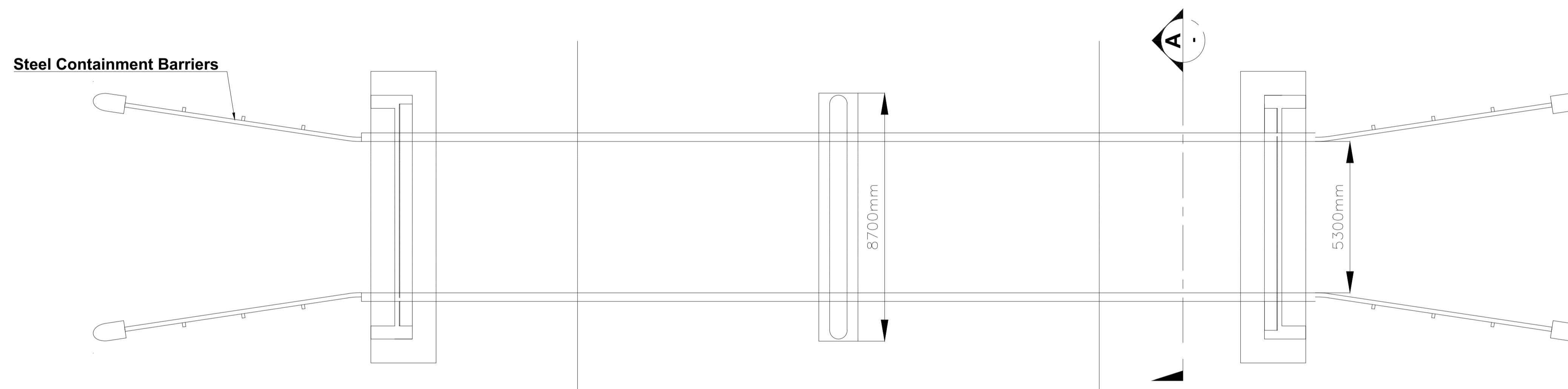
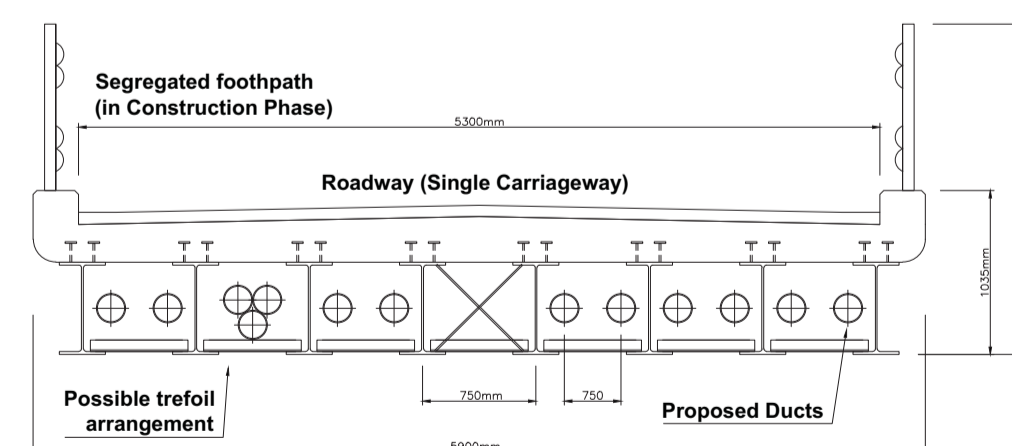


PROPOSED REPLACEMENT BRIDGE DECK OVER OWENINNY RIVER (ELEVATION A-A)
SCALE 1:100



Dimensions shown are indicative only

PROPOSED REPLACEMENT BRIDGE DECK OVER OWENINNY RIVER (PLAN)
SCALE 1:100



PROPOSED REPLACEMENT BRIDGE DECK OVER OWENINNY RIVER (SECTION A-A)
SCALE 1:50

NOTES:

- Prior to commencement of any works in or near the river a construction method will be agreed with inland fisheries to ensure no contamination can occur
- It is proposed that a replacement bridge structure shall be constructed utilising the existing abutments and piers.
- It is proposed that the replacement bridge structure shall comprise a composite reinforced concrete/steel deck with a vehicle carriageway approximately 5.3m wide, suitable for two way traffic of light vehicles or HGV traffic with pedestrian access. It shall be fitted with vehicle containment parapets and reinforced concrete approach ramps with vehicle containment barriers.
- It is proposed that ducts shall be hung beneath the bridge deck to carry electrical cables for the proposed windfarm development. These ducts shall be positioned between the supporting steel beams of the composite deck both to protect the services and to reduce visual impact.
- It is proposed that works in advance of bridge construction shall include exploratory boreholes at the abutments and within the river at the bridge pier. Works to construct the bridge shall include removal of the existing bridge beams and timber deck, remediation of the existing pier and abutments, strengthening of the existing abutments, remodelling of the upper parts of the pier and abutments to affix suitable bearings and the construction of the bridge deck, approach ramps and ancillary protective works and all associated temporary works. Works may include strengthening of the existing pier foundation and/or works to protect the existing pier from river scour.
- Structure designed to EN1991-2 for loadings and BS5950 for design calculations.

0	01.03.13	ISSUED FOR PLANNING	PM	MB	MB
REV.	DATE	REVISION DESCRIPTION	DRN	VER	APP

PURPOSE OF ISSUE - PRELIMINARY UNLESS INDICATED

TENDER CLIENT APPROVAL CONSTRUCTION AS-BUILT REVISED

Client
OWENINNY POWER LTD.

Project
WIND FARM PROJECT AT OWENINNY, BELLACORICK, CO. MAYO

Contract

Drawing Title
PROPOSED REPLACEMENT BRIDGE DECK OVER OWENINNY RIVER

Production Unit **CIVIL, BUILDING & ENVIRONMENTAL GROUP**

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DRAWN	VERIFIED	APPROVED	APPRO DATE
PM	MB	MB	01.03.2013
CLIENT REF	No. of SHS	SIZE	REV
	1	A1	0
SCALE			SCALE
1:100 @ A1			

DRAWING NUMBER
QR320201-P-000-065