

G H I	J K L	<u>M</u> N
GENERAL NOT	S: -	
	UCTS TO BE UTILISED DURING CONSTRUCTION TO COMPLY WITH EIRGRID FUNCTIONAL SPE WORKS AND ALL RELEVANT IRISH (EUROPEAN) AND BRITISH STANDARDS.	CIFICATION, TII SPECIFICATION
B. 300mm M (e.g. GAS	NIMUM VERTICAL AND HORIZONTAL CLEARANCES TO BE OBSERVED BETWEEN CABLE DUCT PIPES (600mm MIN CLEARANCE), WATER MAINS, CULVERTS etc.) IN THE CASE OF HIGH RISK 3	RD PARTY SERVICES, GREATER
C. STEEL PI	CES MAY BE REQUIRED. DESIGNER TO CONSULT 3RD PARTY SERVICE OWNERS FOR GUIDAN ATES MUST COVER DUCTS. NO OVERLAP IS REQUIRED HOWEVER STANDARD DIMENSIONS M	AY RESULT IN AN OVERLAP.
D. THE MIN	OF 10mm TO BE MAINTAINED BETWEEN STEEL PLATES TO PREVENT THE TRANSFER OF STR/ 1UM CLEARANCE BETWEEN ALL HV AND COMMUNICATION DUCTS IS 100mm, BUT INCREASED) ACHIEVE THE CABLE RATING (TO BE CONFIRMED BY ELECTRICAL DESIGNER CABLE RATING	SPACING MAY BE REQUIRED IN
E. DRAWING F. TEMPLA	IS INDICATIVE ONLY, TO BE USED TO AID IN THE DESIGN OF RELEVANT INFRASTRUCTURE. ES ARE TO BE USED AT 5m INTERVALS DURING DUCT INSTALLATION IN CBGM. PRE-MADE 100	
G. MINIMUM	DURING DUCT INSTALLATION IN WET CONCRETE. SPACING BETWEEN POWER DUCTS TO BE CONFIRMED WITH RATING CALCULATION. CLEARANCE BETWEEN CABLE TRENCH CONCRETE AND RIVER BED TO BE AGREED WITH REI	
RIVERBED USING SELECTED I. STANDAI	D MARKER POSTS TO BE INSTALLED AT EITHER SIDE OF RIVER CROSSING. RANCE TO BE PROVIDED FROM WATERCOURSE BED TO CROWN OF DUCT. ALL CROSSINGS	
RELEVANT STATUTORY AUTHORITY OTHER F AND AS PER EIAR.	ELEVANT LOCAL AUTHORITIES IN ADVANCE OF THE WORKS AND IN ACCORDANCE WITH EIAR	
	nm O.D. HDPE DUCT FOR COMMUNICATIONS, SDR=17.6 nm O.D. HDPE DUCT FOR HV CABLE, SDR=21	
CONCRETE COMPACTED WITH NO VOIDS E= 125	nm O.D. HDPE DUCT FOR EARTH CONTINUITY CONDUCTOR, SDR=17.6	
A393 STEEL REINFORCEMENT MESH FOR WIDTH OF TRENCH		
	CABLE DUCING NOTES: ELECTRICAL CABLE DUCT 220KV HV DUCTING AND JOINTS(OR SIN	IILAR AND APPROVED)
RED CABLE MARKER STRIPS LINKED TO	MAIN CABLE DUCT (250MM OD) - SHALL BE 250MM OD - SDR21 HDF ELECTRIC CABLE DUCT SMOOTH	
6mm x 200mm WIDE GALVANIZED STEEL PLATES & MESH, TO EXTEND 2m EITHER SIDE OF RIVERBED AS PER LONGITUDIAL	WALL DUCT IS MANUFACTURED FROM POLYETHYLENE (PE) IN ACC EN50086-2-4 (BS EN 61386-24:2010) AND	CORDANCE WITH BS
	CONFORM TO ESB CONFORM SPEC 16113 AND EIRGRID SPEC FOR	R POWER DUCTING.
	JOINTS - THE MAIN CABLE DUCT TO BE JOINED USING COMPATIBLE FITTINGS/PUSH-FIT COUPLERS.	AND APPROVED MECHANICAL
	DOUBLE RING-AIRTIGHT SEAL COUPLERS CONNECTION TO EN 140 ⁷ DIMENSIONS -O.D. MIN-MAX 250.0-251.0MM,MIN. WALL THICKNESS II	
6 No. HDPE DUCTS WITH 12mm DIAMETER PULL ROPES, DUCTS LAID IN	OVALITY MAX 3.0MM LENGTHS12M OR 6M, 9M, 13.5M AS PER ORDER.	
_ C25/30 CONCRETE. COMMS DUCT LOCATED EITHER SIDE OF POWER	MARKING -PRINTLINE SHALL READ E.G. "DANGER ELECTRICITY CA 200J - DANGER ELECTRICITY	BLES - RADIUS 200MM SDR21 -
DUCTS WITH MINIMUM 100mm SEPARATION. REFER TO NOTE F	CABLES - ESB SPEC 16113 REV8 - BATCH NUMBER - LINE NUMBER"	
	TELECOMMUNICATION AND EARTH BOND DUCTING AND JOINTS. (OR SIMILAR AND APPROVED)
	MAIN CABLE DUCT (125MM OD) -125MM OD HDPE SMOOTH INNER V BBA APPROVED,	VALL DUCT TO BSI KITEMARK,
	ENA TS 12-24 CERTIFICATION/BS EN 61386-24	
KEY	JOINTS- DUCTING TO BE JOINED USING COMPATIBLE AND APPROV FITTINGS/PUSH-FIT AIRTIGHT	
	-SEAL COUPLERS COUPLERS AS PER MANUFACTURES DATA. LENGTHS STANDARD PIPE OR COIL LENGTH	
YELLOW MARKER WARNING TAPE A393 STEEL REINFORCEMENT MESH	MARKING -DUCT MARKING FOR EARTH BOND AND TELECOMMUNIC	ATIONS ELECTRICITY IS
6mm GALVANISED STEEL PLATE	PRINTED "ELECTRIC CABLE". ENATS C2 IS PRINTED IN ACCORDANCE TO ENA	
RAPID HARDENING WET CONCRETE C25/30	ELECTRICAL INSTALLATION AND TESTING	
BACKFILL COMPACTED (CL. 804 OR ACCEPTABLE	ALL ELECTRICAL WORKS INCLUDING EARTH BONDING SHALL BE A	S PER ELECTRICAL ENGINEER
	DESIGN	
REINSTATED RIVERBED	POSTS	
CBGM B (CL. 822). COMPACTED TO CL 813.10		
GRADE OF SIDE SLOPES VARIES.	REINSTATEMENT OF EXISTING ACCEPTABLE SUB SOIL TO TOP OF EXISTING BANK	PL1 22.03.21 SB SO'S MW Rev Date By Chkd Appd
BANKS SHOULD BE PROTECTED AND REINSTATED USING		
APPROPRIATE MATERIAL AND TOPSOIL TO MATCH EXISTING AS PER EIAR AND APPROVED BY		ARUP
AUTHORITIES .		One Albert Quay
		Cork, Ireland Tel +353 (0)21 422 3200 www.arup.com
RIVER (VARIES)	(CL. 80	ILL AND COMPACTED 4 OR ACCEPTABLE VAL AS DEP TH
	SPECI THOD OF CONSTRUCTION TO BE	RIAL) AS PER TII FICATION FOR ROADWORKS Sure Partners Limited Design Consultant
	SREED FOR ALL WATER CROSSINGS 🥖	d 3X125mm O.D.
		DIA. PULL ROPE Project Title Arklow Bank Wind Park
	AGREED FOR ALL WATER CROSSINGS IN ADVANCE OF ANY WORKS AND AGREED	Phase 2 Onshore Grid Infrastructure
RIVER BED VARIABLE DEPTH	WITH RELEVANT STATUTORY AUTHORITIES.	
275MM RC COVER FROM		Drawing Title Typical Riverbed Crossing Details
	<u> </u>	Scale at A1 Plan NTS, Sections 1:25 Role Civil
Δ 4 _{Δ_A} Δ 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		ARTH CONTINUITY
	DUCT SHOWN NOT STEEPER THAN1:6 GRADIENT	Arup Job No Rev 271715-00 PL1
RAPID HARDENING CONCRETE GRADE C25/30	CBGM B	Name ONS-GEN-004
A		
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