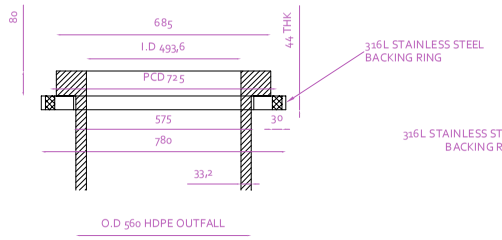
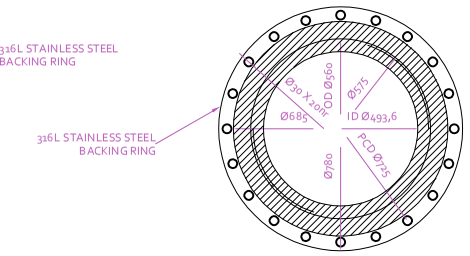
ORIGINAL SIZE A1



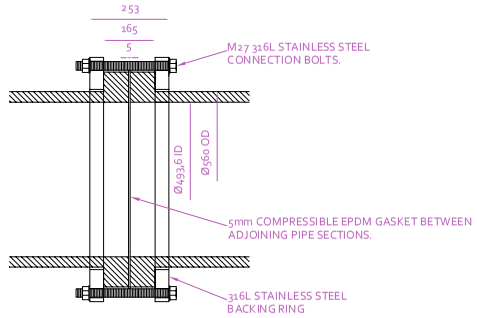
OUTFALL STUB END DETAIL- 560mm OD HDPE

PLAN VIEW

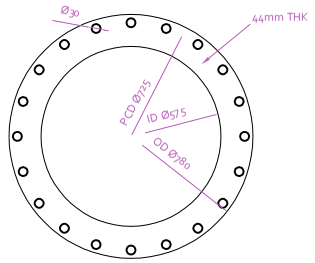


OUTFALL STUB END DETAIL-560mm OD HDPE

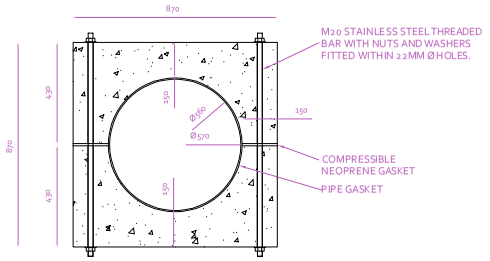
FRONT ELEVATION



OUTFALL STUB ENDS CONNECTION DETAIL- 560mm OD HDPE



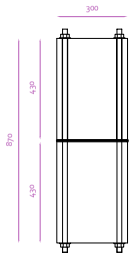
316L STAINLESS STEEL BACKING RING DETAIL- 560mm OD HDPE



CONCRETE BALLAST COLLAR DETAILS

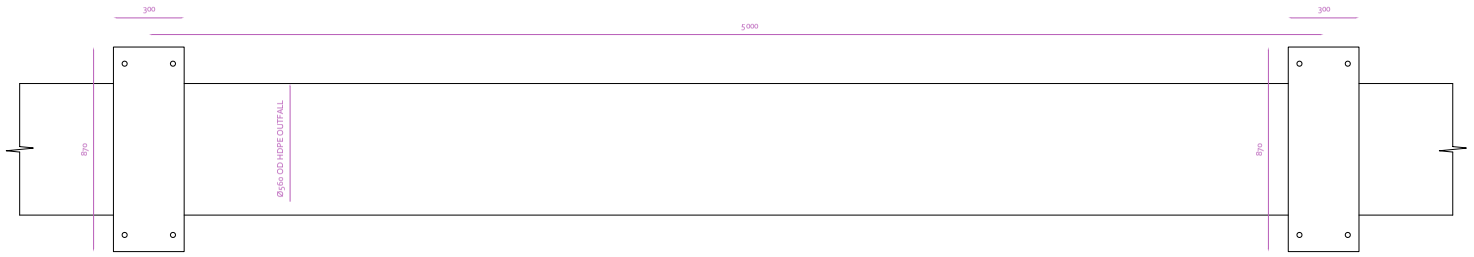
FRONT ELEVATION

Pre-Cast Concrete Ballast Collar Details	
Width & Breadth	0.9m W x (2x0.43m H)
Length	0.3m
Volume	0.14961 m3
Weight (@ 2.4t/m3)	0.359 T (Approx)- air
Weight (@ 2.4t/m3)	0.206T- Submerged
To suit pipe Ø	0.56m OD
To suit pipe Ø	0.56m OD



CONCRETE BALLAST COLLAR DETAILS

SIDE ELEVATION



CONCRETE BALLAST COLLAR DETAILS

PLAN VIEW

NOTES;

ALL DIMENSIONS ARE IN mm. ALL LEVELS ARE IN mAOD UNLESS NOTED OTHERWISE.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH KAYMAC LONG SECTION DRAWINGS REF 1001-14(1) TO (7).

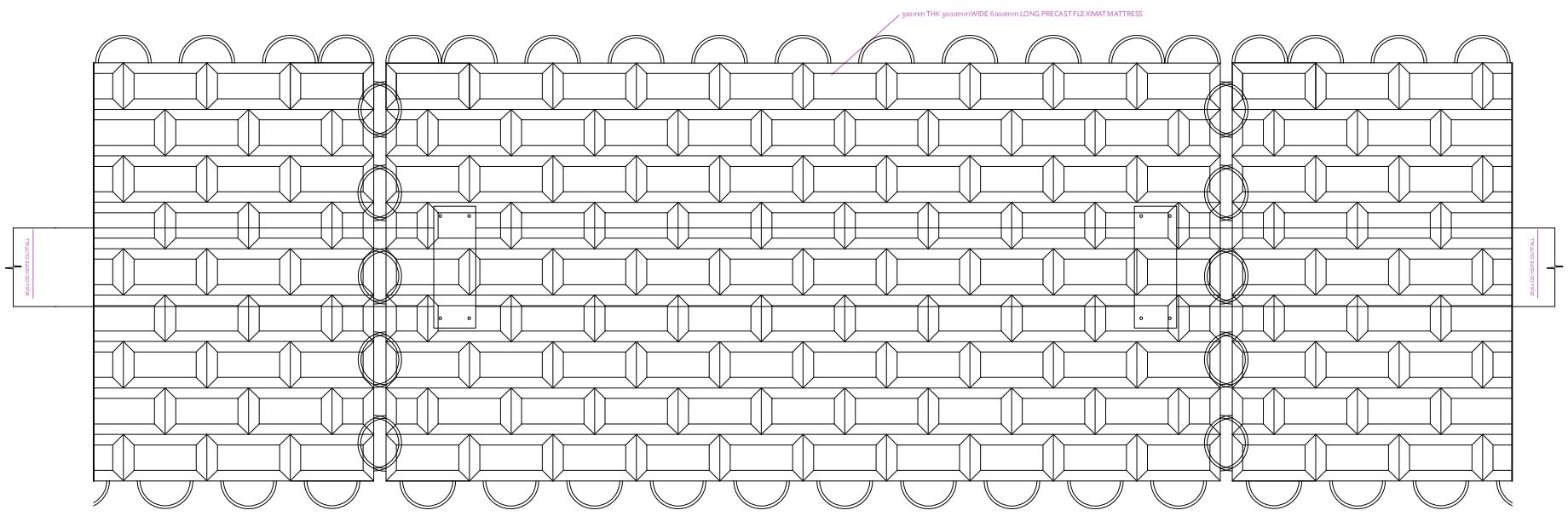
LAPS TO GEOTEXTILES TO BE 1000mm IN ALL CASES.

MATTRESSES MUST EXTEND A MINIMUM OF 1.0m EITHER SIDE OF THE PIPE CENTRE LINE AT ALL LOCATIONS.

PIPE MUST NOT BE SUPPORTED ANYWHERE ALONG ITS LENGTH DIRECTLY BY ROCK.

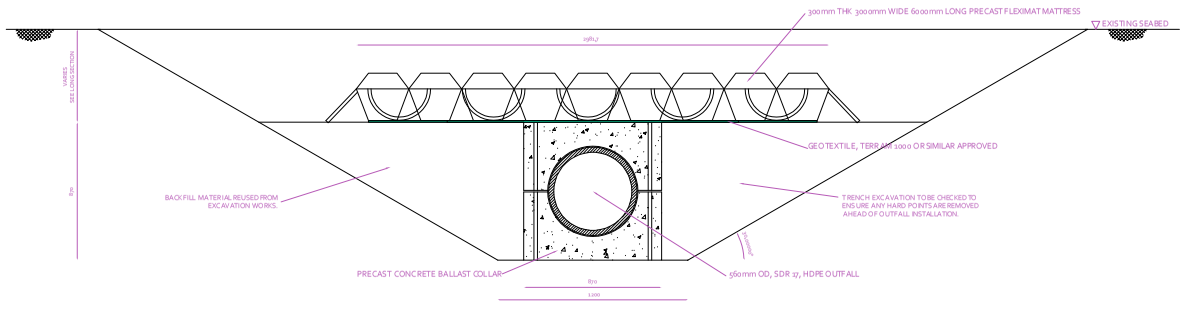
3M WIDE X 6M LONG FLEXIMAT

1. ALL DIMENSIONS ARE IN mm.
2. ROPE TO BE 18mm Ø POLYPROPYLENE COMPLYING WITH EN.ISO.13246: 2012 AND UV STABILISED AGAINST SOLAR DEGRADATION, MBL 4400kgs.
3. MATTRESS LIFT SAFETY RATIO:- 8.4: 1 (LIFTING ON 6M SIDES USING 8no LIFT POINTS PER SIDE).
4. CONCRETE IAW BS 8500-1-2015 & BS 8500-2-2015.
5. CONCRETE DENSITY TO BE NORMAL WEIGHT - 2400kgs/m^3 APPROXIMATELY.
6. MATTRESS WEIGHT IN AIR = 8330kgs APPROXIMATELY
7. MATTRESS WEIGHT IN WATER = 4775kgs APPROXIMATELY
8. CORNER BLOCKS AND CENTRE LINE END BLOCKS TO BE PAINTED YELLOW.



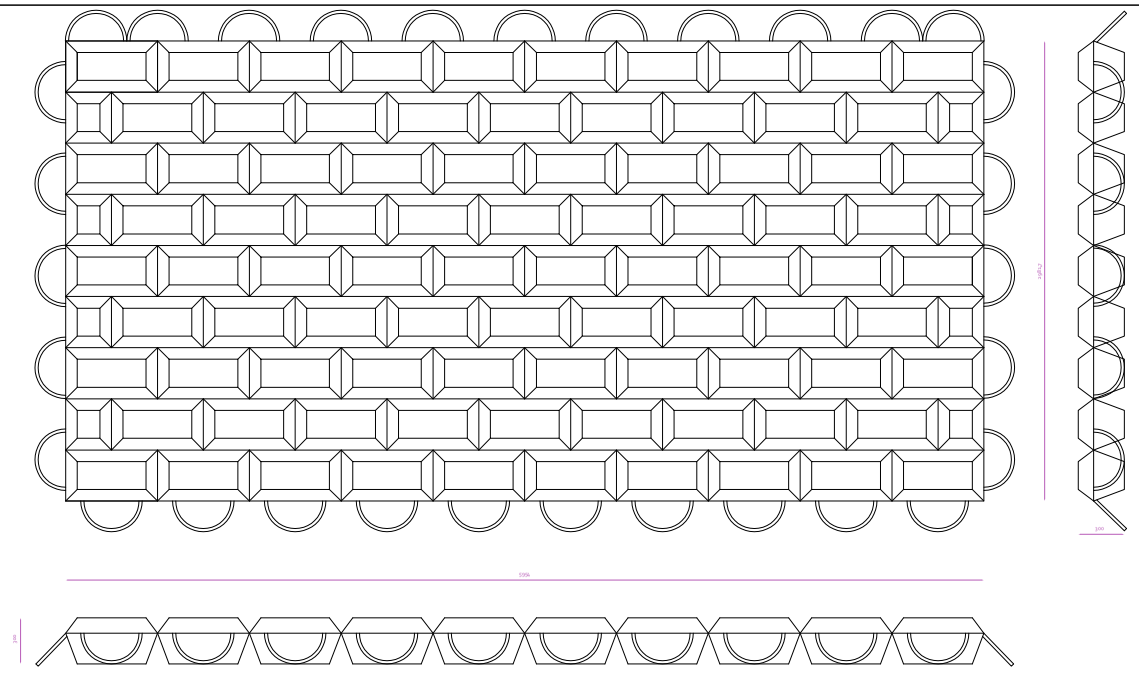
INSTALLED PIPE SECTION

PLAN VIEW



TYPICAL TRENCH PROFILE- SEABED

FRONT ELEVATION



PROPOSED 3m x 6m PRECAST FLEXI MATTRESS DETAIL

Rev	Date	By	Rev Description
01	17/07/22	RC	-

Drawing Status:
Outline Design Detail

Client:
EASTMAN

Project Reference:
EASTMAN; NEWPORT OUTFALL

Drawing Title:
PROPOSED OUTFALL DETAILS- DRAWING 1B

Drawing Reference:
1001-01B- 3M WIDE FLEXIMAT

Issue Date: 09/03/22
Scale: DO NOT SCALE

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