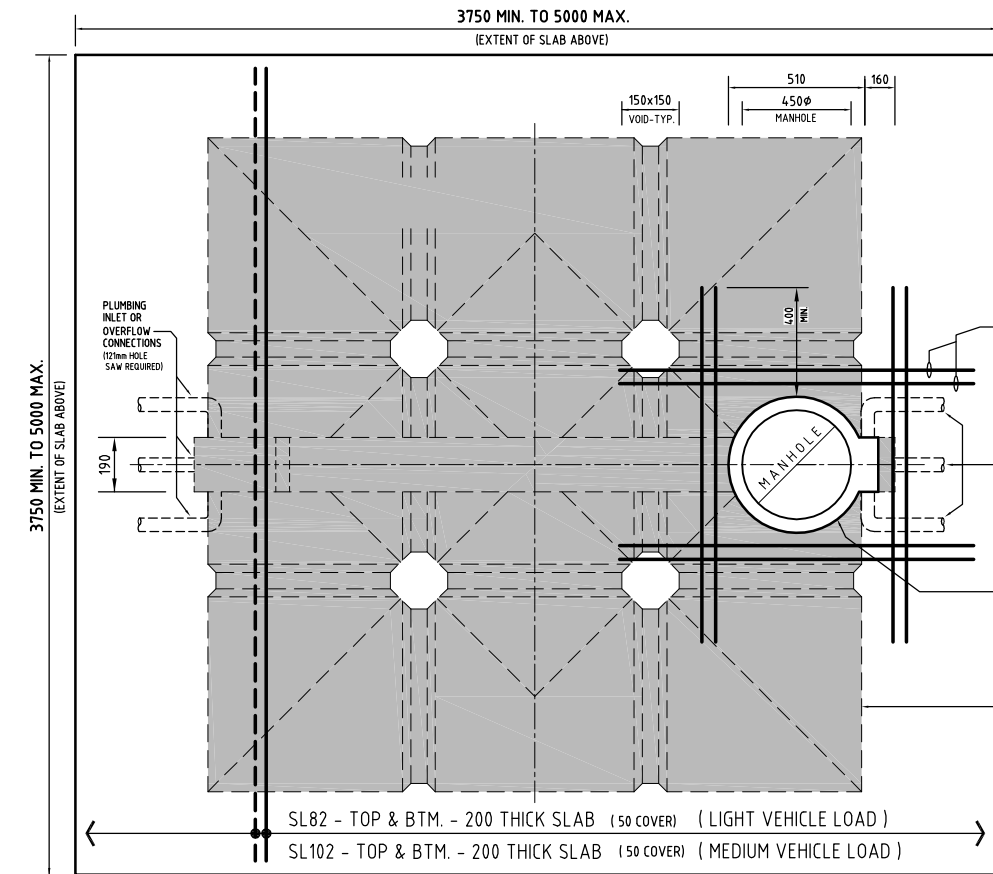
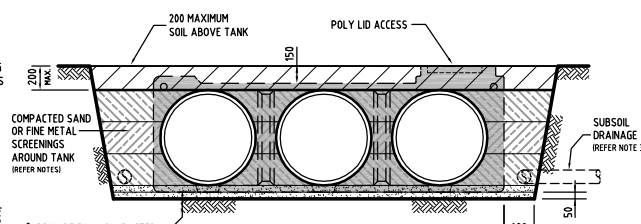


**TYPICAL SECTION THROUGH TANK**



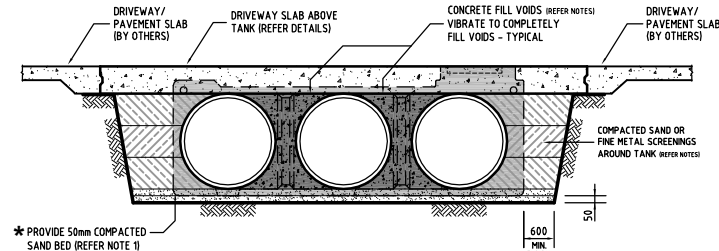
**CONCRETE SLAB TO TANK - PLAN (TOP VIEW)**



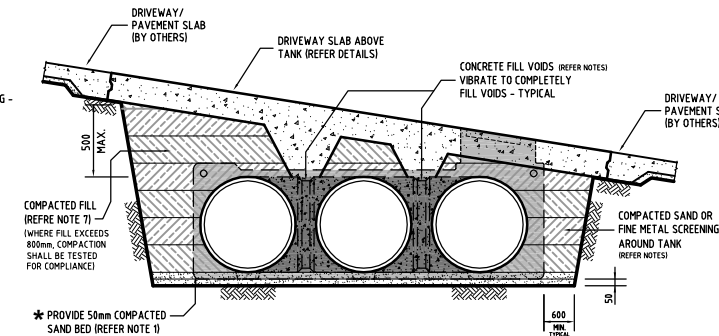
**SITE 1 - DRY YARD (SOIL COVER)**

THIS INSTALLATION IS ONLY SUITABLE FOR SITES MEETING ALL THE FOLLOWING CRITERIA:

1. THE TANK SITE IS NOT SUBJECT TO TRAFFIC.
2. THE SITE IS NOT SUBJECT TO FLOODING.
3. THE SITE GROUND WATER LEVELS DO NOT RISE ABOVE THE BASE OF THE TANK. SUB SOIL DRAINAGE MAY BE PROVIDED TO ENGINEER'S RECOMMENDATIONS TO RELIEVE GROUND WATER AND POSSIBLE FLOTATION, PARTICULARLY ON A SLOPING SITE. (OTHERWISE ADOPT INSTALLATION AS FOR SITE 2 OR 3, OR SEEK ENGINEERING ADVICE ON ALTERNATIVE MEANS OF RESISTING POSSIBLE TANK FLOTATION.)

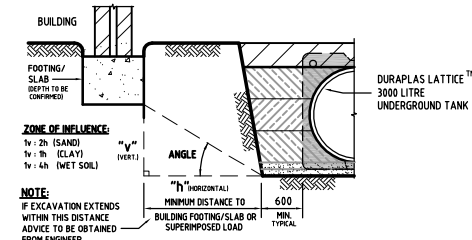


**SITE 2 - LEVEL DRIVEWAY/PAVEMENT**



**SITE 3 - INCLINED DRIVEWAY**

**TYPICAL CONFORMING INSTALLATIONS**



**TANK ADJACENT TO BUILDING**

**INSTALLATION NOTES:**

1. TANKS SHALL BE INSTALLED ON STABLE SITES WITH FOUNDATION MATERIAL FREE OF ORGANIC MATERIAL AND OF UNIFORM BEARING CAPACITY OF NOT LESS THAN 100 kPa.
2. WHERE FOUNDATION CONDITIONS ARE UNKNOWN, THE TANK INSTALLATION SHALL BE SUBJECT TO A GEOTECHNICAL ENGINEERING ASSESSMENT. FOR NON-CONFORMING SITES AND/OR LOADING SITUATIONS, INSTALLATION SHALL BE ASSSESSED BY A STRUCTURAL ENGINEER.
3. EXCAVATIONS TO BE FREE OF WATER BEFORE CONCRETING.
4. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARDS INCLUDING AS 3600 'CONCRETE STRUCTURES' ALSO BCA AND LOCAL COUNCIL REQUIREMENTS.
5. **CONCRETE QUALITY:**  
CONCRETE TO BE MINIMUM GRADE M25  
- 8mm SLUMP  
- 20mm MAXIMUM AGGREGATE.
6. **DESIGN LOADING - SITE 2 OR 3:** (AS/NZS 1170.1: 2002)  
- LIGHT VEHICLE TRAFFIC: VEHICLES NOT EXCEEDING 2500kg GROSS MASS.  
- MAXIMUM VEHICLE TRAFFIC: VEHICLES NOT EXCEEDING 10000kg GROSS MASS.
7. **BACKFILL:**  
- LIGHT VEHICLE TRAFFIC: CLEAN GRANULAR FILL (EG SAND OR FINE METAL SCREENINGS)  
- MEDIUM VEHICLE TRAFFIC: CEMENT STABILIZED SAND (1% - 1.5% MESH PREPARED TRUCK DELIVERED)  
- PLACEMENT: FILL TANK WITH CLEAN WATER. PLACE BACKFILL IN 200mm MAX. LAYERS EVENLY AROUND TANK PERIMETER TAKING CARE TO FILL ALL VOIDS, AND COMPACT AS 'CONTROLLED FILL' IN ACCORDANCE WITH AS 2870. EACH LAYER TO BE COMPACTION WITH A VIBRATING PLATE OR ROLLER. FILL SHALL BE COMPACTION TO ACHIEVE A DENSITY INDEX NOT LESS THAN 65%. WHERE DEPTH OF FILL EXCEEDS 800mm COMPACTION SHALL BE TESTED FOR COMPLIANCE.
8. **CONCRETE PLACEMENT:**  
- POUR CONCRETE THROUGH CENTRE CORES AND VIBRATE TO ENSURE CONCRETE DISTRIBUTION AND ELIMINATE VOIDS.  
- MAINTAIN REINFORCEMENT COVER DURING POUR.  
- PROVIDE NON-SLIP FINISH TO TRAFFICABLE SURFACE.
9. **LAP TO REINFORCING FABRIC:**  
LAPS AND SPLICES TO REINFORCEMENT SHALL BE MADE ONLY IN THE POSITIONS AND TO THE DIMENSIONS SHOWN. TYPICAL FABRIC LAP, UNLESS NOTED OTHERWISE.
10. REINFORCEMENT TO DRIVEWAY SLAB MAY BE INCREASED TO PROVIDE STRONGER CONTROL ON SHRINKAGE CRACKING.

Do not scale drawing. Use written dimensions.

Issue	Date	Amendment	A
C	MAY '12	NOTES ADDED/ALTERED.	
B	MAY '06	MINM EXCAVATION ALTERED.	
A	MAR '06	DETAILS ALTERED.	

**ARDILL PAYNE & PARTNERS**

CONSULTING CIVIL AND STRUCTURAL ENGINEERS  
PROJECT MANAGERS TOWN PLANNERS AND SURVEY

79 Tamar Street  
P.O. Box 20  
BALLALIN, NSW 2478  
A.B.N. 113 981 522 12

Telephone: 02 6686 320  
Facsimile: 02 6686 795  
e-mail: info@ardillpayne.com.au

Client:

**DURAPLAS TANKS**

**3000 LITRE LATTICE™ UNDERGROUND TANK**  
PATENT No. 2005 203055

**INSTALLATION FOR UNDERGROUND TANK**

Date	Scale	Issue
NOT TO SCALE		
Design	GPM./ZW.	Date: MARCH 2006
Drawn	JIM.Z.	Drawn Name: 6200-stc.dwg
Checked	APP	Approved: [Signature]
Job No.	05/6200	Draw No. S1
		Issue: C

