



BUND TO BE FITTED WITH 'EXTOL SCS001' OR SIMILAR APPROVED OIL SENSITIVE BUND DEWATERING SYSTEM. 1 L/S LOW SHEAR VORTEX PUMP WITH OIL SEPARATION DETECTION AND 'EXTOL SCS002' OR SIMILAR APPROVED INTEGRATED CLASS 1 FULL RETENTION OIL SEPARATOR WITH INDEPENDENT CERTIFICATION OF COMPLIANCE WITH IS EN 858. BUND TO HAVE CAPACITY FOR 110% OF THE FULL VOLUME OF OIL OF THE BUNDED EQUIPMENT

V-DRAIN - TO PREVENT OVERLAND FLOW INTO COMPOUND TO TIE-IN TO PERIMETER DRAINAGE DITCH

NISA 220KV ONSHORE COMPENSATION SUBSTATION COMPOUND

C02
 FILTER DRAIN
 FILTER DRAIN ALONG ACCESS TRACK, TO INCLUDE ROOT BARRIER ON PLANTED (NORTHERN) SIDE. DRAINAGE FEATURES AS PER ENGINEERS DRAWINGS. (96m²)

ROAD LEVEL 31.85m AOD
 ROAD TRANSITIONS FROM LONGITUDINALLY LEVEL TO A FALL TOWARDS THE R132

ROAD LEVEL = 31.85m AOD

PRE-CAST CONCRETE FOUL HOLDING TANK WITH HIGH LEVEL ALARM
 VOLUME = 1.5m³

ACCESS ROAD TO GRID FACILITY
 LEVEL LONGITUDINALLY WITH CROSSFALL TO SWALE

ONSHORE EXPORT CABLE ROUTE

ONSHORE CABLE ROUTE (PREFERRED)

CABLE ROUTE BETWEEN GIS SUBSTATION BUILDINGS

BREMORE 220KV ESB CABLE CONNECTION SUBSTATION

COMPOUND
 FGL=31.80m AOD

COMPOUND
 FGL=31.80m AOD

COMPOUND
 FGL=31.80 m AOD

COMPOUND
 FGL=32.00m AOD

ATTENUATION BASIN

ROAD LEVEL = 31.85m AOD

OUTFALL AT 29.48m TO EXISTING DRAINAGE DITCH 29.20m AOD
 SEDIMENT WITHIN EXISTING DITCH TO BE CLEARED

ATTENUATION BASIN OUTLET 29.78m AOD

ATTENUATION BASIN INLET 29.78m AOD

C02
 CONCRETE POST AND RAIL FENCE

PROTECTIVE PALISADE FENCE SURROUND TO ATTENUATION BASIN

1.5m WIDE ACCESS TRACK AROUND THE ATTENUATION BASIN

CENTRAL GRAVEL BED DEPRESSION TO IMPROVE FLOW ACROSS THE ATTENUATION BASIN

ATTENUATION BASIN INLET 29.955m AOD

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- NOTES:**
- REFER TO DRAWING SERIES 28124000_ARP_SO_XX_DR_PL_1100 TO 28124000_ARP_SO_XX_DR_PL_1164 FOR ONSHORE CABLE ROUTE DRAWINGS.
 - REFER TO DRAWING 281240-ARP-ONS-GF-DR-PL-1001 & 281240-ARP-ONS-GF-DR-PL-1002 FOR GENERAL LAYOUT PLAN.
 - REFER TO DRAWING 281240-ARP-ONS-GF-DR-CT-3000 FOR TYPICAL DRAINAGE DETAILS.
 - REFER TO DRAWING 281240-ARP-ONS-GF-DR-CT-3001 FOR FENCE AND GATE DETAILS.
 - AN 8m HIGH ENVIRONMENTAL ENCLOSURE HAS BEEN UPDATED TO BE FULLY ENCLOSED ON 3 SIDES AND INCLUDE ACOUSTIC MATERIAL TO REDUCE NOISE IMPACTS FROM THE HARMONIC FILTERS ON FUTURE RESIDENTS OF THE FLEMINGTON LOCAL AREA PLAN (LAP) IN RESPONSE TO RFI SECTION 13(E).

C02
 THIS DRAWING HAS BEEN UPDATED TO INCLUDE ACOUSTIC ENCLOSURES (NOTE 5) AND REFLECT THE REVISED LANDSCAPE MANAGEMENT PLAN WHICH HAS BEEN PREPARED IN RESPONSE TO RFI SECTION 13 (E). AS PART OF THIS PLAN, THE DRAINAGE SYSTEM REQUIRED AN UPDATE FROM STORMWATER SWALES TO FILTER DRAINS AND THE SITE PERIMETER FENCE HAS BEEN CHANGED FROM A PALISADE FENCE TO A CONCRETE POST AND RAIL FENCE.



LEGEND:

	PROPOSED DEVELOPMENT BOUNDARY		BYPASS OIL SEPARATOR - PREMIER TECH AQUA OR SIMILAR APPROVED
	PROPOSED GRID FACILITY BOUNDARY		PROPOSED STORMWATER MANHOLE
	PROPOSED 25mmØ WATERMAIN		PROPOSED STORMWATER INSPECTION CHAMBER
	PROPOSED FILTER TRENCH W/ PERFORATED PIPE		PROPOSED FOUL SEWER MANHOLE
	PROPOSED FOUL SEWER		WATER METER
	PROPOSED STORMWATER CARRIER DRAIN		SLUICE VALVE
	PROPOSED ROADSIDE SWALE		AIR VALVE
	PROPOSED V-DRAIN		

Rev	Date	By	Chkd	Appd
C02	10.02.26	EG	MO	COD
C01	23.04.24	EG	MO	COD



Client
 North Irish Sea Array Windfarm Ltd.
NISA
 North Irish Sea Array

Project Title
 North Irish Sea Array
 Offshore Windfarm

Drawing Title
 Grid Facility
 Proposed Drainage Layout
 Sheet 1 of 2

Scale at A1 1:500

Role	Civil
Suitability	A2 - APPROVED FOR PLANNING
Arup Job No	281240
Rev	C02
Name	
281240-ARP-ONS-GF-DR-CD-1200	