



CULVERT CROSSING DETAIL

SCALE: 1:20

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.

REFERENCE DRAWINGS:

DRAWING No.	DRAWING TITLE

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 BACKFILL IS FREE FROM STONES, TREE ROOTS OR OTHER DEBRIS THAT COULD DAMAGE INSTALLATION.
5. MANDREL, 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 E&OP 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 ERRECTED @100m 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.

P01	06/03/25	ISSUED FOR PLANNING	OR	PC
REV	DATE	DESCRIPTION	BY	APP

PROJECT:

BALLINLA WIND FARM

TITLE:

INTERNAL COLLECTOR CIRCUIT
CULVERT CROSSING DETAIL

CLIENT:

BALLINLA WIND FARM LIMITED



DRAWN:	CHECKED:	APPROVED:
O.R.	S.H.	P.C.
PROJECT NUMBER:	DATE:	SCALE @ A1:
23882	MAR'25	1:20
STATUS DESCRIPTION		STATUS:
FOR APPROVAL		S4
DRAWING NUMBER:		REV:
23882 - MWP - 00 - 00 - DR-C - 5408		P01