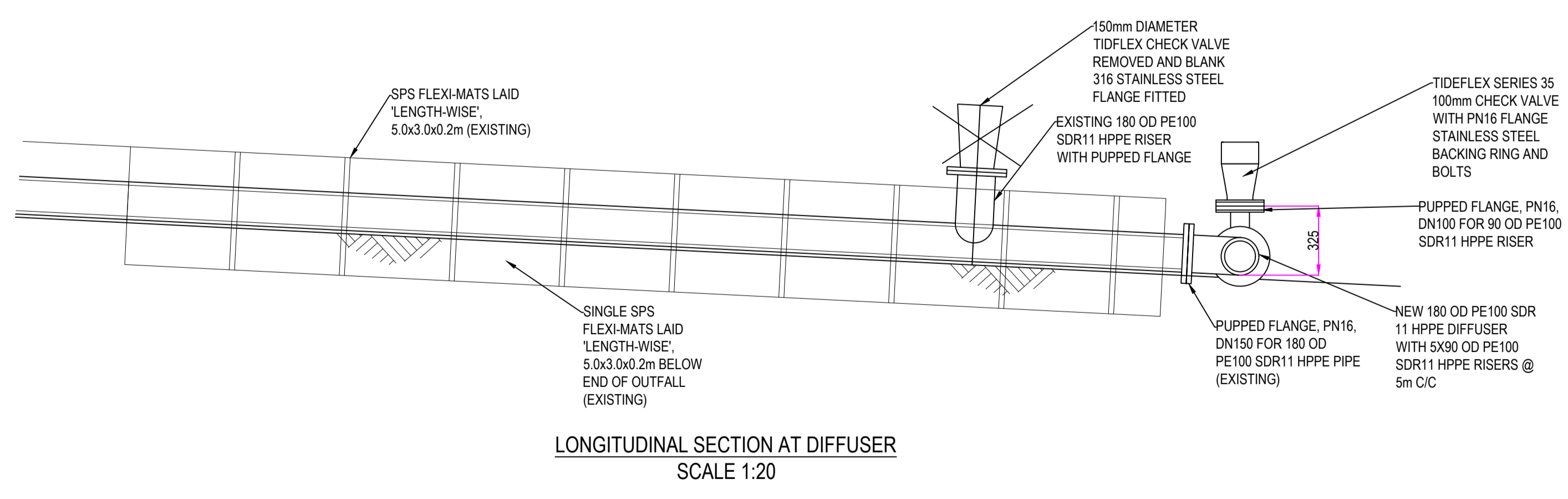


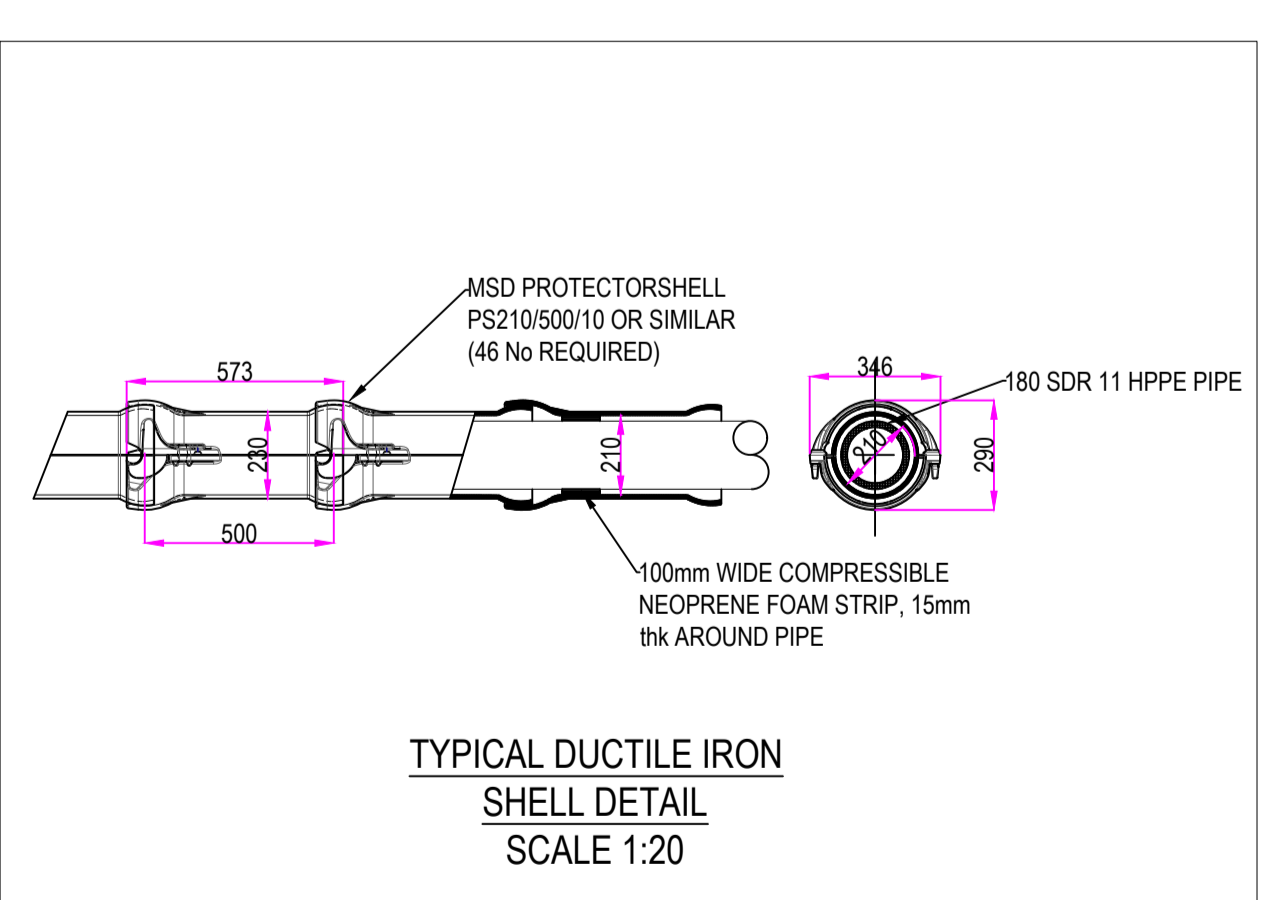
PROPOSED PLAN ON OUTFALL
DIFFUSER
SCALE 1:20

PROPOSED PLAN ON OUTFALL
DIFFUSER
SCALE 1:20

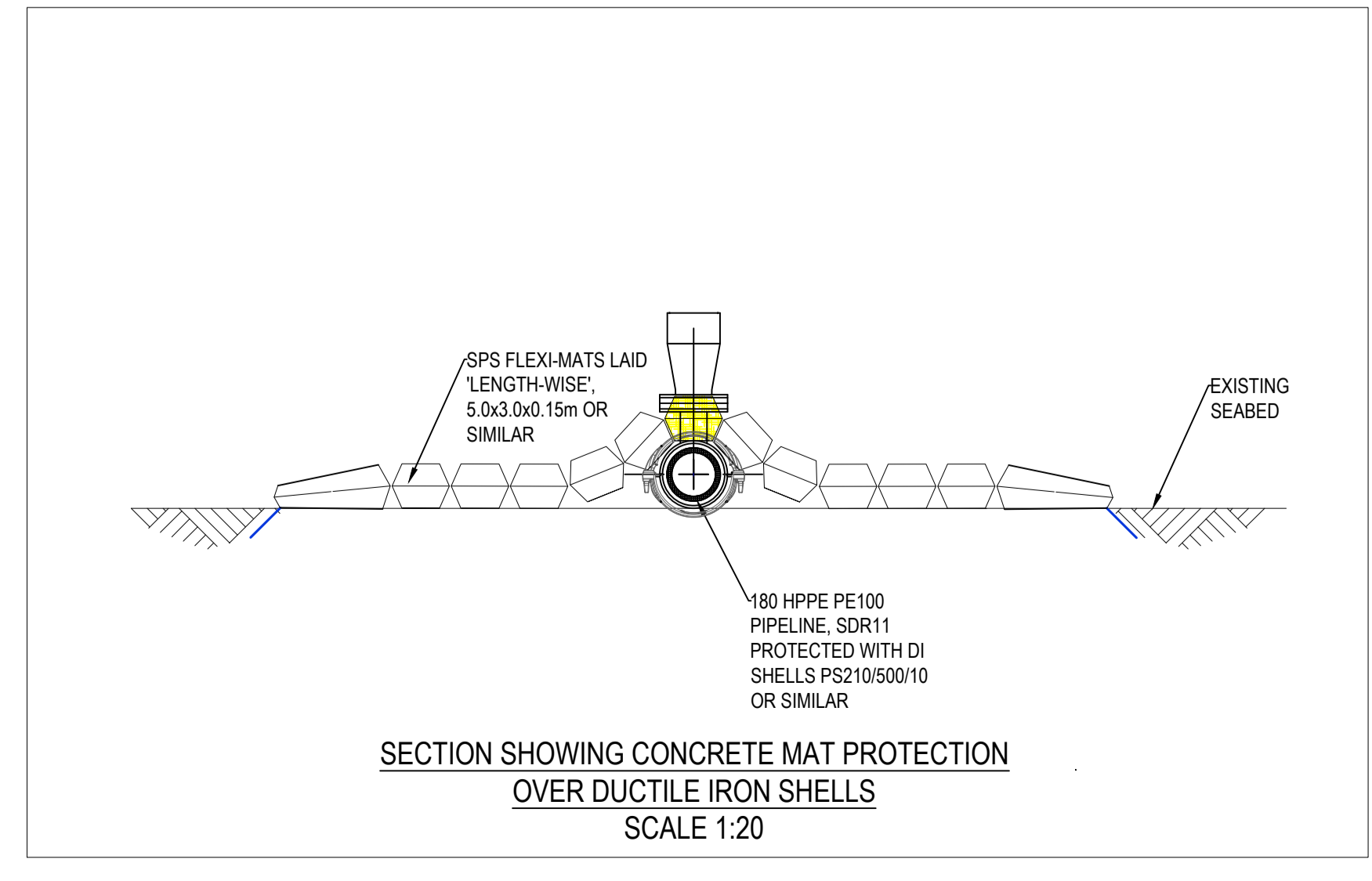
- NOTES**
- Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to the part of the work.
 - Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences.
 - Issue of Drawings. Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg, dxf etc.) are deemed to be uncontrolled issue and any work carried out based on these files is at the recipient's own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipient's software, and any errors arising when these files are used to aid the recipient's drawing production, or setting out on site.
 - Datum.



LONGITUDINAL SECTION AT DIFFUSER
SCALE 1:20



TYPICAL DUCTILE IRON
SHELL DETAIL
SCALE 1:20



SECTION SHOWING CONCRETE MAT PROTECTION
OVER DUCTILE IRON SHELLS
SCALE 1:20

rev	amendments	check	date

Elmwood House
 74 Bourne Road
 Belfast
 BT1 2JZ

Client: **GRISSAN RENEWABLE ENERGY**

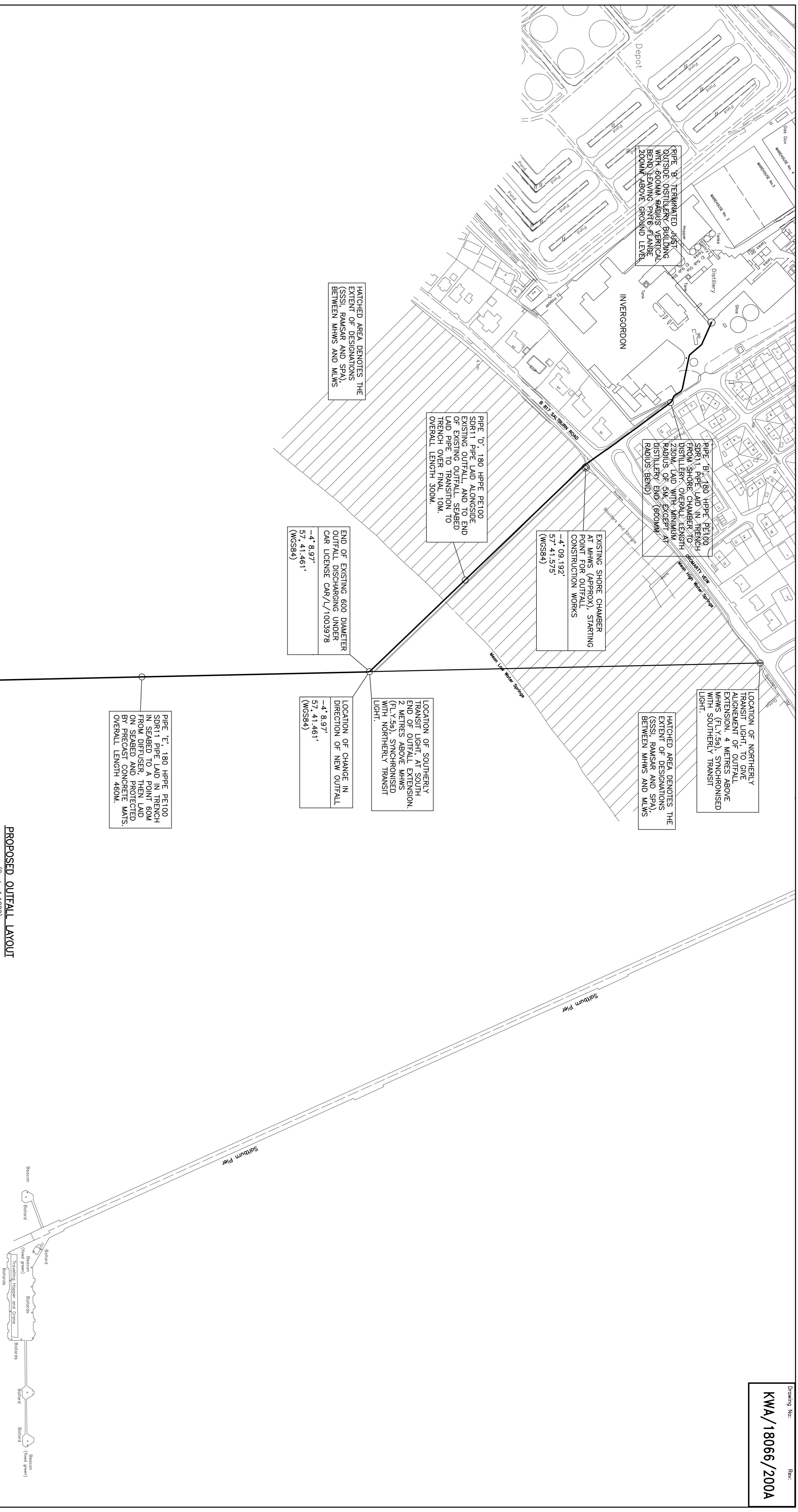
Project: **INVERGORDON OUTFALL DIFFUSER**

Title: **DIFFUSER DETAILS**

Project Number	Sheet Size	Drawing Scale
IBE2063	A0	AS SHOWN

Drawn By	Status	Revision
NM	TENDER	01

Checked By	Approved By	Date
MB	MB	15/09/2022



PROPOSED OUTFALL LAYOUT
(Scale 1:1000)

PIPE 'B' TERMINATED JUST OUTSIDE DISTILLERY BUILDING WITH 600MM RADIUS VERTICAL BEND LEAVING PIPE FLANGE 200MM ABOVE GROUND LEVEL.

EXISTING SHORE CHAMBER AT MHWs (APPROX.) STARTING POINT FOR OUTFALL CONSTRUCTION WORKS
-4° 09.192'
57° 41.575'
(WGS84)

END OF EXISTING 600 DIAMETER OUTFALL DISCHARGING UNDER CAR LICENSE CAR/L/1003978
-4° 8.97'
57° 41.461'
(WGS84)

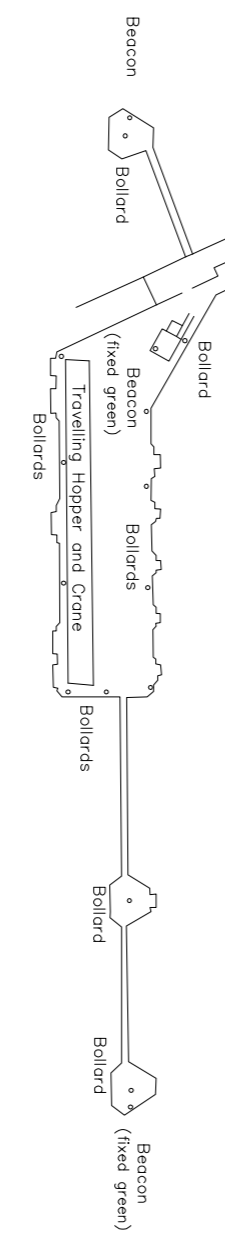
LOCATION OF CHANGE IN DIRECTION OF NEW OUTFALL
-4° 8.97'
57° 41.461'
(WGS84)

LOCATION OF OUTFALL DIFFUSER, -20M CHART DATUM
-4° 8.96'
57° 41.208'
(WGS84)

180 HPE PE100 SDR11 PIPE LAID IN TRENCH FROM SHORE CHAMBER TO DISTILLERY, OVERALL LENGTH 230M

180 HPE PE100 SDR11 PIPE LAID WITHIN AND BEYOND EXISTING OUTFALL, OVERALL LENGTH 300M

180 HPE PE100 SDR11 PIPE LAID IN TRENCH UNTIL 60M FROM DIFFUSER, THEN LAID ON SEABED UNDER PROTECTIVE MATS, OVERALL LENGTH 460M



PROPOSED OUTFALL PROFILE
(Scale 1:1000 HORZ)
(Scale 1:500 VERT)

Job:	PROPOSED OUTFALL EXTENSION INVERGORDON DISTILLERY, INVERGORDON
Client:	WHYTE & MACKAY
Revisions:	A/121118 OUTFALL LAYOUT AMENDED, MARKER LIGHTS ADDED

Drawn:	DAM:CC	Scale:	1:1000
Checked:		Date:	23.08.18
<p>KWA Consulting Engineers Ward College, Roggan Bank, Burn Place, Dingwall IV15 9ND Tel: 01549 853333 Email: info@kwakel.co.uk</p>			

KWA CONSULTING ENGINEERS

KWA CONSULTING ENGINEERS

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Drawing No: **KWA/18066/200A**



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Projection: OSGB 1936/British National Grid
EPSG:27700

Page 1

Rev No: 1

Drawing Date:
11/11/2022

Drawn by: Innes Beaton





Title: 98_DRG_02_1 Marine
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





Base map and data from OpenStreetMap and
OpenStreetMap Foundation

Legend

-  Diffuser Outfall Location
-  Marine Licence Boundary Points
-  Marine Licence Boundary
-  Pipeline



Legend

-  Diffuser Outfall Location
-  10Km Buffer
-  20Km Buffer
-  Buildings
-  Inland Water
-  RAMSAR_SCOTLAND
-  Roads
-  SAC_SCOTLAND
-  SPA_SCOTLAND
-  SSSI_SCOTLAND
-  Tidal Water
-  Woodland

