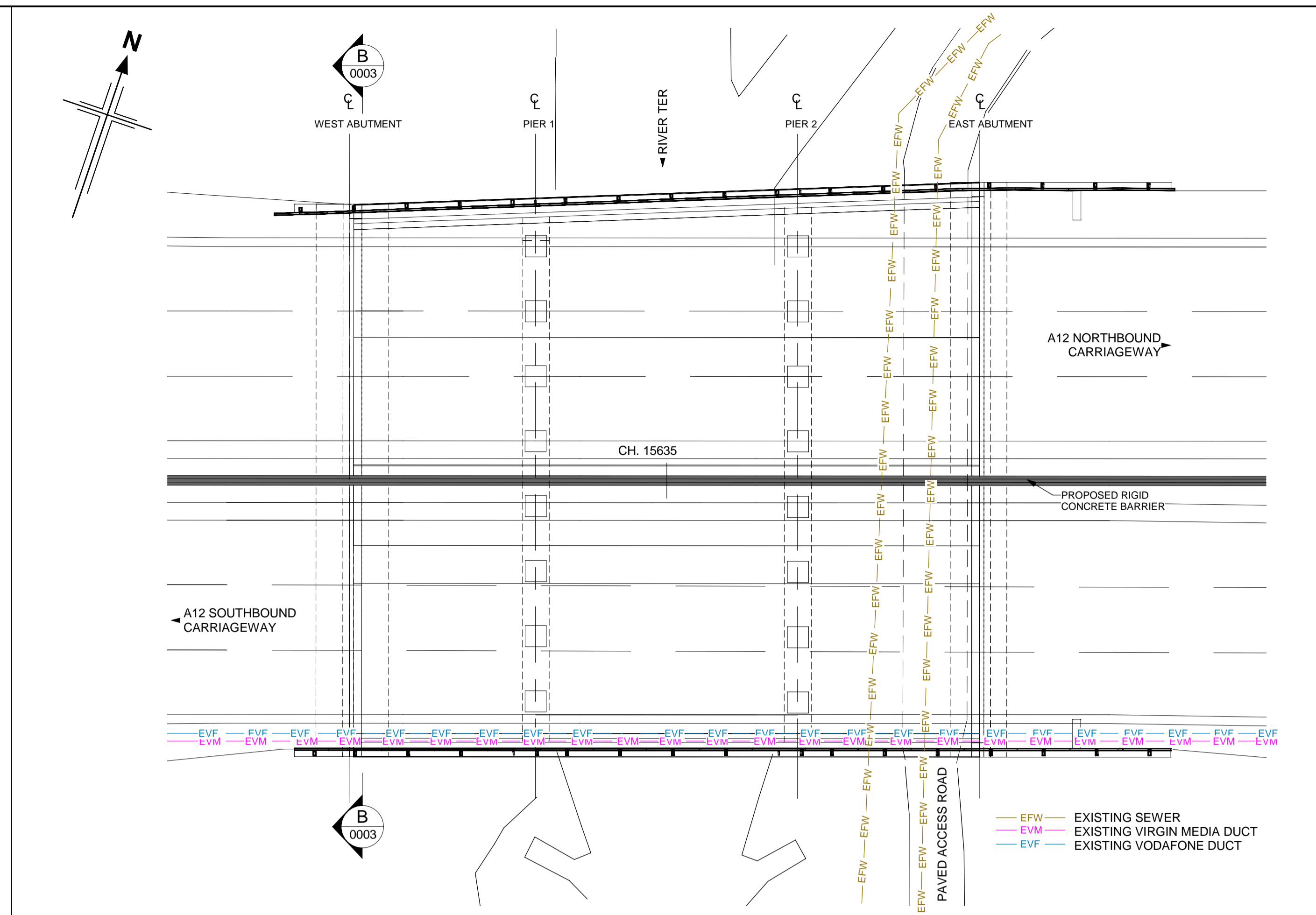


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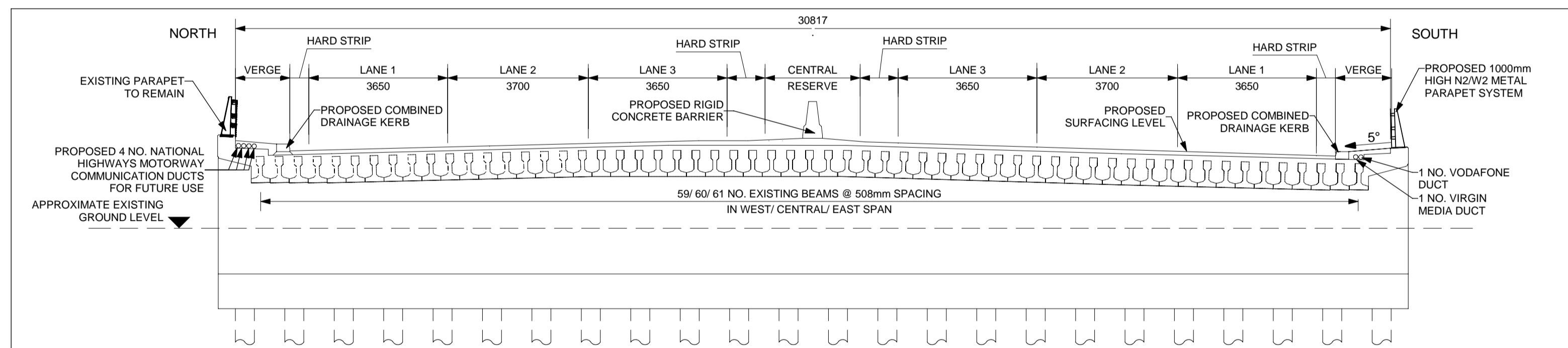


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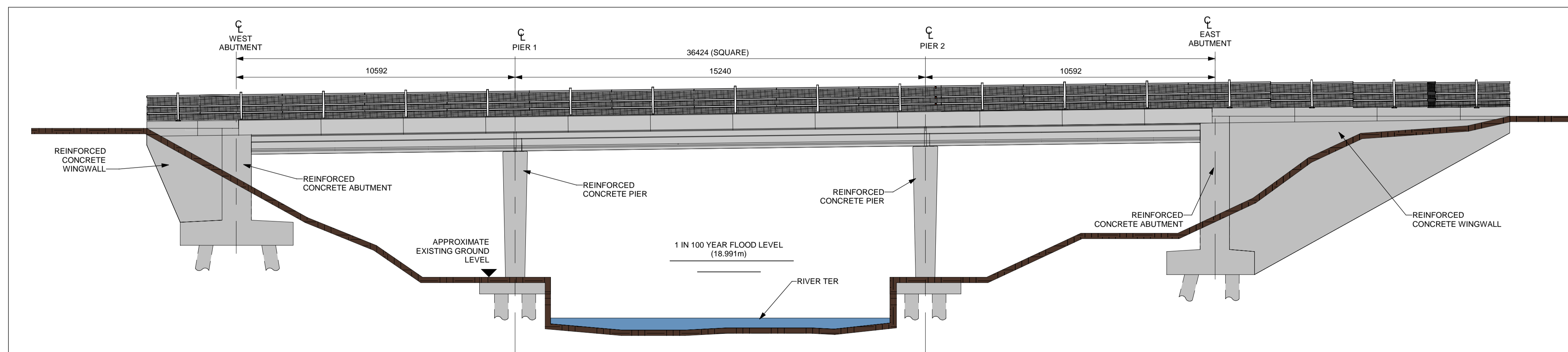
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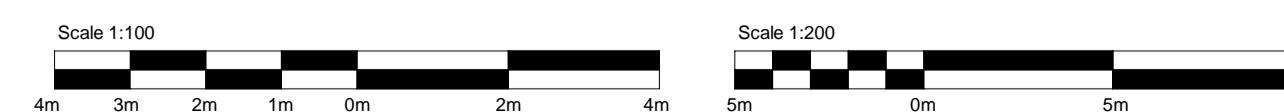
PLAN
(SCALE 1 : 200)



SECTION B-B
(SCALE 1 : 100)

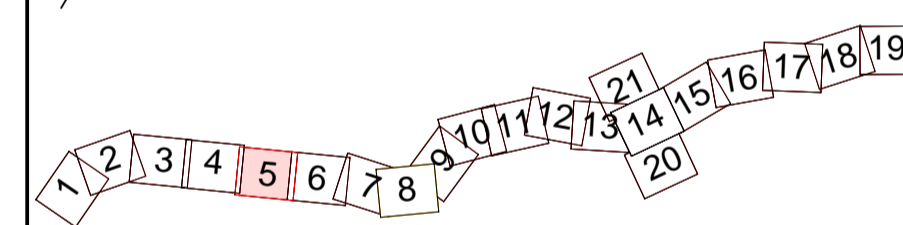


SOUTH ELEVATION
(SCALE 1 : 100)



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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 Checkd 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

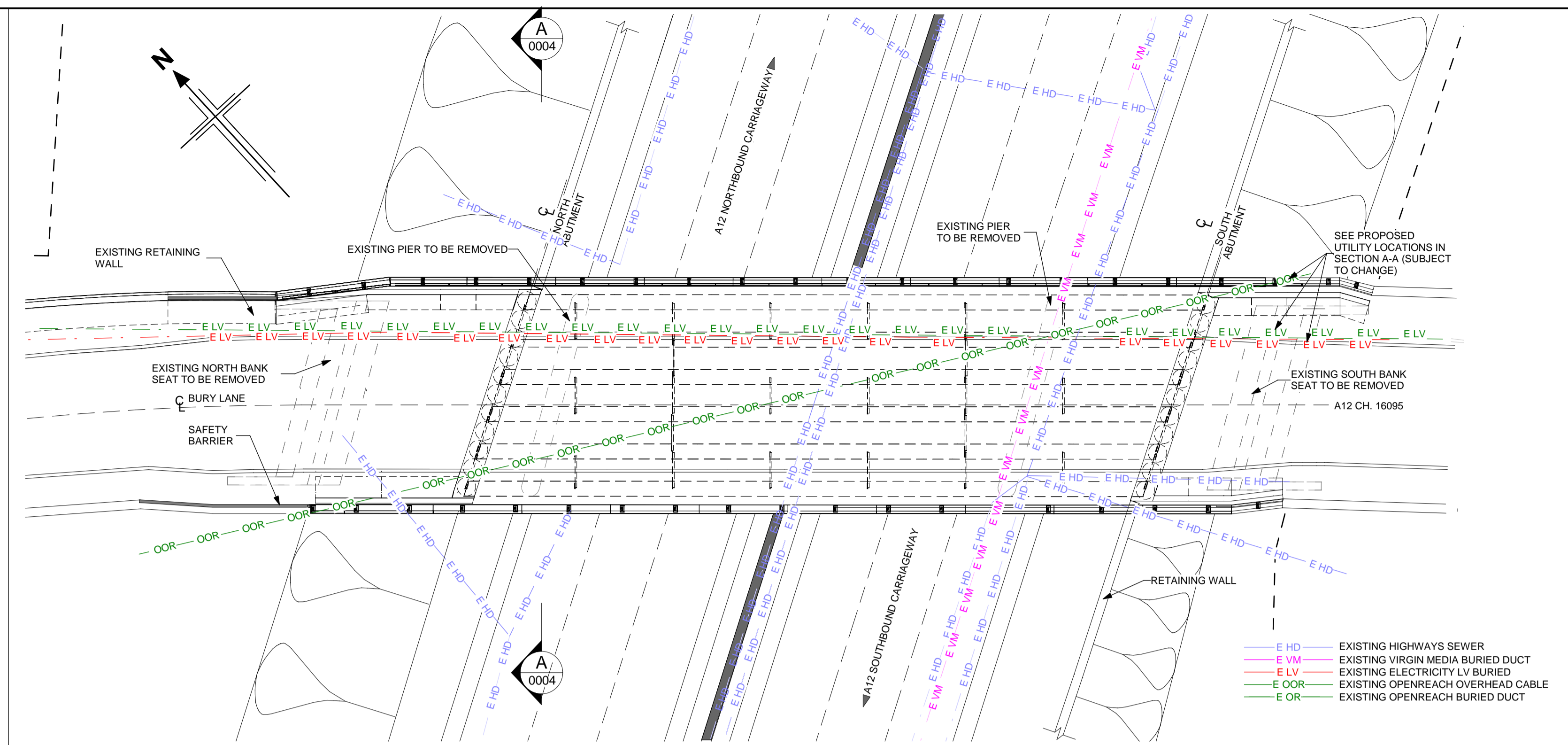
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
RIVER TER UNDERBRIDGE - WORK No. 12(a) - CH. 15635 (EXISTING STRUCTURE - NON-PHYSICAL WIDENING)
SHEET 3 OF 30

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

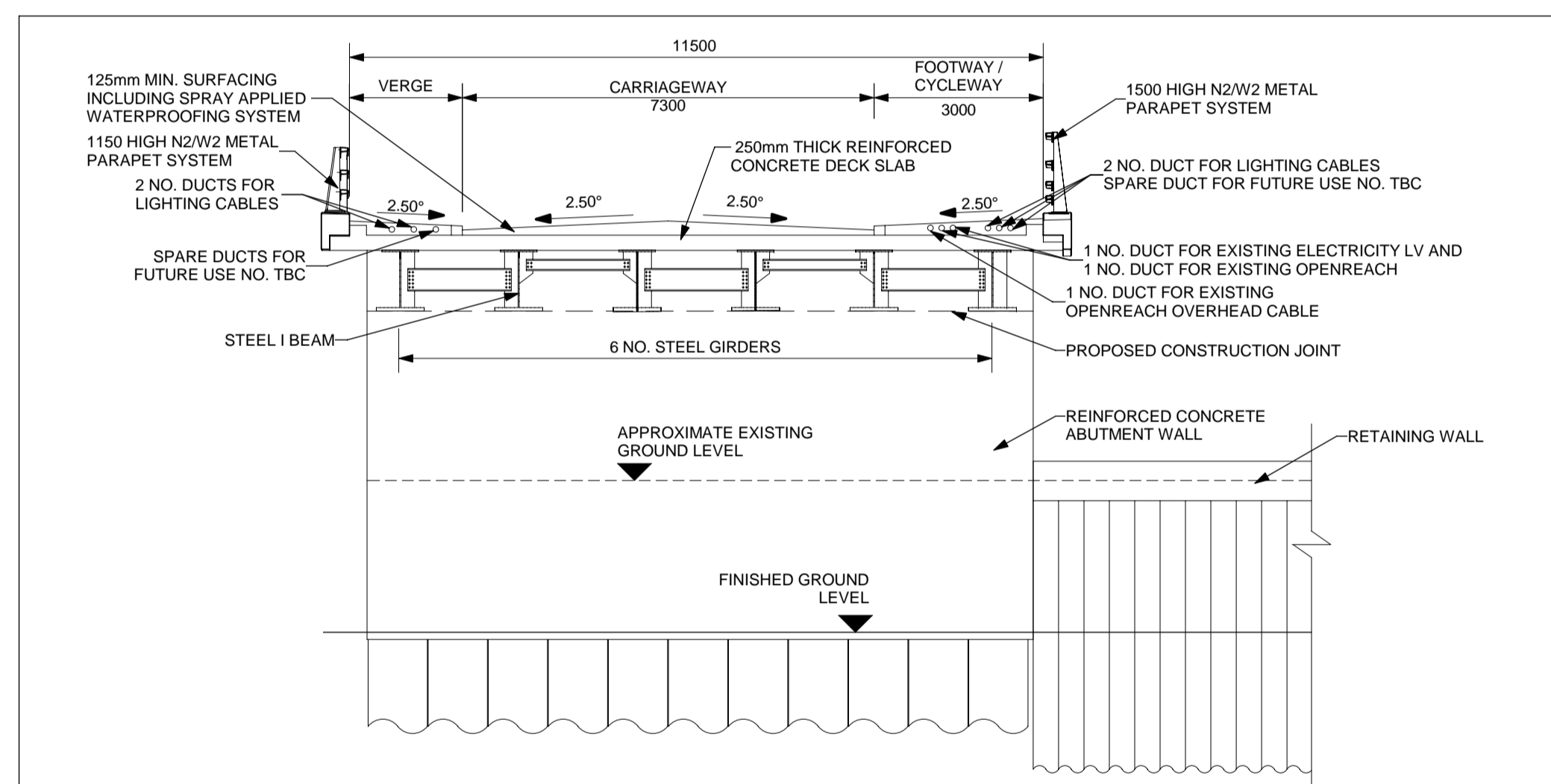
Drawing number PIN: HE551497 Originator: JAC Volume: LDC
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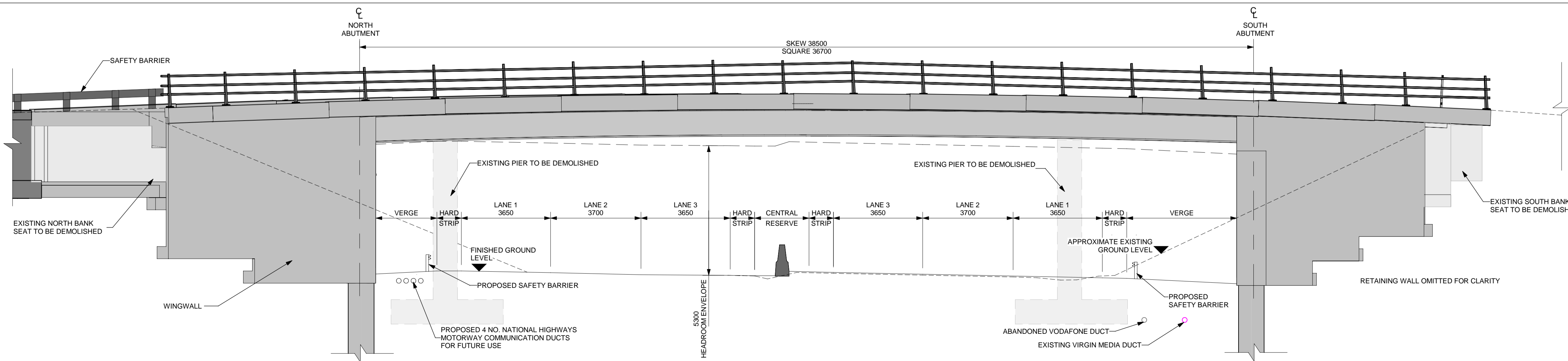
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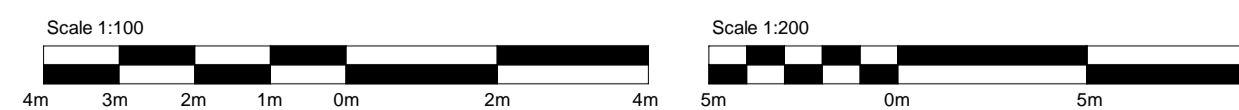
PLAN
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SECTION A-A
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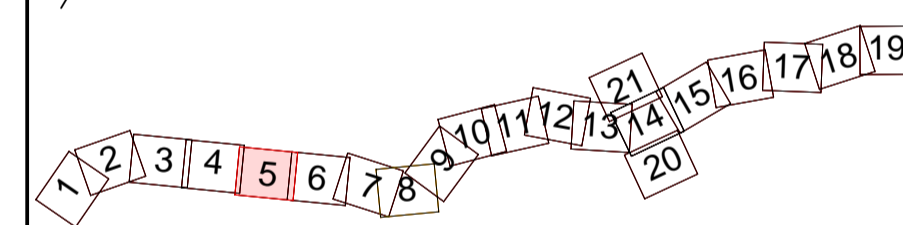


WEST ELEVATION
(SCALE 1:100)



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KEY PLAN
SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Check'd	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

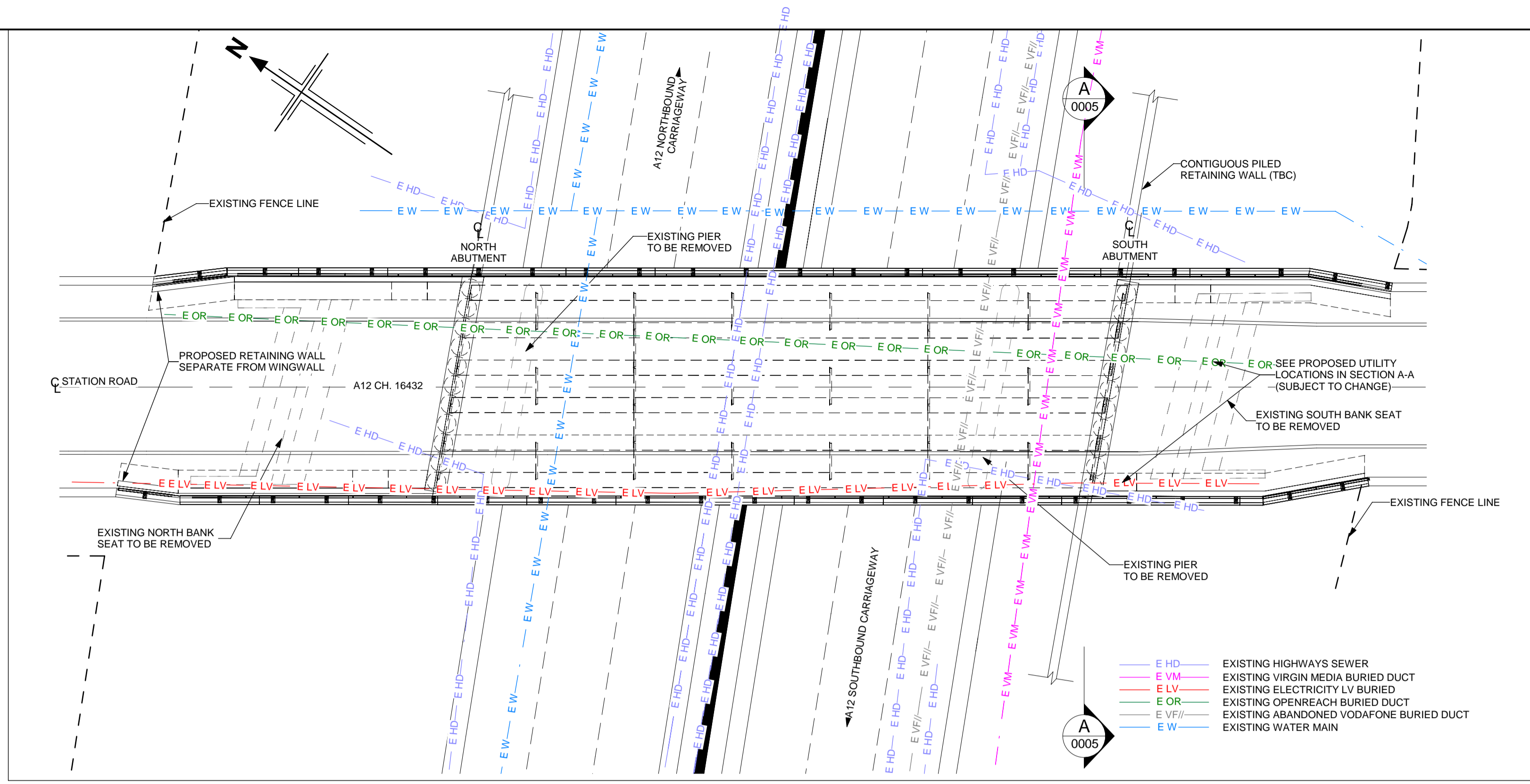
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
BURY LANE OVERBRIDGE REPLACEMENT - WORK No. 9
- CH. 16095
(PROPOSED STRUCTURE)
SHEET 4 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)		
Purpose of issue	DCO APPLICATION		
State Code	Preliminary		
Project Stage	PCF3	AS SHOWN	AS SHOWN
Scale at A1 (841x594mm)	S4		
Jacobs No.	B36601D1	Rev	P01
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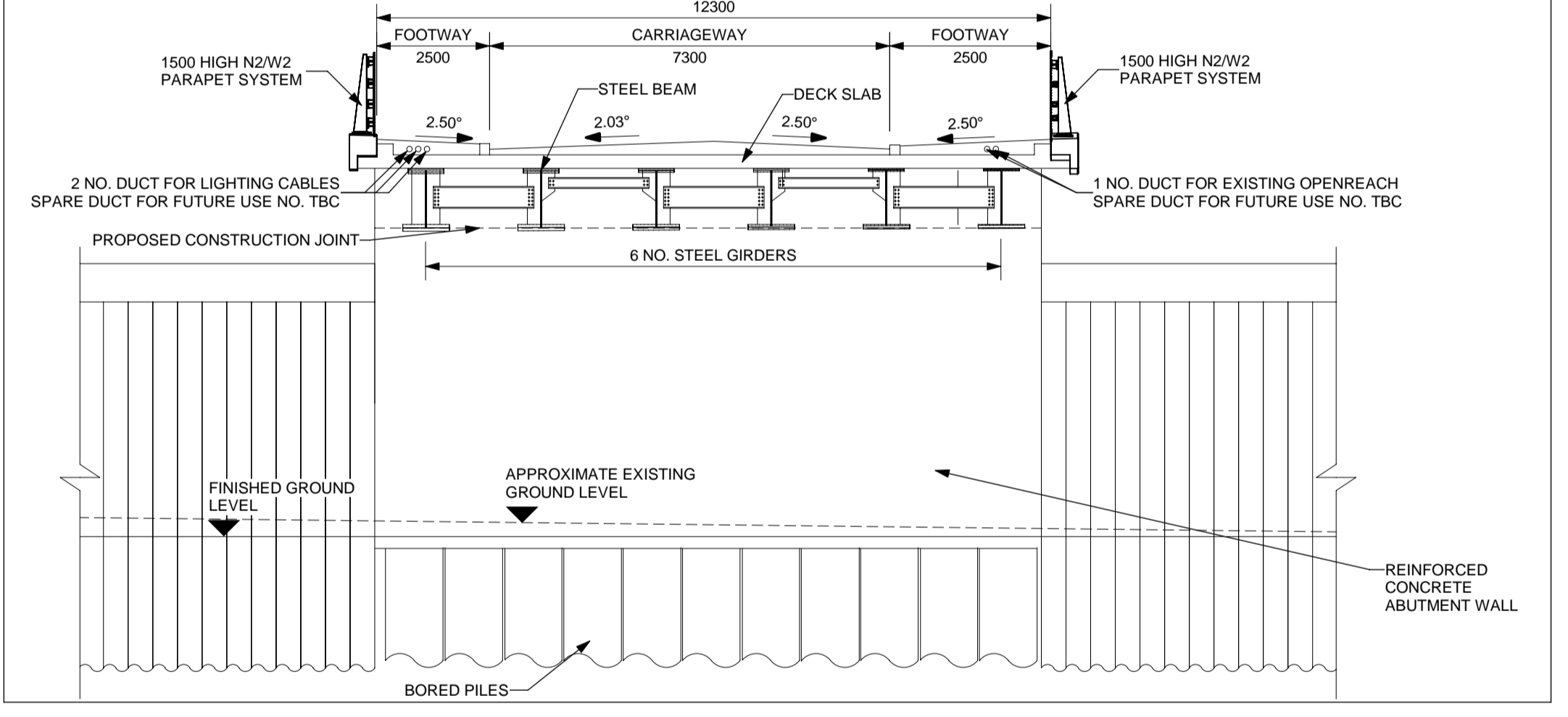
Drawing number: HE551497
Originator: JAC
Volume: LDC
Location: SCHW
Type: DR
Role: S
Number: 0004

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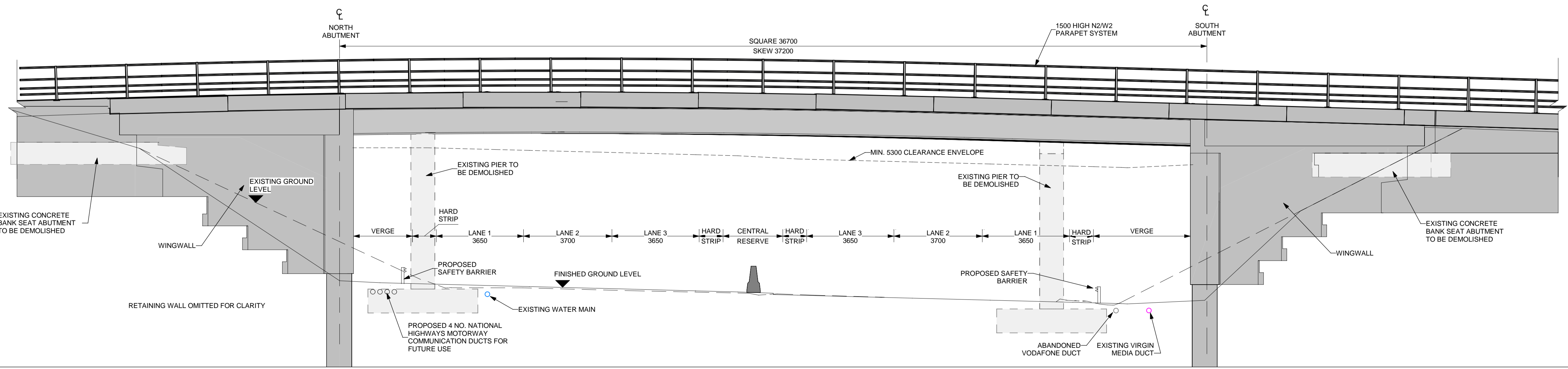
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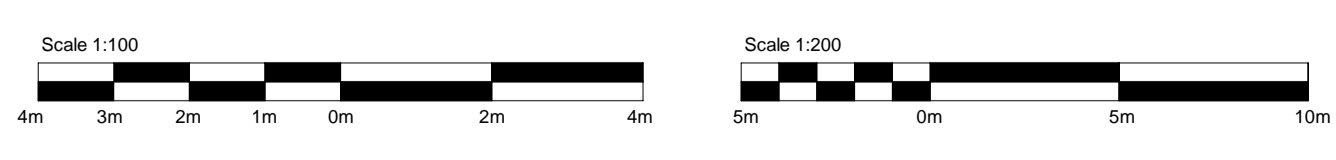
PLAN
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SECTION A-A
(SCALE 1 : 100)

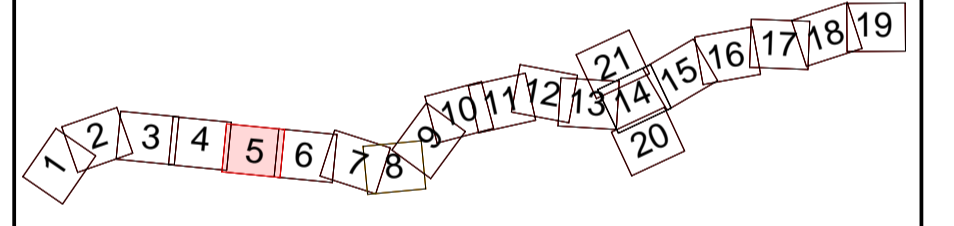


WEST ELEVATION
(SCALE 1 : 100)



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KEY PLAN
SCALE N.T.S.



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
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Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12



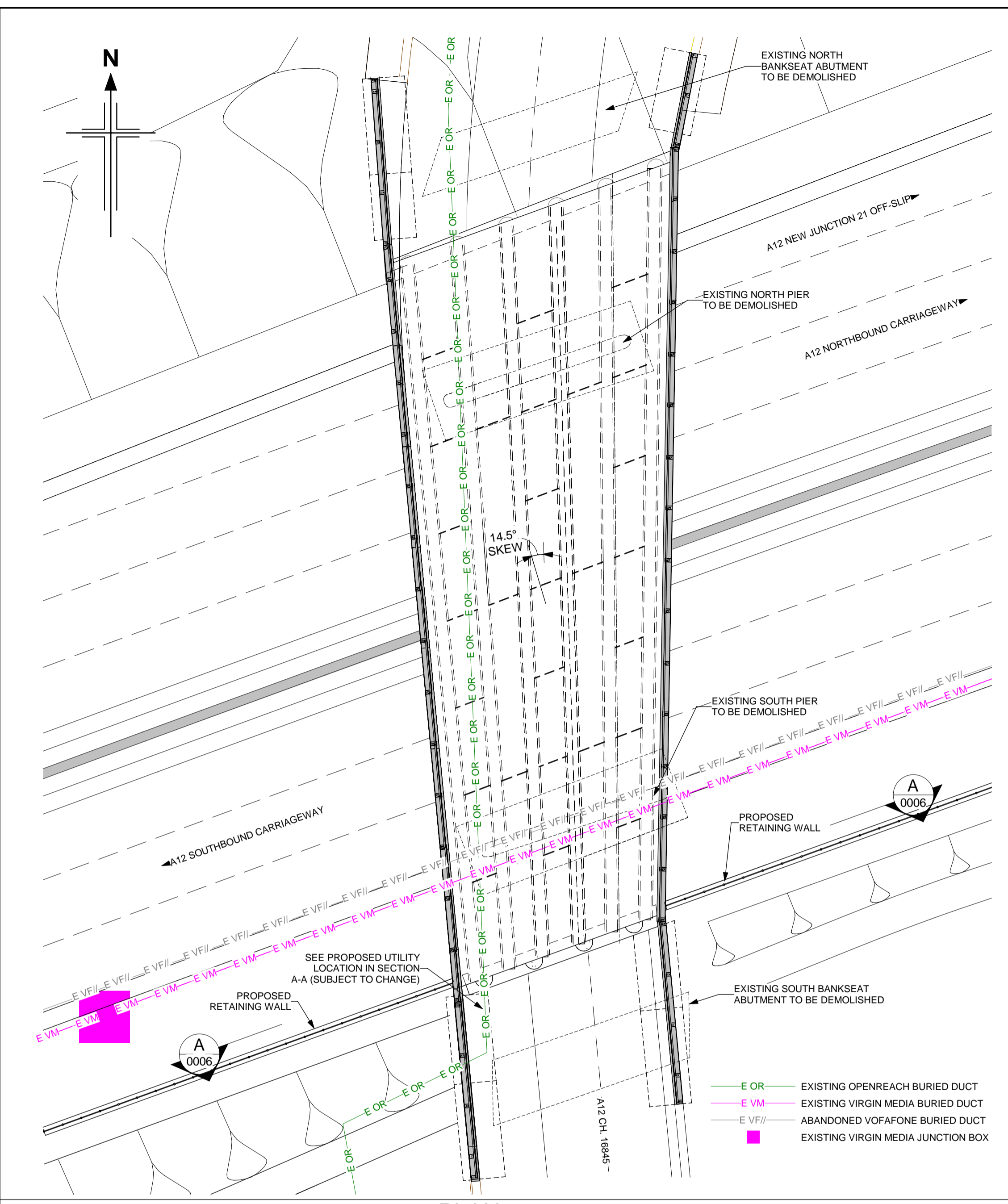
Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
**STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
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		
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Project Stage	PCF3	AS SHOWN	S4
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Client no.	HE551497		

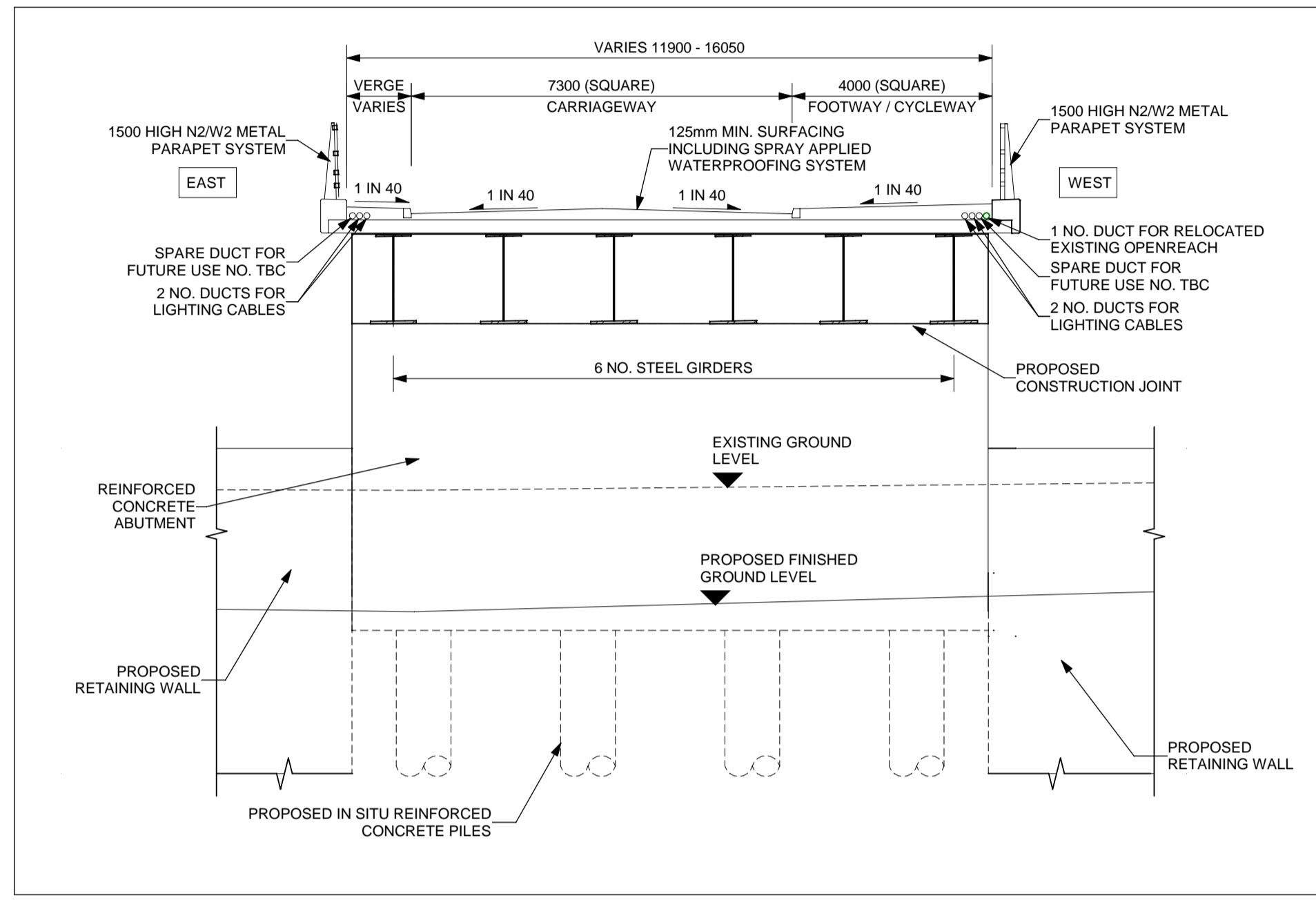
Drawing number: HE551497
Originator: JAC
Volume: LDC
Location: SCHW
Type: DR
Role: S
Number: 0005

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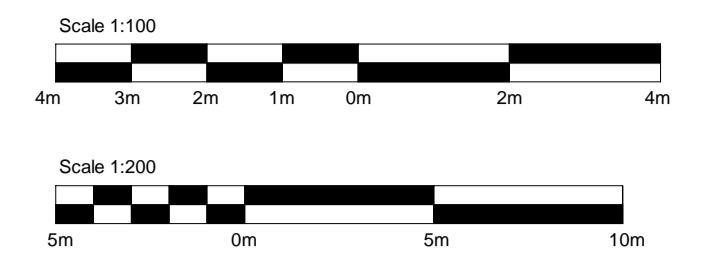


PLAN
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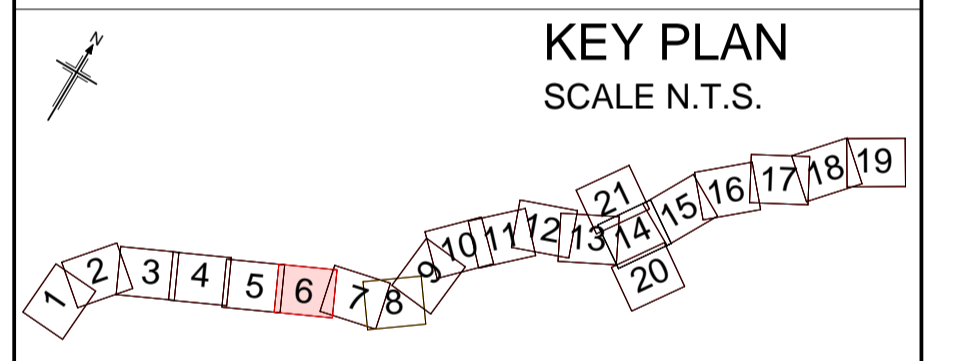
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- E VM - EXISTING VIRGIN MEDIA BURIED DUCT
- E VFII - ABANDONED VODAFONE BURIED DUCT
- - EXISTING VIRGIN MEDIA JUNCTION BOX



SECTION A-A
(SCALE 1 : 100)



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

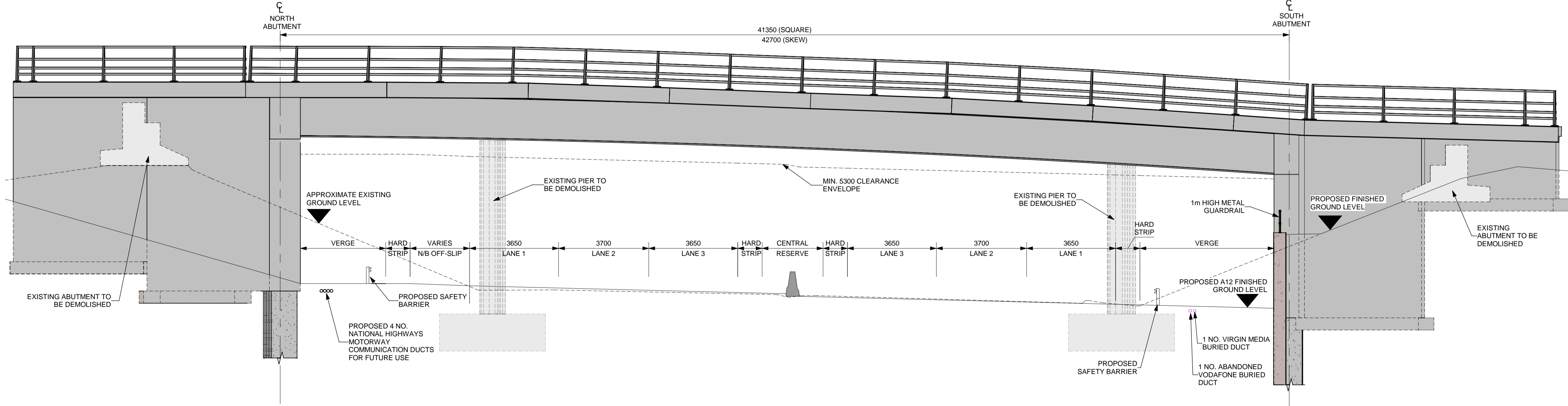
Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12



Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

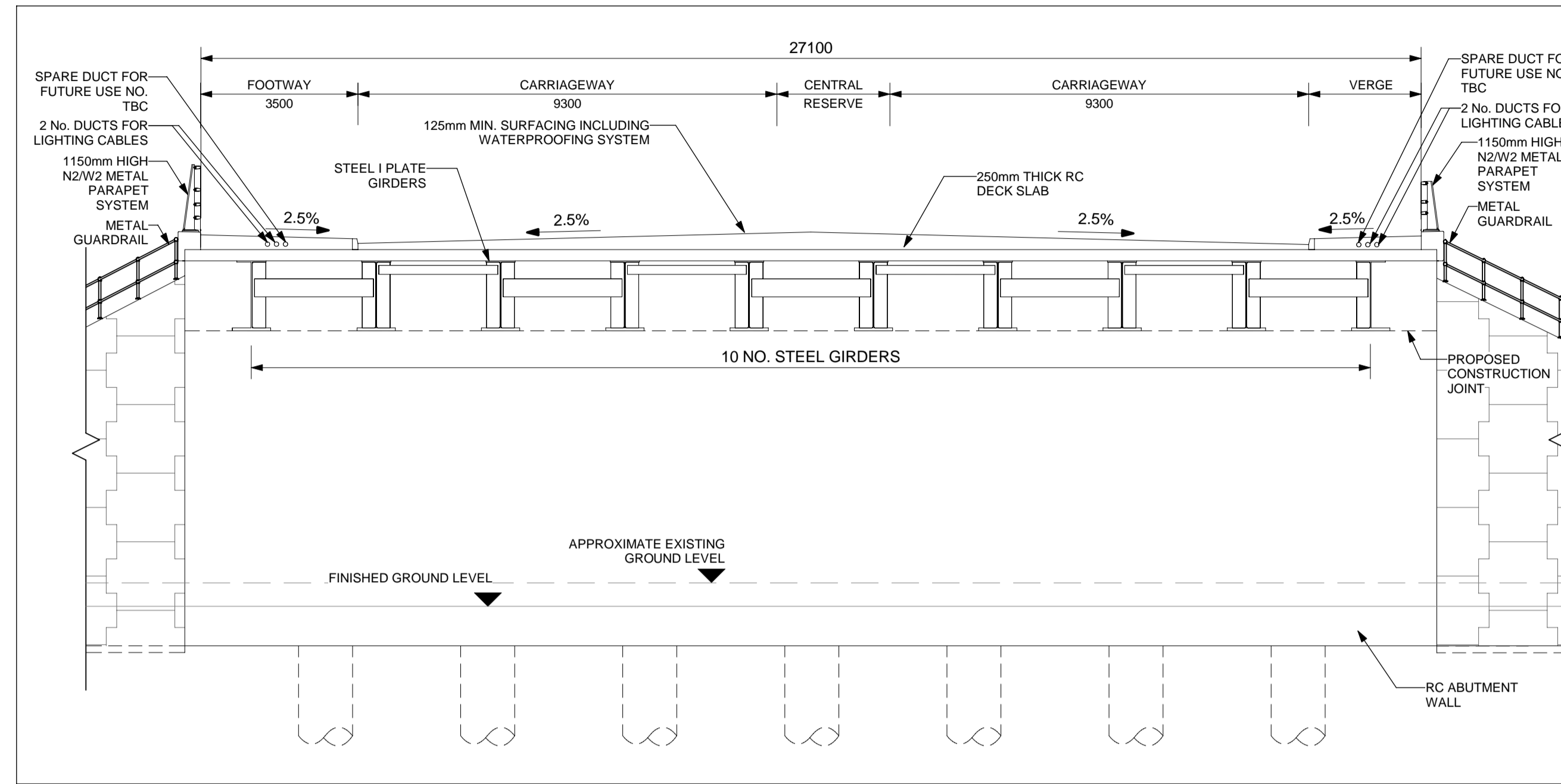
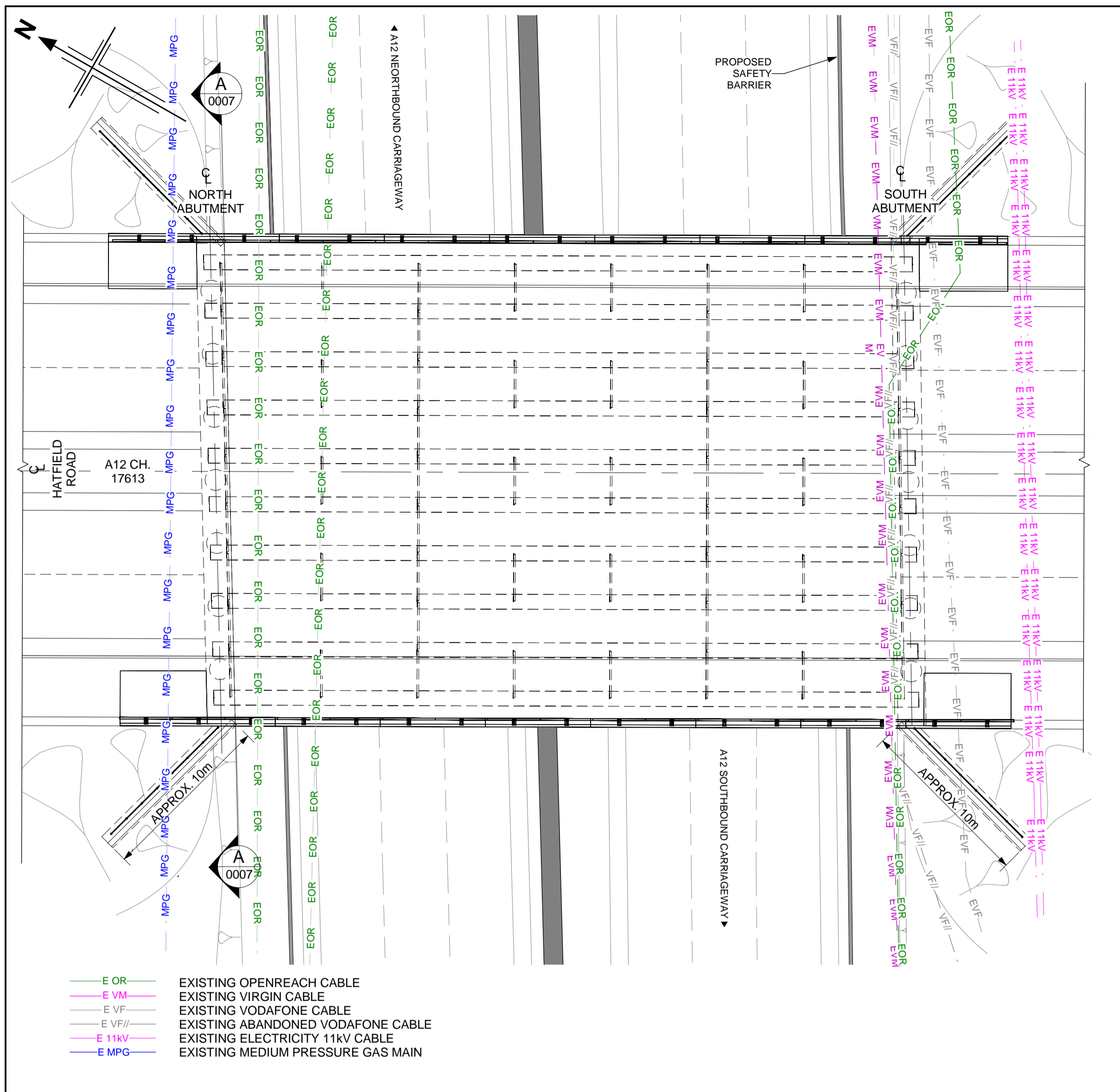
Drawing title
**STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
WELLINGTON ROAD BRIDGE REPLACEMENT - WORK No. 18(b) - CH. 16845
(PROPOSED STRUCTURE)
SHEET 6 OF 30**

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	Rev	20
Jacobs No.	B36601D1	Rev	P01
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Drawing number	PIN	Originator	Volume
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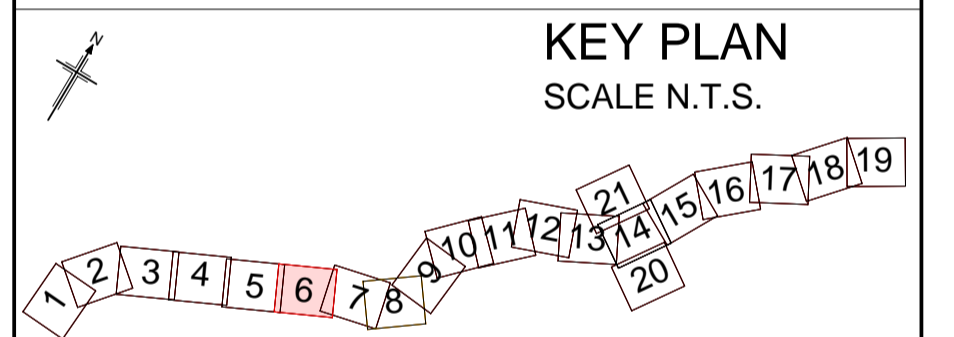


WEST ELEVATION
(SCALE 1 : 100)

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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

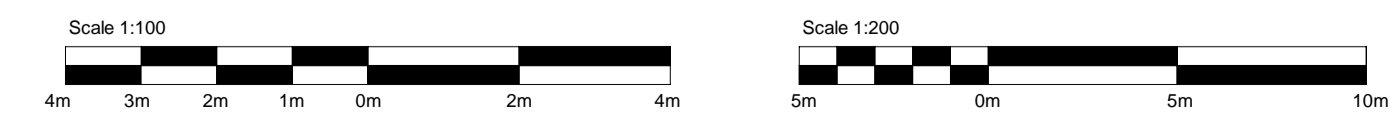
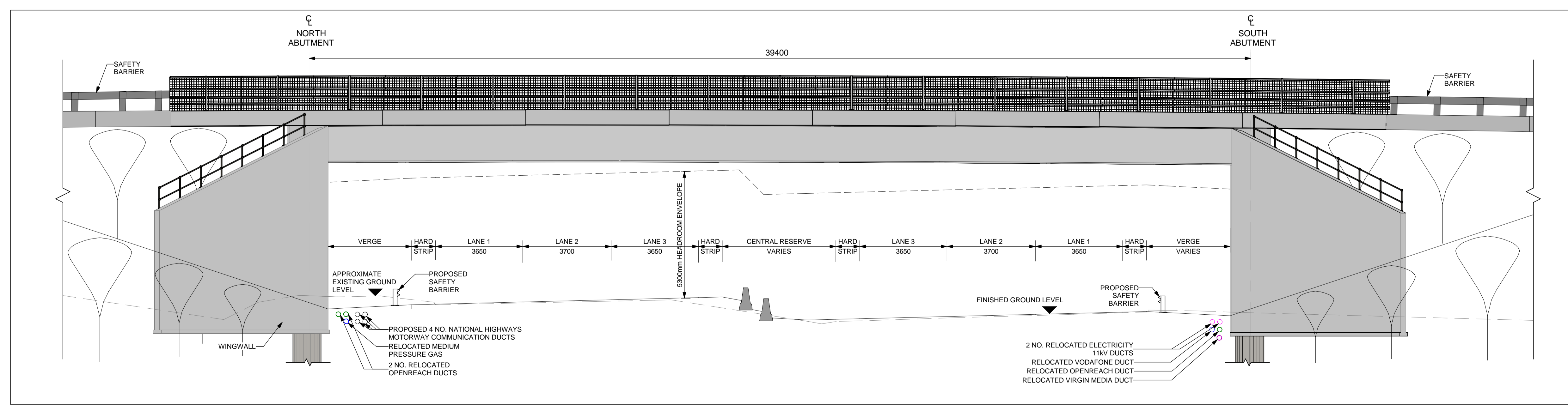


Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

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)(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: HE551497
Originator: JAC
Volume: LDC
Location: SCHW
Type: DR
Role: S
Number: 0007

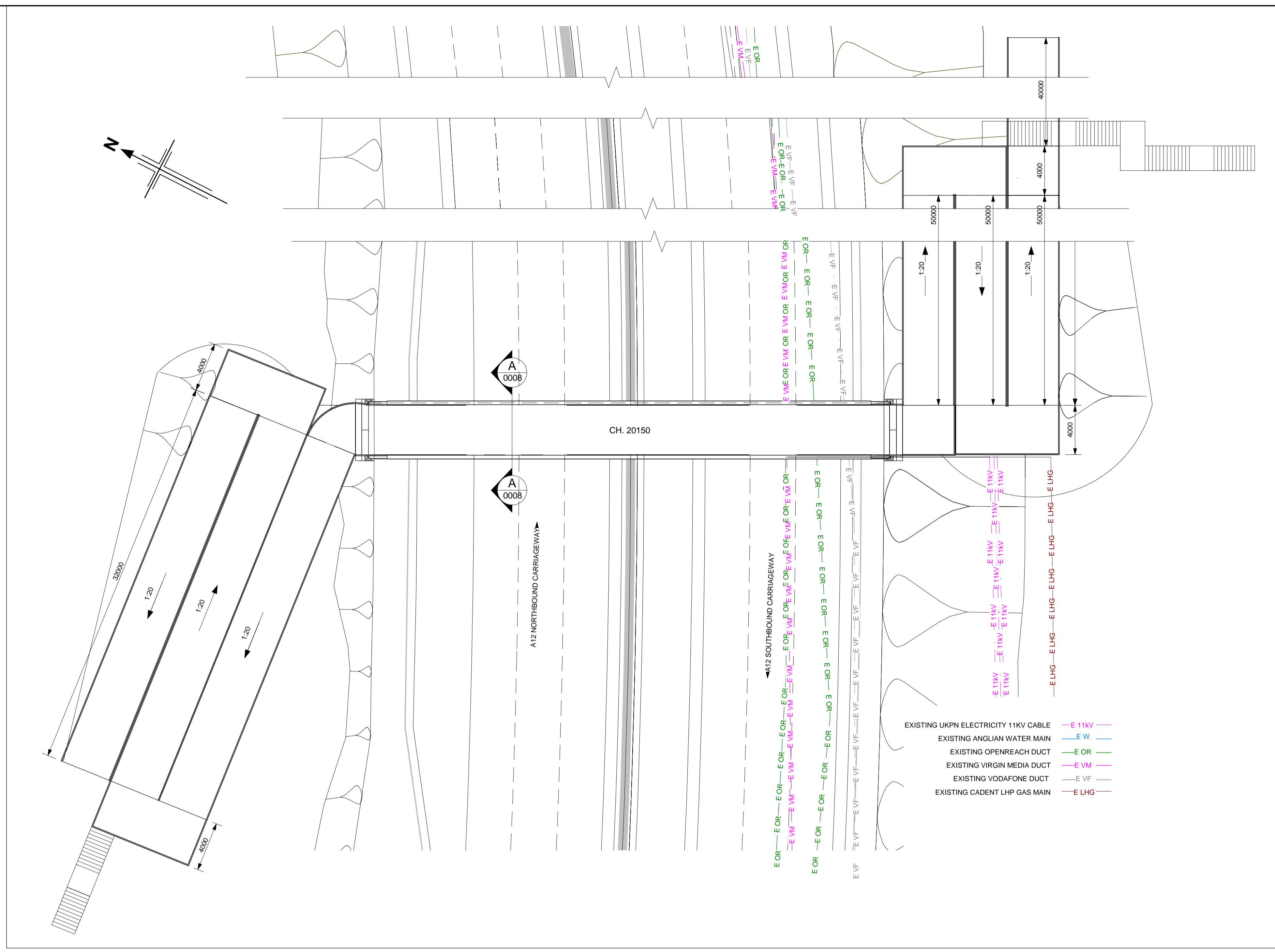


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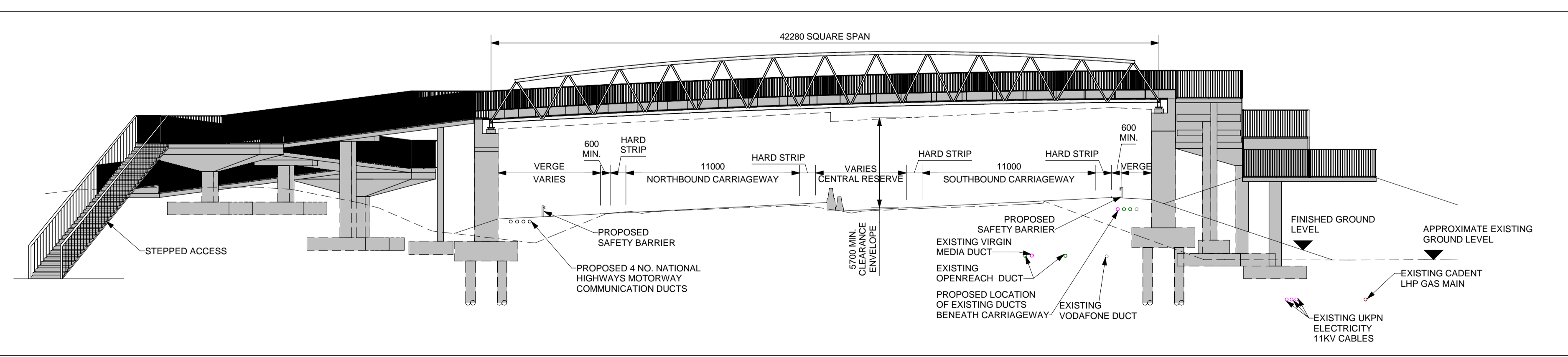
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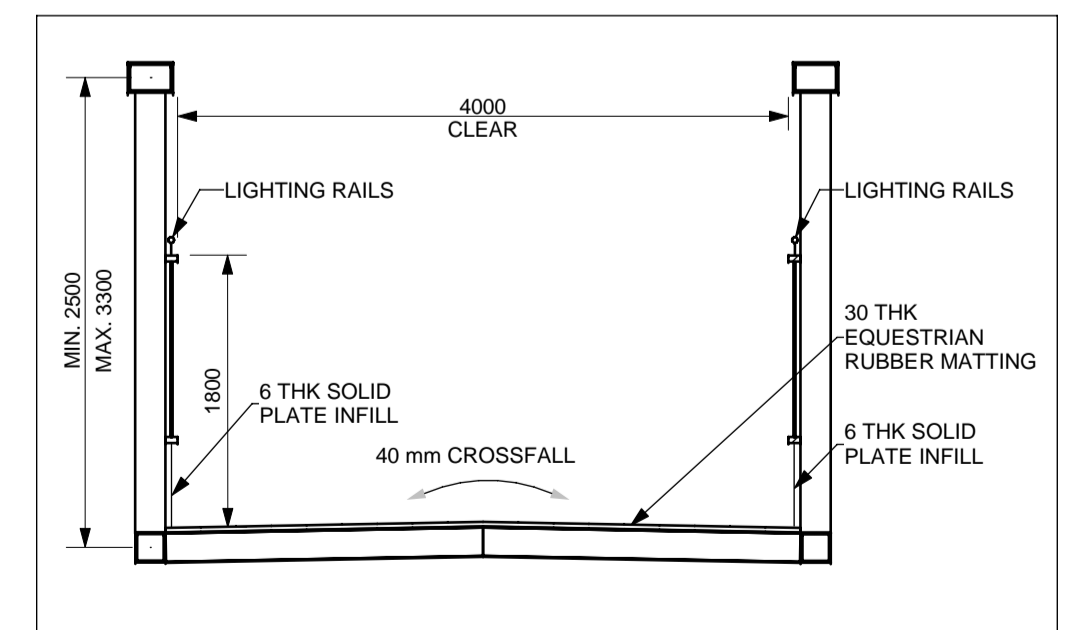
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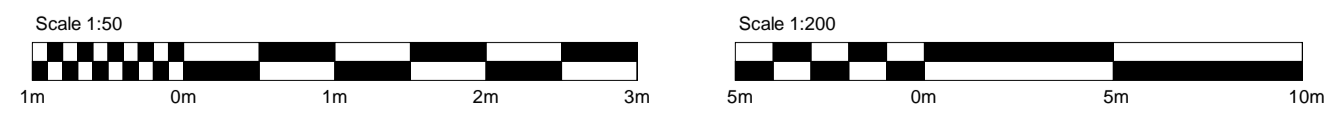
PLAN
(SCALE 1 : 200)



SOUTH ELEVATION
(SCALE 1 : 200)

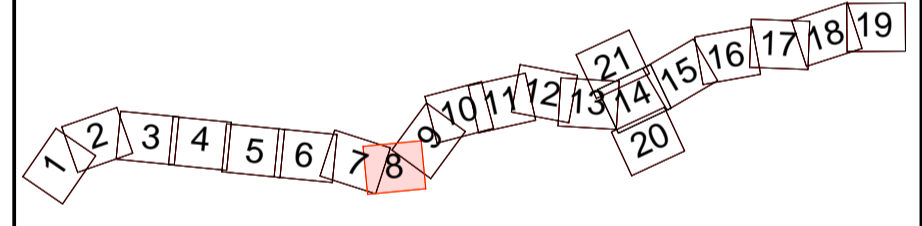


SECTION A-A
(SCALE 1 : 50)



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- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 - ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
 - 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	Check'd	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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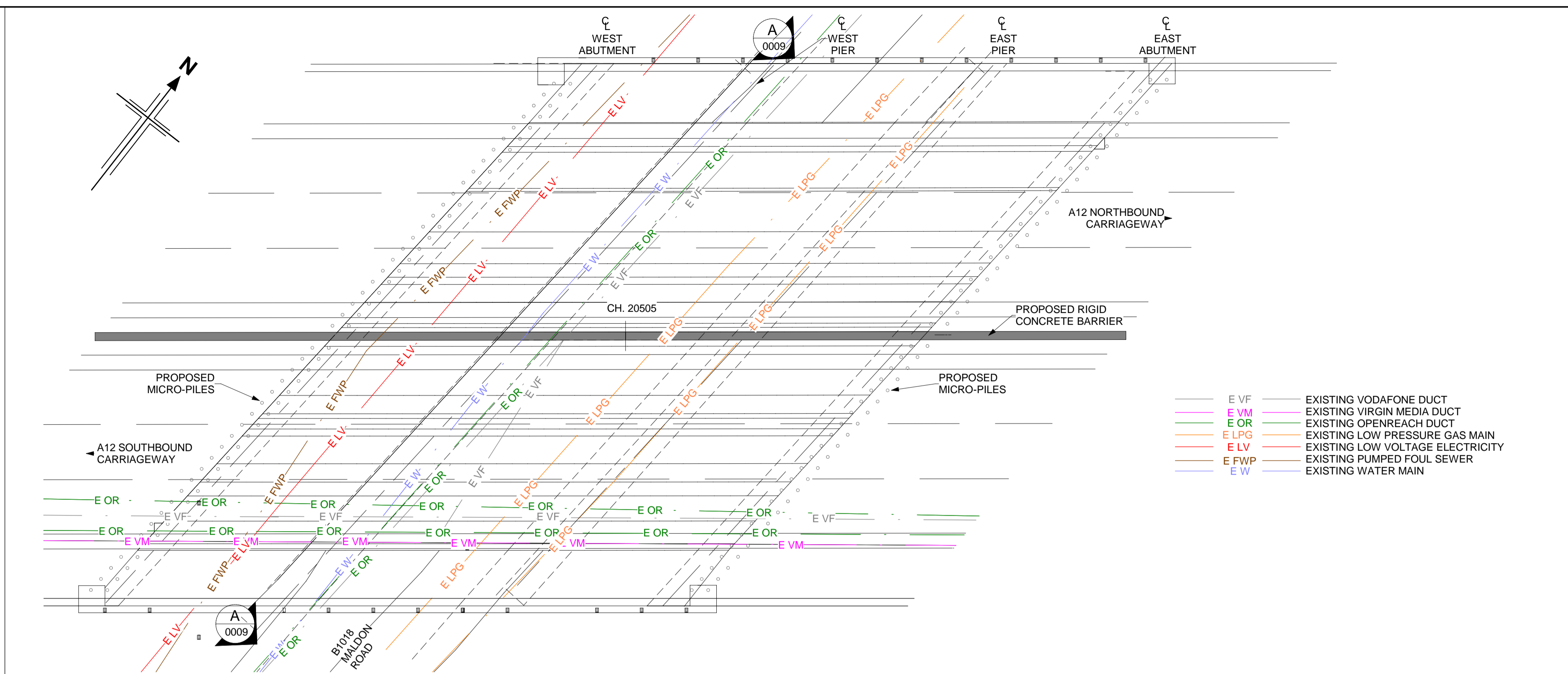


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

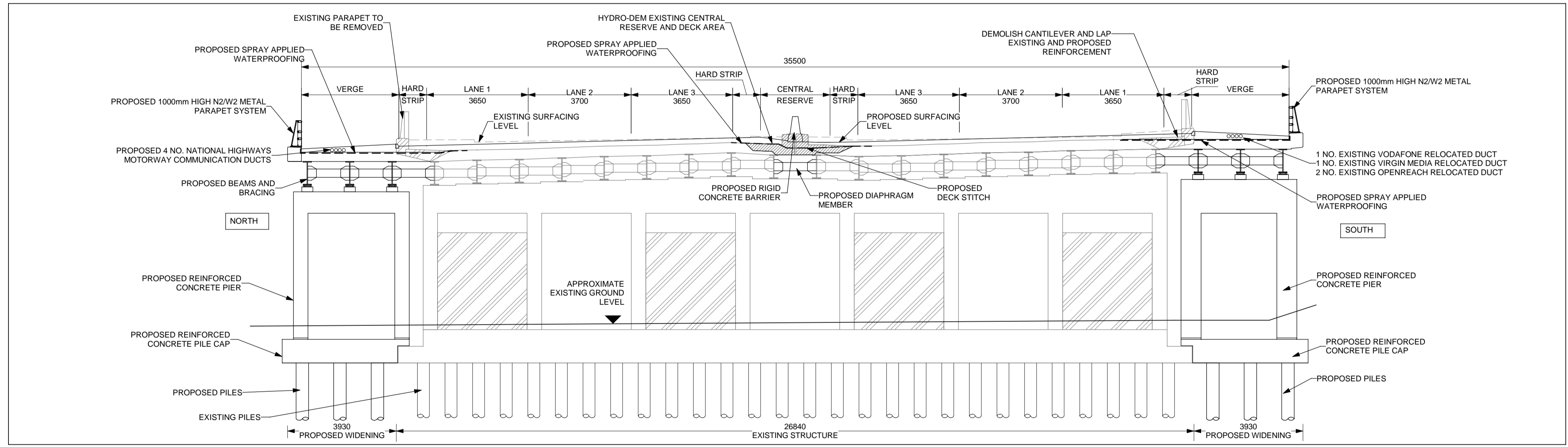
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
GERSHWIN BOULEVARD BRIDGE - WORK No. 27 - CH. 20150 (PROPOSED STRUCTURE)
SHEET 8 OF 30

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

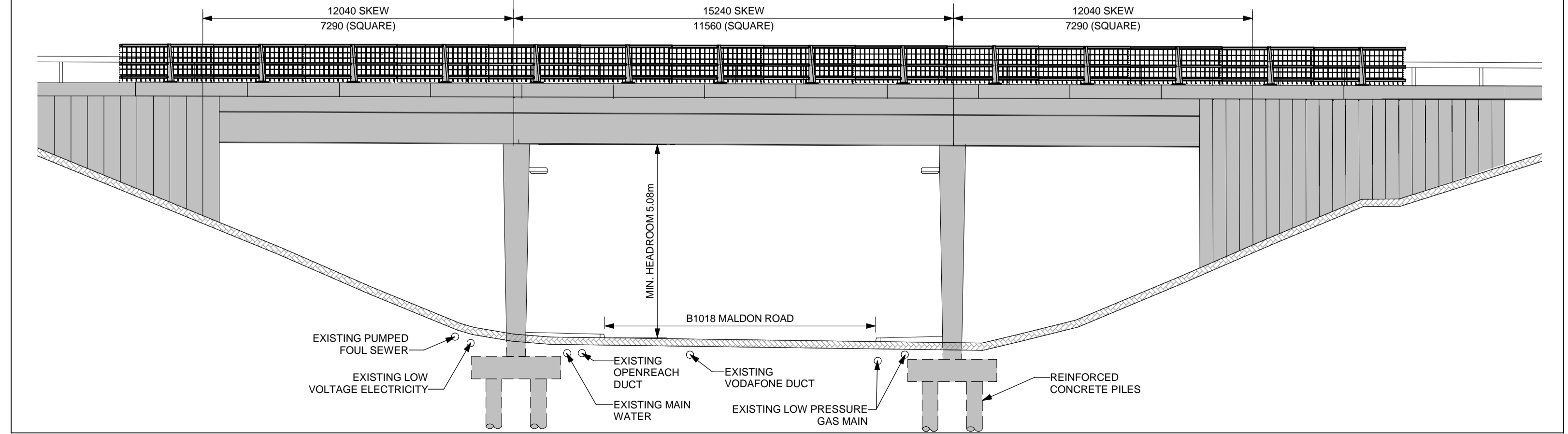
Drawing number	Originator	Volume
HE551497	JAC	LDC
Location	Type	Role
SCHW	DR	S
	Number	
	0008	



PLAN
(SCALE 1 : 200)



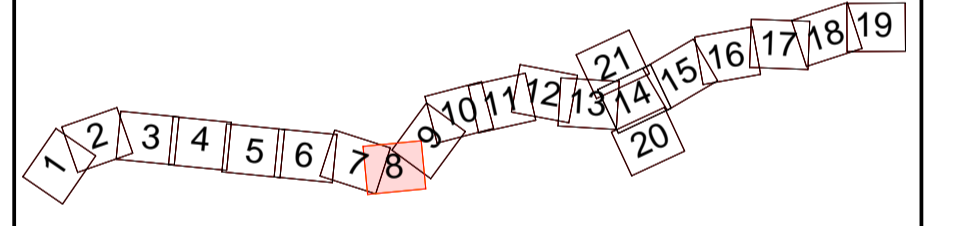
SECTION A-A
(SCALE 1 : 100)



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.



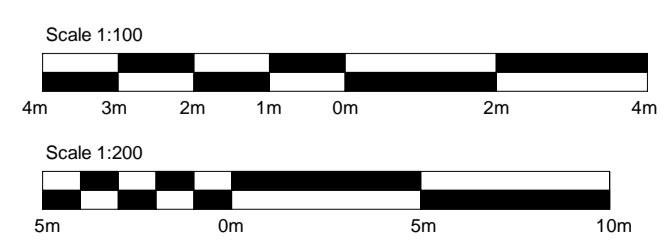
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
Development Consent Order Number: TR010060			Development Consent Order Drawing Number: TR010060/APP/2.12			



Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

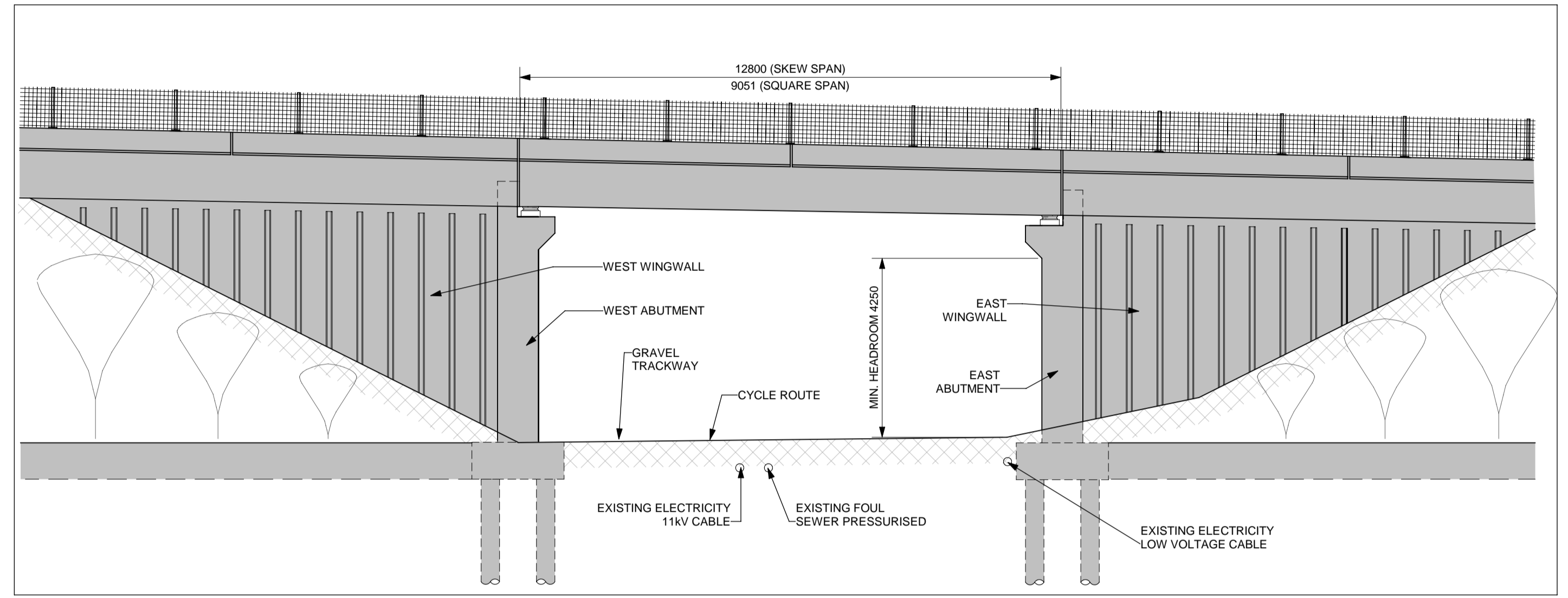
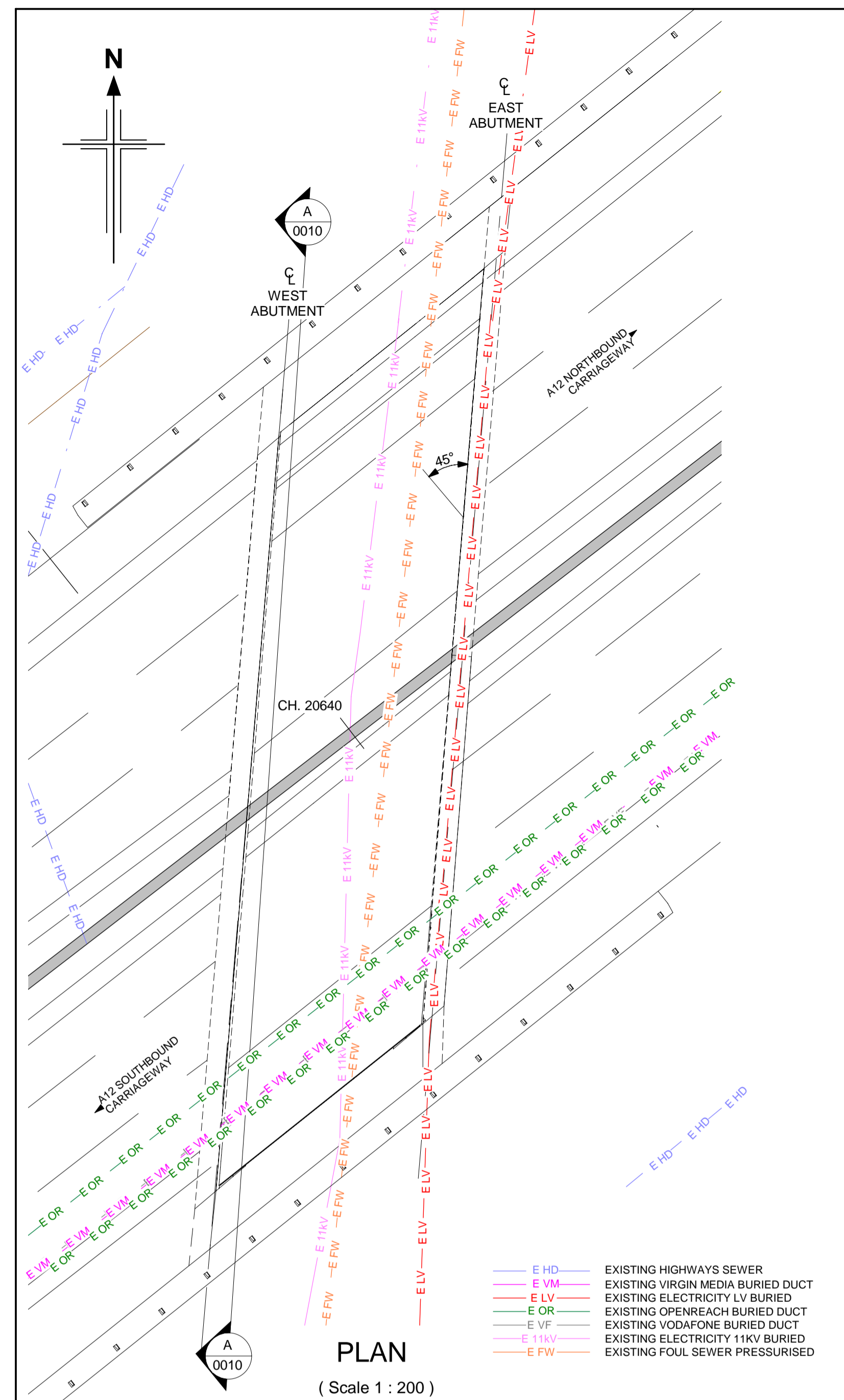
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
OLIVERS UNDERBRIDGE - WORK No. 24(c) - CH. 20505
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 9 OF 30

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				



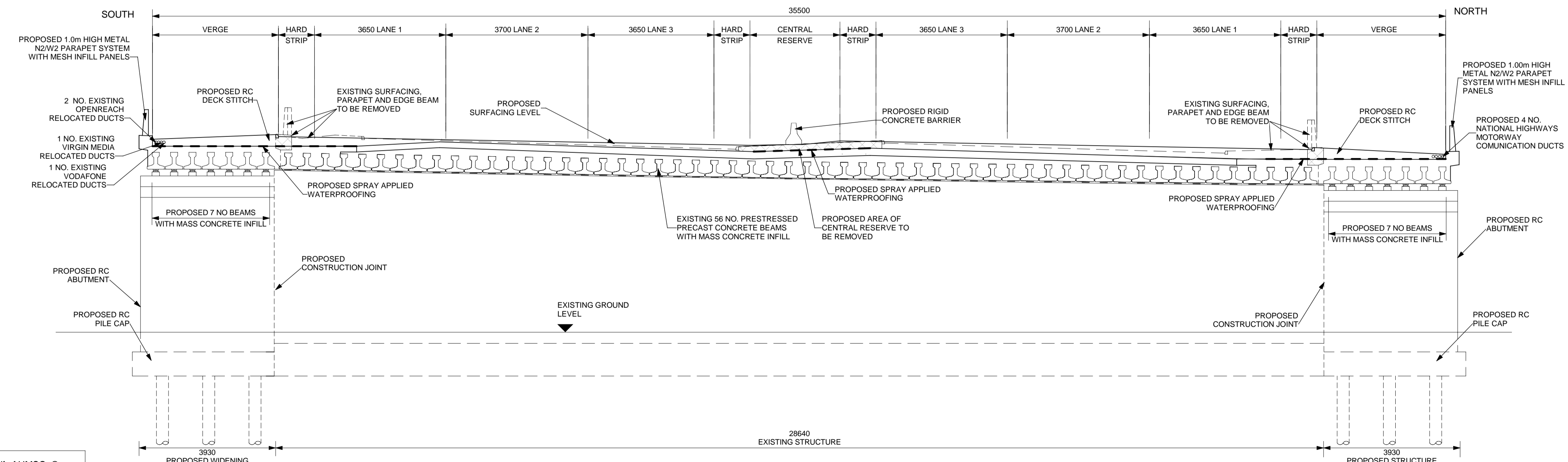
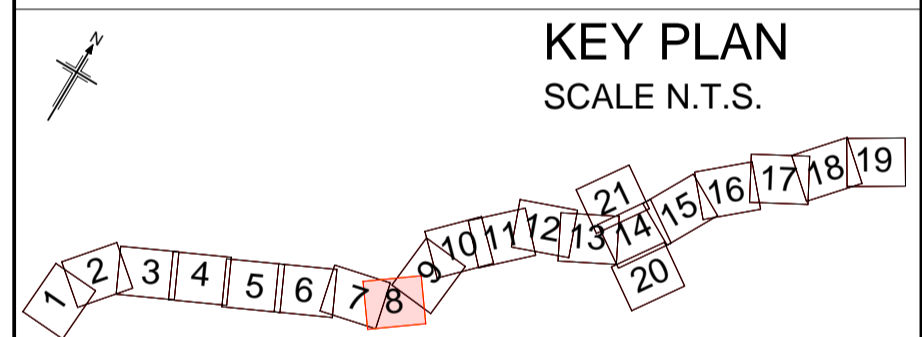
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
Location	SCHW	Type	Role
		DR	Number
			0009

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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).



SECTION A-A
(SCALE 1 : 100)

Rev	Rev. Date	Purpose of revision	Drawn	Checkd	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**

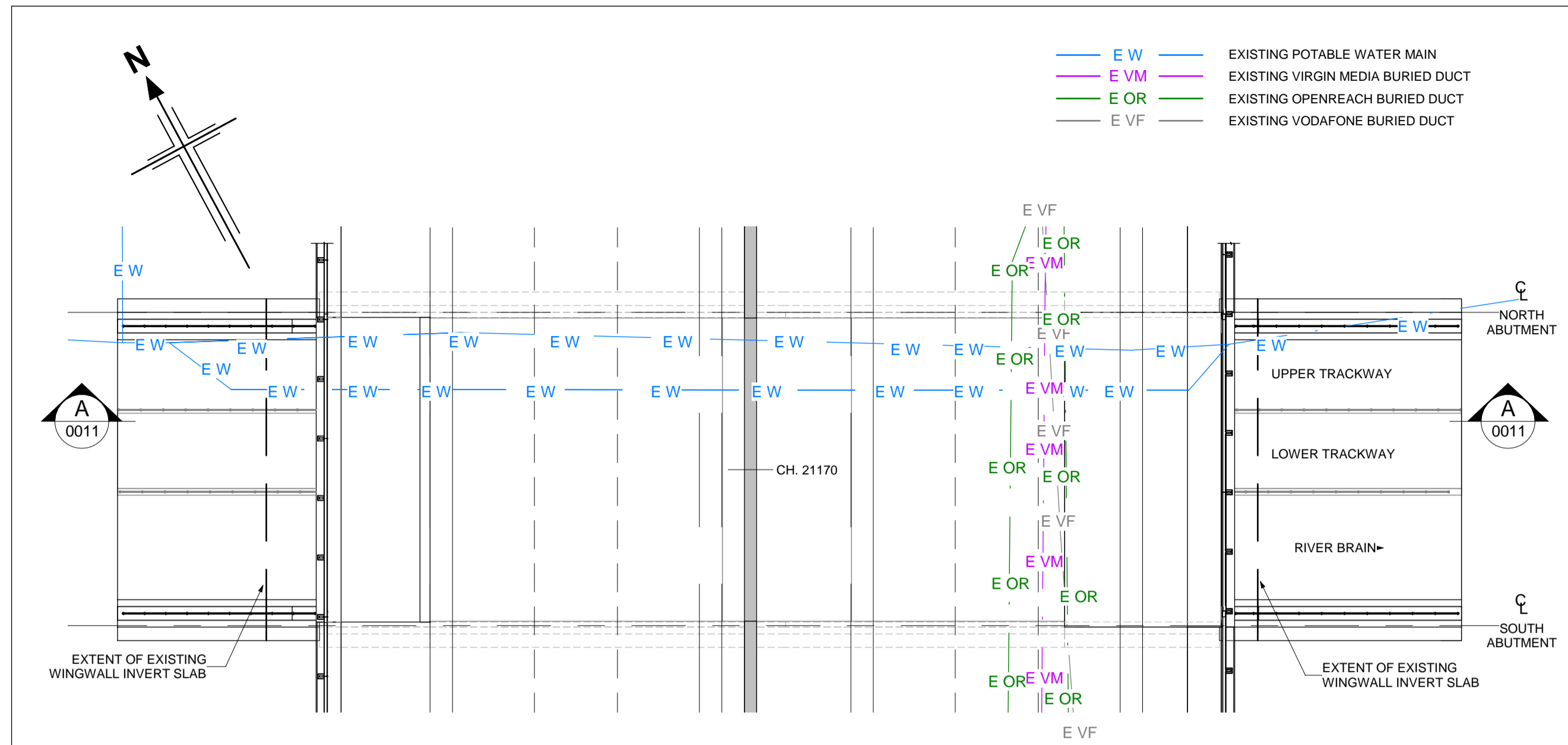
Drawing title: **STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
BENTON UNDERBRIDGE - WORK No. 24(d) - CH. 20640
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 10 OF 30**

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

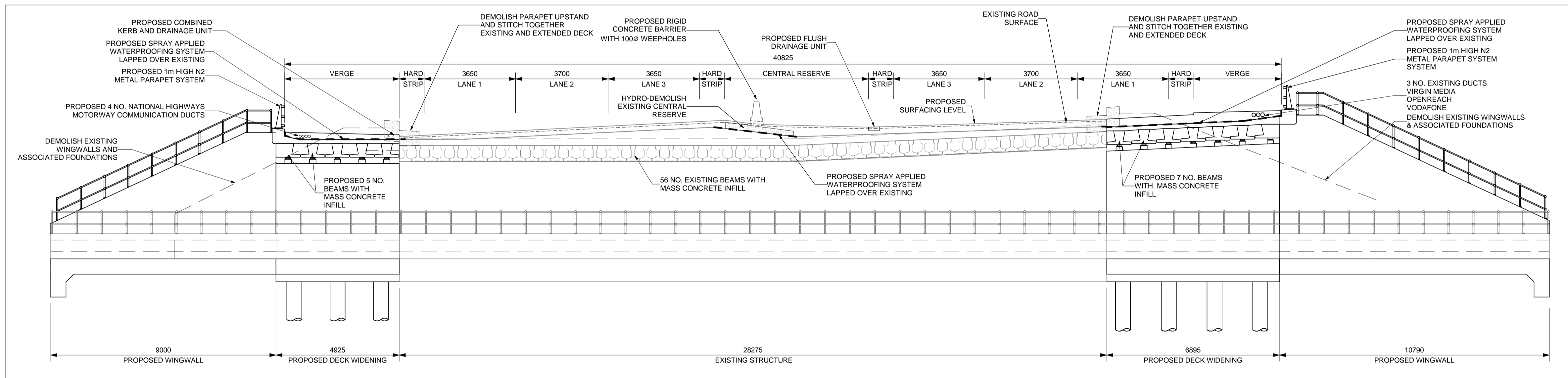
Drawing number	Originator	Volume
PIN	JAC	LDC
HE551497	SCHW	DR S 0010

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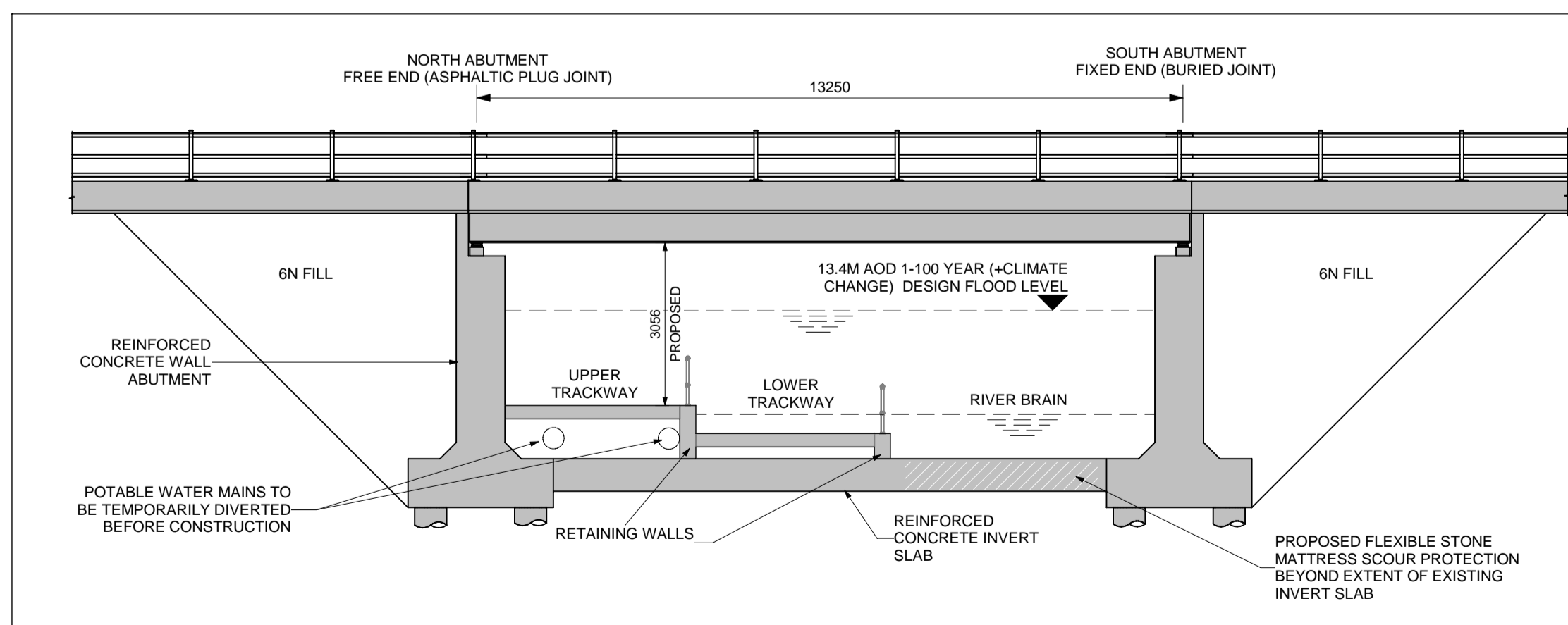
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PLAN
(SCALE 1 : 200)

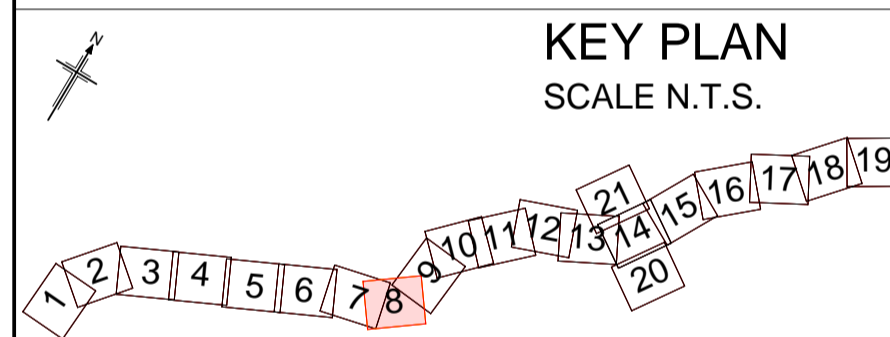


SECTION A-A
(SCALE 1 : 100)



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

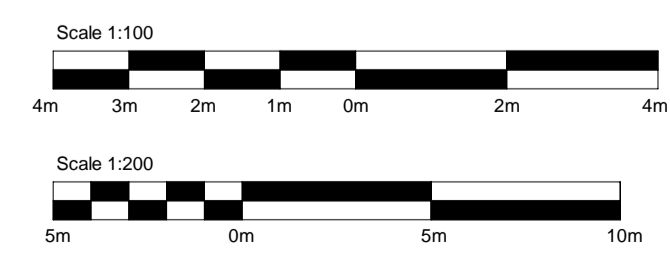
Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12



Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
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	Drawing status	S4
Project Stage	PCF3	Rev	P01
Scale at A1 (841x594mm)	AS SHOWN		
Jacobs No.	B36601D1		
Client no.	HE551497		



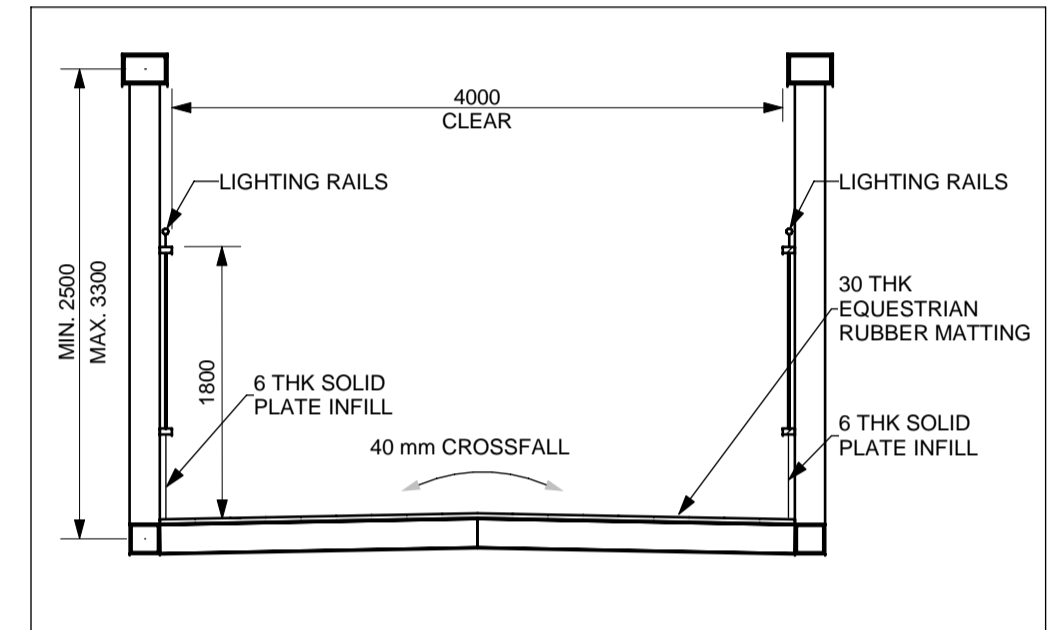
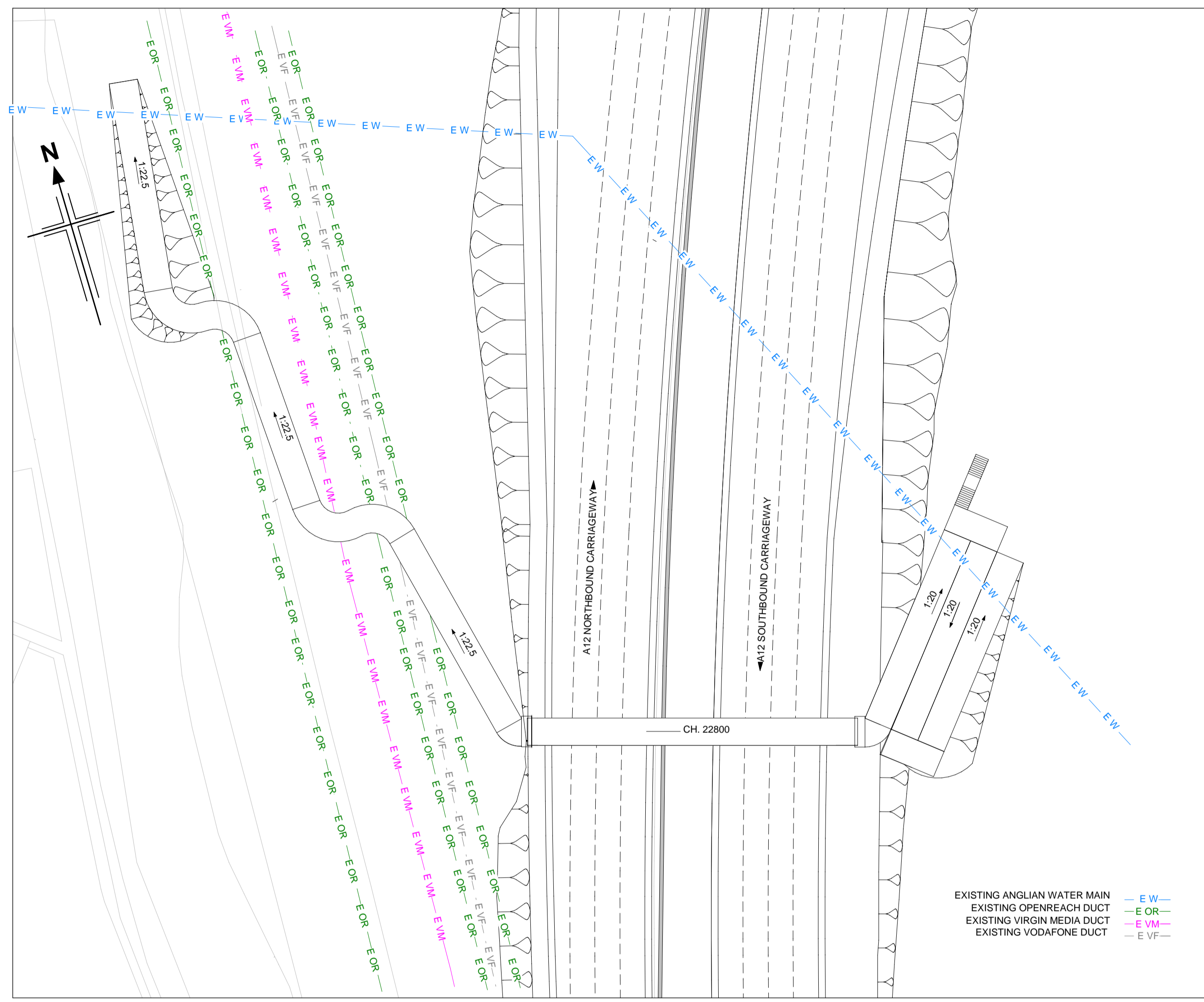
Drawing number: HE551497
Originator: JAC
Volume: LDC
Location: SCHW
Type: DR
Role: S
Number: 0011

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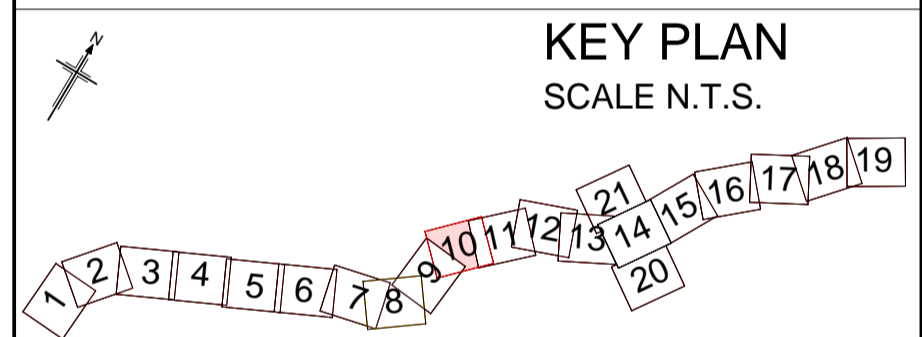
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- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
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P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	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			

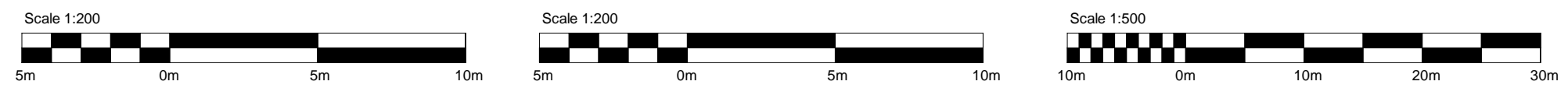
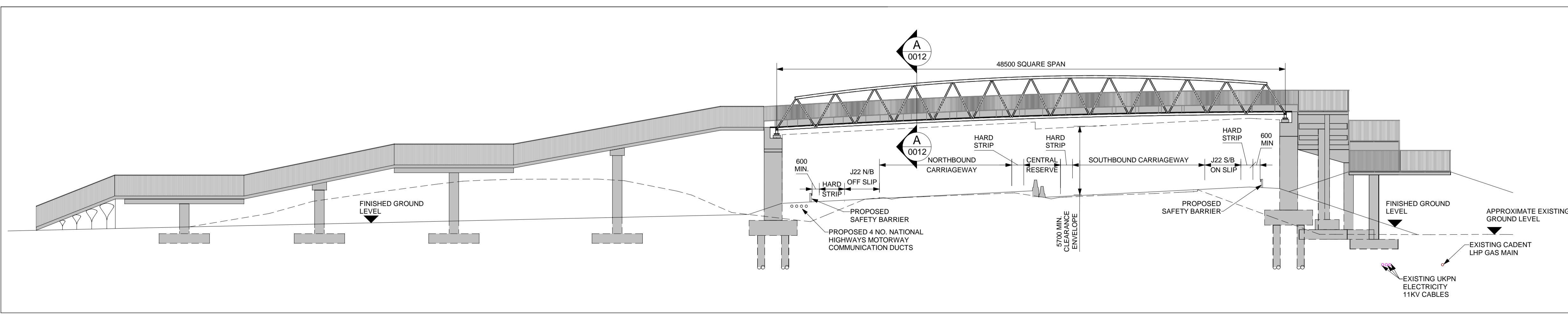


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

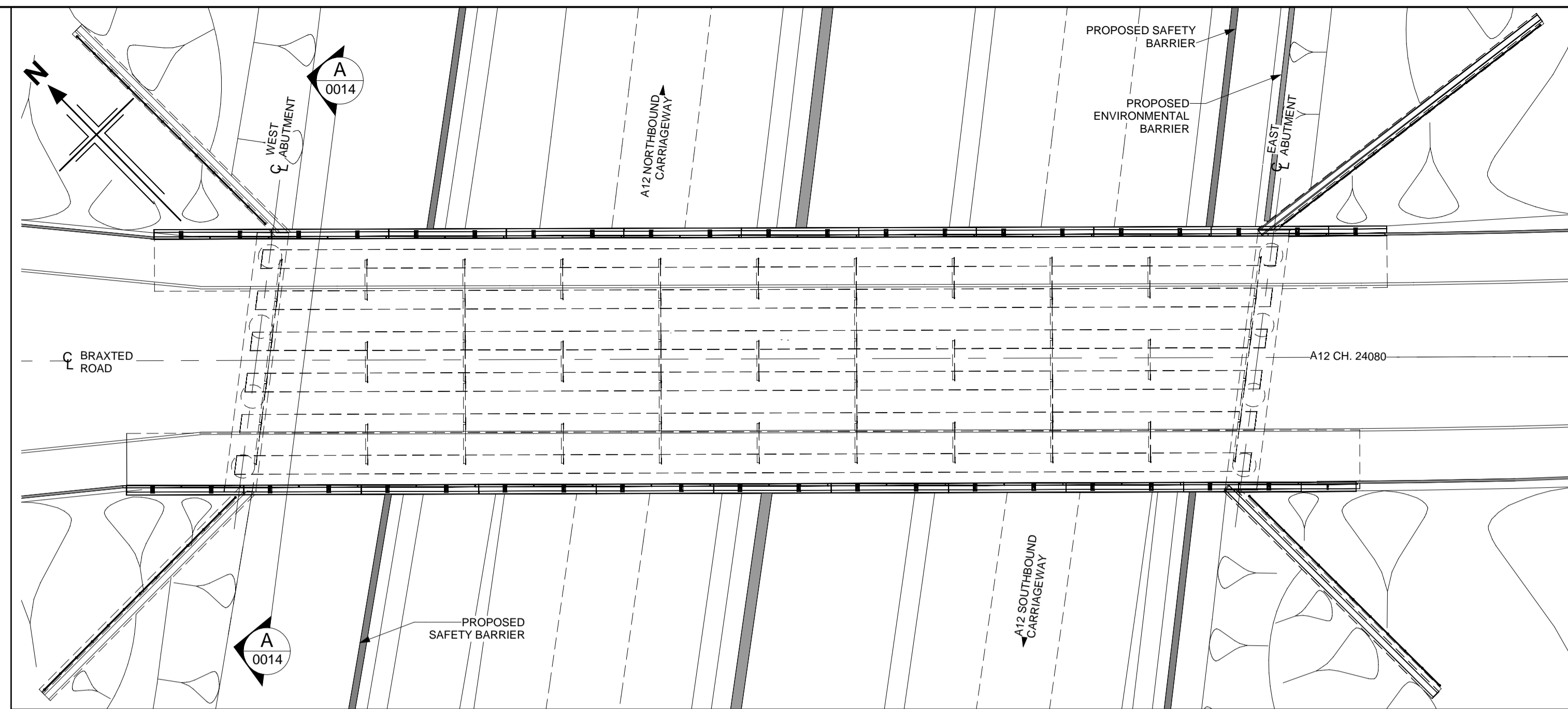
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
LITTLE BRAXTED BRIDGE - WORK No. 30 - CH. 22800
(PROPOSED STRUCTURE)
SHEET 12 OF 30

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

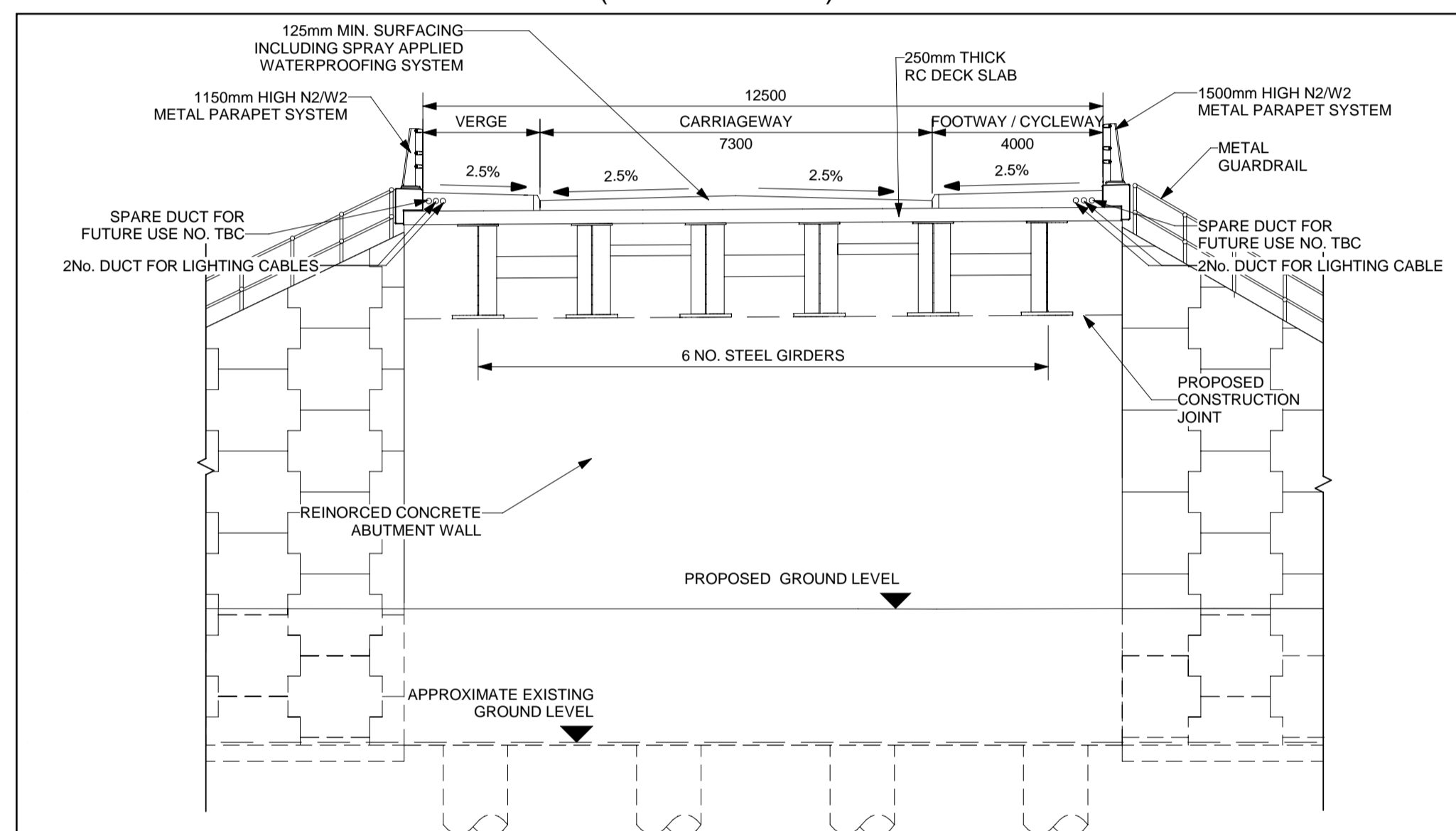
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
Location	SCHW	Type	Role
		DR	S
			0012



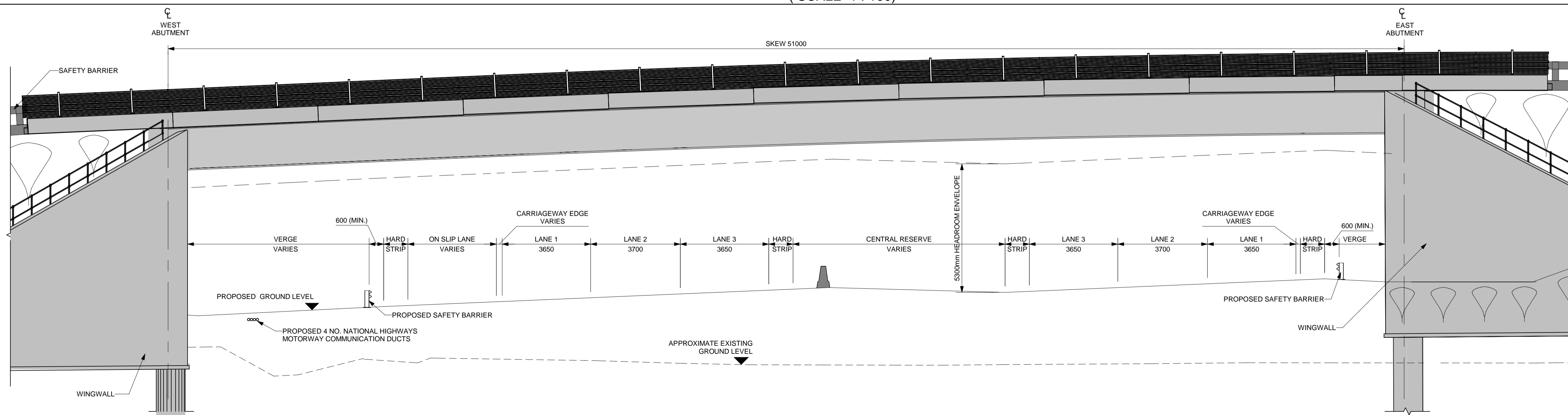
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PLAN
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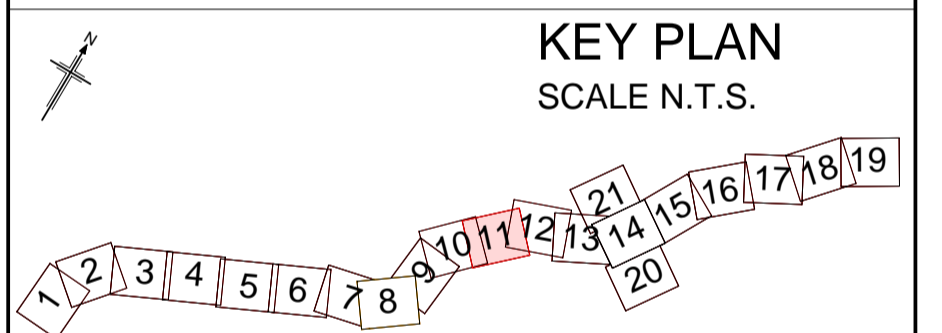


SECTION A-A
(SCALE 1 : 100)



SOUTH ELEVATION
(SCALE 1 : 100)

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
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Rev	Rev. Date	Purpose of revision	Drawn	Check'd	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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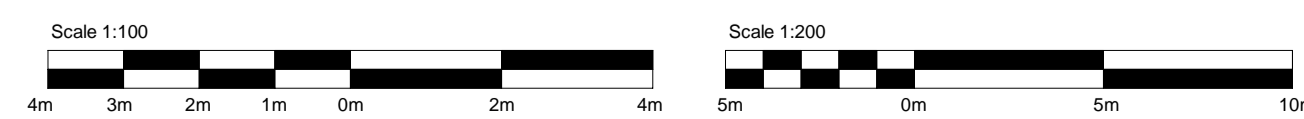


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

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		
Project Stage	PCF3	AS SHOWN	Drawing status S4
Jacobs No.	B36601D1	Rev	P01
Client no.	HE551497		

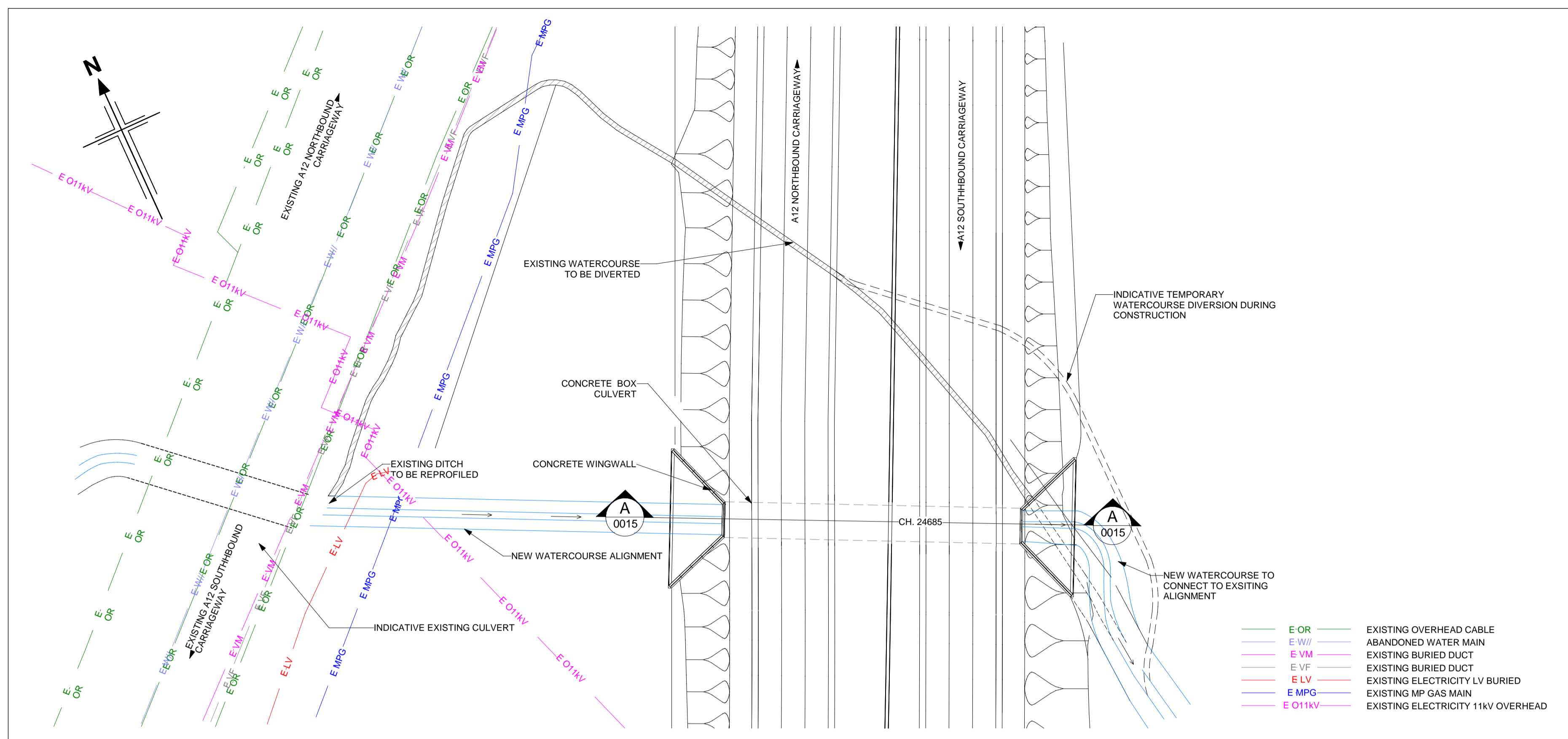
Drawing number	Originator	Volume
PIN	JAC	LDC
Location	SCHW	DR
		20
		S
		0014



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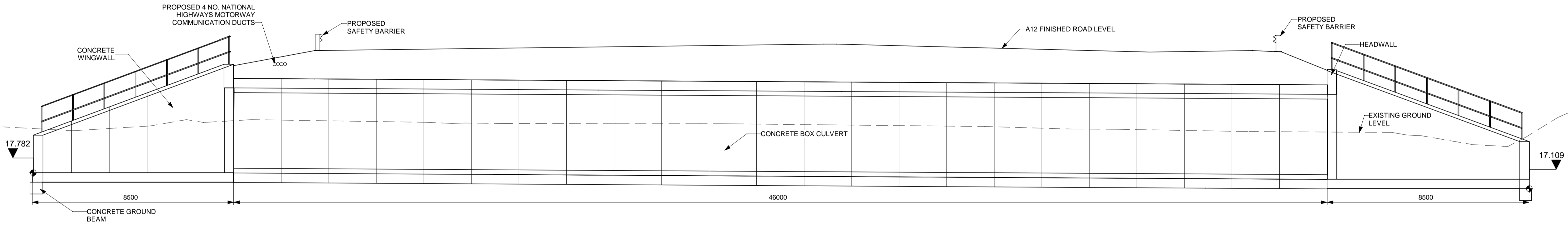
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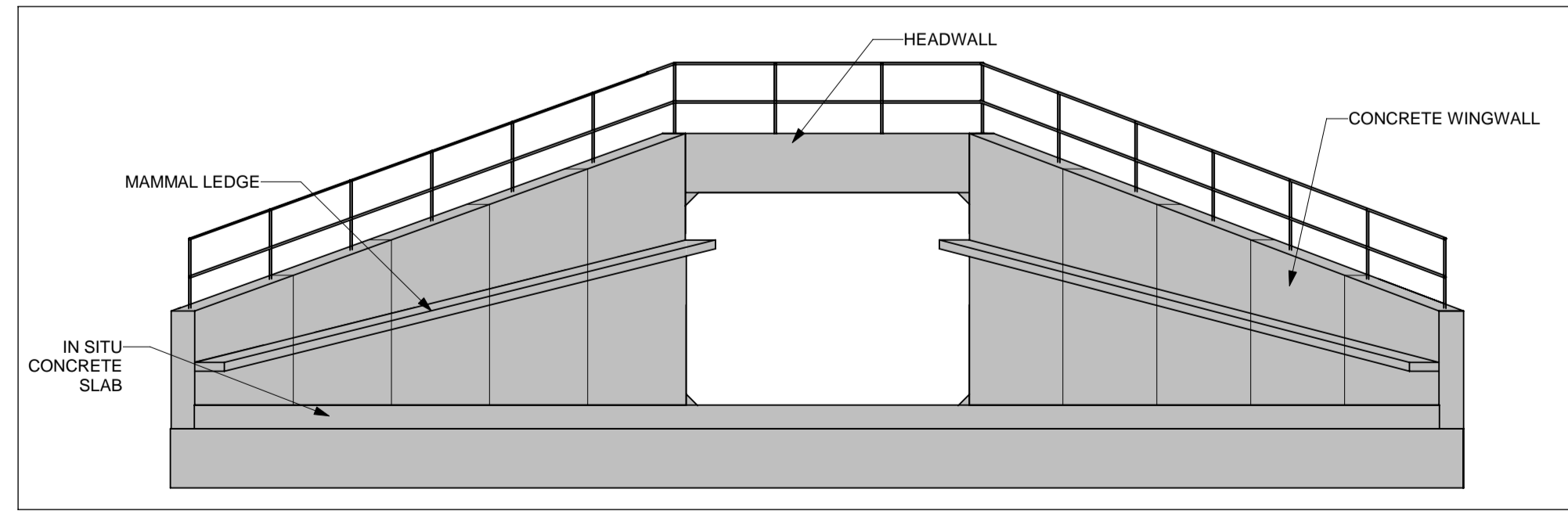


PLAN
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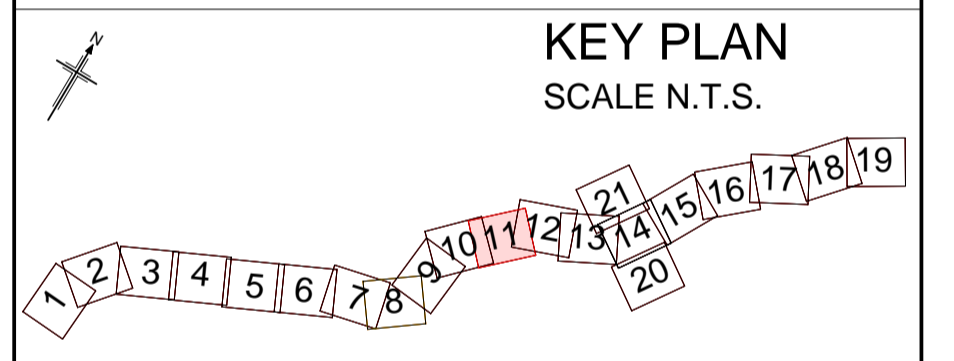
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
 3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS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



SECTION A-A
(SCALE 1 : 100)



EAST ELEVATION
(SCALE 1 : 100)



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

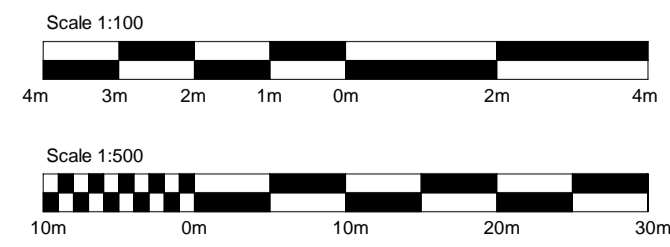
Development Consent Order Number:	TR010060	Development Consent Order Drawing Number:	TR010060/APP/2.12
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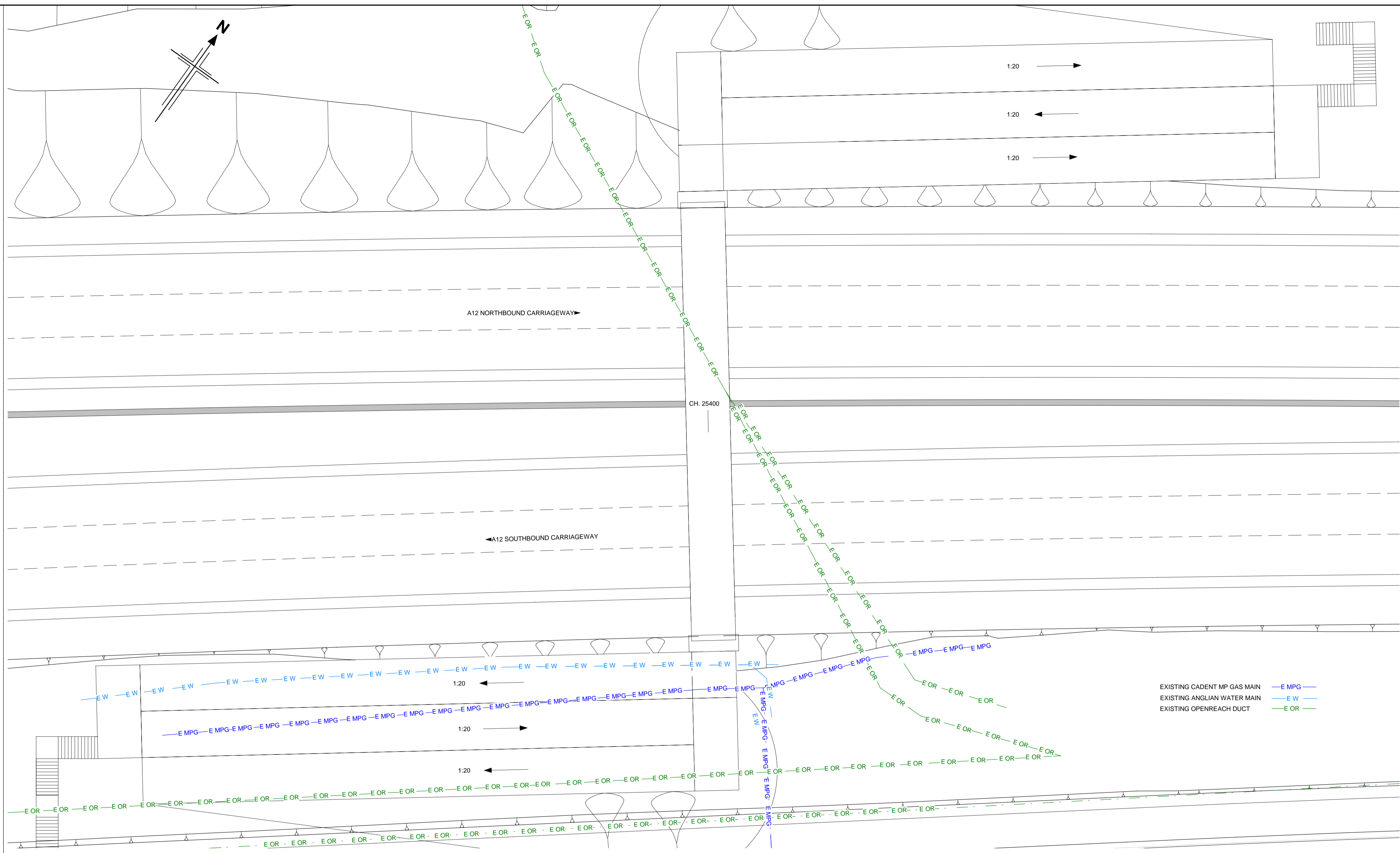
Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

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	Drawing status	S4
Project Stage	PCF3	Rev	P01
Scale at A1 (841x594mm)	AS SHOWN		
Jacobs No.	B36601D1		
Client no.	HE551497		

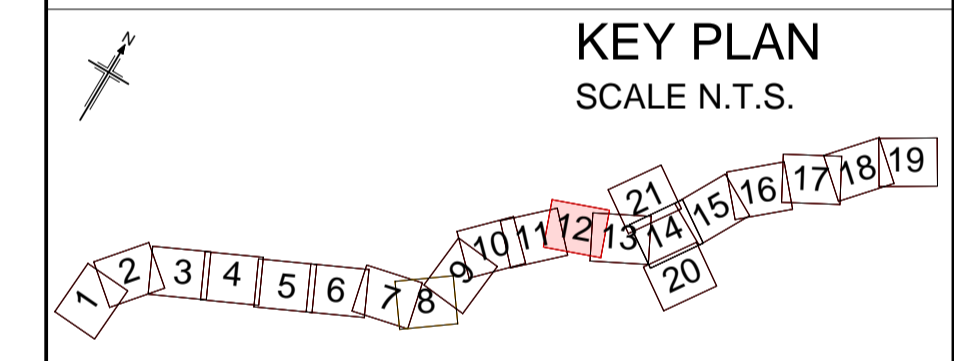


Drawing number	Originator	Volume
HE551497	JAC	LDC
Location	Type	Role
SCHW	DR	S
		Number
		0015



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.
 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	Appr'd
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT

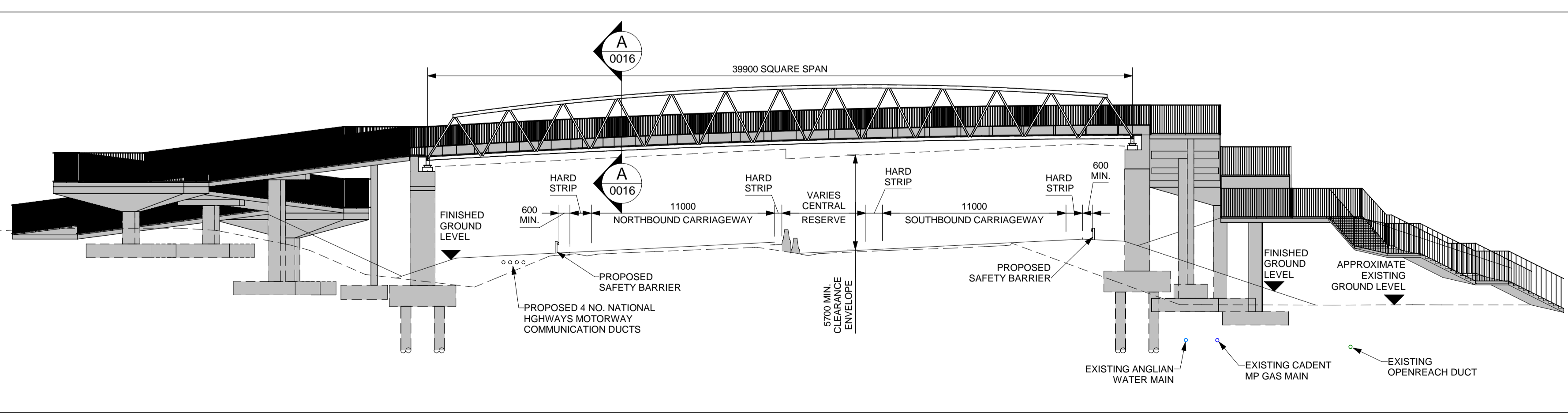
Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12



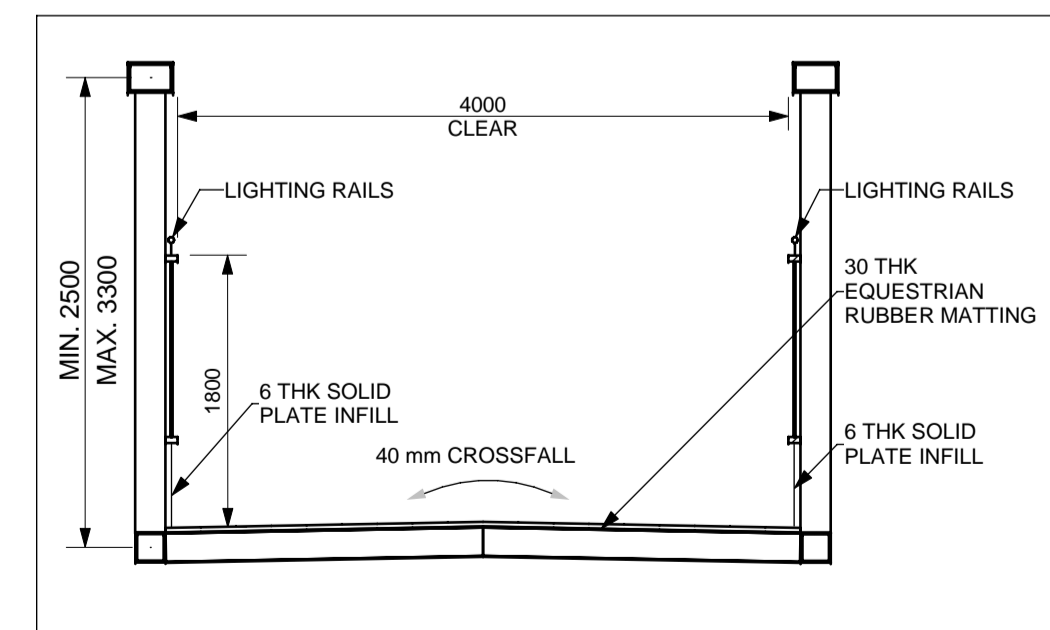
Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
**STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
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	S4
Project Stage	PCF3	Rev	P01
Scale at A1 (841x594mm)	AS SHOWN		
Jacobs No.	B36601D1		
Client no.	HE551497		



WEST ELEVATION
(SCALE 1 : 200)



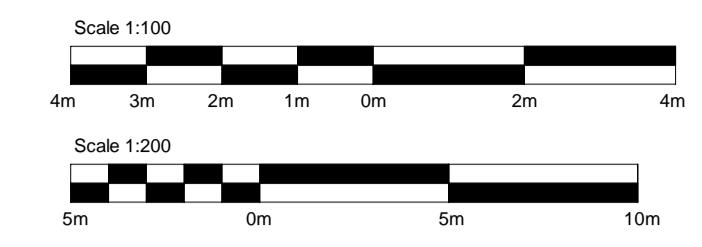
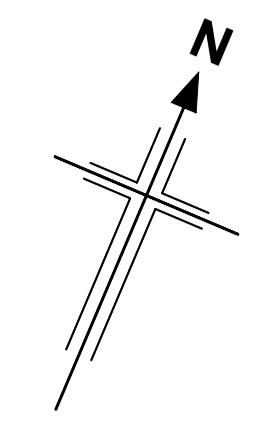
SECTION A-A
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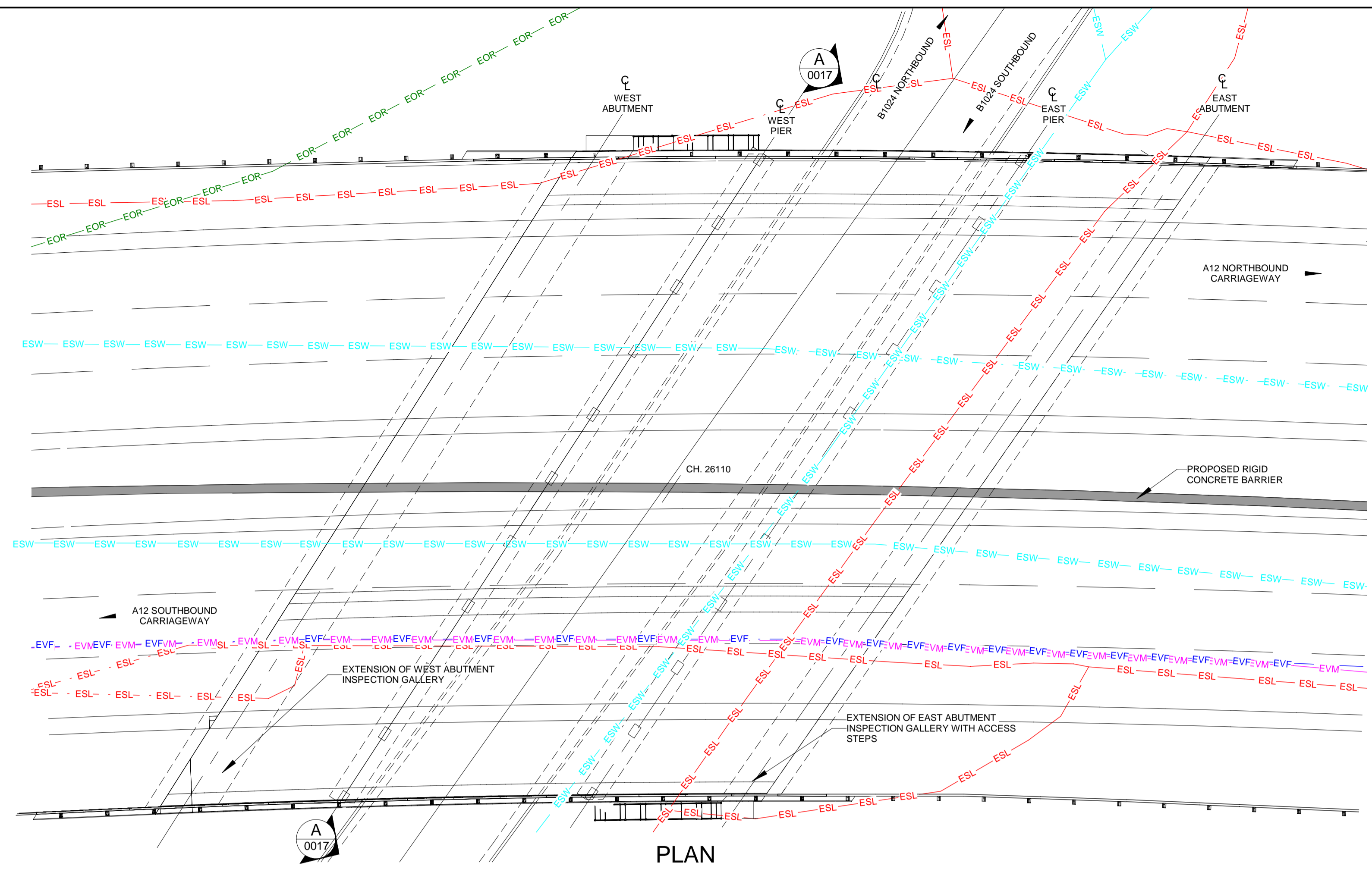
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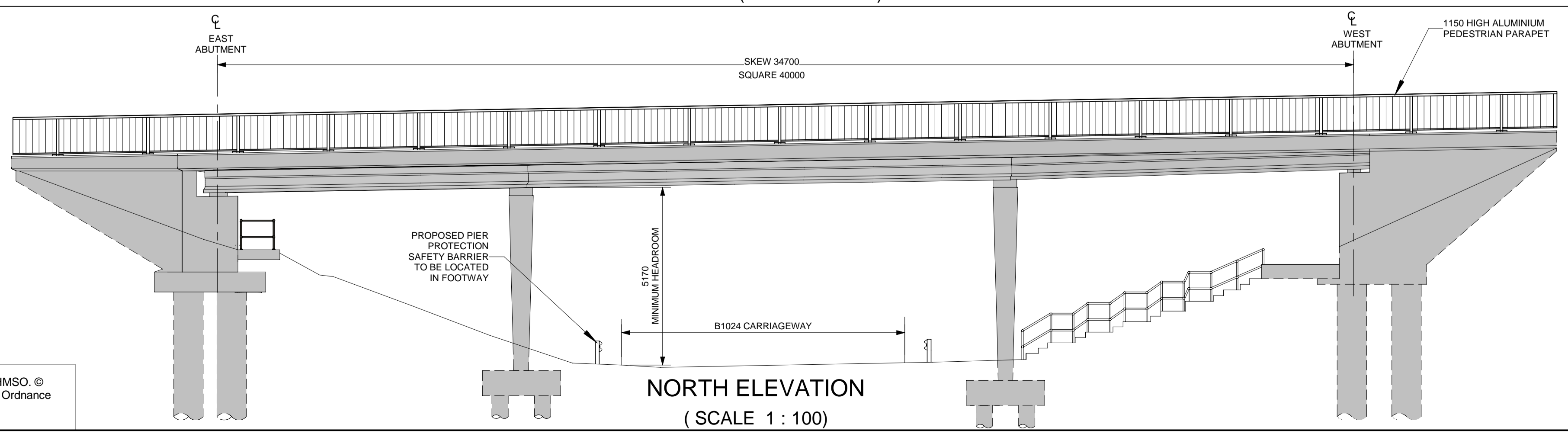
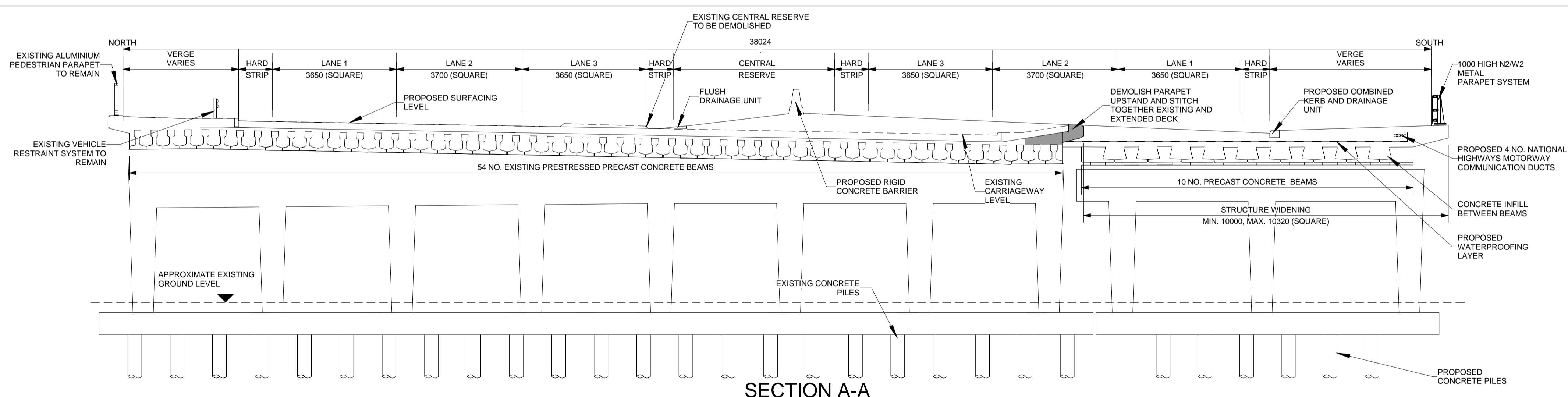
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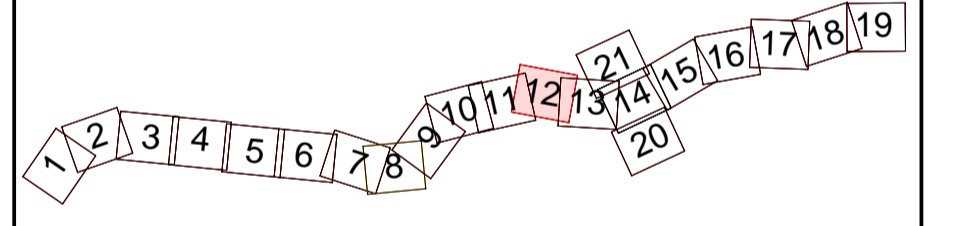
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS OTHERWISE STATED.
 3. THIS DESIGN SHOWN ON THE STRUCTURES ENGINEERING DRAWINGS AND SECTIONS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE WITHIN THE ORDER LIMITS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



- EOR — EXISTING BURIED OPENREACH CABLE
- ESL — EXISTING ELECTRIC STREET LIGHTING
- ESW — EXISTING SEWER
- EVM — EXISTING VIRGIN MEDIA DUCT
- EVF — EXISTING VODAFONE DUCT



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



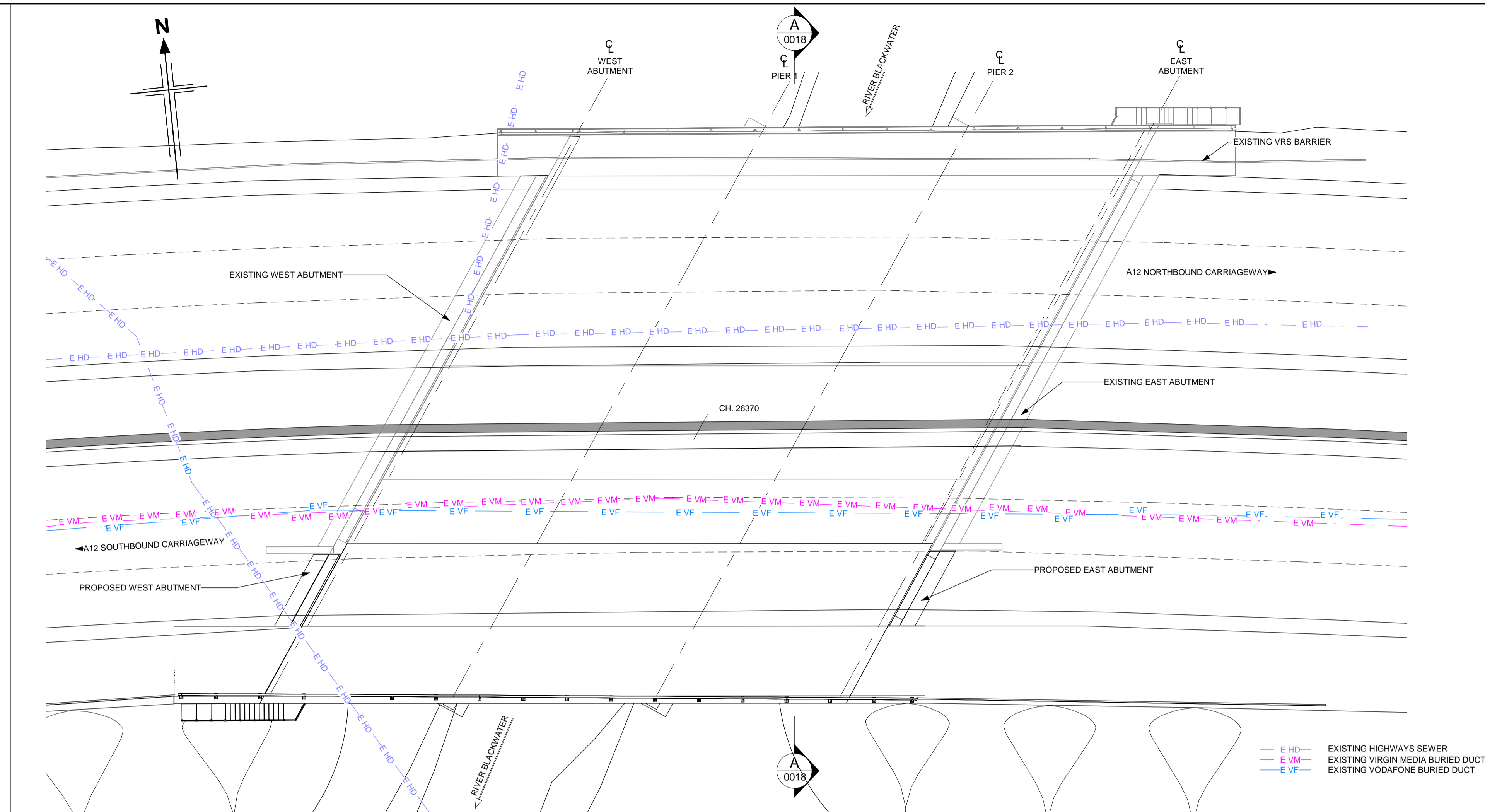
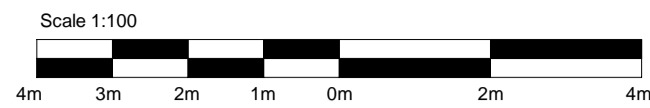
Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

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

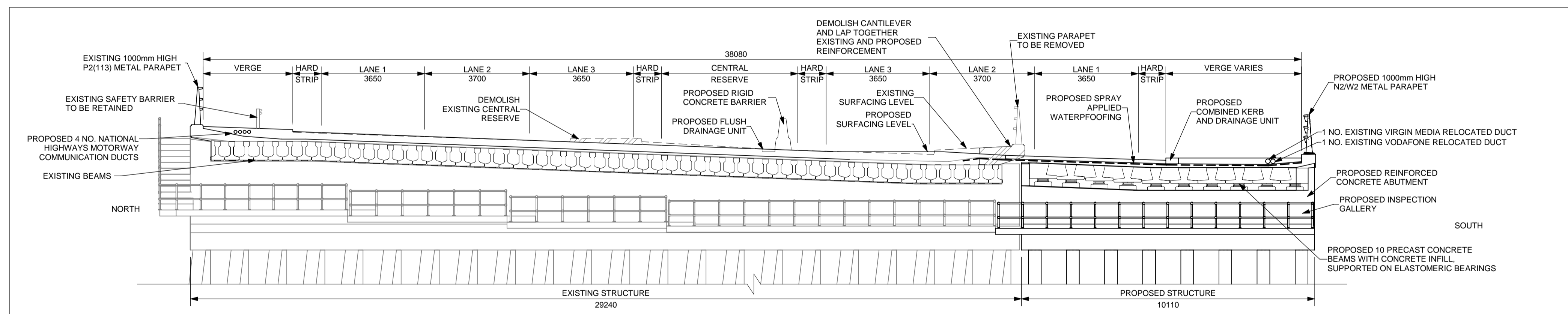
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)		
Purpose of issue	DCO APPLICATION		
State Code	Preliminary		
Project Stage	PCF3	Drawing status	S4
Scale at A1 (841x594mm)	AS SHOWN	Rev	
Jacobs No.	B36601D1	Rev	P01
Client no.	HE551497		

Drawing number: HE551497
Originator: JAC
Volume: LDC
Location: SCHW
Type: DR
Role: S
Number: 0017

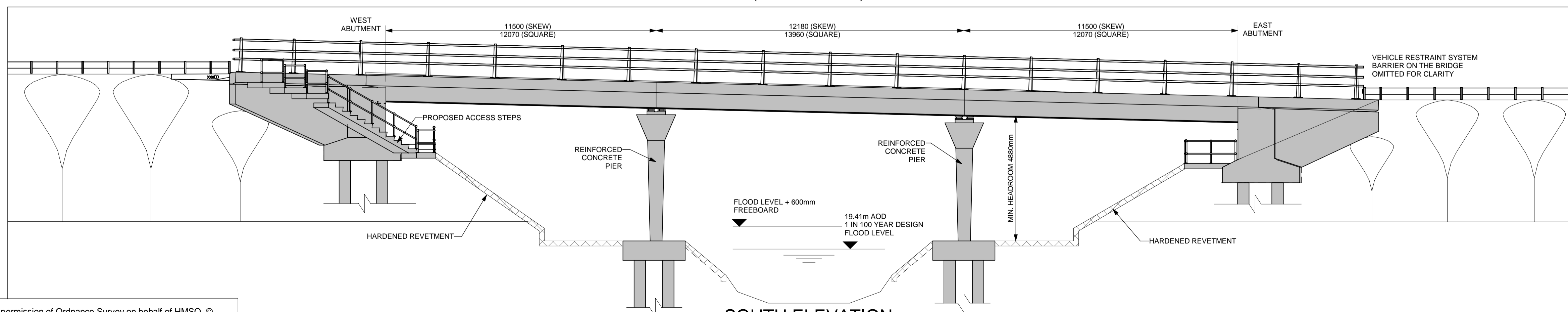
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PLAN
(SCALE 1 : 200)



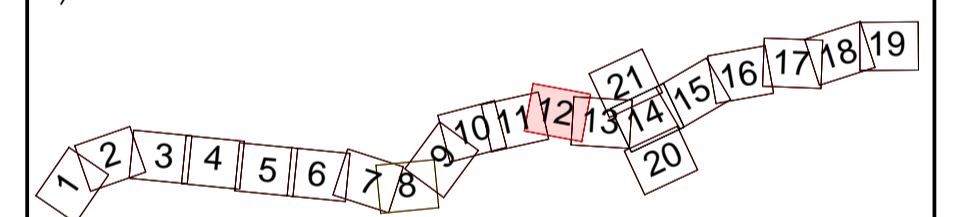
SECTION A-A
(SCALE 1 : 100)



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.



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



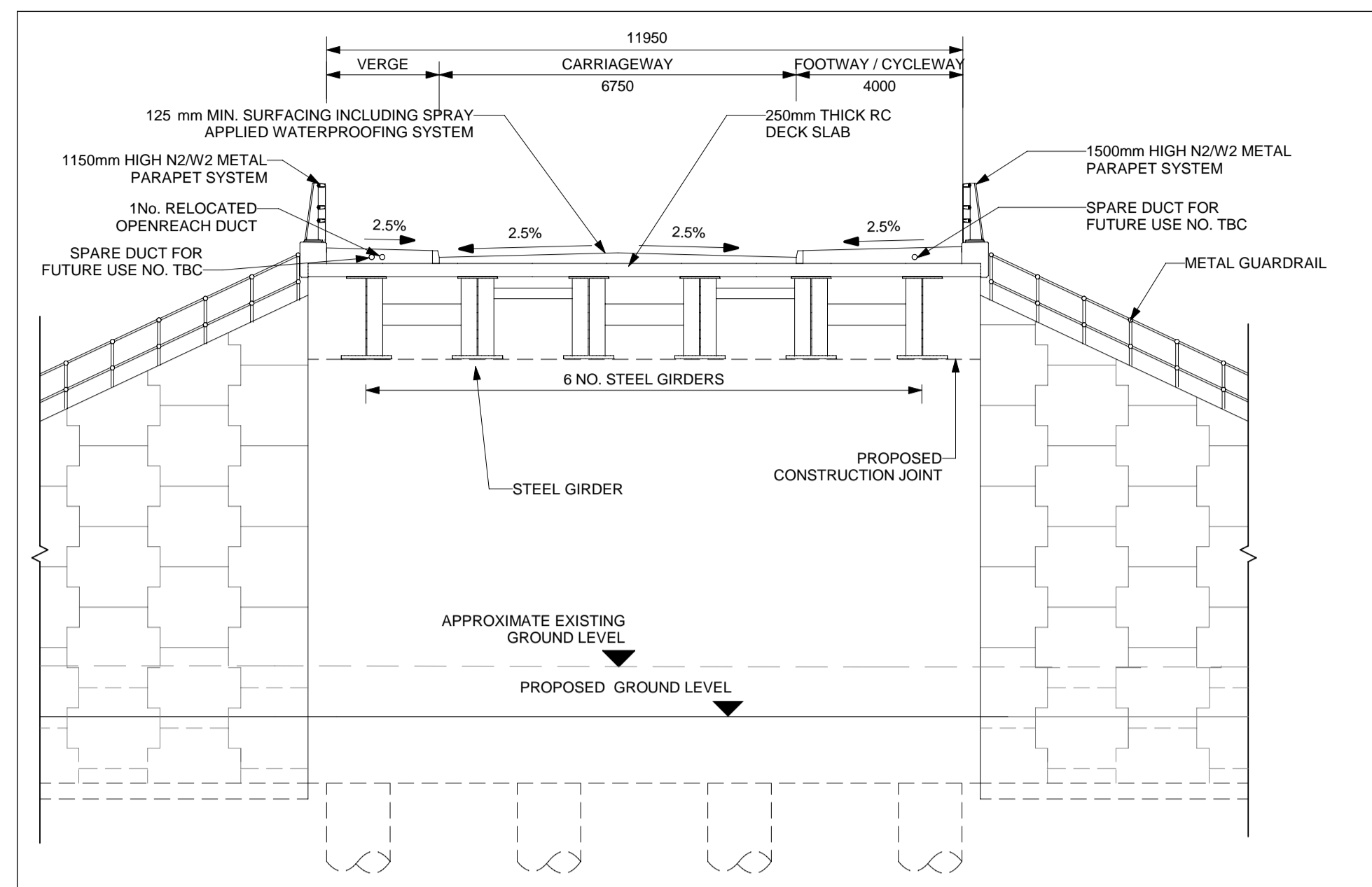
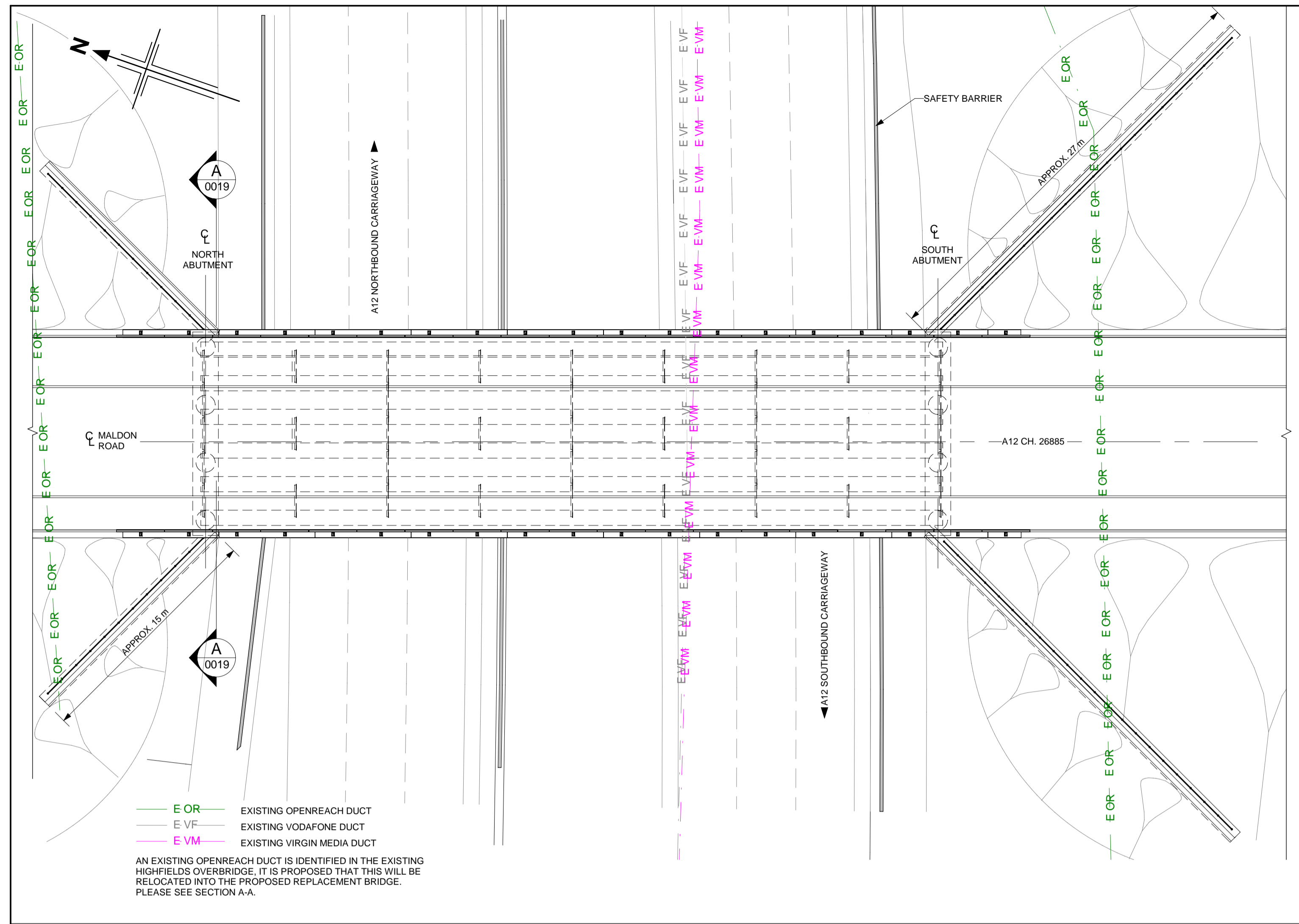
Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

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	Drawing status
Scale at A1 (841x594mm)	AS SHOWN	S4
Jacobs No.	B36601D1	Rev
Client no.	HE551497	P01

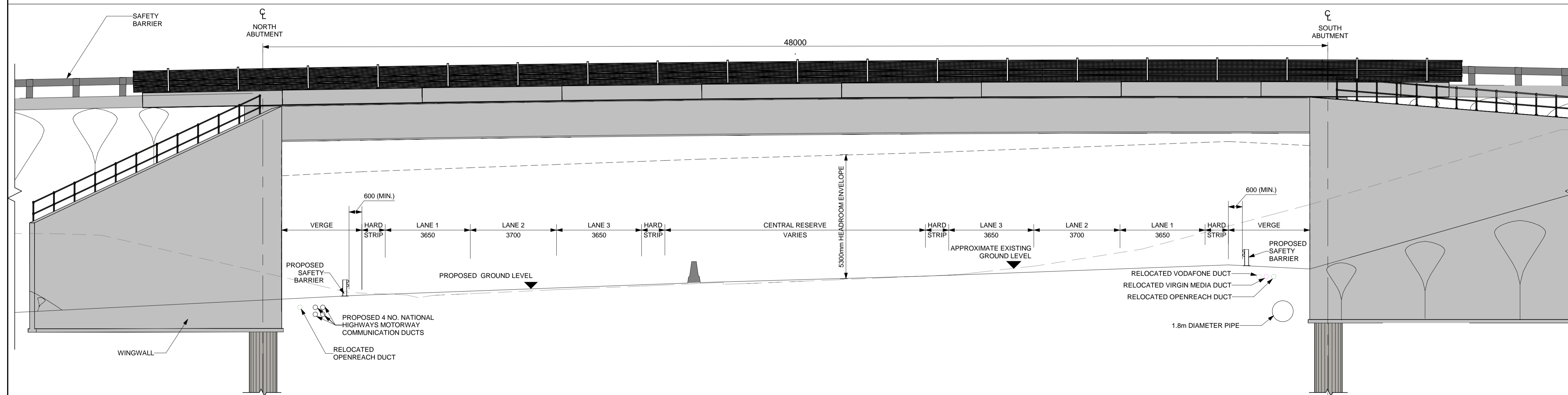
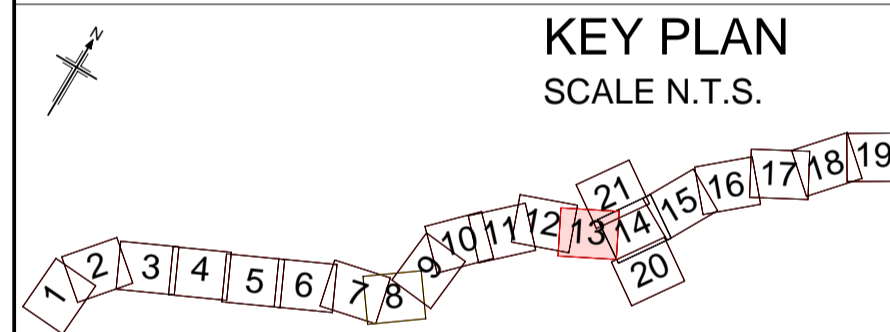
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
Location	SCHW	Type	Role
		DR	Number
			S-0018

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- NOTES:
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PLAN
(SCALE 1 : 200)



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

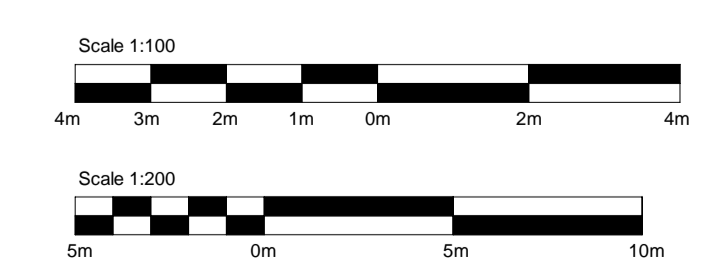
Development Consent Order Number: TR010060
 Development Consent Order Drawing Number: TR010060/APP/2.12



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

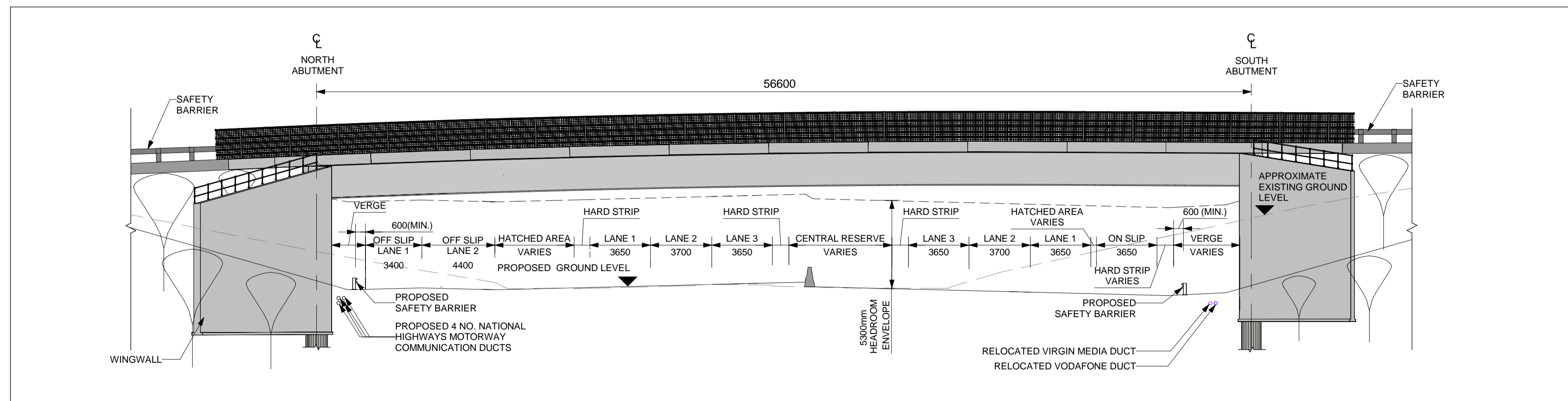
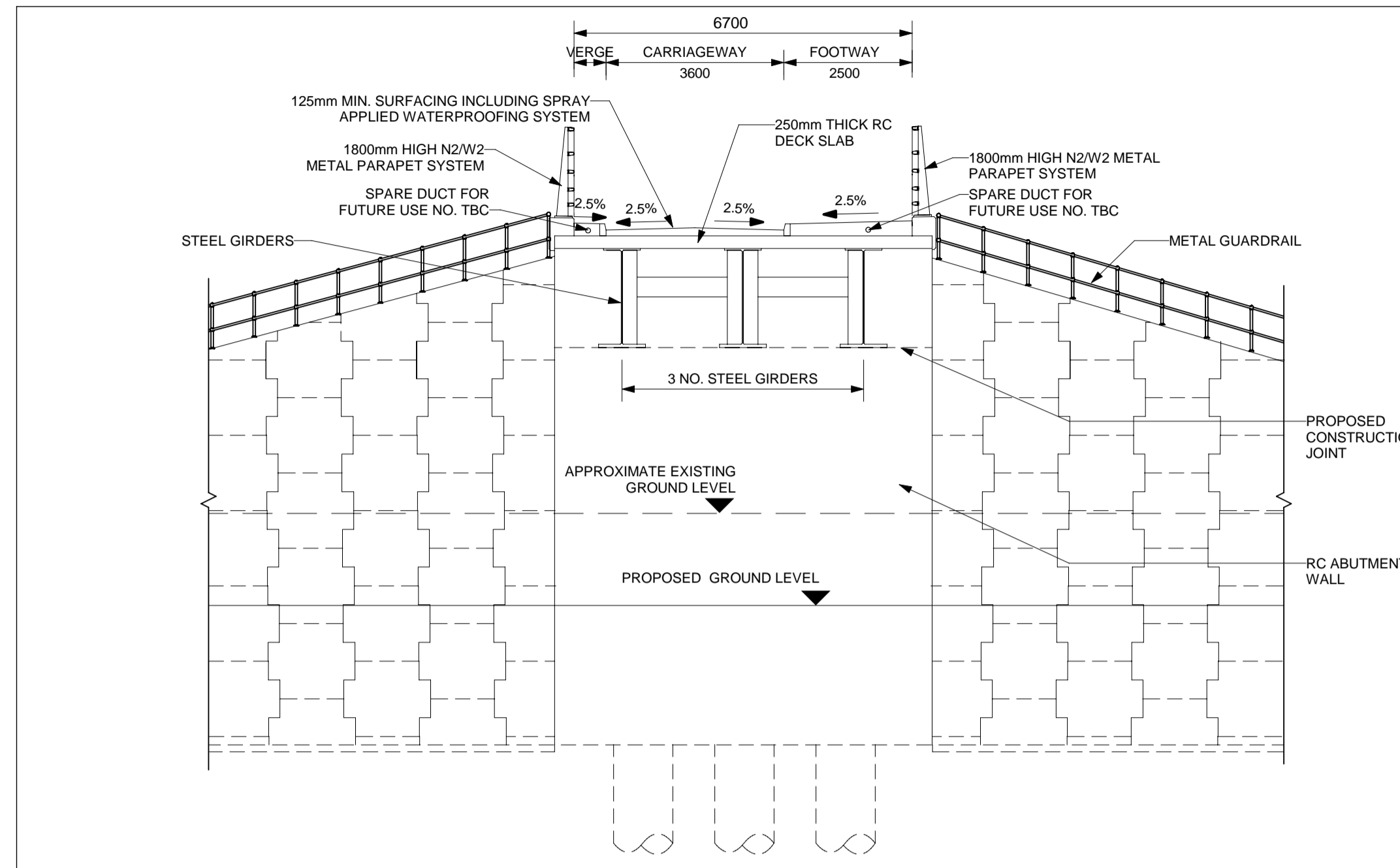
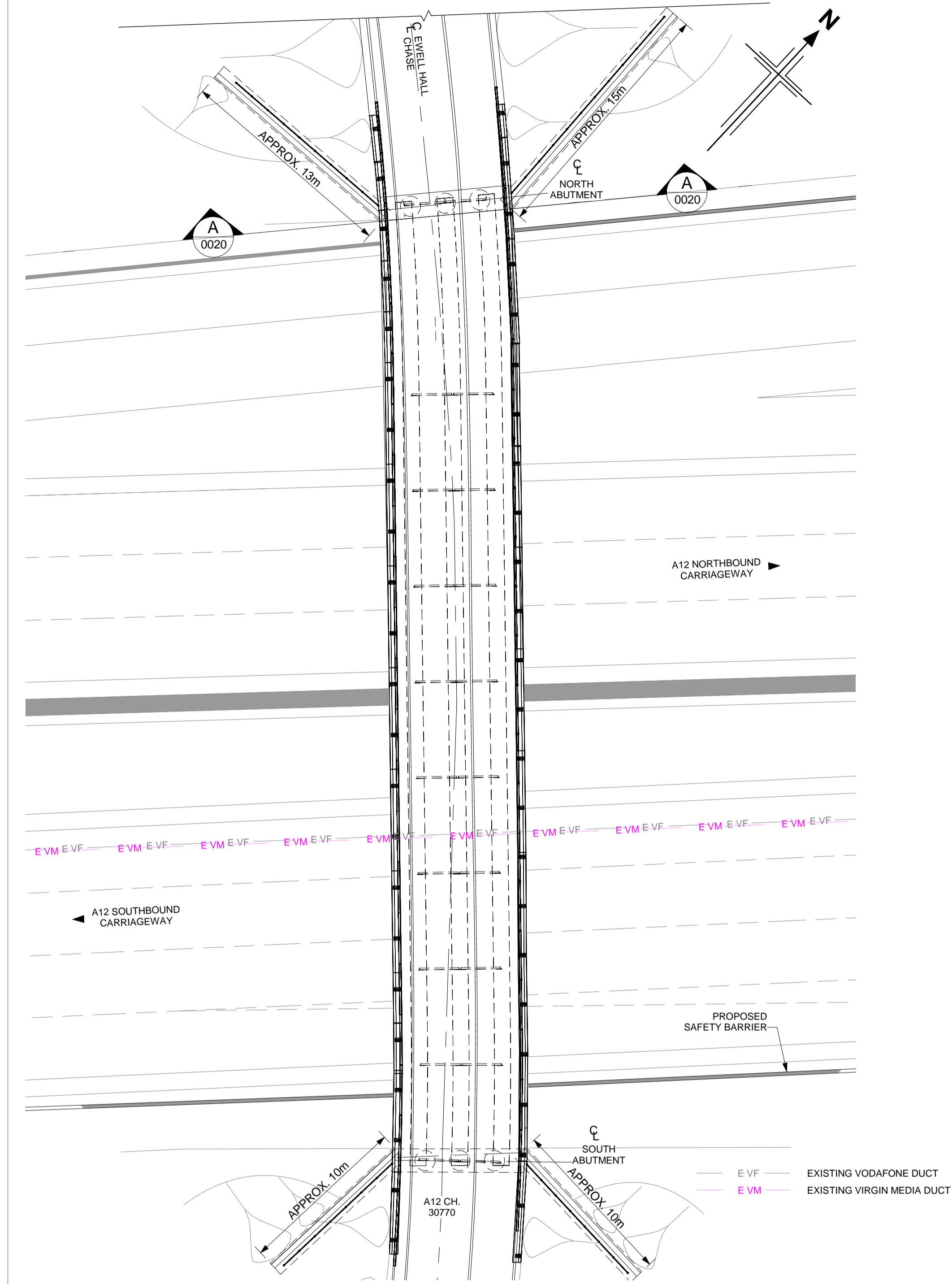
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)		
Purpose of issue	DCO APPLICATION		
State Code	Preliminary		
Project Stage	PCF3	Drawing status	S4
Scale at A1 (841x594mm)	AS SHOWN	Rev	P01
Jacobs No.	B36601D1	Client no.	HE551497



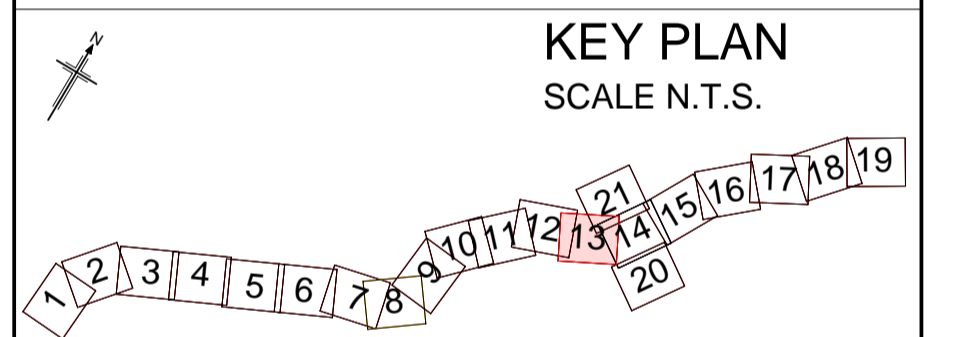
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
Location	SCHW	Type	DR
Role	S	Number	0019

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 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).



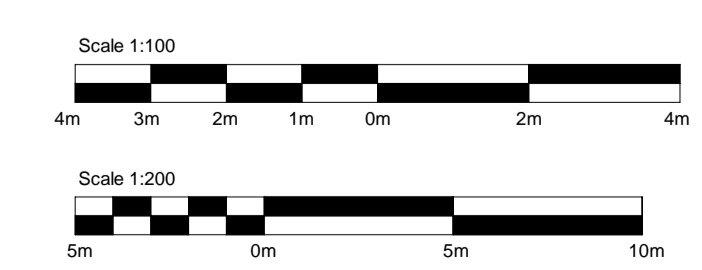
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
Development Consent Order Number:			Development Consent Order Drawing Number:			
TR010060			TR010060/APP/2.12			



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**

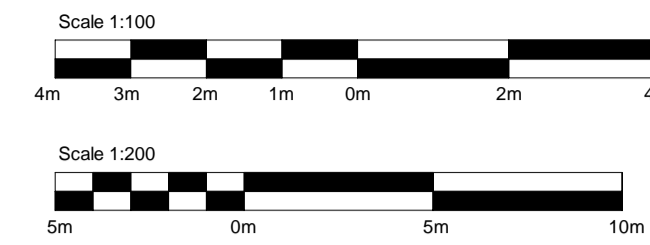
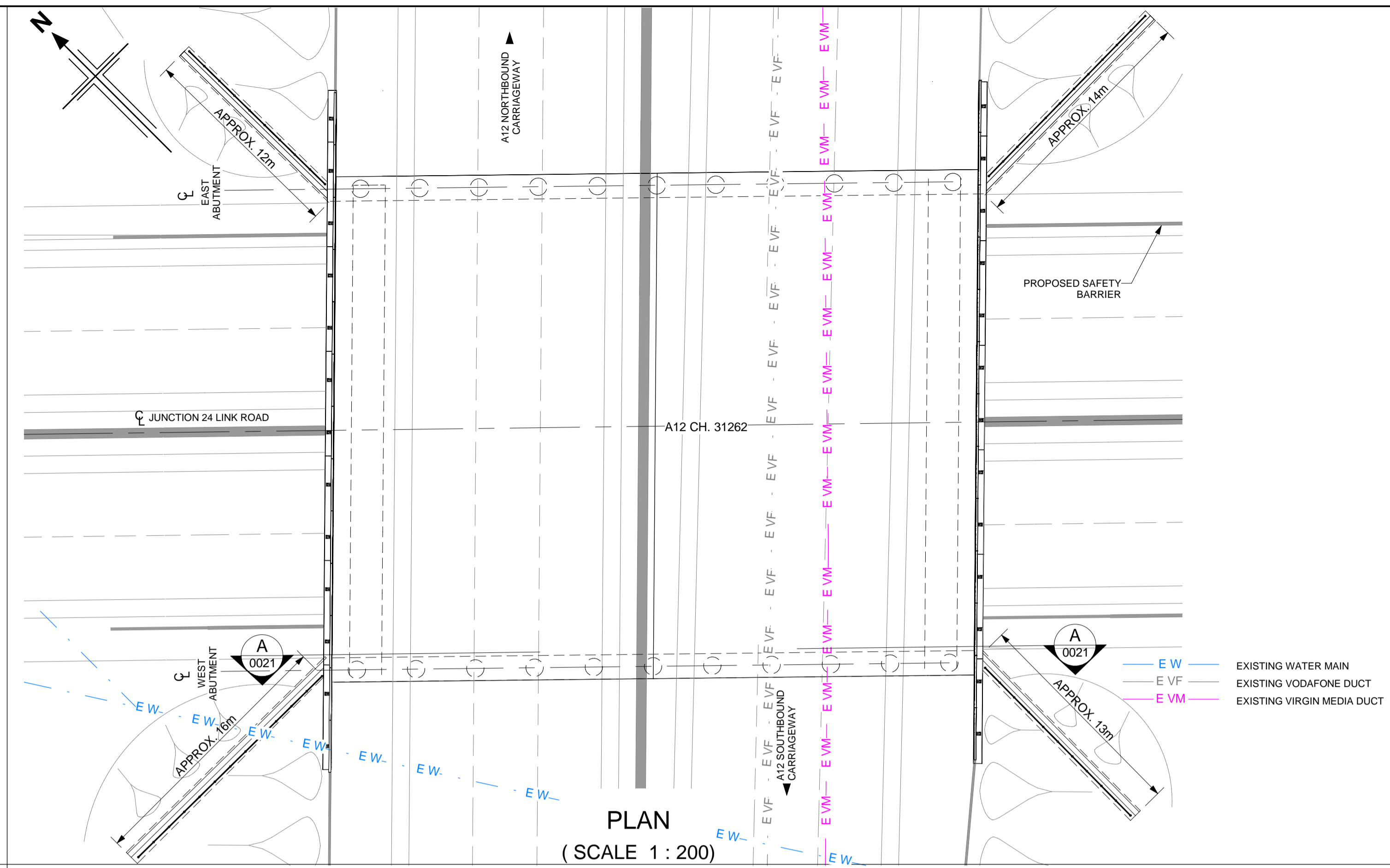
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary			Drawing status	
Project Stage	PCF3			S4	
Scale at A1 (841x594mm)	AS SHOWN			Rev	
Jacobs No.	B36601D1			P01	
Client no.	HE551497				



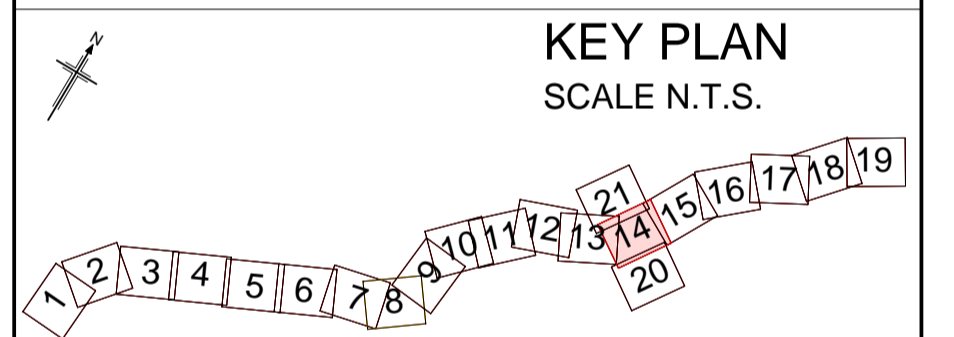
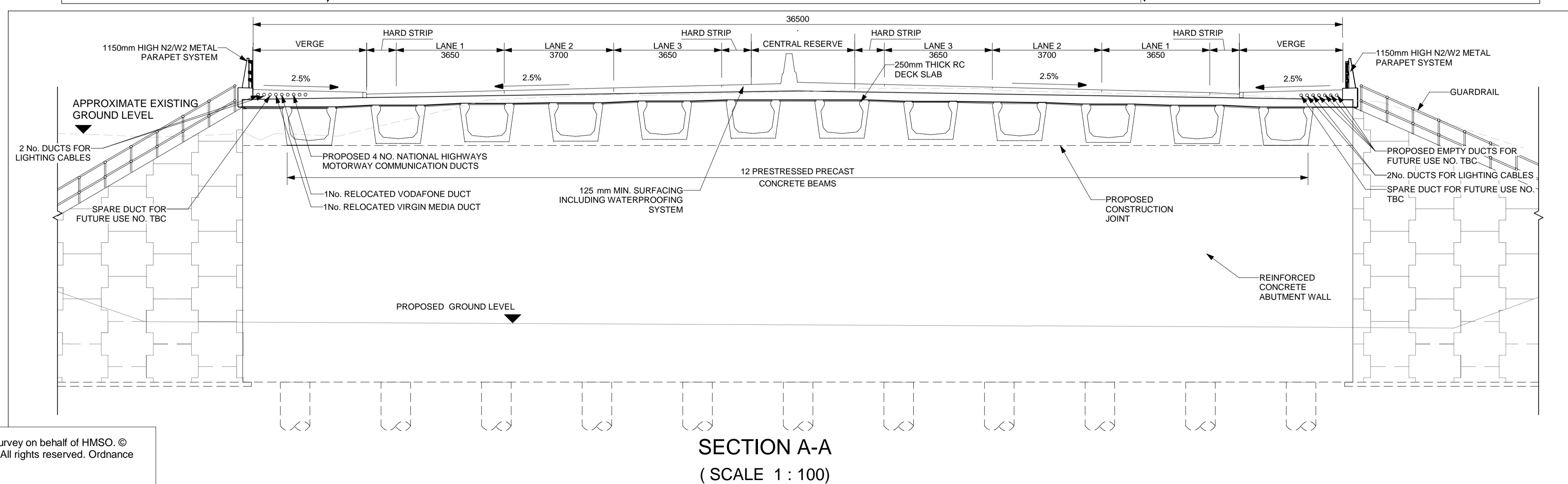
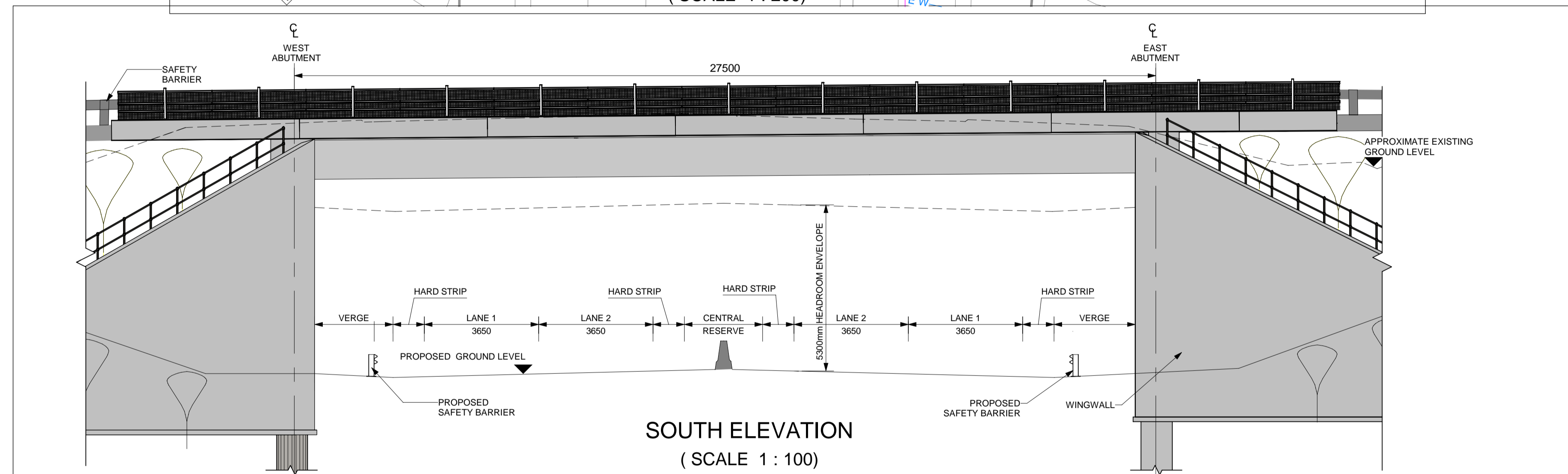
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
Location	SCHW	Type	Role
		DR	S
			0020

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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

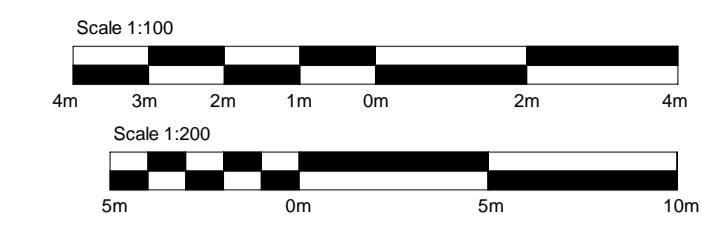
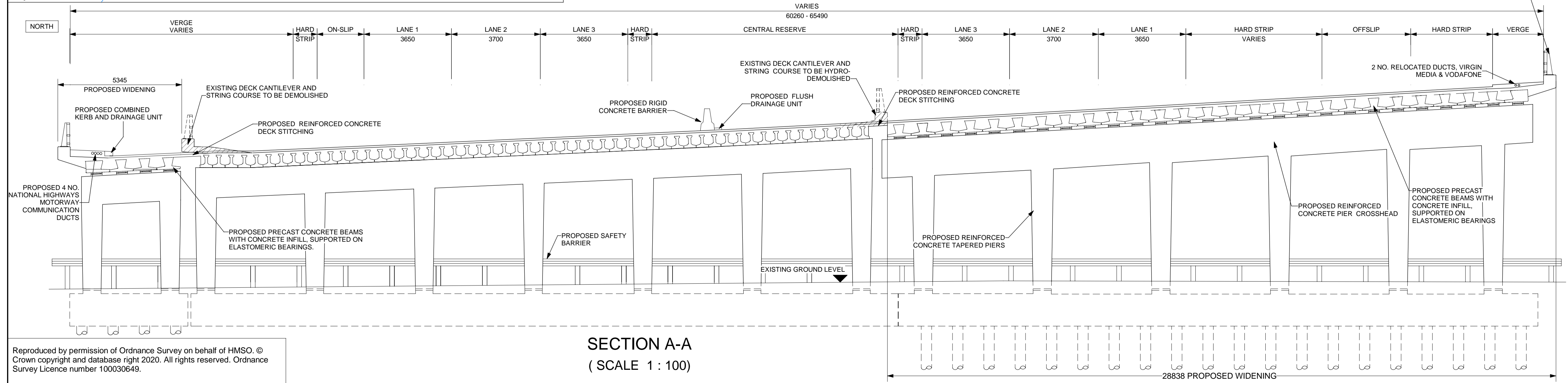
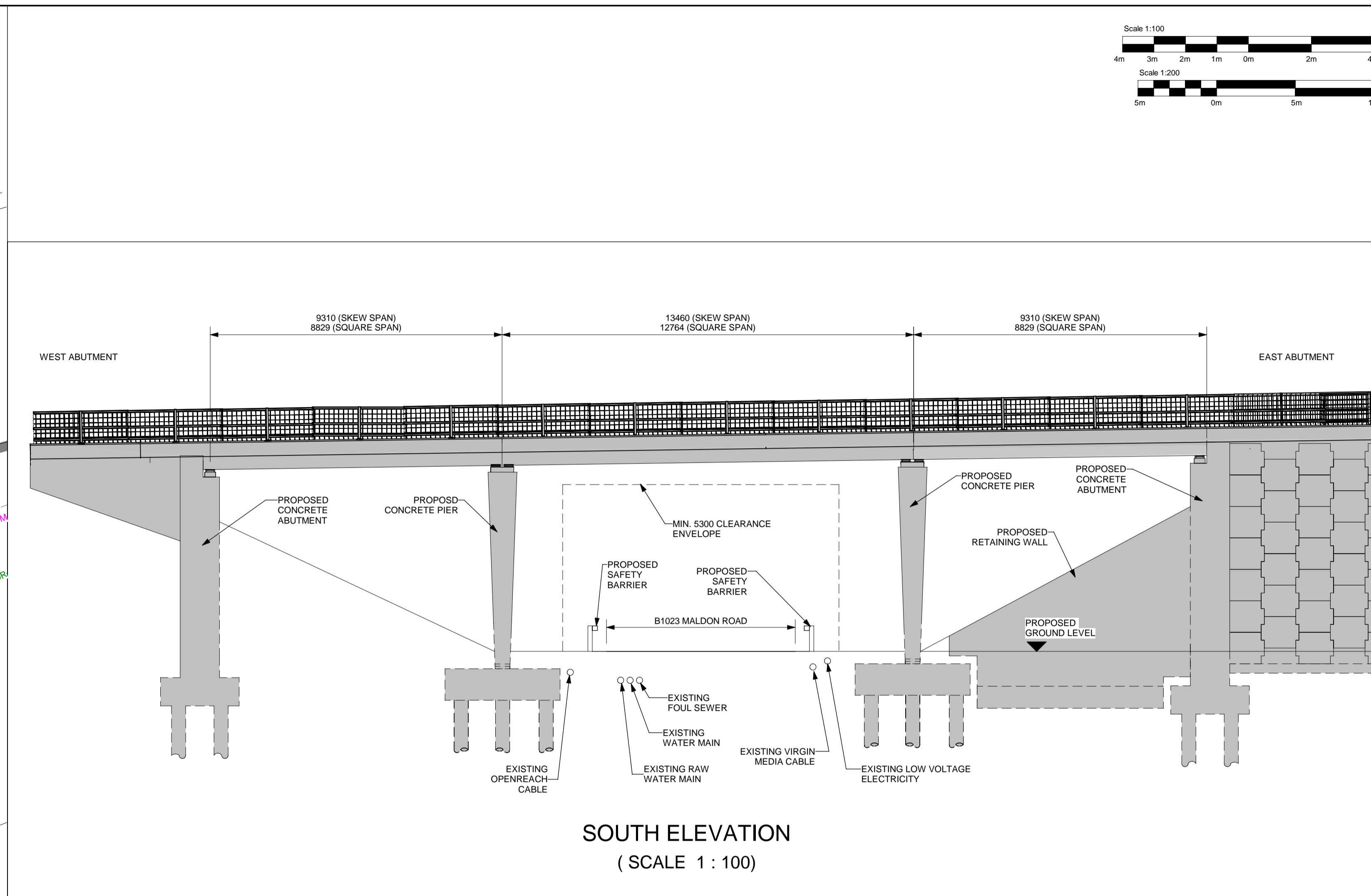
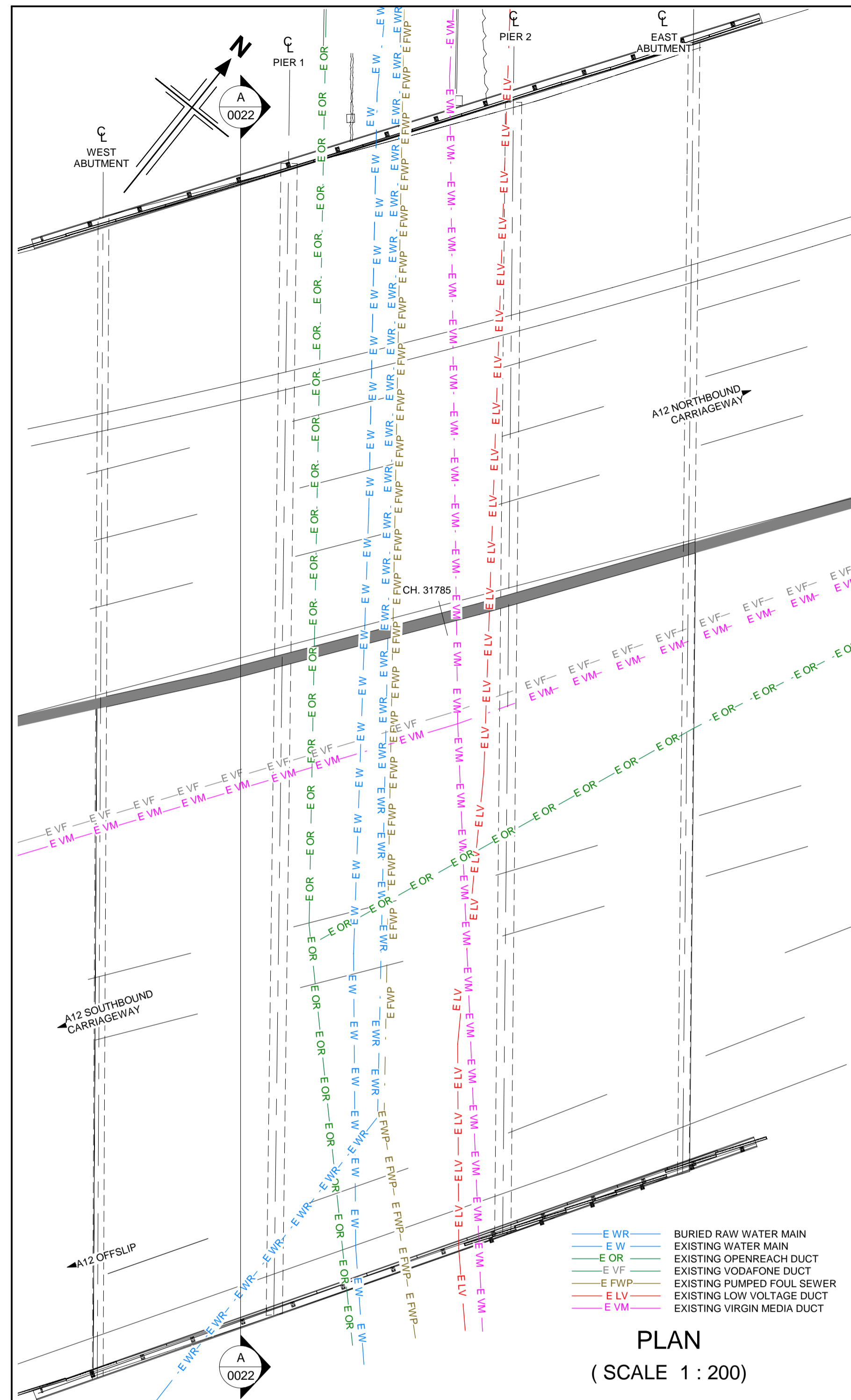


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

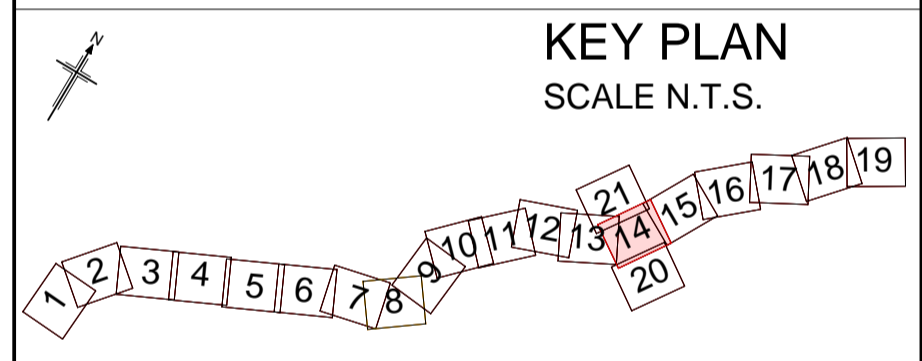
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
NEW JUNCTION 24 UNDERBRIDGE - WORK No. 74(a) - CH. 31262 (PROPOSED STRUCTURE)
SHEET 21 OF 30

Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)	
Purpose of issue	DCO APPLICATION	
State Code	Preliminary	
Project Stage	PCF3	Drawing status
Scale at A1 (841x594mm)	AS SHOWN	S4
Jacobs No.	B36601D1	Rev
Client no.	HE551497	P01
Drawing number	PIN	Originator
HE551497	JAC	LDC
Location	SCHW	Type Role Number
		DR S 0021

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- 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	Appr'd

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



Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

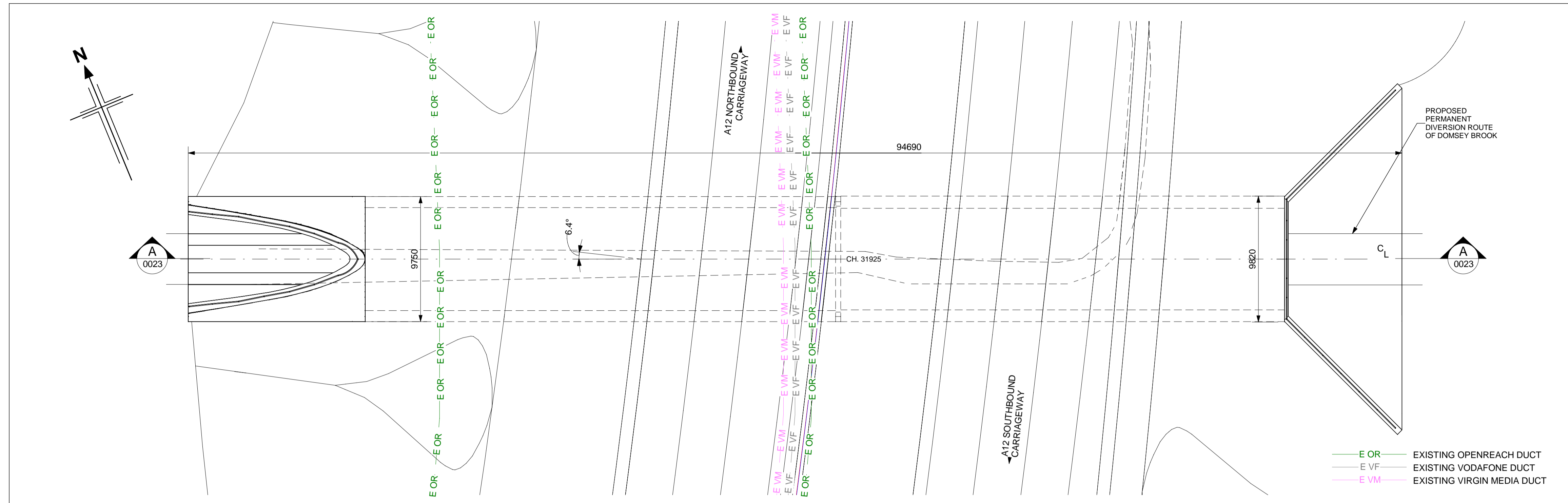
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
PARK UNDERBRIDGE - WORK No. 45(a) & 45(b) - CH. 31785
(EXISTING STRUCTURE - PHYSICAL WIDENING)
SHEET 22 OF 30

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

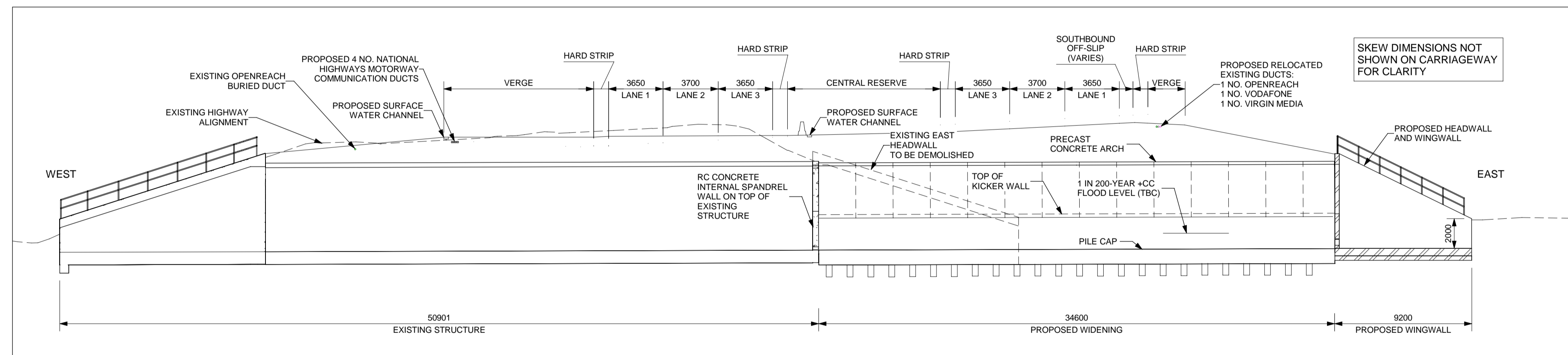
Drawing number: HE551497
Originator: JAC
Volume: LDC
Location: SCHW
Type: DR
Role: S
Number: 0022

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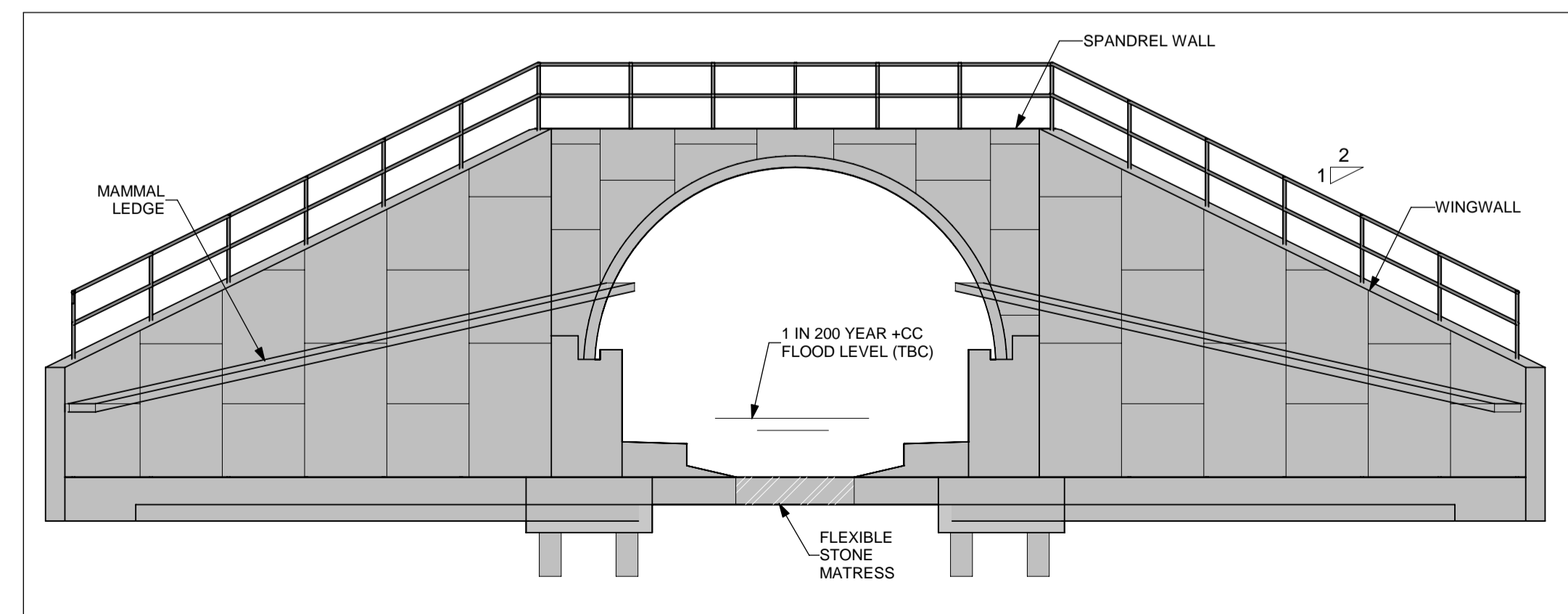
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PLAN
(SCALE 1 : 200)

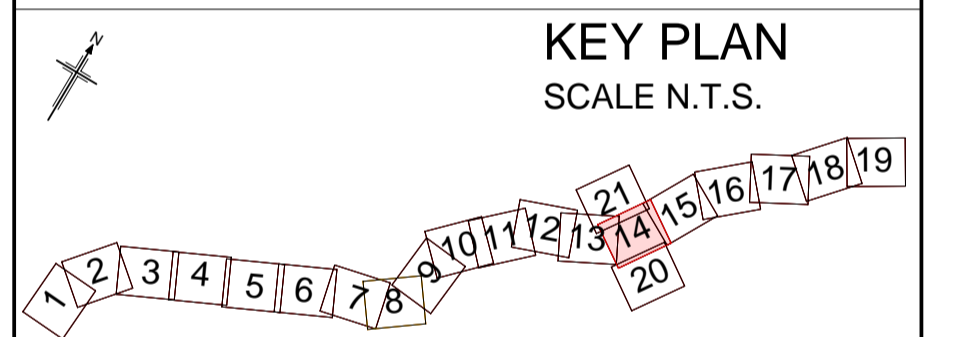


SECTION A-A
(SCALE 1 : 200)



EAST ELEVATION
(SCALE 1 : 100)

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
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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: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.12

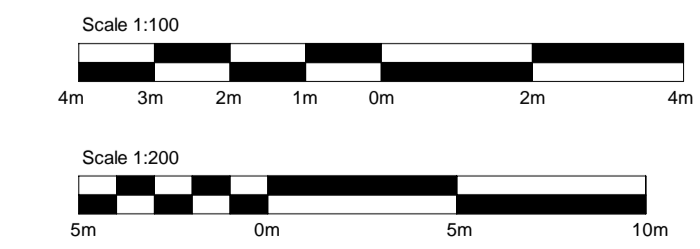


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

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

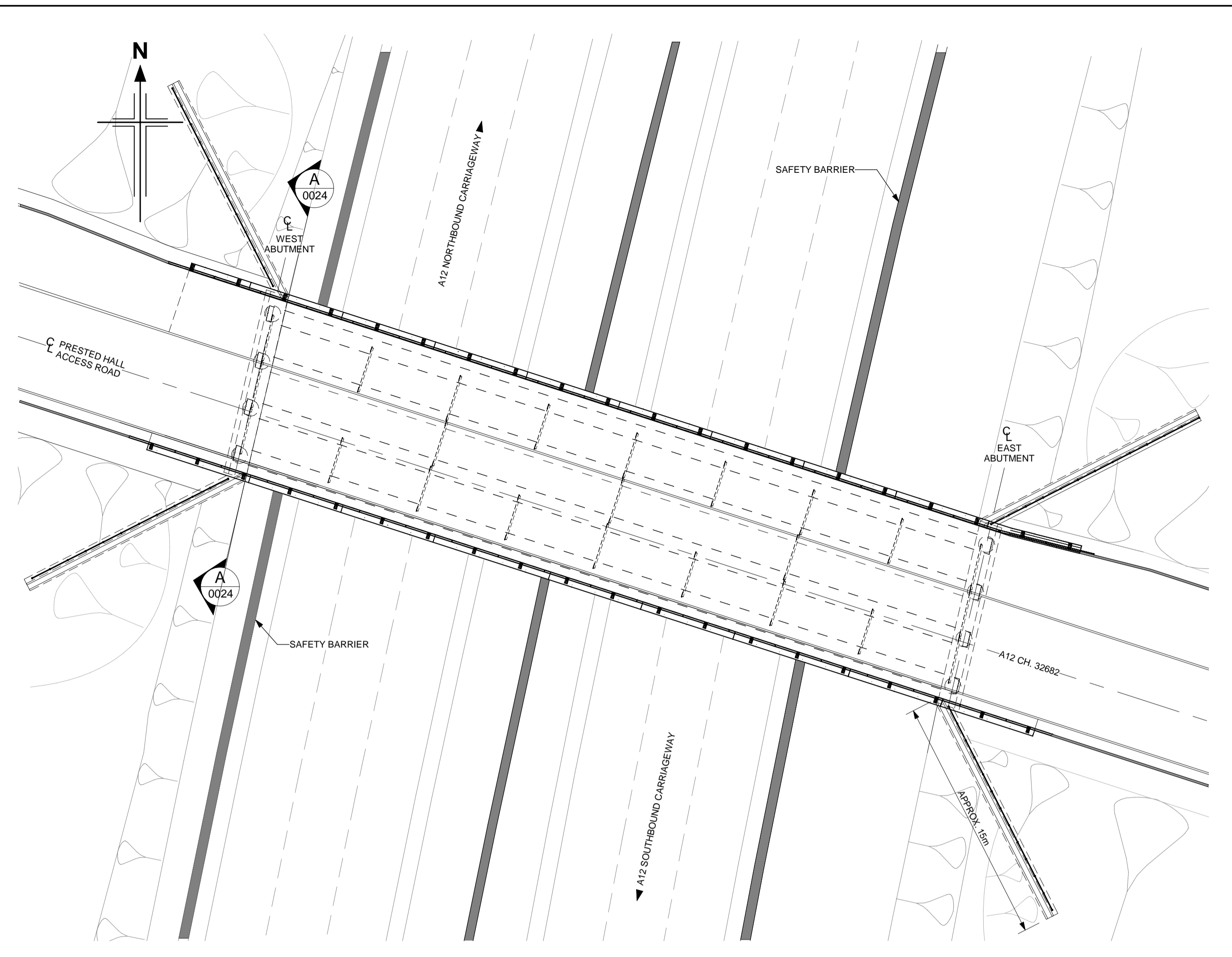
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary			Drawing status	
Project Stage	PCF3			S4	
Scale at A1 (841x594mm)	AS SHOWN			Rev	
Jacobs No.	B36601D1			P01	
Client no.	HE551497				

Drawing number: HE551497
PIN: JAC
Originator: LDC
Volume: 20
Location: SCHW
Type: DR
Role: S
Number: 0023

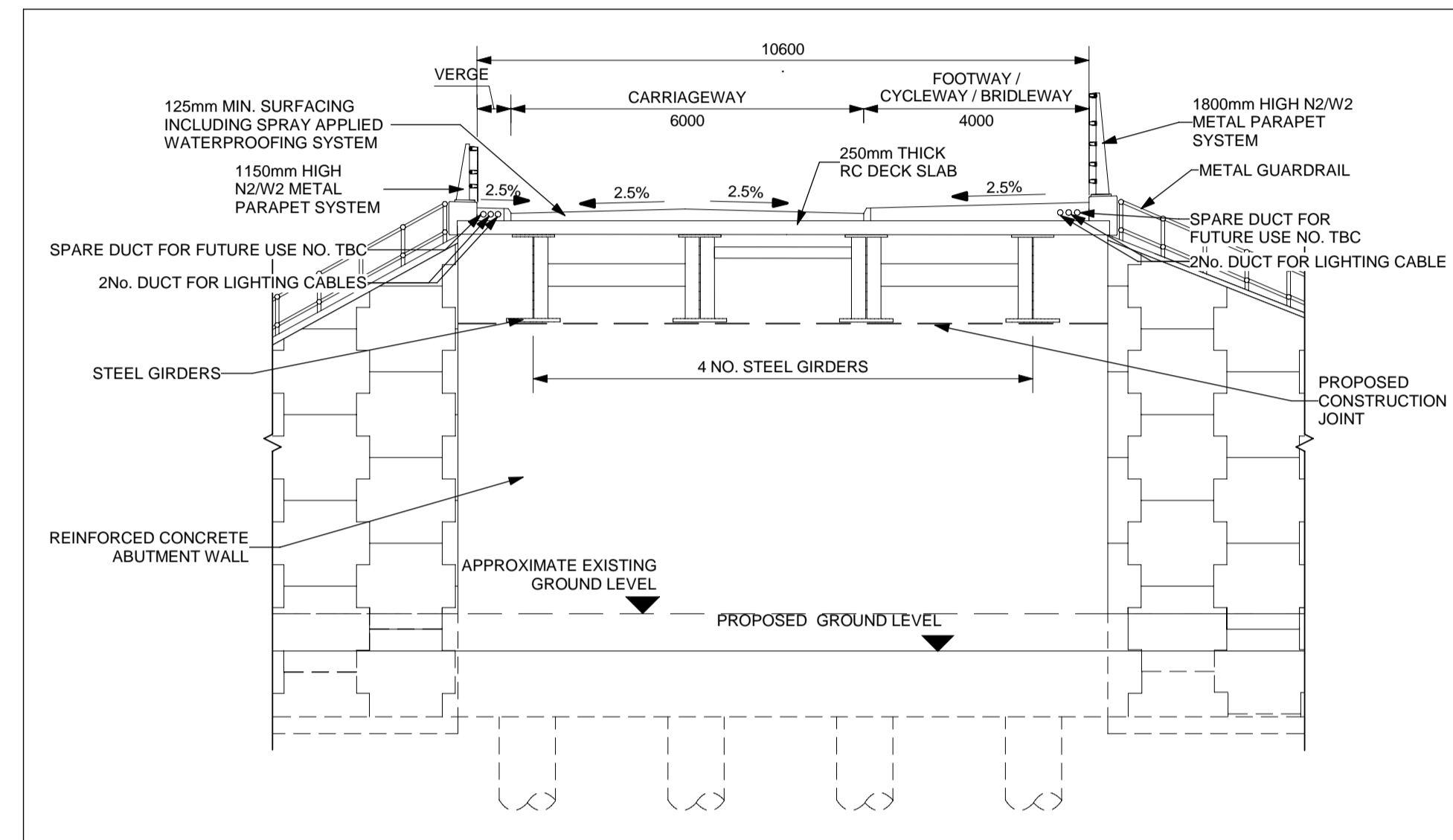


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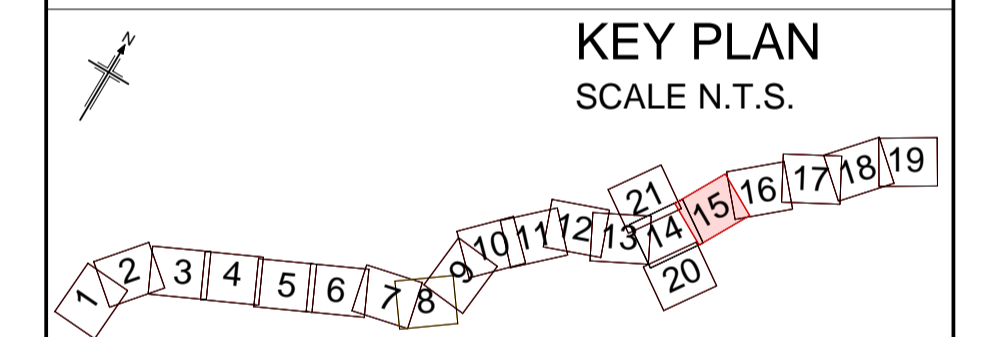


PLAN
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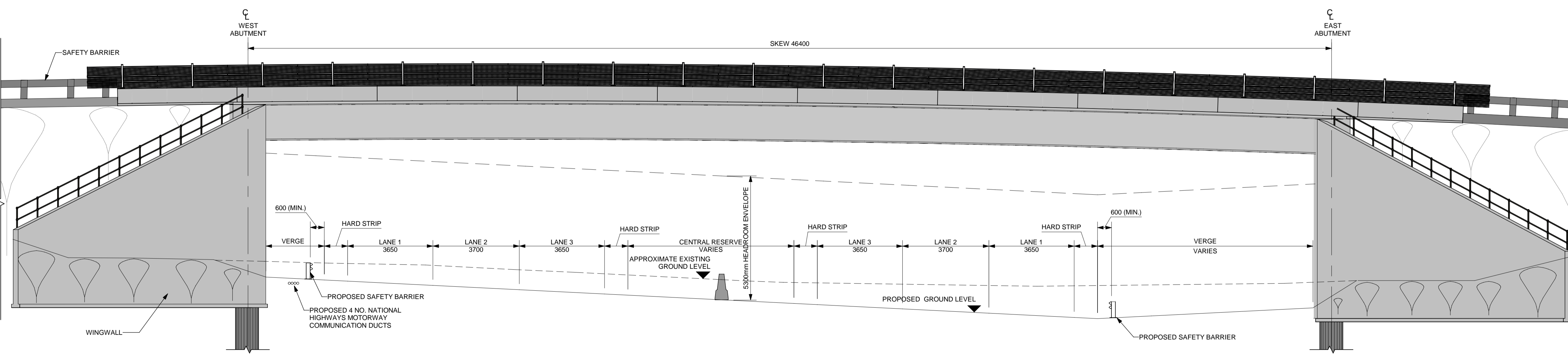


SECTION A-A
(SCALE 1 : 100)

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
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KEY PLAN
SCALE N.T.S.



SOUTH ELEVATION
(SCALE 1 : 100)

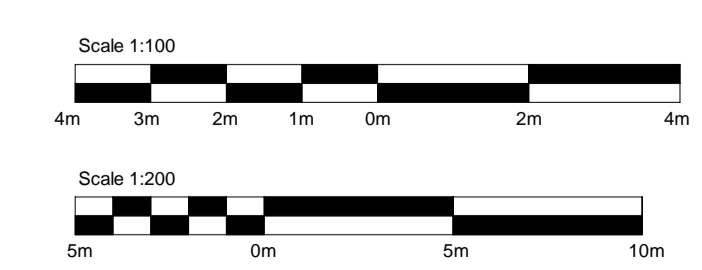
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
Development Consent Order Number: TR010060			Development Consent Order Drawing Number: TR010060/APP/2.12			



Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

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

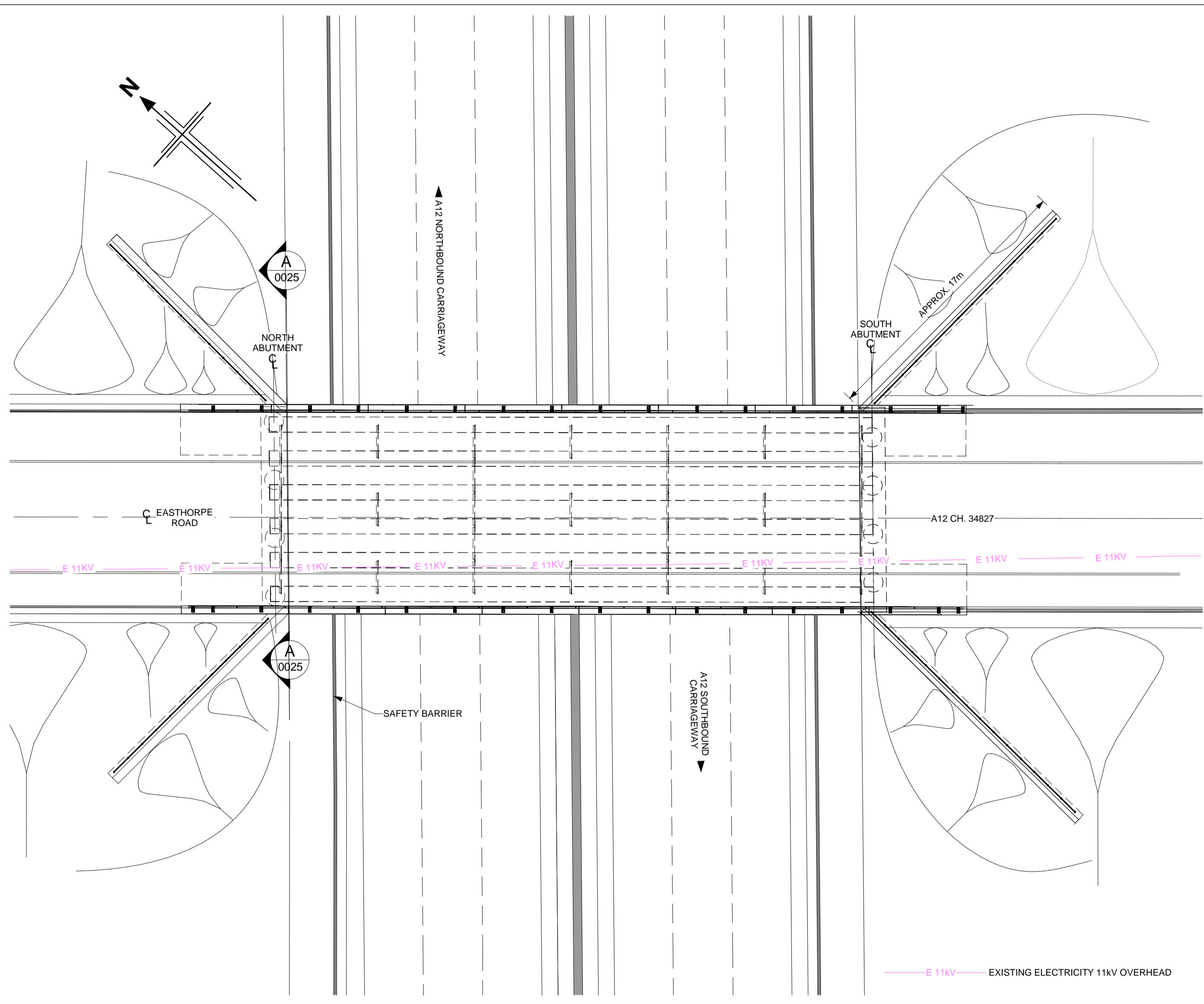
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF3			S4	
Scale at A1 (841x594mm)	AS SHOWN				Rev
Jacobs No.	B36601D1			P01	
Client no.	HE551497				



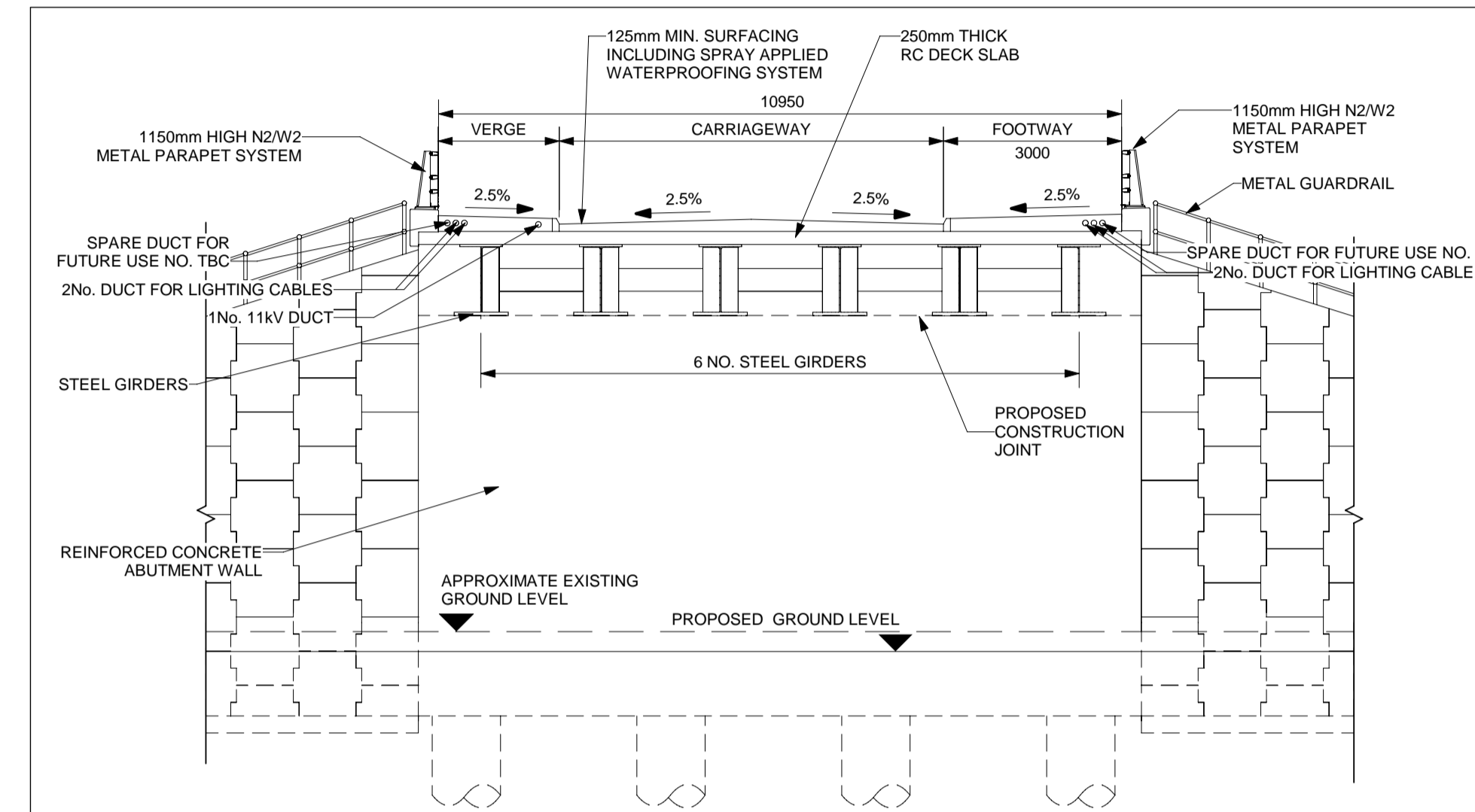
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
Location	SCHW	Type	Role
		DR	S
			0024

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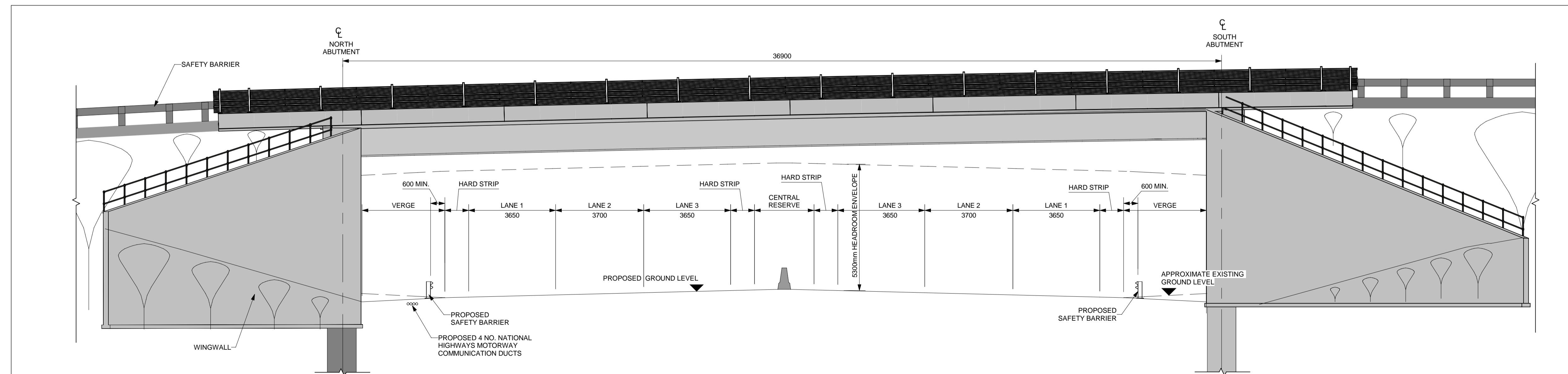
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PLAN
(SCALE 1 : 200)

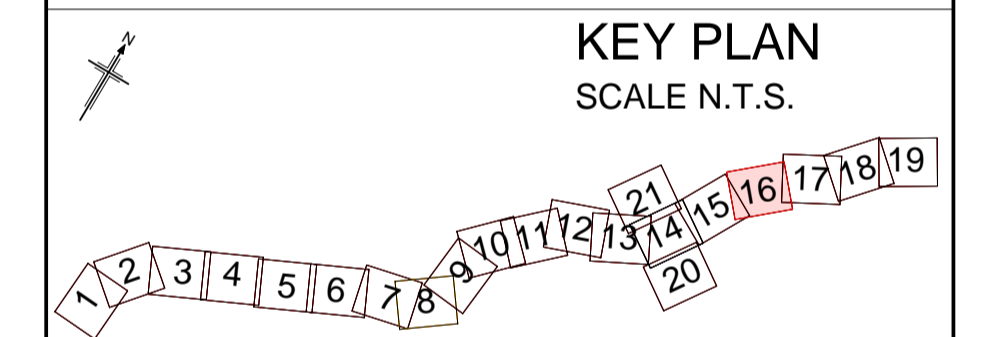


SECTION A-A
(SCALE 1 : 100)



WEST ELEVATION
(SCALE 1 : 100)

- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
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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

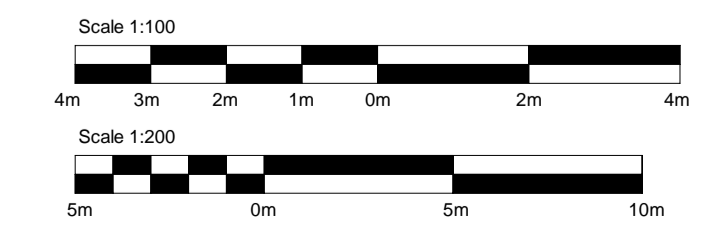


Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

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

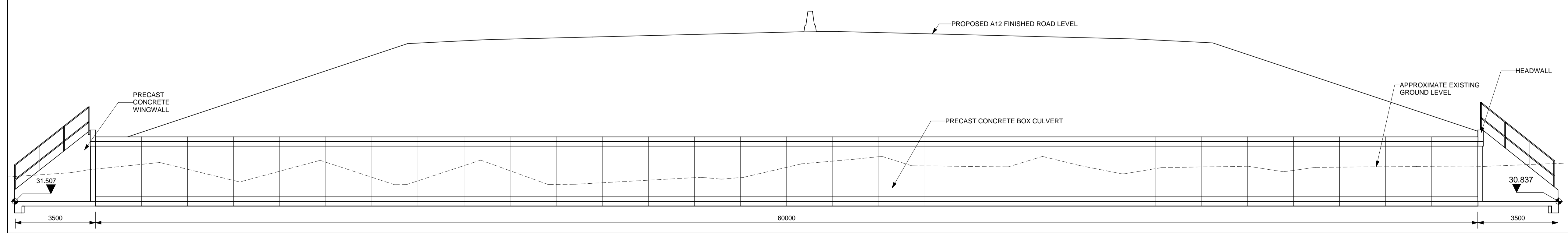
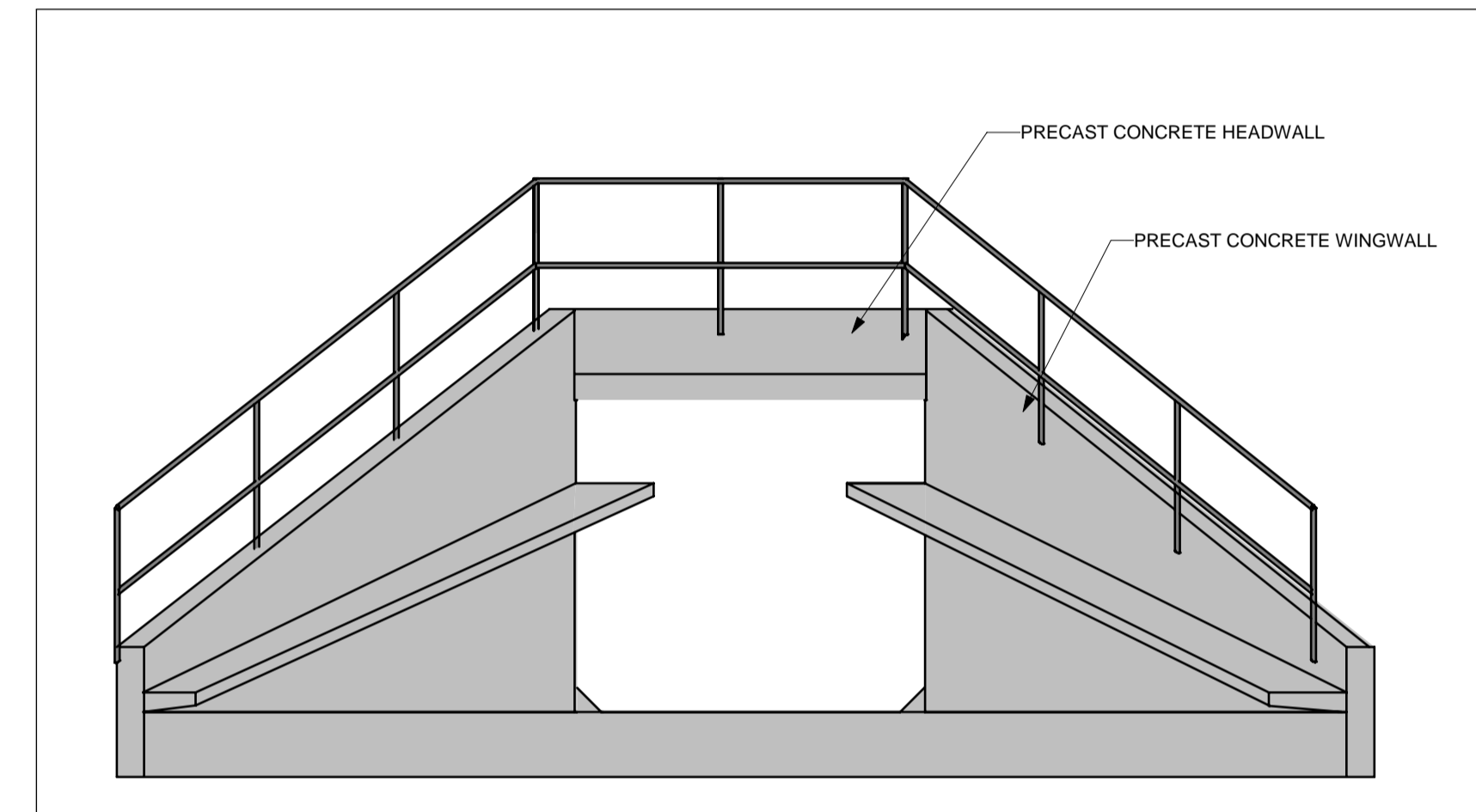
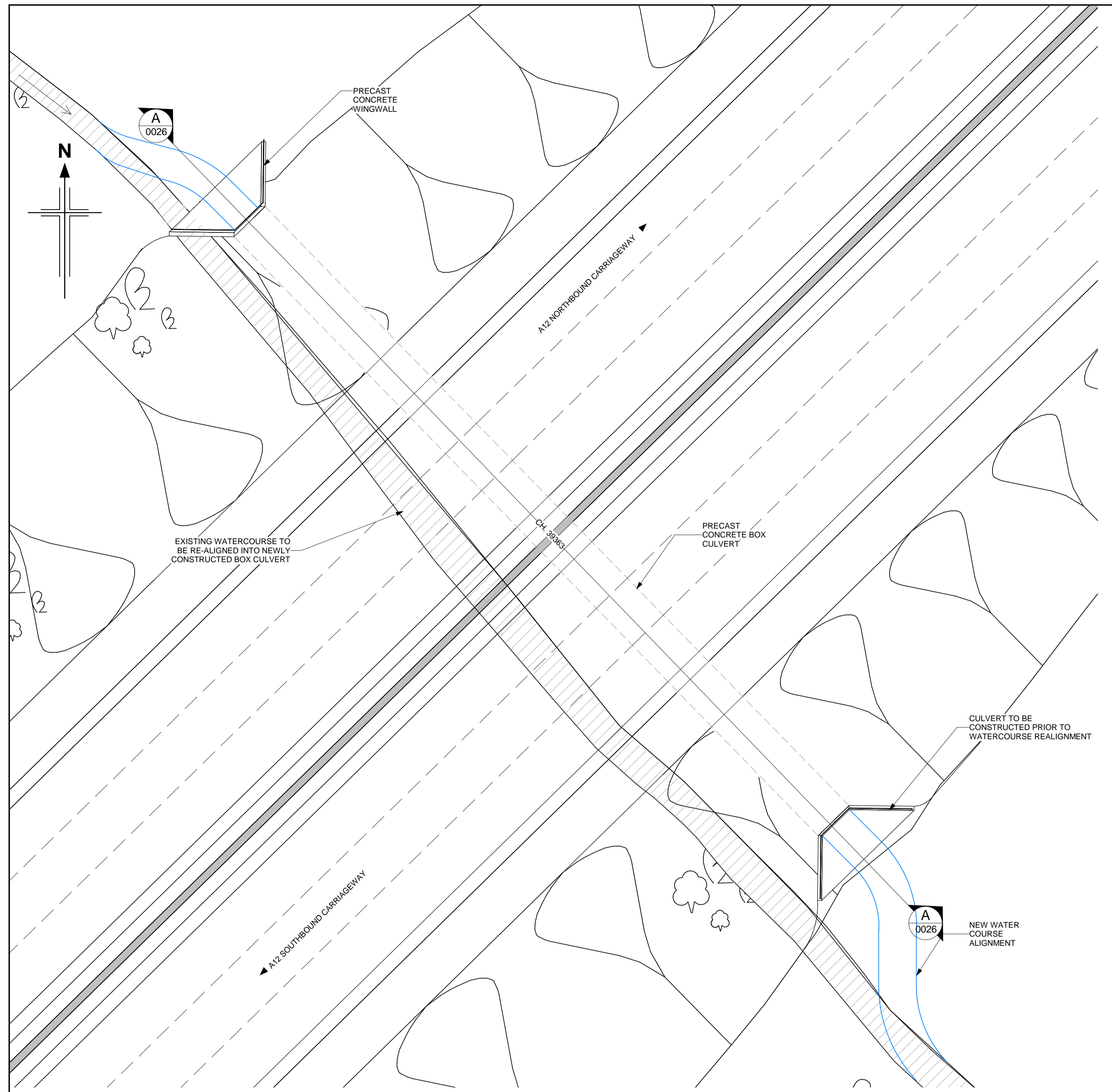
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)	
Purpose of issue	DCO APPLICATION	
State Code	Preliminary	
Project Stage	PCF3	Drawing status
Scale at A1 (841x594mm)	AS SHOWN	S4
Jacobs No.	B36601D1	Rev
Client no.	HE551497	P01

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

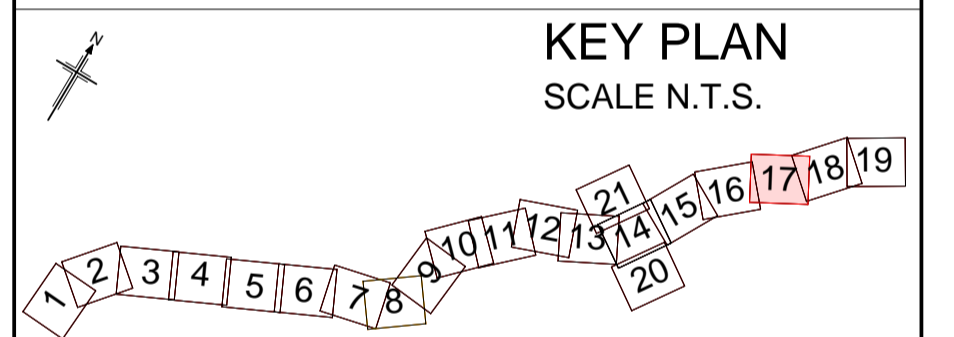


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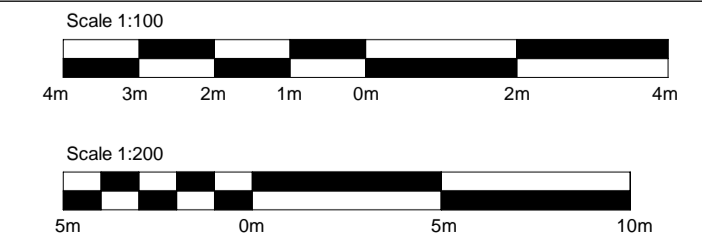
P01	13/06/2022	FINAL FOR DCO SUBMISSION	OP	JPH	RC	DT
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
Development Consent Order Number:			Development Consent Order Drawing Number:			
TR010060			TR010060/APP/2.12			



Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

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

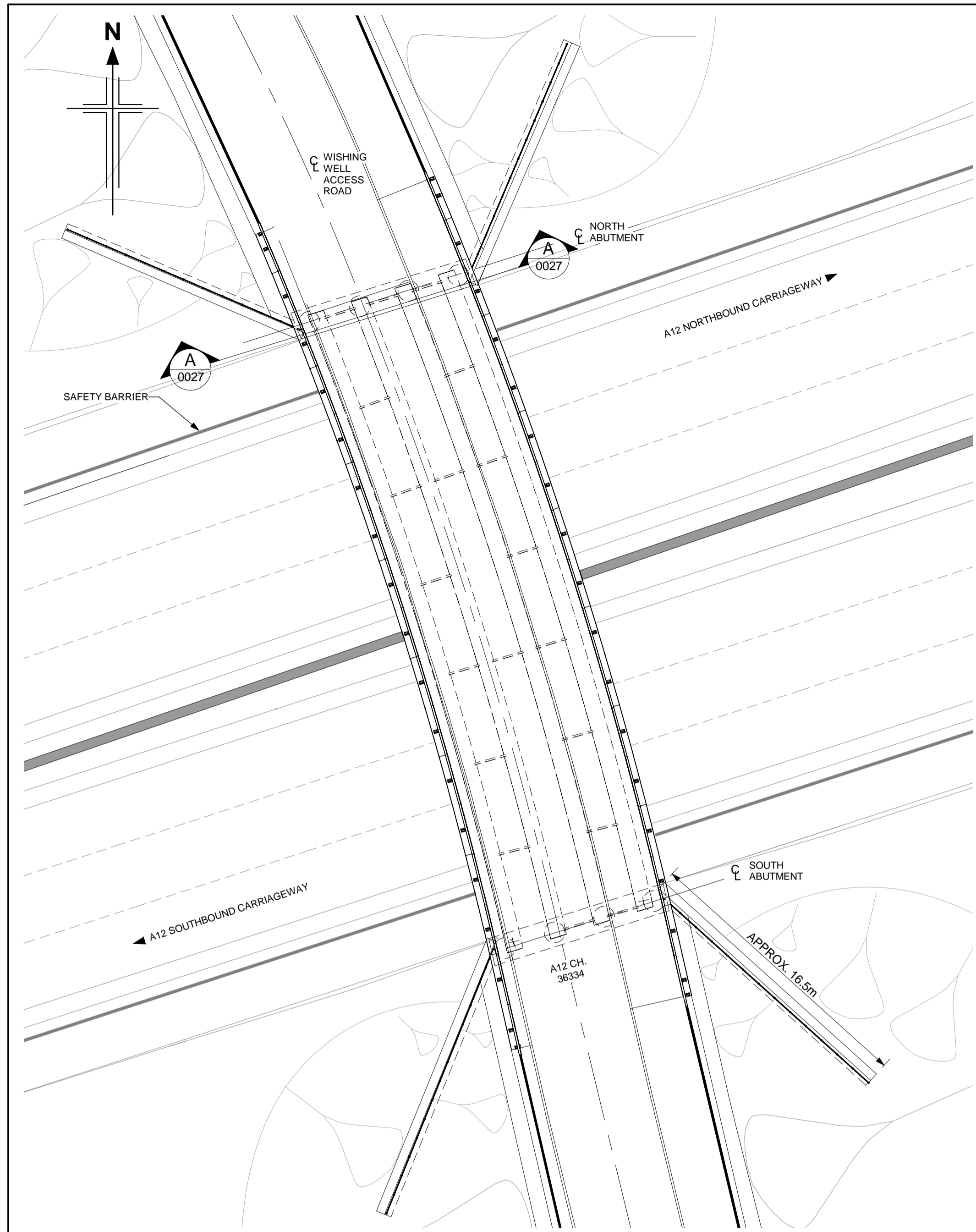
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				
Project Stage	PCF3	Drawing status			S4
Scale at A1 (841x594mm)	AS SHOWN				
Jacobs No.	B36601D1	Rev			P01
Client no.	HE551497				



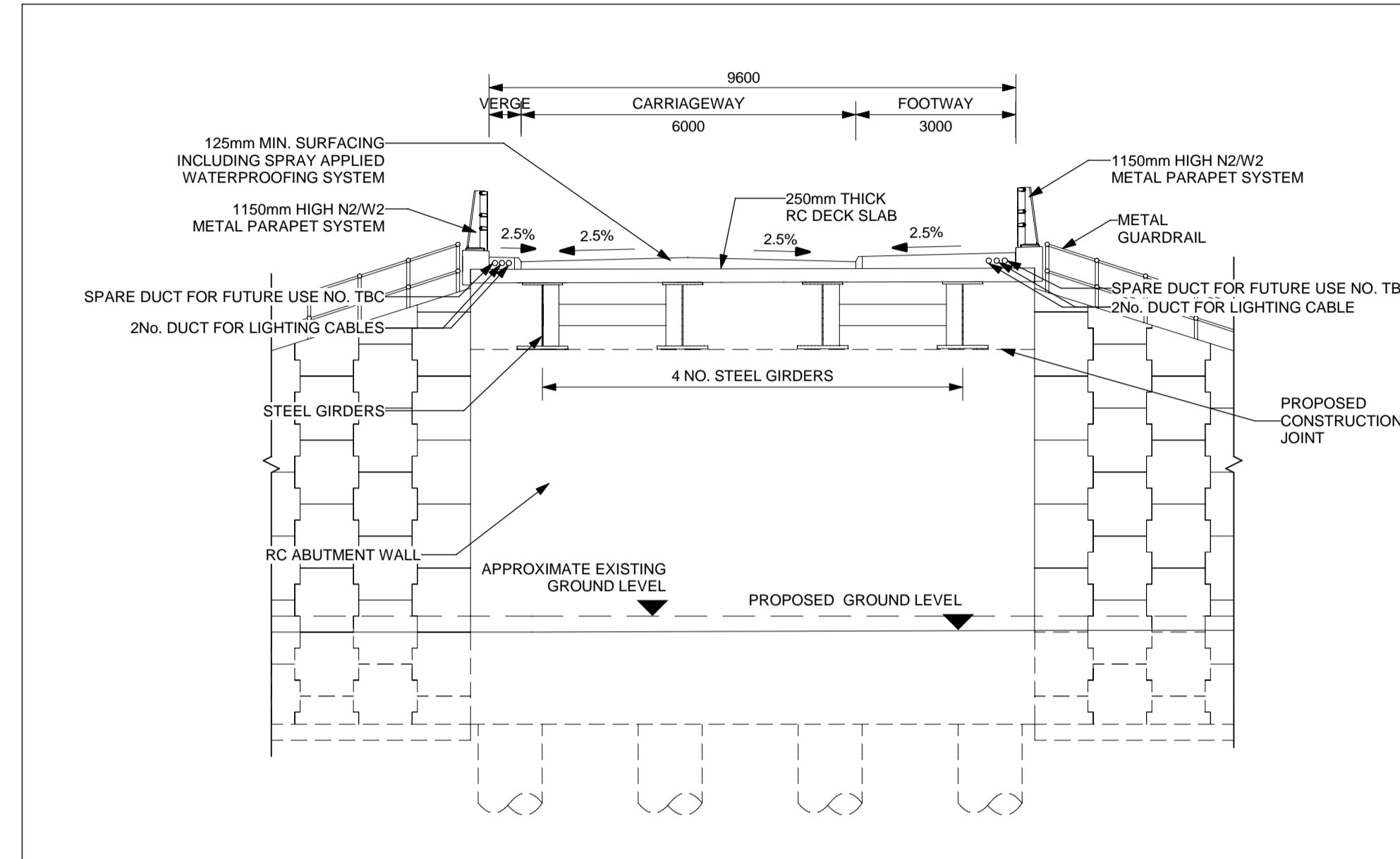
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
Location	SCHW	Type	Role
		DR	Number
			S 0026

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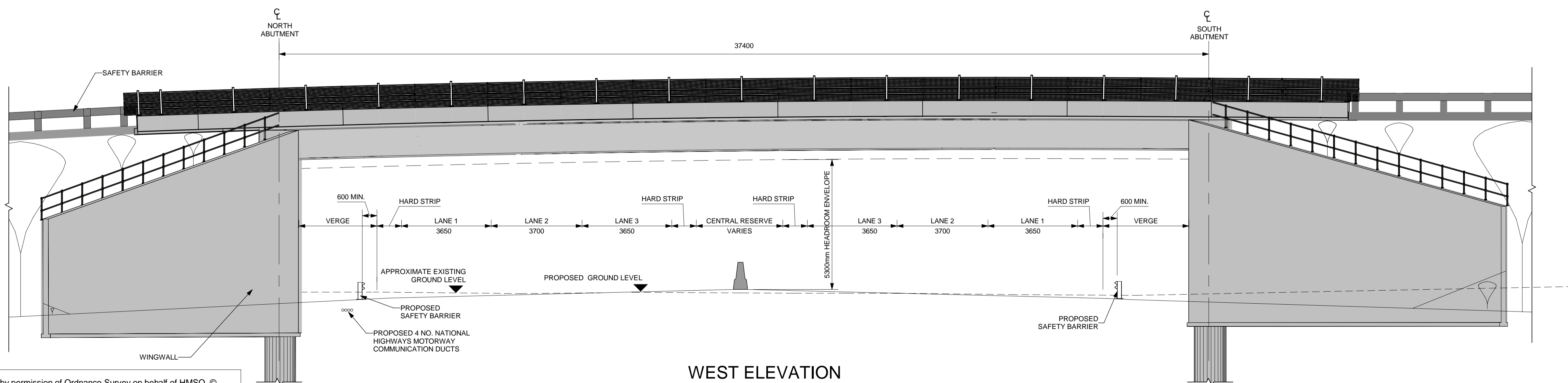
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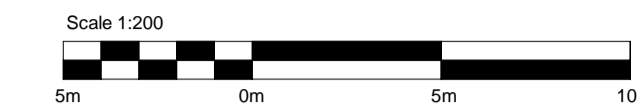
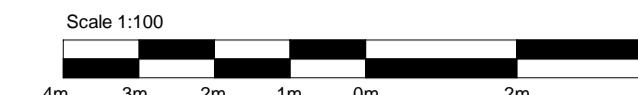
PLAN
(SCALE 1 : 200)



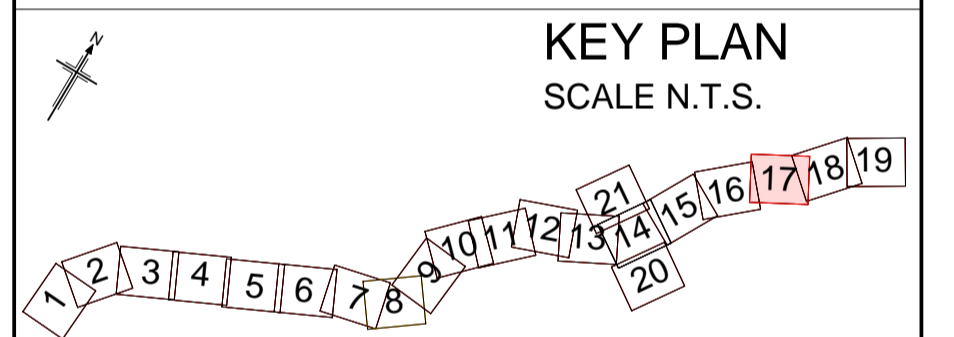
SECTION A-A
(SCALE 1 : 100)



WEST ELEVATION
(SCALE 1 : 100)



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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
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Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

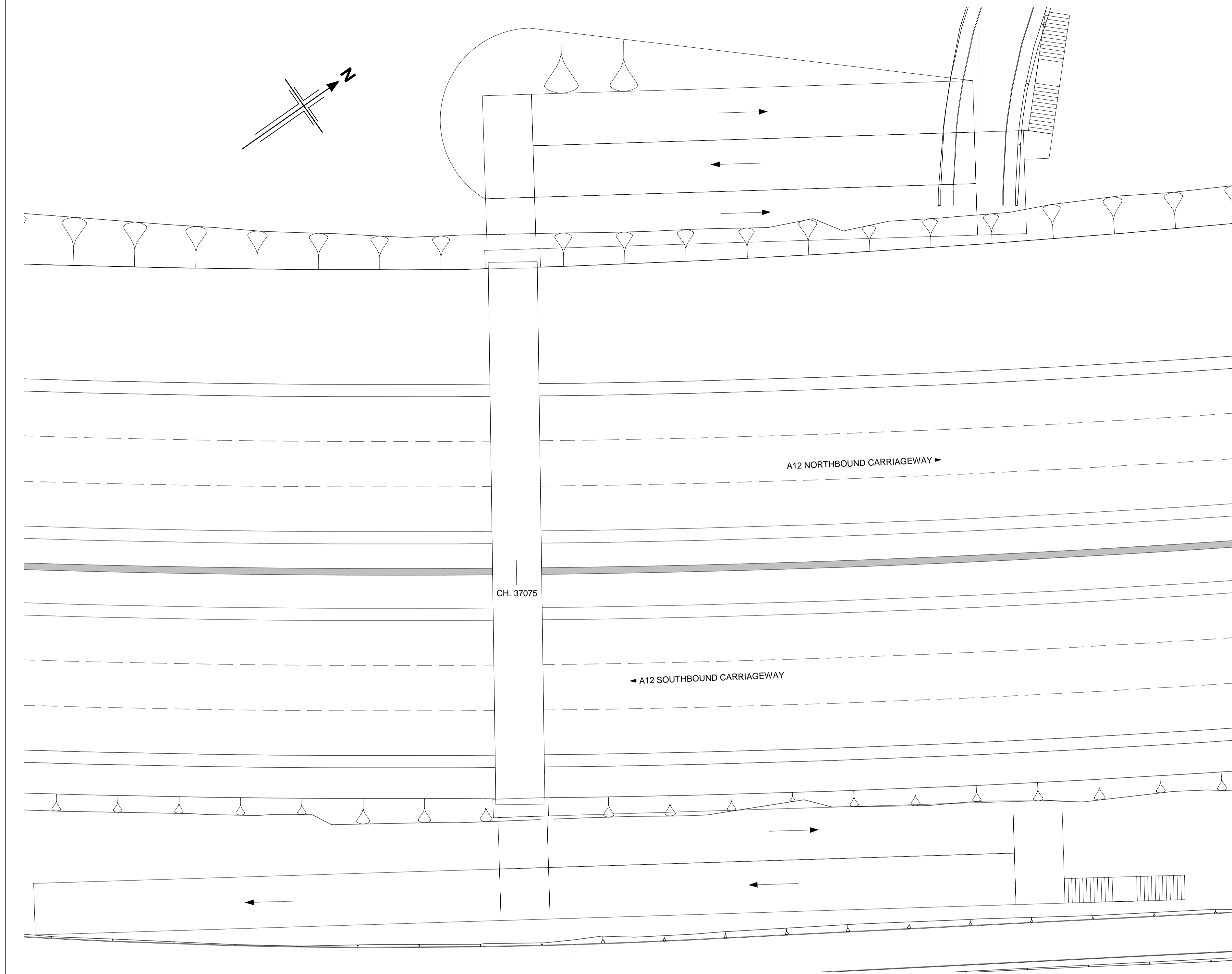
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
WISHING WELL OVERBRIDGE - WORK No. 94(c) - CH. 36334
(PROPOSED STRUCTURE)
SHEET 27 OF 30

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

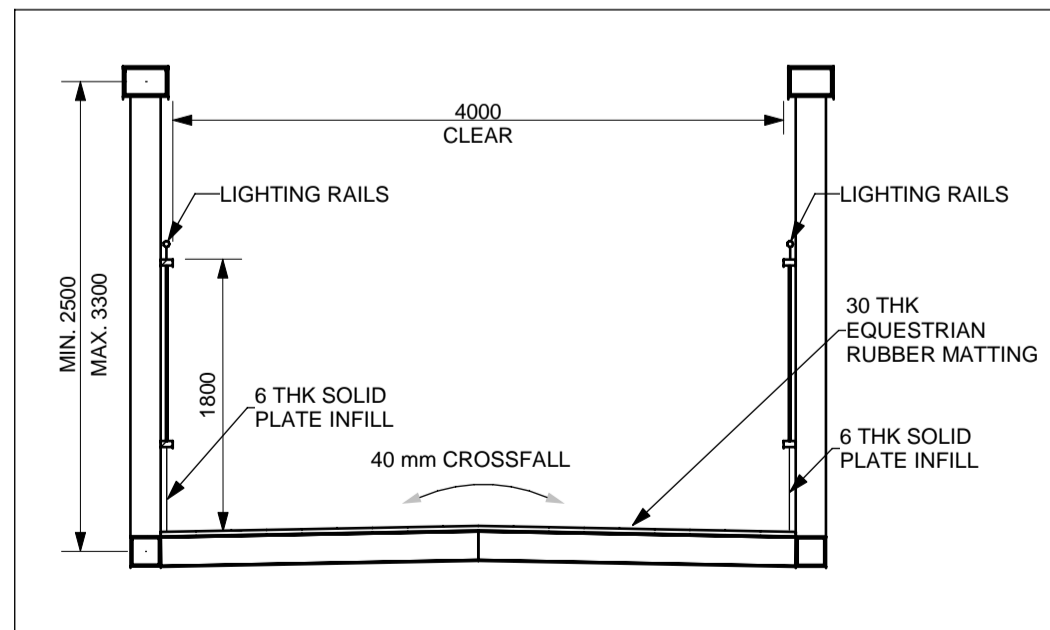
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
Location	SCHW	Type	Role
		DR	S
			0027

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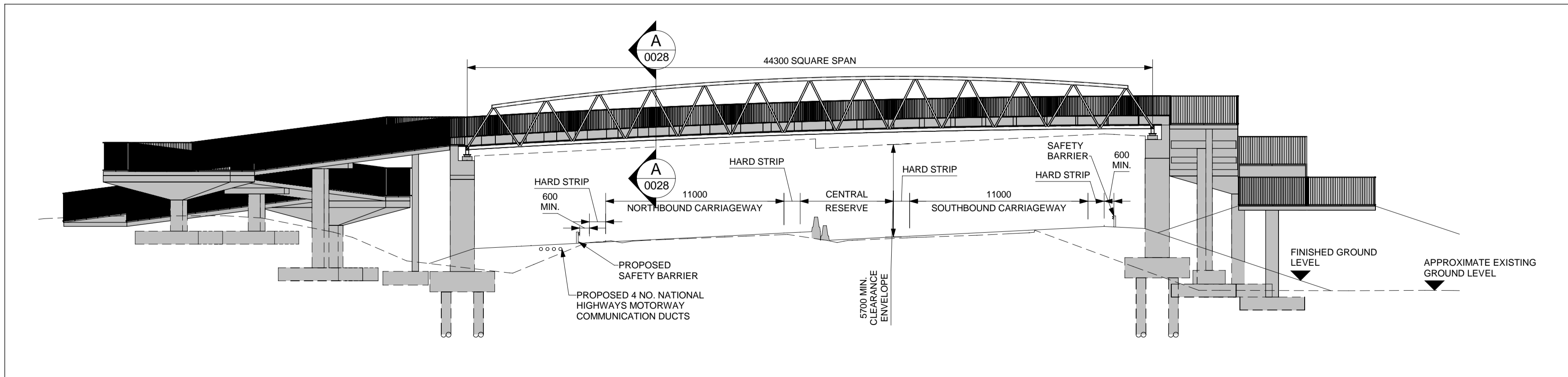
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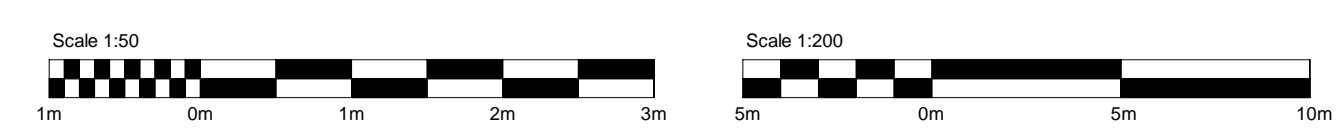
PLAN
(SCALE 1 : 200)



SECTION A-A
(SCALE 1 : 50)

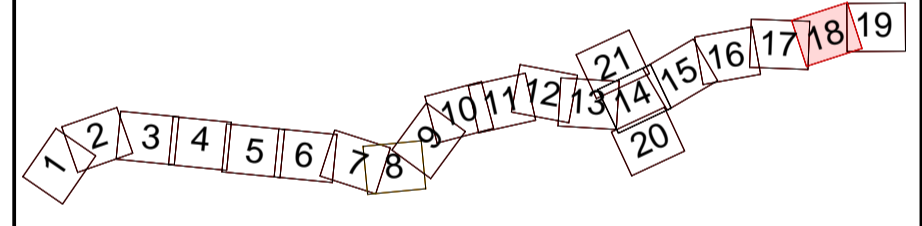


SOUTH ELEVATION
(SCALE 1 : 200)



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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:	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
POTTS GREEN BRIDGE - WORK No. 100 - CH. 37075
(PROPOSED STRUCTURE)
SHEET 28 OF 30**

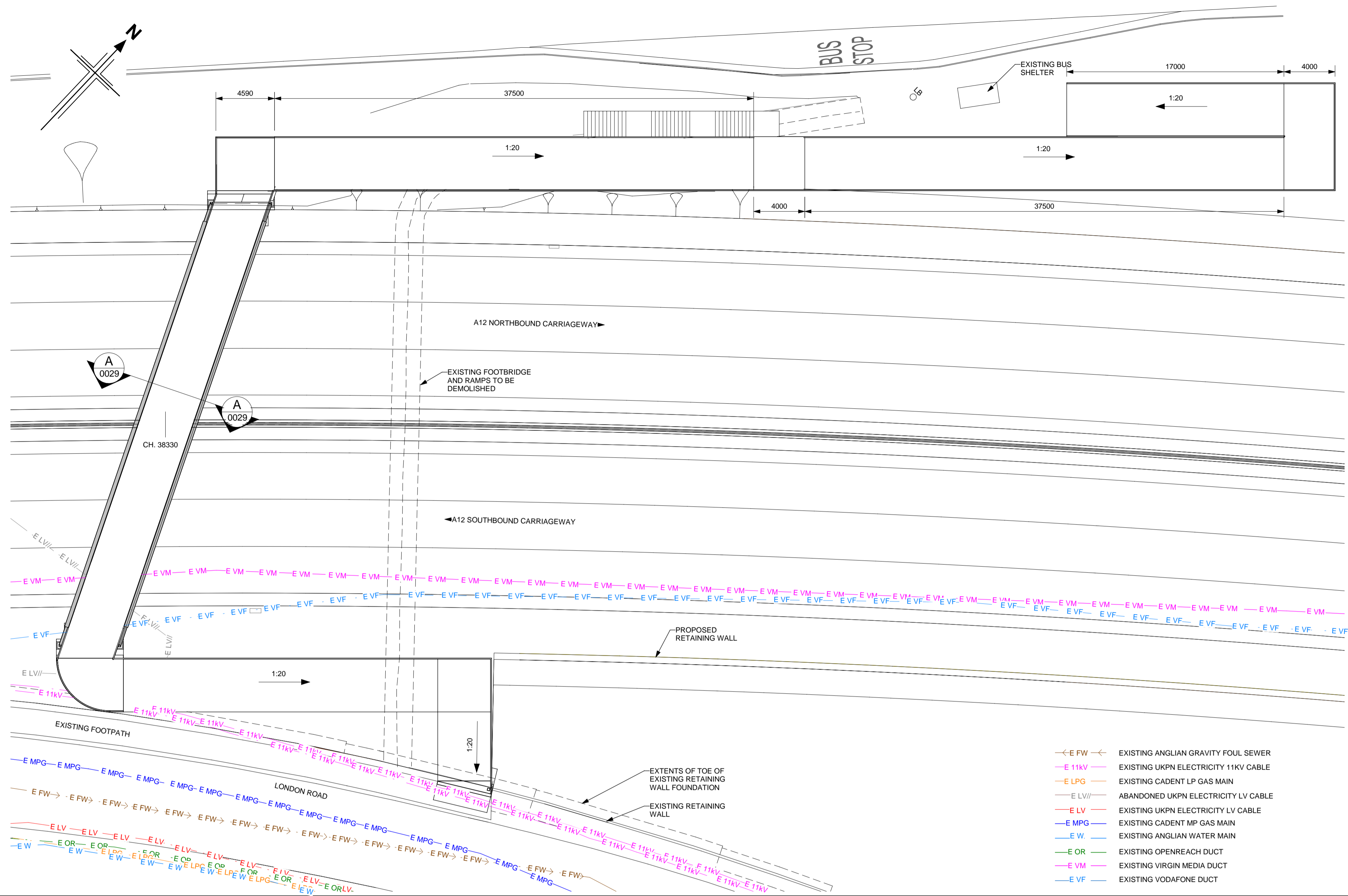
Regulation	REGULATION 5(2)(o), 5(2)(p) & 6(2)	
Purpose of issue	DCO APPLICATION	
State Code	Preliminary	
Project Stage	PCF3	Drawing status
Scale at A1 (841x594mm)	AS SHOWN	S4
Jacobs No.	B36601D1	Rev
Client no.	HE551497	P01

Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
Location	SCHW	Type	Role
		DR	S
			0028

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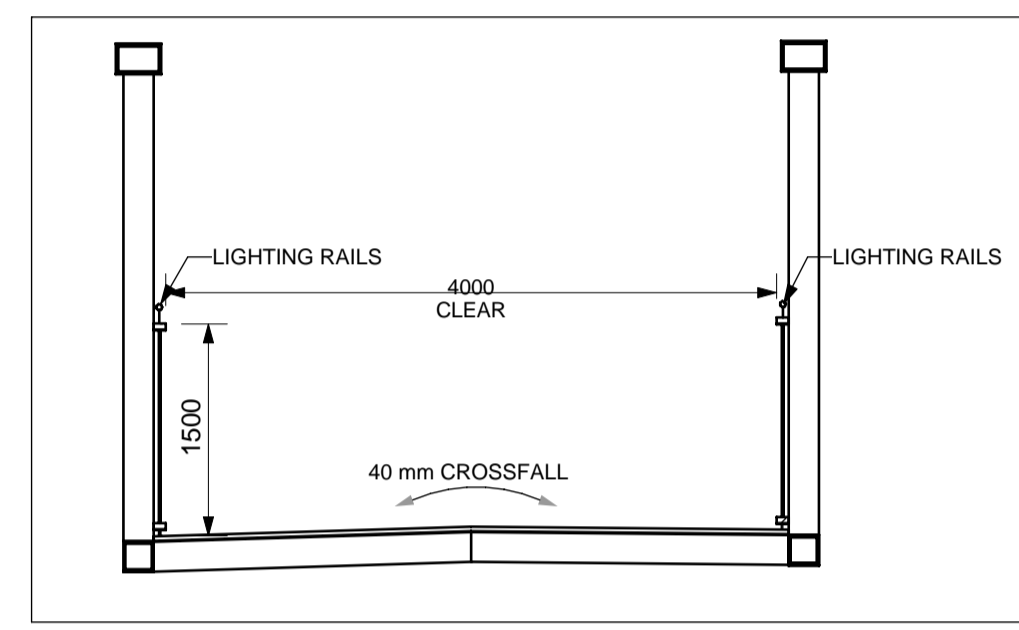
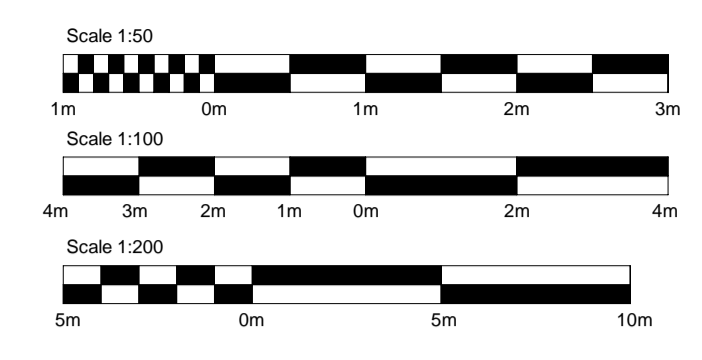
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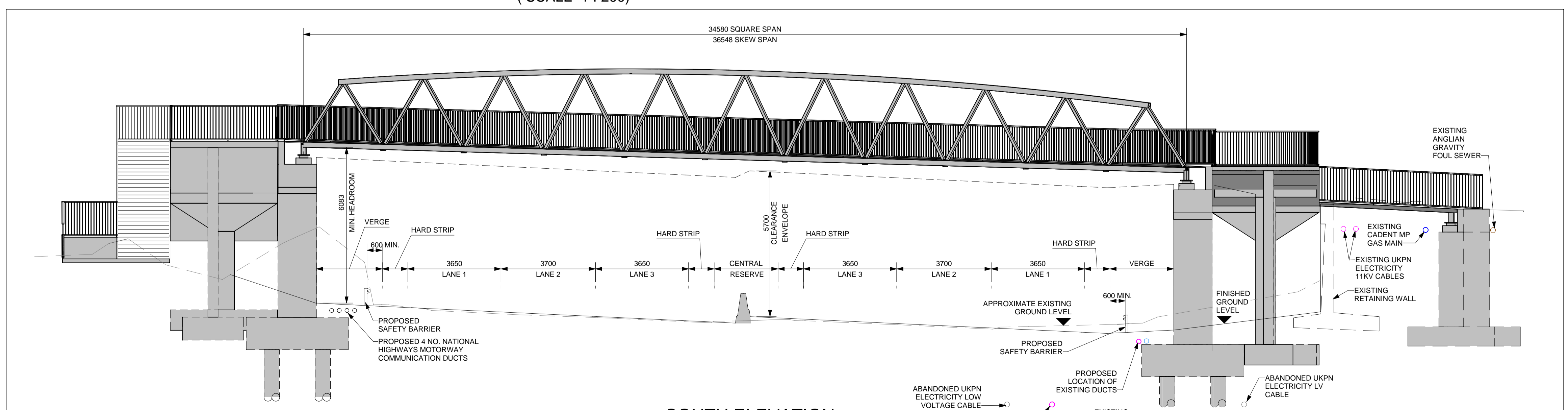


PLAN
(SCALE 1 : 200)

- E FW- EXISTING ANGLIAN GRAVITY FOUL SEWER
- E 11KV EXISTING UKPN ELECTRICITY 11KV CABLE
- E LPG EXISTING CADENT LP GAS MAIN
- E LV/ EXISTING UKPN ELECTRICITY LV CABLE
- E LV EXISTING CADENT MP GAS MAIN
- E W EXISTING ANGLIAN WATER MAIN
- E OR EXISTING OPENREACH DUCT
- E VM EXISTING VIRGIN MEDIA DUCT
- E VF EXISTING VODAFONE DUCT



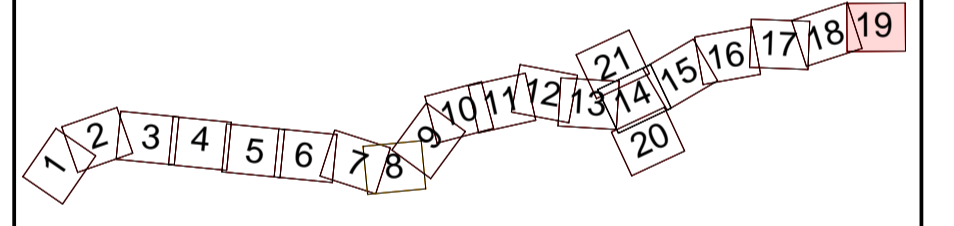
SECTION A-A
(SCALE 1 : 50)



SOUTH ELEVATION
(SCALE 1 : 100)

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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	Appr'd

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



Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

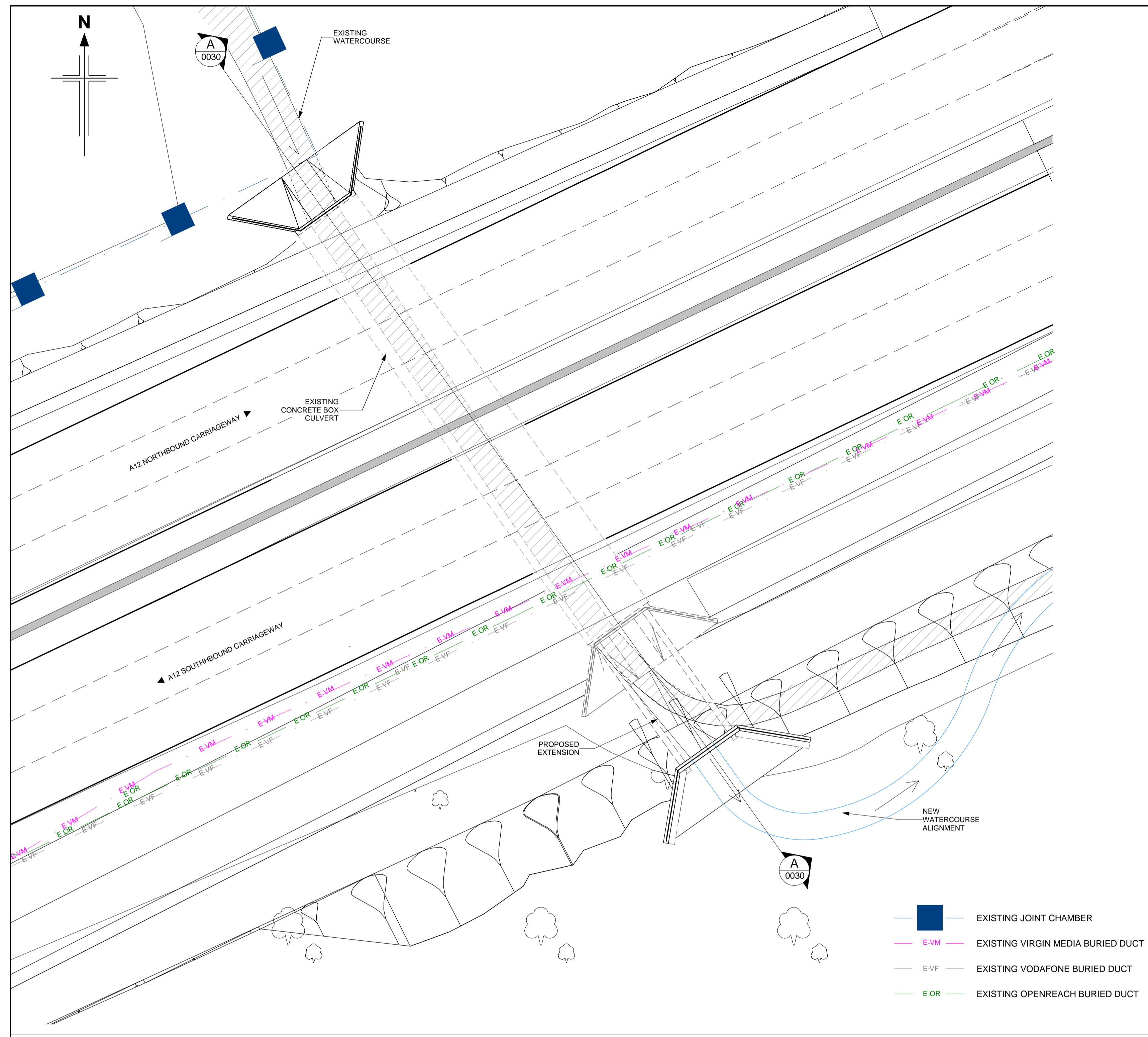
Drawing title
STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
MARKS TEY REPLACEMENT BRIDGE - WORK No. 112 - CH. 38330 (PROPOSED STRUCTURE)
SHEET 29 OF 30

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

Drawing number: HE551497
Originator: JAC
Volume: LDC
Location: SCHW
Type: DR
Role: S
Number: 0029

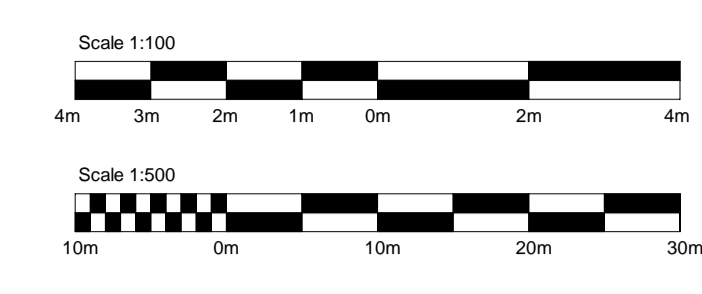
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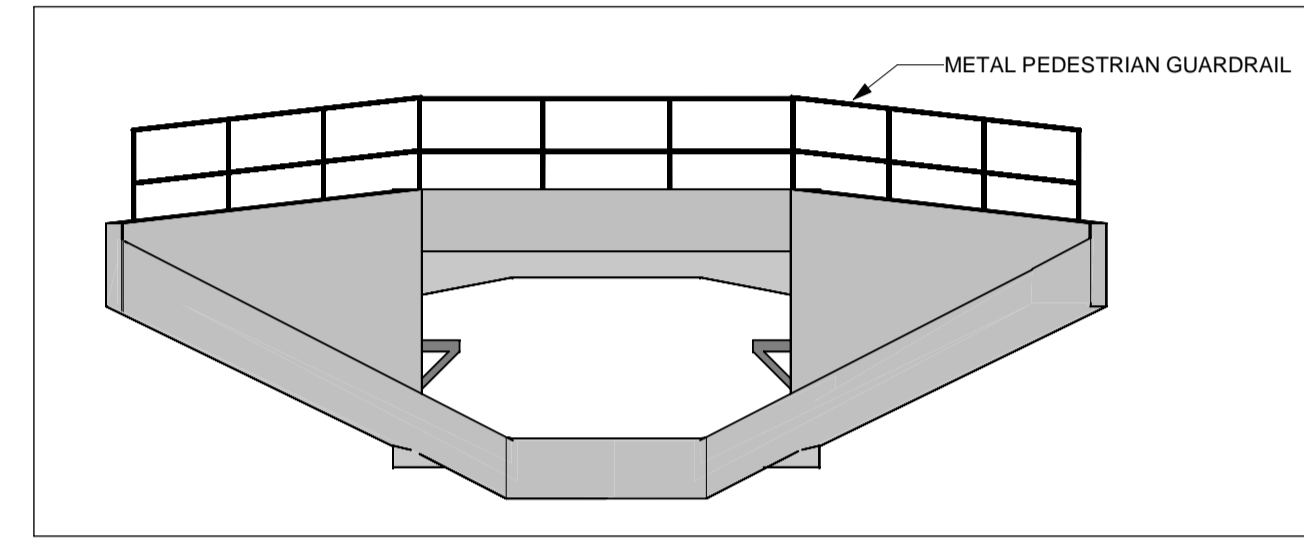


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(SCALE 1 : 200)

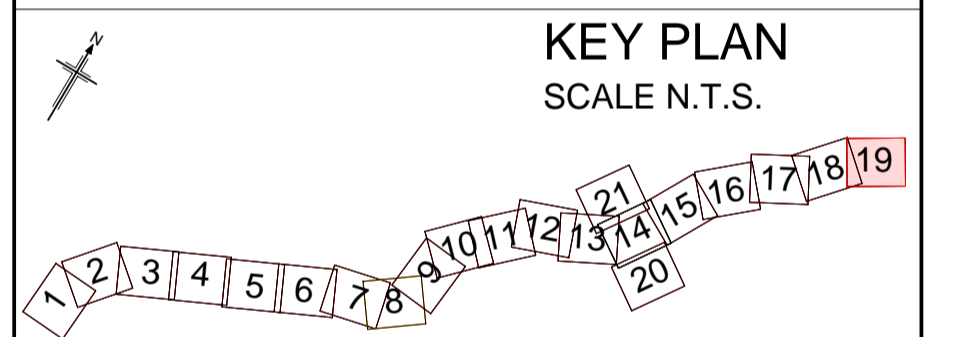
- EXISTING JOINT CHAMBER
- EXISTING VIRGIN MEDIA BURIED DUCT
- EXISTING VODAFONE BURIED DUCT
- EXISTING OPENREACH BURIED DUCT



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NORTH ELEVATION
(SCALE 1 : 100)



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

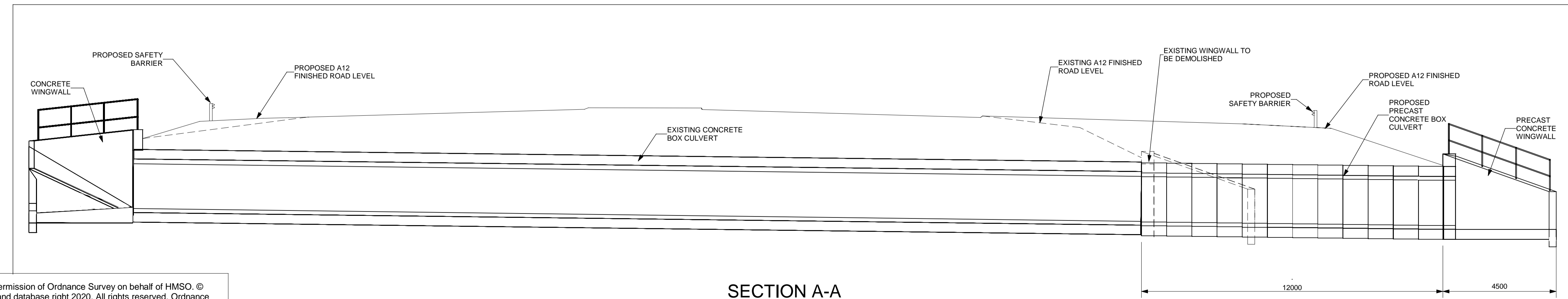


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
**STRUCTURES ENGINEERING DRAWINGS AND SECTIONS
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	Drawing status	
Scale at A1 (841x594mm)	AS SHOWN	S4	
Jacobs No.	B36601D1	Rev	
Client no.	HE551497	P01	

Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
Location	SCHW	Type	Role
		DR	S
			0030



SECTION A-A
(SCALE 1 : 100)

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