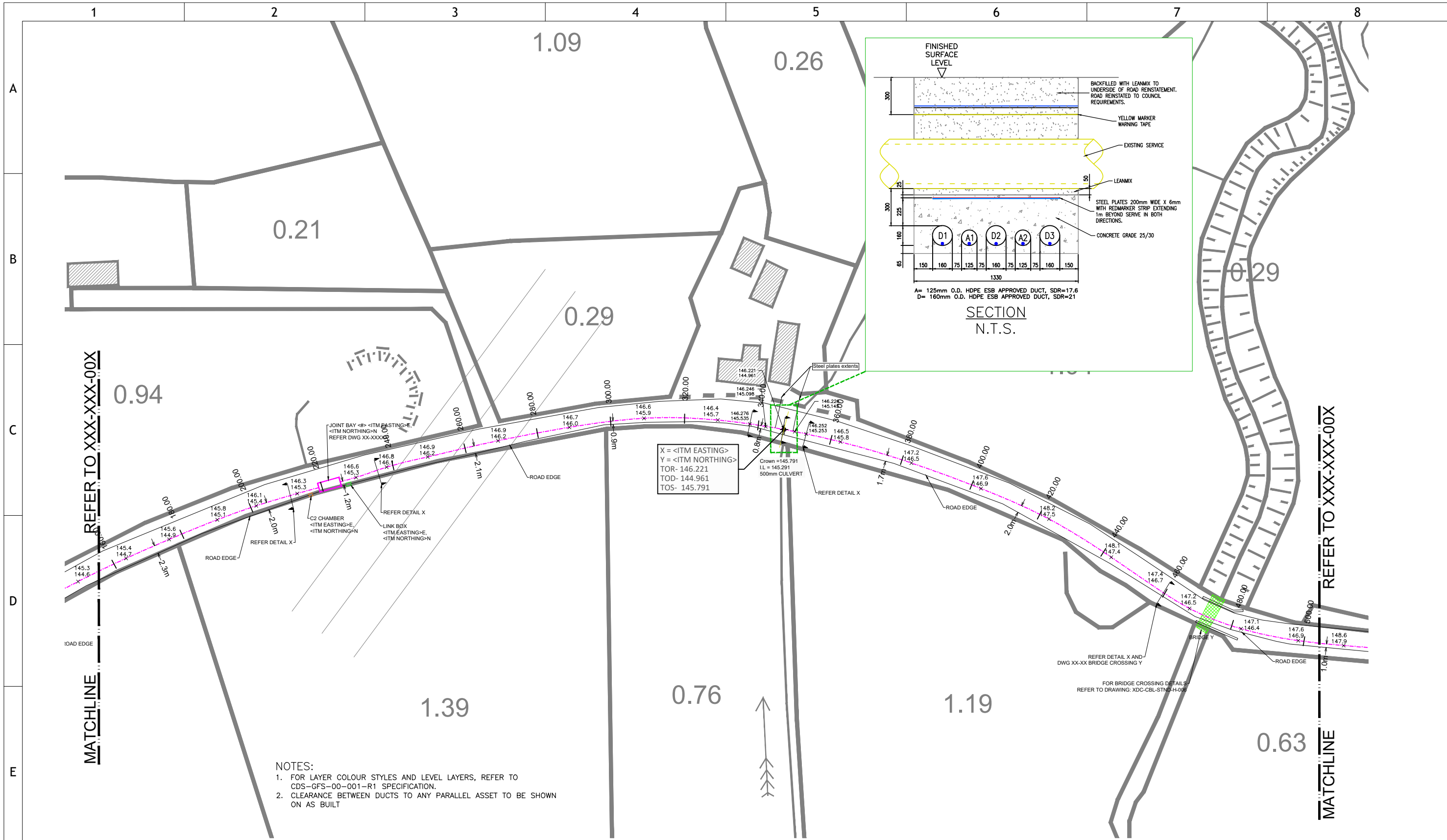


DRAWING IS NOT TO SCALE - IF IN DOUBT, ASK



 EirGrid plc The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland Telephone: +353 1 677 1700 Fax: +353 1 661 5375 Email: info@eirgrid.com Web: www.eirgrid.com		PROJECT STANDARD CABLE DRAWINGS	
COPYRIGHT © EirGrid plc All rights reserved. No part of this work may be modified or reproduced or copied in any form or by any means - graphic, electronic or mechanical, including photocopying, recording, taping or information and retrieval system, or used for any purpose other than its designated purpose, without the written permission of EirGrid plc		DRAWING TITLE SAMPLE AS-BUILT CABLE ROUTE REQUIREMENTS	
		No of Shts 1	SIZE A3
DRAWING NUMBER XDC-CBL-STND-G-009		SHEET 001	REV 00

00	FIRST ISSUE	PC	DG	NC	21/04/2023
REV	DESC	DRAWN	CHK'D	APP'D	DATE

1

2

3

4

DRAWING IS NOT TO SCALE - IF IN DOUBT, ASK

A

B

C

D

E

F

12345678

STANDARD CABLE DRAWINGS
1300x800 LINK BOX CHAMBER

DRAWING No.	SHEET No.	DESCRIPTION	REVISION No.
XDC-CBL-STND-G-011	001	PRE-CAST CONCRETE LINK BOX CHAMBER INDEX SHEET	01
XDC-CBL-STND-G-011	002	PRE-CAST CONCRETE LINK BOX CHAMBER GENERAL ARRANGEMENT	01

01	SECOND ISSUE	AECOM	DG	NC	26/06/2024
00	FIRST ISSUE	AECOM	DG	NC	21/04/2023
REV	DESC	DRAWN	CHK'D	APP'D	DATE



EirGrid plc
The Oval, 160 Shelbourne Road,
Ballsbridge, Dublin 4, Ireland

Telephone: +353 1 677 1700
Fax: +353 1 661 5375
Email: info@eirgrid.com
Web: www.eirgrid.com

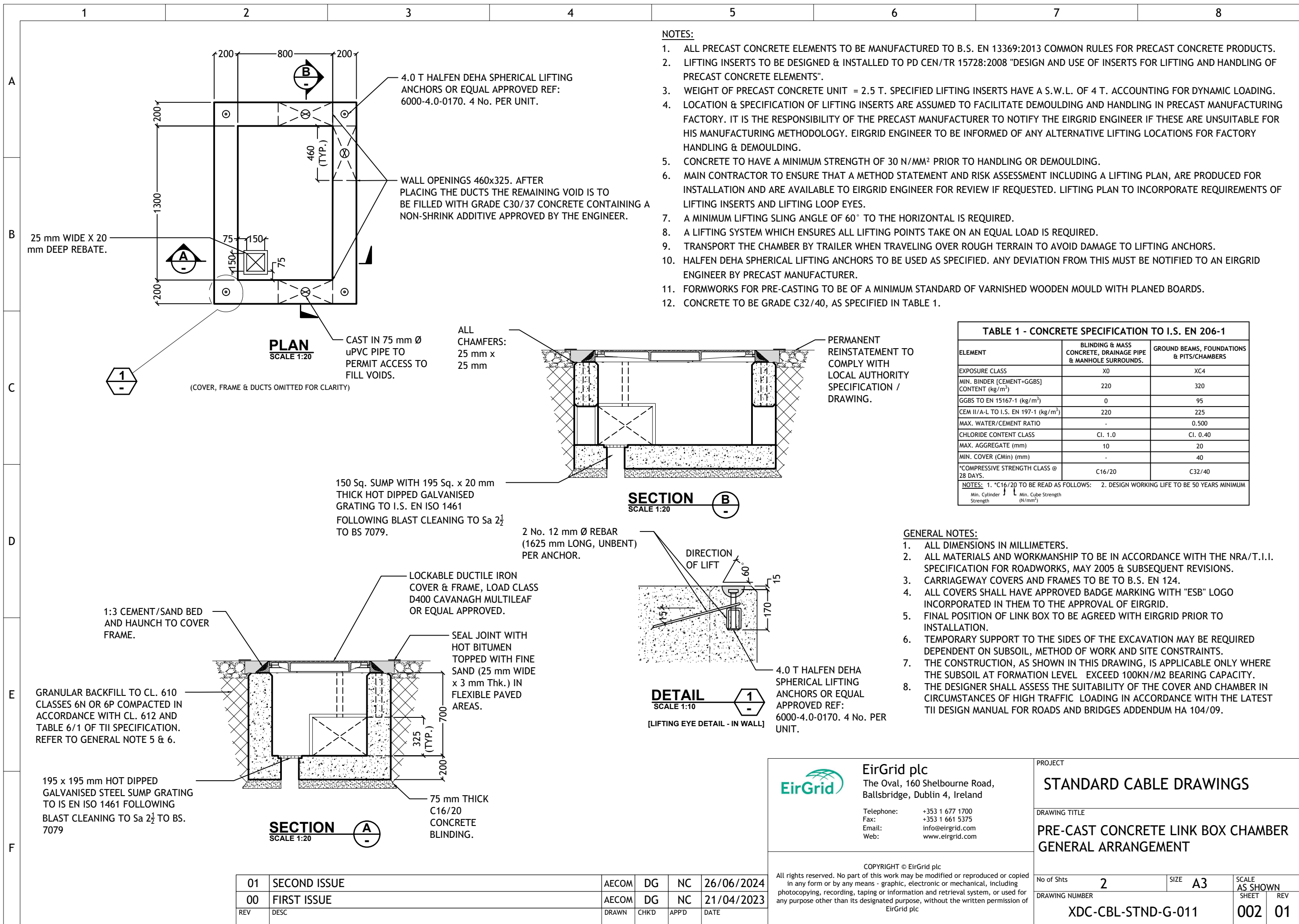
COPYRIGHT © EirGrid plc
All rights reserved. No part of this work may be modified or reproduced or copied
in any form or by any means - graphic, electronic or mechanical, including
photocopying, recording, taping or information and retrieval system, or used for
any purpose other than its designated purpose, without the written permission of
EirGrid plc

PROJECT
STANDARD CABLE DRAWINGS

DRAWING TITLE
PRE-CAST CONCRETE LINK BOX CHAMBER
INDEX SHEET

No of Shts	2	SIZE	A3	SCALE	N/A
DRAWING NUMBER	XDC-CBL-STND-G-011	SHEET	001	REV	01

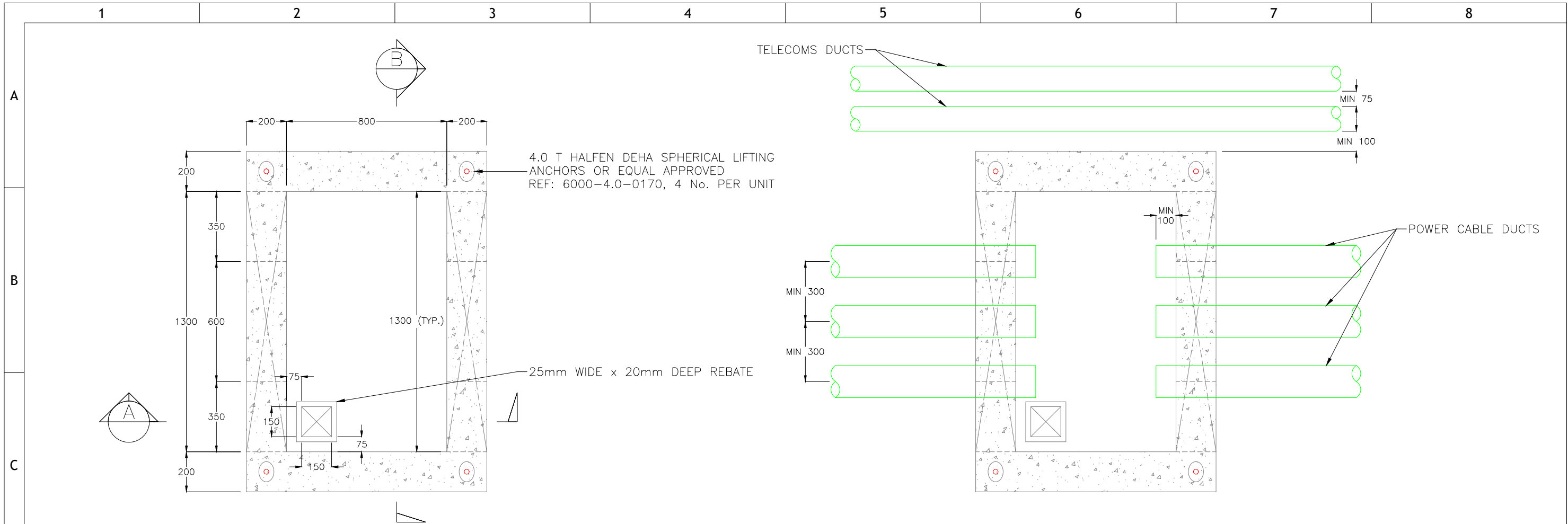
DRAWING IS NOT TO SCALE - IF IN DOUBT, ASK



D

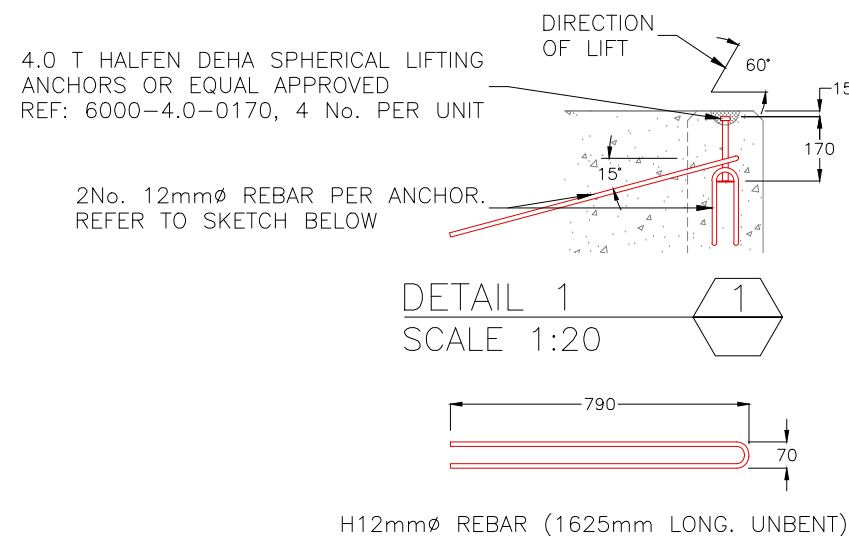
	1	2	3	4	5	6	7	8																										
A																																		
B																																		
C	STANDARD CABLE DRAWINGS TRANSITION CHAMBER <table><tr><th>DRAWING No.</th><th>SHEET No.</th><th>DESCRIPTION</th><th>REVISION No.</th></tr><tr><td>XDC-CBL-STND-G-013</td><td>001</td><td>TRANSITION CHAMBER INDEX SHEET</td><td>00</td></tr><tr><td>XDC-CBL-STND-G-013</td><td>002</td><td>TRANSITION CHAMBER GENERAL ARRANGEMENT</td><td>00</td></tr><tr><td>XDC-CBL-STND-G-013</td><td>003</td><td>TRANSITION CHAMBER SECTION DETAILS</td><td>00</td></tr><tr><td>XDC-CBL-STND-G-013</td><td>004</td><td>TRANSITION CHAMBER REINSTATEMENT</td><td>00</td></tr><tr><td>XDC-CBL-STND-G-013</td><td>005</td><td>TRANSITION CHAMBER NOTES</td><td>00</td></tr></table>								DRAWING No.	SHEET No.	DESCRIPTION	REVISION No.	XDC-CBL-STND-G-013	001	TRANSITION CHAMBER INDEX SHEET	00	XDC-CBL-STND-G-013	002	TRANSITION CHAMBER GENERAL ARRANGEMENT	00	XDC-CBL-STND-G-013	003	TRANSITION CHAMBER SECTION DETAILS	00	XDC-CBL-STND-G-013	004	TRANSITION CHAMBER REINSTATEMENT	00	XDC-CBL-STND-G-013	005	TRANSITION CHAMBER NOTES	00		
DRAWING No.	SHEET No.	DESCRIPTION	REVISION No.																															
XDC-CBL-STND-G-013	001	TRANSITION CHAMBER INDEX SHEET	00																															
XDC-CBL-STND-G-013	002	TRANSITION CHAMBER GENERAL ARRANGEMENT	00																															
XDC-CBL-STND-G-013	003	TRANSITION CHAMBER SECTION DETAILS	00																															
XDC-CBL-STND-G-013	004	TRANSITION CHAMBER REINSTATEMENT	00																															
XDC-CBL-STND-G-013	005	TRANSITION CHAMBER NOTES	00																															
D																																		
E																																		
F	<table><tr><td colspan="4">  EirGrid plc The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland Telephone: +353 1 677 1700 Fax: +353 1 661 5375 Email: info@eirgrid.com Web: www.eirgrid.com COPYRIGHT © EirGrid plc All rights reserved. No part of this work may be modified or reproduced or copied in any form or by any means - graphic, electronic or mechanical, including photocopying, recording, taping or information and retrieval system, or used for any purpose other than its designated purpose, without the written permission of EirGrid plc </td><td colspan="4"> PROJECT STANDARD CABLE DRAWINGS DRAWING TITLE TRANSITION CHAMBER INDEX SHEET No of Shts5 SIZEA3 SCALEN/A DRAWING NUMBER XDC-CBL-STND-G-013 SHEET001 REV00 </td></tr><tr><td>00</td><td colspan="3">FIRST ISSUE</td><td>OB</td><td>DG</td><td>NC</td><td colspan="2">21/04/2023</td></tr><tr><td>REV</td><td colspan="3">DESC</td><td>DRAWN</td><td>CHKD</td><td>APP'D</td><td colspan="2">DATE</td></tr></table>								 EirGrid plc The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland Telephone: +353 1 677 1700 Fax: +353 1 661 5375 Email: info@eirgrid.com Web: www.eirgrid.com COPYRIGHT © EirGrid plc All rights reserved. No part of this work may be modified or reproduced or copied in any form or by any means - graphic, electronic or mechanical, including photocopying, recording, taping or information and retrieval system, or used for any purpose other than its designated purpose, without the written permission of EirGrid plc				PROJECT STANDARD CABLE DRAWINGS DRAWING TITLE TRANSITION CHAMBER INDEX SHEET No of Shts5 SIZEA3 SCALEN/A DRAWING NUMBER XDC-CBL-STND-G-013 SHEET001 REV00				00	FIRST ISSUE			OB	DG	NC	21/04/2023		REV	DESC			DRAWN	CHKD	APP'D	DATE	
 EirGrid plc The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland Telephone: +353 1 677 1700 Fax: +353 1 661 5375 Email: info@eirgrid.com Web: www.eirgrid.com COPYRIGHT © EirGrid plc All rights reserved. No part of this work may be modified or reproduced or copied in any form or by any means - graphic, electronic or mechanical, including photocopying, recording, taping or information and retrieval system, or used for any purpose other than its designated purpose, without the written permission of EirGrid plc				PROJECT STANDARD CABLE DRAWINGS DRAWING TITLE TRANSITION CHAMBER INDEX SHEET No of Shts5 SIZEA3 SCALEN/A DRAWING NUMBER XDC-CBL-STND-G-013 SHEET001 REV00																														
00	FIRST ISSUE			OB	DG	NC	21/04/2023																											
REV	DESC			DRAWN	CHKD	APP'D	DATE																											

DRAWING IS NOT TO SCALE - IF IN DOUBT, ASK



PLAN — TRANSITION CHAMBER
SCALE 1:20 (COVER, FRAME & DUCTS OMITTED FOR CLARITY)

PLAN — TRANSITION CHAMBER
SCALE 1:20 (DUCT SETTING OUT)



DETAIL 1
SCALE 1:20

REFER TO SHEET 005 FOR GENERAL
AND PRECAST CONCRETE NOTES

GENERAL NOTES FOR TELECOMS DUCTS:

1. TELECOMMUNICATION DUCTS NOT TO BE ROUTED THROUGH TRANSITION CHAMBER.
2. IF TRANSITION CHAMBER IS USED TO INTERFACE WITH AN HDD SECTION, THEN THE TELECOMS DUCT SDR 17.6 SHOULD BE CHAMFERED WHEN COUPLED WITH SDR 11 DUCTS.



EirGrid plc
The Oval, 160 Shelbourne Road,
Ballsbridge, Dublin 4, Ireland

Telephone: +353 1 677 1700
Fax: +353 1 661 5375
Email: info@eirgrid.com
Web: www.eirgrid.com

COPYRIGHT © EirGrid plc
All rights reserved. No part of this work may be modified or reproduced or copied in any form or by any means - graphic, electronic or mechanical, including photocopying, recording, taping or information and retrieval system, or used for any purpose other than its designated purpose, without the written permission of EirGrid plc

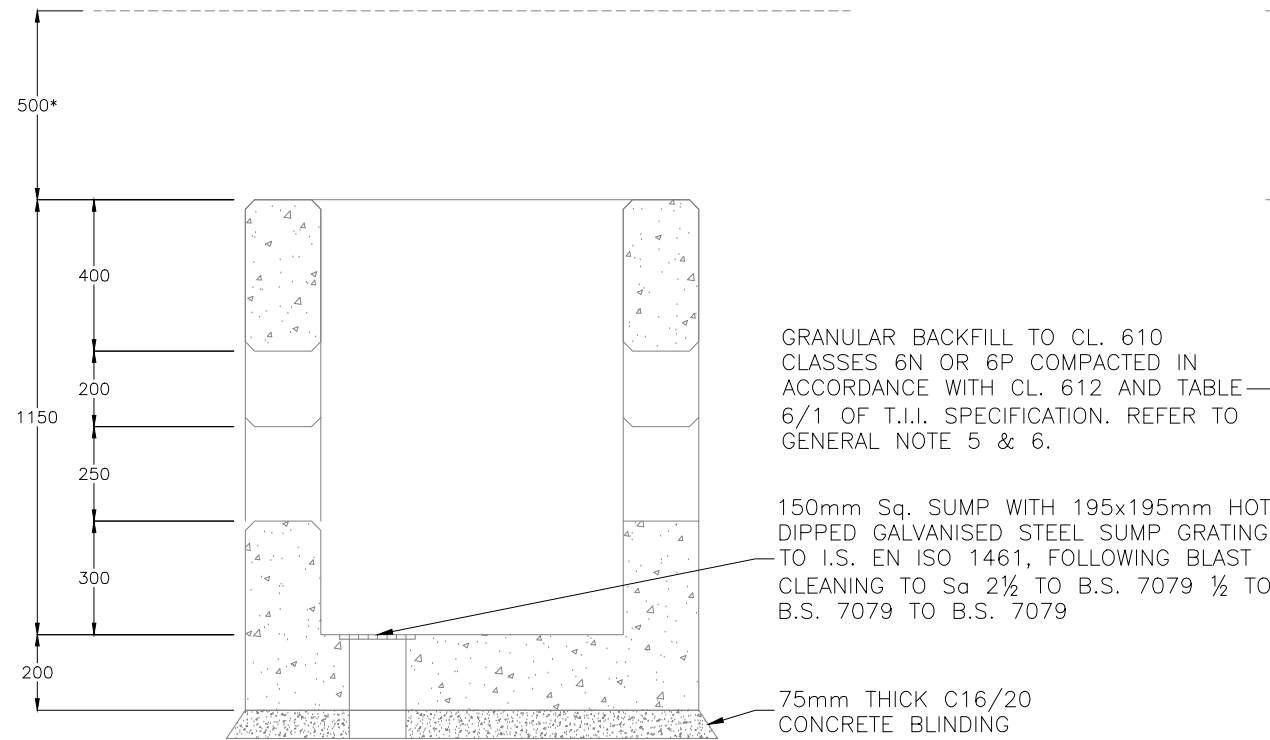
PROJECT
STANDARD CABLE DRAWINGS

DRAWING TITLE
**TRANSITION CHAMBER
GENERAL ARRANGEMENT**

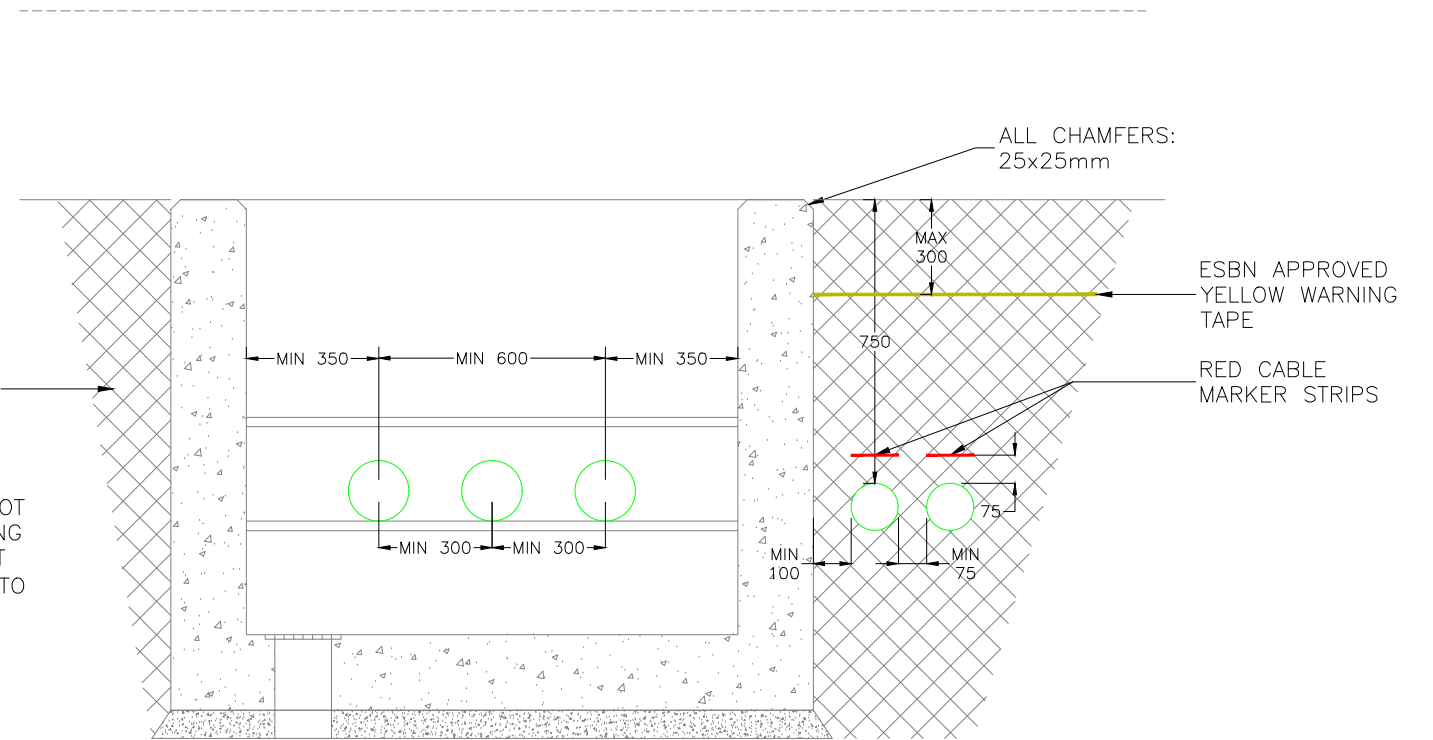
No of Shts	5	SIZE	A3	SCALE	N/A
DRAWING NUMBER	XDC-CBL-STND-G-013			SHEET	002
				REV	00

00	FIRST ISSUE	OB	DG	NC	21/04/2023
REV	DESC	DRAWN	CHK'D	APP'D	DATE

*COVER: REFER TO GENERAL NOTE 14
(SHEET 005)

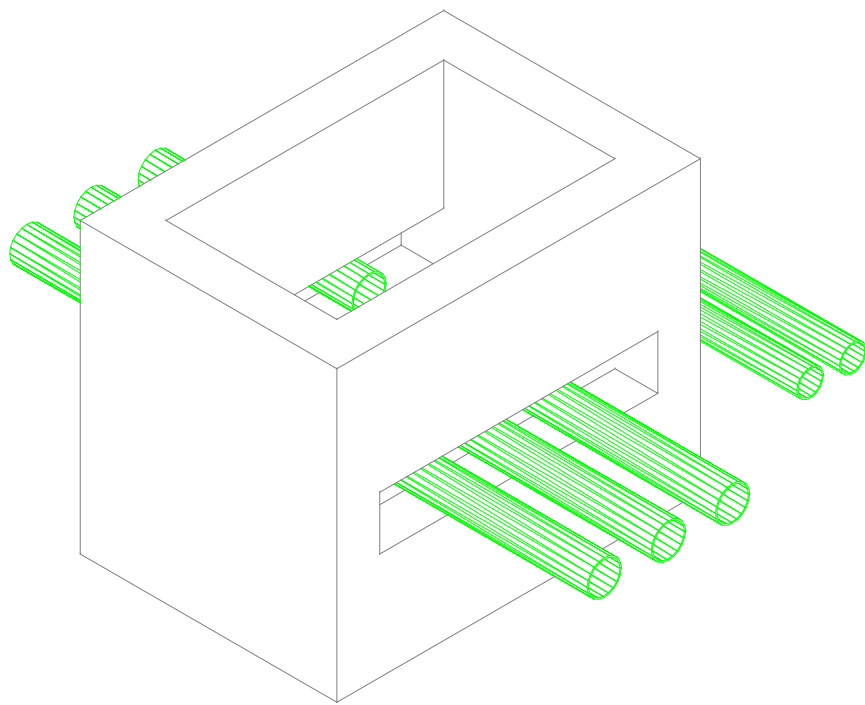


SECTION A
SCALE 1:20



SECTION B
SCALE 1:20

REFER TO SHEET 005 FOR GENERAL
AND PRECAST CONCRETE NOTES



 EirGrid plc The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland Telephone: +353 1 677 1700 Fax: +353 1 661 5375 Email: info@eirgrid.com Web: www.eirgrid.com	PROJECT STANDARD CABLE DRAWINGS	
	DRAWING TITLE TRANSITION CHAMBER SECTION DETAILS	
COPYRIGHT © EirGrid plc All rights reserved. No part of this work may be modified or reproduced or copied in any form or by any means - graphic, electronic or mechanical, including photocopying, recording, taping or information and retrieval system, or used for any purpose other than its designated purpose, without the written permission of EirGrid plc	No of Shts 5	SIZE A3
	DRAWING NUMBER XDC-CBL-STND-G-013	SCALE N/A
	SHEET 003	REV 00

00	FIRST ISSUE	OB	DG	NC	21/04/2023
REV	DESC	DRAWN	CHK'D	APP'D	DATE

1

2

3

4

DRAWING IS NOT TO SCALE - IF IN DOUBT, ASK

A

B

C

D

E

F

GENERAL NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT EIRGRID DRAWINGS & SPECIFICATIONS.
- ALL DIMENSIONS ARE IN mm.
- DO NOT SCALE DIMENSIONS.
- THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO CONSTRUCTION, ANY DISCREPANCIES TO BE NOTIFIED TO EIRGRID IN WRITING IMMEDIATELY.
- TEMPORARY SUPPORTS TO THE SIDES OF THE EXCAVATION MAY BE REQUIRED DEPENDENT ON SUBSOIL, METHOD OF WORK AND SITE CONSTRAINTS, AND ARE TO BE AGREED WITH EIRGRID PRIOR TO COMMENCEMENT OF EXCAVATION. SIDE SLOPES OF AN UNSUPPORTED EXCAVATION DEPENDENT UPON SUBSOIL AND SHALL BE AGREED WITH EIRGRID ENGINEER.
- MAIN CONTRACTOR TO PROVIDE A METHOD STATEMENT AND RISK ASSESSMENT FOR THE EXCAVATION WORKS FOR THE EIRGRID ENGINEER TO REVIEW.
- THE CONSTRUCTION, AS SHOWN, IS APPLICABLE ONLY WHERE THE SUBSOIL AT FORMATION LEVEL EXCEEDS 100 kN/m² BEARING CAPACITY.
- SUITABILITY OF THE COVER AND CHAMBER TO BE ASSESSED BY THE DESIGNER IN CIRCUMSTANCES OF HIGH TRAFFIC LOADING IN ACCORDANCE WITH THE RECOMMENDATIONS OF T.I.I. DESIGN MANUAL FOR ROADS AND BRIDGES ADDENDUM TO HA 104/09.
- COVER AND FRAME TO B.S. EN 124.
- COVER SHALL HAVE APPROVED BADGED MARKING INCORPORATED TO THE APPROVAL OF THE EIRGRID ENGINEER.
- ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH THE T.I.I. SPECIFICATION FOR ROADWORKS.
- THE CENTER LINE OF THE DUCTS ENTERING THE CHAMBER SHALL BE ALIGNED WITH THE DUCTS ON THE OPPOSITE SIDE, SO THAT THE CABLE IS PULLED IN A STRAIGHT LINE.
- DUCTS SHALL APPROACH THE CHAMBER IN STRAIGHT ALIGNMENT (HORIZONTAL & VERTICAL) FOR A MINIMUM OF 3 METERS BEFORE THE WALL OPENING.
- * THE DEPTH FROM GROUND LEVEL TO TOP OF CONCRETE WALL SHALL BE 500 mm IN CULTIVATED FIELDS & GRASSED LANDS.

PRECAST CONCRETE NOTES:

- ALL PRECAST CONCRETE ELEMENTS TO BE MANUFACTURED TO B.S. EN 13369:2013 "COMMON RULES FOR PRECAST CONCRETE PRODUCTS".
- LIFTING INSERTS TO BE DESIGNED & INSTALLED TO PD CEN/TR 15728:2008 "DESIGN AND USE OF INSERTS FOR LIFTING AND HANDLING OF PRECAST CONCRETE ELEMENTS".
- WEIGHT OF PRECAST CONCRETE UNIT (1.382 m³) = 3.31 T. SPECIFIED LIFTING INSERTS HAVE A S.W.L. OF 4 T. ACCOUNTING FOR DYNAMIC LOADING.
- LOCATION & SPECIFICATION OF LIFTING INSERTS ARE ASSUMED TO FACILITATE DEMOULDING AND HANDLING IN PRECAST MANUFACTURING FACTORY. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO NOTIFY THE EIRGRID ENGINEER IF THESE ARE UNSUITABLE FOR HIS MANUFACTURING METHODOLOGY. EIRGRID ENGINEER TO BE INFORMED OF ANY ALTERNATIVE LIFTING LOCATIONS FOR FACTORY HANDLING & DEMOULDING.
- CONCRETE TO HAVE A MINIMUM STRENGTH OF 30 N/mm² PRIOR TO HANDLING OR DEMOULDING.
- MAIN CONTRACTOR TO ENSURE THAT A METHOD STATEMENT AND RISK ASSESSMENT INCLUDING A LIFTING PLAN, ARE PRODUCED FOR INSTALLATION AND ARE AVAILABLE TO EIRGRID ENGINEER FOR REVIEW IF REQUESTED. LIFTING PLAN TO INCORPORATE REQUIREMENTS OF LIFTING INSERTS AND LIFTING LOOP EYES.
- A MINIMUM LIFTING SLING ANGLE OF 60° TO THE HORIZONTAL IS REQUIRED.
- A LIFTING SYSTEM WHICH ENSURES ALL LIFTING POINTS TAKE ON AN EQUAL LOAD IS REQUIRED.
- TRANSPORT THE CHAMBER BY TRAILER WHEN TRAVELING OVER ROUGH TERRAIN TO AVOID DAMAGE TO LIFTING ANCHORS.
- HALFEN DEHA SPHERICAL LIFTING ANCHORS TO BE USED AS SPECIFIED. ANY DEVIATION FROM THIS MUST BE NOTIFIED TO EIRGRID ENGINEER BY PRECAST MANUFACTURER.
- FORMWORK FOR PRECASTING TO BE OF A MINIMUM STANDARD OF VARNISHED WOODEN MOULD WITH PLANED BOARDS.
- CONCRETE TO BE GRADE C32/40, AS SPECIFIED IN TABLE 1.

TABLE 1 – CONCRETE SPECIFICATION TO I.S. EN 206–1		
ELEMENT	BLINDING & MASS CONCRETE, DRAINAGE PIPE & MANHOLE SURROUNDS	GROUND BEAMS, FOUNDATIONS & PITS/CHAMBERS
EXPOSURE CLASS	X0	XC4
MIN. BINDER (CEMENT+GGBS) CONTENT (kg/m ³)	220	320
GGBS TO EN 15167–1 (kg/m ³)	0	95
CEM II/A–L TO I.S. EN 197–1 (kg/m ³)	220	225
MAX. WATER/CEMENT RATIO	--	0.50
CHLORIDE CONTENT CLASS	Cl. 1.0	Cl. 0.40
MAX. AGGREGATE (mm)	10	20
MIN. COVER (CMin) (mm)	--	40
*COMPRESSIVE STRENGTH CLASS @ 28 DAYS	C16/20	C32/40
NOTES: 1. *C16/20 TO BE READ AS FOLLOWS: 16 = MIN. CYLINDER STRENGTH (N/mm ²) 20 = MIN. CUBE STRENGTH (N/mm ²) 2. DESIGN WORKING LIFE TO BE 50 YEARS MINIMUM		



EirGrid plc
The Oval, 160 Shelbourne Road,
Ballsbridge, Dublin 4, Ireland

Telephone: +353 1 677 1700
Fax: +353 1 661 5375
Email: info@eirgrid.com
Web: www.eirgrid.com

COPYRIGHT © EirGrid plc
All rights reserved. No part of this work may be modified or reproduced or copied in any form or by any means - graphic, electronic or mechanical, including photocopying, recording, taping or information and retrieval system, or used for any purpose other than its designated purpose, without the written permission of EirGrid plc

PROJECT
STANDARD CABLE DRAWINGS

DRAWING TITLE
TRANSITION CHAMBER NOTES

No of Shts	5	SIZE	A3	SCALE	N/A
DRAWING NUMBER	XDC-CBL-STND-G-013			SHEET	REV
				005	00

00	FIRST ISSUE	OB	DG	NC	21/04/2023
REV	DESC	DRAWN	CHK'D	APP'D	DATE