



200

CONCRETE WEIGHT DETAIL
(Scale 1:20)

PART LONG.

SECTION SHOWING CONCRETE WEIGHTS
(Scale 1:20)

60METRES

~SPS FLEXI-MATS LAID 'LENGTH-WISE', 5.0x3.0x0.2m

REINFORCED CONCRETE COLLAR, GRADE 32/40

250

500

CONCRETE COLLAR— WEIGHTS AT 2M c/cs, REFER DETAIL _180 HPPE PE100 PIPELINE, SDR11 -FORM TRENCH IN SEABED BY WATER JETTING, ALLOW TO SELF BACKFILL EXISTING SEABED

PIPE 'E' BEDDING DETAIL
(Scale 1:20)

1. INSTALLATION OF DIFFUSER TO BE CARRIED OUT AT 18METRES BELOW CHART DATUM IN TIDAL CROMARTY FIRTH.

2. INSPECT AND CLEAR SEABED OF ANY DEBRIS OR HARD SPOTS. AIR LIFT TO FILL ANY LOW SPOTS. 3. DIFFUSER RISER TO BE FUSION WELDED TO OUTFALL PIPE AND FITTED WITH PUPPED FLANGE AS SHOWN TO MINIMISE DIVER WORK.

5. ALL FLANGES, BLANK FLANGE PLATES NUTS, BOLTS WASHERS ETC TO BE STAINLESS GRADE 316. 4. PIPE 'E' POLYETHYLENE PIPE TO BE PE100, SDR11, 180 OD, PIPE 'D' TO BE PE100RT, SDR11, 180 OD.. 6. COMPLETED WORK TO BE RECORDED BY DIVER VIDEO SURVEY.

7. PIPE 'E' TO BE ASSEMBLED OFF-SITE, FLOATED TO LOCATION AND SUNK IN POSITION. PIPE 'D' TO BE ASSEMBLED OFF-SITE, FLOATED TO LOCATION AND WINCHED UP INSIDE THE EXISTING 600 DIAMETER OUTFALL TO THE EXISTING SHORE CHAMBER. PIPES 'D' AND 'E' TO BE CONNECTED ON THE SEABED WITH A 45 DEGREE FLANGED ELBOW.

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