

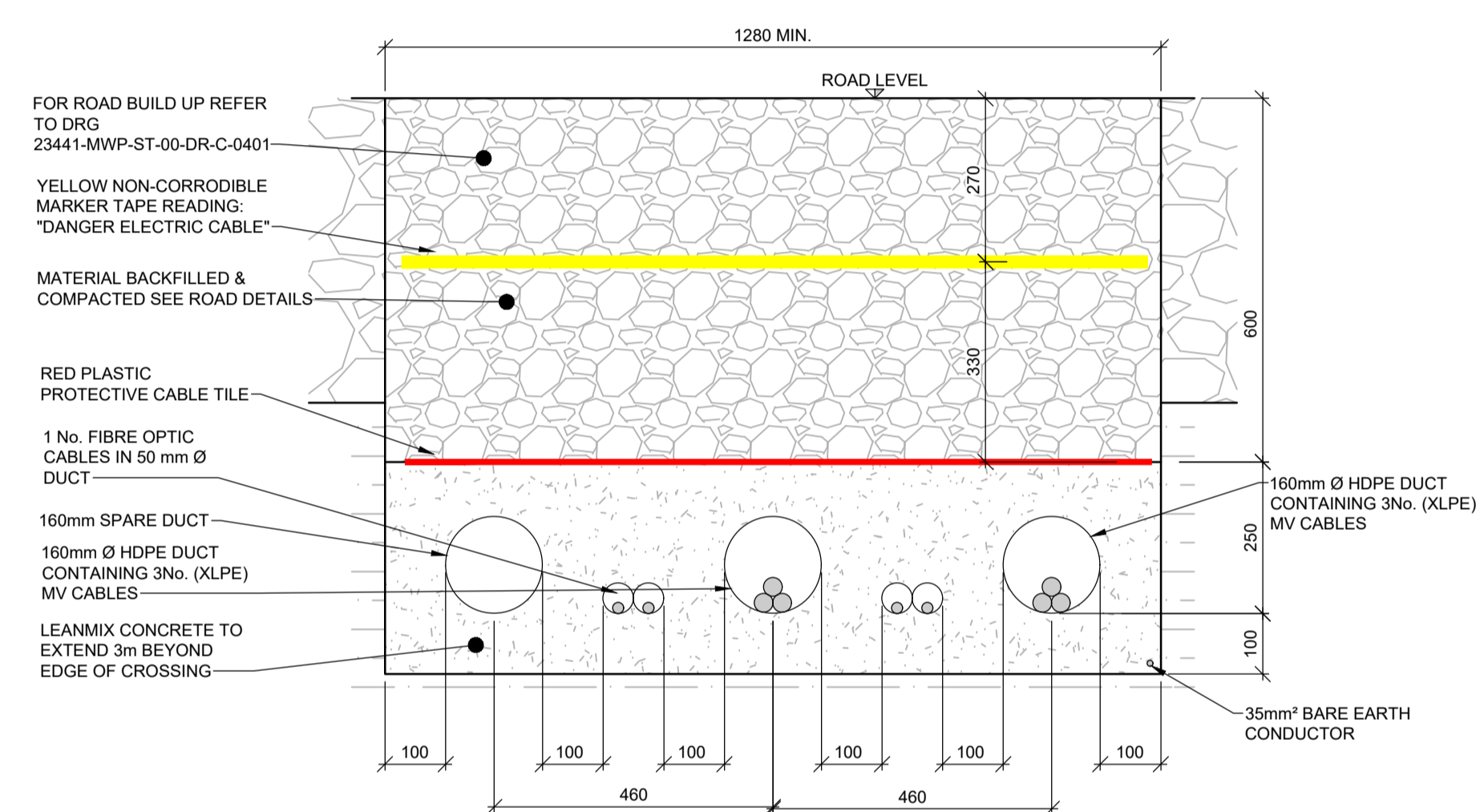
DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY.
THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION.
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NOTES:

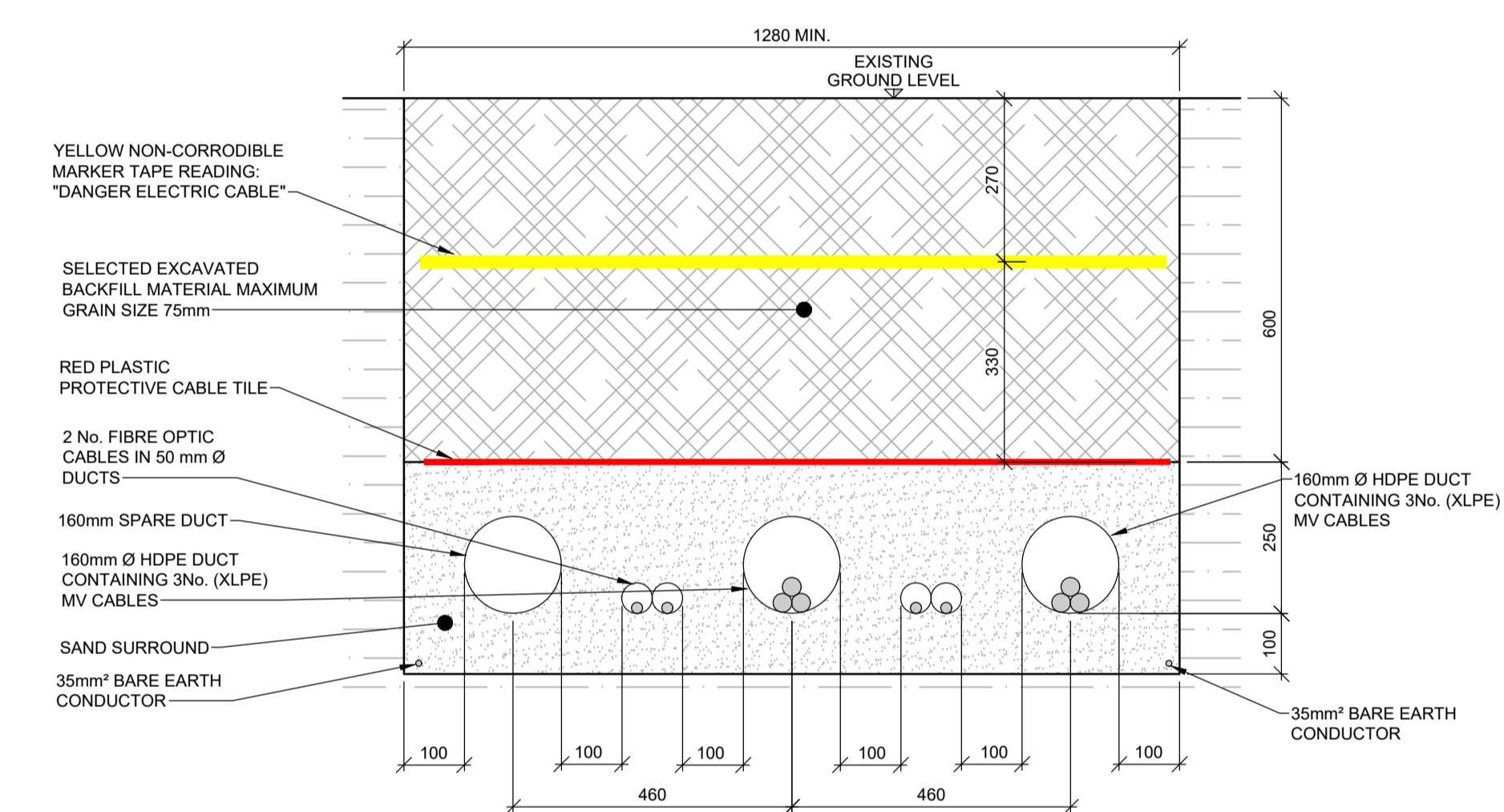
1. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS.
2. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM MALIN HEAD OSGM15.
3. ALL CO-ORDINATES ARE TO IRISH TRANSVERSE MERCATOR (ITM) AND IN METERS.
4. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
5. DRAWINGS ARE NOT TO BE SCALED.
6. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.

TRENCH NOTES:

1. ALL DUCTING TO BE RED ESB SPEC.
2. DUCTING TO BE 160mm/200mm HDPE AND 50mm HDPE COIL.
3. DUCTING SURROUND TO BE SAND/PEA GRAVEL OR SUITABLE QUARRY DUST. WHERE DUCTS CROSS ROADS, HARDSTANDS ETC, BACK FILL TO CONSIST OF A CBM GRADE LEAN MIX SURROUND.
4. TRENCHES TO BE BACKFILLED ON TOP OF STONE FREE MATERIAL WITH A SUITABLE BACKFILL MATERIAL. DUE CARE TO BE TAKEN TO ENSURE THAT ALL BACKFILLED IS FREE FROM STONES, TREE ROOTS OR OTHER DEBRIS THAT COULD DAMAGE INSTALLATION.
5. MANHOLE, DRAW ROPE (MINIMUM 12mm Ø), 160mm & 200mm POWER CABLES TO BE PULLED THROUGH INSTALLED DUCT BY CIVIL CONTRACTOR. DUCT TO BE CERTIFIED AS INTACT, CLEANED AND CAPPED AT BOTH ENDS PRIOR TO ANY CABLE PULLING ACTIVITY.
6. MINIMUM DISTANCE BETWEEN ANY POWER CIRCUITS WITHIN A TRENCH AS SHOWN.
7. STRAIGHT DUCTS TO BE USED WHERE POSSIBLE.
8. WHERE MANUFACTURED BENDS ARE REQUIRED, SLOW BENDS ARE TO BE USED (15° OR LESS OVER 1200mm).
9. JOINT BAYS LOCATION TO BE ADVISED BY EBOF CONTRACTOR.
10. DISTANCES BETWEEN PULLING PITS TO BE CONFIRMED BY THE CABLE INSTALLATION TEAM.
11. EXACT LOCATION OF DUCTS TO BE DECIDED BY CIVIL CONTRACTOR.
12. CABLE MARKERS SHALL BE ERECTED @10m c/c. AT ALL ROAD CROSSINGS, CHANGES IN DIRECTION, LAND OWNER BOUNDARY & WATER CROSSINGS. FOR CROSS COUNTRY SECTIONS CABLE MARKERS WILL BE PLACED ON BOTH SIDES OF THE TRENCH.
13. BACKFILL MATERIAL AND DUCTING SURROUND MATERIAL THERMAL RESISTIVITY PROPERTIES TO BE CONFIRMED BY ELECTRICAL DESIGNERS. CERTIFICATES TO BE PROVIDED BY CIVIL CONTRACTOR.
14. WHERE THE CABLE DUCT IS TO RUN UP EXPOSED UPFILL, IT SHOULD BE CUT INTO THE UPFILL, LAID & SURROUNDED IN CONCRETE.



CABLE TRENCH DETAIL 1 - IN GROUND BEARING ROADWAY - DOUBLE 160mm DUCT - 1No.FO - 1No. EARTH
SCALE: 1:10



CABLE TRENCH DETAIL 2 - IN OPEN GROUND - DOUBLE 160mm DUCT - 2No.FO - 2No. EARTH
SCALE: 1:10

P05	03/10/24	ISSUED FOR APPROVAL	AK	PC
P04	28/05/24	ISSUED FOR APPROVAL	AK	PC
P03	01/05/24	ISSUED FOR PLANNING	AK	PC
P02	16/02/24	ISSUED FOR PLANNING	OR	PC
P01	09/02/24	ISSUED FOR PLANNING	AK	PC
REV	DATE	DESCRIPTION	BY	APP

PROJECT:
DERNACART WIND FARM 110KV SUBSTATION AND GRID CONNECTION

TITLE:
CABLE TRENCH DETAILS

CLIENT:
STATKRAFT IRELAND



DRAWN:	CHECKED:	APPROVED:
A.K.	G.McN.	P.C.
PROJECT NUMBER:	DATE:	SCALE @ A1:
23268	FEB. '24	1:10
STATUS DESCRIPTION:	STATUS:	
FOR APPROVAL	S4	

DRAWING NUMBER:	REV:
23268 - MWP - 00 - 00 - DR - C - 5414	P05