

SITE CALCULATIONS	
SITE	561.0 M2
PROPOSED SITE COVERAGE	
RESIDENCE	214.2 m2
PROPOSED POOL AND DECK	40.32 m2
PROPOSED LANDSCAPE OPEN SPACE	
Not including driveways paved roofed areas tennis court car parking and stormwater structures decks	
Not included area <2	
Including pool 159.6m2 (28.4%)	

SITE PLAN

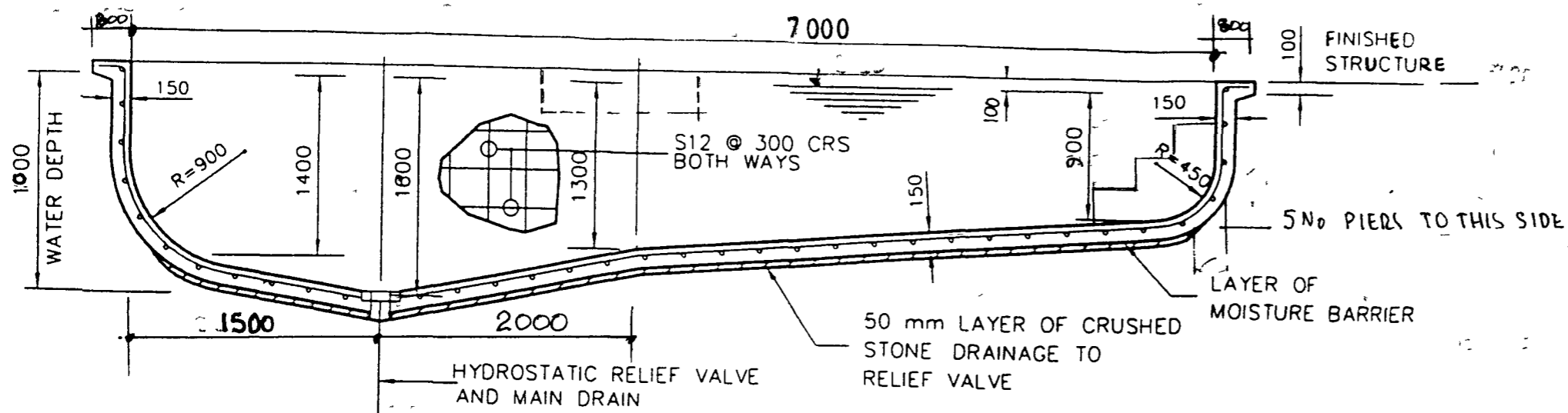
**PROPOSED SWIMMING POOL AT
No 1142, PITWATER ROAD
COLLORAY
For Mr. M. Mc GUINNESS**

SITE PLAN

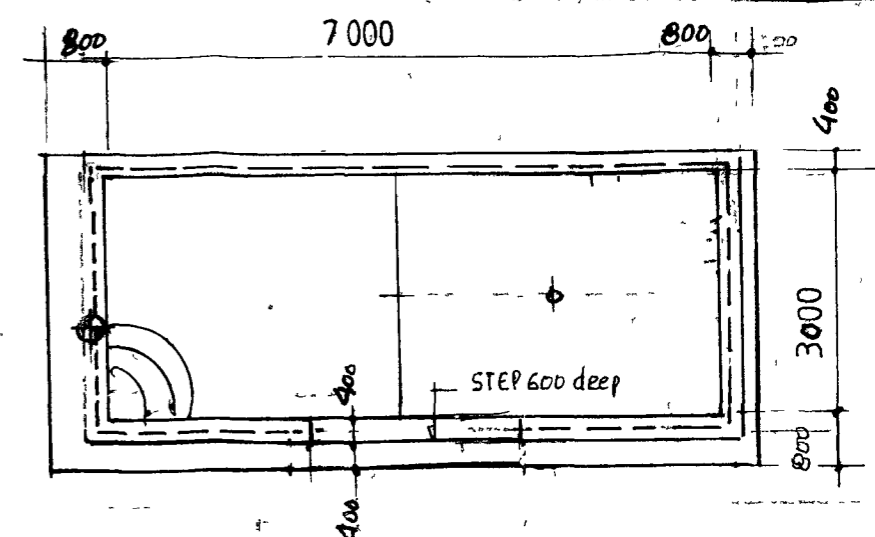
S. POLYCARPOU MIE Aust CP Eng
CHARTERED PROFESSIONAL ENGINEER
 CIVIL & STRUCTURAL N P E R 9259
 26, IRRIBIN STREET MOB 0408 269 780
 MARAYONG NSW 2148 TEL (02) 98318738
 FAX (02) 9679 8716
 E M s_poly@tpg.com.au

DATE May 2014
 Scale 1: 200,

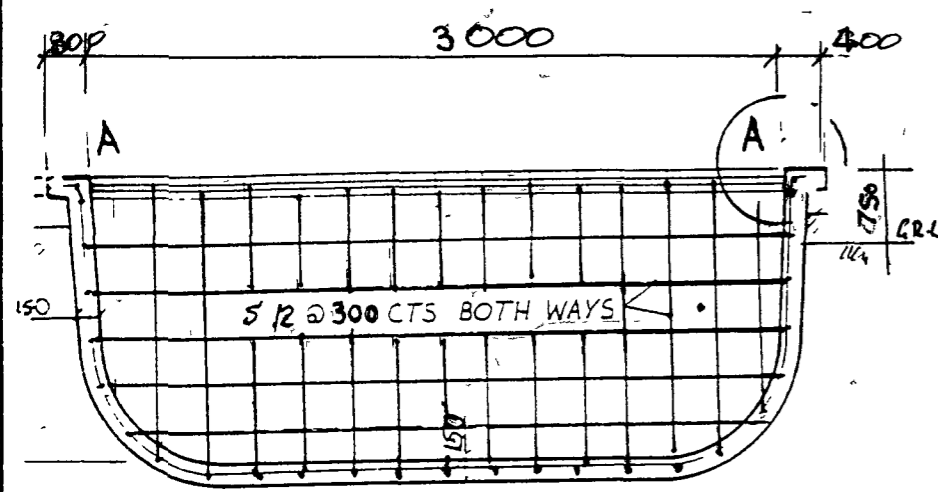
DR. No 2659/1



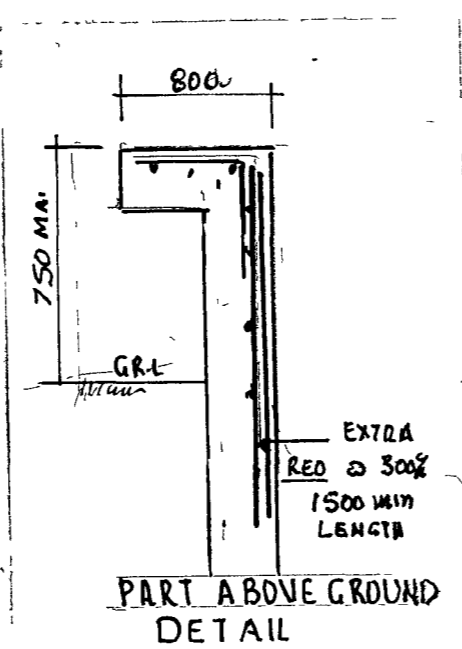
LONGITUDINAL SECTION N.T.S



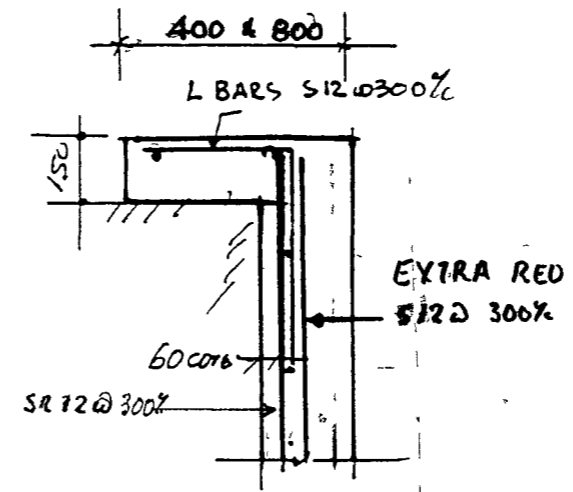
PLAN N.T.S



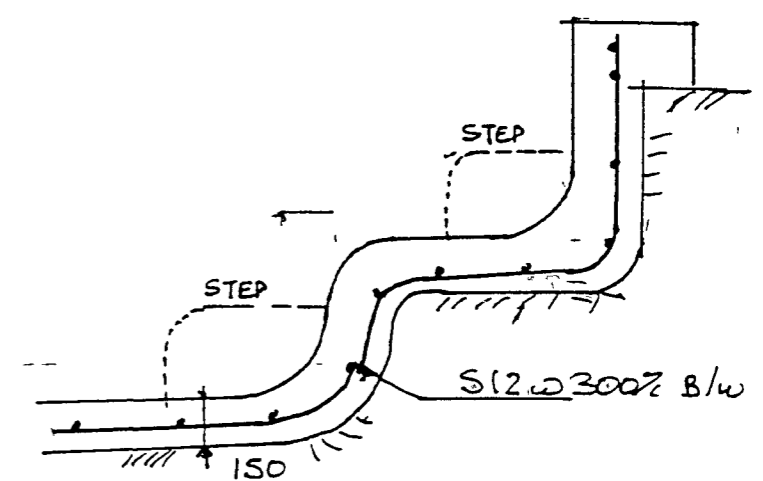
DEEP END SECTION NOT TO SCALE



PART ABOVE GROUND DETAIL

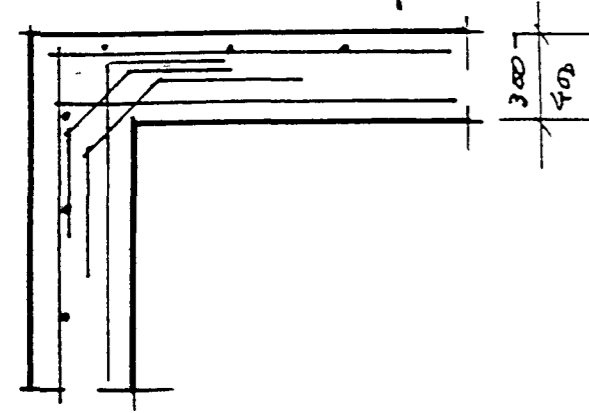


DETAIL A

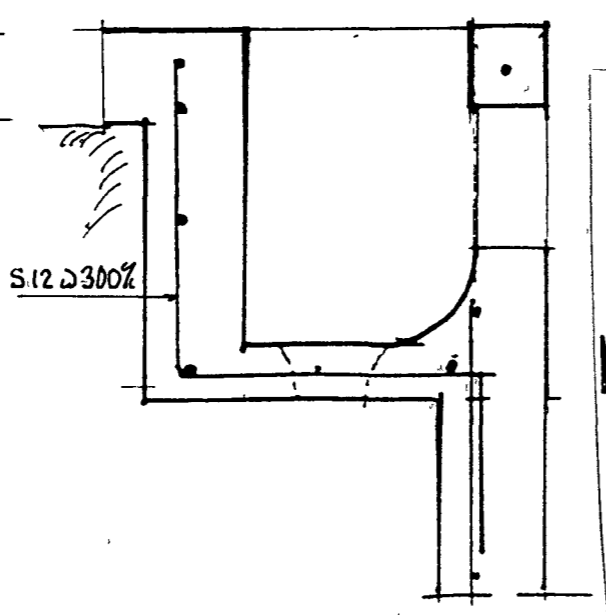


BEACH AND STEPS DETAIL AND SWIM OUT

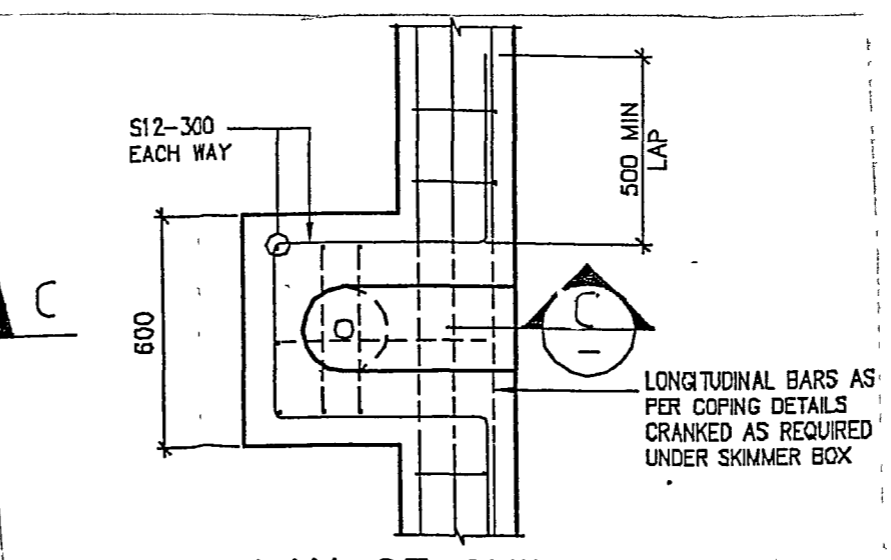
Do not scale drawings. Figured dimensions only to be used



SQUARE CORNER OF COPING RED DETAIL



SKIMMER SECTION C-C



PLAN OF SKIMMER

HYDROSTATIC RELIEF VALVE DETAIL

PROPOSED SWIMMING POOL AT
No 1142, PITWATER ROAD
COLLAROY
For Mr. M. Mc GUINNESS

SWIMMING POOL R. C. DETAILS

S. POLYCARPOU MIE Aust CP Eng
 CHARTERED PROFESSIONAL ENGINEER
 CIVIL & STRUCTURAL NPER 9259
 26, IRRIBIN STREET MOB 0408 269 780
 MARAYONG NSW 2148 TEL (02) 98318738
 FAX (02) 9679 8716
 E M s_poly@tpg.com.au

DATE May 2014
 Scale 1:100, 1:20
 DR. No 2659/2

POOL SPECIFICATIONS

GENERAL

1. Setting – out dimensions or member sizes shall not be scaled from the drawings.
2. Any discrepancy or confusion on these drawings ,must be notified to the Engineer before proceeding further with the work.
3. Pool must not be emptied until all external groundwater has been removed from the base and Walls.
4. The pool is not designed as a diving bowl.
5. Pool area shall be fenced or secured to Local Authority requirements
6. This drawing is prepared with limited site knowledge. Any unforeseen sit conditions that may affect the design must be immediately notified to the Engineer
7. Pool construction shall conform to AS 2783.
8. Builder. Please note that records must be kept as outlined in Clause 6.4 of AS 2783.
9. This pool is suitable for installation in sites classified as Class “ A”. Class “ S” or Class “ M” as defined in AS 2870. Extra details are required for pools installed in highly reactive clays, unstable sites ,loose sandy soils , Filled ground or other problem sites.
10. Pool steel is not designed for surcharge loadings within 2000 mm from the Outside edge of the coping.
11. Adequate site surface and sub- surface drainage must be carried out by the Owner to prevent external Hydrostatic pressure against the pool shell, coping and the paved surround

FOUNDATION

1. Required minimum safe bearing capacity of foundation material shall be 150 kPa at underside of pool
2. Foundation material shall be approved by the Engineer for safe bearing Capacity before construction of the shell.
3. Foundation excavation shall be kept free of water. If the bearing surface deteriorates before concrete is poured, it shall be cleaned out of all loose soft material down to the specified bearing capacity at the owner's expense
4. All supporting soil shall be firm undisturbed natural material of the same Type throughout.

CONCRETE

1. All concrete shall be Grade 25 with a maximum aggregate size of 10 mm and a maximum slump of 80 mm
2. Concrete shall comply with Australia Code A. S. 3600 and those mentioned in A. S. 3600. Refer to Clause 7.2 of A. S. 2783.
3. Concrete shall be placed pneumatically with an approved pumping machine
4. Concrete shall be cured by owner for 7 days, by keeping all exposed Surfaces wet with water
5. No concrete shall be placed until the Engineer has inspected and approved the placed reinforcement.
6. All reinforcement shall be as follows
SYMBOL TYPES
R Structural grade round bars to A. S. 1302 (230 Mpa).
S Structural grade deformed bars to A. S. 1302 (230 Mpa).
N Tempcore deformed bars to A. S. 1302 500 N
F Fabric to A. S. 1304 (450 Mpa)
NOTE The number following R, S & N is the bar diameter in millimeters
7. Clear concrete cover to reinforcement shall be as shown in table 15.3 of A. S. 2783 , 65 mm min. to water face.

8. Splices in reinforcement shall be Trench Mesh and Fabric – 2 transverse wires plus 25 mm. S 12 – 500 mm. S 16 – 650 MM.
9. No holes or Chases or embedment's of pipes other than those shown on the structural drawing shall be made in concrete members without the prior approval of the Engineer.
10. Polythene membrane shall be HIGH IMPACT Lap all joints 200 mm.
11. Reinforcement is represented diagrammatically, and is not necessarily shown in true projection.
12. Welding of reinforcement is not permitted unless shown on the Drawings or approved by the Engineer.
13. Calcium chloride shall not be used as Admixture
14. No internal finishes be applied for at least 28 days after spraying of the concrete shell.