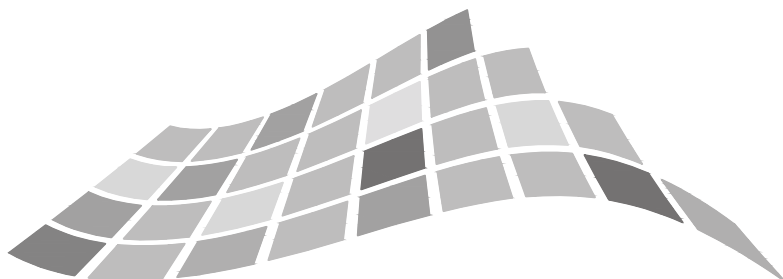
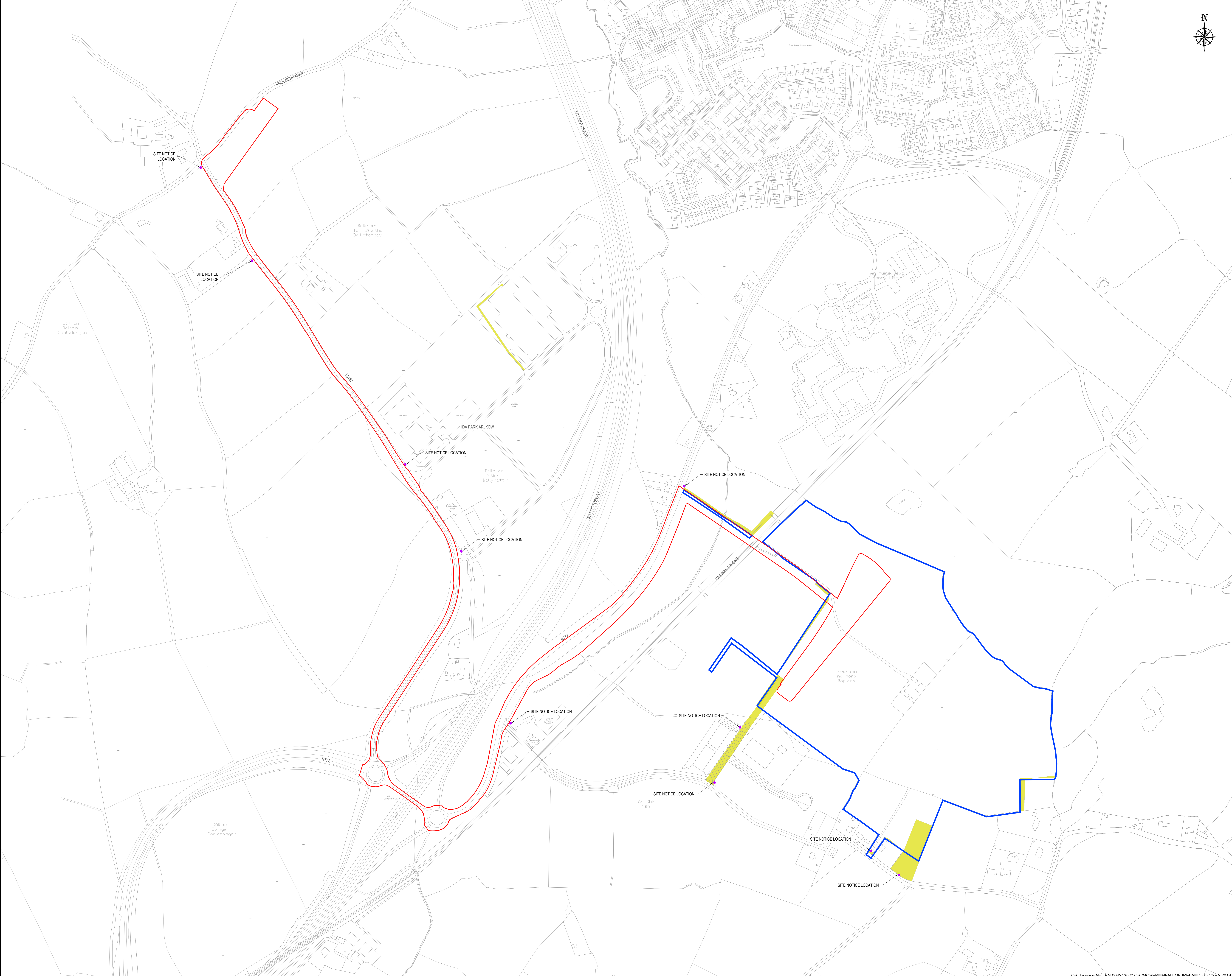


DUB 30 SUBSTATION GRID CONNECTION
PLANNING DRAWINGS

DUB 30 SUBSTATION GRID CONNECTION		
DRAWING NO	TITLE	REV
22_131 CSE GEN XX DR C 15100	COVER SHEET	PL01
22_131 CSE GEN XX DR C 15101	SITE LOCATION MAP	PL01
22_131 CSE GEN XX DR C 15110	PROPOSED GRID CONNECTION - OVERALL	PL01
22_131 CSE GEN XX DR C 15111	GRID CONNECTION, SHEET 1 OF 10	PL01
22_131 CSE GEN XX DR C 15112	GRID CONNECTION, SHEET 2 OF 10	PL01
22_131 CSE GEN XX DR C 15113	GRID CONNECTION, SHEET 3 OF 10	PL01
22_131 CSE GEN XX DR C 15114	GRID CONNECTION, SHEET 4 OF 10	PL01
22_131 CSE GEN XX DR C 15115	GRID CONNECTION, SHEET 5 OF 10	PL01
22_131 CSE GEN XX DR C 15116	GRID CONNECTION, SHEET 6 OF 10	PL01
22_131 CSE GEN XX DR C 15117	GRID CONNECTION, SHEET 7 OF 10	PL01
22_131 CSE GEN XX DR C 15118	GRID CONNECTION, SHEET 8 OF 10	PL01
22_131 CSE GEN XX DR C 15119	GRID CONNECTION, SHEET 9 OF 10	PL01
22_131 CSE GEN XX DR C 15120	GRID CONNECTION, SHEET 10 OF 10	PL01
22_131 CSE GEN XX DR C 15130	CABLES DROP DETAILS	PL01
22_131 CSE GEN XX DR C 15131	TYPICAL JOINT BAY DETAILS	PL01
22_131 CSE GEN XX DR C 15132	TYPICAL LINK AND C2 COMMS CHAMBERS DETAILS	PL01
22_131 CSE GEN XX DR C 15135	HDD DETAILS	PL01
22_131 CSE GEN XX DR C 15140	TYPICAL TRENCH CROSSING OVER 3RD PARTY - FLAT	PL01
22_131 CSE GEN XX DR C 15141	TYPICAL TRENCH CROSSING BELOW 3RD PARTY - FLAT	PL01
22_131 CSE GEN XX DR C 15142	TYPICAL TRENCH CROSSING OVER 3RD PARTY - COMMS LOWERED	PL01
22_131 CSE GEN XX DR C 15143	TYPICAL TRENCH CROSSING BELOW 3RD PARTY - COMMS LOWERED	PL01
22_131 CSE GEN XX DR C 15144	TYPICAL TRENCH CROSSING OVER 3RD PARTY - TREFOIL	PL01
22_131 CSE GEN XX DR C 15145	TYPICAL TRENCH CROSSING BELOW 3RD PARTY - TREFOIL	PL01





DRAWING IS PRODUCED USING THE
IRISH TRANSVERSE MERCATOR (ITM)
GEOGRAPHIC COORDINATE SYSTEM

A0

- LEGEND:
- PROPOSED SITE BOUNDARY (Area = 8.73ha)
 - APPLICANT OWNERSHIP BOUNDARY
 - SITE NOTICE LOCATION
 - EXISTING WAYLEAVE/ RIGHT OF WAY

PL01 ISSUED FOR PLANNING

Rev Description Drawn Checked Date

Clifton Scannell Emerson
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Ireland, A96 K4G2S
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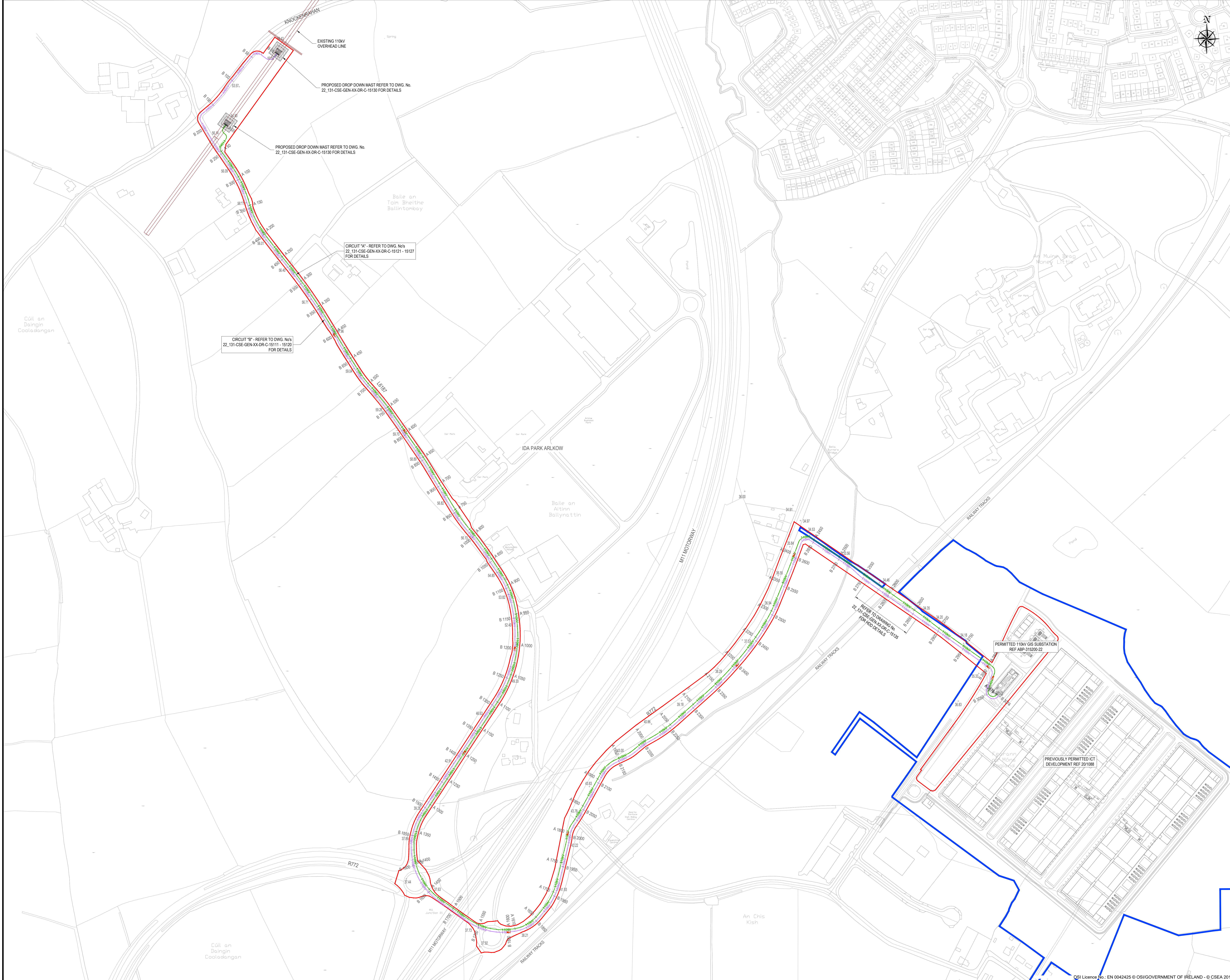
Client CRAG WICKLOW LIMITED
Project DUB 30
GRID CONNECTION

Dwg. Title SITE LOCATION MAP
Drawn By KT
Checked By DRL
Date SEP. 2025

Project Code Originator Phase Level Type Role Dwg. No.
22_131 - CSE - GEN - XX - DR - C - 15101

S2 FOR INFORMATION 1:2000
Status Code Suitability Description Scale @ A1

PL01 PLANNING 22_131
Revision Project Status CSEA Job No.



DRAWING IS PRODUCED USING THE
IRISH TRANSVERSE MERCATOR (ITM)
GEOGRAPHIC COORDINATE SYSTEM

A0

LEGEND:

PROPOSED CIRCUIT 'A' ROUTE

PROPOSED CIRCUIT 'B' ROUTE

PROPOSED JOINT BAY

EXISTING 110kV OVERHEAD LINE / MAST

EXISTING GROUND SPOT LEVEL

PROPOSED SITE BOUNDARY (8.09ha)

APPLICANT OWNERSHIP BOUNDARY

110kV

110kV

Rev

PL01

ISSUED FOR PLANNING

KT

DRL

XXXXXX

Rev

Clifton Scannell Emerson
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Client

CRAG WICKLOW LIMITED

Project

DUB 30
GRID CONNECTION
PROPOSED GRID CONNECTION
OVERALL

Drawn By

KT

Date

SEP. 2025

Dwg. No.

22_131

Checked By

DRL

Scale

1:2000 @ A0

CSEA Job No.

Project Code

22_131 - CSE - GEN - XX - DR - C - 15110

Originator

Level

Role

Dwg. No.

S2

FOR INFORMATION

PL01

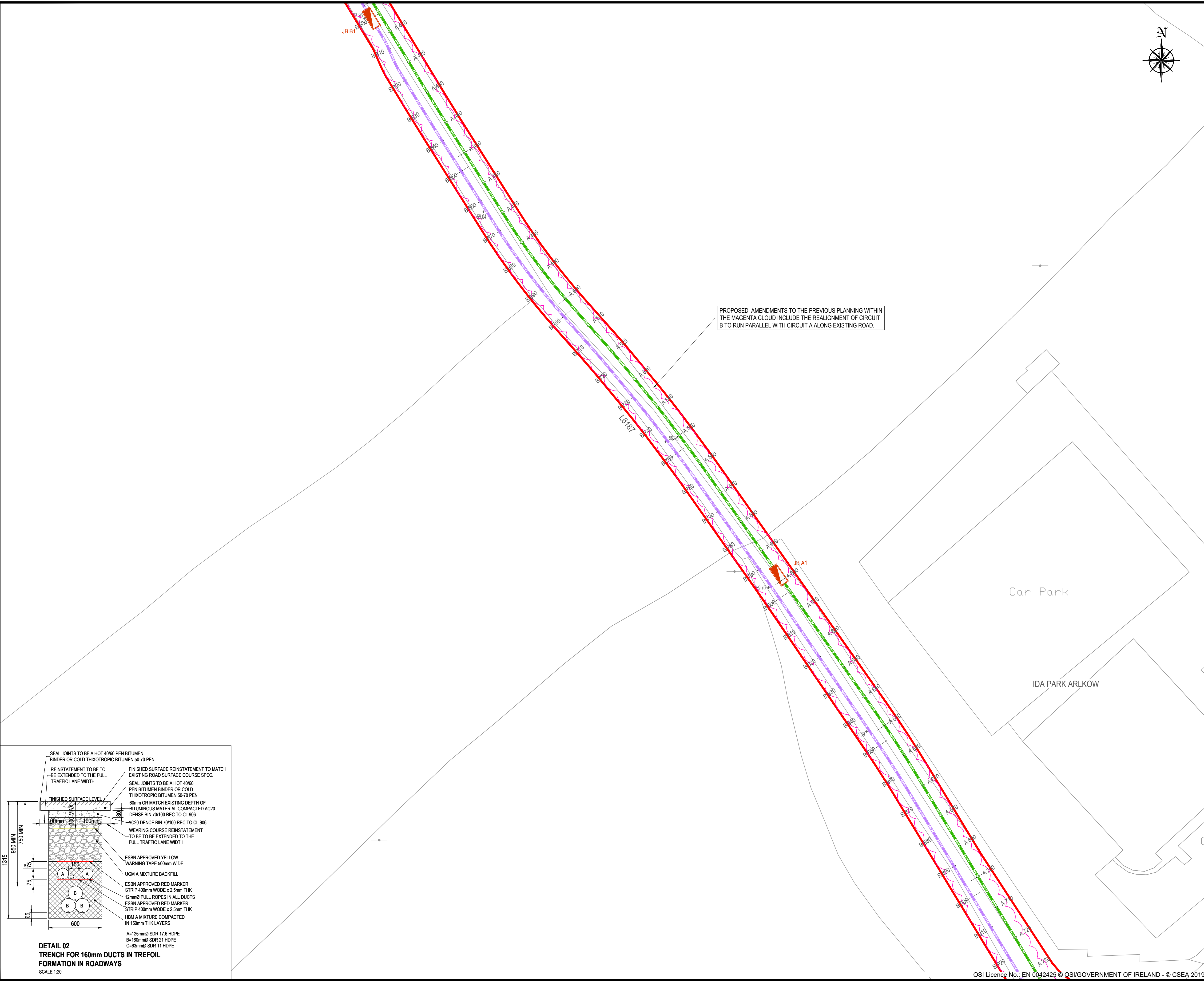
PLANNING

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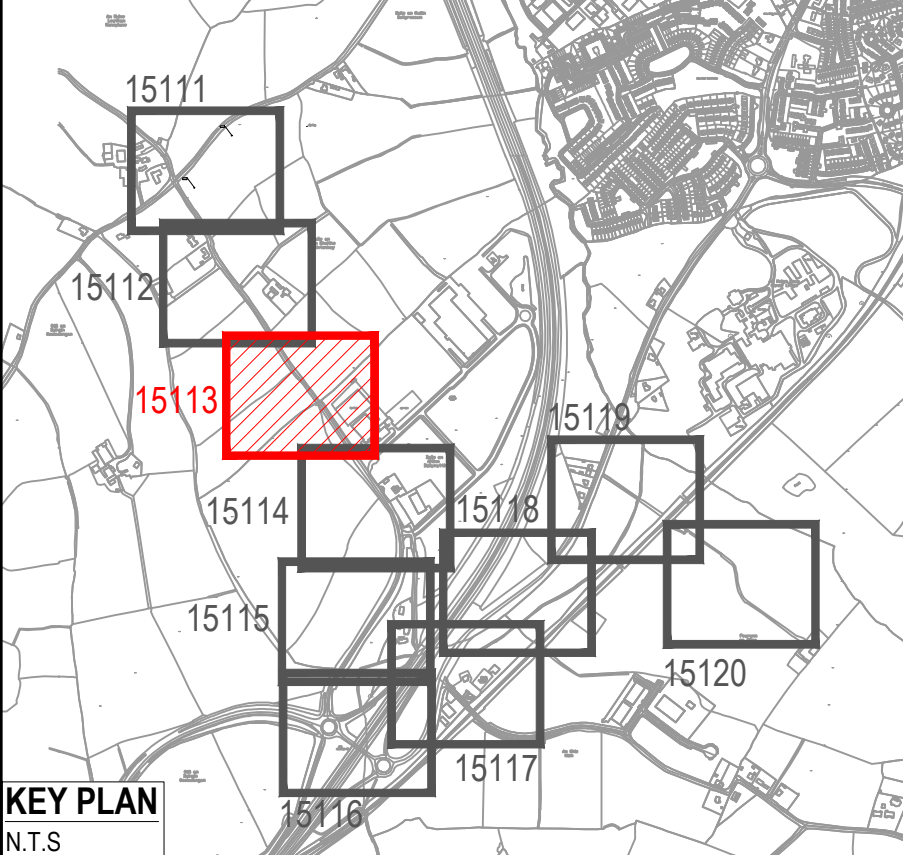


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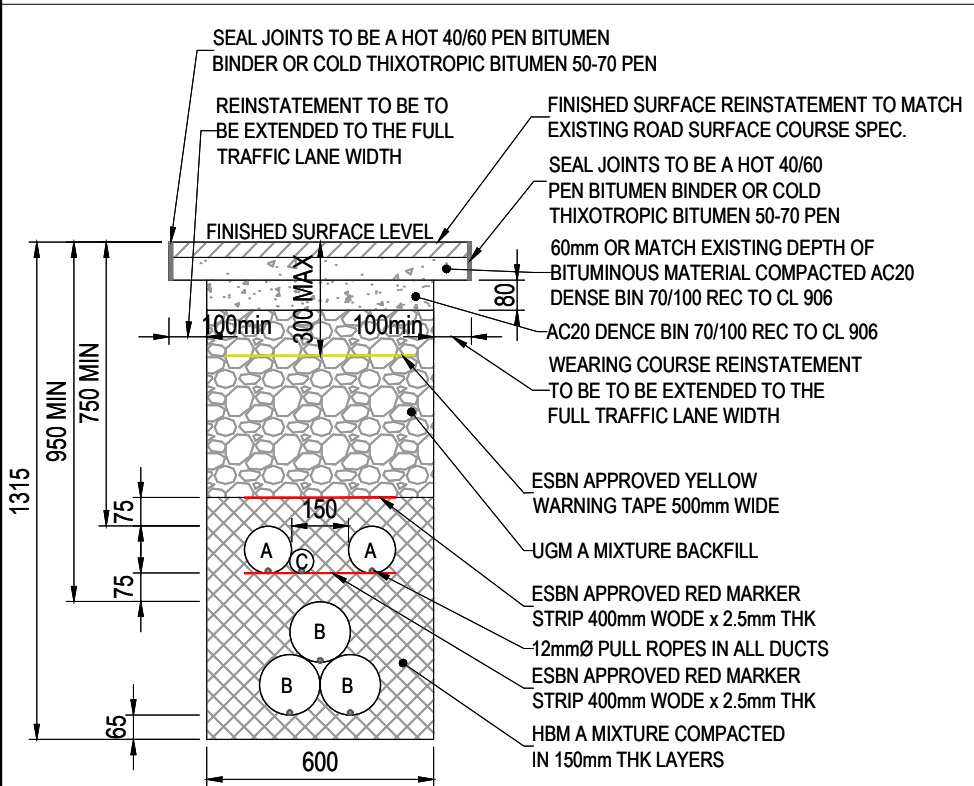
DRAWING IS PRODUCED USING THE
IRISH TRANSVERSE MERCATOR (ITM)
GEOGRAPHIC COORDINATE SYSTEM

A1



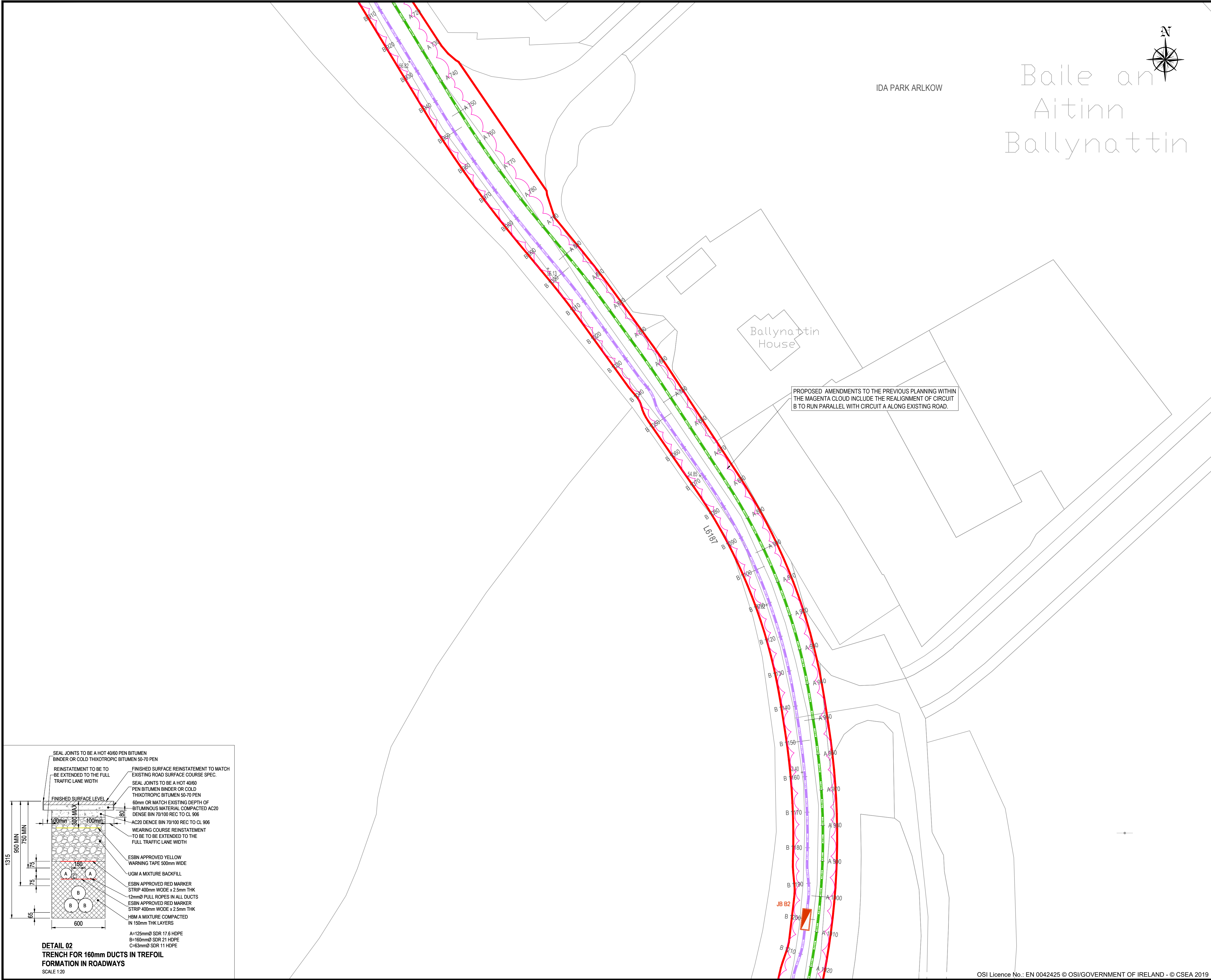
LEGEND:

- PROPOSED CIRCUIT "A" ROUTE
- PROPOSED CIRCUIT "B" ROUTE
- PROPOSED JOINT BAY
- EXISTING 110kV OVERHEAD LINE / MAST
- EXISTING GROUND SPOT LEVEL
- SITE BOUNDARY



PROPOSED AMENDMENTS TO THE PREVIOUS PLANNING WITHIN
THE MAGENTA CLOUD INCLUDE THE REALIGNMENT OF CIRCUIT
B TO RUN PARALLEL WITH CIRCUIT A ALONG EXISTING ROAD.

PL01		ISSUED FOR PLANNING		KT	DRL	XX/XX/XX
Rev	Description			Drawn	Checked	Date
 Clifton Scannell Emerson Associates				Clifton Scannell Emerson Associates Limited Consulting Engineers, Seafort Lodge, Castledawson Avenue, Blackrock, Co. Dublin, Ireland, A94 P768 T: +353 1 288 5006 F: +353 1 283 3466 E: info@csea.ie W: www.csea.ie		
				Client		
				DUB 30		
				Project		
				GRID CONNECTION		
				ROUTE, SHEET 3 OF 10		
Dwg. Title		KT		Date		22_131
Drawn By		DRL		Scale		1:500 @ A1
Checked By		DRL		Scale		1:500 @ A1
Project Code		Originator		Zone/Phase		Level
Type		Role		Dwg. No.		
22_131 - CSE - GEN - XX - DR - C - 15113						
S2 FOR INFORMATION						
Status Code		Suitability Description				
PL01		PLANNING				
Revision		Project Status				



IDA PARK ARLKOW

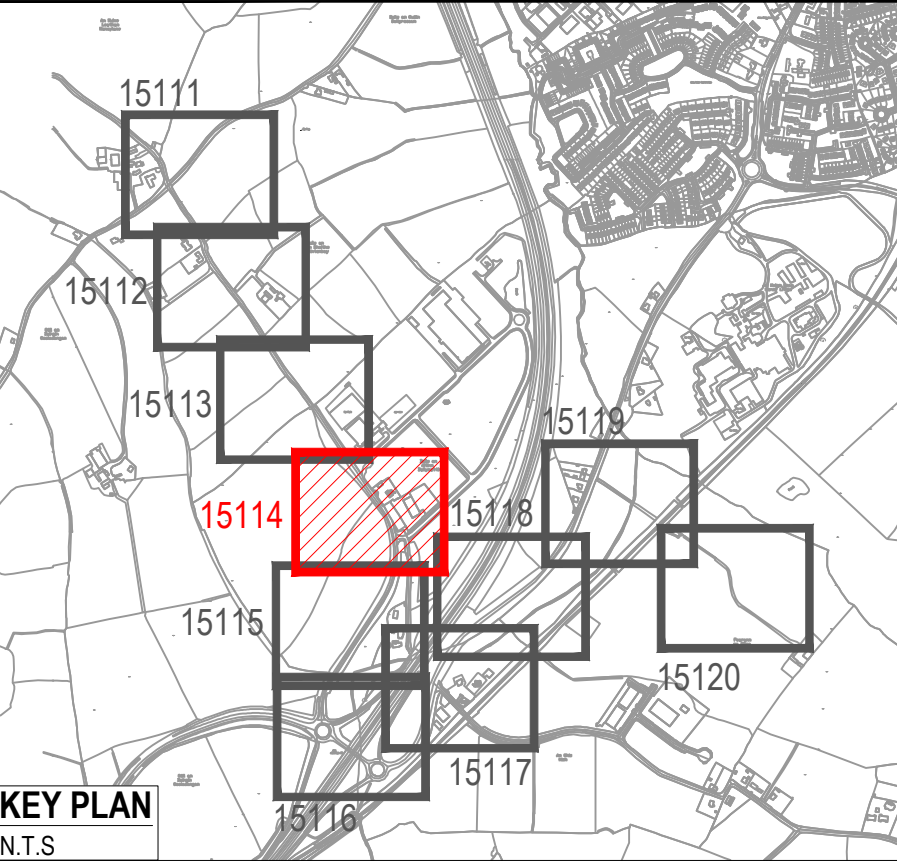
Baile an
Aitinn
Ballynattin

Ballynattin
House

PROPOSED AMENDMENTS TO THE PREVIOUS PLANNING WITHIN
THE MAGENTA CLOUD INCLUDE THE REALIGNMENT OF CIRCUIT
B TO RUN PARALLEL WITH CIRCUIT A ALONG EXISTING ROAD.

DRAWING IS PRODUCED USING THE
IRISH TRANSVERSE MERCATOR (ITM)
GEOGRAPHIC COORDINATE SYSTEM

A1



LEGEND:

PROPOSED CIRCUIT "A" ROUTE

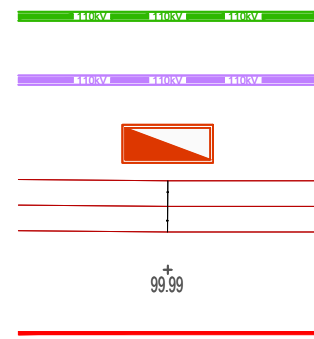
PROPOSED CIRCUIT "B" ROUTE

PROPOSED JOINT BAY

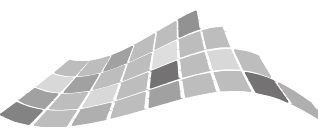
EXISTING 110kV OVERHEAD LINE / MAST

EXISTING GROUND SPOT LEVEL

SITE BOUNDARY



PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/XX
Rev	Description	Drawn	Checked	Date

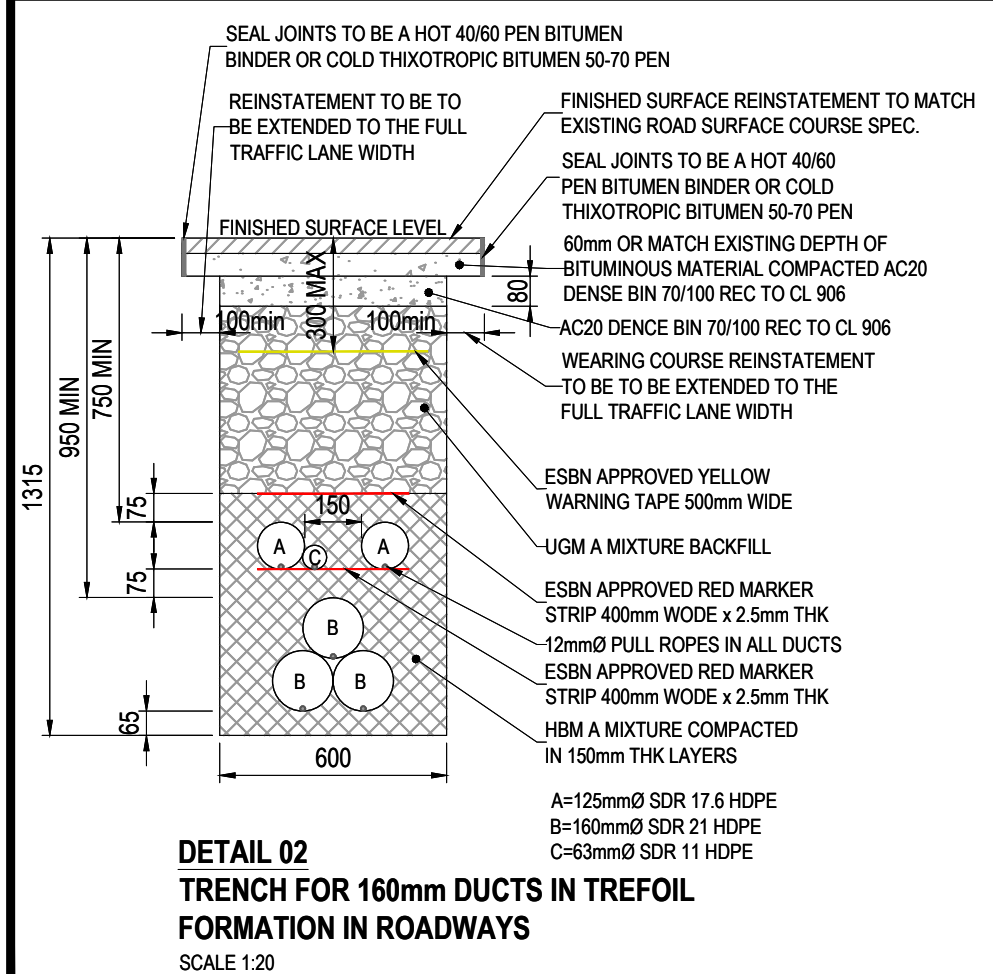


**Clifton Scannell Emerson
Associates**

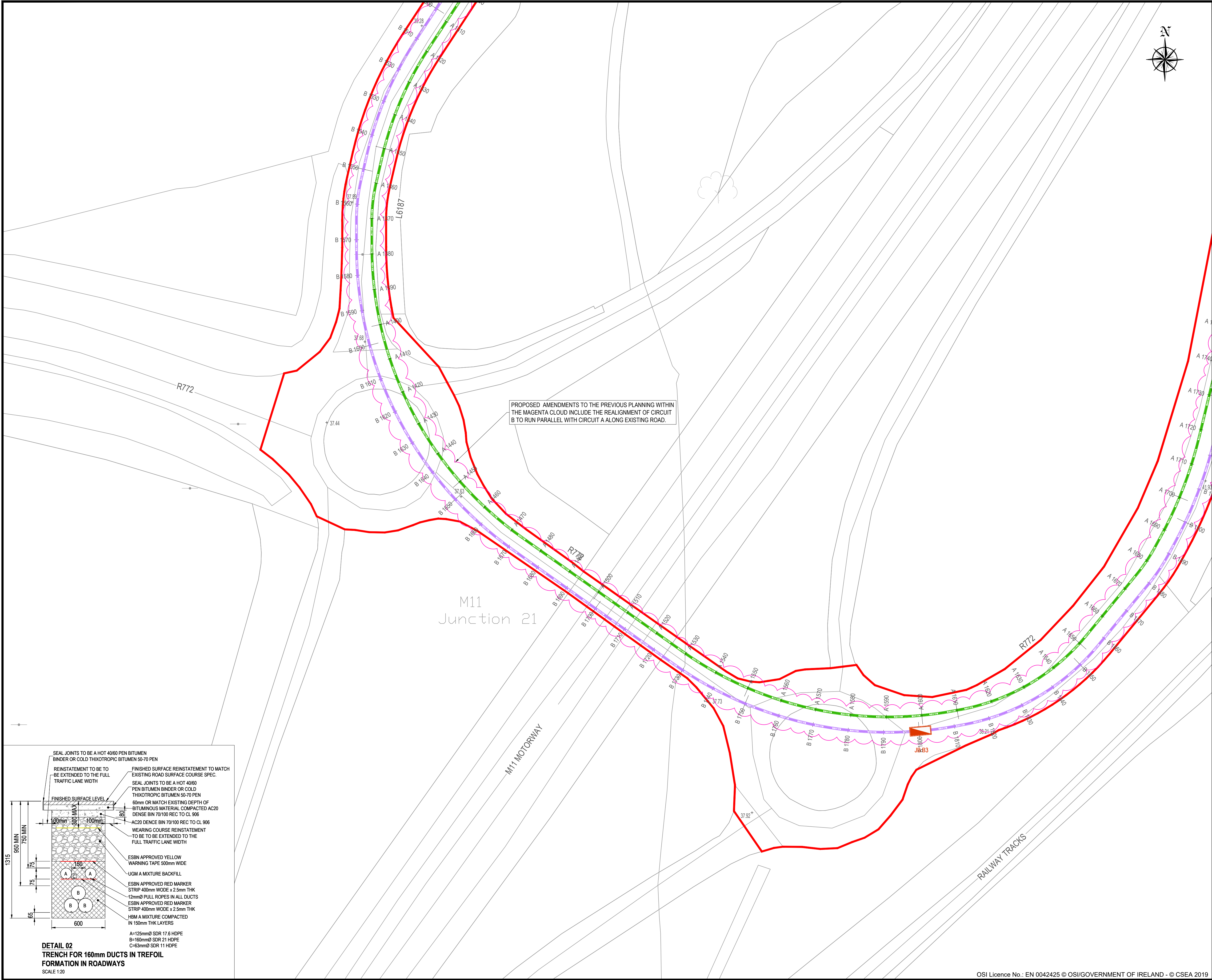
Clifton Scannell Emerson
Associates Limited
Consulting Engineers,
Seafort Lodge,
Castledawson Avenue,
Blackrock, Co. Dublin,
Ireland, A94 P768

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Client	CRAG WICKLOW LIMITED			
Project	DUB 30 GRID CONNECTION GRID CONNECTION ROUTE, SHEET 4 OF 10			
Dwg. Title				
Drawn By	KT	Date	SEP. 2025	22_131
Checked By	DRL	Scale	1:500 @ A1	CSEA Job No.
Project Code	Originator	Zone/ Phase	Level	Type
22_131 - CSE - GEN - XX - DR - C - 15114				
S2	FOR INFORMATION			
Status Code	Suitability Description			
PL01	PLANNING			
Revision	Project Status			







DRAWING IS PRODUCED USING THE
IRISH TRANSVERSE MERCATOR (ITM)
GEOGRAPHIC COORDINATE SYSTEM

A1

KEY PLAN
N.T.S

LEGEND:

PROPOSED CIRCUIT "A" ROUTE

PROPOSED CIRCUIT "B" ROUTE

PROPOSED JOINT BAY

EXISTING 110kV OVERHEAD LINE / MAST

EXISTING GROUND SPOT LEVEL

SITE BOUNDARY

PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/XX
Rev	Description	Drawn	Checked	Date

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Client

DUB 30
GRID CONNECTION
ROUTE, SHEET 6 OF 10

Project

DUB 30
GRID CONNECTION
ROUTE, SHEET 6 OF 10

Dwg. Title

DUB 30
GRID CONNECTION
ROUTE, SHEET 6 OF 10

Drawn By

KT

Date

SEP. 2025

22_131

Checked By

DRL

Scale

1:500 @ A1

CSEA Job No.

22_131 - CSE - GEN - XX - DR - C - 15116

Project Code

Originator

Zone/
Phase

Level

Type

Role

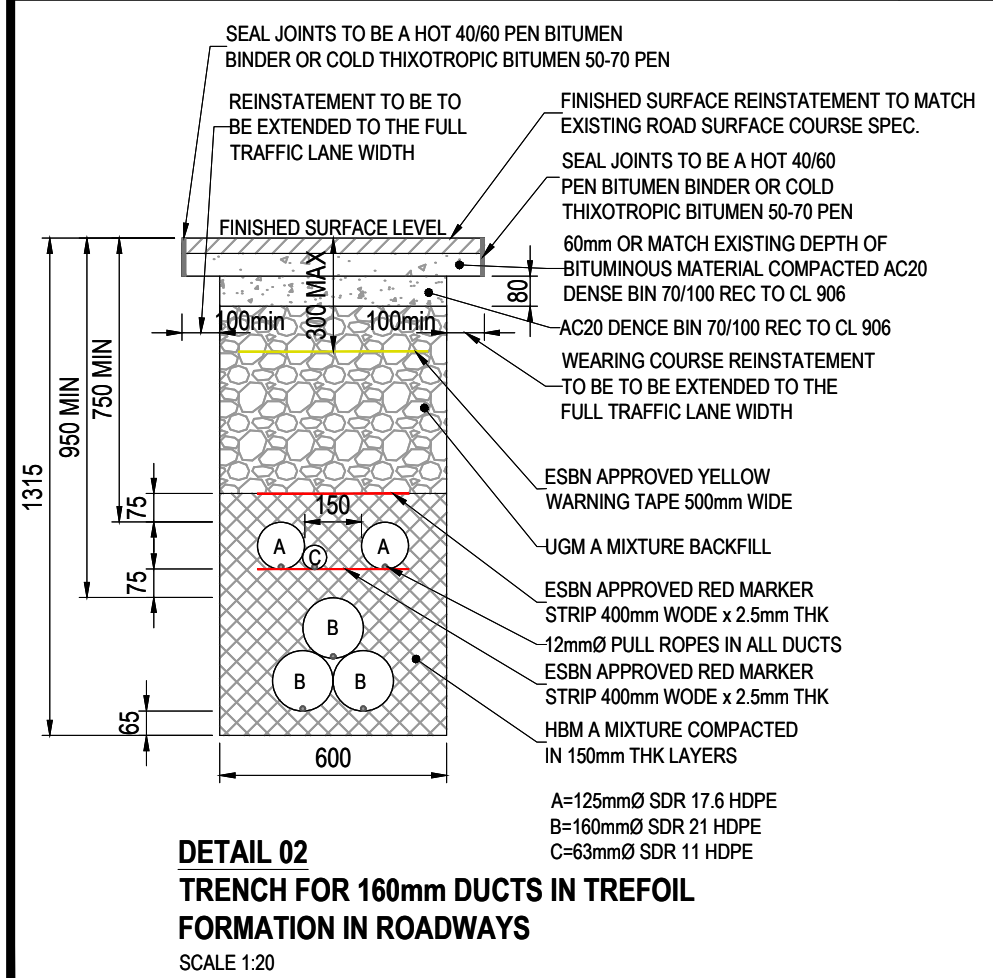
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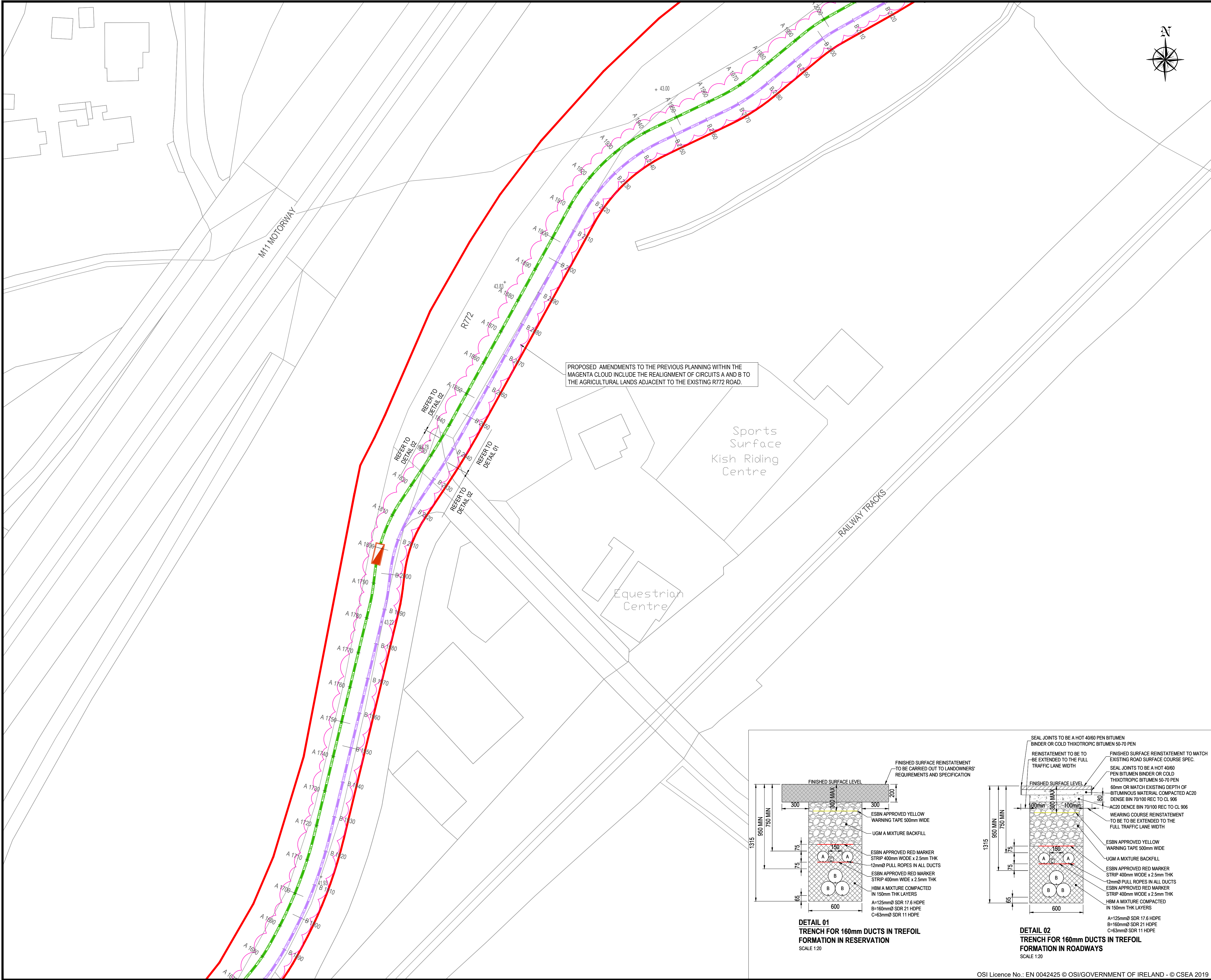
S2

FOR INFORMATION

PL01

PLANNING





DRAWING IS PRODUCED USING THE
IRISH TRANSVERSE MERCATOR (ITM)
GEOGRAPHIC COORDINATE SYSTEM

A1

LEGEND:

PROPOSED CIRCUIT "A" ROUTE

PROPOSED CIRCUIT "B" ROUTE

PROPOSED JOINT BAY

EXISTING 110kV OVERHEAD LINE / MAST

EXISTING GROUND SPOT LEVEL

SITE BOUNDARY

PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/XX
Rev	Description	Drawn	Checked	Date

Client

DUB 30

GRID CONNECTION

ROUTE, SHEET 7 OF 10

Drawn By

KT

Date

SEP. 2025

22_131

Checked By

DRL

Scale

1:500 @ A1

CSEA Job No.

22_131 - CSE - GEN - XX - DR - C - 15117

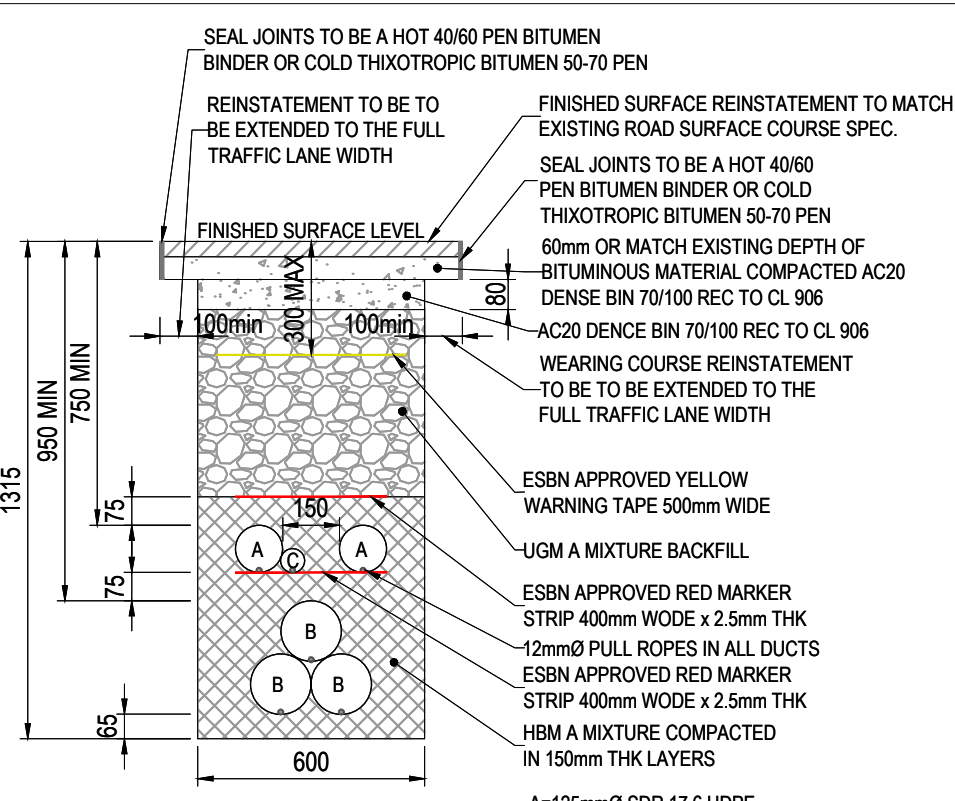
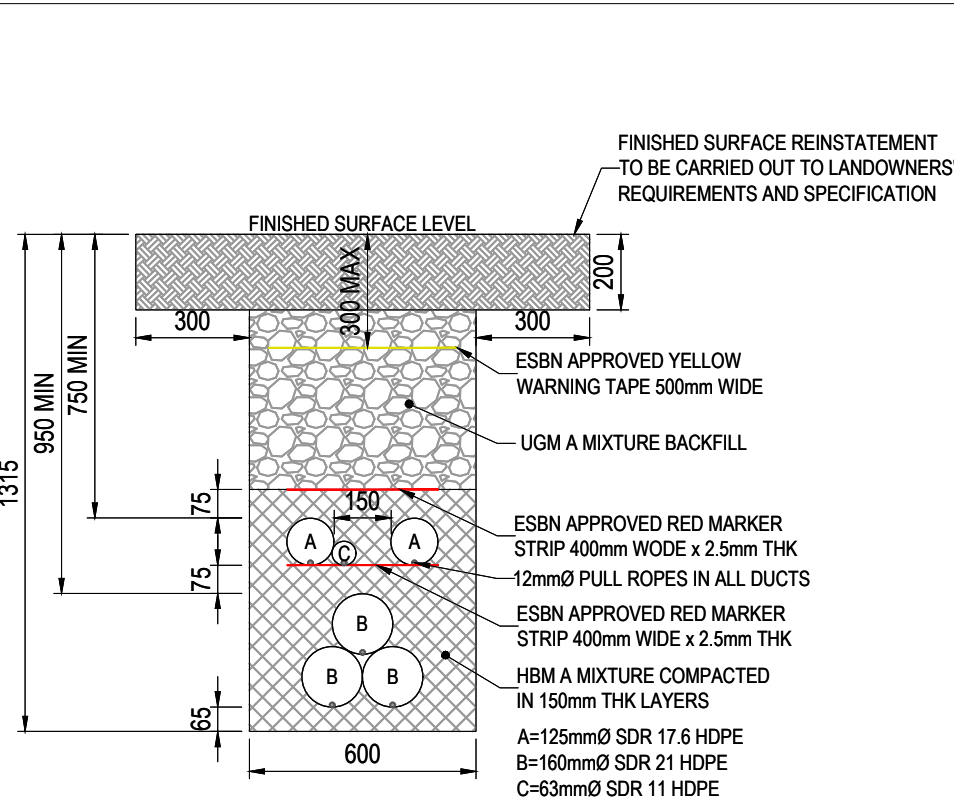
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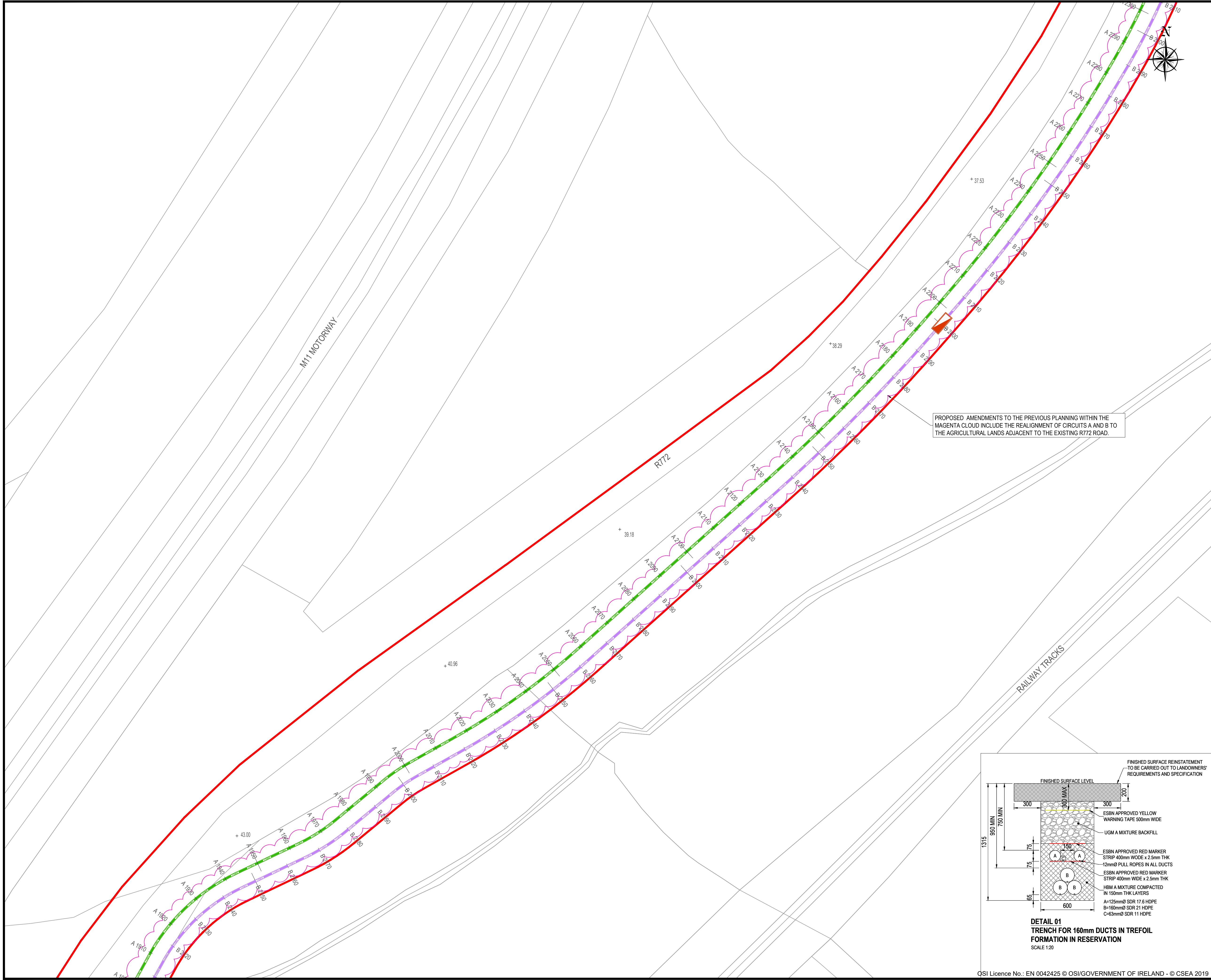
FOR INFORMATION

PL01

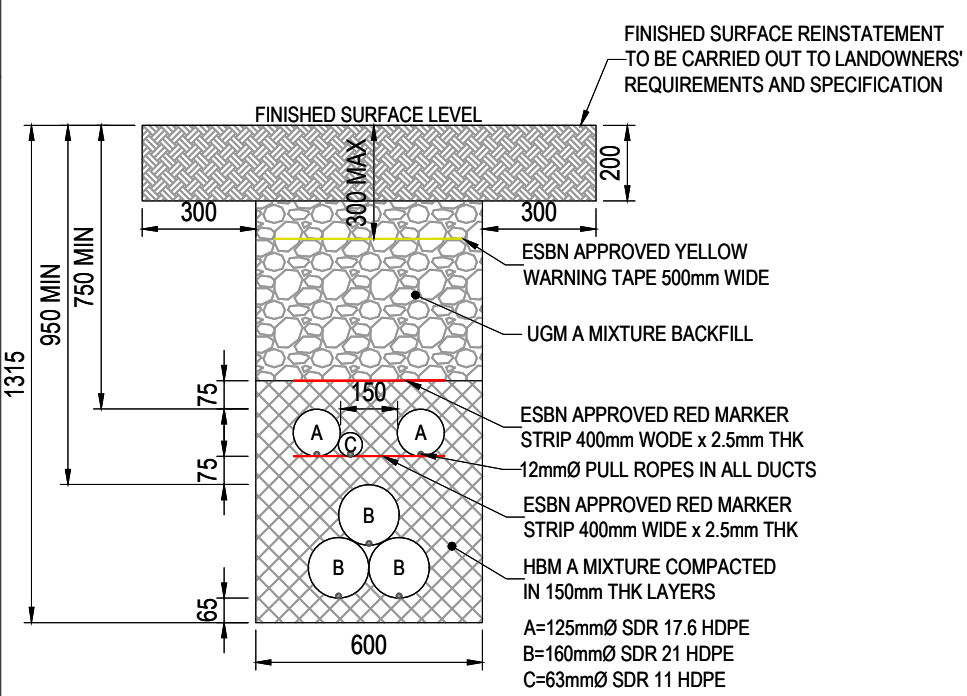
PLANNING

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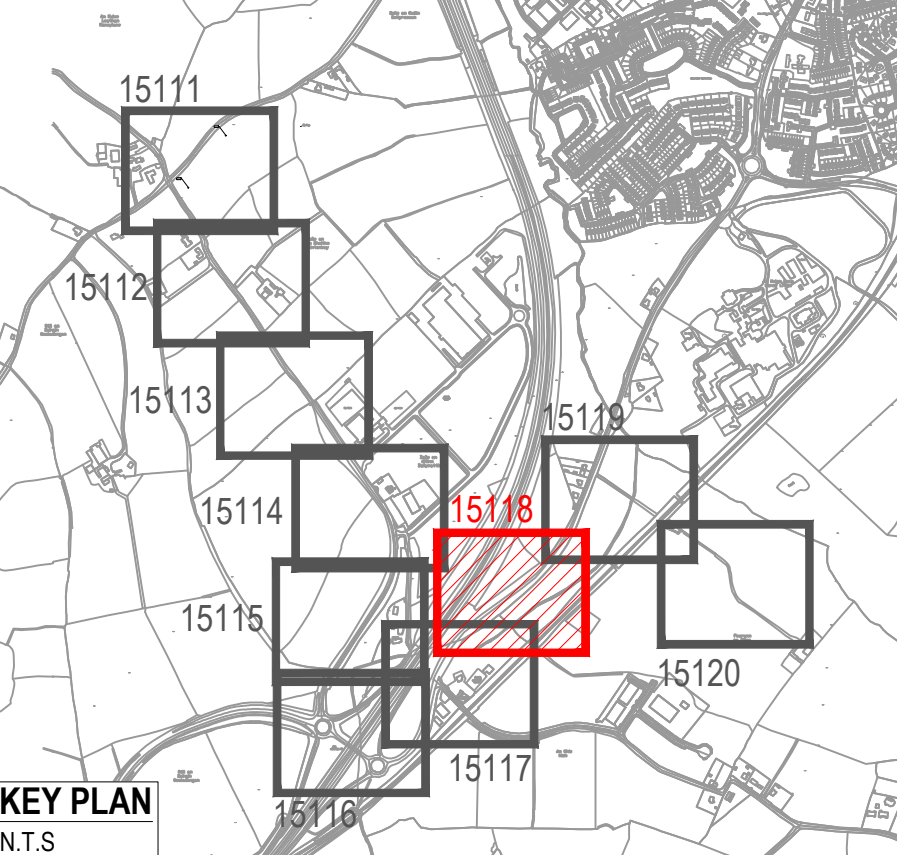


PROPOSED AMENDMENTS TO THE PREVIOUS PLANNING WITHIN THE MAGENTA CLOUD INCLUDE THE REALIGNMENT OF CIRCUITS A AND B TO THE AGRICULTURAL LANDS ADJACENT TO THE EXISTING R772 ROAD.



DRAWING IS PRODUCED USING THE IRISH TRANSVERSE MERCATOR (ITM) GEOGRAPHIC COORDINATE SYSTEM

A1



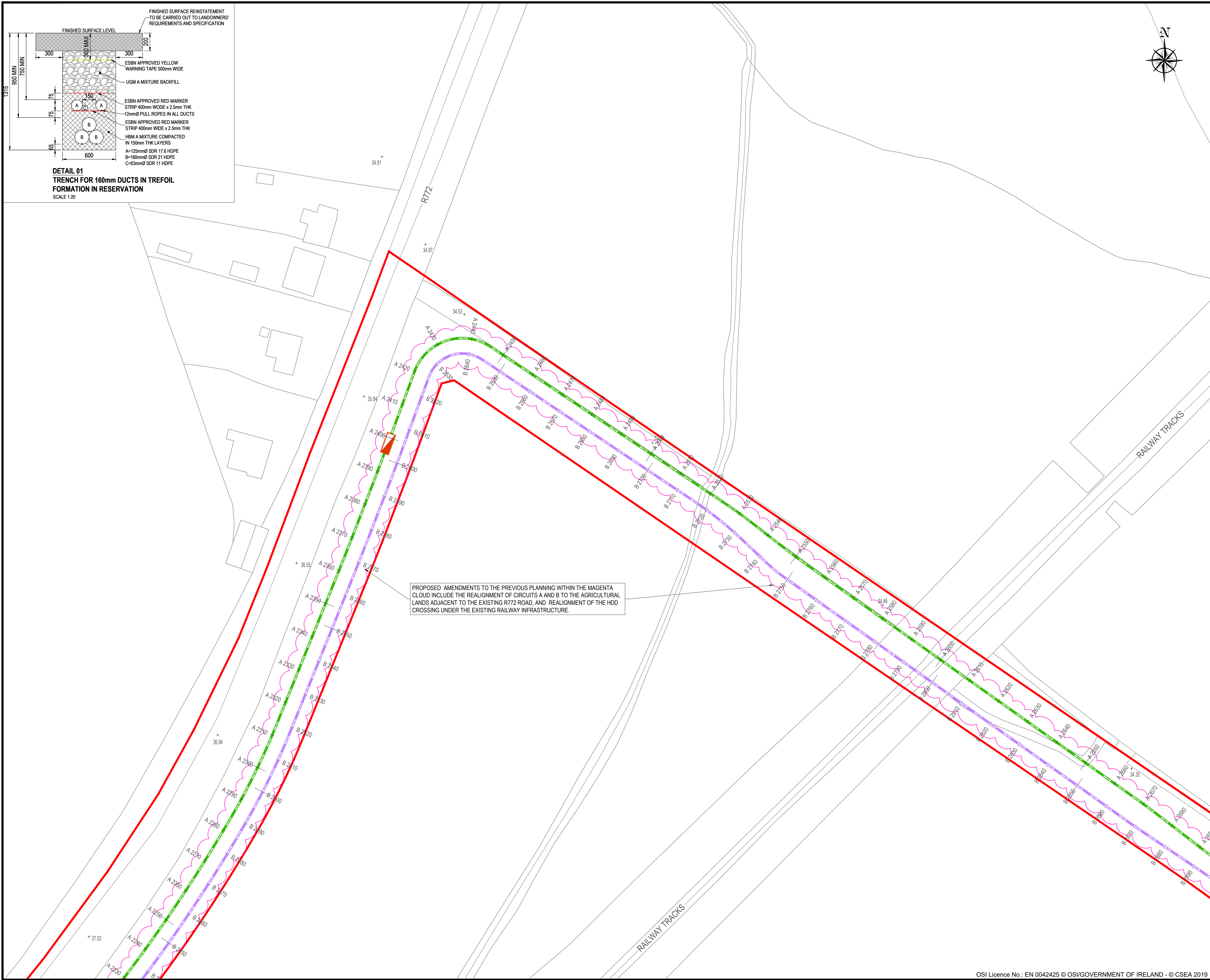
- LEGEND:
- PROPOSED CIRCUIT "A" ROUTE
 - PROPOSED CIRCUIT "B" ROUTE
 - PROPOSED JOINT BAY
 - EXISTING 110kV OVERHEAD LINE / MAST
 - EXISTING GROUND SPOT LEVEL
 - SITE BOUNDARY

PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/XX
Rev	Description	Drawn	Checked	Date

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Ireland, A94 P768

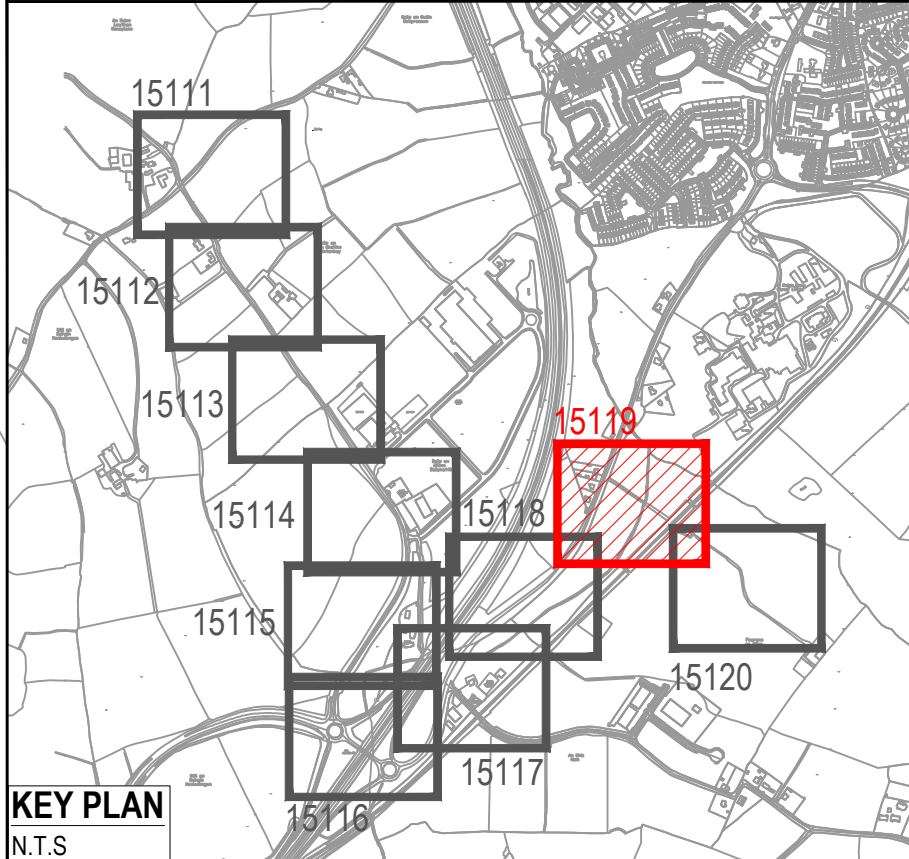
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W: www.csea.ie

Client					CRAG WICKLOW LIMITED				
Project					DUB 30 GRID CONNECTION ROUTE, SHEET 8 OF 10				
Dwg. Title									
Drawn By					KT				
Date					SEP. 2025				
Checked By					DRL				
Scale					1:500 @ A1				
Project Code					CSEA Job No.				
Originator					Zone/Phase				
Level					Type				
Role					Dwg. No.				
22_131 - CSE - GEN - XX - DR - C - 15118									
S2					FOR INFORMATION				
Status Code					Suitability Description				
PL01					PLANNING				
Revision					Project Status				



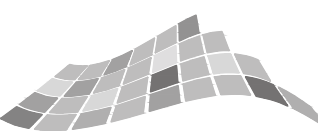
DRAWING IS PRODUCED USING THE
IRISH TRANSVERSE MERCATOR (ITM)
GEOGRAPHIC COORDINATE SYSTEM

A1



- LEGEND:
- PROPOSED CIRCUIT "A" ROUTE
 - PROPOSED CIRCUIT "B" ROUTE
 - PROPOSED JOINT BAY
 - EXISTING 110kV OVERHEAD LINE / MAST
 - EXISTING GROUND SPOT LEVEL
 - SITE BOUNDARY

PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/XX
Rev	Description	Drawn	Checked	Date

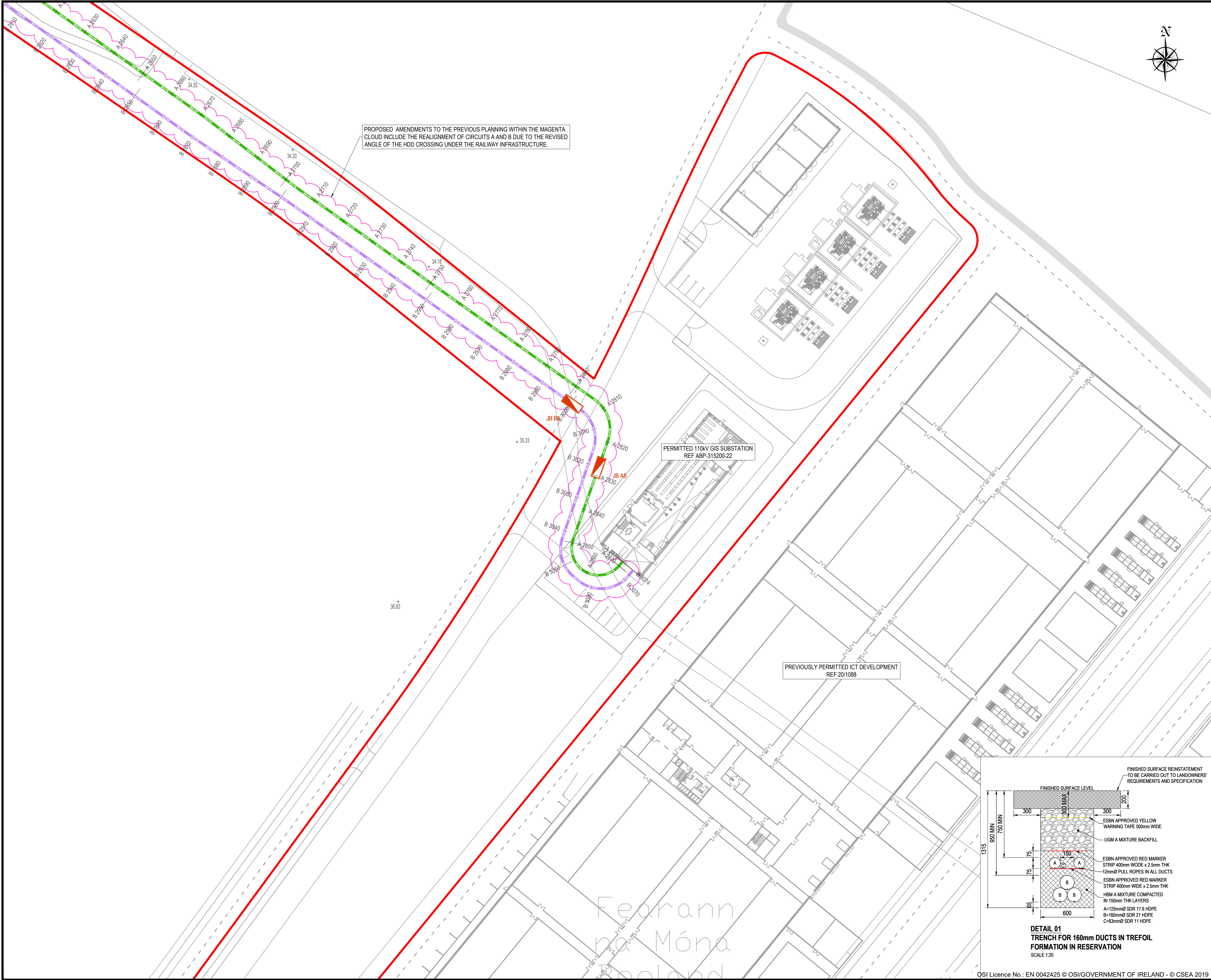


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Castledawson Avenue,
Blackrock, Co. Dublin,
Ireland, A94 P768

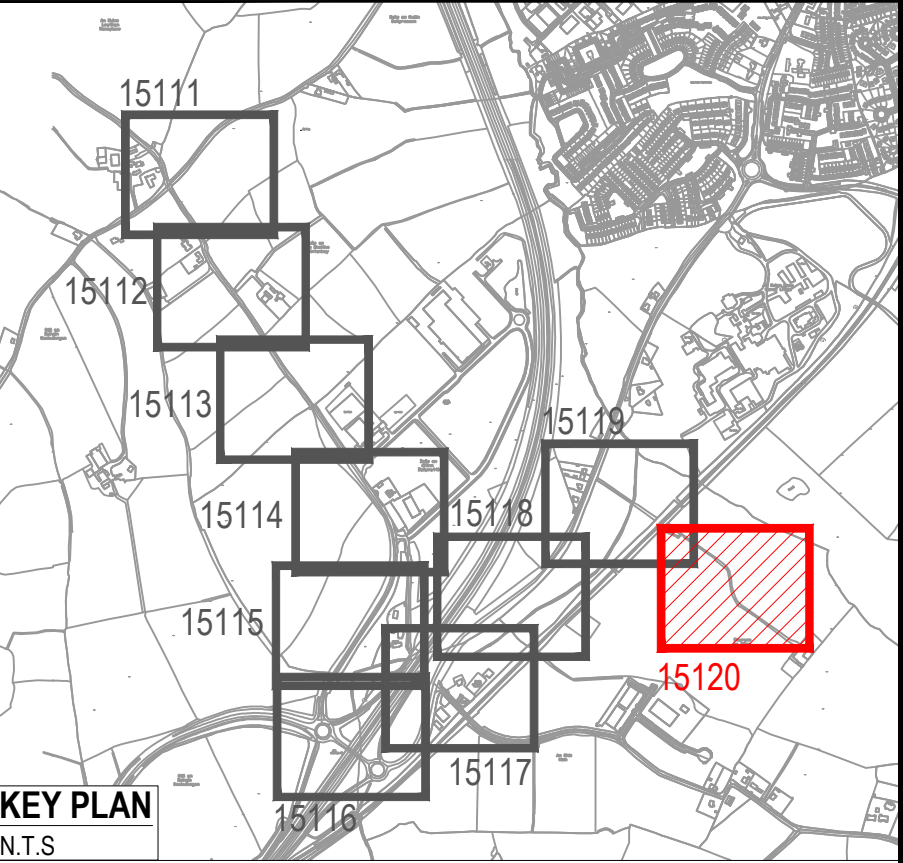
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Client	CRAG WICKLOW LIMITED			
Project	DUB 30 GRID CONNECTION ROUTE, SHEET 9 OF 10			
Dwg. Title				
Drawn By	KT	Date	SEP. 2025	22_131
Checked By	DRL	Scale	1:500 @ A1	
Project Code	Originator	Zone/ Phase	Level	Type
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S2	FOR INFORMATION			
Status Code	Suitability Description			
PL01	PLANNING			
Revision	Project Status			



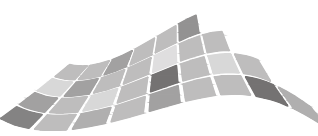
DRAWING IS PRODUCED USING THE
IRISH TRANSVERSE MERCATOR (ITM)
GEOGRAPHIC COORDINATE SYSTEM

A1



- LEGEND:
- PROPOSED CIRCUIT "A" ROUTE
 - PROPOSED CIRCUIT "B" ROUTE
 - PROPOSED JOINT BAY
 - EXISTING 110kV OVERHEAD LINE / MAST
 - EXISTING GROUND SPOT LEVEL
 - SITE BOUNDARY

PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/XX
Rev	Description	Drawn	Checked	Date

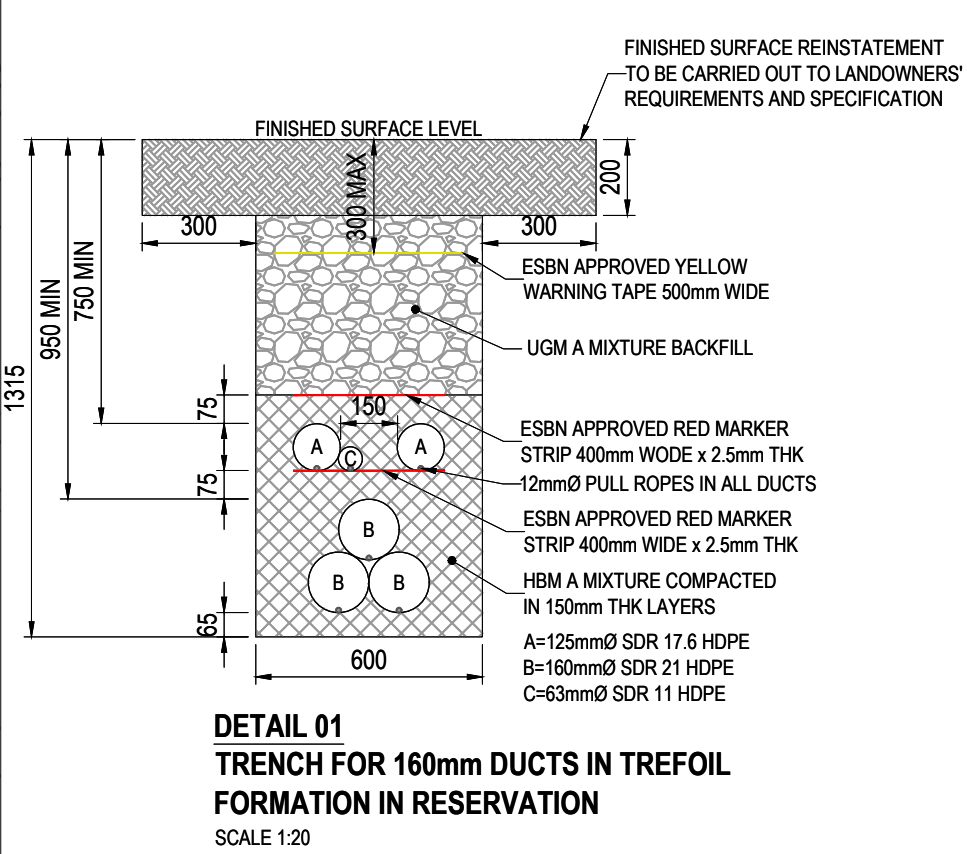


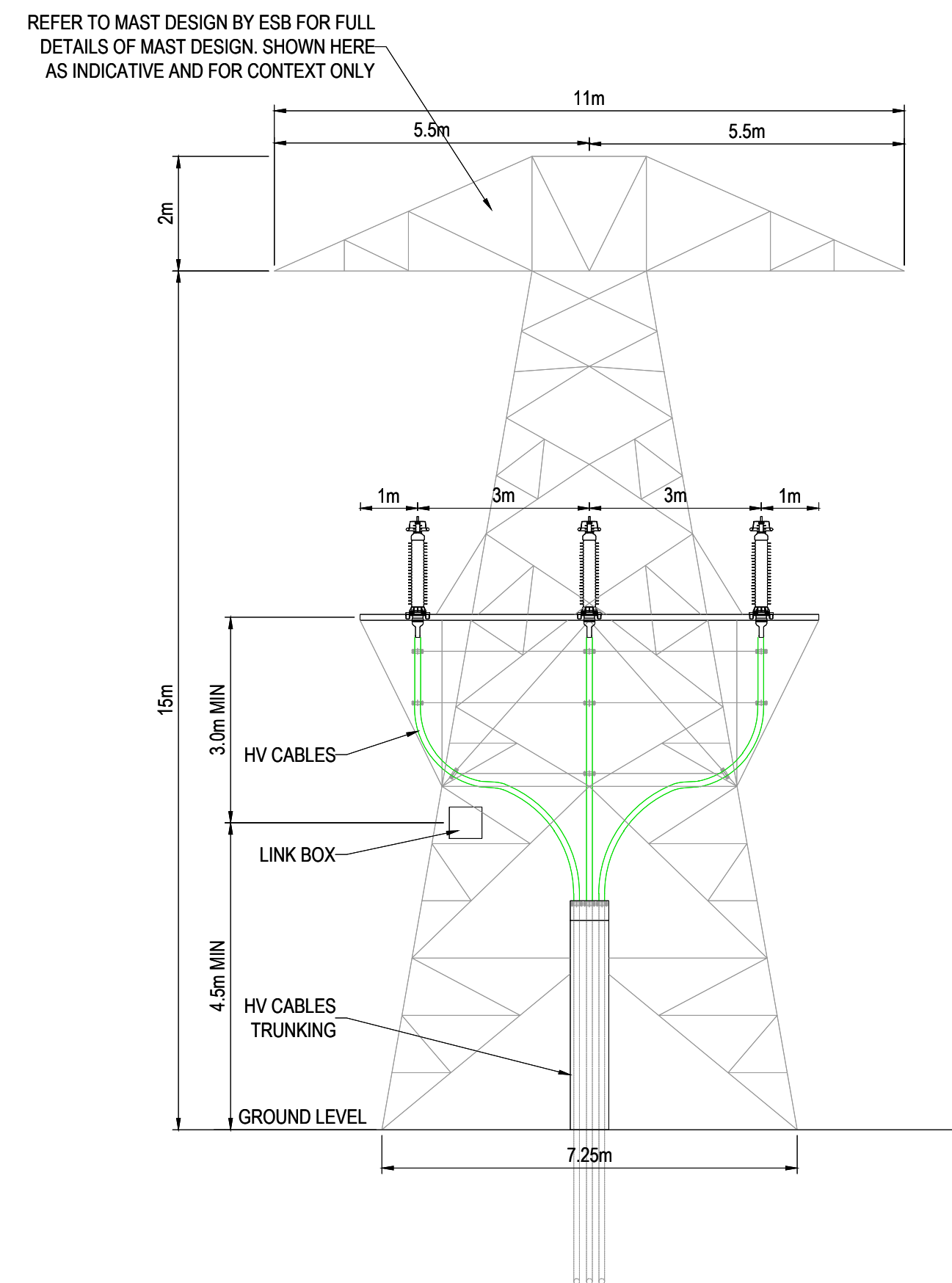
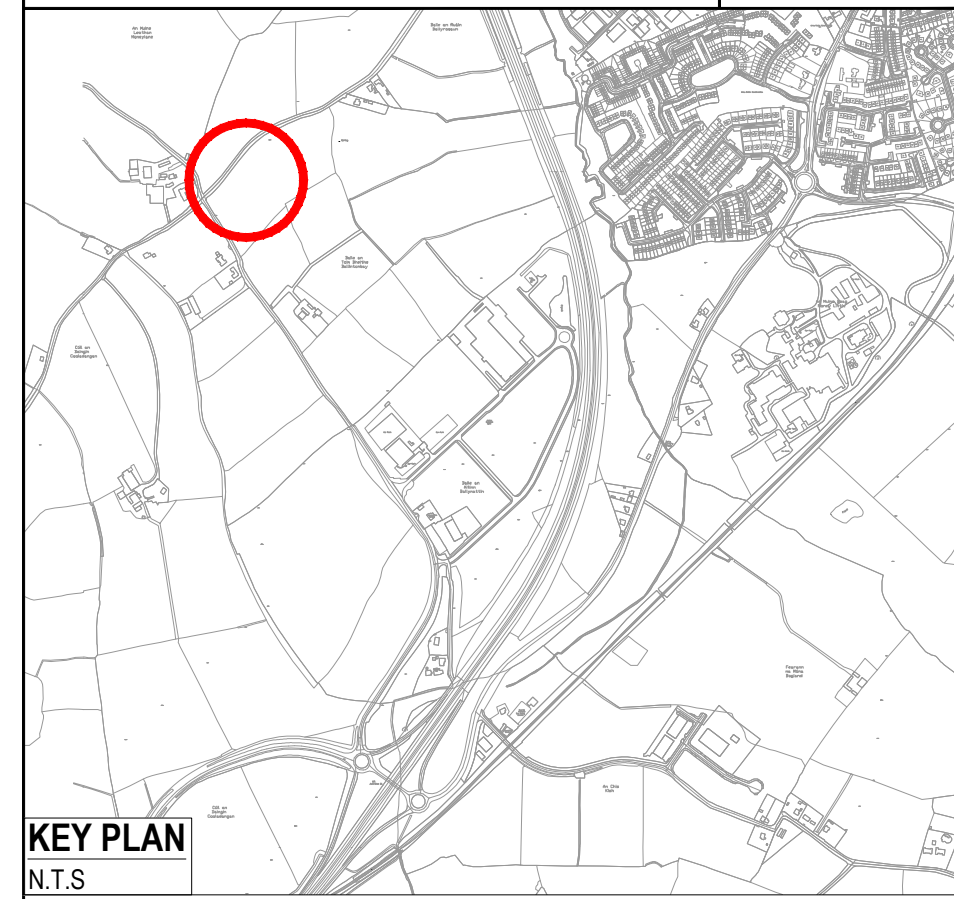
Clifton Scannell Emerson Associates

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Consulting Engineers,
Seafort Lodge,
Castledawson Avenue,
Blackrock, Co. Dublin,
Ireland, A94 P768

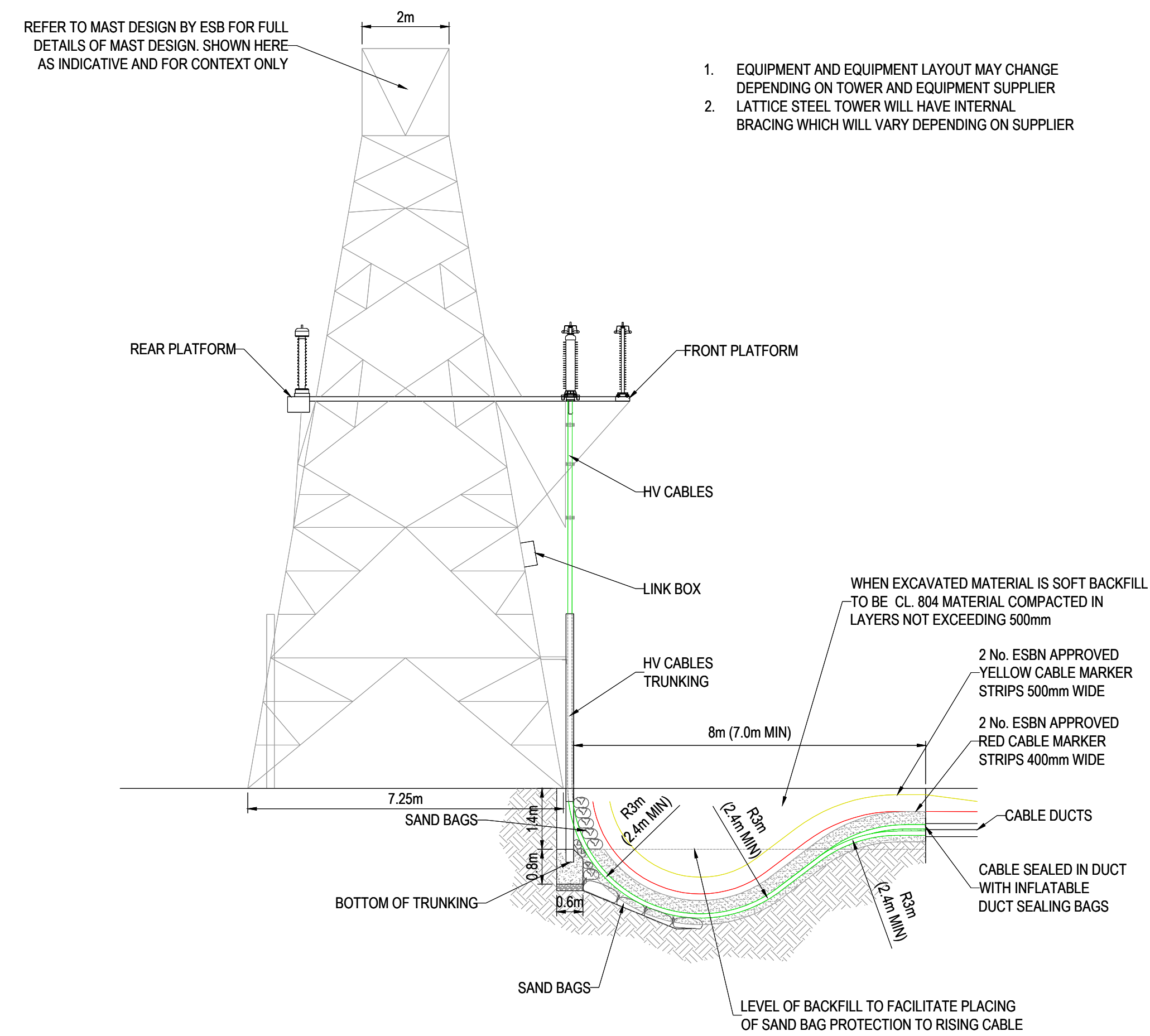
T: +353 1 288 5006
F: +353 1 283 3466
E: info@csea.ie
W: www.csea.ie

Client		CRAG WICKLOW LIMITED	
Project		DUB 30 GRID CONNECTION ROUTE, SHEET 10 OF 10	
Dwg. Title	KT	Date	SEP. 2025
Drawn By	DRL	Scale	1:500 @ A1
Checked By			22_131
Project Code	Originator	Zone/Phase	Level
22_131 - CSE - GEN - XX - DR - C - 15120		Role	Dwg. No.
S2		FOR INFORMATION	
Status Code	Suitability Description		
PL01	PLANNING		
Revision	Project Status		





FRONT ELEVATION
SCALE 1:100



SIDE ELEVATION
SCALE 1:100

[illegible]

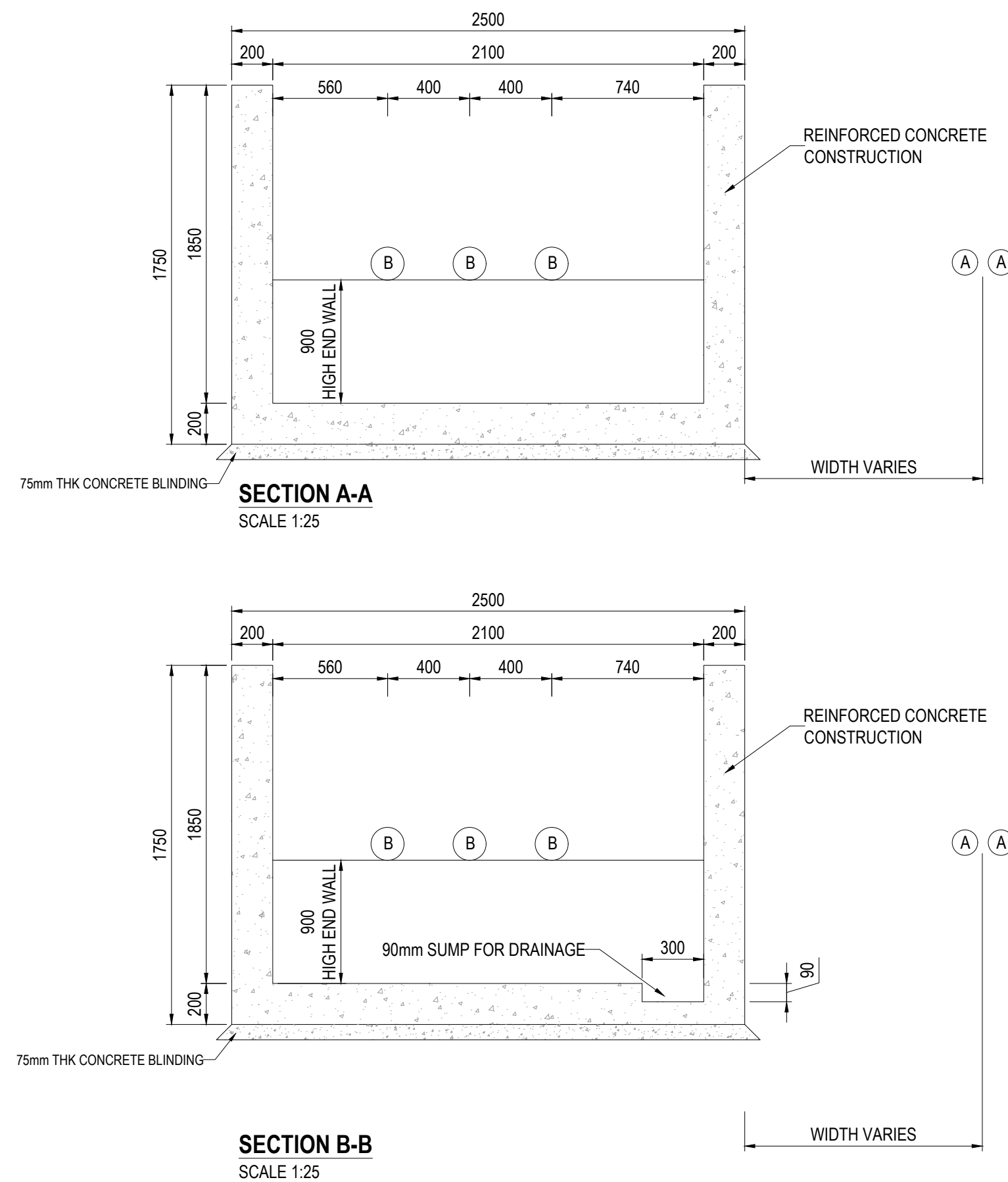
Client	CRAG WICKLOW LIMITED
Project	DUB 30 GRID CONNECTION

CABLES DROP DETAILS		
Dwg. Title		
KT	SEP. 2025	22_131
Drawn By	Date	
DRL	AS INDICATED @ A1	CSEA Job No.
Checked By	Scale	

Project Code	Originator	Zone/ Phase	Level	Type	Role	Dwg. No.
22_131 - CSE - GEN - XX - DR - C - 15130						

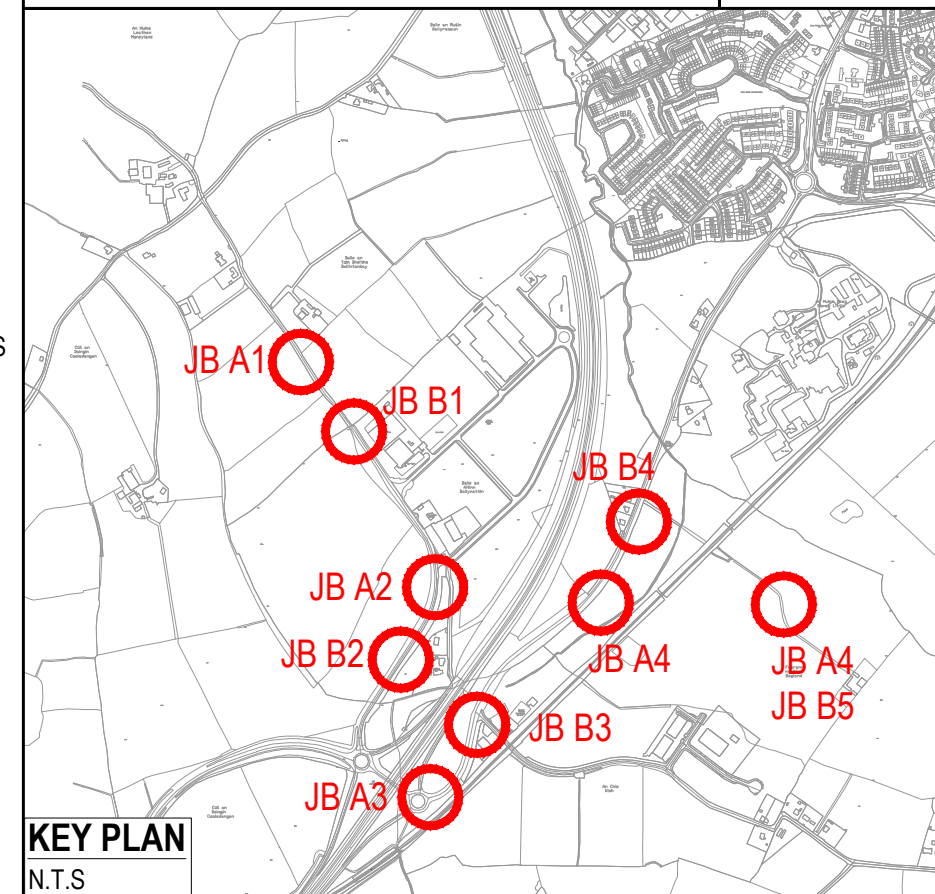
S2	FOR INFORMATION
Status Code	Suitability Description

PL01 PLANNING



1. ALL PRECAST CONCRETE ELEMENTS TO BE MANUFACTURED TO BS EN 13369:2004 "COMMON RULES FOR PRECAST CONCRETE PRODUCTS.
2. LIFTING INSERTS TO BE DESIGNED & INSTALLED TO PD CENTR 15728:2008 "DESIGN AND USE OF INSERTS/FOR LIFTING AND HANDLING OF PRECAST CONCRETE ELEMENTS.
3. SPECIFIED LIFTING INSERTS HAVE A S.W/L OF 10 TONNE.
4. LOCATION & SPECIFICATION OF LIFTING INSERTS ARE ASSUMED TO FACILITATE DEMOULDING AND HANDLING IN PRECAST MANUFACTURING FACTORY. IT IS THE RESPONSIBILITY OF THE PRECAST MANUFACTURER TO NOTIFY THE ESBI ENGINEER IF THESE ARE UNSUITABLE FOR HIS MANUFACTURING METHODOLOGY. ESBI ENGINEER TO BE INFORMED OF ANY ALTERNATIVE LIFTING LOCATIONS FOR FACTORY HANDLING AND DEMOULDING .
5. CONCRETE TO HAVE A MINIMUM STRENGTH OF 30N/mm² PRIOR TO HANDLING & DEMOULDING.
6. MAIN CONTRACTOR TO ENSURE THAT A METHOD STATEMENT AND RISK ASSESSMENT INCLUDING A LIFTING PLAN, IS PRODUCED FOR INSTALLATION AND ARE AVAILABLE TO ESBI ENGINEER FOR REVIEW IF REQUESTED. LIFTING PLAN TO INCORPORATE REQUIREMENTS OF LIFTING INSERTS AND LIFTING LOOP EYES.
7. A MINIMUM LIFTING SLING ANGLE OF 50° TO THE HORIZONTAL IS REQUIRED.
8. A LIFTING SYSTEM WHICH ENSURES ALL LIFTING POINTS TAKE ON AN EQUAL LOAD IS REQUIRED.
9. HALFEN DEHA SPHERICAL LIFTING ANCHORS TO BE USED AS SPECIFIED. ANY DEVIATION FROM THIS MUST BE NOTIFIED TO ESBI ENGINEER BY PRECAST MANUFACTURER. LIFTING INSERTS TO BE INSTALLED AS PER MANUFACTURERS GUIDELINES AND IN ACCORDANCE WITH PD CENTR 15728:2008.
10. FORMWORK FOR PRECASTING TO BE OF A MINIMUM STANDARD OF VARNISHED WOODEN MOULD WITH PLANED BOARDS.
11. COVER TO REINFORCEMENT TO BE 40mm.
12. CONCRETE TO BE GRADE C30/C37
13. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206-1:2002 WITH THE MIXED DESIGNS SHOWN IN TABLE 1.
14. FOR 7.9m JOINT BAY INSERT 1 No. ADDITIONAL PRECAST SECTION 2. FOR 9.8m JOINT BAY INSERT 2 No. ADDITIONAL PRECAST SECTIONS 2.
15. THE DEPTH FROM GROUND /ROAD LEVEL TO THE TOP OF THE CONCRETE WALL SHALL BE:
 - A). 500mm IN CULTIVATED FIELDS AND GRASS LANDS
 - B). 300mm IN PAVED ROADS AND GRASS VERGES
 - C). 350mm IN PAVED ROADS IN DUBLIN CITY COUNCIL ROADS AND GRASS VERGES.

A1



KEY PLAN
N.T.S

[illegible]

PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/X
Rev	Description	Drawn	Checked	Date



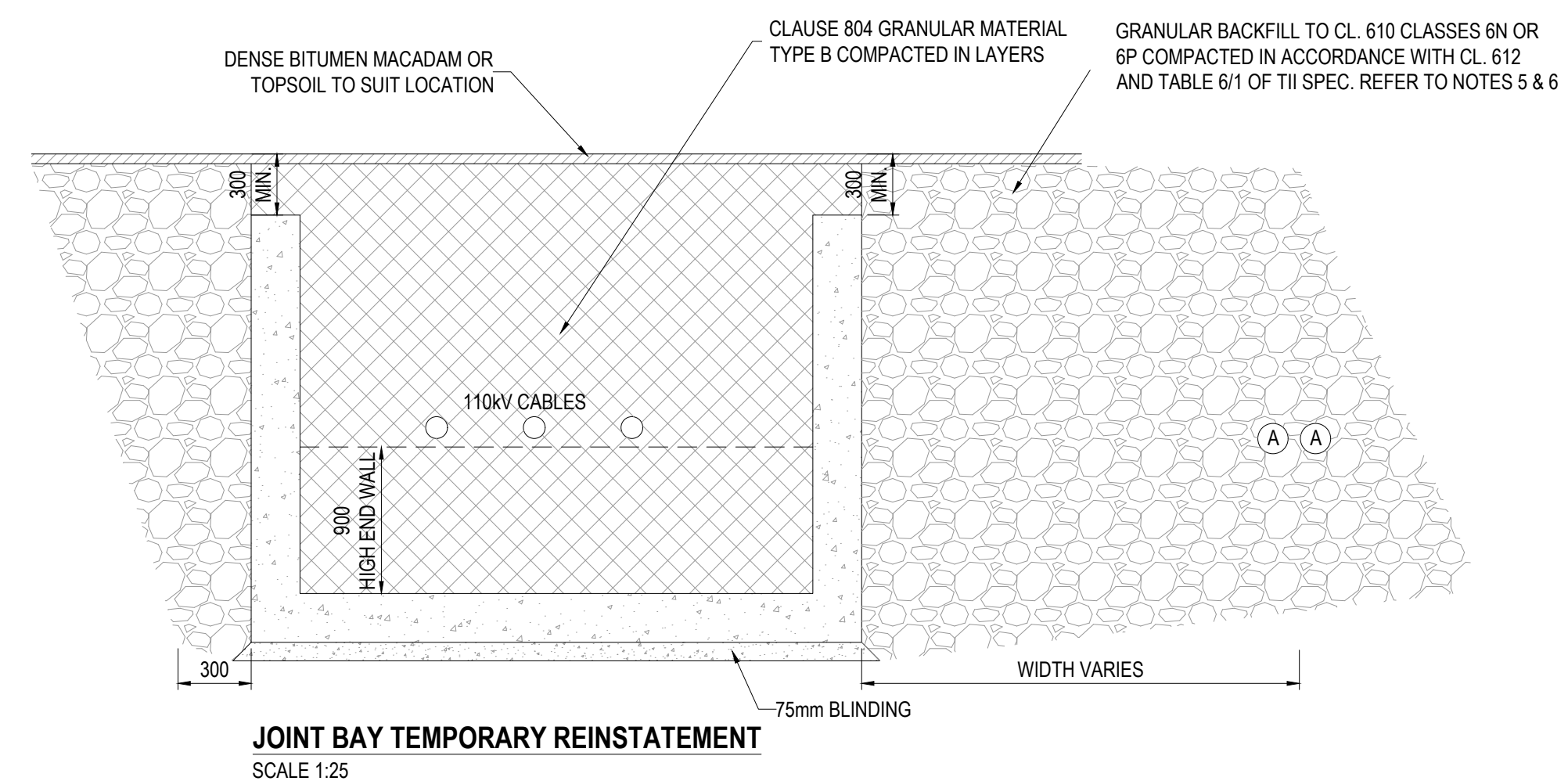
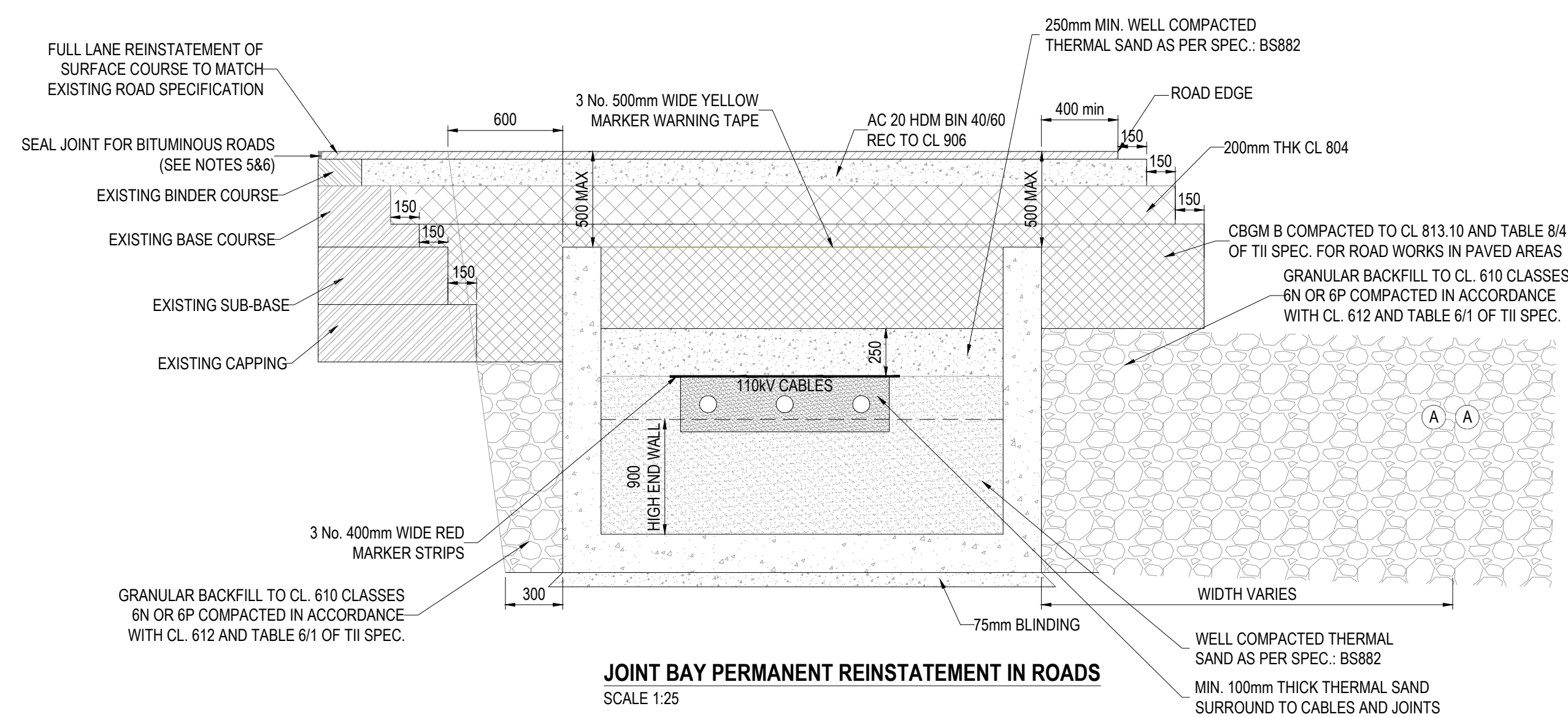
**Clifton Scannell Emerson
Associates Limited**
Consulting Engineers,
Seafort Lodge,
Castledawson Avenue,
Blackrock, Co. Dublin,
Ireland, A94 P768

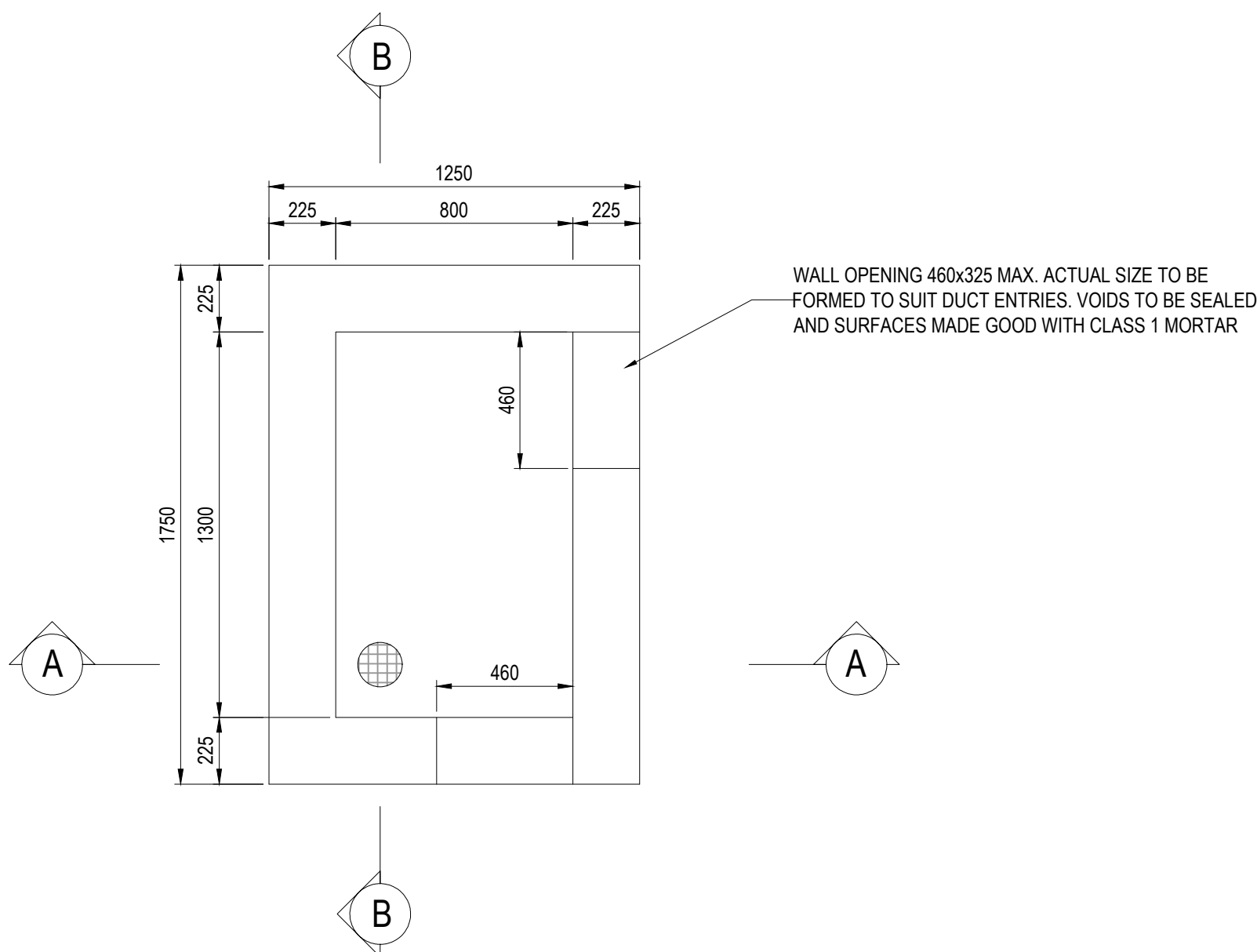
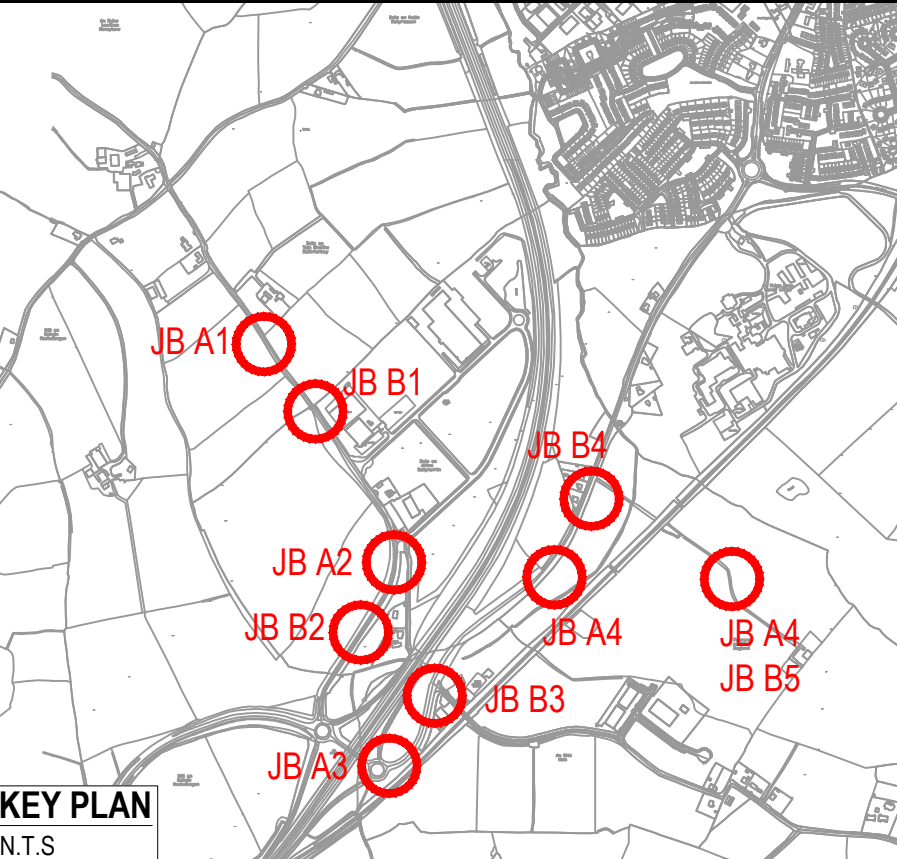
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22 131 - CSE - GEN - XX - DR - C - 15131

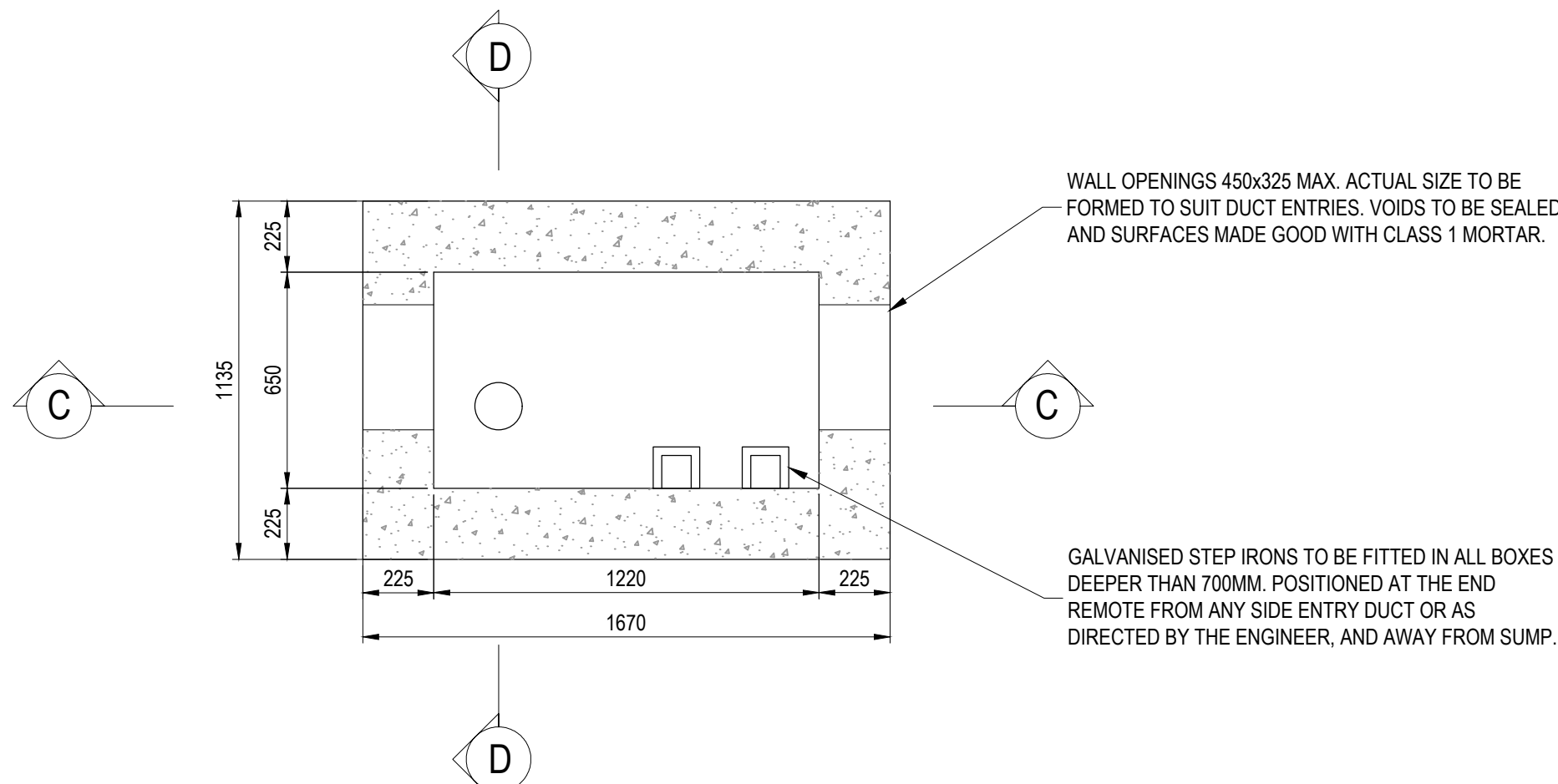
Status Code	Suitability Description
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PL01	PLANNING
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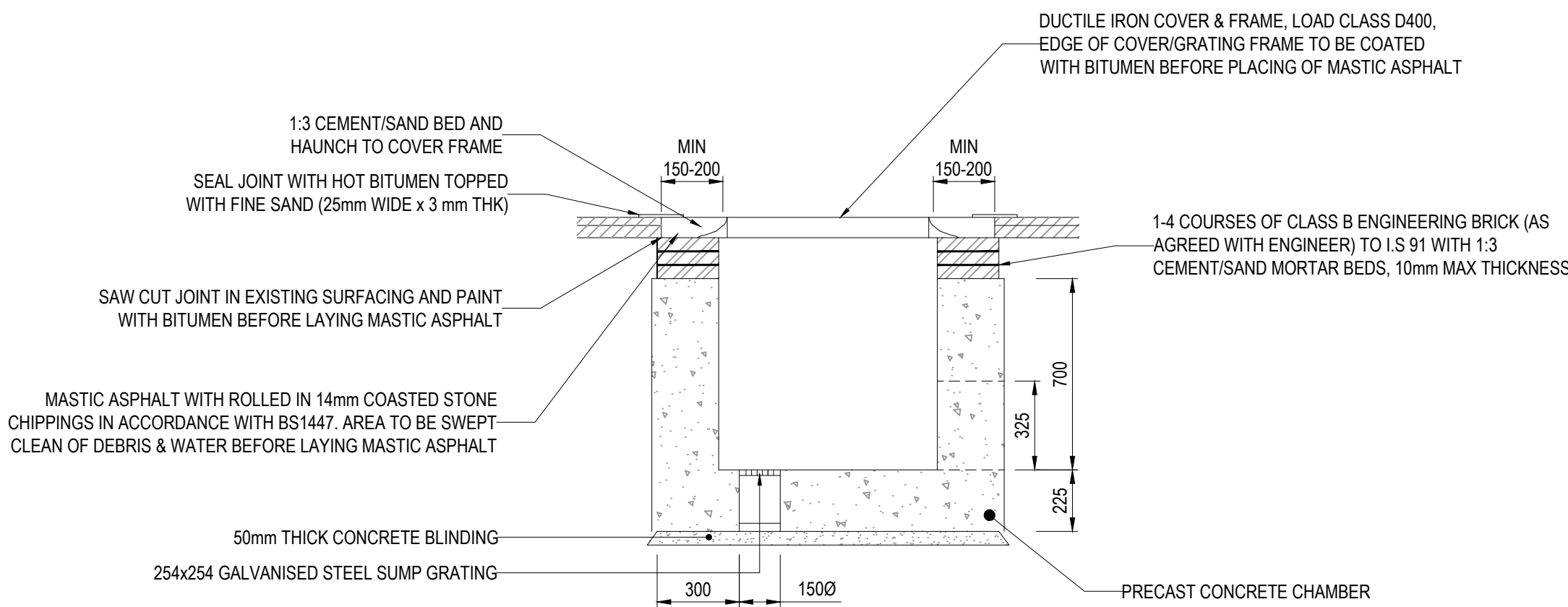




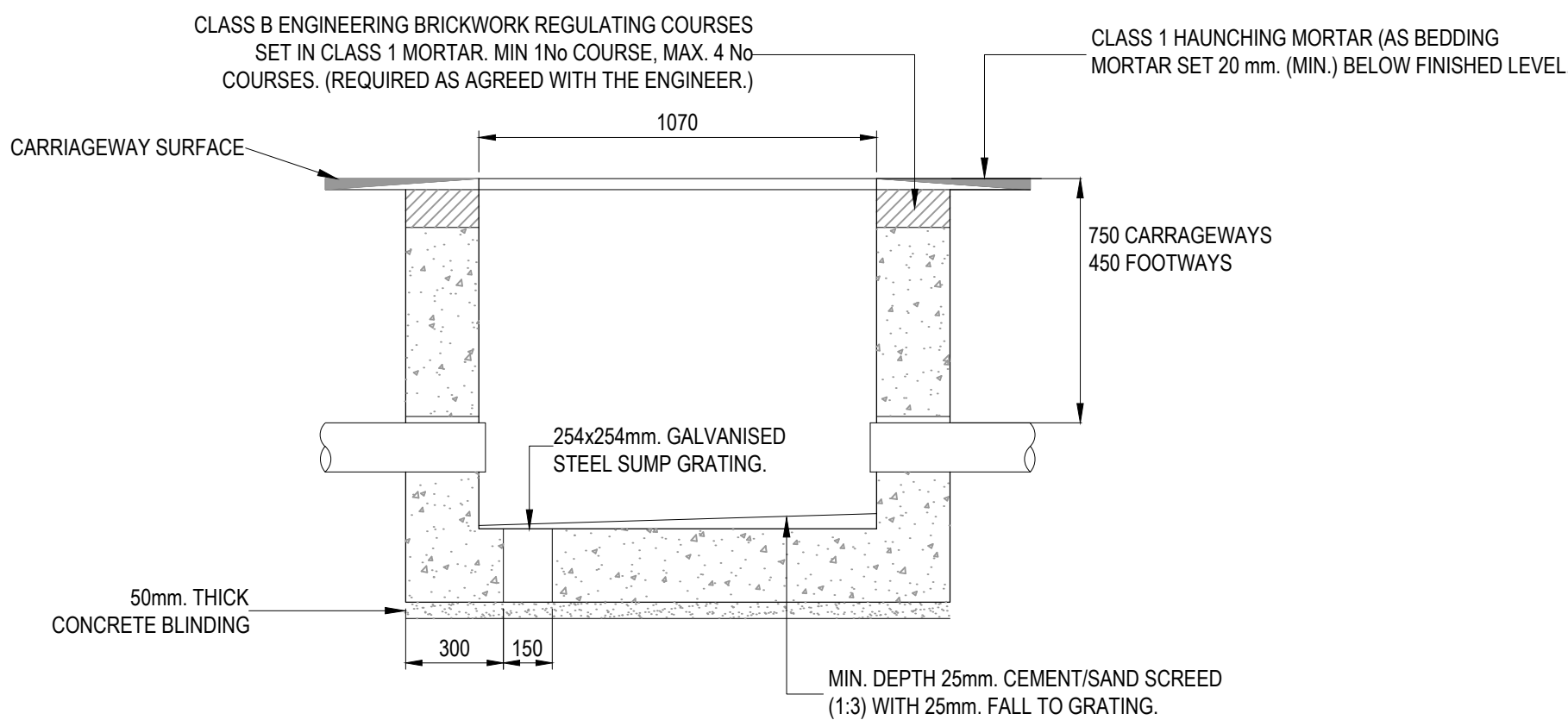
LINK BOX CHAMBER PLAN
SCALE 1:20



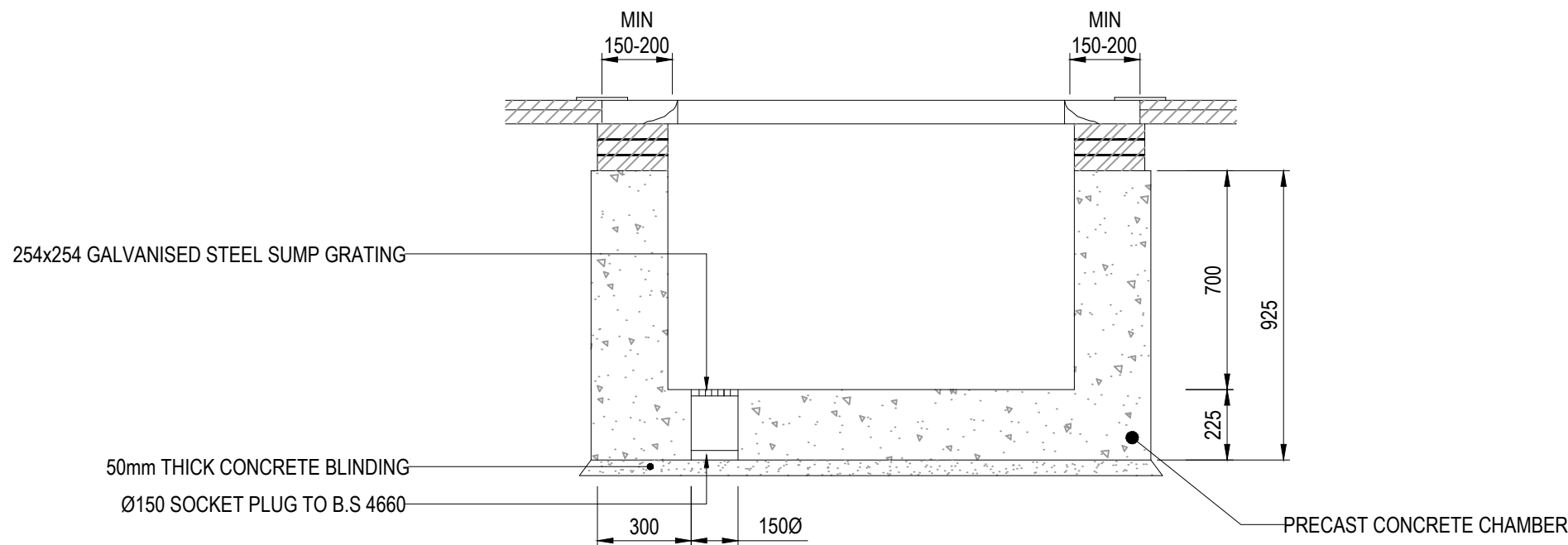
COMMUNICATION CHAMBER PLAN
COVER, FRAME & DUCTS OMITTED FOR CLARITY
SCALE 1:20



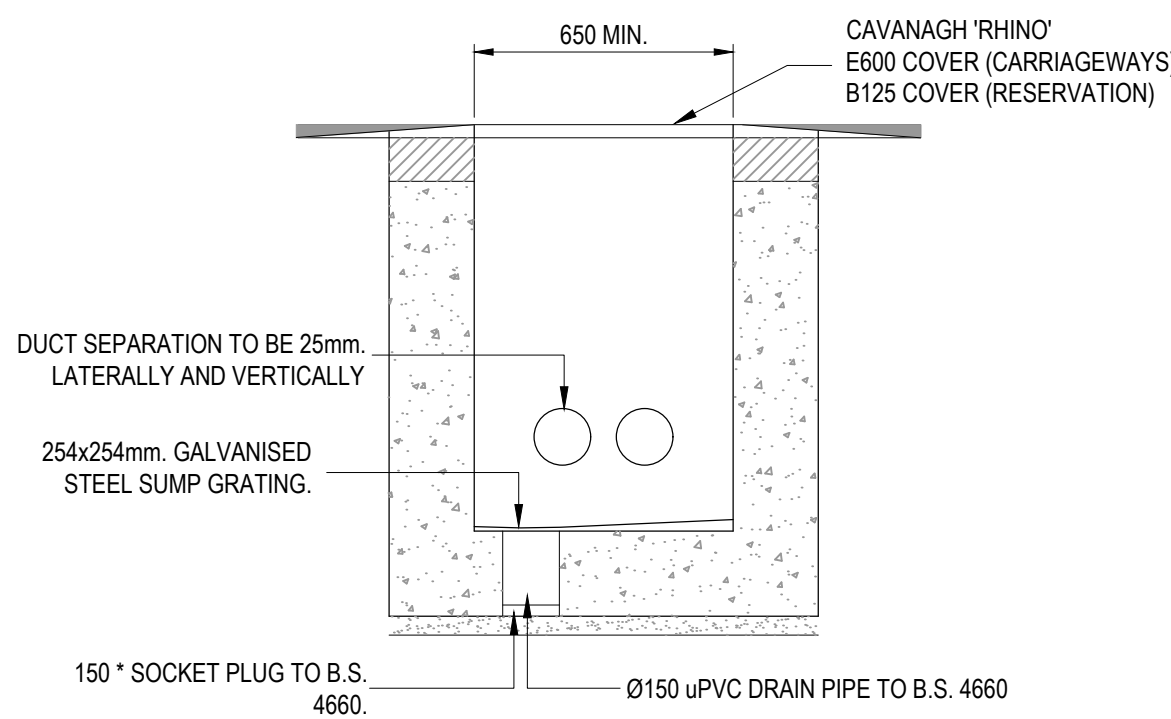
SECTION A-A
SCALE 1:20



SECTION C-C
SCALE 1:20

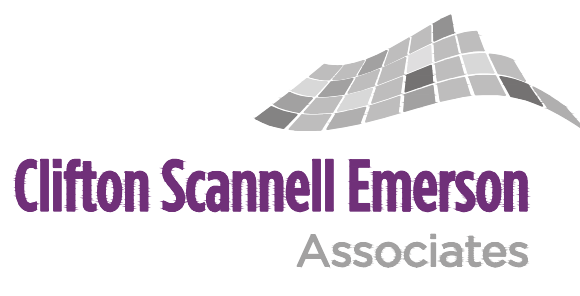


SECTION B-B
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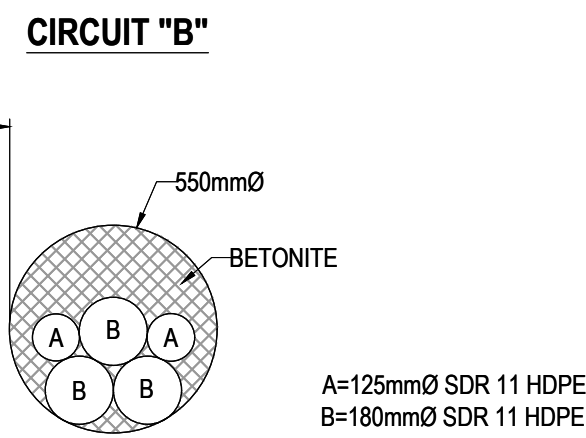
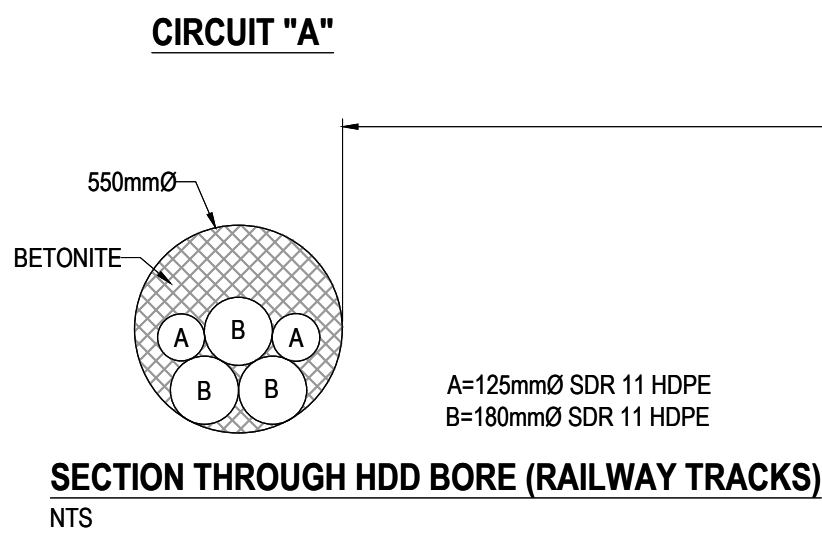
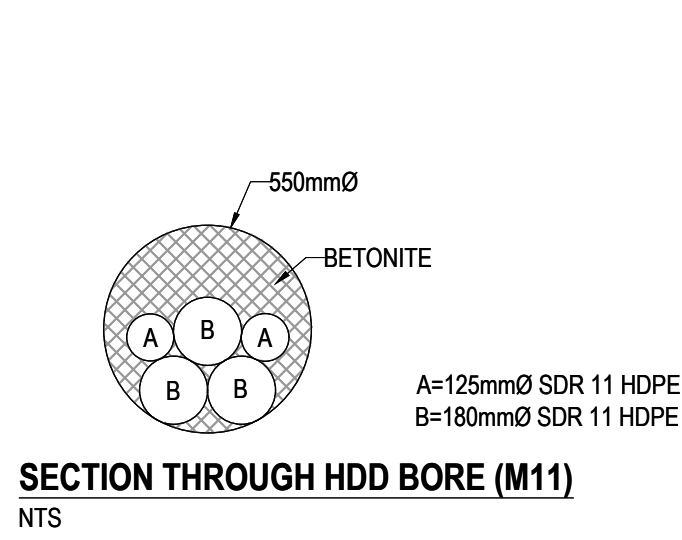
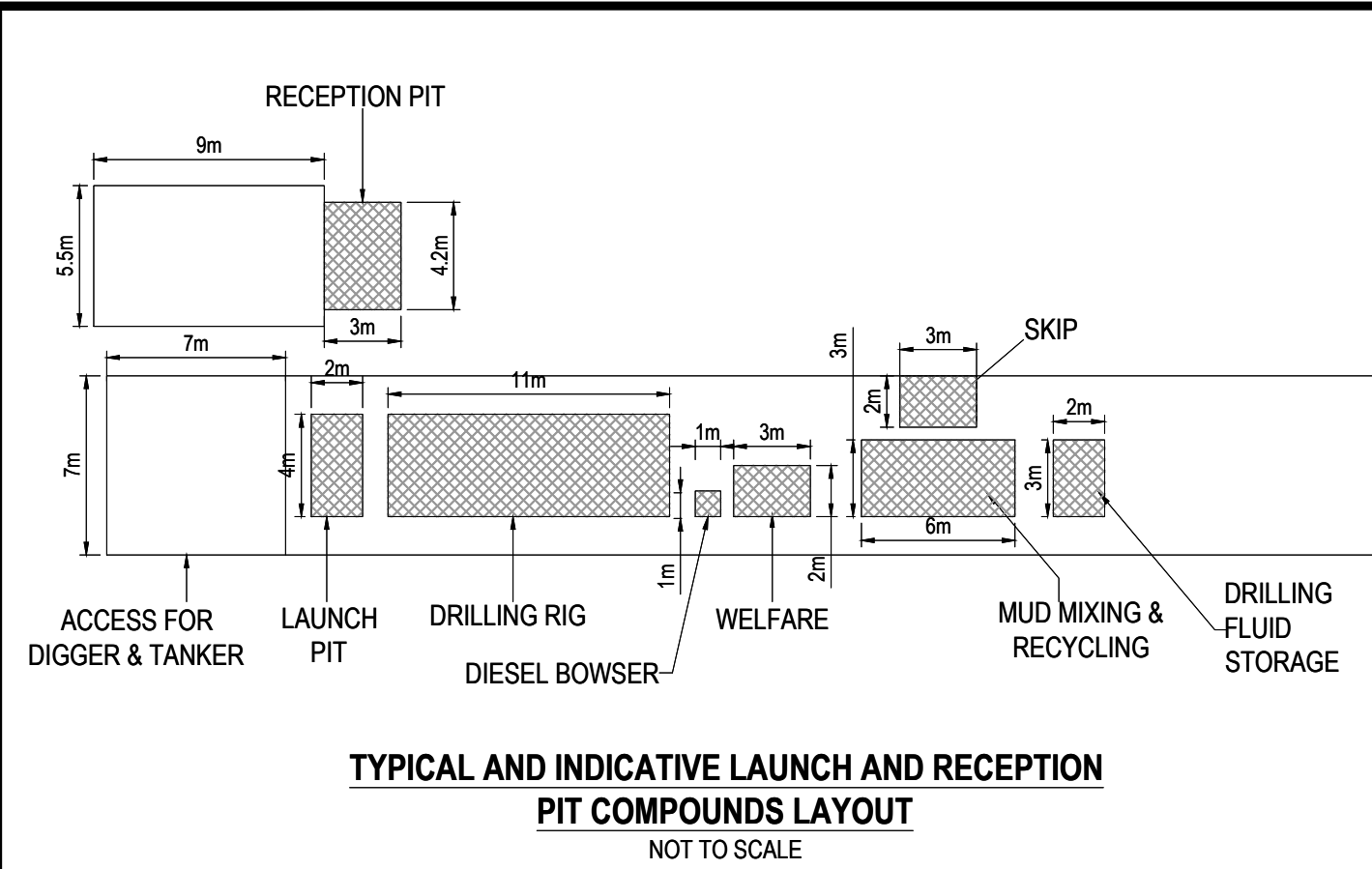
SECTION D-D
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PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/XX
Rev	Description	Drawn	Checked	Date



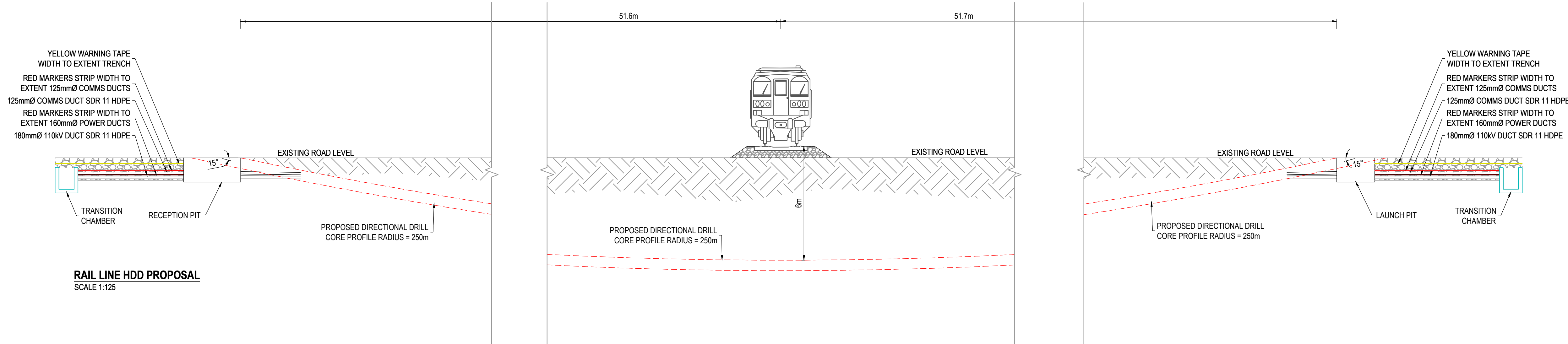
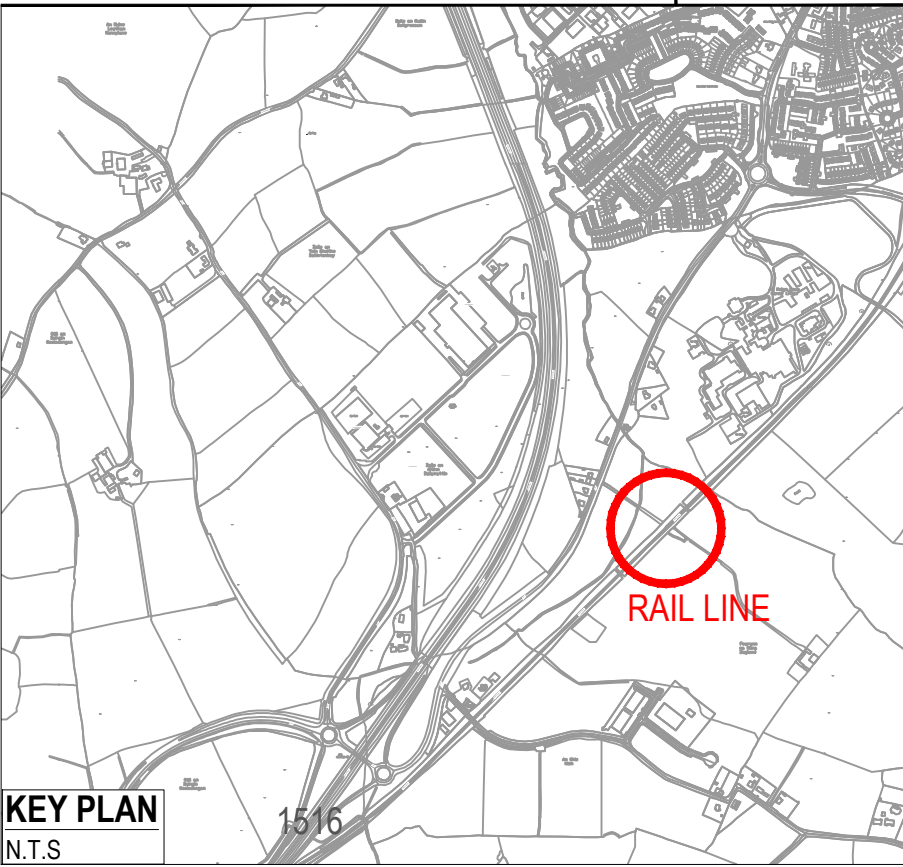
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Client		CRAG WICKLOW LIMITED				
		DUB 30				
Project		GRID CONNECTION				
		TYPICAL LINK AND C2				
		COMMS CHAMBERS DETAILS				
Dwg. Title						
Drawn By		KT	SEP. 2025		22_131	
DRL		AS INDICATED @ A1				
Checked By			Scale	CSEA Job No.		
Project Code	Originator	Zone/ Phase	Level	Type	Role	Dwg. No.
22_131 - CSE - GEN - XX - DR - C - 15132						
S2		FOR INFORMATION				
Status Code		Suitability Description				
PL01		PLANNING				
Revision		Project Status				



DRAWING IS PRODUCED USING THE
IRISH TRANSVERSE MERCATOR (ITM)
GEOGRAPHIC COORDINATE SYSTEM

A1



							</		

1. A = COMMS DUCTING 125 mm SDR 17.6 HDPE
B = 110KV DUCTING 160 mm SDR 21 HDPE
2. ALL PRODUCTS AND MATERIALS TO BE UTILISED DURING CONSTRUCTION TO COMPLY WITH EIRGRID FUNCTIONAL SPECIFICATION, EBN STANDARDS, TII SPECIFICATION FOR ROAD WORKS AND ALL RELEVANT IRISH (EUROPEAN) AND BRITISH STANDARDS
3. 300mm MINIMUM VERTICAL AND HORIZONTAL CLEARANCES TO BE OBSERVED BETWEEN CABLE DUCTS AND 3rd PARTY SERVICES. HIGH RISK 3rd PARTY SERVICES CROSSING TO BE CONSULTED WITH EIRGRID AND SERVICE OWNER
4. STEEL PLATES MUST COVER DUCTS. NO OVERLAP IS REQUIRED HOWEVER STANDARD DIMENSIONS MAY RESULT IN AN OVERLAP. SPACING OF 10mm TO BE MAINTAINED BETWEEN STEEL PLATES TO PREVENT THE TRANSFER OF ANY CURRENT
5. THE MINIMUM CLEARANCE BETWEEN ALL HV AND COMMUNICATION DUCTS IS 75mm
6. WOODEN TEMPLATES ARE TO BE USED AT 5m INTERVALS DURING DUCT INSTALLATION. PRE-MADE 75mm WIDE CONCRETE SPACERS TO BE USED DURING DUCT INSTALLATION IN WET CONCRETE
7. MINIMUM BURIAL DEPTH IS 425mm AS PER REQUIREMENTS OF HSA - CODE OF PRACTICE FOR AVOIDING DANGER FROM UNDERGROUND SERVICES



Rev	Description	Drawn	Checked	Date
	 Clifton Scannell Emerson Associates Consulting Engineers, Seaford Lodge, Castledawson Avenue, Blackrock, Co. Dublin, Ireland. A04 P783 Clifton Scannell Emerson Associates			
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1. A = COMMS DUCTING 125 mm SDR 17.6 HDPE
B = 110KV DUCTING 160 mm SDR 21 HDPE
2. ALL PRODUCTS AND MATERIALS TO BE UTILISED DURING CONSTRUCTION TO COMPLY WITH EIRGRID FUNCTIONAL SPECIFICATION, EBN STANDARDS, TII SPECIFICATION FOR ROAD WORKS AND ALL RELEVANT IRISH (EUROPEAN) AND BRITISH STANDARDS
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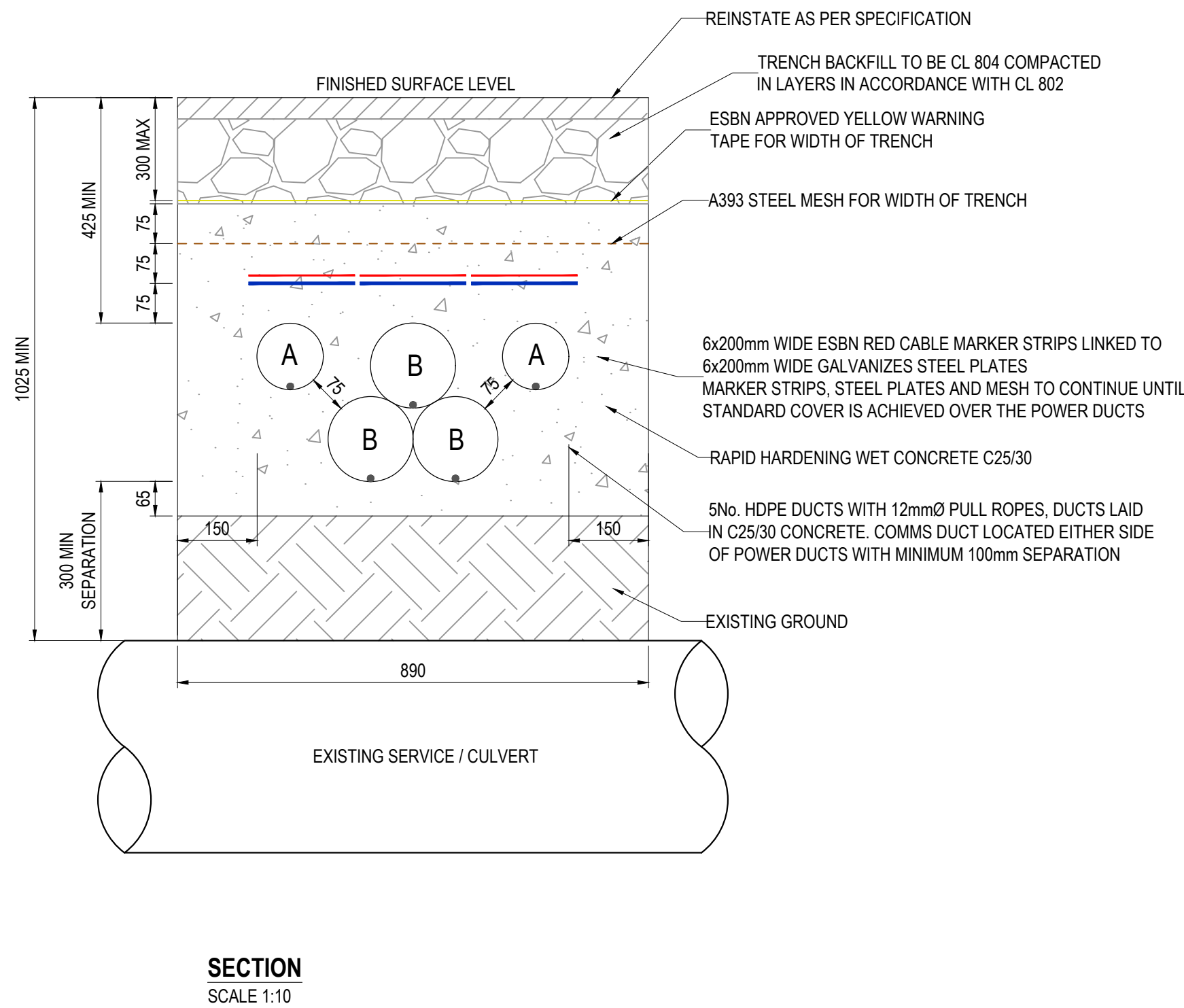
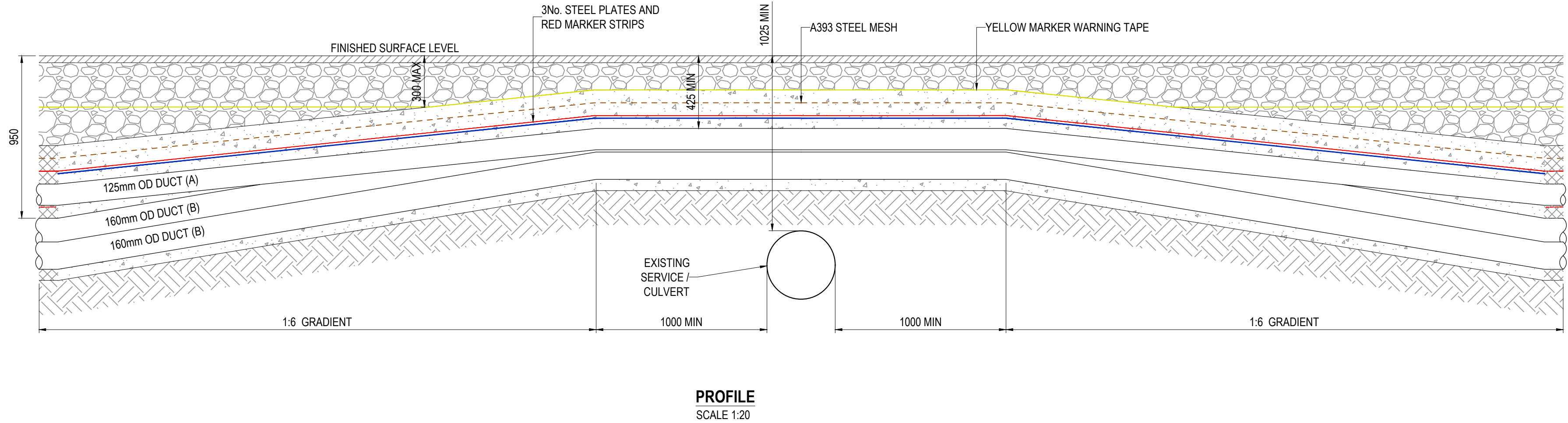
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Client						
DUB 30						
GRID CONNECTION						
STANDARD TRENCH CROSSING BELOW						
3RD PARTY - FLAT						
Dwg. Title						
Drawn By		KT		Date		SEP. 2025
Checked By		DRL		AS INDICATED @ A1		22_131
Scale						CSEA Job No.
Project Code	Originator	Zone/ Phase	Level	Type	Role	Dwg. No.
22_131 - CSE - GEN - XX - DR - C - 15141						
S2						
FOR INFORMATION						
Status Code		Suitability Description				
PL01						
Revision		PLANNING				
Project Status						

NOTES:

- A = COMMS DUCTING 125 mm SDR 17.6 HDPE
B = 110kV DUCTING 160 mm SDR 21 HDPE
- ALL PRODUCTS AND MATERIALS TO BE UTILISED DURING CONSTRUCTION TO COMPLY WITH EIRGRID FUNCTIONAL SPECIFICATION, EBN STANDARDS, TII SPECIFICATION FOR ROAD WORKS AND ALL RELEVANT IRISH (EUROPEAN) AND BRITISH STANDARDS
- 300mm MINIMUM VERTICAL AND HORIZONTAL CLEARANCES TO BE OBSERVED BETWEEN CABLE DUCTS AND 3rd PARTY SERVICES. HIGH RISK 3rd PARTY SERVICES CROSSING TO BE CONSULTED WITH EIRGRID AND SERVICE OWNER
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- WOODEN TEMPLATES ARE TO BE USED AT 5m INTERVALS DURING DUCT INSTALLATION. PRE-MADE 75mm WIDE CONCRETE SPACERS TO BE USED DURING DUCT INSTALLATION IN WET CONCRETE
- MINIMUM BURIAL DEPTH IS 425mm AS PER REQUIREMENTS OF HSA - CODE OF PRACTICE FOR AVOIDING DANGER FROM UNDERGROUND SERVICES



PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/XX
Rev	Description	Drawn	Checked	Date



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Client

DUB 30

Project

GRID CONNECTION

Dwg. Title

TYPICAL TRENCH CROSSING OVER
3RD PARTY - COMMS LOWERED

Drawn By

KT

Checked By

DRL

Date

SEP. 2025

Scale

AS INDICATED @ A1

CSEA Job No.

22_131

Project Code	Originator	Zone/ Phase	Level	Type	Role	Dwg. No.
22_131	CSE	GEN	XX	DR	C	15142

S2

Status Code

Suitability Description

FOR INFORMATION

PL01

Revision

Project Status

PLANNING

1. A = COMMS DUCTING 125 mm SDR 21 HDPE
B = 110kV DUCTING 160 mm SDR 21 HDPE
2. ALL PRODUCTS AND MATERIALS TO BE UTILISED DURING CONSTRUCTION TO COMPLY WITH EIRGRID FUNCTIONAL SPECIFICATION, EBN STANDARDS, TII SPECIFICATION FOR ROAD WORKS AND ALL RELEVANT IRISH (EUROPEAN) AND BRITISH STANDARDS
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5. THE MINIMUM CLEARANCE BETWEEN ALL HV AND COMMUNICATION DUCTS IS 75mm
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7. MINIMUM BURIAL DEPTH IS 425mm AS PER REQUIREMENTS OF HSA - CODE OF PRACTICE FOR AVOIDING DANGER FROM UNDERGROUND SERVICES



PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/X
Rev	Description	Drawn	Checked	Date

Client								CRAG WICKLOW LIMITED							
								DUB 30							
Project								GRID CONNECTION							
TYPICAL TRENCH CROSSING BELOW															
3RD PARTY - COMMS LOWERED															
Dwg. Title				KT				SEP. 2025							
Drawn By				Date								22_131			
DRL				AS INDICATED @ A1											
Checked By				Scale								CSEA Job No.			
Project Code				Originator				Zone/ Phase				Level			
												Type			
												Role			
												Dwg. No.			
22_131 - CSE - GEN - XX - DR - C - 15143															
S2				FOR INFORMATION											
Status Code				Suitability Description											
PL01				PLANNING											
Revision				Project Status											

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7. MINIMUM BURIAL DEPTH IS 425mm AS PER REQUIREMENTS OF HSA - CODE OF PRACTICE FOR AVOIDING DANGER FROM UNDERGROUND SERVICES



PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/XX
Rev	Description	Drawn	Checked	Date

Client CRAG WICKLOW LIMITED

TYPICAL TRENCH CROSSING OVER
3RD PARTY - TREFOIL

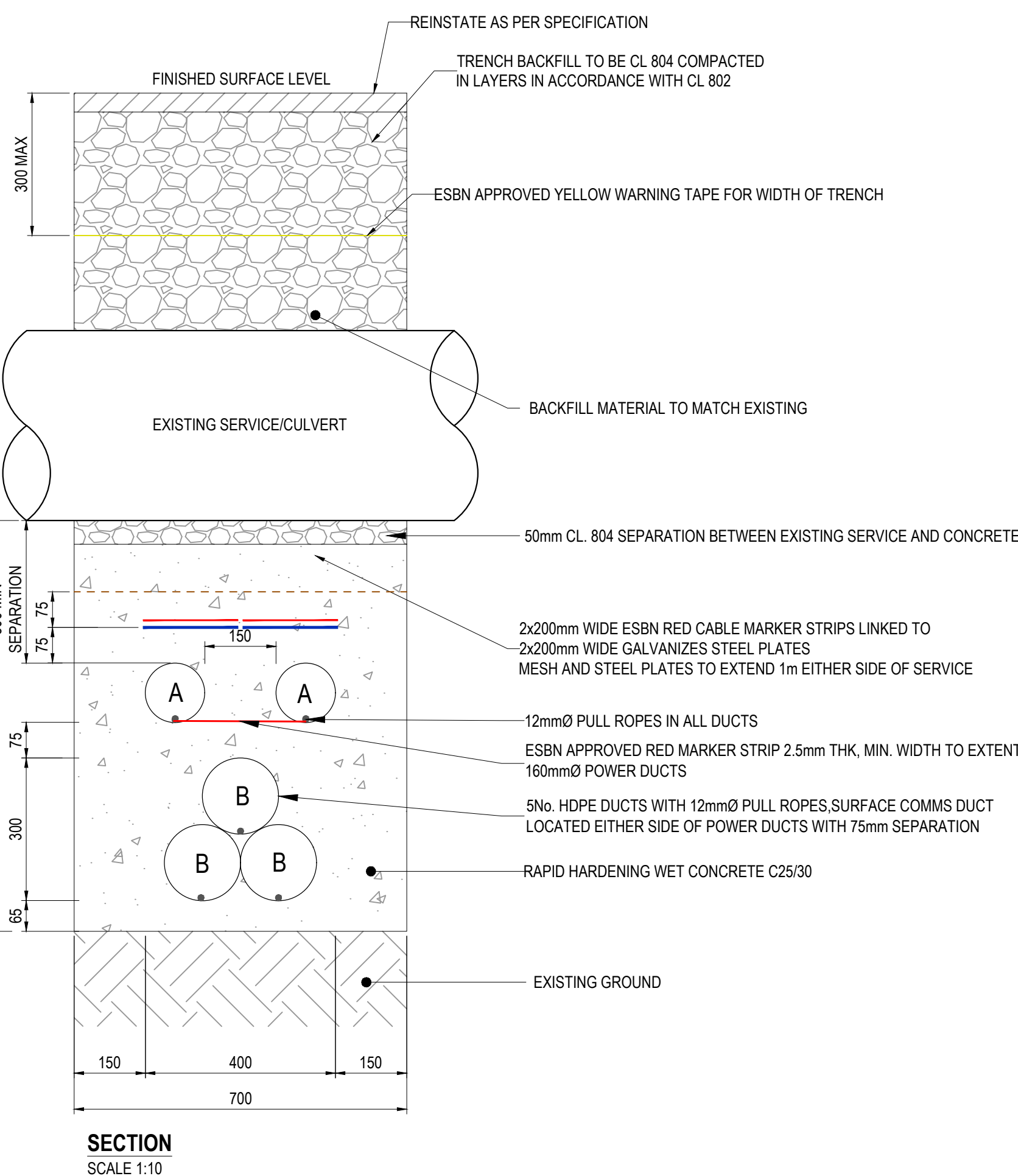
Project Code	Originator	Zone/ Phase	Level	Type	Role	Dwg. No.
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S2	FOR INFORMATION
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Status Code	Suitability Description
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PL01 PLANNING

1. A = COMMS DUCTING 125 mm SDR 17.6 HDPE
B = 110KV DUCTING 160 mm SDR 21 HDPE
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[illegible]

PL01	ISSUED FOR PLANNING	KT	DRL	XX/XX/X
Rev	Description	Drawn	Checked	Date



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Client	CRAG WICKLOW LIMITED						
	DUB 30						
Project	GRID CONNECTION						
	TYPICAL TRENCH CROSSING BELOW						
	3RD PARTY - TREFOIL						
Dwg. Title							
Drawn By	KT	Date	SEP. 2025		22_131		
	DRL	AS INDICATED @ A1					
Checked By		Scale			CSEA Job No.		
Project Code	Originator	Zone/ Phase	Level	Type	Role	Dwg. No.	
22_131 - CSE - GEN - XX - DR - C - 15145							
S2		FOR INFORMATION					
Status Code	Suitability Description						
PL01		PLANNING					
Revision	Project Status						