

1	2	3	4	5	6	7	8
A	<p>STANDARD 220kV CABLE DRAWINGS STANDARD CROSS SECTIONS 200mm DUCTS</p>						
B							
C							
D							
E							
F							

DRAWING No.	SHEET No.	DESCRIPTION	REVISION No.
XDC-CBL-STND-F-008	001	CROSS SECTIONS INDEX SHEET	00
XDC-CBL-STND-F-008	002	TRENCH CROSS SECTION 220kV TREFOIL FORMATION	00
XDC-CBL-STND-F-008	003	TRENCH CROSS SECTION 220kV FLAT FORMATION	00
XDC-CBL-STND-F-008	004	TRENCH CROSS SECTION 220kV FULL FLAT FORMATION	00
XDC-CBL-STND-F-008	005	TRENCH CROSS SECTION 220kV TREFOIL FORMATION WITH ECC DUCT	00
XDC-CBL-STND-F-008	006	TRENCH CROSS SECTION 220kV FLAT FORMATION WITH ECC DUCT	00
XDC-CBL-STND-F-008	007	TRENCH CROSS SECTION 220kV FULL FLAT FORMATION WITH ECC DUCT	00

PROJECT
STANDARD 220kV CABLE DRAWINGS

EirGrid plc
The Oval, 160 Shelbourne Road,
Ballsbridge, Dublin 4, Ireland
Telephone: +353 1 677 1700
Fax: +353 1 571 5500
Email: info@eirgrid.com
Web: www.eirgrid.com

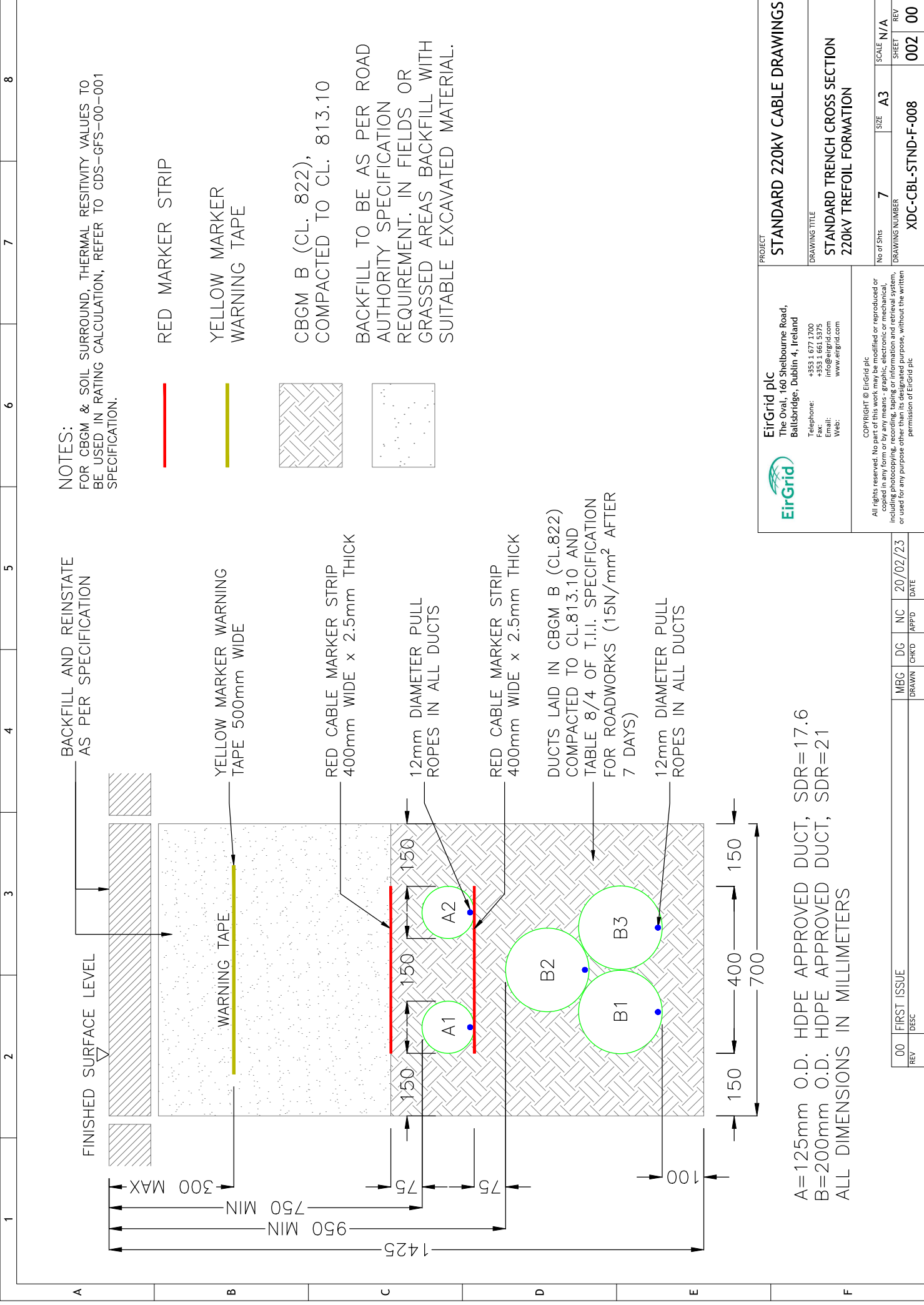
DRAWING TITLE
STANDARD CROSS SECTIONS
INDEX SHEET

SCALE N/A
SIZE A3
No of Sheets 7
DRAWING NUMBER XDC-CBL-STND-F-008

REV SHEET N/A
REV SHEET 001
REV SHEET 00

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				20/02/23



NOTES:
 FOR CBGM & SOIL SURROUND, THERMAL RESISTIVITY VALUES TO BE USED IN RATING CALCULATION, REFER TO CDS-GFS-00-001 SPECIFICATION.

RED MARKER STRIP

YELLOW MARKER WARNING TAPE

CBGM B (CL. 822), COMPACTED TO CL. 813.10

BACKFILL TO BE AS PER ROAD AUTHORITY SPECIFICATION REQUIREMENT. IN FIELDS OR GRASSED AREAS BACKFILL WITH SUITABLE EXCAVATED MATERIAL.

EirGrid plc
 The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland
 Telephone: +353 1 677 1700
 Fax: +353 1 571 5750
 Email: info@eirgrid.com
 Web: www.eirgrid.com

PROJECT
 STANDARD 220kV CABLE DRAWINGS

DRAWING TITLE
 STANDARD TRENCH CROSS SECTION
 220kV TREFOIL FORMATION

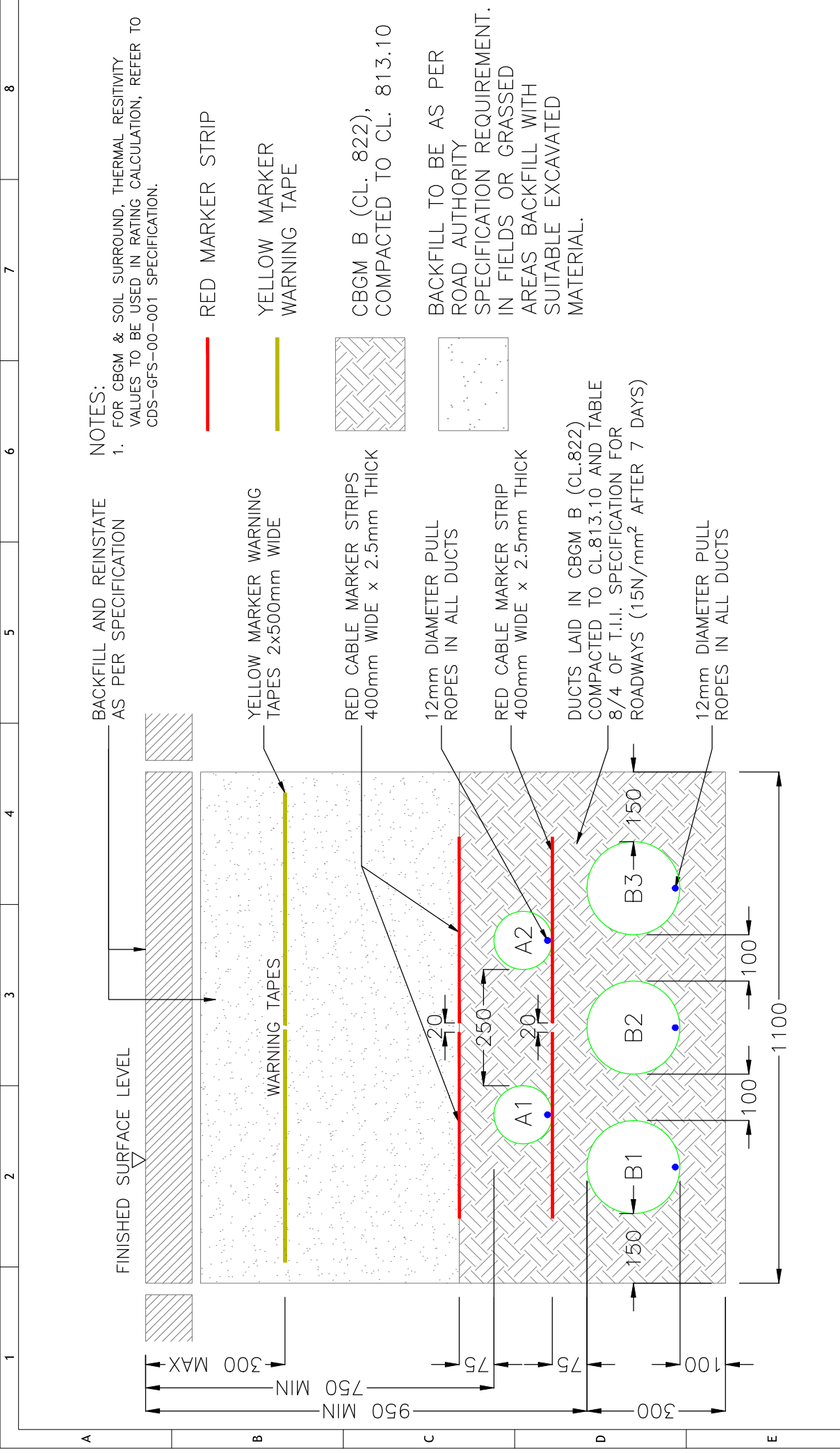
No of Sheets: 7
 DRAWING NUMBER: XDC-CBL-STND-F-008

SCALE: N/A
 SHEET REV: 002
 REV: 00

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A=125mm O.D. HDPE APPROVED DUCT, SDR=17.6
 B=200mm O.D. HDPE APPROVED DUCT, SDR=21
 ALL DIMENSIONS IN MILLIMETERS

REV	DESC	DATE	APPD	CHKD	NC	MBG DRAWN	DG	DC	NC	DATE
00	FIRST ISSUE	20/02/23								



NOTES:

1. FOR CBGM & SOIL SURROUND, THERMAL RESISTIVITY VALUES TO BE USED IN RATING CALCULATION, REFER TO CDS-GFS-00-001 SPECIFICATION.

RED MARKER STRIP

YELLOW MARKER WARNING TAPE

CBGM B (CL. 822), COMPACTED TO CL. 813.10

BACKFILL TO BE AS PER ROAD AUTHORITY SPECIFICATION REQUIREMENT. IN FIELDS OR GRASSED AREAS BACKFILL WITH SUITABLE EXCAVATED MATERIAL.

BACKFILL AND REINSTATE AS PER SPECIFICATION

YELLOW MARKER WARNING TAPES 2x500mm WIDE

RED CABLE MARKER STRIPS 400mm WIDE x 2.5mm THICK

12mm DIAMETER PULL ROPES IN ALL DUCTS

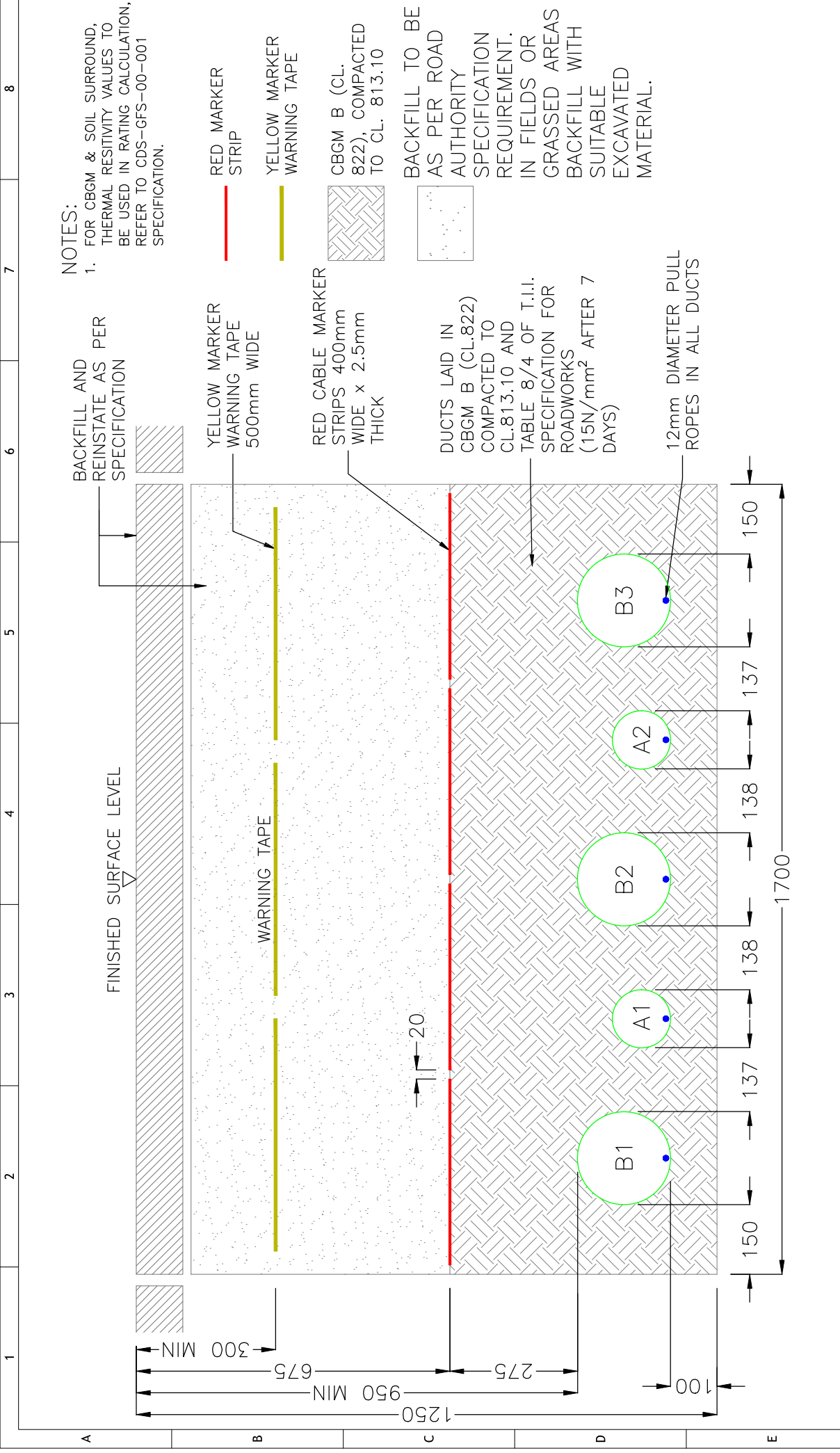
RED CABLE MARKER STRIP 400mm WIDE x 2.5mm THICK

DUCTS LAID IN CBGM B (CL.822) COMPACTED TO CL.813.10 AND TABLE 8/4 OF T.I.I. SPECIFICATION FOR ROADWAYS (15N/mm² AFTER 7 DAYS)

12mm DIAMETER PULL ROPES IN ALL DUCTS

A=125mm O.D. HDPE APPROVED DUCT, SDR=17.6
 B=200mm O.D. HDPE APPROVED DUCT, SDR=21
 ALL DIMENSIONS IN MILLIMETERS

<p>EirGrid plc The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland</p> <p>Telephone: +353 1 677 1700 Fax: +353 1 554 5555 Email: info@eirgrid.com Web: www.eirgrid.com</p>		<p>PROJECT STANDARD 220kV CABLE DRAWINGS</p>	
<p>DRAWING TITLE STANDARD TRENCH CROSS SECTION 220kV FLAT FORMATION</p>		<p>No of Sheets 7 SCALE N/A DRAWING NUMBER XDC-CBL-STND-F-008 SHEET REV 003 00</p>	
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MBG DRAWN	DC CHKD	NC APPD	20/02/23 DATE
00 REV	FIRST ISSUE DESC		



NOTES:

1. FOR CBGM & SOIL SURROUND, THERMAL RESISTIVITY VALUES TO BE USED IN RATING CALCULATION, REFER TO CDS-GFS-00-001 SPECIFICATION.

RED MARKER STRIP
YELLOW MARKER WARNING TAPE

RED CABLE MARKER STRIPS 400mm WIDE x 2.5mm THICK

DUCTS LAID IN CBGM B (CL:822) COMPACTED TO CL:813.10 AND TABLE 8/4 OF T.I.I. SPECIFICATION FOR ROADWORKS (15N/mm² AFTER 7 DAYS)

12mm DIAMETER PULL ROPES IN ALL DUCTS

BACKFILL TO BE AS PER ROAD AUTHORITY SPECIFICATION REQUIREMENT. IN FIELDS OR GRASSED AREAS BACKFILL WITH SUITABLE EXCAVATED MATERIAL.

PROJECT
STANDARD 220kV CABLE DRAWINGS

DRAWING TITLE
STANDARD TRENCH CROSS SECTION
220kV FULL FLAT FORMATION

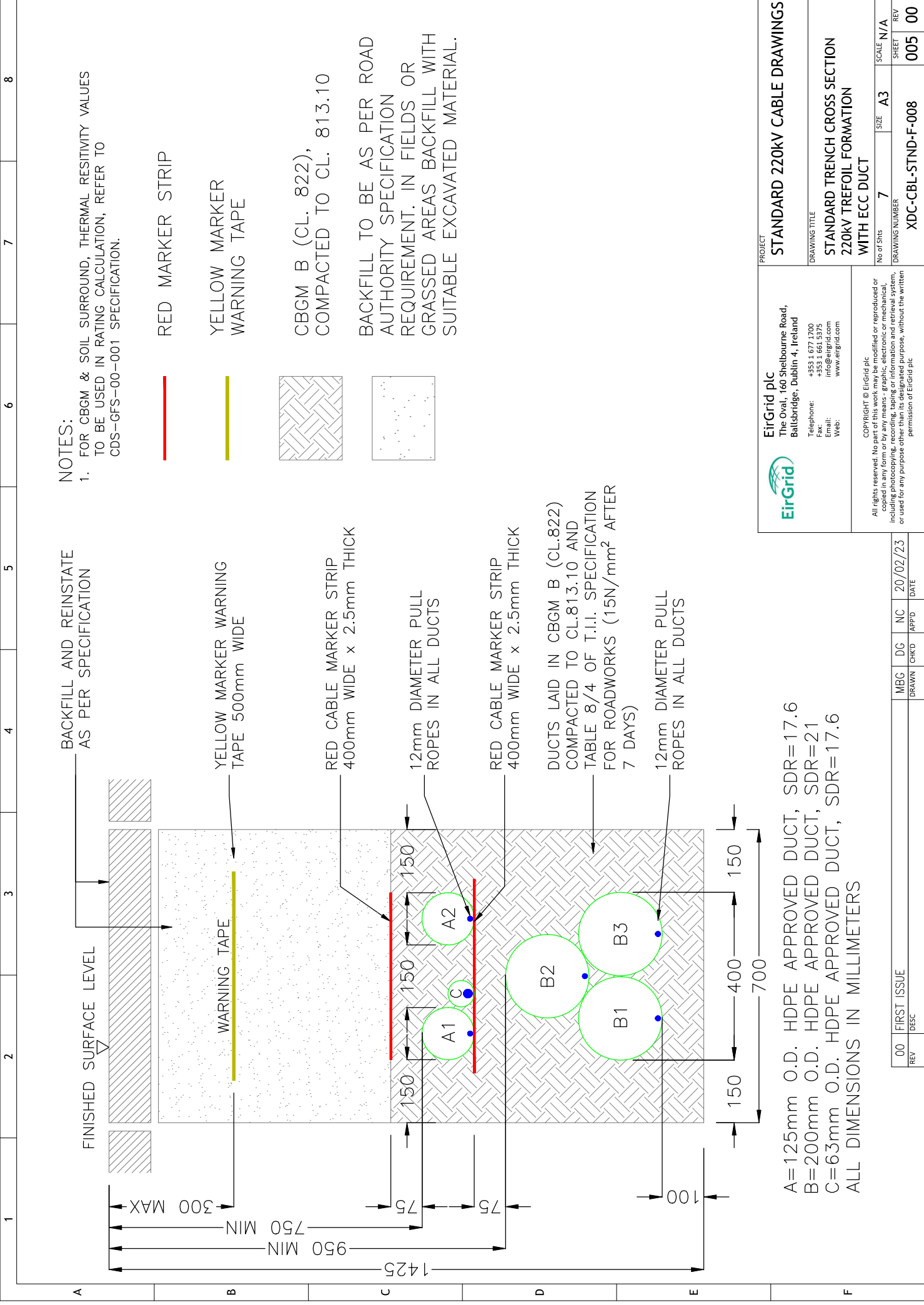
EirGrid plc
 The Oval, 160 Shelbourne Road,
 Ballsbridge, Dublin 4, Ireland
 Telephone: +353 1 677 1700
 Fax: +353 1 677 1510
 Email: info@eirgrid.com
 Web: www.eirgrid.com

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No of Sheets: **7** SCALE: **N/A**
 DRAWING NUMBER: **XDC-CBL-STND-F-008** SHEET: **004** REV: **00**

00	FIRST ISSUE	REV	DESC
MBG	DC	NC	DATE
DRAWN	CHKD	APPD	DATE
			20/02/23

A=125mm O.D. HDPE APPROVED DUCT, SDR=17.6
 B=200mm O.D. HDPE APPROVED DUCT, SDR=21
 ALL DIMENSIONS IN MILLIMETERS



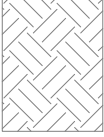
NOTES:

1. FOR CBGM & SOIL SURROUND, THERMAL RESISTIVITY VALUES TO BE USED IN RATING CALCULATION, REFER TO CDS-GFS-00-001 SPECIFICATION.

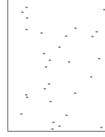
RED MARKER STRIP



YELLOW MARKER WARNING TAPE



CBGM B (CL. 822), COMPACTED TO CL. 813.10



BACKFILL TO BE AS PER ROAD AUTHORITY SPECIFICATION REQUIREMENT. IN FIELDS OR GRASSED AREAS BACKFILL WITH SUITABLE EXCAVATED MATERIAL.

BACKFILL AND REINSTATE AS PER SPECIFICATION

YELLOW MARKER WARNING TAPE 500mm WIDE

RED CABLE MARKER STRIP 400mm WIDE x 2.5mm THICK

12mm DIAMETER PULL ROPES IN ALL DUCTS

RED CABLE MARKER STRIP 400mm WIDE x 2.5mm THICK

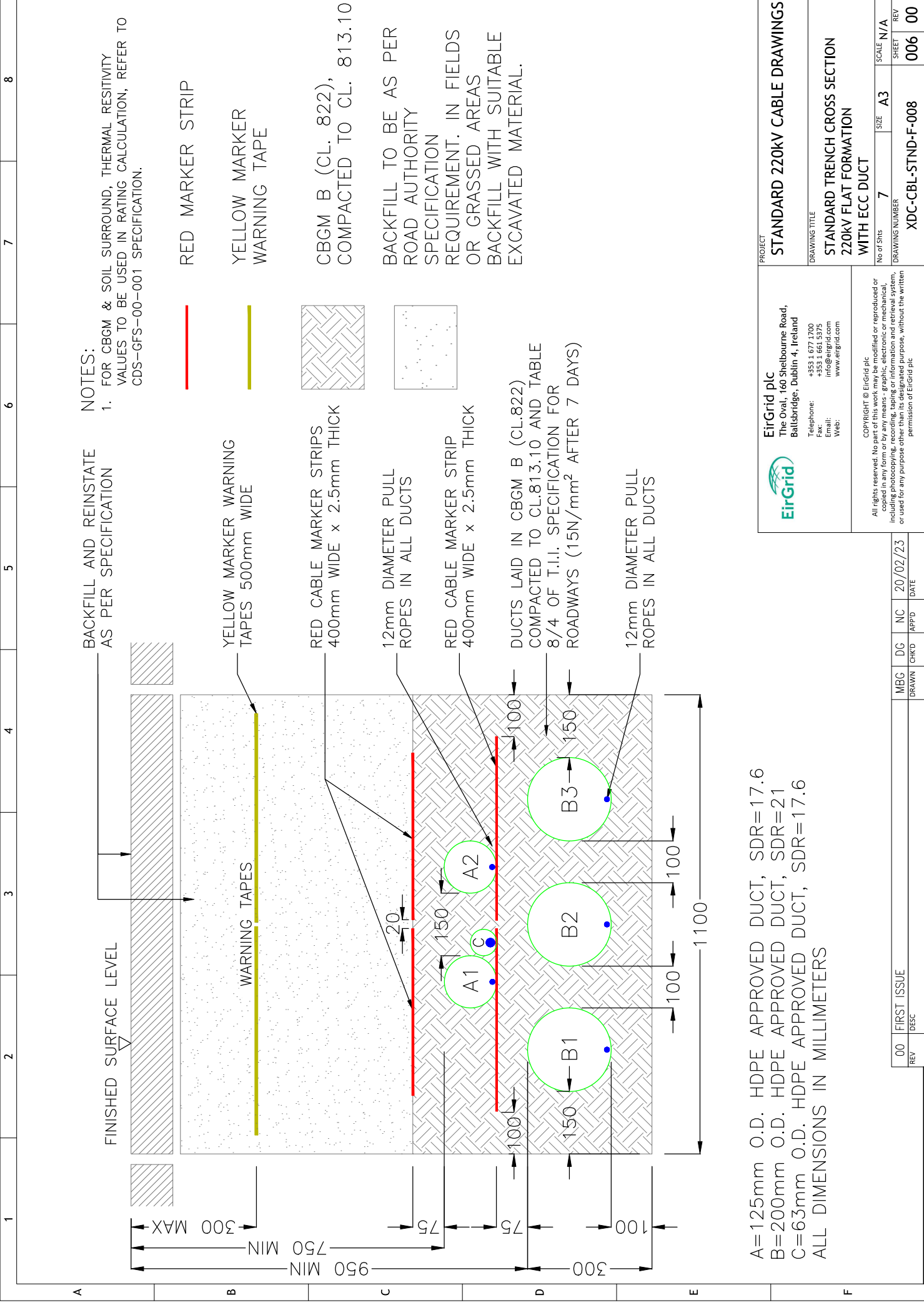
DUCTS LAID IN CBGM B (CL.822) COMPACTED TO CL.813.10 AND TABLE 8/4 OF T.I.I. SPECIFICATION FOR ROADWORKS (15N/mm² AFTER 7 DAYS)

12mm DIAMETER PULL ROPES IN ALL DUCTS

A=125mm O.D. HDPE APPROVED DUCT, SDR=17.6
 B=200mm O.D. HDPE APPROVED DUCT, SDR=21
 C=63mm O.D. HDPE APPROVED DUCT, SDR=17.6
 ALL DIMENSIONS IN MILLIMETERS

<p>EirGrid plc The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland Telephone: +353 1 677 1700 +353 1 677 1500 Email: info@eirgrid.com Web: www.eirgrid.com</p>		<p>PROJECT STANDARD 220kV CABLE DRAWINGS</p>	
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<p>No of Sheets 7</p>		<p>SCALE N/A</p>	
<p>DRAWING NUMBER XDC-CBL-STND-F-008</p>		<p>SHEET 005</p>	
<p>REV</p>		<p>REV</p>	

00	FIRST ISSUE	20/02/23	DATE
REV	DESC	APPD	DATE
MBG	DC	NC	DATE
DRAWN	CHKD	APPD	DATE



NOTES:

1. FOR CBGM & SOIL SURROUND, THERMAL RESISTIVITY VALUES TO BE USED IN RATING CALCULATION, REFER TO CDS-GFS-00-001 SPECIFICATION.

RED MARKER STRIP

YELLOW MARKER WARNING TAPE

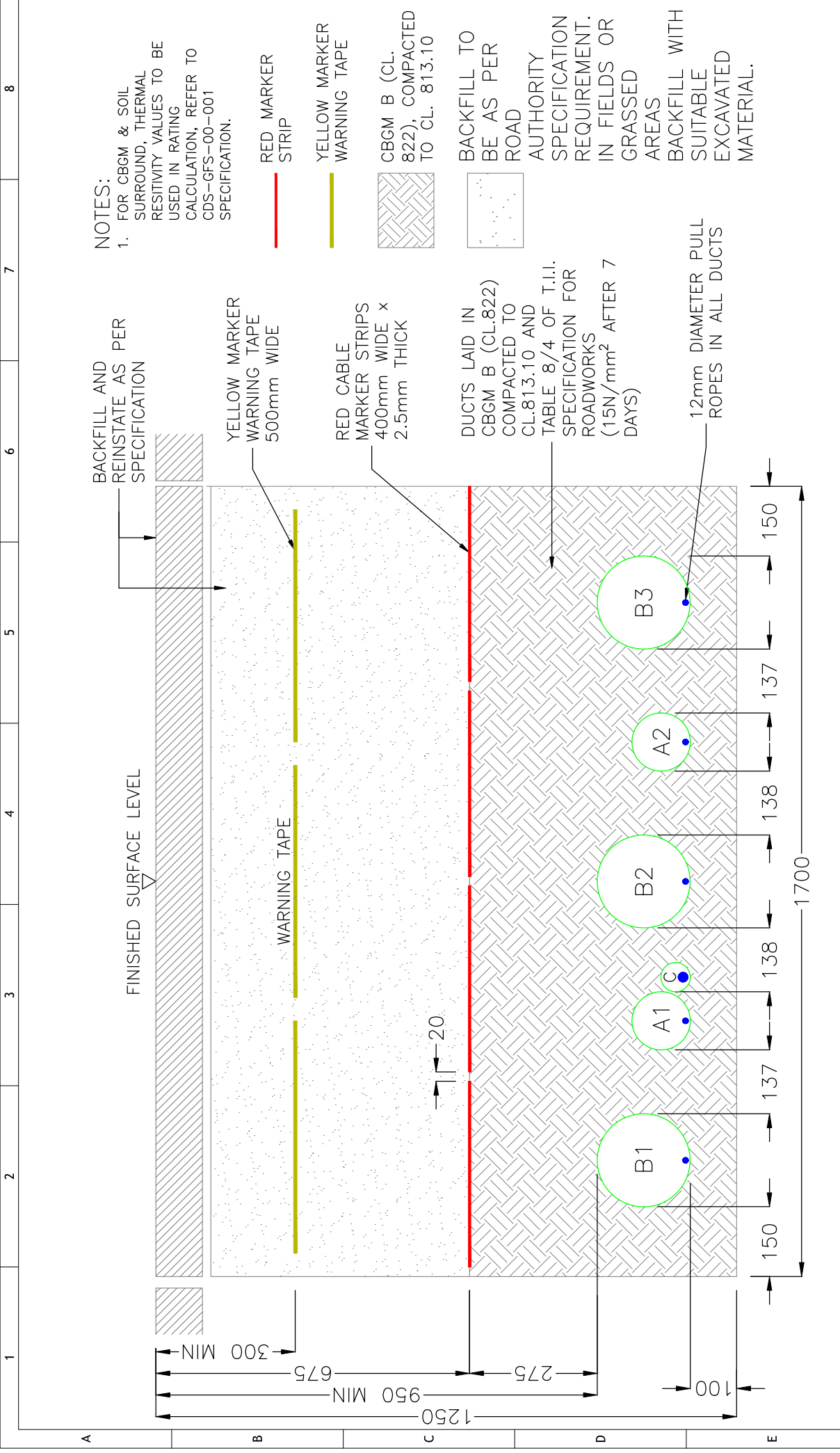
CBGM B (CL. 822), COMPACTED TO CL. 813.10

BACKFILL TO BE AS PER ROAD AUTHORITY SPECIFICATION REQUIREMENT. IN FIELDS OR GRASSED AREAS BACKFILL WITH SUITABLE EXCAVATED MATERIAL.

A=125mm O.D. HDPE APPROVED DUCT, SDR=17.6
 B=200mm O.D. HDPE APPROVED DUCT, SDR=21
 C=63mm O.D. HDPE APPROVED DUCT, SDR=17.6
 ALL DIMENSIONS IN MILLIMETERS

<p>EirGrid plc The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland Telephone: +353 1 677 1700 Fax: +353 1 571 5150 Email: info@eirgrid.com Web: www.eirgrid.com</p>	<p>PROJECT STANDARD 220kV CABLE DRAWINGS</p>	
	<p>DRAWING TITLE STANDARD TRENCH CROSS SECTION 220kV FLAT FORMATION WITH ECC DUCT</p>	
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<p>REV 00</p>	<p>SHEET 006</p>	<p>REV 00</p>

MBG	DC	NC	APPD	DATE
DRAWN	CHKD	APPD	DATE	20/02/23
00	FIRST ISSUE	REV	DESC	



NOTES:
 1. FOR CBGM & SOIL SURROUND, THERMAL RESISTIVITY VALUES TO BE USED IN RATING CALCULATION, REFER TO CDS-GFS-00-001 SPECIFICATION.

- RED MARKER STRIP
- YELLOW MARKER WARNING TAPE
- CBGM B (CL. 822); COMPACTED TO CL. 813.10
- BACKFILL TO BE AS PER ROAD AUTHORITY SPECIFICATION REQUIREMENT. IN FIELDS OR GRASSED AREAS BACKFILL WITH SUITABLE EXCAVATED MATERIAL.

PROJECT
STANDARD 220kV CABLE DRAWINGS

DRAWING TITLE
STANDARD TRENCH CROSS SECTION 220kV FULL FLAT FORMATION WITH ECC DUCT

EirGrid plc
 The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland
 Telephone: +353 1 677 1700
 Fax: +353 1 509 5150
 Email: info@eirgrid.com
 Web: www.eirgrid.com

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No of Sheets: 7
Size: A3
Scale: N/A

DRAWING NUMBER: XDC-CBL-STND-F-008
Sheet: 007
Rev: 00

REV	DESC	DATE	DRAWN	CHKD	APPD	NC	DATE
00	FIRST ISSUE	20/02/23	MBG	DCG	NC	APPD	20/02/23

A=125mm O.D. HDPE APPROVED DUCT, SDR=17.6
 B=200mm O.D. HDPE APPROVED DUCT, SDR=21
 C=63mm O.D. HDPE APPROVED DUCT, SDR=17.6
 ALL DIMENSIONS IN MILLIMETERS

DRAWING IS NOT TO SCALE - IF IN DOUBT, ASK