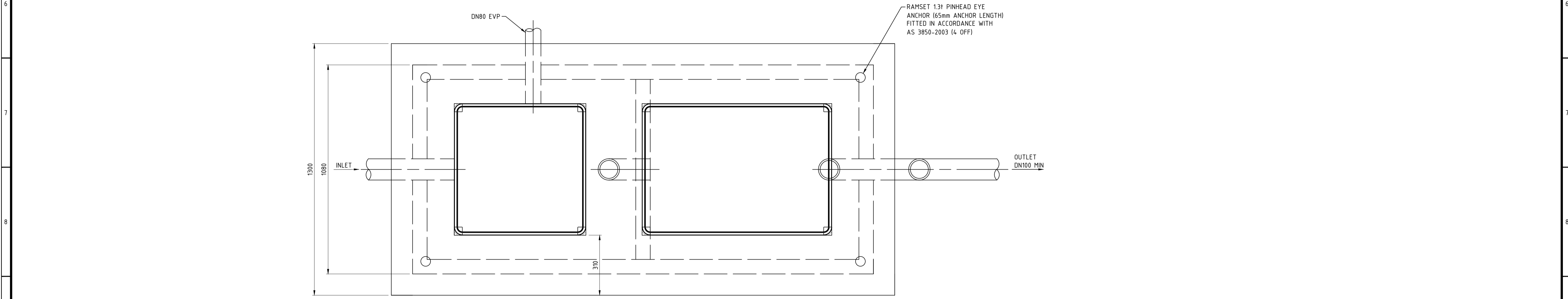


DILUTION UNIT DETAILS - SECTION VIEW
1:10



DILUTION UNIT DETAILS - PLAN VIEW
1:10

GENERAL NOTES

1. XYPEX ADMIX C-5000 TO BE USED TO PROVIDE ACID RESISTANCE AND TO BE ADDED TO CONCRETE MIX AT THE TIME OF BATCHING.
2. XYPEX ADMIX C-5000 WILL BECOME AN INTEGRAL PART OF THE CONCRETE AND WILL ENSURE CONCRETE MIX AND INTERNAL WALLS ARE RESISTANT TO ACID AND CHEMICAL ATTACK WITHIN THE pH RANGE OF 3 TO 11 WHEN IN CONSTANT CONTACT.
3. WALLS AND BASE ARE AN INTEGRAL SINGLE CAST CONCRETE UNIT.
4. GAS TIGHT COVERS AVAILABLE UPON REQUEST, THESE ARE TO BE INSTALLED WHERE:
 - 4.1. THERE IS VEHICULAR TRAFFIC
 - 4.2. THERE IS PEDESTRIAN TRAFFIC
 - 4.3. THE UNIT IS SUBJECT TO STORMWATER INTRUSION
 - 4.4. IT IS INSTALLED INSIDE A BUILDING
5. GAS TIGHT COVERS TO COMPLY WITH THE LATEST VERSION OF AS 3996.
6. TOTAL DILUTION UNIT OPERATING VOLUME EQUALS APPROXIMATELY 2160 LITRES.
7. BACKFILL TO BE LAID AND COMPACTED IN LAYERS NOT MORE THAN 300mm DEEP TO GIVE A MINIMUM COMPACTION OF 7 BLOWS/300mm WHEN TESTED WITH A PERTH STANDARD FALLING WEIGHT PENETROMETER (PSP).
8. WEIGHT OF COMPONENT:
 - 8.1. WEIGHT OF BASE UNIT = 3000kg
 - 8.2. WEIGHT OF 300mm SPACER = 430kg
 - 8.3. WEIGHT OF 200MM SPACER = 320kg
 - 8.4. WEIGHT OF CONCRETE COVER = 1630kg
 - 8.5. WEIGHT OF CENTRE BAFFLE = 260kg
9. THE pH OF DISCHARGE AT THE OUTLET SHALL BE BETWEEN 6.0 AND 10.0 TO MEET REGULATORY REQUIREMENTS. A pH PROBE MAY BE INSTALLED BY THE OPERATING OWNER WHERE REQUIRED TO AUTOMATICALLY DOSE THE UNIT CONTENTS TO MEET THIS CRITERIA.
10. ALL ASSOCIATED PLUMBING WORK IS TO COMPLY WITH WATER SERVICES LICENSING REGULATIONS 2000 AND LATEST VERSIONS OF AS/NZS 3500.1 AND AS/NZS 3500.2.
11. SURROUNDING GROUND SHALL BE GRADED AWAY FROM FINISHED LID LEVEL AND SAMPLE POINT TO PREVENT INGRESS OF WATER.

REV	DATE	ISSUE / REVISION DESCRIPTION	DRN	CHK	APP	DRAWING NUMBER	DRAWING TITLE / DESCRIPTION	TITLE	NAME	DATE	NORTH	CLIENT	PROJECT	AUTHORISED BY	
A	16/11/2016	ISSUED FOR APPROVAL	MR	DW	DW	00036.01 S-02	BASE REINFORCEMENT DETAILS	DRAFTER	MR	15/11/2016		NAVAL BASE CONCRETE PTY LTD	 David Wills and Associates Consulting Engineers	Office: Unit 1 / 9 Shields Crescent BOORAGOON WA 6154 Mail: PO Box 3084 MYAREE LPO WA 6154 Phone (08) 9424 0900 Fax (08) 9330 3133 E-mail dwa@dwaconsulting.com.au ABN 34 900 498 130	
B	10/05/2017	REVISED BASED ON WATER CORPORATION COMMENTS	MR	DW	DW	00036.01 S-03	COVER REINFORCEMENT DETAILS	DESIGNER	MR	11/11/2016					DILUTION UNIT DESIGN TRADE WASTE PRE-TREATMENT PRODUCT
C	09/08/2017	VENT PIPE DIAMETER ADJUSTED	MR	DW	DW	00036.01 S-04	CIRCULAR COVER DETAILS	ENG. CHECK	DW	16/11/2016					CLIENT REF: 00036.01 SCALE: 1:10 @ A1 DRAWING No: 00036.01 S-01 REV: C
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