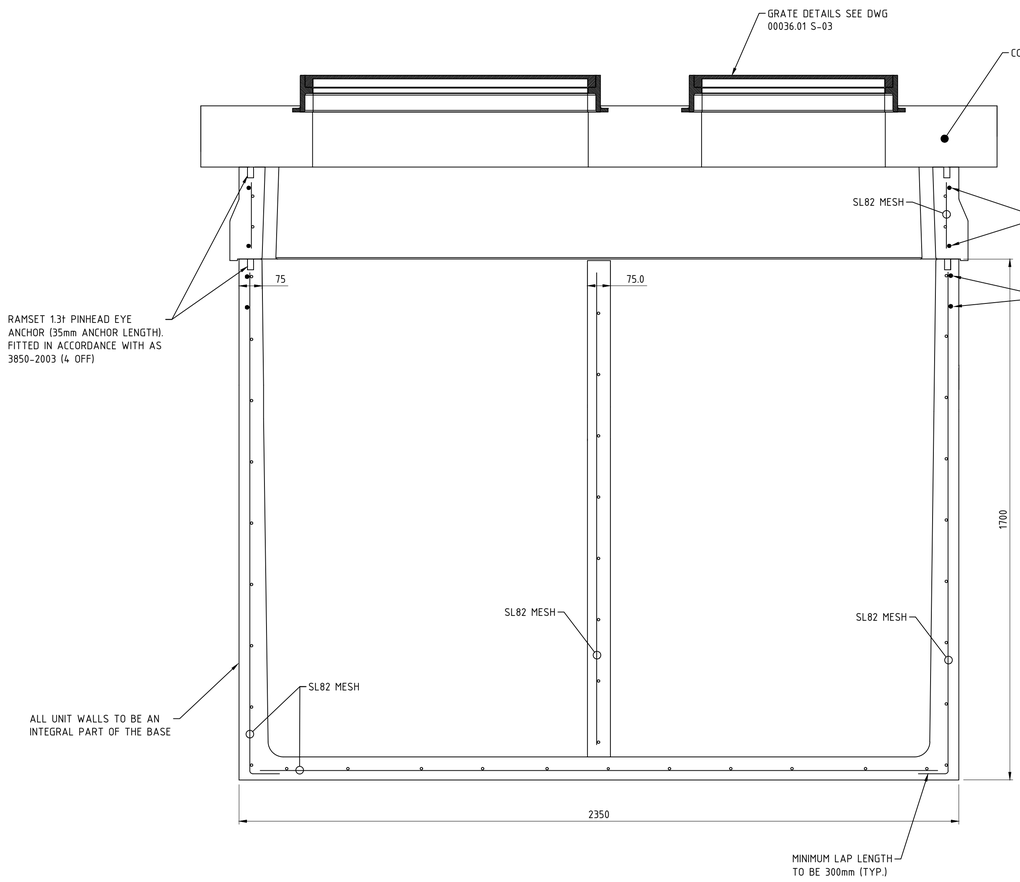

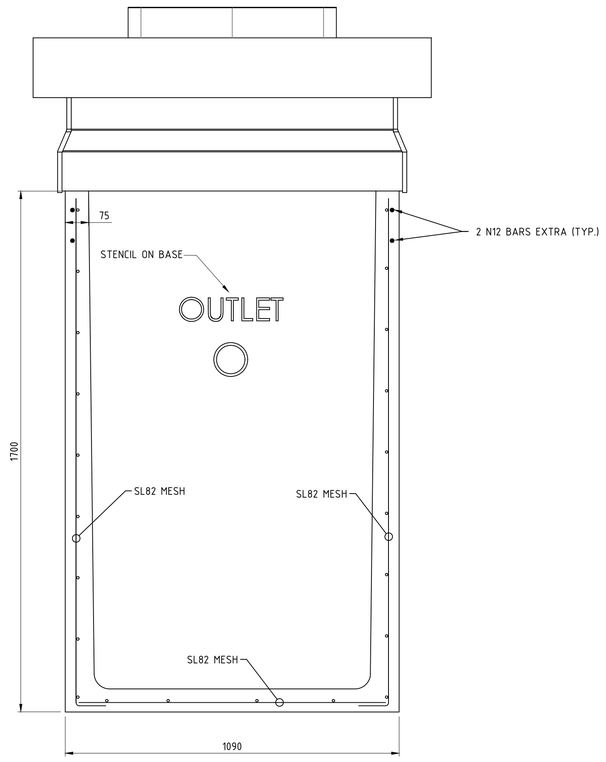

STRUCTURAL NOTES

CONCRETE

1. ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH AS3600 CONCRETE STRUCTURES CODE OR ITS LATEST AMENDMENT AND OTHER CODES QUOTED HEREIN.
2. ALL CONCRETE SHALL BE 40MPa WITH 20mm AGGREGATE AND CEMENT CONTENT NOT LESS THAN 350kg PER CUBIC METRE. MAXIMUM SLUMP OF 80MM.
3. CONCRETE MIX TO INCLUDE XYPEX ADMIX C-5000. THIS IS TO BE INSTALLED IN ACCORDANCE TO MANUFACTURER RECOMMENDATIONS.
4. CONCRETE SHALL BE WATERPROOFED BY THE ADDITION OF RHEOFIT 1141 AT THE RATE OF 1 LITRE PER 100KG OF CEMENT.
5. GLENIUM ACE 39 SHALL BE ADDED AT THE RECOMMENDED RATE OF 1 LITRE PER 100KG OF CEMENT. THE WATER CONTENT SHALL BE REDUCED TO PRESERVE THE SPECIFIED SLUMP AND ACHIEVE A WATER CEMENT RATIO NOT GREATER THAN 0.42.
6. ALL CONCRETE SHALL BE VIGOROUSLY VIBRATED.
7. DO NOT USE BLENDED CEMENTS. USE ONLY TYPE A PORTLAND UNLESS NOTED OTHERWISE WITH PRIOR APPROVAL OF THE ENGINEER.
8. CONCRETE SHALL BE CURED BY APPLICATION OF SUITABLE CURING COMPOUND.

STEEL

7. REINFORCEMENT SHALL COMPLY WITH THE LATEST REVISION OF AS/NZS 4671.
8. ALL REINFORCEMENT TO BE FREE OF SCALE, RUST AND OTHER FOREIGN MATTER.
9. REINFORCEMENT SHALL BE CLASS N WITH A MINIMUM STRENGTH OF 500MPa TO AS/NZS 4671.
10. MINIMUM LAP PER EMBEDMENT LENGTHS FOR REINFORCEMENT SHALL BE 40 x BAR DIAMETER. WHEN LAPPING BARS OF DIFFERENT SIZE THE LAP LENGTH FOR THE SMALLER BAR SHALL APPLY.
11. MINIMUM REINFORCEMENT COVER SHALL BE:
    - 11.1. BASE: 35mm INTERNALLY, 25mm EXTERNALLY
    - 11.2. COVER (LID): 40mm

BACKFILL REQUIREMENTS

1. 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.

LOADING SPECIFICATION

1. REFER TO DWG 00036.01 S-03 FOR MAXIMUM ALLOWABLE IMPOSED LOADS.
2. MAXIMUM DEPTH FROM SURFACE TO UNDERSIDE OF BASE SHALL NOT EXCEED 2.5m, EQUIVALENT TO 2 SPACERS BELOW THE LID.

ISSUE/REVISIONS

REV	DATE	ISSUE / REVISION DESCRIPTION	DRN	CHK	APP
A	16/11/2016	ISSUED FOR APPROVAL	MR	DW	DW

DRAWING REFERENCES

DRAWING NUMBER	DRAWING TITLE / DESCRIPTION
00036.01 S03	COVER REINFORCEMENT DETAILS

DRAWING INFORMATION

TITLE	NAME	DATE
DRAFTER	MR	15/11/2016
DESIGNER	MR	11/11/2016
ENG. CHECK	DW	16/11/2016

DISCLAIMER:

NORTH

CLIENT INFORMATION

CLIENT

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

PROJECT INFORMATION

PROJECT

DILUTION UNIT DESIGN
TRADE WASTE PRE-TREATMENT PRODUCT

BASE REINFORCEMENT DETAILS

AUTHORISED BY: 16/11/2016

D. Wills

David Wills AIT(Civil) GradDipB MIEAust CPEng

CLIENT REF 00036.01 | SCALE 1:10 @ A1

DRAWING No. 00036.01 S-02 | REV A

SHEET SIZE A1