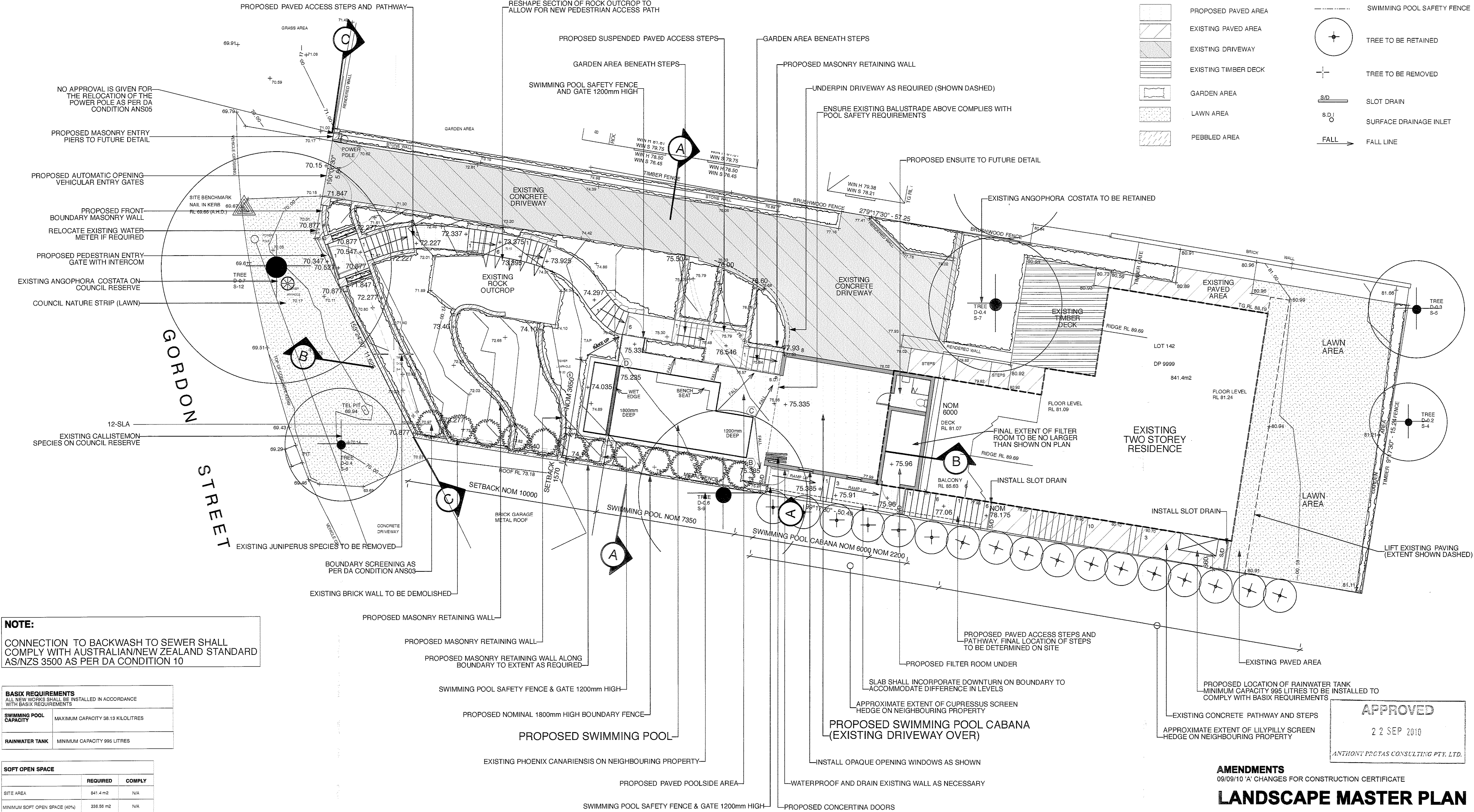


LEGEND

+ 73.335	PROPOSED LEVEL		EXISTING MASONRY RETAINING WALL
77.99	EXISTING LEVEL		PROPOSED MASONRY RETAINING WALL
	PROPOSED PAVED AREA		SWIMMING POOL SAFETY FENCE
	EXISTING PAVED AREA		TREE TO BE RETAINED
	EXISTING DRIVEWAY		TREE TO BE REMOVED
	EXISTING TIMBER DECK		SLOT DRAIN
	GARDEN AREA		SURFACE DRAINAGE INLET
	LAWN AREA		FALL LINE
	PEBBLED AREA		



NOTE:
CONNECTION TO BACKWASH TO SEWER SHALL COMPLY WITH AUSTRALIAN/NEW ZEALAND STANDARD AS/NZS 3500 AS PER DA CONDITION 10

BASIX REQUIREMENTS	
ALL NEW WORKS SHALL BE INSTALLED IN ACCORDANCE WITH BASIX REQUIREMENTS	
SWIMMING POOL CAPACITY	MAXIMUM CAPACITY 38.13 KILOLITRES
RAINWATER TANK	MINIMUM CAPACITY 995 LITRES

SOFT OPEN SPACE		
	REQUIRED	COMPLY
SITE AREA	841.4 m ²	N/A
MINIMUM SOFT OPEN SPACE (40%)	336.56 m ²	N/A
EXISTING SOFT OPEN SPACE	380 m ²	YES
PROPOSED SOFT OPEN SPACE	338.23 m ²	YES

POOL COPING LEVELS
(RELATIVE TO EXISTING GROUND LEVELS)

- (A) +785mm
- (B) 0mm
- (C) -115mm
- (D) -335mm

For Council use only.
Not for tendering or construction purposes.

SWIMMING POOL SAFETY FENCING & SWIMMING POOL SHALL COMPLY WITH:
-COUNCIL CODES
-BUILDING CODE OF AUSTRALIA
-SWIMMING POOLS ACT 1992-NO. 49
-SWIMMING POOL SAFETY AS 1926.1-1993
-SWIMMING POOL SAFETY AS 1926.2-1995
-SWIMMING POOL SAFETY AS 1926.3-1993
AS APPLICABLE.

PLANT SCHEDULE

ID	Latin Name	Common Name	Quantity	Scheduled Size	Spread	Height
SLA	Syzgium 'Aussie Compact'	Aussie Compact Lilly Pil	12	15L	1500	3000

AMENDMENTS
09/09/10 'A' CHANGES FOR CONSTRUCTION CERTIFICATE

LANDSCAPE MASTER PLAN
NO 6 GORDON STREET, CLONTARF

PREPARED FOR:
MR & MRS A MOORE

DESIGNED BY:
A Total Concept
Landscape Architects & Swimming Pool Designers

65 West Street, North Sydney NSW 2060
Tel: (02) 9957 5122 Fx: (02) 9957 5922 Mob: 0407 245 201
Scale: 1:100 Dwg No: L/01 'A' Date: NOVEMBER 2009



A Total Concept

Landscape Architects & Swimming Pool Designers

85 West Street North Sydney N.S.W. 2060

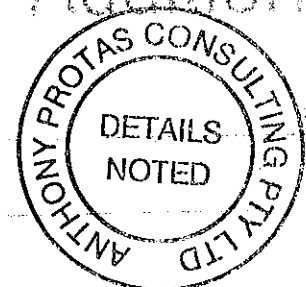
Telephone: (02) 9587 1111 Fax: (02) 9587 1122

Proposed Alterations & Additions

CUSTOMER: Mr & Mrs A MOORE

SITE ADDRESS: No. 8 Gordon Street

CLONTARF N.S.W. 2093



PHONE:

at:

STRUCTURAL DETAILS ONLY

These drawings were prepared by the author for the purpose of the design of the proposed alterations and additions to the existing structure. The author is not responsible for the accuracy of the information provided by the client or for the results of the construction.

U.S.D. MAP No. 197 REF. 8/16

These drawings designed & prepared by

nm

**SWIMMING
POOL
ENGINEERING**

CONSULTING STRUCTURAL ENGINEERS

Unit 11, 444 Macdonald Ave. Ch. Chads Ave. East / Mt. Long. NSW 2146
Phone: (02) 9587 1111 Fax: (02) 9587 1122
Email: a.m.p. @ gpm.com.au

Project No. 101/208

Drawing No. 1/101/208

IMPORTANT: The Specifications set out below are in no way intended to relieve a builder or contractor of his obligation to fully familiarise himself with applicable legislation, current Australian Codes and the Building Code of Australia and they shall be read in conjunction with such legislation and codes. This specification applies to all structural drawings and site instructions issued for this project by the Consulting Structural Engineer.

SPECIFICATIONS

GENERAL

- G1. These drawings shall be read in conjunction with the contract specifications and drawings. Refer discrepancies to the Engineer for decisions.
- G2. Dimensions shall not be obtained from these drawings by scaling. Wall, pier and column thicknesses and structural member sizes shown on these drawings shall take precedence over those shown on the Architect's drawings. The Builder shall verify all dimensions and be responsible for the setting out of the building.
- G3. Elements on these drawings are shown in their intended completed state. The builder shall provide any necessary temporary works including propping, bracing, shoring or any other requirements necessary to maintain any parts of the building, adjacent property or site earthworks, excavations and embankments in a stable condition during construction. Unless stated otherwise, temporary works shall be the builder's responsibility.
- G4. The building shall not be built on, or adjacent to, any of the following hazards unless clearly noted otherwise on these drawings:- embankments or batters, water retaining structures, retaining walls, pits, sewers, service trenches, drainage channels, rivers or any potential source of damage to the structure. If any such hazards are encountered the Engineer shall be notified and his decision obtained before commencement of any work.
- G5. The builder shall locate all existing and proposed services and easements on and adjacent to the site and shall be responsible for damage to same. The approval of the Statutory Authorities and the Engineer shall be obtained before the building or any of its parts are constructed over services.
- G6. The builder shall notify adjoining owners and undertake an agreed dilapidation survey of their properties before commencement of work if retaining structures, excavations or piles are proposed near the site boundaries. Adjoining owners' written permission shall be obtained before commencing underpinning or anchoring work.
- G7. No holes or chases shall be made in any structural element unless shown otherwise on these drawings or with the Engineer's written approval.
- G8. The Engineer shall be given two working days notice for inspections.
- G9. Structural work shown on these drawings has been designed for the following live loads: **1.5 kPa**

FOUNDATIONS

- F1. Footings shall bear on CLAY Having a minimum uniform safe bearing capacity of 300 kPa.
End bearing of piers shall be 600 kPa on ROCK.
- All work shall comply with the Geotechnical Engineer's report if provided.
- F2. Approval shall be obtained for the foundation material to footings before pouring concrete.
- F3. Footing excavations and pier holes shall be kept free of water. If the bearing surface deteriorates or the sides of excavations collapse the contractor shall remove loose or weakened material before concrete is poured.
- F4. Organic material, soft spots, top soil and any other deleterious material shall be removed from footing or slab excavations. Proof roll ground with vibrating roller of suitable dead weight and replace any soft spots under slabs with approved fill. Backfilling under slabs on ground shall consist of material acceptable to the Engineer and shall be compacted in layers not exceeding 150mm thickness to a dry density of at least 95 % standard compaction to AS1289 method E1-1 unless otherwise stated in the soils report. Moisture content of filling shall be maintained within $\pm 2\%$ of optimum. Backfill under footings if required shall be 15 MPa concrete unless noted otherwise.
- F5. Footings shall be founded below the bottom of proposed or existing adjoining service trenches. Footings at down pipes shall be set down to allow turnouts above pad level. The Engineer shall be informed and his written approval obtained for alternative proposals. Excavations shall not be taken below the top of adjoining footings. The Engineer shall be advised and written instructions obtained before deeper excavation is undertaken.
- F6. Backfill to service trenches shall be placed in layers not exceeding 100 thick to at least 95 % standard compaction as note F4.
- F7. Drainage on the earth face of retaining walls if not shown on the drawings shall be a 100mm minimum diameter agricultural pipe line in filter sleeve at footing level laid to a minimum fall of 1:120 and connected to storm water drainage at 6m intervals unless noted otherwise. Backfilling shall be 300mm thickness of graded gravel. Washouts shall be provided at high points.

STRUCTURAL NOTES

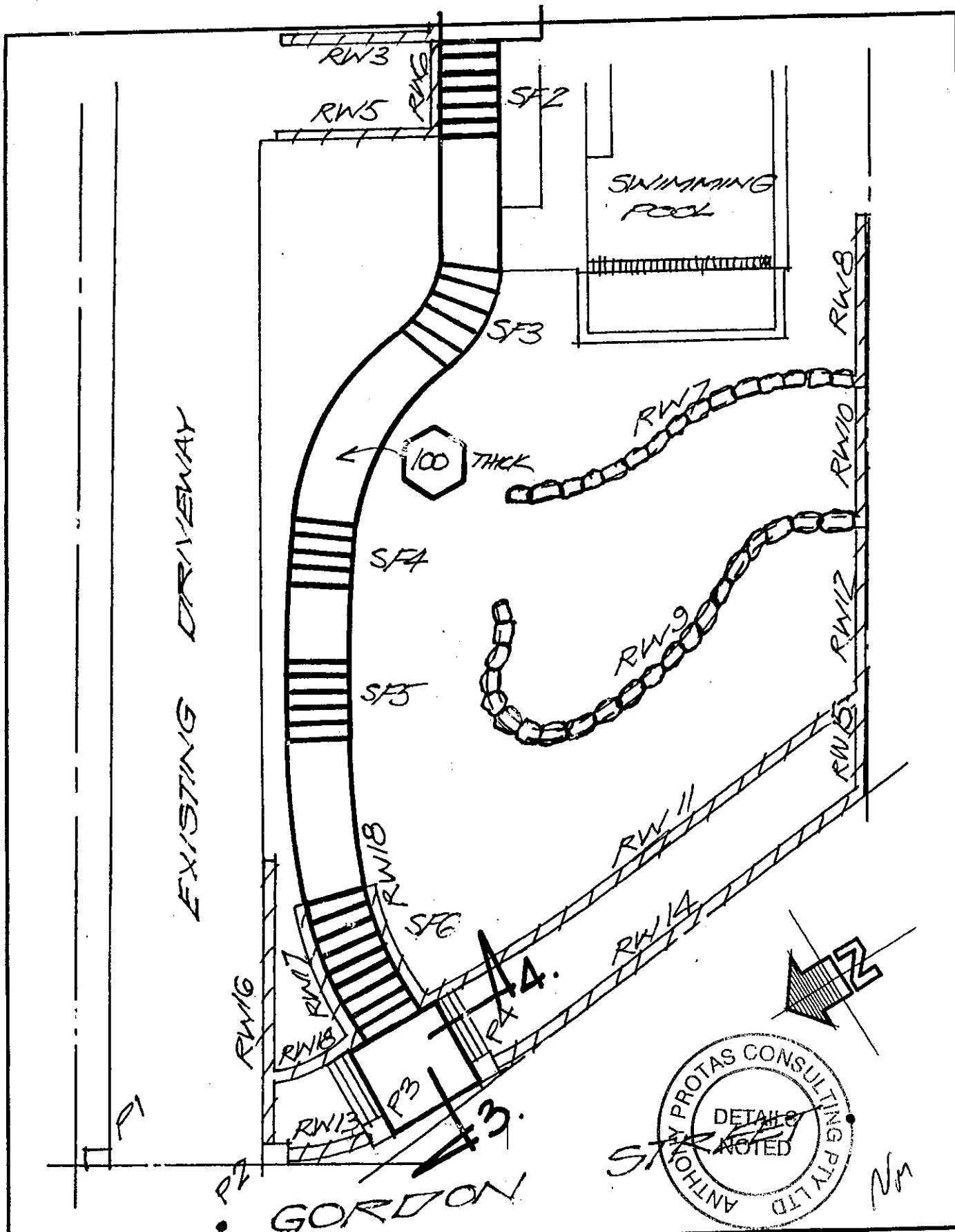
Project: Mr & Mrs A. MOORE at: No. 6 Gordon Street, CLONTARF NSW 2093

SWIMMING POOL ENGINEERING 

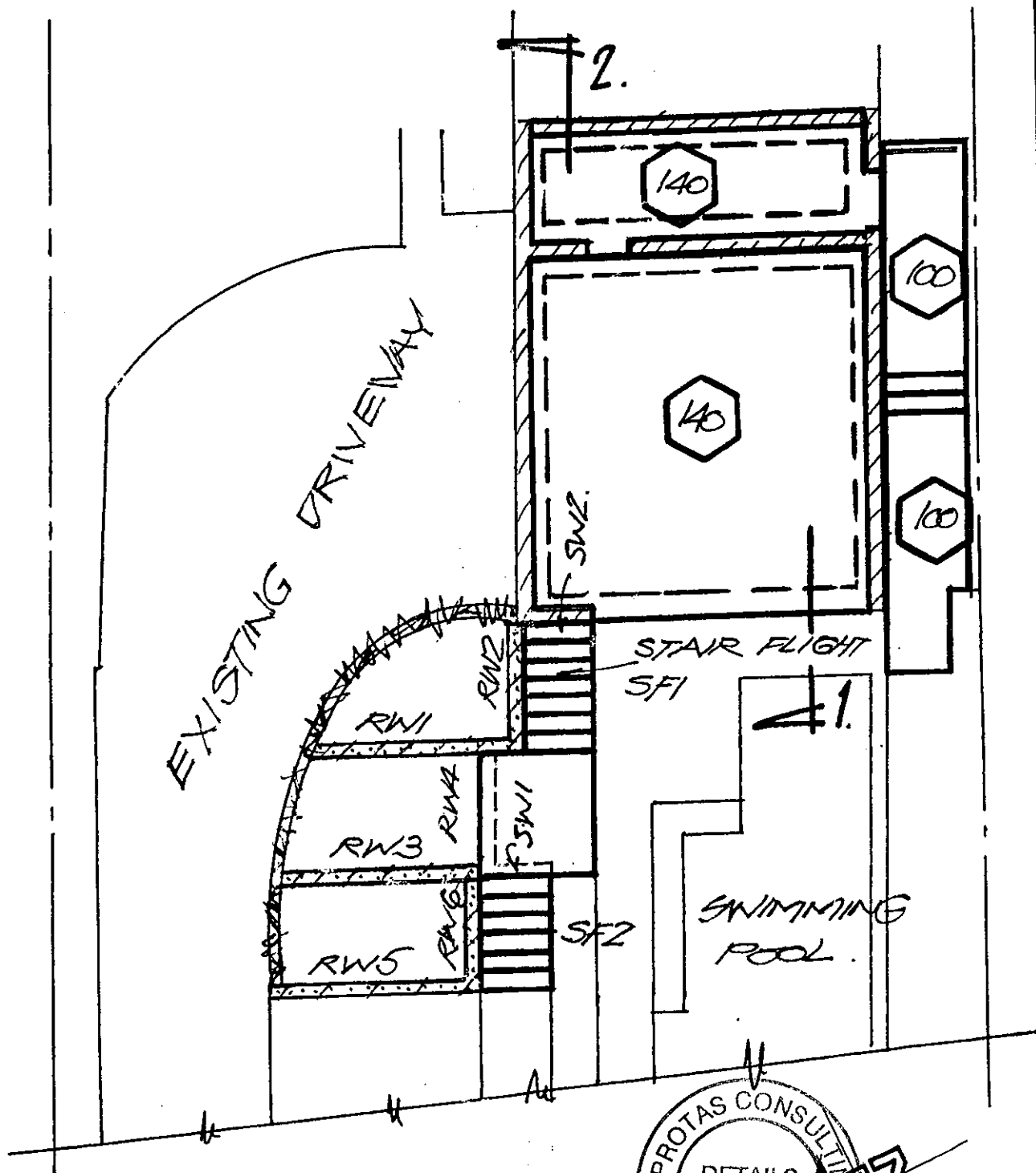
Structural Engineering Consultants Telephone: 9489 4446 - Facsimile: 9489 0767
Shop 10, 44a Hampden Ave., Wahroonga 2076 swimmingpooleng@bigpond.com.au

TCL 256

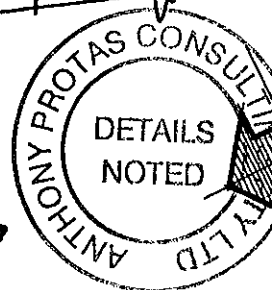
2 OF 14



PART FRONT YARD - PLAN FOR: Mr & Mrs A. MOORE AT: No. 6 Gordon Street, CLONTARF NSW 2093	DATE May, 2010 SCALE 1:100 DRAWN Ace
SWIMMING POOL ENGINEERING Structural Engineering Consultants Telephone: 9489 4446 - Facsimile: 9489 0767 swimmingpooleng@bigpond.com.au	TCL 256 3 OF 14



* CONCRETE STRENGTH
 $F'_c = 25 \text{ MPa}$



PART FRONT YARD - PLAN

FOR: Mr & Mrs A. MOORE

AT: No. 6 Gordon Street, CLONTARF NSW 2093

SWIMMING POOL ENGINEERING

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 swimmingpooleng@bigpond.com.au

DATE May, 2010

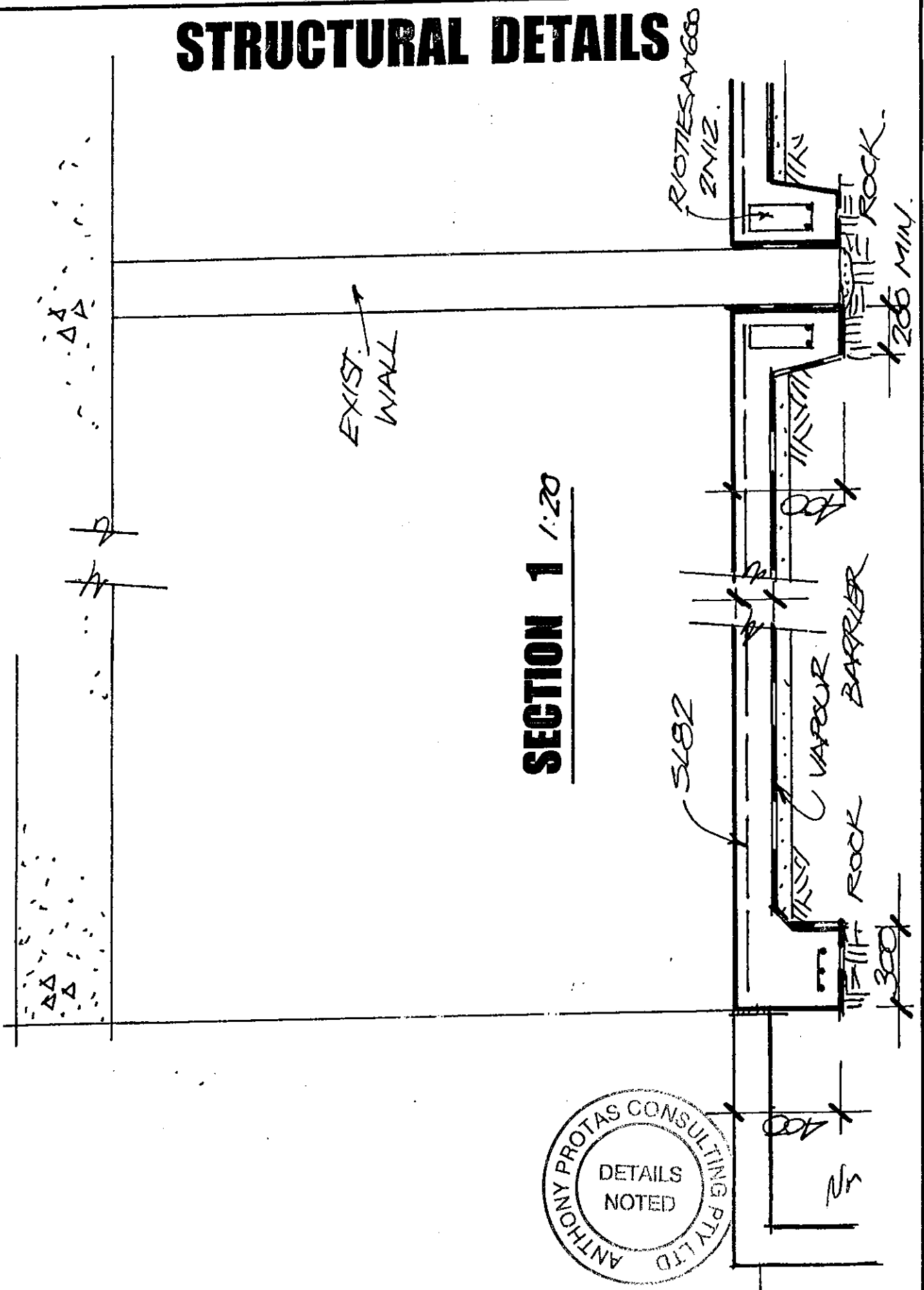
SCALE 1:100

DRAWN Ace

TCL 256

4 OF 14

STRUCTURAL DETAILS



Project: Mr & Mrs A. MOORE at: No 6 Gordon Street, CLONTARF NSW 2093

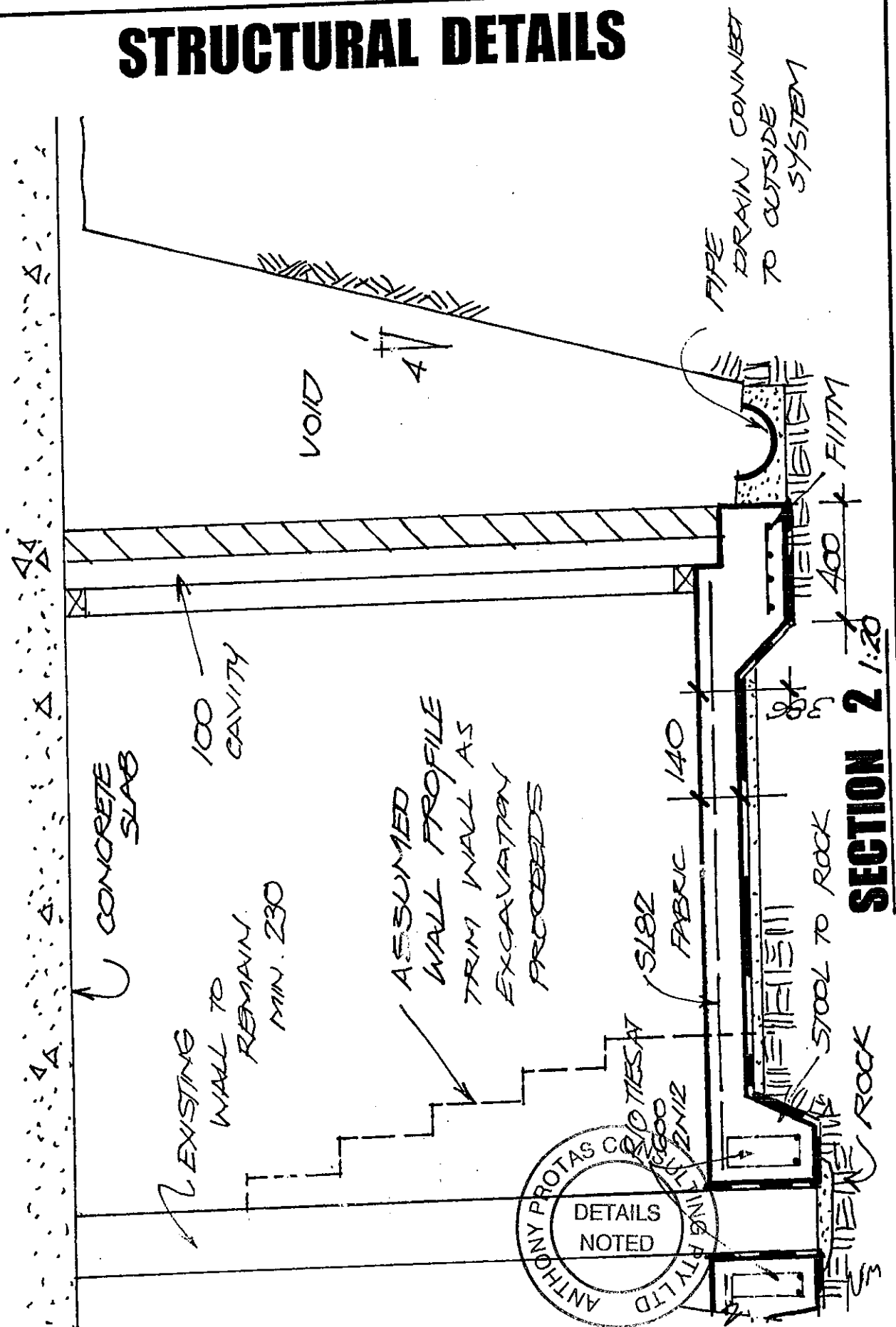
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TCL 256

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STRUCTURAL DETAILS



Project: Mr & Mrs A. MOORE at: No 6 Gordon Street, CLONTARF NSW 2093

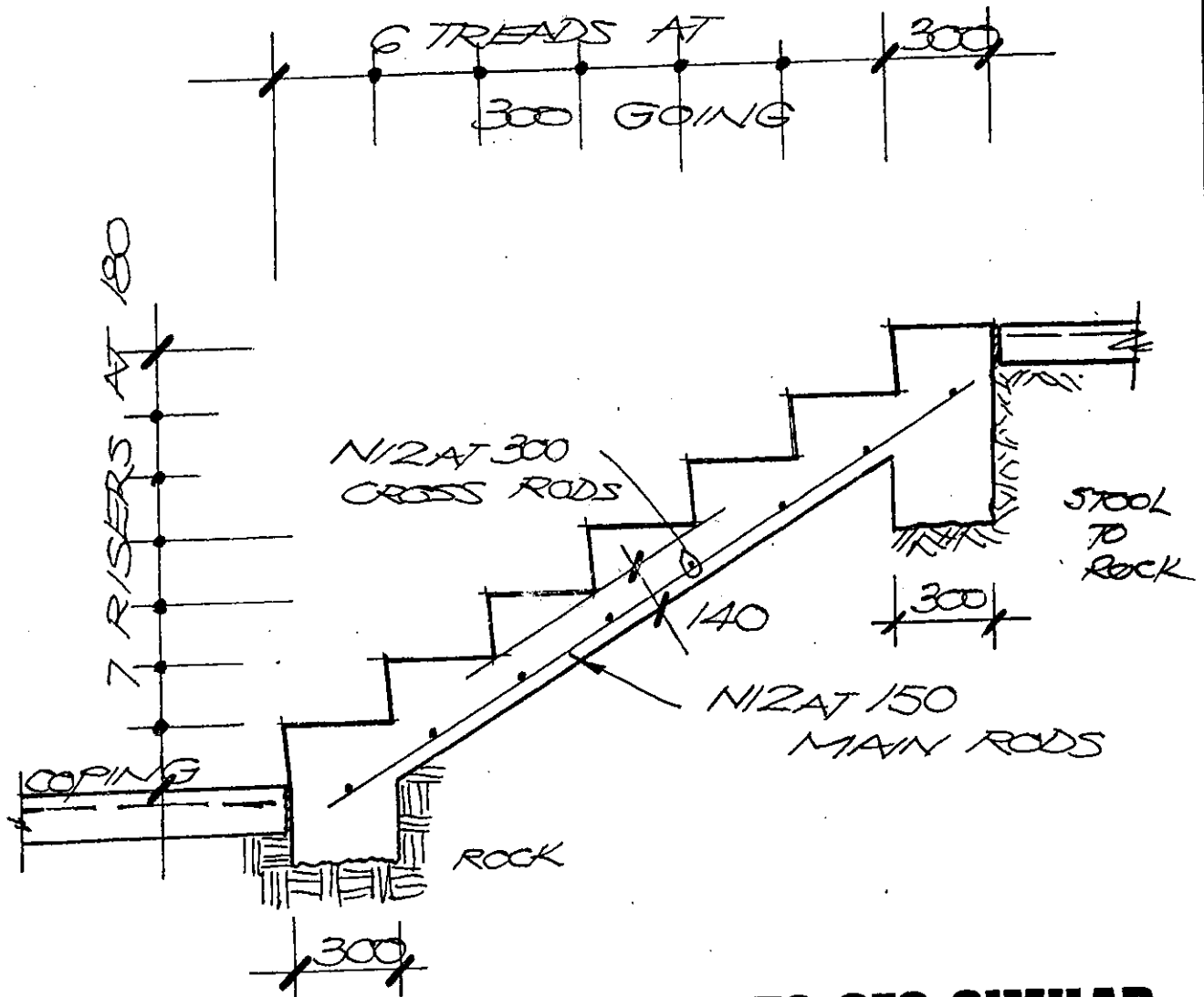
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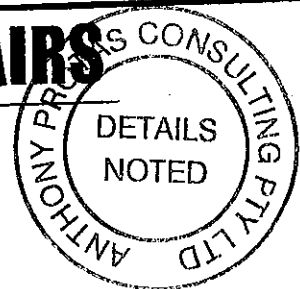
6 of 14

STRUCTURAL DETAILS



SF3 - SF4 TO SF6 SIMILAR
SECTION THROUGH STAIRS

1:20

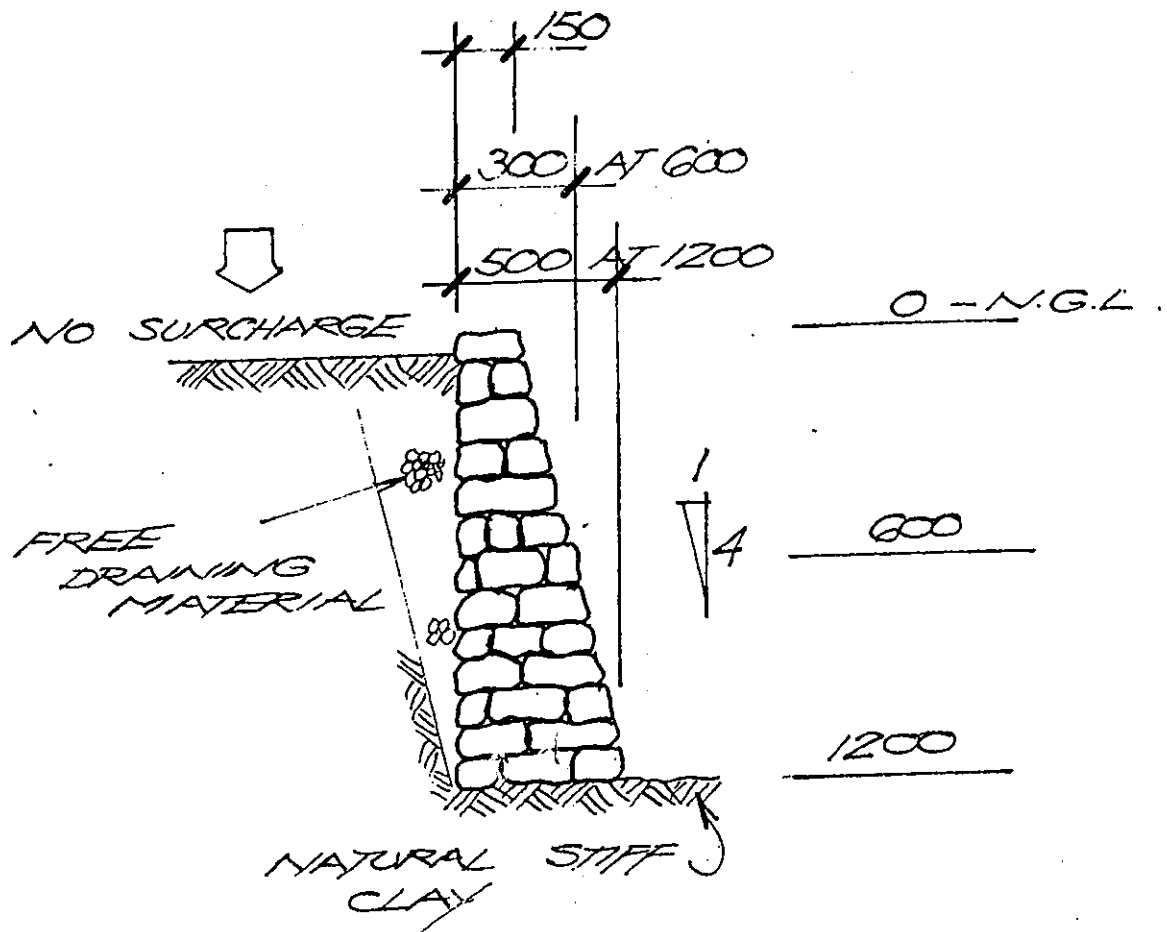


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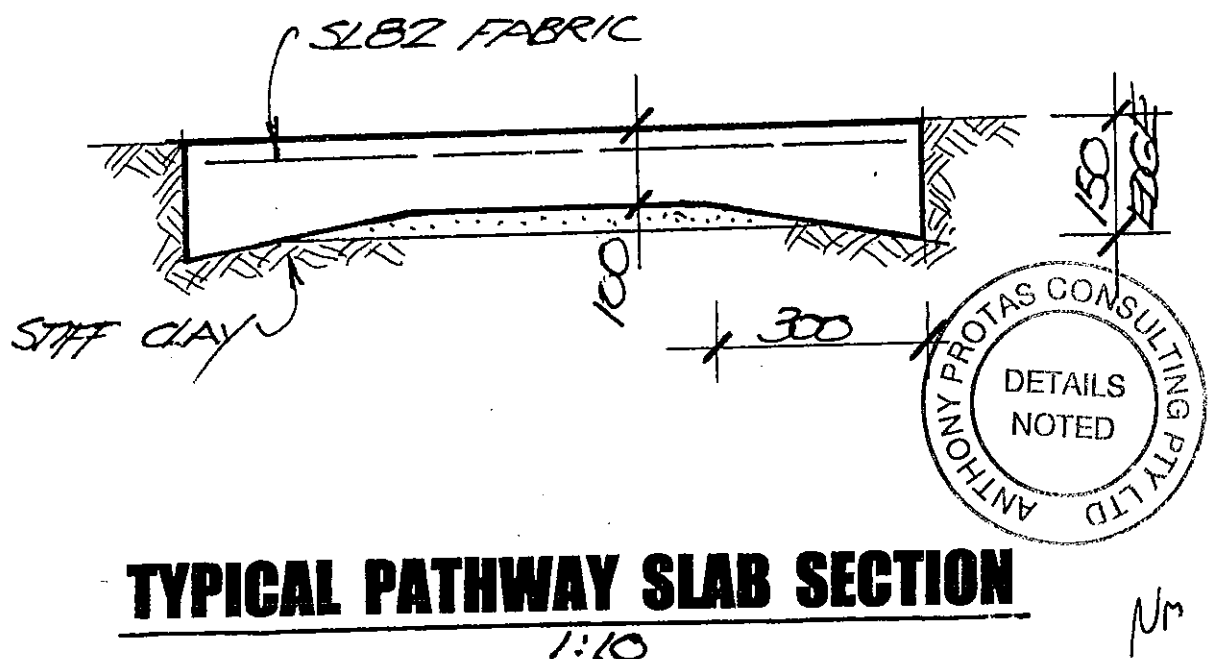
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TYPICAL SECTION - DRY PACKED RUBBLE WALL - SECTION - RW7 & RW9 N.T.S.



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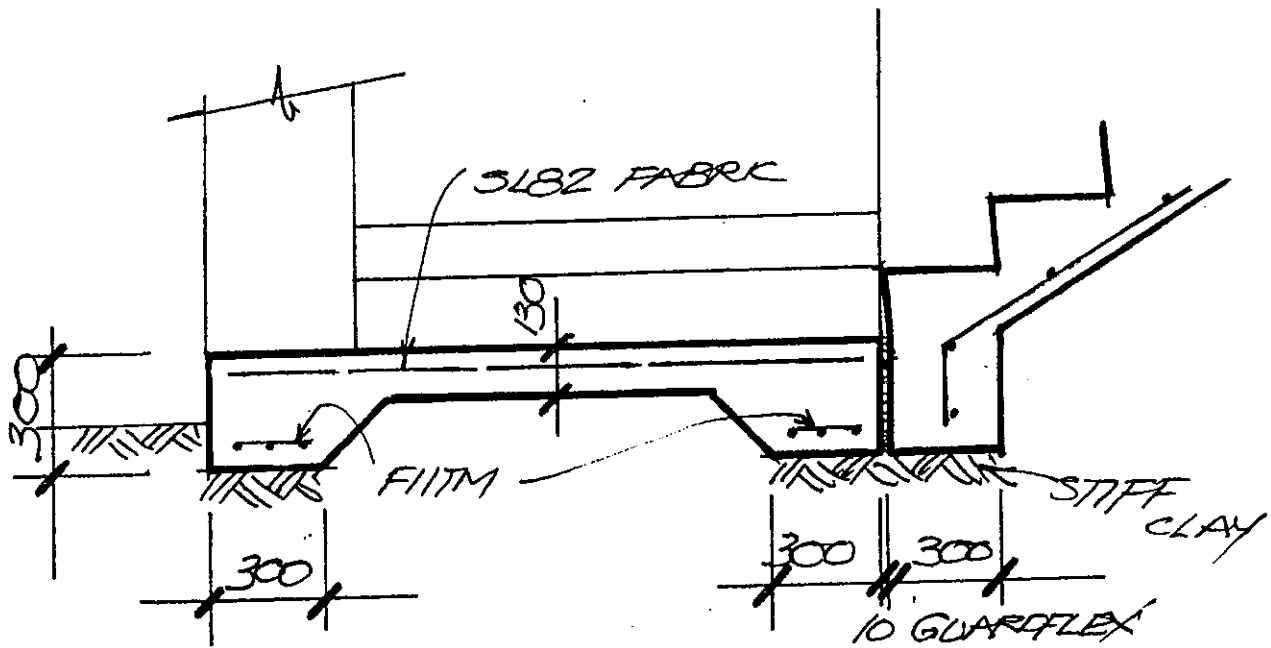
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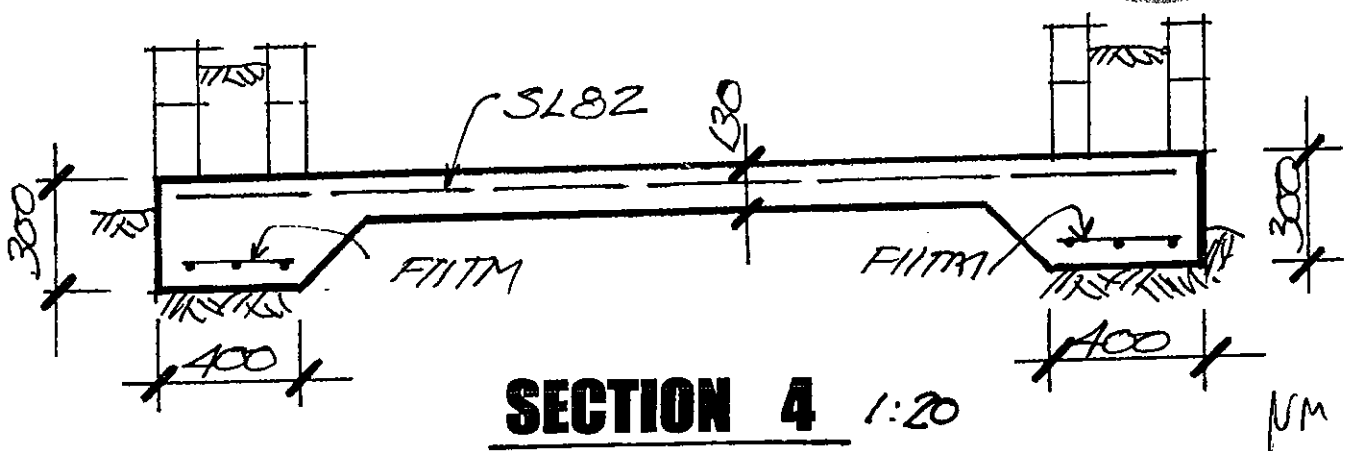
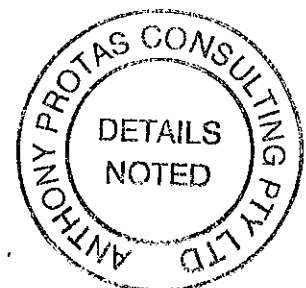
TCL 256

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STRUCTURAL DETAILS



SECTION 3
1:20



SECTION 4 1:20

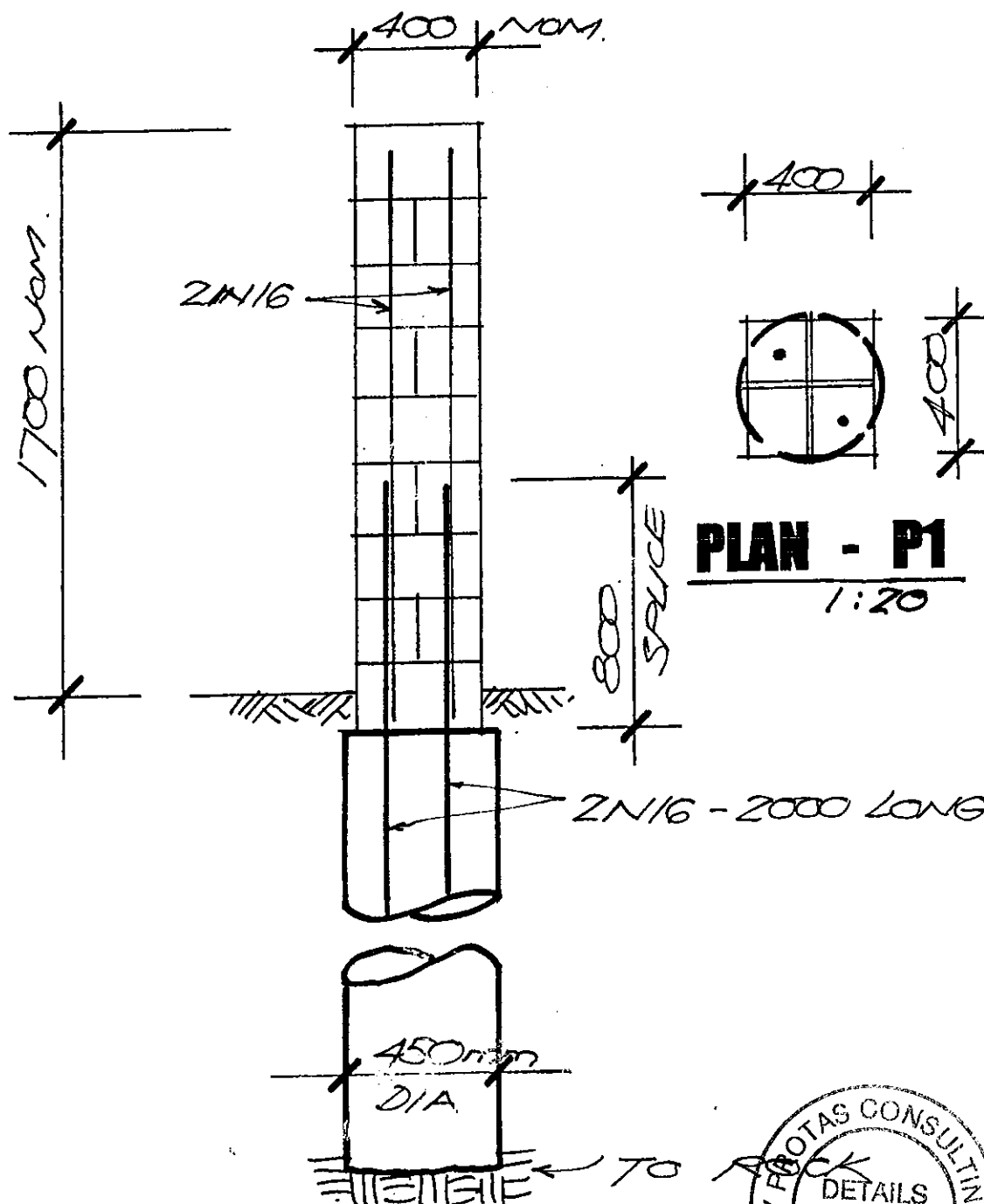
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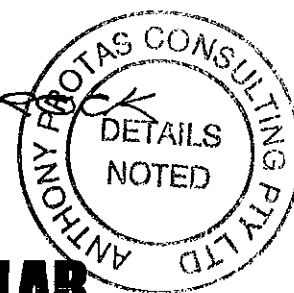
TCL 256
10 OF 14

STRUCTURAL DETAILS



PIER P1 DETAIL - P2 SIMILAR

1:20



NM

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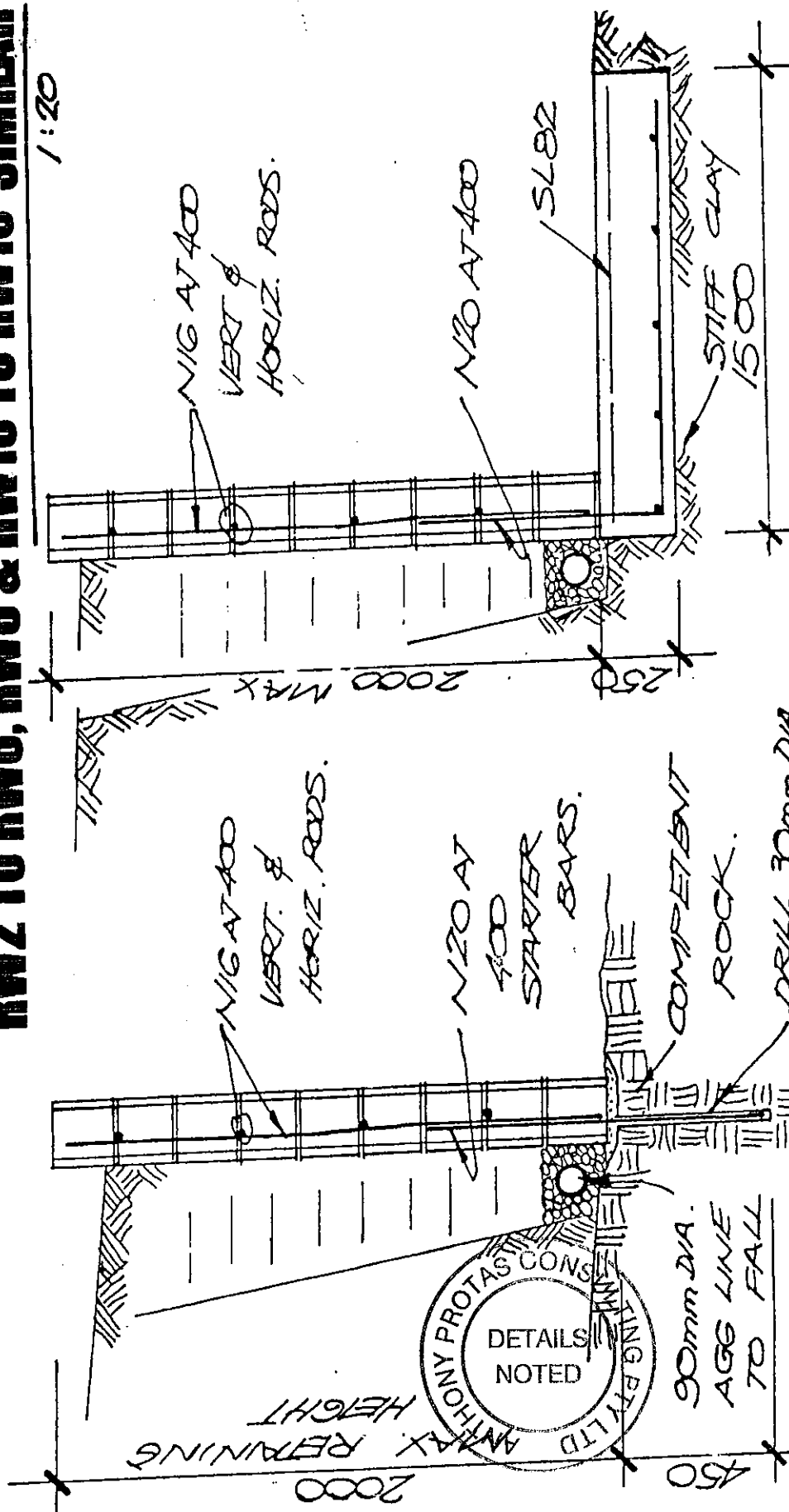
TCL 256

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200mm
Nominal

TYPICAL SECTION RW1 RW2 TO RW6, RW8 & RW10 TO RW18 SIMILAR

1:20



R.C. BLOCK WALL SECTION

ROCK ALTERNATIVE

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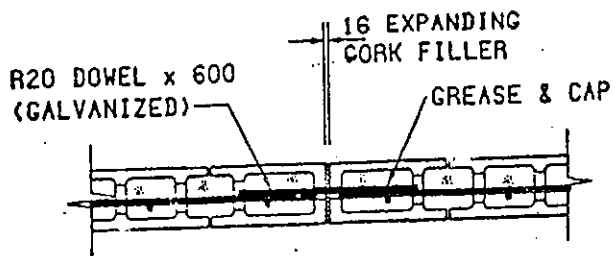
Structural Engineering Consultants Telephone: 9489 4446 - Facsimile: 9489 0767
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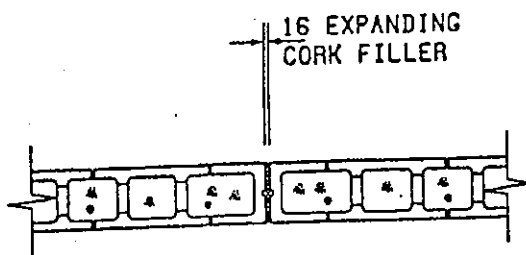
12 OF 14

REINFORCED CONCRETE BLOCK MASONRY

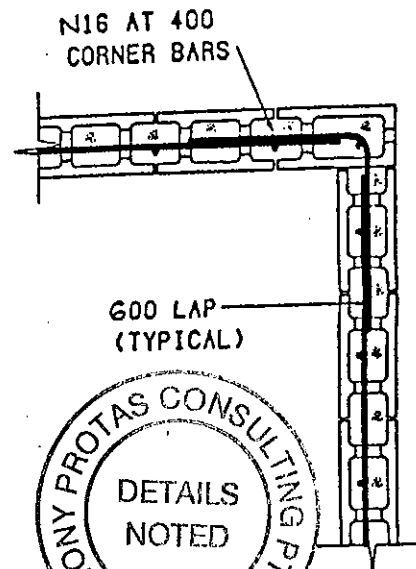
- M1. Blocks shall be Grade 15 and conform to AS/NZS4455. Standard blocks shall not be used. All blocks shall have shallow top grooves for reinforcement. Cleanout blocks shall be provided as the first course.
- M2. Starter bars shall be accurately set out to a string line and template securely fixed in position before the base is poured. Extension bars shall be tied to the starter bars in their correct position before filling cores. Horizontal bars shall be placed well clear of vertical bars to allow correct positioning of extension bars.
- M3. The blockwork shall be set out from the cast in starter bars to accurately ensure 25mm cover to the bars as measured from the inside face of the blockwork unless shown otherwise.
- M4. Workmanship shall comply with AS3700 and units shall have fully bedded face shells.
- M5. Mortar shall be in accordance with AS3700 and have a 2:1:9 cement:lime:sand mix. Provide waterproof additive such as Radmyx by Radcrete Pacific in mortar to manufacturer specification in retaining walls where waterproofing is required.
- M6. Mortar fins shall be removed. Mortar droppings and debris shall be removed before placing vertical reinforcement and filling cores.
- M7. Core filling grout shall be Grade 25 in accordance with the requirements of AS3600 and AS3700 with 10mm maximum aggregate size and 230mm slump. Filling height shall not exceed 2.4m and shall be placed with a pencil vibrator. Provide waterproof additive such as Radmyx by Radcrete Pacific in blockmix to manufacturer specification in retaining walls where waterproofing is required.
- M8. Continuous agricultural pipe drains shall be provided behind all retaining walls and connected into drainage lines at intervals of 6m u.n.o. and at ends of wall in accordance with Note F7.
- M9. Build in control joints at 9m centres unless shown otherwise on the drawings.



REINFORCED COURSE



STANDARD COURSE



CORNER DETAIL

TYPICAL CONTROL JOINT DETAILS

* PROVIDE CONTROL JOINTS AT 9.0 METRE CENTRES

NM

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SWIMMING POOL ENGINEERING

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CONCRETE & REINFORCEMENT

C1. Concrete shall conform to the requirements of AS3600. The maximum size of aggregate shall be 20mm unless shown otherwise. Concrete slump shall not exceed 75mm and shrinkage shall not exceed 630 microstrains at 56 days unless noted otherwise. Cement shall conform to ACSE specifications. Special concrete mixes shall also be in accordance with notes SC1 to SC11.

C2. Reinforcement designations as follows: Symbol Type

- R Plain bars to AS/NZS 4671 (250R)
- N Deformed bars to AS/NZS 4671 (D500N)
- L Deformed mesh to AS/NZS 4671 (D500L)

The number following the symbol is the Bar/Mesh size in mm.

C3. Minimum laps for deformed bars shall be as follows unless noted otherwise:

Bar Diameter	Lap
12	500
16	650
20	800
24	1000
28	1150
32	1300

Mesh 300 (min. 2 crosswires to overlap)

C4. Concrete shall be fully compacted by high frequency mechanical vibrator.

C5. Reinforcement shall be supported on steel chairs and maintained in the position shown on the drawings. Chair spacing shall not exceed 800mm for bars and 600mm for fabric.

C6. Concrete shall be cured for seven days by continuous water spray or weighted plastic membrane and shall at no stage become dry. Curing compounds shall be used only where approved by the Engineer.

C7. Slabs on ground over backfilled service trenches shall be thickened by 50mm for the full width of the trench plus 500mm bearing each side and have additional bottom reinforcement of at least SL92 Mesh with cover as note

C8. In all cases obtain written approval from the Engineer before construction.

C8. Concrete cover to reinforcement / ties shall be in accordance with the following table unless shown otherwise.

Element	Formed & Sheltered	Formed & exposed	No formwork
Top reinforcement			
Slabs & Beams - Simply Supported	20	40	
Slabs Btm Reinforcement - Up to 2 hr fire rated	30	40	40
Continuous Slabs - Btm Reinforcement - Up to 2 hr fire rated	20	40	40
Simply Supported Beams Btm Reinforcement - Up to 2 hr fire rated	30	40	65
Continuous Beams Btm Reinforcement - Up to 2 hr fire rated	30	40	65
Walls - Up to 2 hr fire rated	40	40	65
3 hr fire rated	50	50	65
4 hr fire rated	50	50	65
Columns - Up to 2 hr fire rated	35	40	80

Note: formed & exposed concrete elements within 1 km of the coastline shall be 40MPa concrete with 45 cover to slab reinforcement / beam ties.

C9. Where concrete slabs bear on masonry, including cored bricks, the bearing surface of the masonry shall be rendered with 1:3 cement: sand mortar to give a level surface and a Swan products or similar metal slip joint laid protected by 0.2mm polythene sheet taped to formwork both sides before placing concrete. Special details shall apply for roof slabs. Refer to the Engineer.

C10. Formwork shall conform to the requirements of AS1509 and AS1510.

C11. Distribution bars not shown on the drawings shall be N12 bars at 300mm centres, unless noted otherwise, lapped 500mm where required.

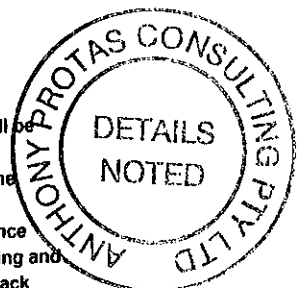
C12. Penetrations and proposed construction joints not shown on drawings shall be approved by the Engineer in writing.

C13. No reinforcement shall be cut or welded on site unless approved by the Engineer. At small holes bars shall be displaced to either side, e.g. plumbing penetrations. These shall be approved by the Engineer.

C14. Non loadbearing studwork shall be separated from slabs and beams by 12mm Caneite or as accepted by the Engineer. Suitable approved materials only shall be used in firewalls and smoke barriers.

C15. Formwork may be stripped when concrete strength has reached 80 % of the design strength or in accordance with AS1509. In both cases the Engineer shall be consulted regarding prevailing temperatures during curing and also requirements for back propping beneath concentrated loads such as stacked bricks. Stripping and back propping to prestressed slabs shall be as directed by the stressing designer.

C16. Brickwork shall not be built on slabs or beams until all supporting formwork has been removed.



Project: Mr & Mrs A. MOORE at: No. 6 Gordon Street, CLONTARF NSW 2093

SWIMMING POOL ENGINEERING

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TCL 256

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A Total Concept

Landscape Architects & Swimming Pool Designers

65 West Street, North Sydney N.S.W. 2060

Telephone: (02) 9957 5122 Facsimile: (02) 9957 5922

Proposed Concrete Swimming Pool

CUSTOMER: Mr & Mrs A. MCORE

SITE ADDRESS: No. 6 Gordon Street,

CLONTARF - N.S.W. 2093

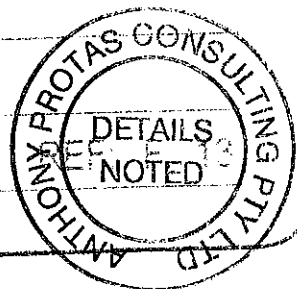
PHONE:

B

STRUCTURAL DETAILS ONLY

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U.B.D. MAP No. 197



These drawings designed & prepared by:

**SWIMMING
POOL
ENGINEERING**

2010 Project No. TCL 255

Drawing No. 1 of 9

CONSULTING STRUCTURAL ENGINEERS

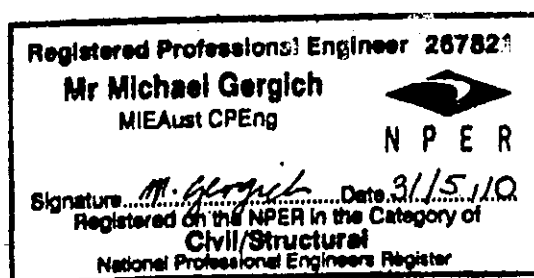
Shop 10, 44A Hampden Ave. (Opp. Gladys Ave.), East Warrungah NSW 2076
PO Box 46, Warrungah NSW 2076 Telephone 9469 4445 Facsimile 9469 1767
E-mail: swimmingpooleng@bigpond.com

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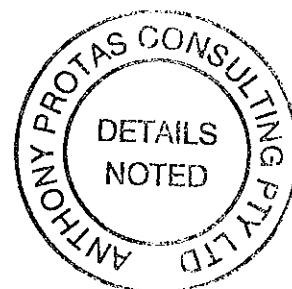
NOTE : For site plan and swimming pool
location refer to drawings prepared
by **A Total Concept** - Landscape Architects
& Swimming Pool Designers - Ph: 9957 5122

In our opinion the structural details shown
on this set of plans, TCL 255 - 1 to 9 have
been designed in accordance with the
current Australian Standards and conform
with the structural engineering requirements
of the Building Code of Australia.

For and on behalf of
SWIMMING POOL ENGINEERING

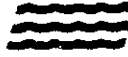


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STRUCTURAL DETAILS ONLY

Project: Mr & Mrs A. MOORE at: No. 6 Gordon Street, CLONTARF NSW 2093

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swimmingpooleng@bigpond.com.au

TCL 255
2 OF 9

[illegible]

ANTHONY PROTA CONSULTING PTY LTD
RTP
Legat
on s
Retu
Date: DETAILS NOTED

HRV	- Hydrostatic Relief Valve	DE	- Deep End	ST	- Steps
RTP	- Return to Pool Line	SE	- Shallow End	B	- Beach Area
S	- Skimmer Box	SL	- Swimout Ledge	W	- Wading Area

Indicates approximate height of coping above/below existing ground levels

SWIMMING POOL - PLAN

AT: No. 6 Gordon Street, CLONTARF NSW 2093

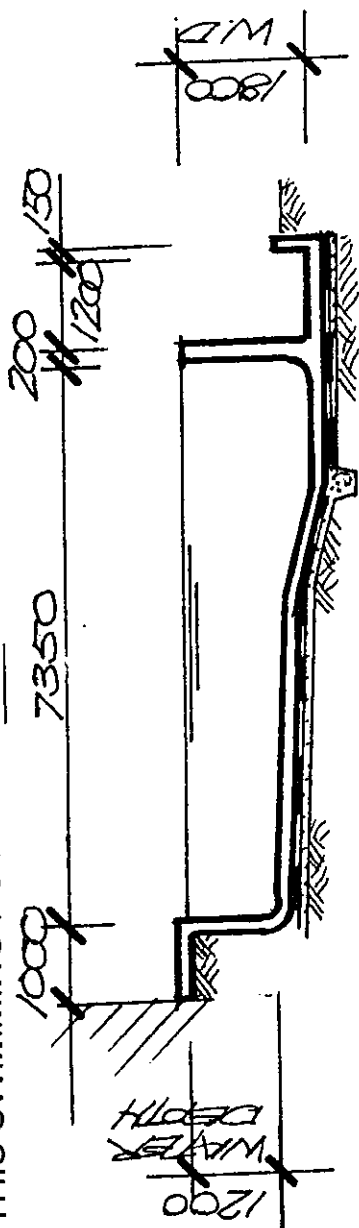
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Structural Engineering Consultants Telephone: 9489 4446 - Facsimile: 9489 0767
swimmingpooleng@bigpond.com.au

DRAWN *Ace*

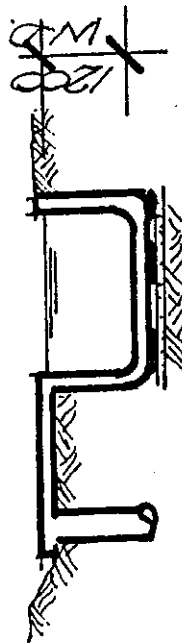
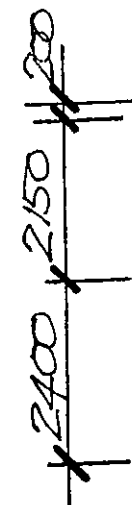
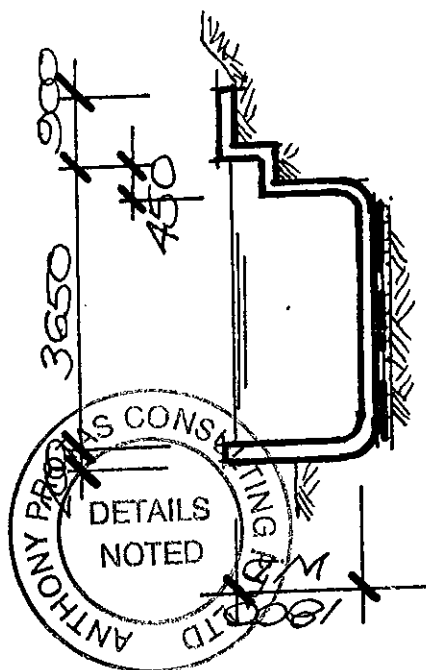
TCL 255
3 OF 9

DIAGRAMMATIC POOL SECTIONS

THIS SWIMMING POOL HAS NOT BEEN DESIGNED FOR DIVING



LONGITUDINAL POOL SECTION



SHALLOW END SECTION

DEEP END SECTION

SWIMMING POOL - SECTIONS

FOR: Mr & Mrs A. MOORE

AT: No.6 Gordon Street, CLONTARF NSW 2093

SWIMMING POOL ENGINEERING

Structural Engineering Consultants Telephone: 9489 4446 - Facsimile: 9489 0767
swimmingpooleng@bigpond.com.au

DATE May, 2010

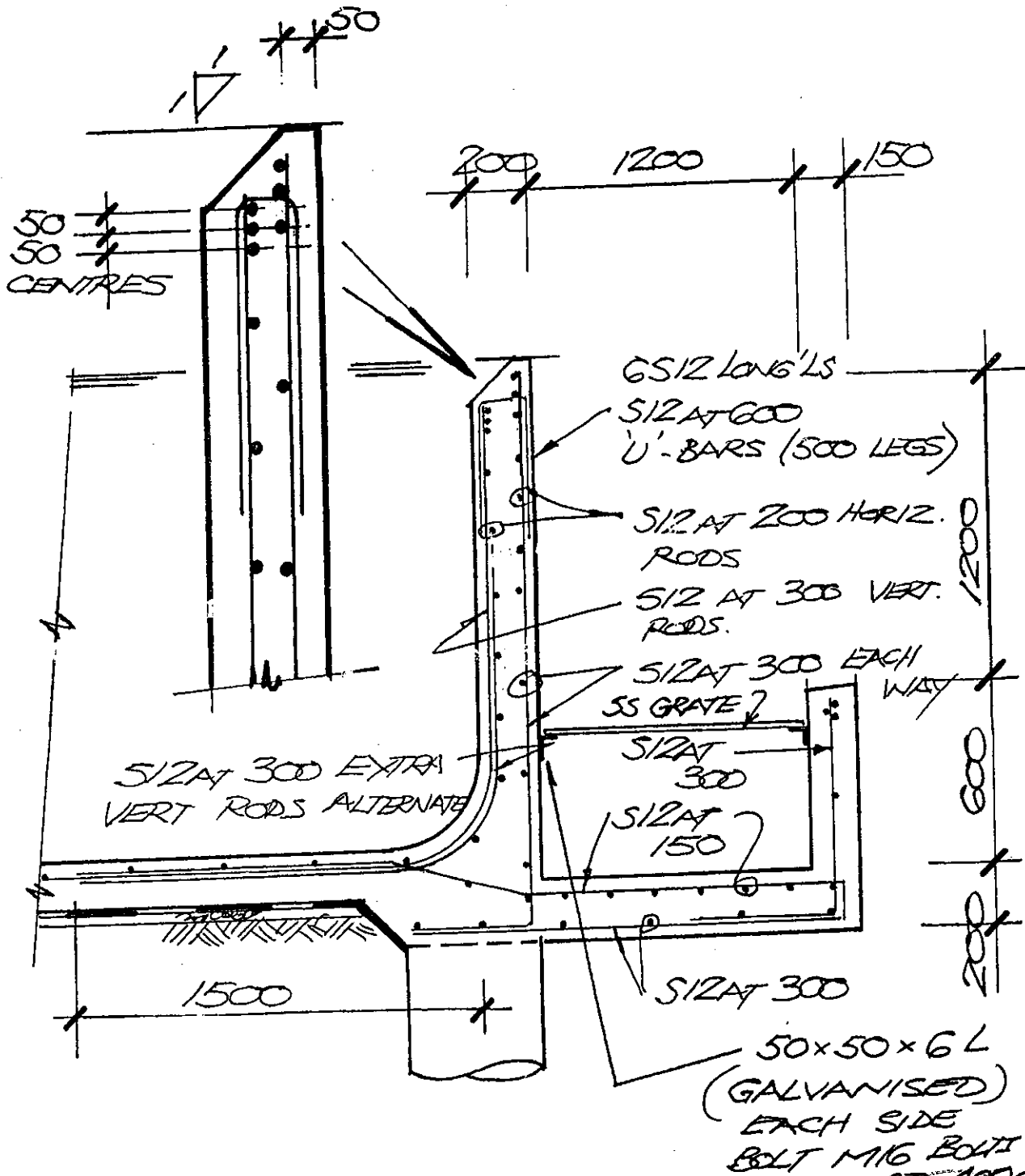
SCALE 1:50

DRAWN Ace NM

TCL 255

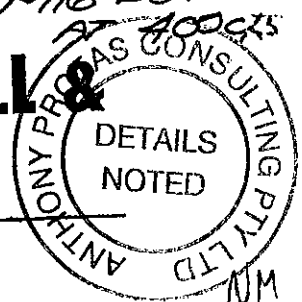
4 OF 9

STRUCTURAL DETAILS



SECTION - POOL, WEIR WALL & SPILLWAY TANK

1:20

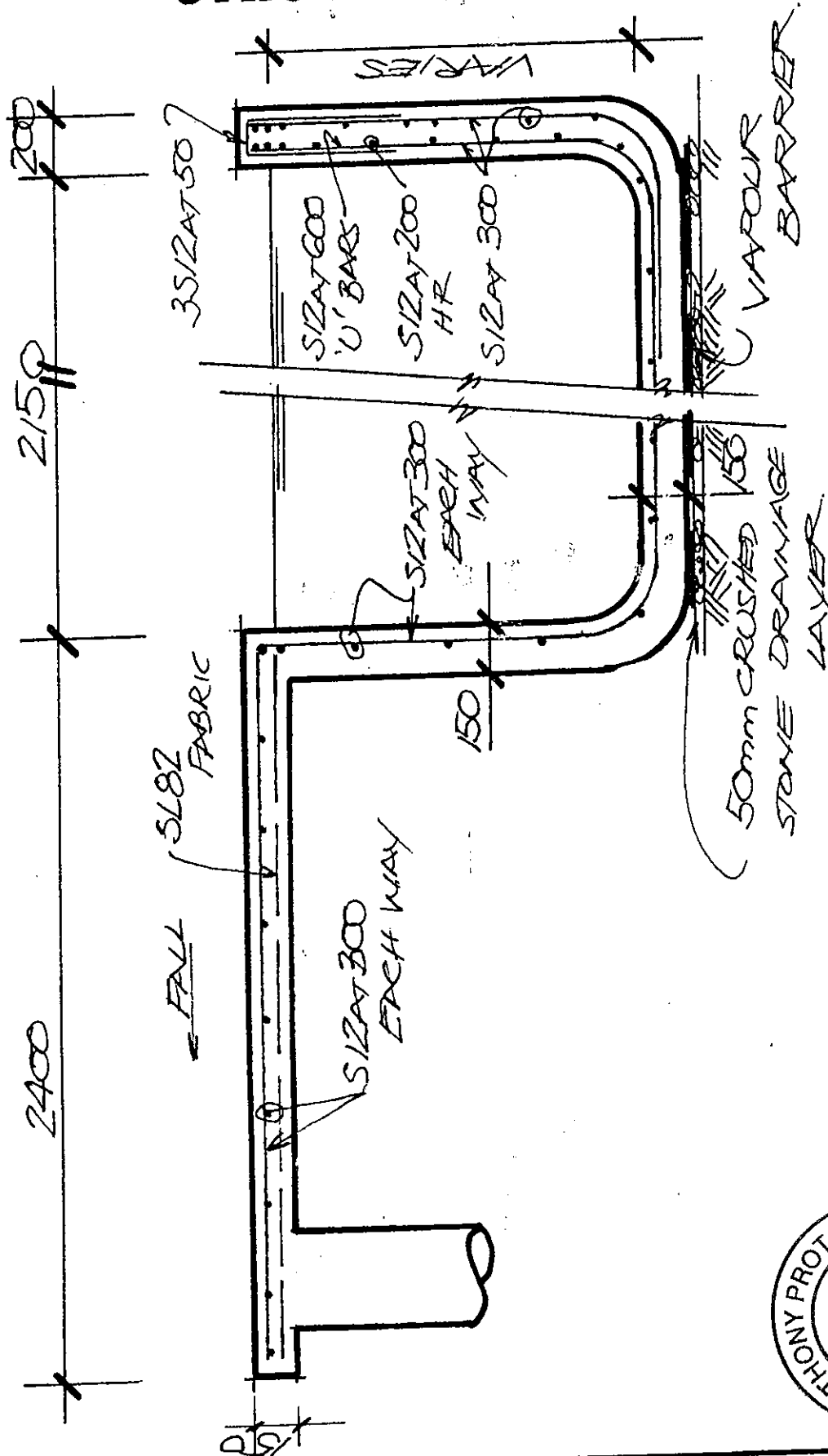


Project: Mr & Mrs A. MOORE at: No 6 Gordon Street, CLONTARF NSW 2093

SWIMMING POOL ENGINEERING
 Structural Engineering Consultants Telephone: 9489 4446 - Facsimile: 9489 0767
 Shop 10, 44a Hampden Ave., Wahroonga 2076 swimmingpooleng@bigpond.com.au

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STRUCTURAL DETAILS



SECTION - EXTENDED COPING & POOL WALL

1:20

NM

Project: Mr & Mrs A. MOORE at: No 6 Gordon Street, CLONTARF NSW 2093

SWIMMING POOL ENGINEERING

Structural Engineering Consultants Telephone: 9489 4446 - Facsimile: 9489 0767
Shop 10, 44a Hampden Ave., Wahroonga 2076 swimmingpooleng@bigpond.com.au

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SWIMMING POOL GENERAL NOTES

- G1 All workmanship and materials to be in accordance with the requirements of the current Australian Standards, the Building Code of Australia and by Laws and Ordinances of the relevant building Authority. This design complies with AS2783 - 1992 Concrete Swimming Pools Code and AS3600 - 1992 Concrete Structures.
- G2 Overall dimensions are to be checked and verified on site by the builder. Dimensions shown are concrete sizes and do NOT include finishes. Any discrepancies or variations are to be referred to the engineer.
Contract documents - pool size dimensions prevail.
- G3 Walkways have been designed for a distributed load of 3kPa and a line load of .3Kn/m.
No additional load shall be applied without approval from the engineer.
- G4 During construction the structure shall be maintained in a stable condition and NO part shall be overstressed.
- G5 The walls of the pool have been designed to project ~~50mm~~ **100mm** above natural ground or sound supporting material.

DO NOT SCALE THESE DRAWINGS

FOUNDATIONS

- F1 Foundation material shall be uniform and have a minimum safe bearing capacity of:
~~100 kPa on Sand~~ - 300 kPa on Stiff Clay - ~~1000 kPa on Rock~~
- F2 Any variation in foundation conditions or material from that assumed in F1 above shall be referred to a Geotechnical Engineer or the Structural Engineer.
- F3 Excavation shall not be made within 2m of any existing structure without prior approval or recommendations for shoring or underpinning from the Structural Engineer.

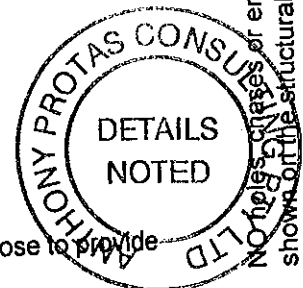
REINFORCEMENT

- R1 All reinforcing steel to be fixed by an approved method and supported on appropriate sized chairs. Chair spacing shall not exceed 800mm for bars and 600mm for fabric. Minimum lap 500mm.
- R2 Reinforcement symbols
S - denotes deformed grade 250 bars - R - denotes plain round grade 250 bars
N - denotes deformed grade 500 bars - SL - denotes grade 450 welded wire fabric
The number immediately following the symbol above is the bar diameter in millimetres

CONCRETE

- C1 The mix shall be proportioned to produce a minimum 28 day compressive strength according to it's exposure classification and suitable for pneumatic application.
Concrete shall have an exposure classification as follows:
- | | |
|---|---------------|
| Inland, more than 50km from large expanses of water - | A1 - 25 MPa |
| Near Coastal, 1km to 50km from large expanses of salt water - | B1 - 25 MPa ✓ |
| Coastal, within 1km of large expanses of salt water - | B2 - 32 MPa |
| In Tidal or Splash Zone, of salt water (sea water pool) - | C - 40 MPa |
- C2 **NO Fly Ash** shall be added to the 25Mpa Concrete mix. Fly ash may be added to a maximum 40kg/m3 to the 40MPa concrete mix. Engineer to approve the mix.
- C3 Concrete cover shall be as follows unless noted otherwise:
- | | |
|-----------------------------------|------------------------------|
| Walls and floor | - 50mm from water face |
| | - 60mm from earth face |
| Faces exposed to aggressive water | - 70mm |
| Cantilevered walkways | - 40mm from finished surface |
| Pipes and conduit | - 50mm all round |
- C4 Concrete shall be moist cured for 7 days after placement by use of a soaker hose to provide constant wetting or cover with plastic and keep moist.

No holes, cracks or embedments of pipes other than those shown on the structural drawings shall be made in concrete members without prior written approval of the Engineer.
CAUTION TO FENCING CONTRACTORS

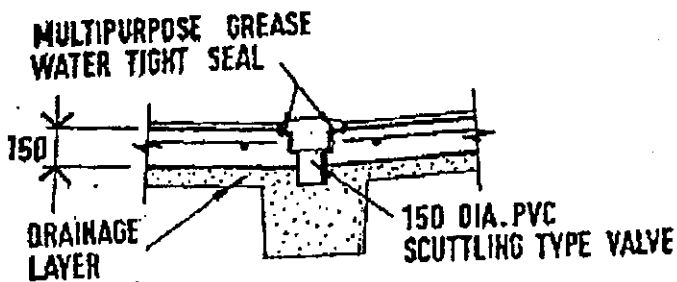


EMPTYING POOL - Pool to be fitted with a hydrostatic relief valve to safeguard against possible flotation due to build up of water pressure under the pool when swimming pool is empty. **Always seek approval from the swimming pool builder or structural engineer before emptying the pool.**

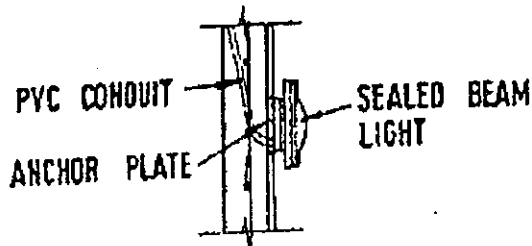
SWIMMING POOL ENGINEERING 

Structural Engineering Consultants Telephone: 9489 4446 - Facsimile: 9489 0767
swimmingpooleng@bigpond.com.au

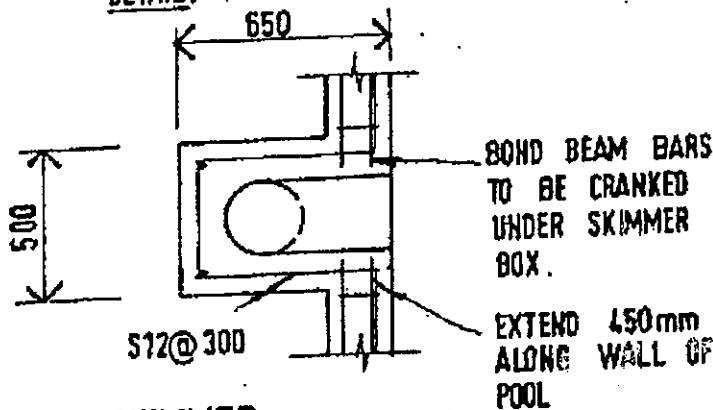
TCL 255
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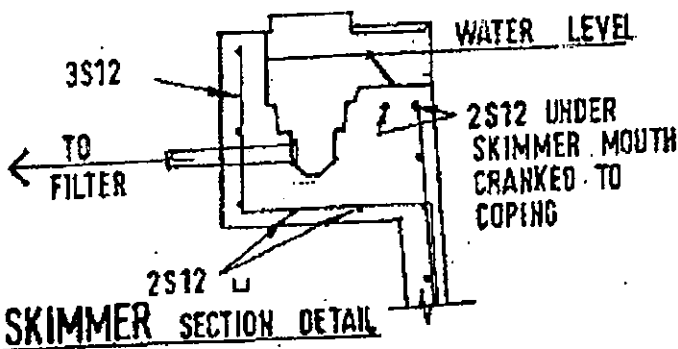
**HYDOSTATIC RELIEF
VALVE DETAIL**



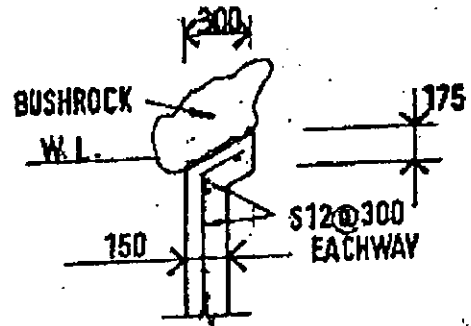
**UNDERWATER LIGHT
DETAIL. WHERE APPLICABLE**



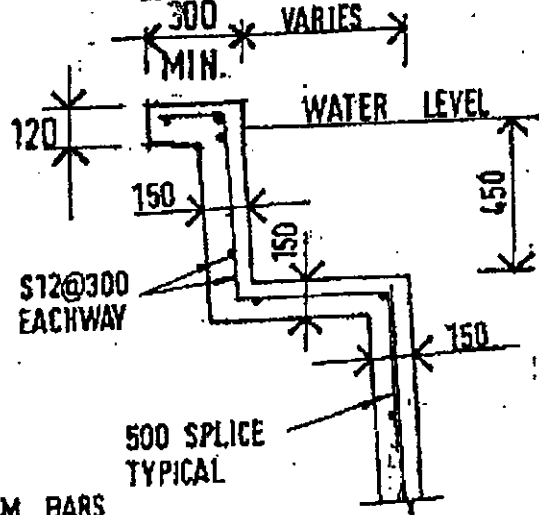
SKIMMER PLAN DETAIL



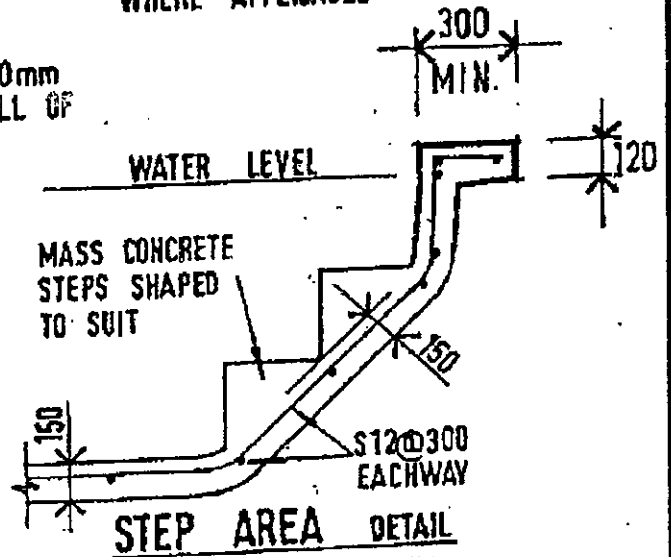
SKIMMER SECTION DETAIL



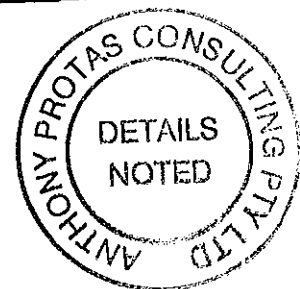
**BUSHROCK COPING
DETAIL. WHERE APPLICABLE**



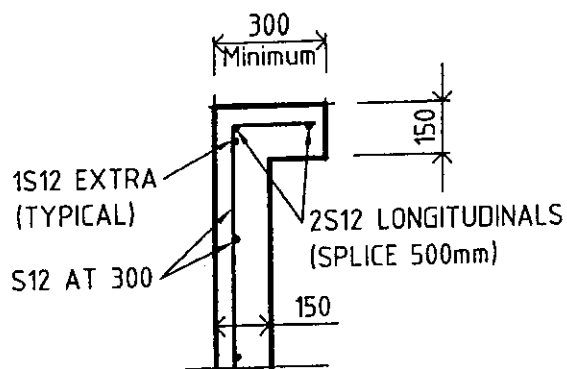
**SWIMOUT DETAIL
WHERE APPLICABLE**



STEP AREA DETAIL

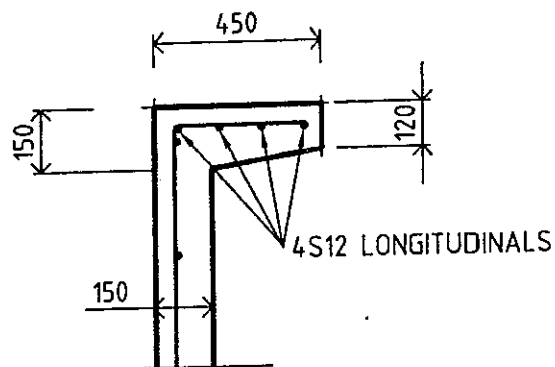


NM



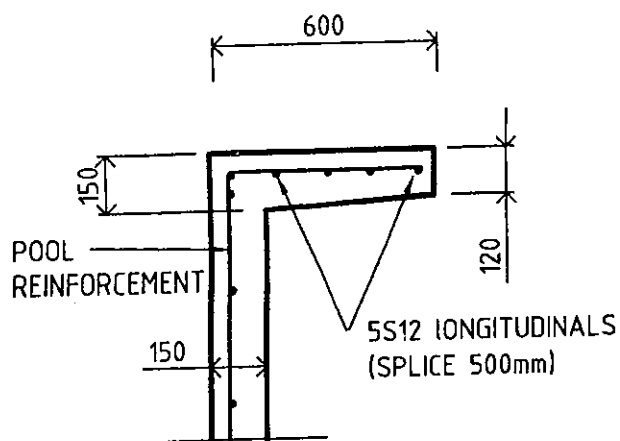
300mm Coping

DETAIL 1:20



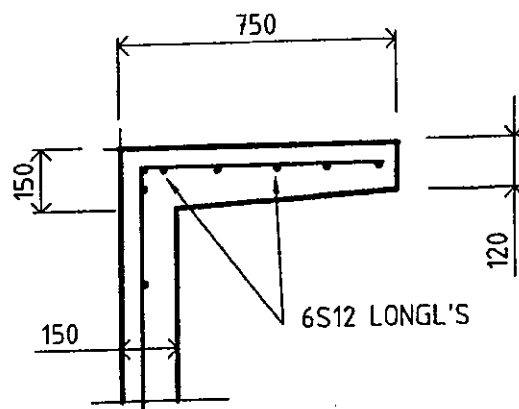
400-450mm

DETAIL 1:20



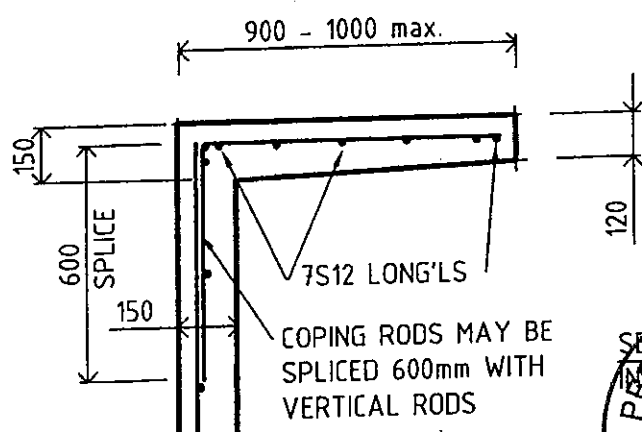
600mm

DETAIL 1:20



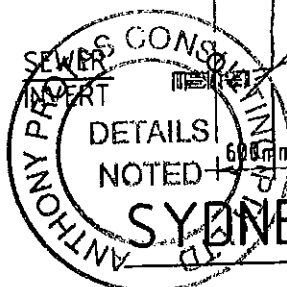
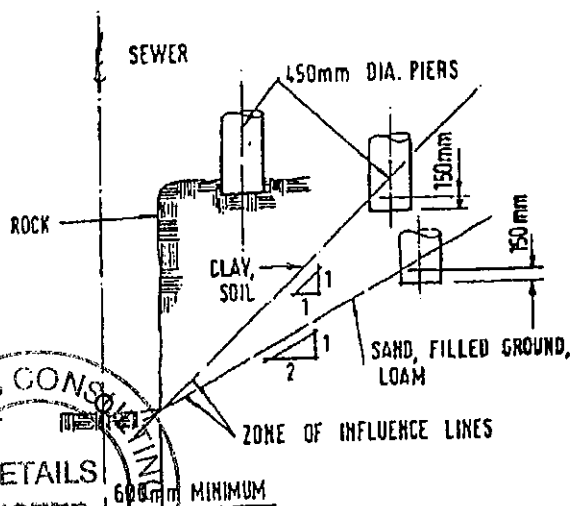
750mm

DETAIL 1:20



900mm-1000mm

DETAIL 1:20



SYDNEY WATER

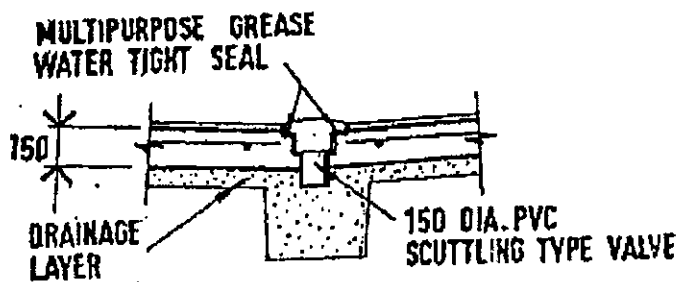
TYPICAL SEWER REQUIREMENTS

SWIMMING POOL ENGINEERING

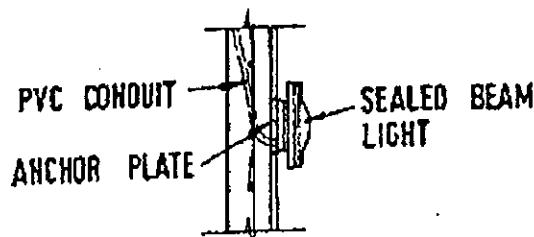
Structural Engineering Consultants Telephone: 9489 4446 - Facsimile: 9489 0767
swimmingpooleng@bigpond.com.au

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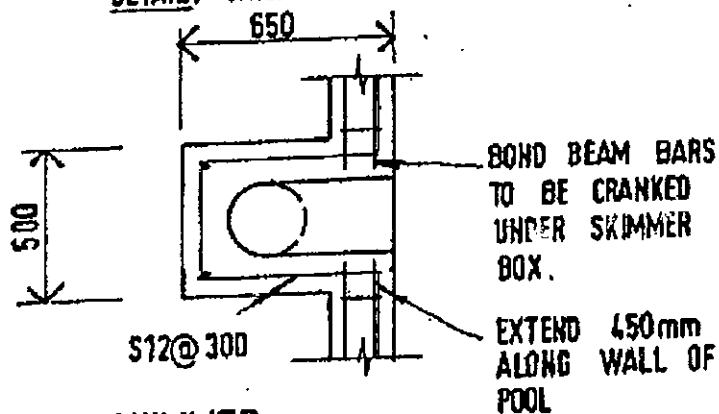
9 OF 9



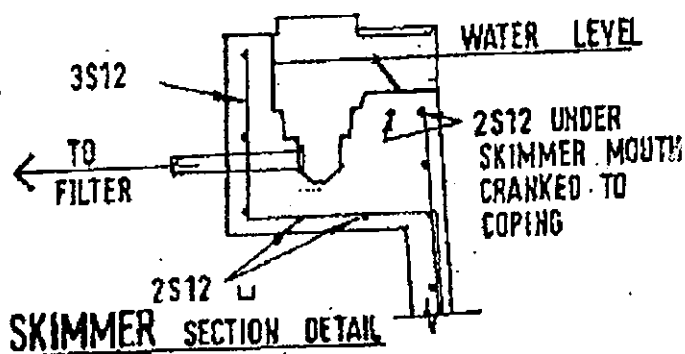
**HYDROSTATIC RELIEF
VALVE DETAIL**



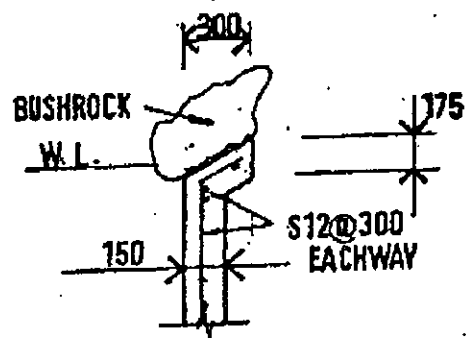
**UNDERWATER LIGHT
DETAIL, WHERE APPLICABLE**



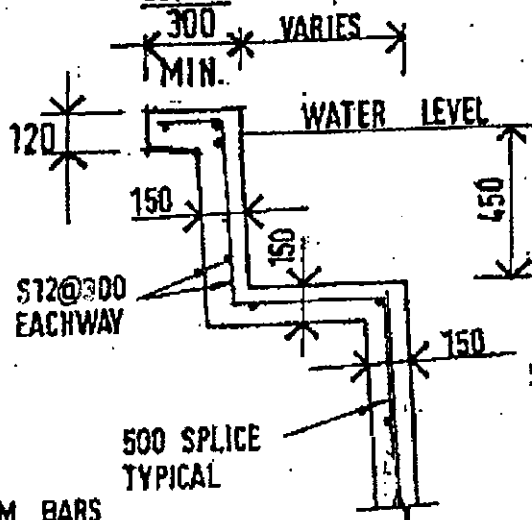
SKIMMER PLAN DETAIL



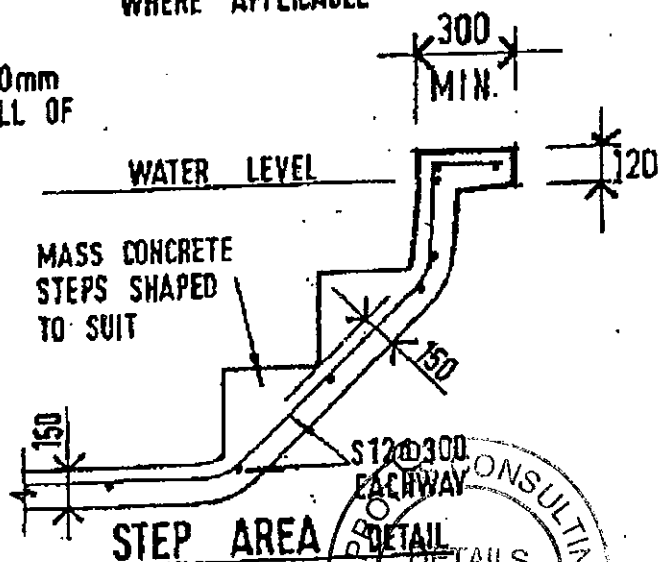
SKIMMER SECTION DETAIL



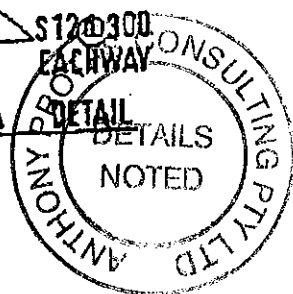
**BUSHROCK COPING
DETAIL, WHERE APPLICABLE**



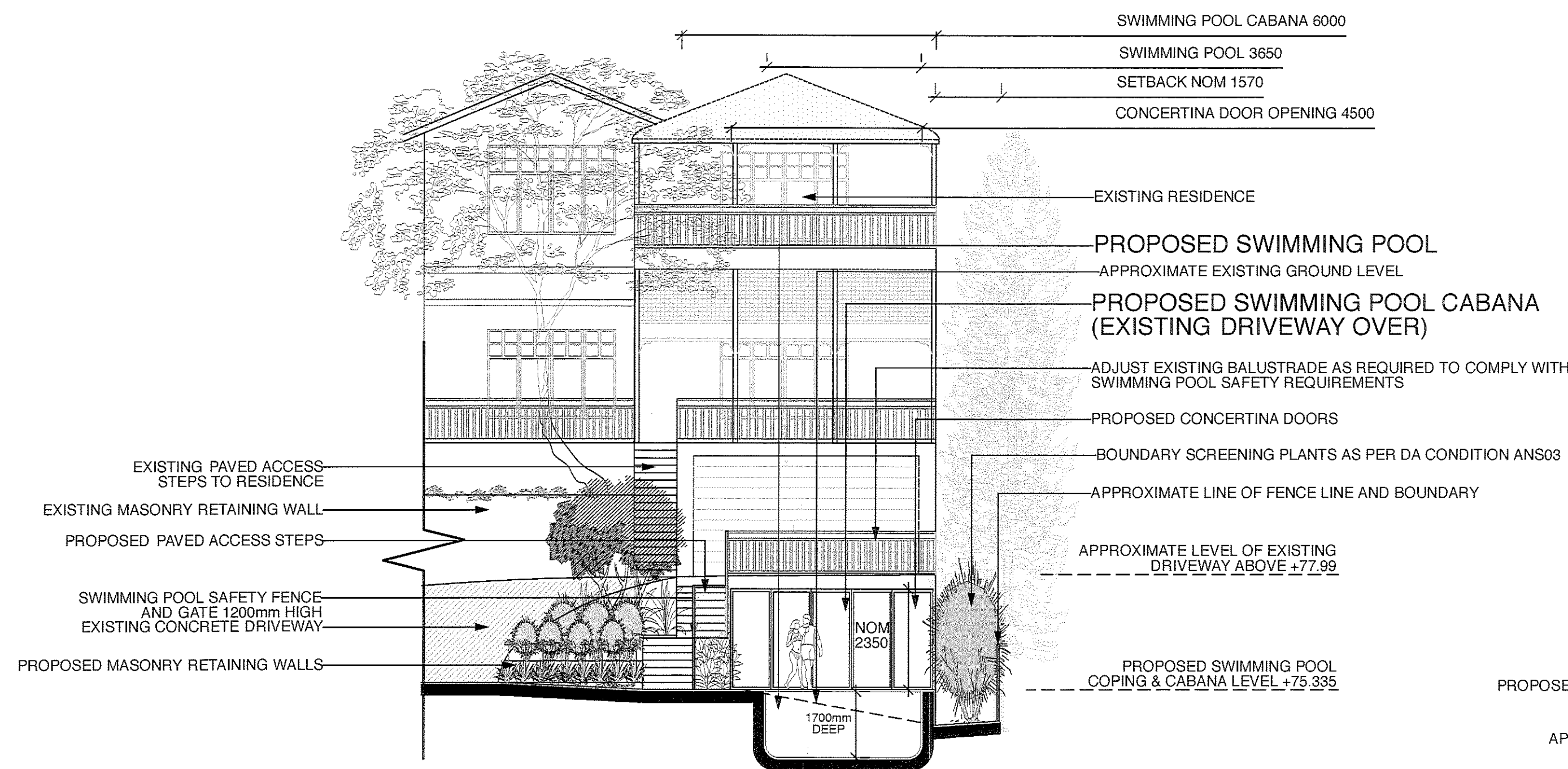
**SWIMOUT DETAIL
WHERE APPLICABLE**



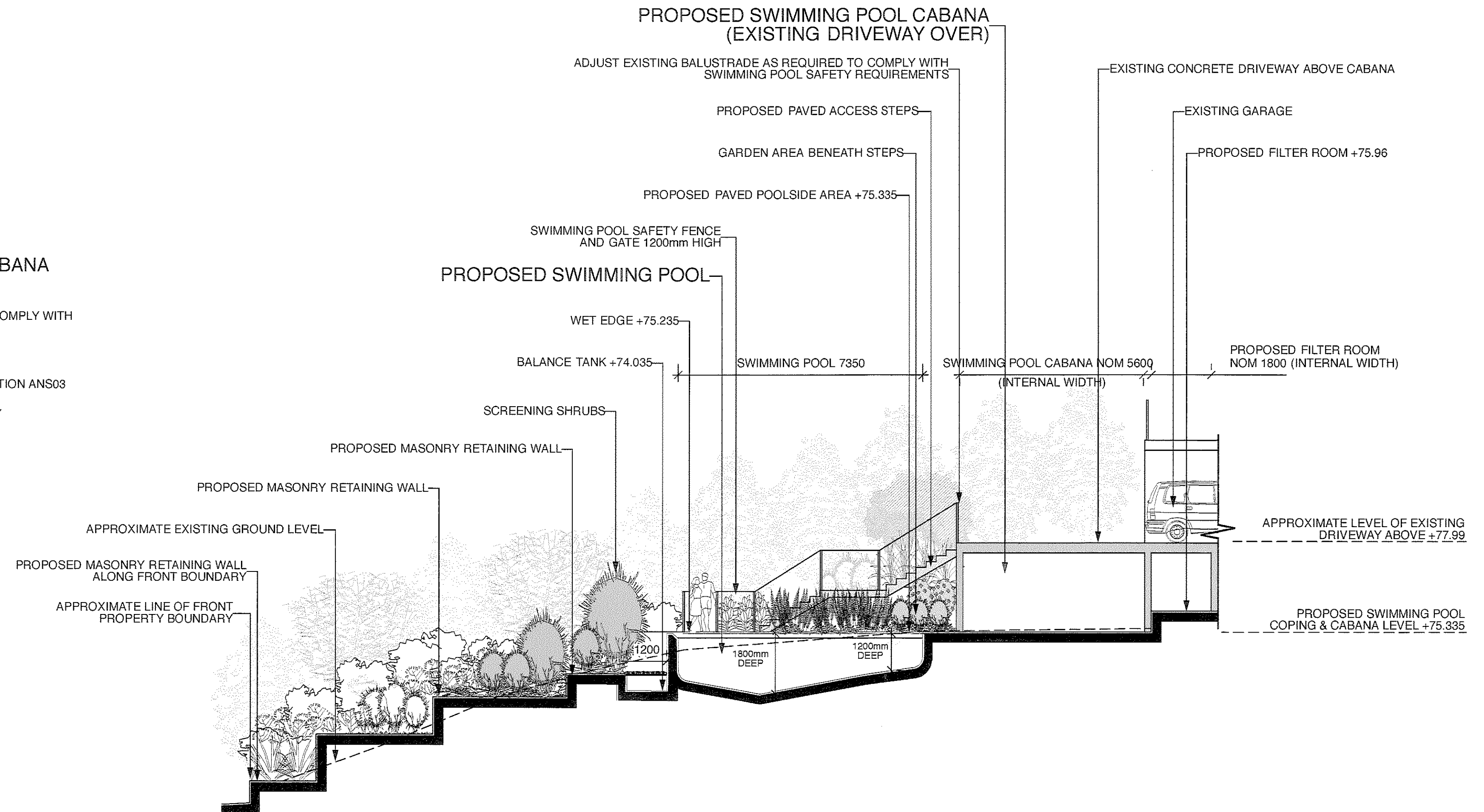
**STEP AREA
DETAIL**



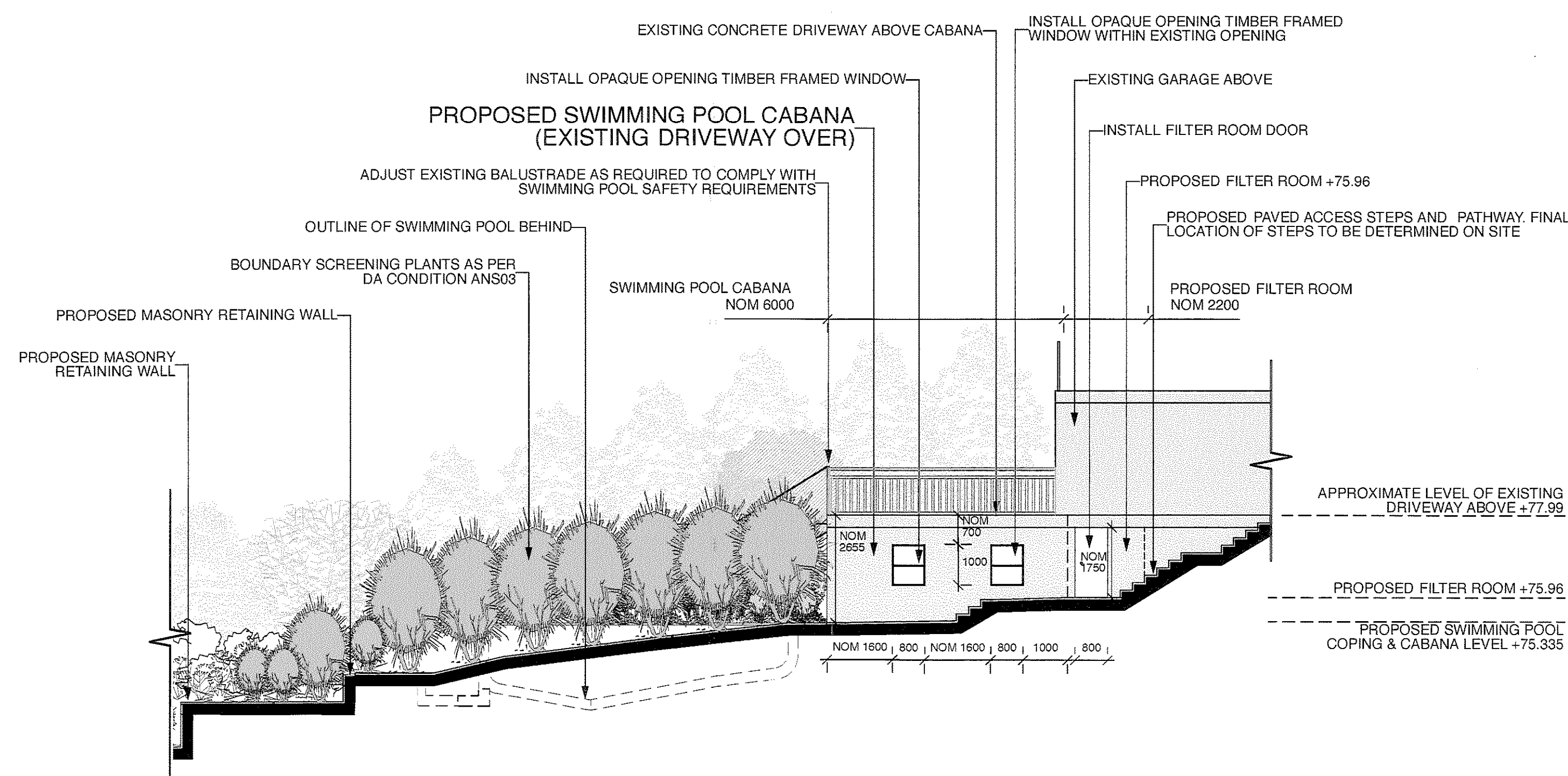
STANDARD DETAILS (If applicable)



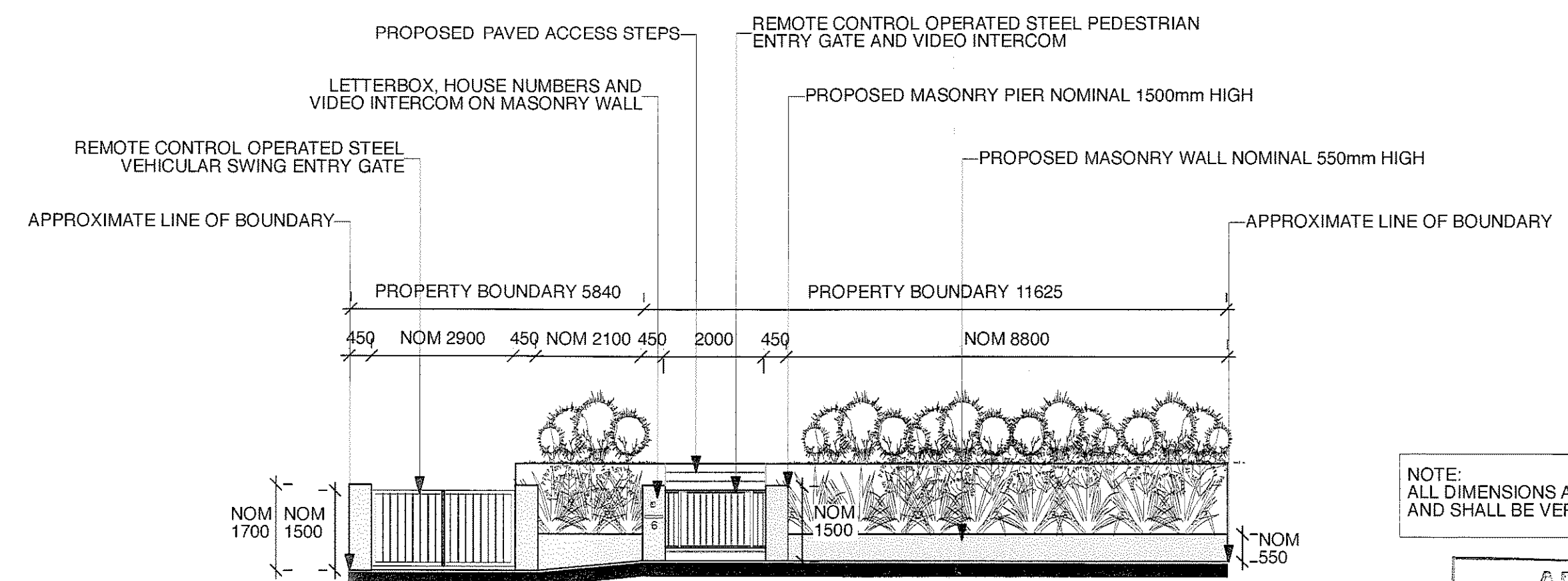
SECTION AA
SCALE 1:100
(DIAGRAMMATIC ONLY)



SECTION BB
SCALE 1:100
(DIAGRAMMATIC ONLY)



ELEVATION A
SCALE 1:100
(DIAGRAMMATIC ONLY)



SECTION CC
SCALE 1:100
(DIAGRAMMATIC ONLY)

NOTE:
ALL DIMENSIONS ARE NOMINAL ONLY
AND SHALL BE VERIFIED ON SITE

APPROVED

22 SEP 2010

ANTHONY PECTAS CONSULTING PTY. LTD.

AMENDMENTS
09/09/10 'A' CHANGES FOR CONSTRUCTION CERTIFICATE

SECTIONS & ELEVATION SHEET NO 6 GORDON STREET, CLONTARF

PREPARED FOR:
MR & MRS A MOORE

DESIGNED BY:
A Total Concept
Landscape Architects & Swimming Pool Designers
65 West Street, North Sydney NSW 2060
Tel: (02) 9957 5122 Fax: (02) 9957 5922 Mob: 0407 245 201
Scale: 1:100 Dwg No: L02 'A' Date: NOVEMBER 2009

Notes:
1. All dimensions and levels shall be verified by Contractor on site prior to commencement of work.
2. Do not scale from drawings.
3. This pool is not designed for diving or jumping purposes.
4. If in doubt contact Landscape Architect.
5. All boundaries shall be surveyed prior to commencement of construction works.
6. This design is copyright and shall not be copied, utilised or reproduced in any way without prior written permission of A Total Concept Landscape Architects.
7. Swimming pool dimensions are nominal only. Final pool size will be determined on site with surveyed setout.
8. All existing fences retained to act as pool fencing shall be modified as needed to comply with all authorities requirements.
9. This plan has been prepared for Development Application purposes only.

-SWIMMING POOL SAFETY FENCING & SWIMMING POOL SHALL COMPLY WITH;
-COUNCIL CODES
-BUILDING CODE OF AUSTRALIA
-SWIMMING POOLS ACT 1992-NO. 49
-SWIMMING POOL SAFETY AS 1926.1-1993
-SWIMMING POOL SAFETY AS 1926.2-1995
-SWIMMING POOL SAFETY AS 1926.3-1993
AS APPLICABLE.

POOL COPING LEVELS (RELATIVE TO EXISTING GROUND LEVELS)

(A)	+785mm
(B)	0mm
(C)	-115mm
(D)	-335mm

For Council use only.
Not for tendering or construction purposes.

NOTE:

CONNECTION TO BACKWASH TO SEWER SHALL COMPLY WITH AUSTRALIAN/NEW ZEALAND STANDARD AS/NZS 3500 AS PER DA CONDITION 10

BASIX REQUIREMENTS ALL NEW WORKS SHALL BE INSTALLED IN ACCORDANCE WITH BASIX REQUIREMENTS	
SWIMMING POOL CAPACITY	MAXIMUM CAPACITY 38.13 KILOLITRES
RAINWATER TANK	MINIMUM CAPACITY 995 LITRES

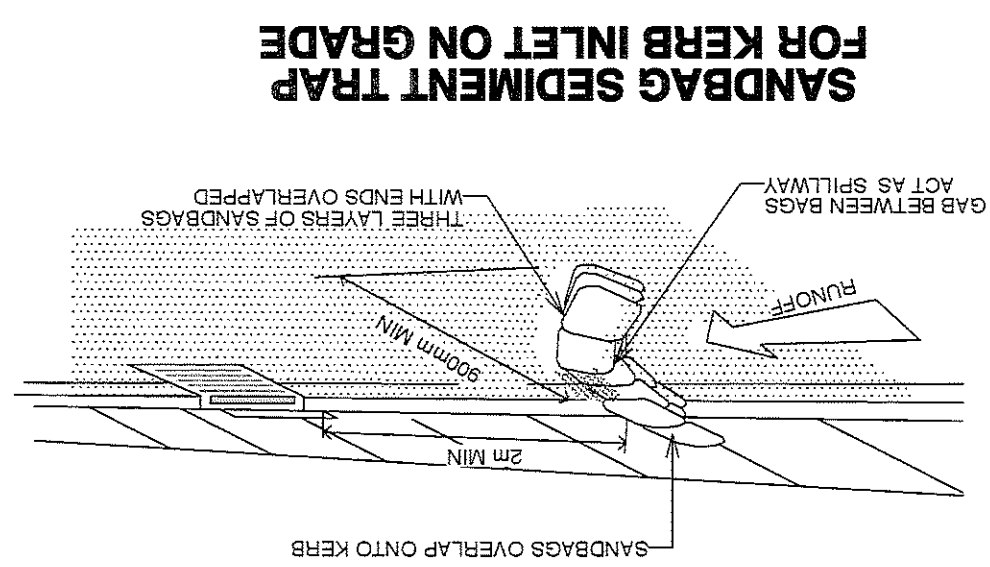
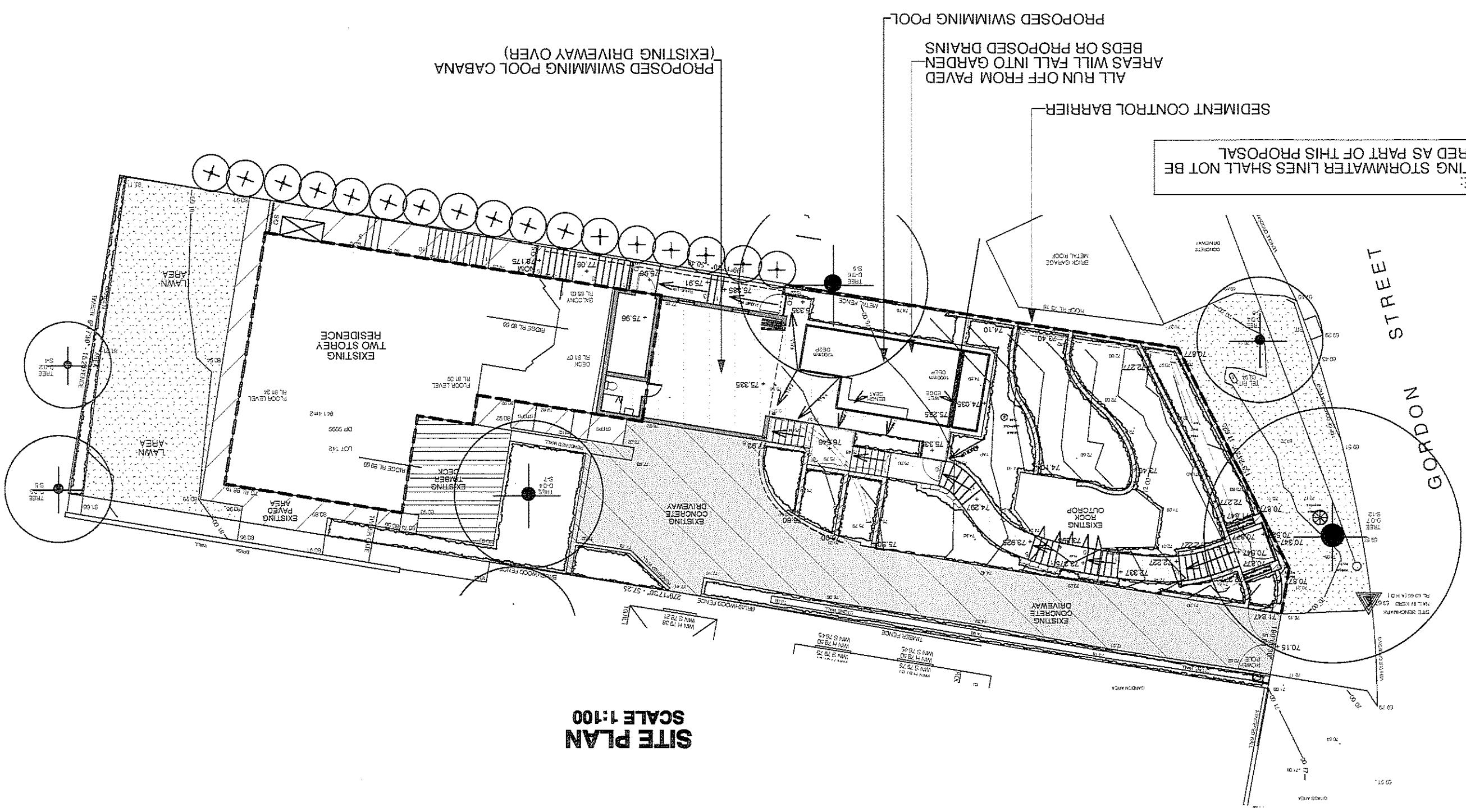
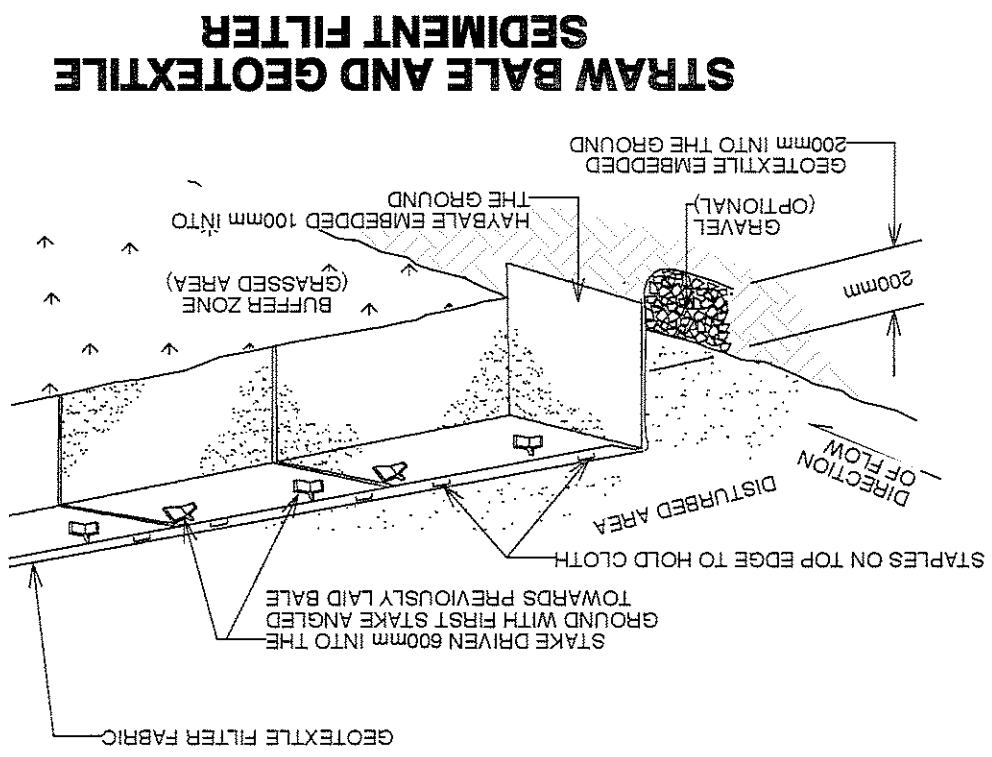
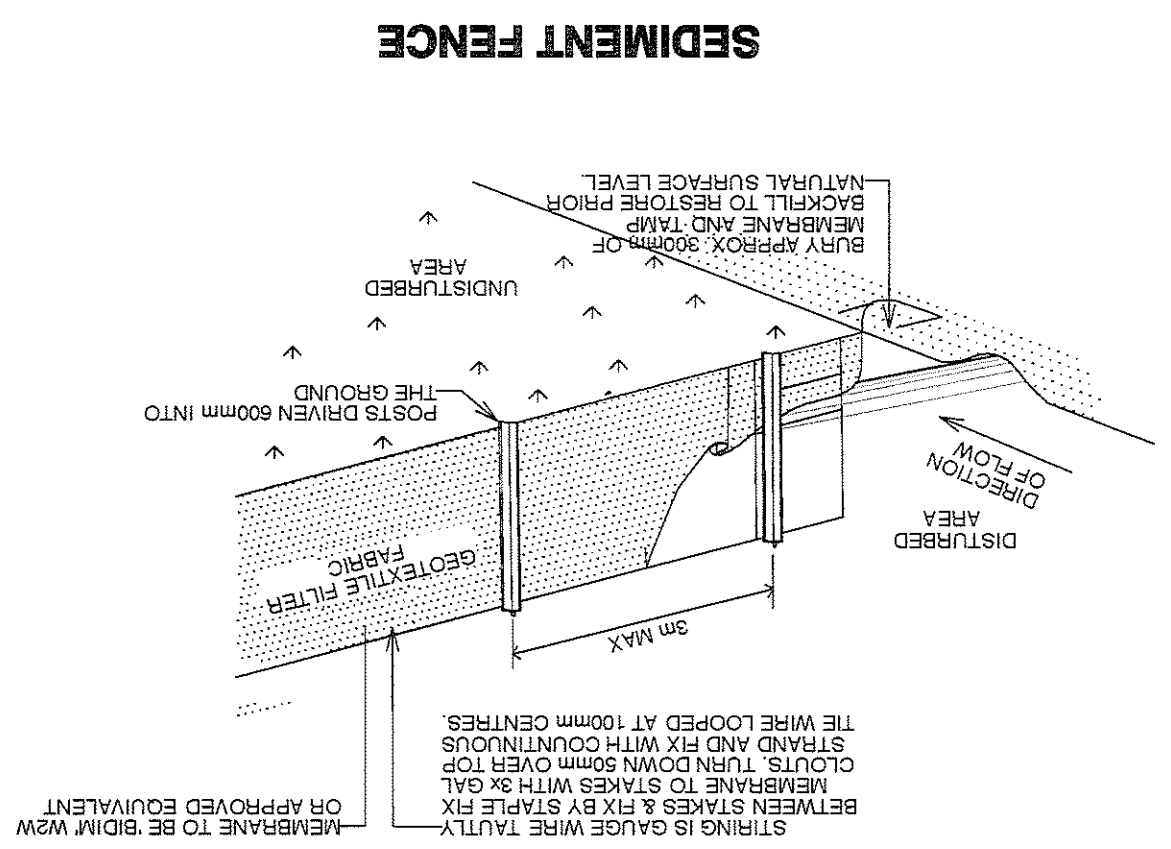
SOFT OPEN SPACE		
	REQUIRED	COMPLY
SITE AREA	841.4 m ²	N/A
MINIMUM SOFT OPEN SPACE (40%)	336.56 m ²	N/A
EXISTING SOFT OPEN SPACE	380 m ²	YES
PROPOSED SOFT OPEN SPACE	338.23 m ²	YES

atc
a total concept
landscape architects & swimming pool designers

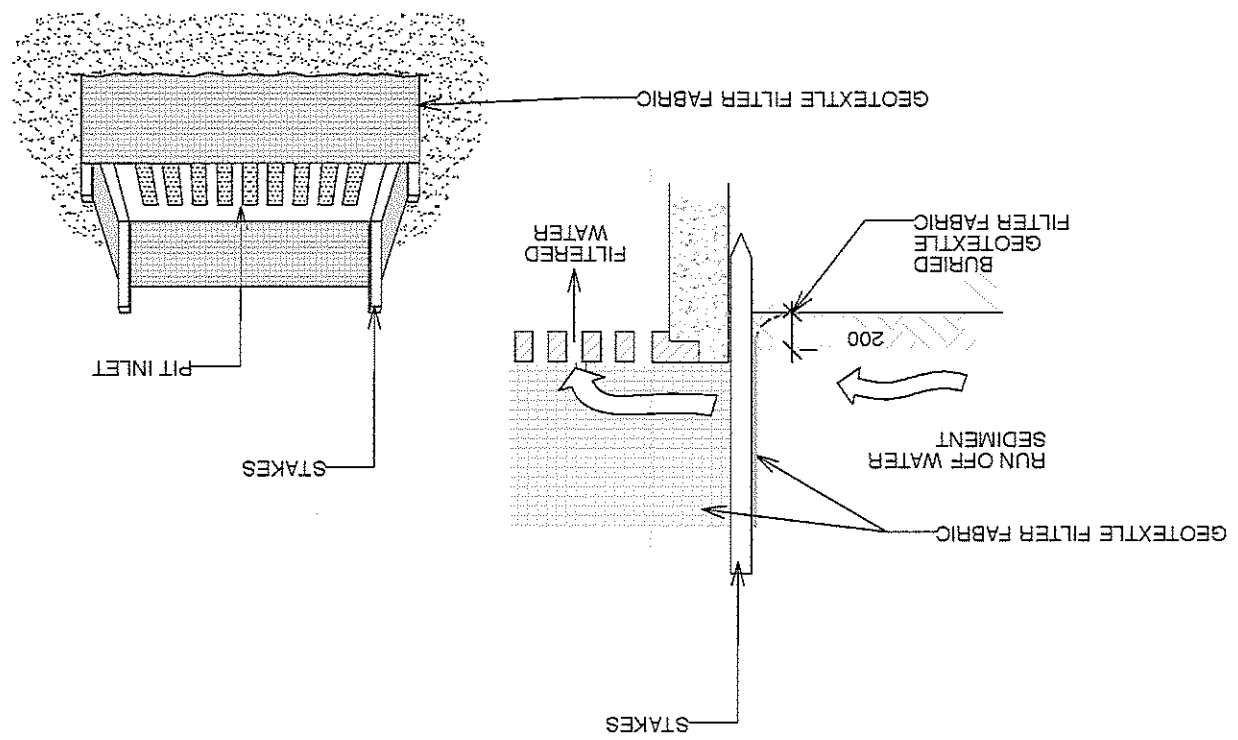
- GENERAL NOTES:**
1. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH:
A. MAINLY COUNCIL GUIDELINES AS PER DA CONDITION 7 (2MS01)
B. EPA REQUIREMENTS
 2. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY
 3. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SILT FENCES ARE ERECTED AROUND PITS.
 4. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENTATION CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY.
 5. REPAIRS AND/OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.
 6. CLEAN BEHIND FENCE EACH MAJOR STORM OR OTHERWISE AS DIRECTED AND REMOVE ALL SILT FROM THE SITE.
 7. SILT FENCE IS TO BE INSTALLED & APPROVED BY COUNCIL'S SUPERVISING ENGINEERS BEFORE OVERBURN IS REMOVED. THIS FENCE MAY REQUIRE REPLACEMENT AT TIMES IF LOCATED WITHIN OR NEARBY CONSTRUCTION ZONES.
 8. BIDIM W2W IS SUPPLIED BY GEOPABRICS AUSTRALIA.
 9. EXISTING STORMWATER DRAINAGE LINES WILL NOT BE EFFECTED BY THIS PROPOSAL TO THE APPROPRIATE DISPOSAL SYSTEM.
 10. An overhead pipe shall be installed to swimming pool with contaminated waters directed to the appropriate disposal system.
 11. All down pipes shown on plan are existing.
 12. Do not scale from drawings.
 13. If in doubt contact the Landscape Architect.
 14. All boundaries shall be surveyed prior to commencement of construction works.
 15. This plan is for DA purposes only.

LEGEND

--- SEDIMENT CONTROL BARRIER



GEOTEXTILE FILTER FABRIC SURROUND



ANTHONY PROTAS CONSULTANTS

NOTED DETAILS

PLAN

NO. 6 GORDON STREET, CLOUTARF

MR & MRS A MOORE

DESIGNED BY:

A Total Concept

Landscaping Architects & Swimming Pool Designers

Scale: N/A Day No: L/04 Date NOVEMBER 2009
65 West Street, North Sydney NSW 2259
Tel: (02) 9957 5122 Fax: (02) 9957 6922 Mob: 0407 245 201

qtc

qtc