R/67012

### Construction Certificate Determination

issued under the Environmental Planning and Assessment Act 1979 Section 109C (1) (b), 81A (2) and 81A (4)

### Certificate No. 2005/587

Pittwater Council receipt no. 165106, dated 6 April 2005, for payment of Long Service Levy

Council	Pittwater	
Determination	Approved	
date of determination	11 May 2005	
Subject land		
Address	8A Nooal Street, Newport	DECENTED
Lot No, DP No.	Lot 492 DP 609837	RECEIVED
		1 3 MAY 2005
<b>A</b> pplicant		DITTU(ACTIC ACTUACT
Name	Mrs C Gaunt	PITTWATER COUNCIL
Address	8A Noval Street, Newport	NOM STOP
Contact No. (phone)	0419 961 154	
Owner		
Name	Mrs Cheryl Gaunt	
Address	8A Nooai Street, Newport	NSW 2106
Contact No. (phone)	0419 961 154	
Description of Development		
Type of Work	New Two Storey Dwelling	
Builder or Owner/Builder		
Name	Musgrove Constructions Pty	/ Ltd
Contractor Licence No/Permit	170556 <i>C</i>	
Value of Work		
Building	\$597,000.00	

### Plans & Specification approved

List plans no(s) & specifications Reference

- Architectural Details & Construction
   Specifications (including Pool Safety Fence
   Details), reference no. 0417, Drawing nos. A-01,
   02, 04, 04 & 05 (Issue E), prepared by Sean
   Gartner Architects, dated March 2005
- 2. Copy of Sydney Water Approval dated 28 April 2005
- 3. Structural Details reference no. 041156 Drawing no's S01, S02(A), S03(A), S04(A), S05, S06, S07, S08, A10, S11 & S13, prepared and certified by Northern Beaches Consulting Engineers Pty Ltd dated April 2005
- 4. Sediment and Erosion Control Measures reference no. 041156 Drawing no. D01 & D02, prepared and endorsed by Northern Beaches Consulting Engineers Pty Ltd, dated April 2005.
- Landscape Detail reference no. Drawing no L01E prepared and certified by Matt Gibbs, Horticulturist dated 5 April 2005
- 6. Certificate of Structural Adequacy reference no. 041156, issued by Northern Beaches Consulting Engineers Pty Ltd, dated 10 May 2005
- 7. Stormwater Drainage Plan reference no. 041156
  Drawing No D03, prepared and endorsed by
  Northern Beaches Consulting Engineers Pty Ltd,
  dated May 2005

### **Certificate**

I certify that the work if completed in accordance with these plans and specifications will comply with the requirements of S81A(5) of the Environmental Planning and Assessment Act 1979.



Signed

Date of endorsement Certificate No. 1 1 MAY 2005

2005/587

**Certifying Authority** 

Name of Accredited Certifier Accreditation No.
Accreditation Authority

Contact No. Address Tom Bowden
93
Dept of Infrastructure, Planning & Natural Resources
(NSW Accreditation Scheme)
(02) 9999 0003

13/90 Mona Vale Road, Mona Vale NSW 2103

**Development Consent** 

Development Application No. Date of Determination

NO622/04 30 March 2005

**BCA Classification** 

1a

### Pittwater Council

### OFFICIAL RECEIPT

05/04/2005 Receipt No 160106

To rk & ca gaunt

PO-BOX 1122 MONA VALE

Applic Reference Amount

SL Pe OLSC-Buil #1:174:10
i / DANO622/04

\$1,194.16 Total: Amounts Tendered Cash **≨**().0() \$1,174,10 Cheque \$0.00 Card \$0,60 Money Order Agency Rec \$0.00 \$1,194.10 Total Rounding \$0.00  $\Phi()$  ,  $\Phi()$ Change Nett \$1,194,10

Printed 05/04/2005 9:53:43 Cashier (Mill)



### **Certificate of Existing Structural Adequacy**

Date:

10<sup>th</sup> May 2005

Job No

041156

Builder:

Musgrove Constructions

Engineer: LM

Site: 8a Nooal St Newport

NB Consulting Engineers P/L carried out a site inspection at the above residential premises on the 10<sup>th</sup> May 2005. The purpose of the visit was to inspect and comment on the capacity of the existing structure to support the proposed additions and alterations as detailed in the architectural plans prepared by Sean Gartner Architects dated Oct 2004 revision C

The assessment consisted of a walk over style visual inspection of the building.

In summary, the dwelling is considered sound and provides an adequate structure for the proposed works, provided that engineering plans are complied with and that all structural works are certified during construction. However, some minor brickwork cracking may occur as the building adjusts to the new load distribution. This is not expected to adversely affect the buildings overall structural integrity.

Note: This certification does not cover any defects to the structure that were not accessible at the time of inspection. If in the event that defects are uncovered during construction or become apparent after construction is complete, then the engineer should inspect the areas of concern and prepare a specification for remedial works. (These works will be carried out at hourly rates.)

We trust that this certificate meets with your requirements. Please contact the author if further clarification is required.

NB CONSULTING ENGINEERS P/L

Per Lucas Molloy BE CPEng NPER Director NBConsulting

N:\ENG NBC\2004\041156\SA001.doc



### SEWER AFFECTED SYDNEY WATER SUPERVISION REQUIRED OTHERWISE LETTER OF COMPLIANCE WILL NOT BE ISSUED

The applicant is required to engage an accredited constructor of minor works (sewer) to encase Sydney Water's sewer. The constructor is required to lodge an application with Sydney Water or a Quick Check Agent prior to the commencement of work and a supervision fee will apply.

Plumbers please note: 50°C Hot Water

Requirement

### SYDNEY WATER

Proposed building is APPROVED for construction over/adjacent to

Sydney Water's sewer provided

1. Poundations are below ...... zone of influence

2! No part of the building or its foundations is less than .O.b. horizontal

distance from the centre-line of the sewer

3. Foundations are constructed in accordance with Engineers detail plans as submitted to and stamped by Sydney Water

NOTE: ABOVE CONDITIONS, AND ANY OTHERS, MUST HAVE SYDNEY WATER SUPERVISION OTHERWISE LETTER OF COMPLIANCE WILL NOT BE ISSUED 9975-5204

Supervision can be arranged by phoning Inspector on .... between 8.30a.m. and 3.30 p.m. giving at least 48, HOURS NOTICE

See file BOS /3438719 3437719

> FECHNICAL SERVICES CUSTOMER CENTRE

SYDNEY WATER CORPORATION

CANCRETE ENCASEMENT BY SYDNEY MINDE CONSTRUCTOR OF SEWERMAIN EXTENDING 600mm AF CONCRETE

YIERS TO ENG'G DETAILS

Jan Jan

DLE | MIDNHOLE 24 HRS. LINSTRICTED TO

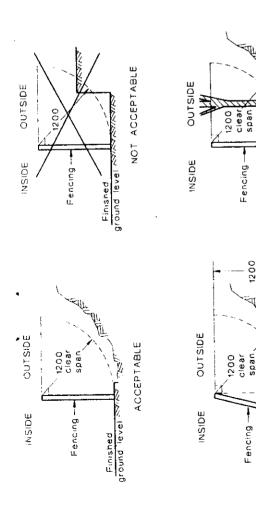
TO THE EDGE CLOSE NO STRUCTURES OF MAINTENANCE

BUILD

OOTPR

TREES

E BUILD

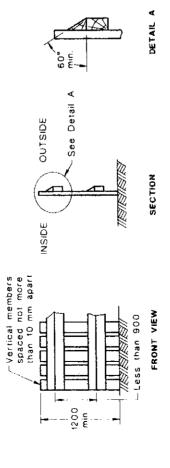


EFFECTIVE FENCE HEIGHT

DIMENSIONS IN MILLIMETRES

ACCEPTABLE

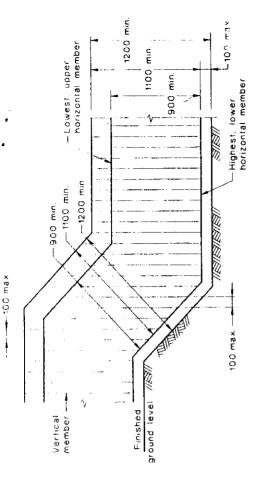
ground level KVIKA TIETH



FENCE WITH HORIZONTAL MEMBERS NOT ACTING AS A HOLD FOR CLIMBING

# **SWIMMING POOL SAFETY FENCE DETAILS**

### 8A Nooal Street, Newport



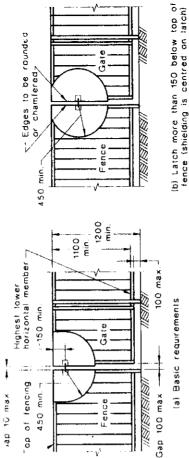
## PERPENDICULAR FENCING DIMENSIONS ON SLOPING GROUND

Non-climbe' 'e

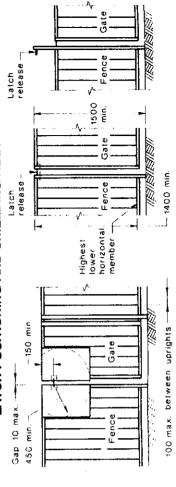
Finished Sylks

object

ACCEPTABLE

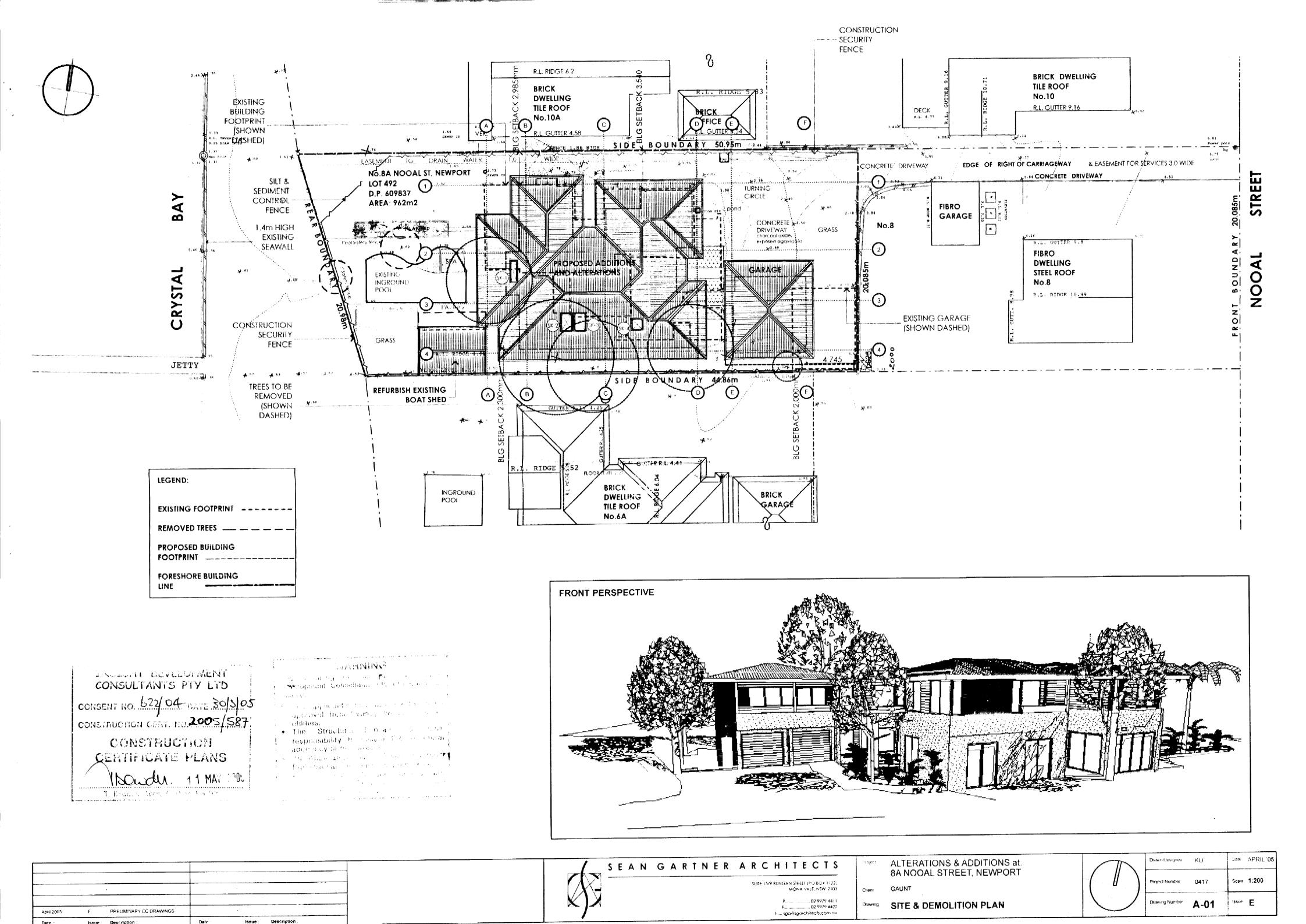


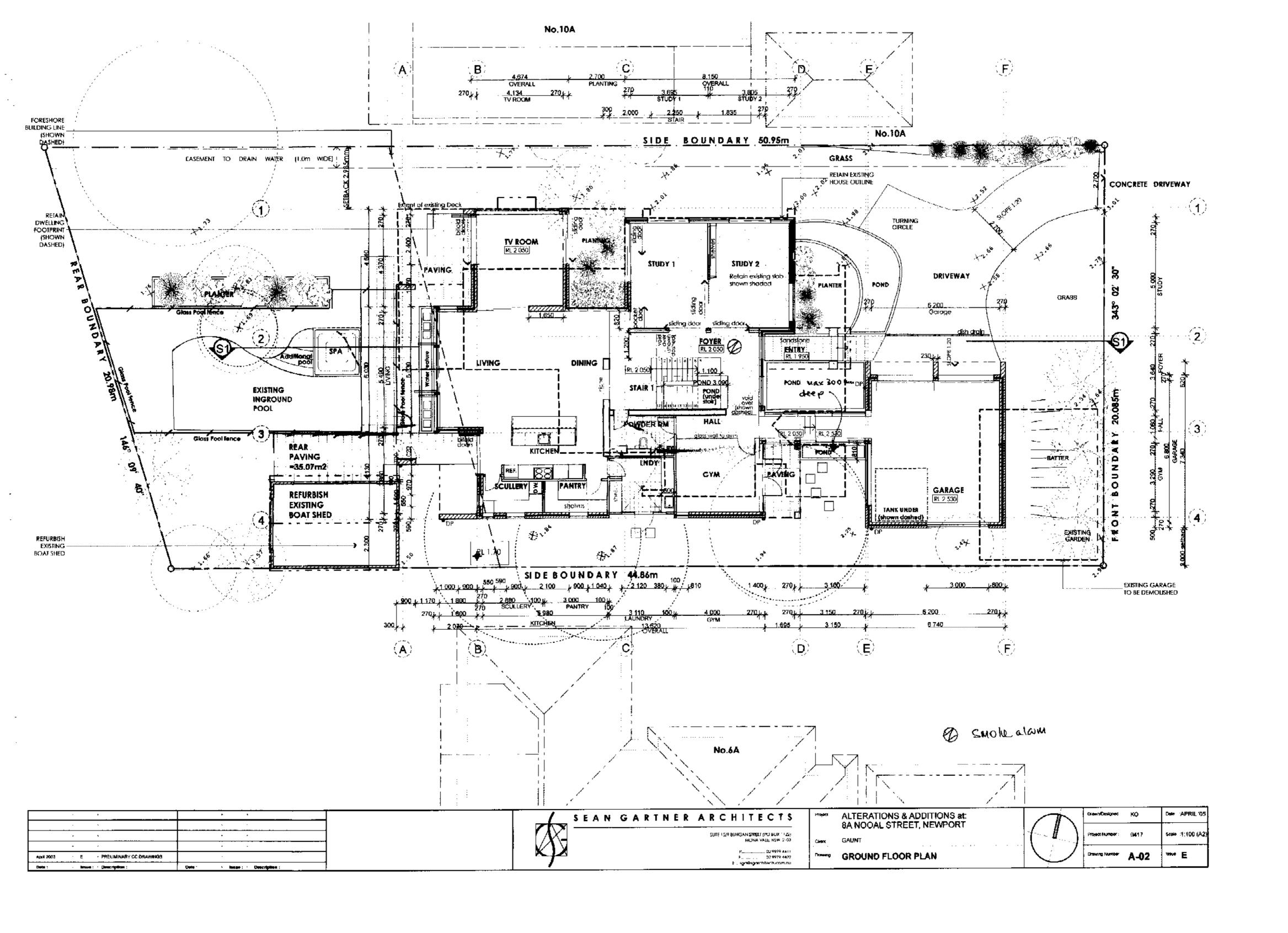
### LATCH POSITIONING AND SHIELDING REQUIREMENTS

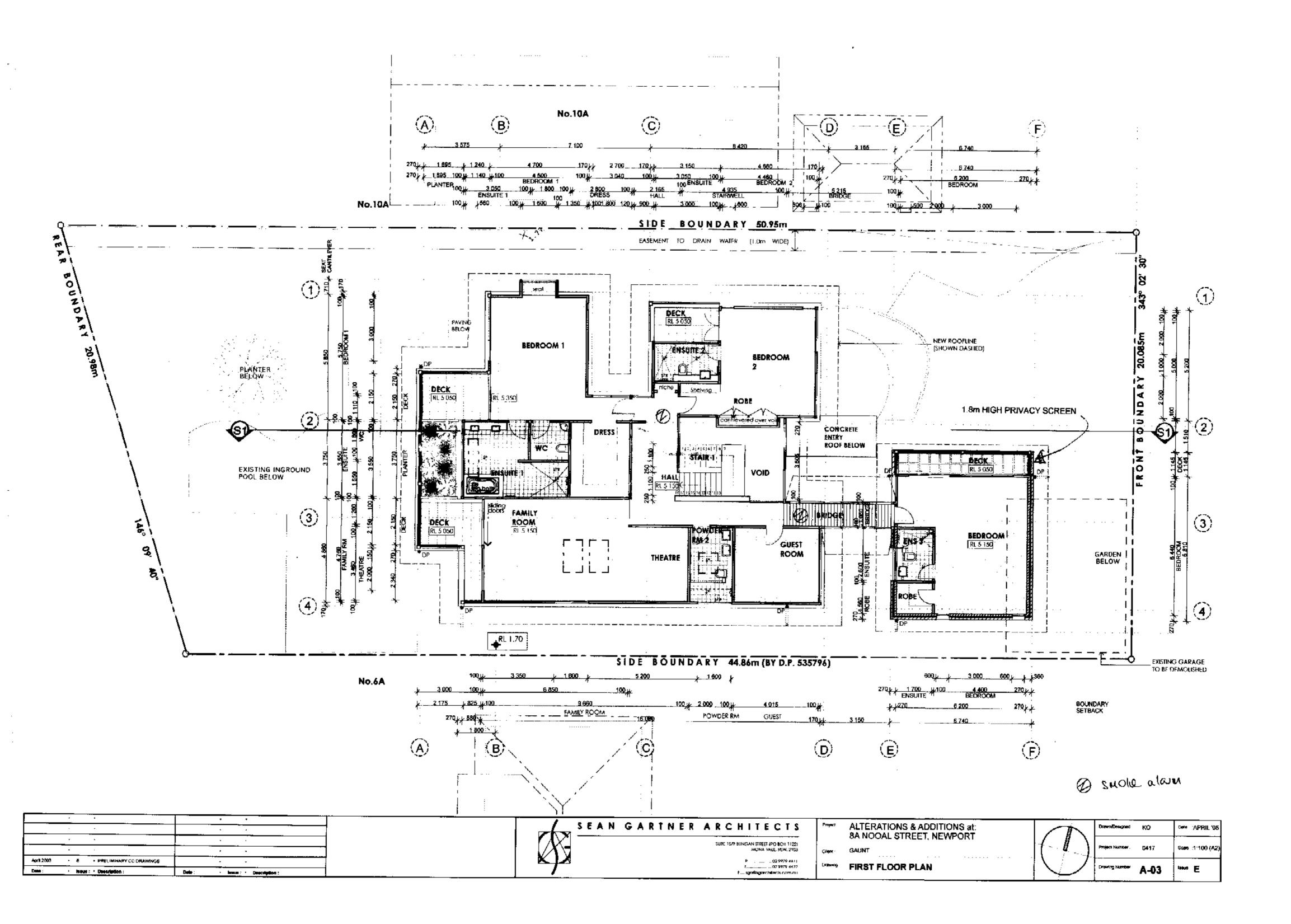


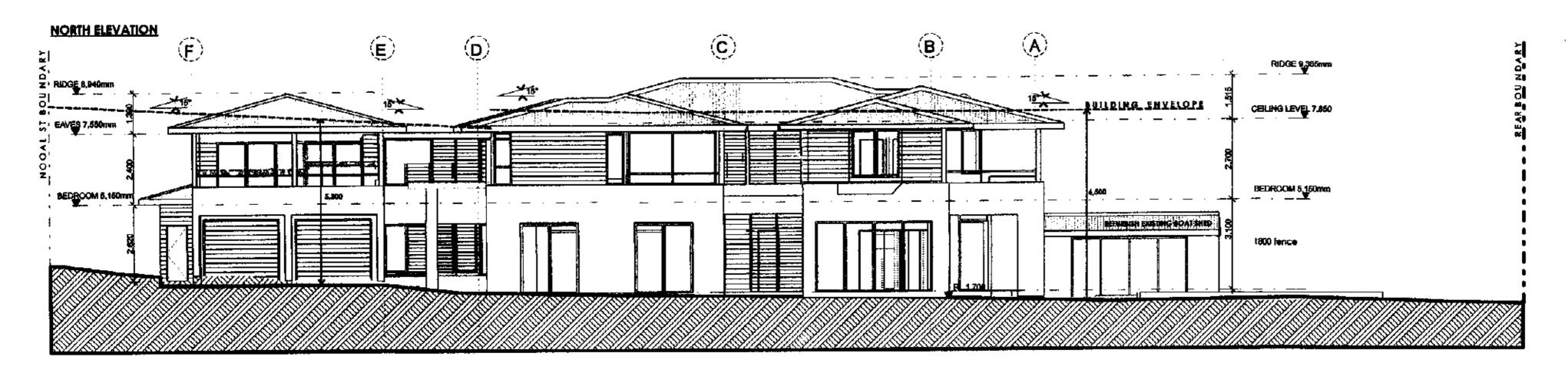
(d) Shield not required for latch or release located at 1500 or higher

5 Shield larger than minimum size

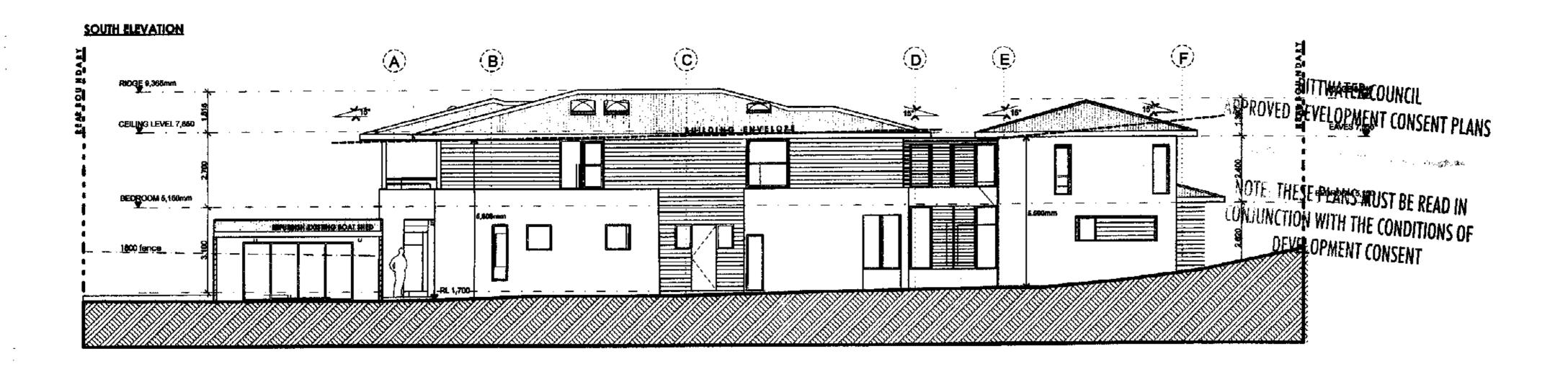




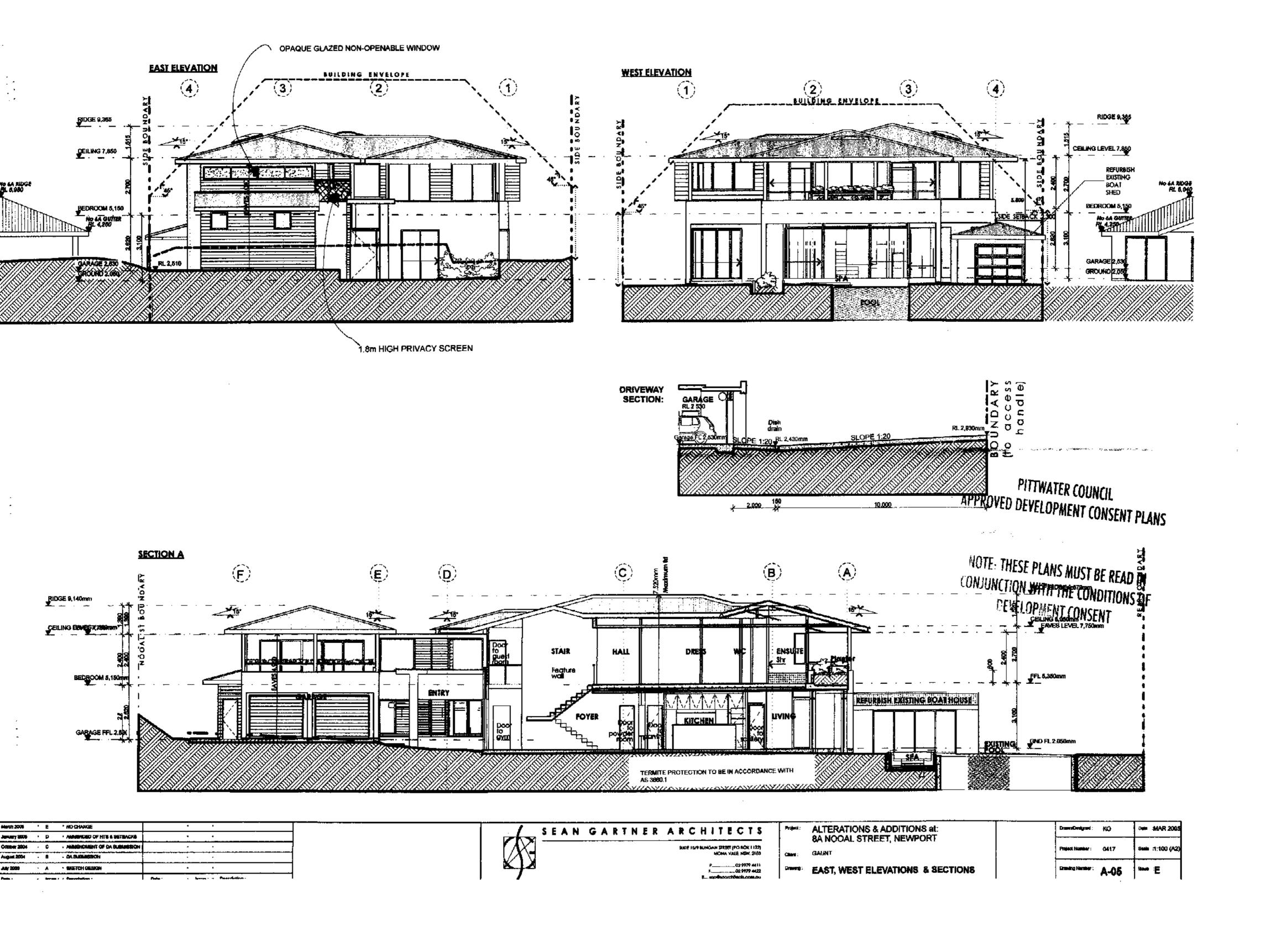




PLEASE NOTE: WHERE WIRE BALUSTRADES ARE PROPOSED THE DESIGN, REQUIRED WIRE TENSION AND PERMISSABLE DEFLECTION MUST BE IN ACCORDANCE WITH THE REQUIREMENTS OF CLAUSE 3.9.2.3 OF THE BUILDING CODE OF AUSTRALIA - HOUSING PROVISIONS



March 2008 • E • NO CHANSE	/ SEAN GARTNER ARCHITECTS	VICTORIO & VERNING #	puseunpeaduse: KC)	Pelo :MAR 2005
JANUARY 2005 - D - AMMARIOSE OF HTS 8.46T9ACK6		8A NOOAL STREET, NEWPORT		
Outober 2004 - C - AMMERIOMENT OF DA BURNINGHOOM	SMIRE 18/9 BUHGAN STREET FO BOX I HZB MONA VALE HSW, 2000	CHINE GAUNT	Project Humber 0417	Scale :1;100 (A2)
August 2004 - B - DA BURNISSICH			<del> </del>	<del></del>
July 2009 • A • SPOTCH DESKEN	E	NORTH & SOUTH ELEVATIONS	Drawing Number: A-04	* E
Come - Imme - Characteries - Pole Imme - Presentation -	E spoliticarchilledis.com.cu	•	'	•



### GENERAL NOTES:

### <u>GENERAL</u>

- Gt. The drawings are to be read together with all Architects drawings and
- G2. Dimensions shall not be obtained by scaling from the drawings. All setting out dimensions shall be verified and discrepancies shall be referred to the Engineer prior to commencement of work.
- G3. Care is required during construction so that structural elements are not over stressed and that the works and excavations required therefore are kept stable at all times.
- G4. Design, materials and workmanship are to be in accordance with current S.A.A standards and statutory authority regulations except where varied
- G5. Design live loads are in accordance with AS 1170.1

### <u>FOOTINGS</u>

- F1. Foundation strata is assumed for design purposes in accordance with A5 2870. See footnote. Closeification to be verified by a Geotechnical Engineer commissioned by the client if certification of foundation is required.
- F2. Footings to be constructed and back filled as soon as possible following excayation to avoid softening by rain or drying out by exposure.
- F3. Footings must bear into undisturbed natural ground clear of organic material. Refer to details.
- F4. If rock or variable bearing strata is encountered during excavation of the factings all factings/piers are to be excavated to similar material of greater bearing capacity.
- The Engineer is to be contacted at that time for approval or review.
- F5. Footings to be cost in approved material having an allowable capacity as follows:

### Sand Foundations:

- SAI. Required bearing capacity 100 kPa.
- 5A2. Trenches must be cleaned of all debris and hand compacted prior to placement of reinforcement.
- Clay Foundations:
- CLI. Required bearing capacity 150 kPa.
- CL2. Trenches must be cleaned of all debris. Soft spots must be cut out and filled as per compacted fill notes, prior to placement of reinforcement.

### Shale Foundations:

- SHI. Required bearing capacity 400 kPa.
- SH2. Excavation for footings into shale must be cost or capped with plain concrete on the same day as excavation. Sandstone Foundations:
- SSI. Required bearing capacity 650 kPa.
- SS2. Scrape weathered surface to remove cleaved sandstone under footings. Refer adjacent for assumed Design bearing strata.
- F6. Future development of neighboring properties may effect ground water conditions on this site. Consequently, reactivity in subgrade beneath footings may be locally altered therefore putting footing at risk of differential settlement. He recommend that, particularly in clay subgrades, agricultural drainage is installed to the upstream perimeter of the building at a distance from the building which is outside the zone of influence of the footings. The agricultural drain must be installed below the fluctuating seasonal zone which should be identified by geotechnical investigation.

### CONCRETE

A2

- Cl. All workmanship and materials shall be in accordance with AS 3600.
- C2. Concrete quality shall be as follows and shall be verified by tests.
- C3. All concrete unless otherwise noted shall have a slump of 80mm at point of placement, a max. aggregate size of 20 mm. No water shall be added to the mix prior to or
- during placement of concrete. Strength as specified on plans.
- Clear concrete cover to reinforcement shall be as follows unless otherwise shown~

•				
ļ	ELEMENT	INTERIOR	EXTERIOR	EXTERIOR CAST AGAINST GROUND
L	FOOTINGS	1		50
ľ	COLUMNS/PEDESTALS	30 UNO	REFER TO PLAN	-
ı	SLABS/WALLS	25	REFER TO PLAN	40 ON MEMBRANE
l	BEAMS	25 UNO	REFER TO PLAN	50
l	BLOCKWORK	55	FROM APPROPRIATI	FACE

- C5. Sizes of concrete elements do not include thickness of applied finishes.
- C6. All Construction Joints locations shall be approved by the Structural Engineer

- C7. Beam depths are written first and include slab thickness, if any.
- C6. No holes or chases other than those shown on the structural drawings shall be made in concrete elements without the prior approval of the
- C9. Shrinkage reducing admixtures such as 'Eclipse' or approved equivalent, if specified, must be added to mix prior to pour.
- CIO. Water reducing agents, if specified, must be added to mix prior to pour. No extra water is to be added to increase slump.
- CII. Where vertical slab/beam surfaces are formed against a masonry (or other) wall, provide 10 mm styrene separation material.
- C(2). Water must not be added to concrete mix prior to placement of concrete
- C13. Above covers may have to be adjusted if fire rating is a requirement.

### REINFORCEMENT

- Rt. All reinforcement specified is Grade D500 unless noted otherwise.
- R2. Reinforcement is represented diagrammatically it is not necessarily shawn in true projection.
- R3. Top reinforcement is to be continuous over supports. Bottom reinforcement to be lapped at supports.
- R4. Helding of reinforcement shall not be permitted unless shown on the structural drawings.
- R5. Pipes or conduits shall not be placed within the zone of concrete cover to the reinforcement without the approval of the engineer.
- R6. All reinforcing bars and fabric shall comply with AS 4671-2001.
- R7. Reinforcement symbols
  - N Grade 500N deformed bar (D500) Normal Ductility
- R Grade 250N plain round bar (R250) Normal Ductility.
- St. Grade 500L welded deformed ribbed mesh (D500) Square Low Ductility.
- RL Grade 500L welded deformed ribbed mesh (D500)
- Rectangular Low Ductility.

The number immediately following these symbols is the number of millimeters in the bar diameter.

- Example : 8 NI2-250, denotes 8, Grade 500N deformed bars, 12 mm diameter at 250 cts.
- R8. Fabric reinforcement to be tapped 1 complete square + 25 mm unless noted otherwise.
- R9 All reinforcement shall be firmly supported on bar chairs spaced at a maximum of 750 centres both ways under rod and fabric reinforcement. Reinforcement shall be tied at alternate intersections

### <u>FORMWORK</u>

- FMI. Formwork must be cleaned of all debris prior to costing of concrete.
- FW2. Minimum stripping times for form work shall be as recommended in AS 1509 or as directed by the engineer.
- FWB. The finished concrete shall be a dense homogeneous mass, completely filling the form work, thoroughly embedding the reinforcement and free of stone packets. All concrete elements including slabs on ground and factings shall be compacted with mechanical vibrators.
- FN4. Curing of all concrete is to be achieved by keeping surfaces continuously wet for a period of 3 days, followed by prevention of toss of moisture for seven days followed by a gradual drying out. Approved sprayed on curing compounds may be used where no floor finishes are proposed. Polythene sheeting or wet hession may be used if protected from wind and traffic.

### BRICKWORK

- BR!. Brickwork is to be constructed to AS 3700.
- BR2. Two layers of approved areased metal based stip material shall be used over all load bearing walls that support concrete stabs and placed on smooth brickwork or travelled mortar finish. Non load-bearing waits shall have 10 mm compressible material and ties to the slab soffit.
- BR3. No brickwork shall be constructed on suspended slabs until all propping has been removed from the underside of the slab and the concrete has the specified 28 day cylinder strength verified by tests.
- BR4. Control joints to be placed at a maximum of 8m centres or in accordance with AS 3700,
- BR5. Exposure grade bricks to be used below damp proof course.
- BR6. Vertical control joint material where specified on plan between stabs and brick walls shall be: 10 mm Spandex External UNO. Bitumastic fibreboard internal UNO.
- BR7. Provide stainless steel wall ties below DPC to AS 3700. Provide galvanized wall ties above DPC to AS 3700 \$ Local Council Specifications.

### BLOCKWORK

- BL1. Concrete blocks shall have a minimum compressive strength of 15 MPa. and conform to AS 1500. Masonry to be constructed to AS 3700
- BL2. Where cores of hollow blocks are to be filled, properly compacted 20MPa concrete with 10 mm aggregate and 230 mm slump shall be used. Clean out openings must be utilized for all cores.
- BL3. Location of actual starters is critical to suit block cares, allow 55 mm cover from the outside face of blockwork. All reinforcement lap lengths to conform to AS 3600.
- BL4. Control joints to be placed at a maximum of 8 m centres or in accordance with AS 3700.
- BL5. Vertical control joint material where specified on plan between slabs and brick walls shall be: 10 mm Spandex External UNO. Bitumastic fibreboard internal UNO.
- BL6. Retaining walls or any reinforced and concrete core filled block walls to be of Double "U" Block Construction.
- BL7. No blockwork shall be constructed on suspended slabs until all propping has been removed from the underside of the slab and the concrete has the specified 28 day cylinder strength verified by tests. unless approved by the Structural Engineer
- BLB. Max. pour height for unrestrained blockwork is 2000.

### STEEL

- St. All Structural steelwork to be Grade 300 or greater. Design, fabrication and erection to be in accordance with AS 4100.
- 52. Materials and workmanship shall comply with AS 1250 1981, SAA Steel Structures Code and the specification for Structural Steel.
- 53. Rolled steet sections including steel plates shall comply with AS 3678 - 1990.
- 54. Cold formed steel sections shall be Grade 450 Zinc coated in accordance with AS 1538-1988.
- 55. Welded and seamless steel hollow sections shall comply with AS 1163.
- Grade 350. 56. Bolt Designation:
- 4.69 Commercial bolts Grade 4.6, snug tightened.
- 8.85 High Strength structural bolts Grade 8.8, shug tightened. 8.8TB - High Strength structural bolts Grade 8.8. fully tightened to AS 1511 and acting as a Bearing Joint.
- 8.8TF High Strength structural bolts Grade 8.8, fully tensioned to AS 1511 and acting as a Bearing Joint.
- \*Unless noted otherwise, all bolts will be 8.85. 57. Unless shown otherwise, minimum connection shall be 2Mi6 balts, 10 thick gustet plates, 6mm continuous fillet welds.
- SB. Load indicating washers shall be used in all fully tensioned joints. (8.8TF **∮** 8.8TB),
- 59. All welding shalf be carried out in accordance with AS 1554 SAA Structural Steel Welding Code.
- 510. Unless noted atherwise all welds shall be category SP using E41xx Electrodes. All butt welds shall be complete penetration butt welds category SP. 511. Gravting of anchor bolt sleeves and base plates shall be completed by the
- contractor using High Strength, Non-Shrink grout. 512. Fabrication and arrection tolerances for Structural Steelwork shall be in
- accordance with AS 4100. 513. Purlin bolts shall be MI2 - 4.65 galyanised.
- 514. Steel work shall have one of the following grades of corrosion protection:-INTERNAL
  - a. Thoroughly cleaned mire brushing, followed by two coats of zinc phosphate primer equivalent to Dulux Luxaprime applied by hand using brushes to achieve a total dry film thickness of 70

### <u>external elements, & elements within either skin of external cavity walls</u>

- b. Preparation Blast clean to a minimum standard Class 2.5 in accordance with A5 1627 Part 4.
  - Primer 2-pack epoxy phosphate at dft 75 microns (Dulux Dunepar PI4).
- Barrier Coat 2-pack epaxy micaeous iron oxide, dft 100 microns Finish Coat 2-pack epoxy high gloss acrylic to dft 75 microns (e.g. Dulux Acrathane I F) in an approved colour.
- c. Hot dipped galvanized to AS 4680. Where the galvanic (Hot Dip Galvanized) coating is compromised by welding, boilting or damage, inorganic zinc-rich paint (minimum 95% zinc content) is to be applied after wire brushing affected area (use 3 coats minimum), or Hot Metal Spray in accordance with AS 4680.
- SI5. Workshop drawings shall be prepared and two copies submitted to the engineer for review prior to fabrication commencement.

ASSUMED FOUNDATION CLASSIFICATION FOR DESIGN PURPOSES - 'A' ASSUMED BEARING STRATA FOR DESIGN PURPOSES - ROCK, 600 kPa.

### TIMBER

- T1. All workmanship and materials to be in accordance with AS 1684, AS 1720 and as 3959. All soft wood to be Grade F7 unless noted otherwise. All hardwood to be minimum Grade F14 unless otherwise noted. Exposed timber to be CCA treated (to AS 1604) redried after full impregnation, or durability class I or 2.
- T2. All joists deeper than 150 to have blocking over support bearers. and at a maximum 3000 centres.
- T3. Roof trusees to be designed by the manufacturer to the relevant standards. Pre camber to be an amount equal to dead load
- T4. All holes for boilts to be exact size. Washers to be used under all heads and note and to be at least 2.5 times the bolt. diameter. Bolts to be MI6 grade 4.6 unless noted otherwise.
- T5. Treat all exposed cut ends with Reseal by Protim to manufacturers specification to achieve required Hazard Level Exposure Classification.
- T6. Battens for T # G to be Kiln Dried to 12 %. 38mm minimum deep treated pine or as recommended by supplier. Flooring to be installed no sooner than 28 days after slab pour.
- 17. Hot dip galvanized nails/clouts/screws to be used with all timber connections.
- TB. Continuous nailing must not be used for any timber connections.

### COMPACTED FILL

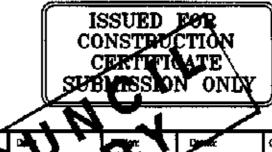
- CF1. Only to be used with approval Engineer \$ to be certified by a geotechnical Engineer,
- CF2. Clear organic material and topsoil under proposed slabs/footings.
- CF3. Filling shall be granular material compacted in not more 200 mm layers to a minimum dry density ratio (AS I289/E4.2 1982) of 98 percent.
- CF4. During clearing and excavation for stabs and footings cut out soft spots and fill as above.

### INSPECTIONS BY ENGINEER

- 48 HOURS NOTICE IS REQUIRED BEFORE ANY SITE INSPECTION
- Bearing strata of all footings prior to concrete pour.
- 2. Any reinforcement prior to concrete pour.
- 3. Timber and Steel framing prior to cladding or lining.
- Steel lintels after installation.
- 5. CONTACT YOUR PCA (Principal Certifying Authority) AS TO REQUIREMENTS FOR MANDATORY CRITICAL STAGE INSPECTIONS IN ACCORDANCE WITH REVISED EPAA ACT REGULATIONS EFFECTIVE JULY 1, 2004.

### DRAWING SCHEDULE:

- SOI GENERAL NOTES AND DRAWING SCHEDULE
- 502 FOOTING AND GROUND FLOOR SLAB PLAN
- 503 FOOTING AND GROUND FLOOR
- SLAB DETAILS SHEET I
- 504 FOOTING AND GROUND FLOOR WARNING
- SLAB DETAILS SHEET the stamping of this plan by trought SOS FIRST FLOOR SLAB PLANVelopment Consultants Pty Lite does not SOG - FIRST FLOOR SLAB PLAN
- BOTTOM REINFORCE EN approval from Sydney Water or other
- SO7 FIRST FLOOR SLAB PLANUTATION. TOP REINFORCEMENT \* The Structural Engineer
- 508 FIRST FLOOR SLAB DETAILED IN the ensure the ensur The Applicant, Structural Laginter or other SO9 - NOT USED
- SIO ROOF FRAMING PLAN | Professional of their response SII - FRAMING DETAILS
- 512 NOT USED SI3 - MISCELLANEOUS SLAB AND
- FOOTING DETAILS SHEET I
- 514 MISCELLANEOUS SLAB AND FOOTING DETAILS SHEET 2



ensure these stamped details are

consistent with the issued Construction

Certificate Architectural Data

GENERAL NOTES DRAWING Imming Title: CTTEAUL. AND DRAWING SCHEDULE 501 The copyright of this deswing remains with Martham Beaches Consuling Engineers PA.

DOCUMENT CERTIFICATION Lucas Molloy Amendment (Director Northern Besc (Iting Engineers)

am a qualified Btrusture//Chyll Engineer. I hold the following qualifications: BE(Civil), CPEng, MIEAust., NPER. institute of Engineers Membership No. 788184

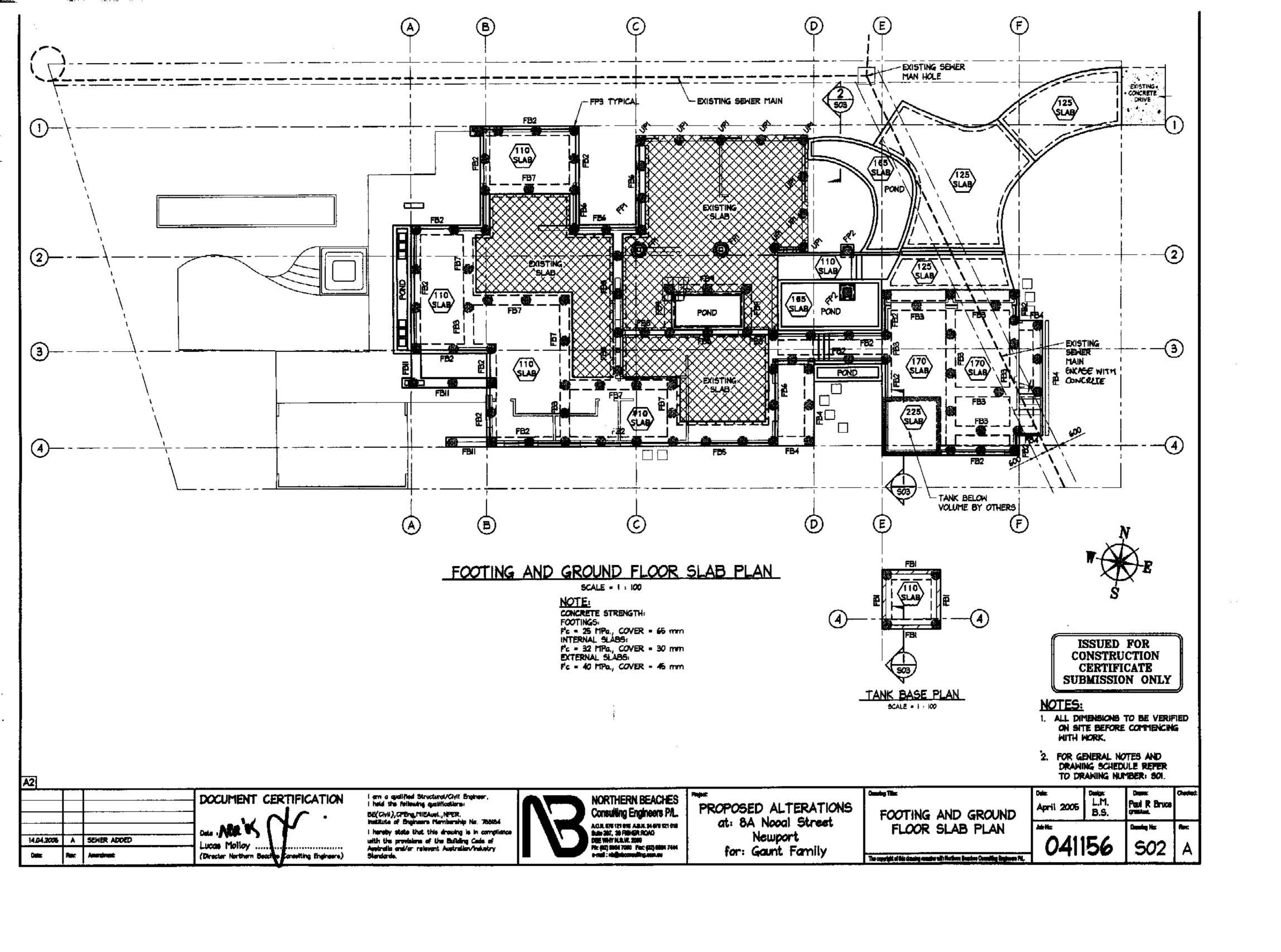
Standards.

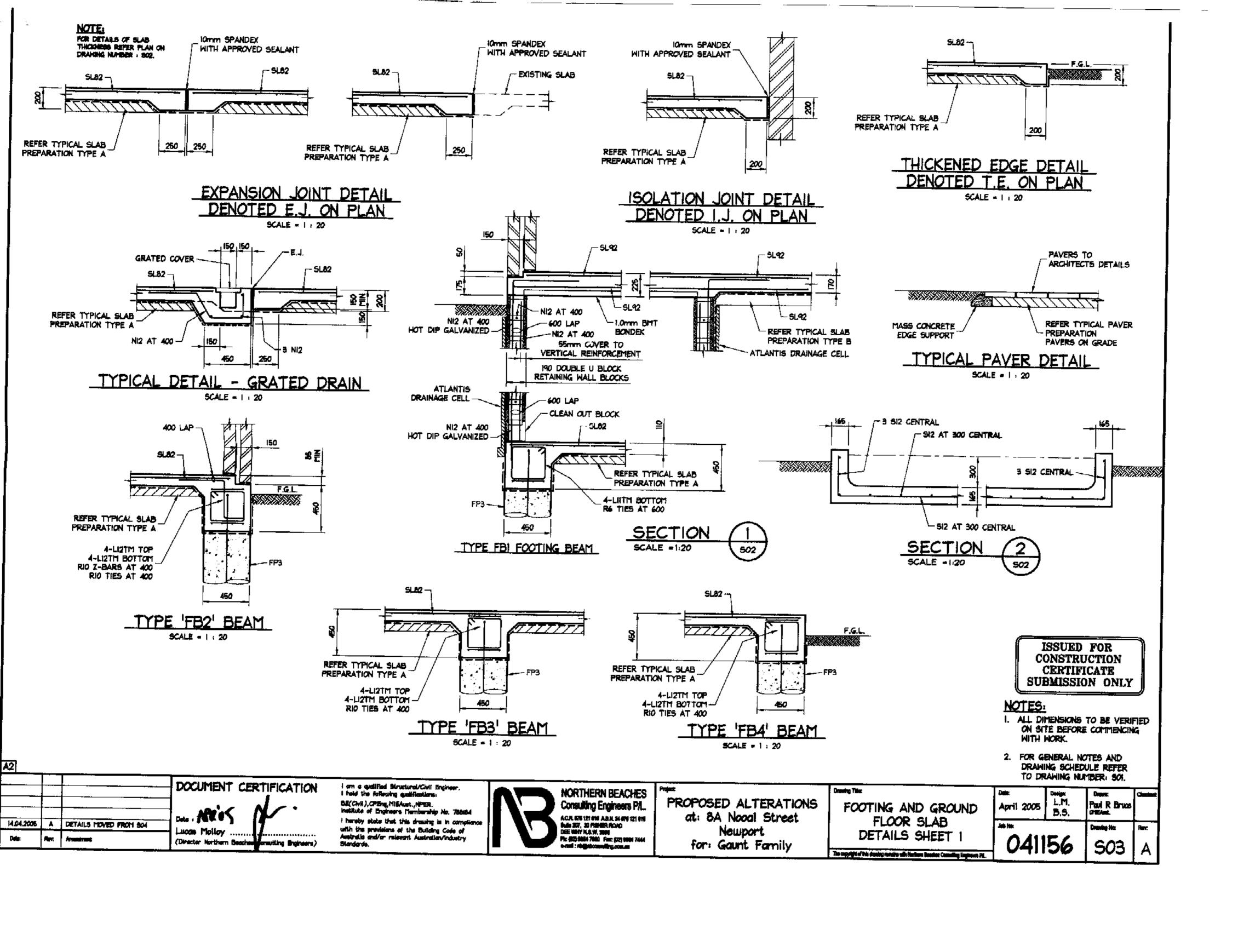
I hereby state that this drawing is in compliance with the provisions of the Building Code of Australia and/or relevant Australian/Industry

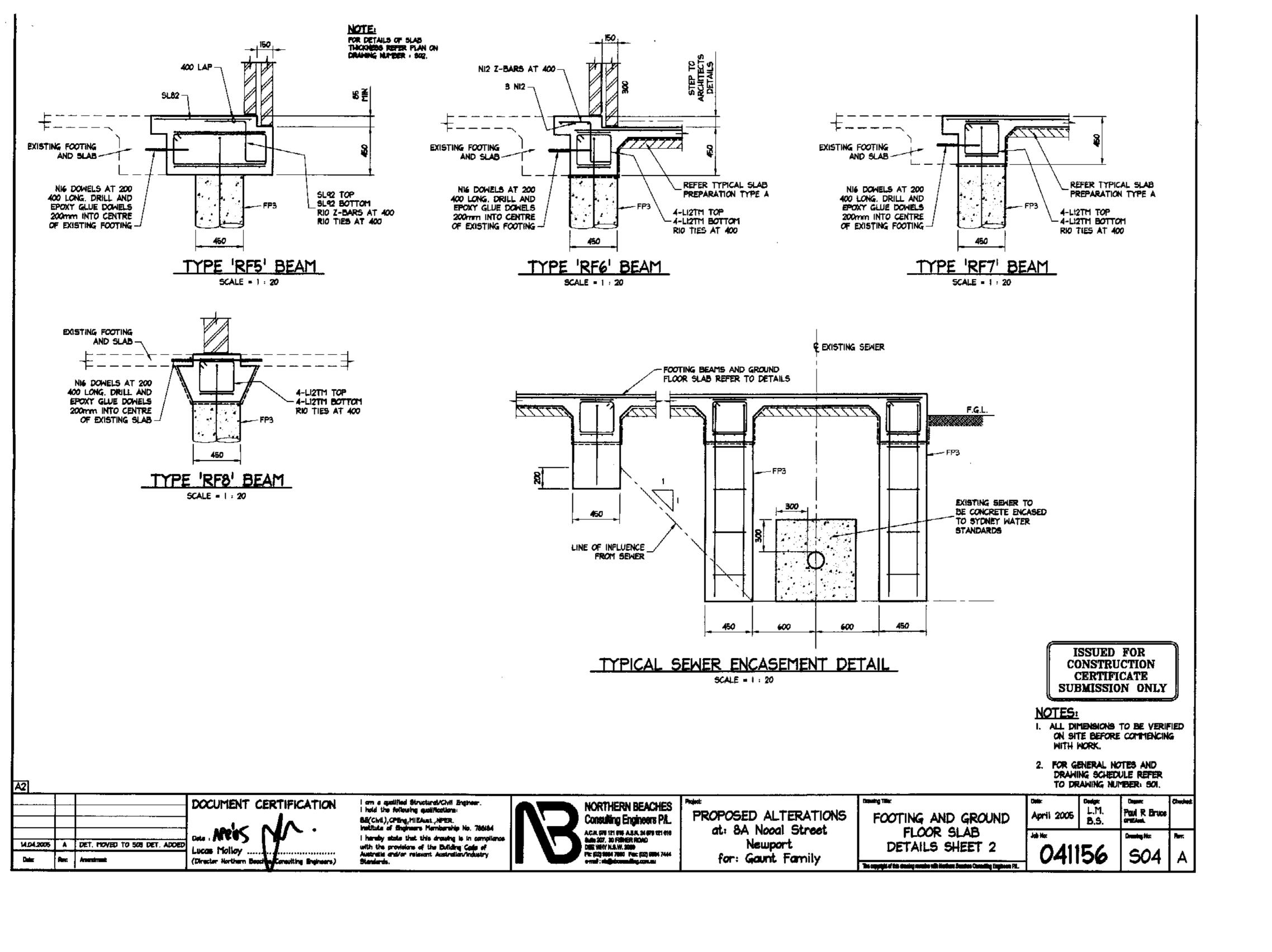
NORTHERN BEACHES Consulting Engineers P/L. AC.N. 076 121 616 A.B.N. 24 078 121 616 Suite 207, 30 FISHER ROAD DEE WHY N.S.W. 2099 Ph: (D2) 9984 7000 Fm: (D2) 8984 7444 e-meil: mb@mbconsulting.com.au

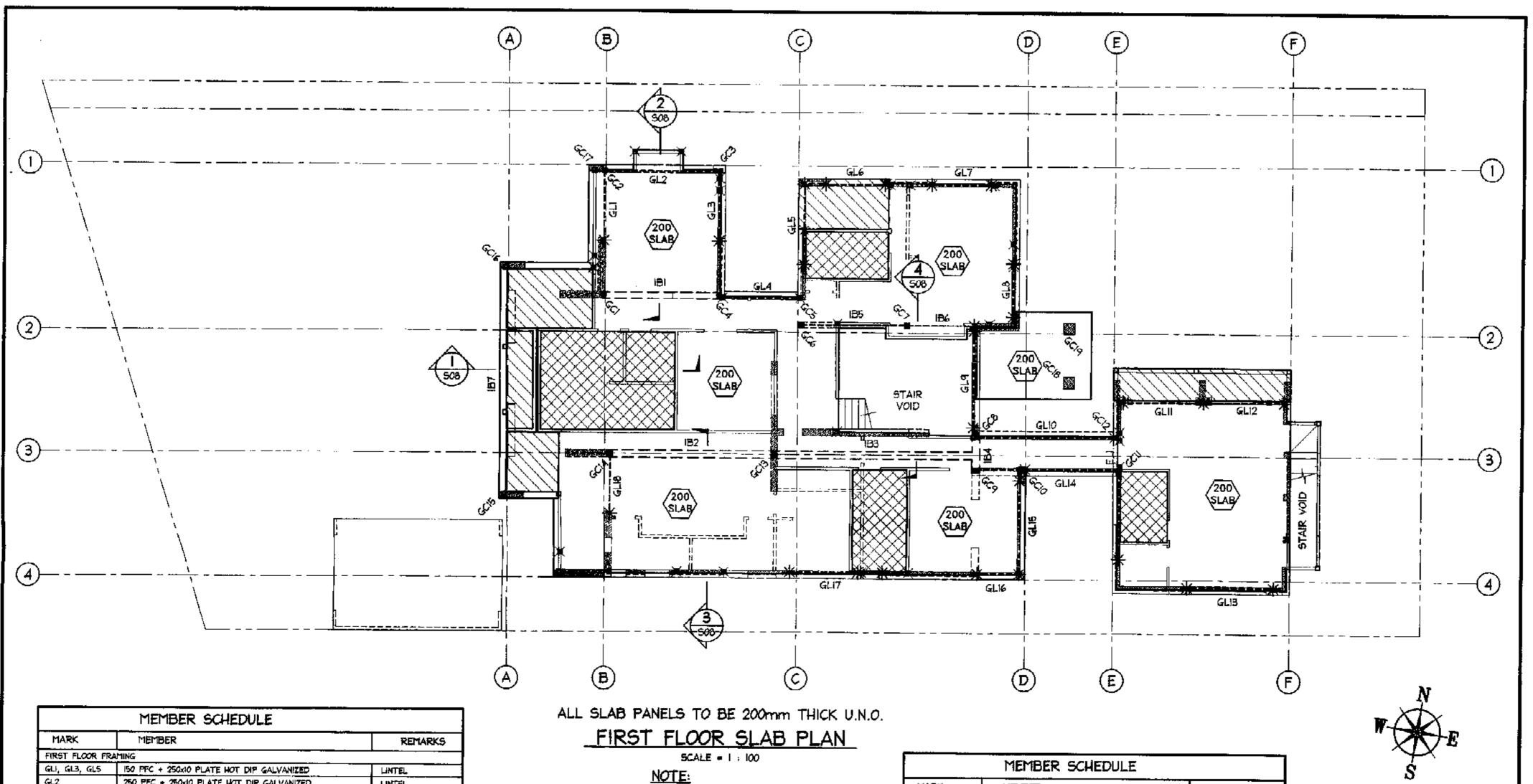
PROPOSED ALTERATIONS at: 8A Nooal Street

Newport for: Gaunt Family









250 PFC + 250x10 PLATE HOT DIP GALVANIZED LINTEL 150x100 GALINTEL INTERNAL SKIN LINTEL 150x100 GALINTEL EXTTERNAL SKIN GL9, GLI3, GLI5 200 PFC + 250xIO PLATE HOT DIP GALVANIZED GLIO 300 PFC + 250xIO PLATE HOT DIP GALVANIZED 150 PFC + 250x10 PLATE CONTINUOUS HOT DIP GALVANIZED GLII, GLIZ LINTEL 200 PFC + 250x10 PLATE CONTINUOUS HOT DIP GALVANIZED GLI4 LINTEL 2 x 150x100 GALINTELS GLI6 LINTEL GLI7, GLI8 150 PFC + 250x10 PLATE HOT DIP GALVANIZED LINTEL FOR LINTEL SPANS LESS THAN 1200mm USE 100x100 GALINTELS GENERAL FRAMING LOAD CONCENTRATION POINT OVER 0 COLUMN OVER BEAM SUPPORT LOCATIONS DIRECT ONTO BRICK WALL BEARING - 100mm MINIMUM END BEARING

CONCRETE STRENGTH: INTERNAL SLABS: f'c = 32 MPa., COVER = 30 mm f'c = 40 MPa., COVER = 45 mm

### LEGEND:

150mm THICK SLAB SET DOWN SOmm FOR DECK



170mm THICK SLAB SET DOWN 30mm FOR FALL IN TILES IN WET AREAS

MARK	MEMBER	REMARKS
FIRST FLOOR FRA	MING	<del></del>
GCI	160x100x6 5H5 HOT DIP GALVANIZED	COLUMN
ect.	100x100x6 SHS HOT DIP GALVANIZED	COLUMN
GC3, GC4	150x100x6 SHS HOT DIP GALVANIZED	COLUMN
GCS	100x100x6 SHS HOT DIP GALVANIZED	COLUMN
GC6, GC7	150x150x9 SHS HOT DIP GALVANIZED	CÓLUMN
GCB, GCI2	ISOXIOOX SHS HOT DIP GALVANIZED	COLUMN
GC9, GCIO, GCII	150x150x9 SHS HOT DIP GALVANIZED	COLUMN
GC 3, GC 4	150x150x9 SHS HOT DIP GALVANIZED	COLUMN
GCIS, GCI6	900x250 REINFORCED CONCRETE	COLUMN
GC17	525x250 REINFORCED CONCRETE	COLUMN
181 - 184 incl	600x270 W REINFORCED CONCRETE	BEAM
185, 186	250 UB 25 CONTINUOUS HOT DIP GALVANIZED	BEAM
(B7	1100x200 W REINFORCED CONCRETE	BEAM

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A2 DOCUMENT CERTIFICATION Lucas Molloy Amendment (Director Northern Be Consulting Engineers)

i am a qualified Structural/Civil Engineer.
I hold the following qualifications: BE(Civil), CPEng, MIEAust., NPER. Institute of Engineers Membership No. 788184

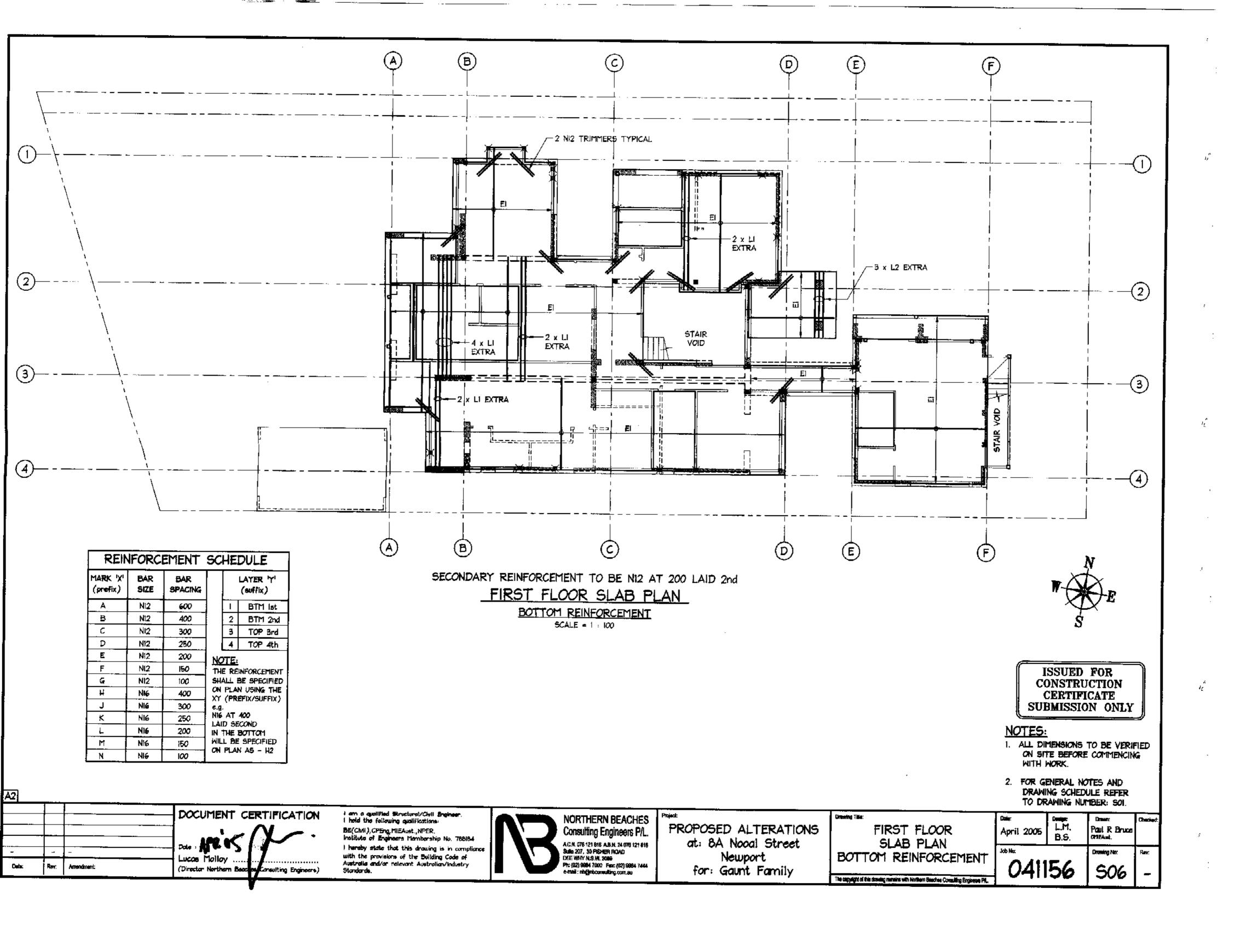
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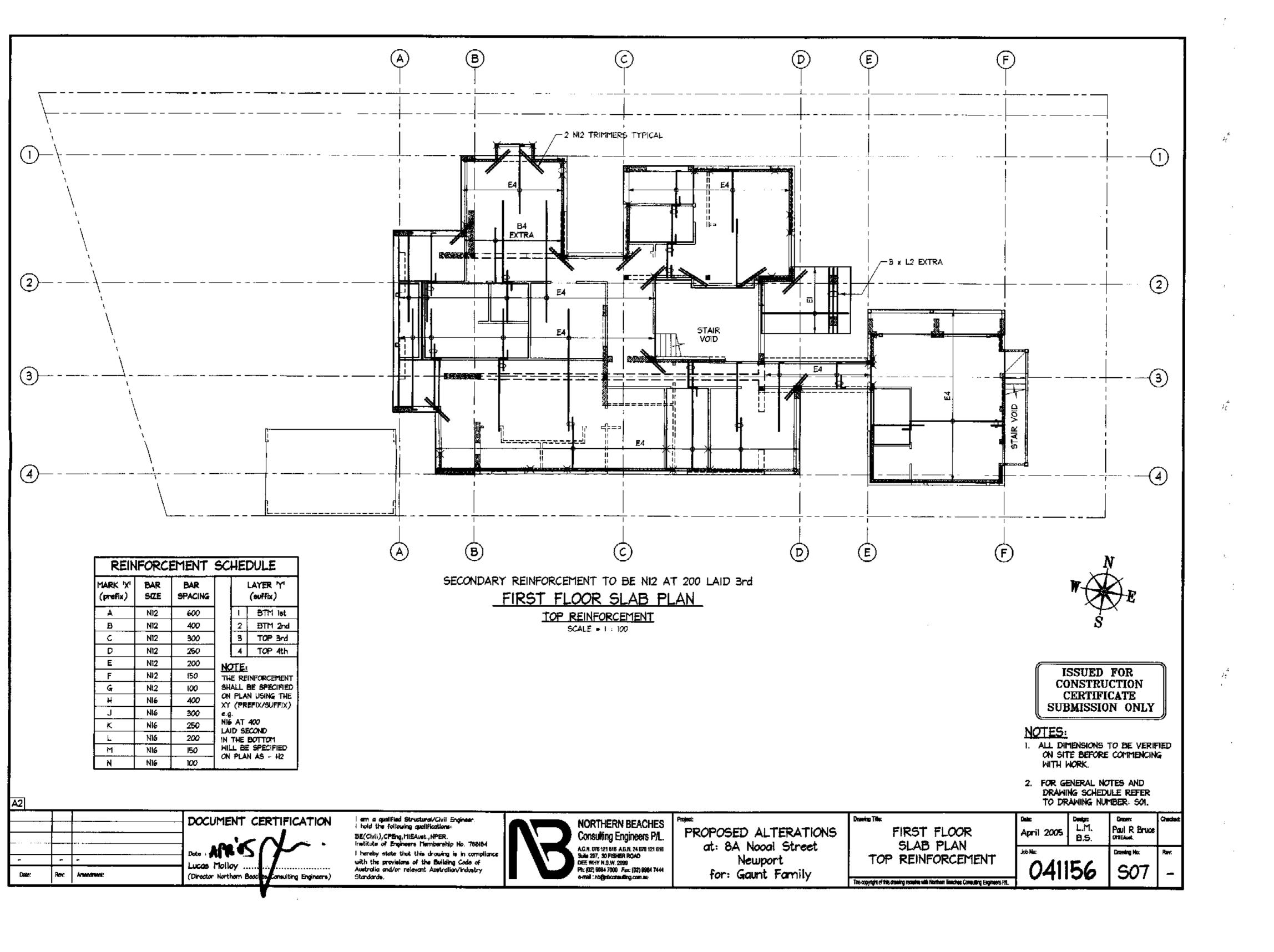
NORTHERN BEACHES Consulting Engineers P/L. A.C.N. 076 121 658 A.B.N. 24 978 121 616 Subb 287, 30 FISHER RICAD DEE WHY N.S.W. 2888 Ph; (02) 9984 7000 Fex; (02) 8964 7444 e-mail: nb@nbconsulling.com.gu

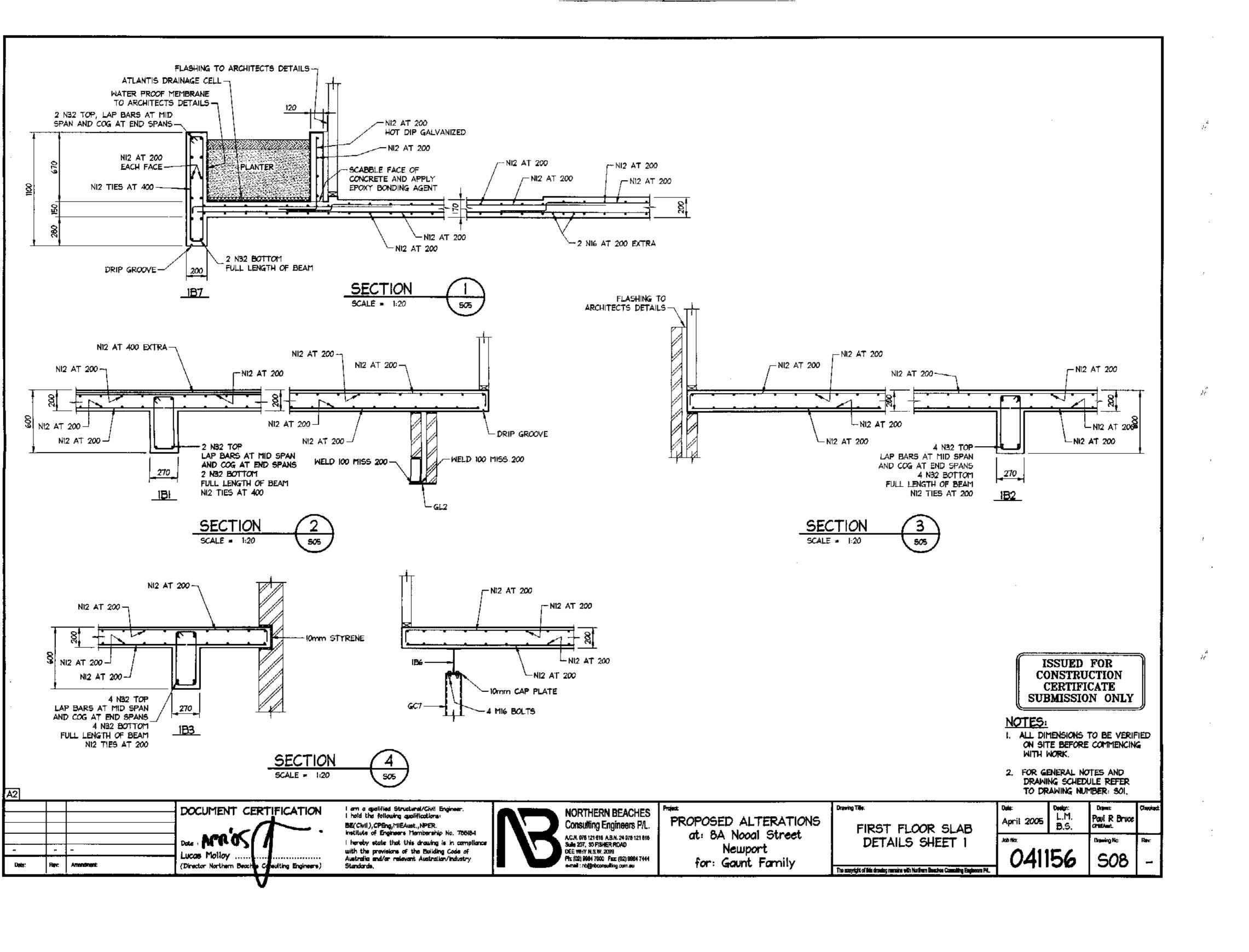
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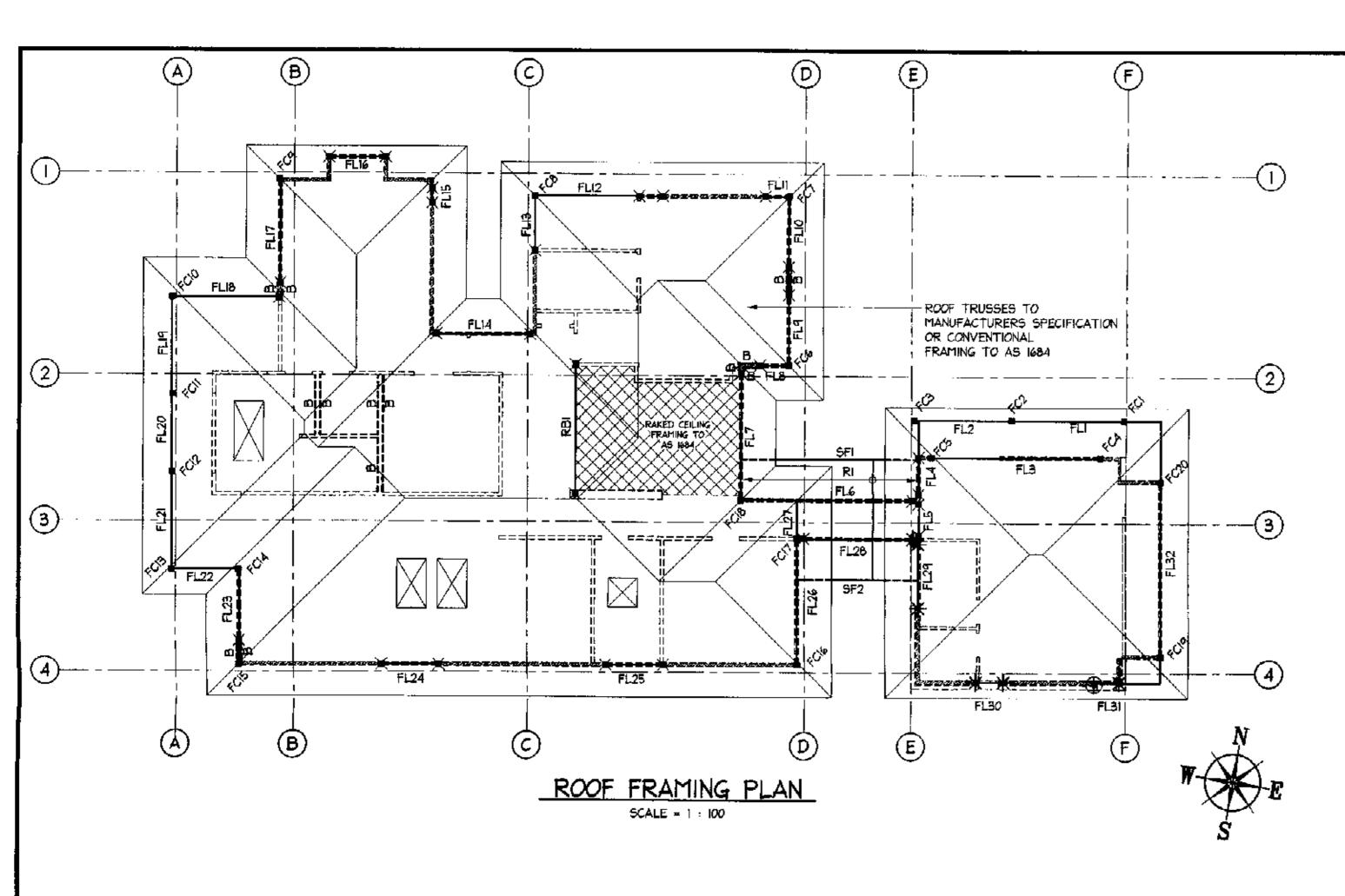
Drawing Title: FIRST FLOOR SLAB PLAN

Coope L.M. Paul R Bruce CHEAmil. April 2005 B.S. Drawing No: S05 The copyright of Ris drawing receivs with Hostham Beaches Consoling Engineers PA.









MC 7	F9:

- ORGANIC TERMITE TREATMENT TO BE CARRIED OUT TO PERIMETER OF ENTIRE BUILDING AND SUB-FLOOR AREAS. ANNUAL INSPECTIONS AND TREATMENT AS REQUIRED SHALL BE THE RESPONSIBILITY OF THE PROPRIETOR.
- 2. WALL FRAMING SHALL BE IN ACCORDANCE WITH AS 1684 TIMBER FRAMING CODE AND NEW TIMBER FRAMING MANUAL, 90x45 FT KILN DRIED TZ TREATED STUDS AT 450 CTS.
- 3. BRACE WALLS AND ROOF IN ACCORDANCE WITH AS 1684 TIMBER FRAMING CODE AND NSW TIMBER FRAMING MANUAL.
- 4. TIE DOWNS TO ROOF RAFTERS AND BEAMS SHALL BE IN ACCORDANCE WITH AS 1684 TIMBER FRAMING CODE AND AS 1170.2 WIND LOADING CODE.
- 5. TRIM ROOF OPENINGS WITH EQUIVALENT RAFTER SIZES UNLESS NOTED OTHERWISE.
- 6. EXTERNAL/EXPOSED HYSPAN LVL OR TASBEAM MEMBERS TO BE SUITABLY PRESERVATIVE TREATED TO HE LEVEL (AS 1604) THEN STAINED OR PAINTED,
- 7. EXTERNAL/EXPOSED HARDWOOD MEMBERS TO BE DURABILITY CLASS 2 OR BETTER (AS 1604) THEN STAINED OR PAINTED.
- B. ENGINEER TO INSPECT AND CERTIFY ALL FRAMING AND BRACING PRIOR TO SHEETING.

MARK	MEMBER	REMARKS	
ROOF FRAMING		13211111111	
FLI, FL2	230 PF C HOT DIP GALVANIZED	LINTEL	
FL3	230 PFC HOT DIP GALVANIZED	LINTEL	
FL4	200x70 F7	LINTEL	
fL5	200×70 F7	LINTEL	
FL6, FL7	400x63 HYSPAN LVL	LINTEL	
FL8 - FLII incl	200x63 HYSPAN LVL	LINTEL	
FLIZ, FLI3	240x63 HYSPAN LVL	LINTEL	
FL14	300x45 HYSPAN LVL	LINTEL	
FL15, FL16	200x63 HYSPAN LVL	LINTEL	
FLI7 - FL23 incl	240x63 HYSPAN LVL	LINTEL	
FL24, FL25	200x63 HYSPAN LVL	LINTEL	
FL26	400x63 HYSPAN LVL	LINTEL	
FL27	200x70 F7	LINTÉL	
FL28	400x63 HYSPAN LVL	LINTEL	
FL29, FL30	2 x 100x100 GALINTELS	LINTEL	
1121 <sub>1</sub> 1130	or 2 x 80x110 ULTRA LINTELS	LINIEL	
	100x100 GALINTELS or	/ ILITE	
LLDI	BOXID ULTRA LINTELS EXTERNAL SKIN	LINTEL	
	230 PFC INTERNAL SKIN	i	
FL32	230 PFC HOT DIP GALVANIZED	LINTEL	
RI	190x45 F7 KILN DRIED	RAFTERS AT 600 CTS	
ŔÐI	400x63 HYSPAN LVL	BEAM	
FCI, FC2, FC3	195x135 F7 H3 TREATED	POST	
FC4, FC5	89x89x6 5H5 HOT DIP GALVANIZED	COLUMN	
FC6, FC7, FC8	90x90 F7	POST	
FC9 - FC15 incl	135x185 F7 H3 TREATED	COLUMN	
FCI6 - FC20 incl	69x69x6 5HS HOT DIP GALVANIZED	COLUMN	
SFI, SF2	2 x 140x45 F7 KILM DRIED	STRUCTURAL FASCIA	
	GLUE AND NAIL LAMINATED		
GENERAL FRAMING			
58	PRYDA STRAP BRACING WITH TENSIONERS T FLOOR JOISTS AND RAFTERS WHERE INDICA'		
A	ANGLE BRACING TO WALLS REFER TYPICAL	DETAILS	
8	PLY BRACING TO HALLS REFER TYPICAL DE	TAILS	
DR	DOUBLE RAFTERS GLUE AND NAIL LAMINATE	D	
N <del>P</del> I	45mm THICK F7 KILN DRIED NAILING PLATE DEPTH TO MATCH ADJACENT MEMBER. FIX TO BRICK WALL WITH MIZ EPOXY SET ANCHORS AT 900 CTS		
NP2	45mm THICK FT KILN DRIED NAILING PLATE MEMBER, FIX TO STUD WALL WITH MIZ COAC		
*	BEAM SUPPORT LOCATIONS DIRECT ONTO BY WALL BEARING - 100mm MINIMUM END BEAR		
×	2 STUDS NAIL LAMINATED or 90x90 F7 POST	LOAD CONCENTRATION POINT BELOW	
<b>①</b>	MIG THREADED ROD THE DOWN TO	TIE DOWN LOCATION	

- 1. ASTERISK ( + ) BESIDE MEMBER SIZE INDICATES MEMBERS DESIGNED TO SUIT ARCHITECTS REQUIREMENTS FOR MINIMUM SIZE, SPACING AND LOCATION OF MEMBERS.
- 2. MGP 12 MAY BE SUBSTITUTED FOR F7 SOFTWOOD OR LESS, MGP 15 MAY BE SUBSTITUTED FOR FILL SOFTWOOD OR LESS.
- MGP MUST NOT BE USED AS A SUBSTITUTE WHERE HARDWOOD IS SPECIFIED. 3. ALL TIMBER SHALL BE KILN DRIED, DO NOT USE GREEN TIMBER.
- 4. ALL SOFTHOOD TIMBER FRAMING TO HAVE A MINIMUM TREATMENT PROTECTION OF H2 or T2 TREATED FOR TERMITE PROTECTION UNLESS NOTED OTHERWISE. 5. PROVIDE BRIDGING TO PURLING AT MID SPAN TO MANUFACTURERS SPECIFICATION,

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Dele:	Rev:	Amendment:	Date : ACC S.  Lucas Molloy (Director Northern Budges Consulting Engineers)
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			MARKEN .
			ا م
			DOCUMENT CERTIFICATION
		_	DOCUMENT CONTINUES
A2			

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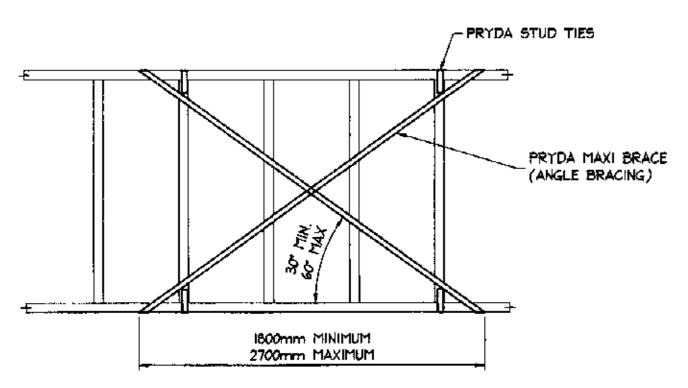
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Driving Title: ROOF FRAMING PLAN

L.M. Paul R Bruce April 2005 B.S. Drawing No: The copyright of this drawing remains with Northorn Beautien Consulting Engineers P.L.

### METAL TENSION STRAP BRACING:

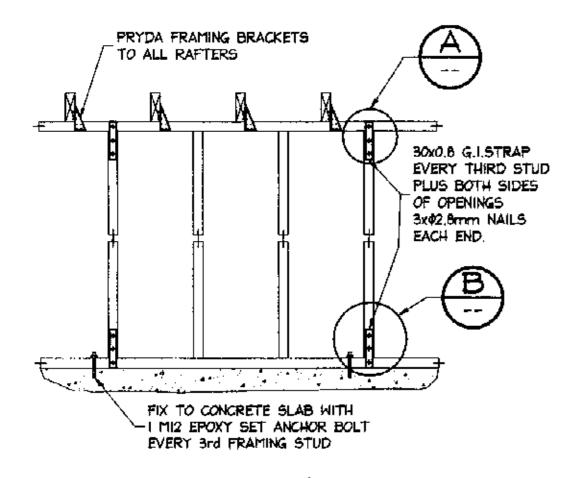
PRYDA MAXI BRACE (ANGLE BRACING) FIXED WITH TWO GALVANISED FLATHEAD NAILS \$3.15mm x 30mm LONG TO EACH STUD, AND THE FACE OF THE TOP AND BOTTOM PLATE. AND FOUR GALVANISED FLATHEAD NAILS \$3.5mm x 30mm LONG TO THE STRAP RETURN OVER THE TOP PLATE ABD UNDER THE BOTTOM PLATE.



### NOTES:

- 1, FOR POWER DRIVEN NAILS AND STAPLES REFER ABOVE.
- 2. NOGGINGS HAVE BEEN OMITTED FOR CLARITY.

### TYPE A - WALL BRACING UNIT SCALE = 1 : 20

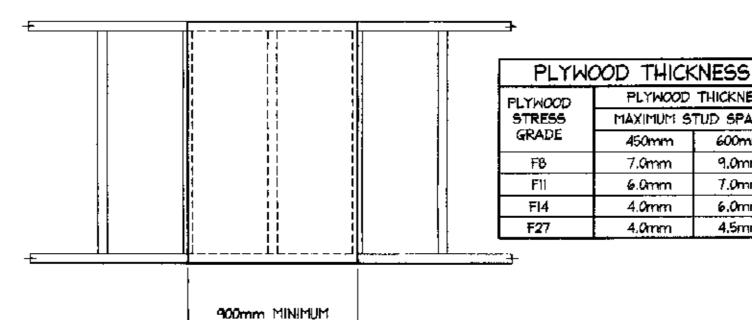


### TYPICAL TIE DOWN DETAIL SCALE = 1 : 20

### PLYWOOD BRACING:

FIX PLYWOOD PANELS WITH GALVANISED FLATHEAD NAILS \$2.8mm x 30mm LONG MINIMUM OR EQUIVALENT AT 50mm CENTRES ALONG TOP AND BOTTOM PLATES, 150mm CENTRES ALONG VERTICAL EDGES AND 300mm CENTRES ALONG

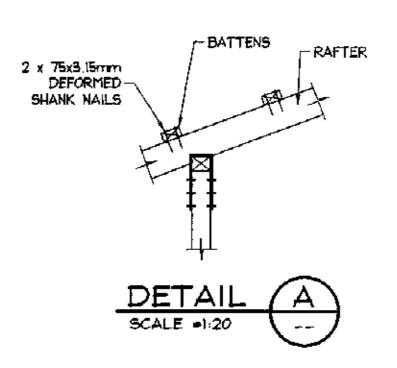
INTERMEDIATE STUDS.
NAILS SHALL BE LOCATED A MINIMUM OF 7mm FROM PANEL EDGES.
POWER DRIVEN GALVANISED NAILS OR COATED STAPLES MAY BE USED WHERE THEY PROVIDE AT LEAST THE EQUIVALENT STRENGTH TO HAND DRIVES \$2.8mm x 30mm LONG GALVANISED CLOUTS OR FLATHEAD NAILS. IN THE CASE OF POWER DRIVEN STAPLES. STAPLE SPACING SHALL BE 35mm CENTRES AT TOP AND BOTTOM PLATES, IOOMM CENTRES AT VERTICAL PLYWOOD EDGES AND 200mm CENTRES ALONG INTERMEDIATE STUDS.

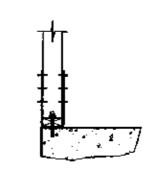


- I, FOR PLYWOOD THICKNESS REFER TO TABLE.
- 2. FOR POWER DRIVEN NAILS AND STAPLES REFER ABOVE.
- 3. PANEL EDGES SHALL BE SUPPORTED BY STUDS. 4. NOGGINGS HAVE BEEN OMITTED FOR CLARITY.
- TYPE B WALL BRACING UNIT

SCALE = 1 : 20

30mmx0,8mm_G,I,	STRAP WITH	NAILS A	45 PER E	BELOW
OPENING	Τ.	TIE DOWN DISTANCE		
MIDTH	2.5m	3.6m	5.2m	6.7m
1200mm	3	3	3	4
1800mm	3	3	4	6
3000mm	3	6	-	-
4800mm	6	-	-	<b>-</b>





PLYWOOD THICKNESS

MAXIMUM STUD SPACING

600mm

9.0mm

7.0mm

6.0mm

4.5mm

450mm

7.0mm

6.0mm

4.0mm

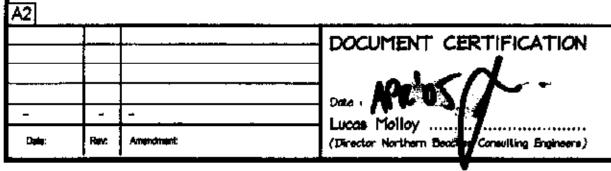
4.0mm



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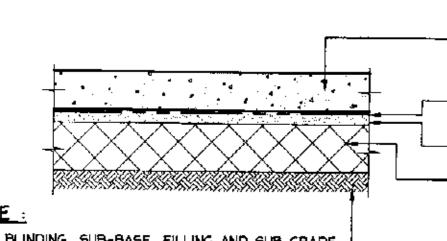


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PROPOSED ALTERATIONS at: 8A Nocal Street Newport for: Gaunt Family

Agwing Title:	
	FRAMING DETAILS

Deelgn: L.M. Paul R Bruce CHEAnt. April 2005 B.S. 041156 511 The copyright of this chaning researce with Northern Beaches Consulting Engineers PAL



NOTE :

SAND BLINDING, SUB-BASE, FILLING AND SUB GRADE TO BE MECHANICALLY COMPACTED TO A DRY DENSITY RATIO OF NOT LESS THAN 96% MAXIMUM DRY DENSITY TO A.S. 1289/E4.2 1982. ALL AREAS TO BE TESTED BY GEOTECHNICAL ENGINEER AND RESULTS FORWARDED TO STRUCTURAL ENGINEER PRIOR TO POURING CONCRETE.

REINFORCED CONCRETE SLAB REFER DETAILS.

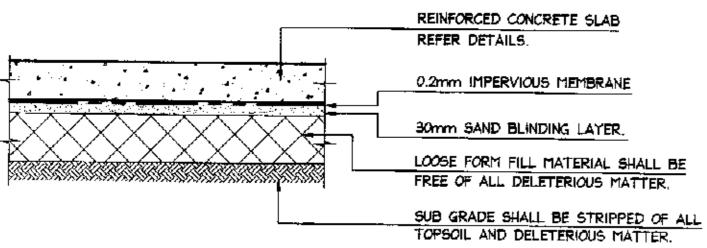
0.2mm IMPERVIOUS MEMBRANE

30mm COMPACTED SAND BLINDING LAYER.

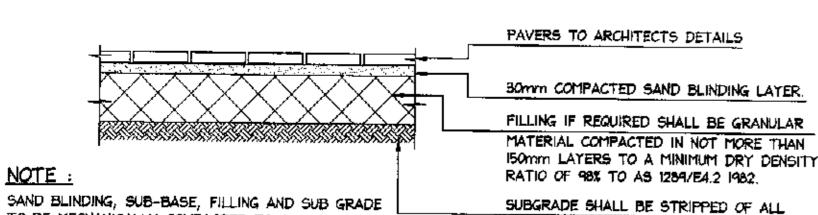
FILLING IF REQUIRED SHALL BE GRANULAR MATERIAL COMPACTED IN NOT MORE THAN 150mm LAYERS TO A MINIMUM DRY DENSITY RATIO OF 98% TO AS 1289/E4.2 1982.

SUBGRADE SHALL BE STRIPPED OF ALL TOPSOIL AND DELETERIOUS MATTER. APPROVAL SHALL BE OBTAINED FROM THE ENGINEER PRIOR TO PLACING FILL

TYPICAL SLAB PREPARATION TYPE A SLAB ON GRADE

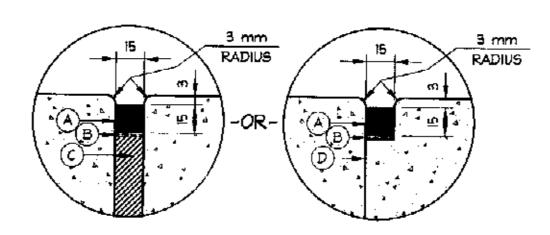


### TYPICAL SLAB PREPARATION TYPE B SUSPENDED SLAB ON LOOSE FORM FILL



TO BE MECHANICALLY COMPACTED TO A DRY TOPSOIL AND DELETERIOUS MATTER. DENSITY RATIO OF NOT LESS THAN 98% APPROVAL SHALL BE OBTAINED FROM MAXIMUM DRY DENSITY TO A.S. 1289/E4.2 1982, THE ENGINEER PRIOR TO PLACING FILL

### TYPICAL PAVER PREPARATION PAVERS ON GRADE



- THIOFLEX 600 POURING OR GUN GRADE SEALANT BY PARBURY TECHNOLOGIES OR APPROVED EQUIVALENT.
- POLYETHYLENE TAPE BOND BREAKER
- FLEXIBLE FOAM OR SELF EXPANDING CORK REFER DETAILS
- KEYED JOINT OR SAW CUT JOINT

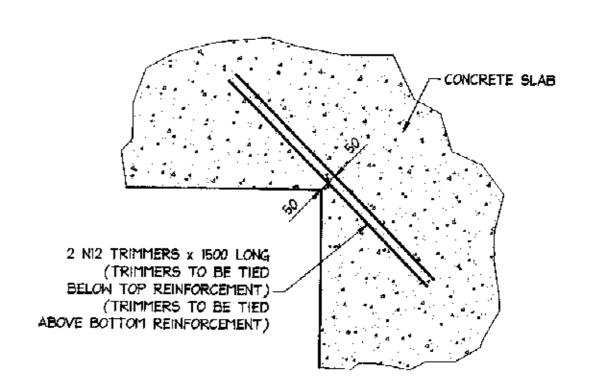
NOTE : THIOFLEX 600 POURING GRADE IS SUITABLE ONLY FOR HORIZONTAL JOINTS WITH SOUND BACKING, FOR INCLINED OR VERTICAL JOINTS THIOFLEX 600 GUN GRADE SHOULD BE USED. BOTH GRADES OF THIOFLEX 600 SHALL BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.

### TYPICAL JOINT SEALANT DETAILS

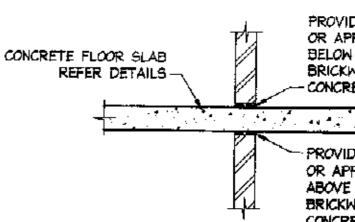
N.T.S.

CONCRETE FLOOR SLAB

REFER DETAILS-



TYPICAL TRIMMER DETAIL



PROVIDE SLIPJOINT BY VESPOL OR APPROVED EQUIVALENT BELOW ALL LOAD BEARING BRICKWORK SUPPORTING CONCRETE FLOOR SLABS

PROVIDE SLIPJOINT BY VESPOL OR APPROVED EQUIVALENT ABOVE ALL LOAD BEARING BRICKWORK SUPPORTING CONCRETE FLOOR SLABS

TYPICAL SLIP JOINT DETAIL FOR LOAD BEARING BRICK WALLS SCALE = 1 : 20

PROVIDE SLIPJOINT BY VESPOL OR APPROVED EQUIVALENT ABOVE ALL LOAD BEARING BRICKWORK SUPPORTING CONCRETE FLOOR SLABS

REFER NOTE CILON DRAWING NUMBER SOI

### TYPICAL VERTICAL SHRINKAGE CONTROL JOINT DETAIL FOR LOAD BEARING BRICK WALLS

SCALE = 1 : 20

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10mm FLEXIBLE SEPARATION MATERIAL.

WHERE CONCRETE AND BRICKWORK COME

APPLY TO ALL VERTICAL SURFACES

INSTRUCTED BY THE ENGINEER OR SPECIFIC DETAIL IS PROVIDED ELSEWHERE IN THE PLANS

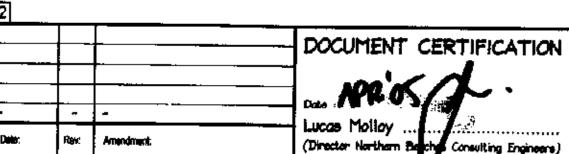
TOGETHER (UNLESS IMPLICITLY

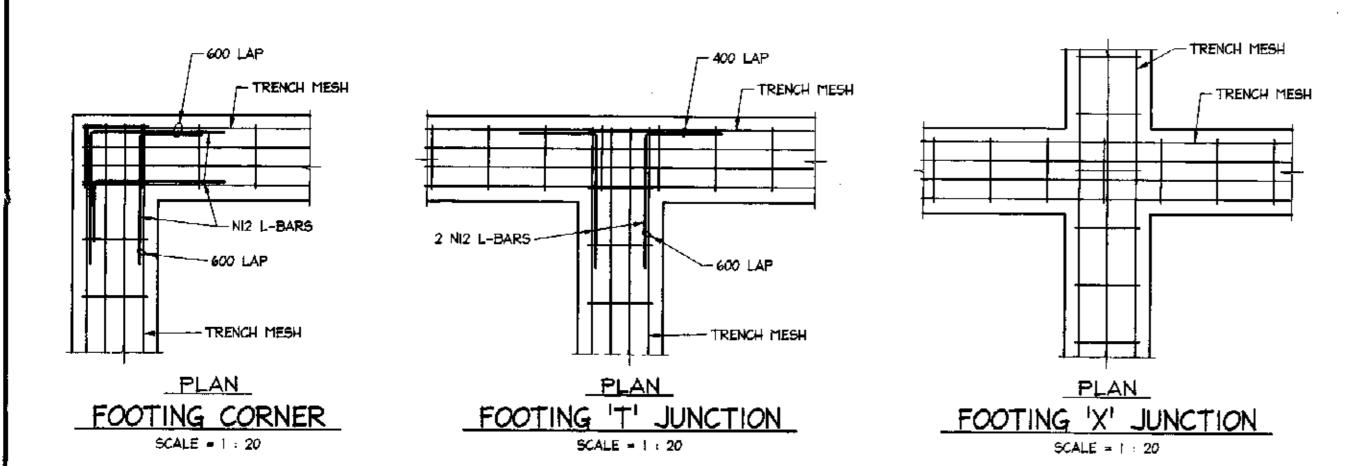
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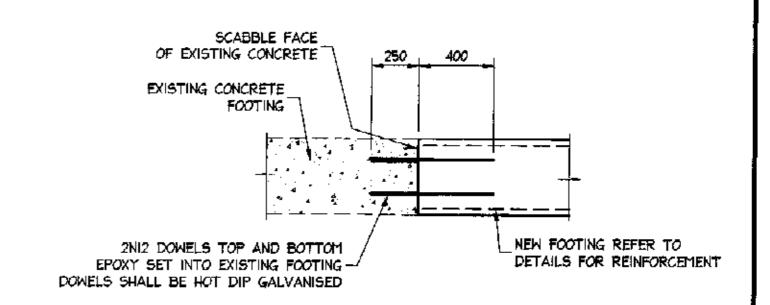
MISCELLANEOUS SLAB AND FOOTING DETAILS SHEET I

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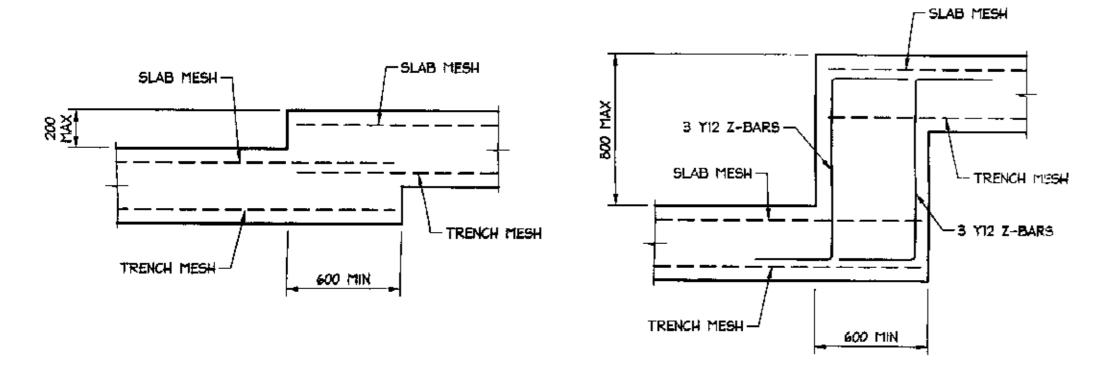
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Date:	Design:	Drawn:	Chapted:
April 2005	L.M. B.S.	Poul R Bruce CHEANA	
Job No:	-	Drawing No:	Rev:
0411	56	513	_







EXISTING TO NEW FOOTING DETAIL SCALE = 1 : 20

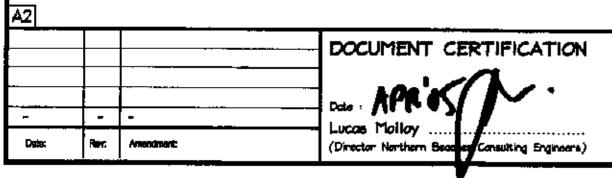


TYPICAL STEP FOOTING DETAILS

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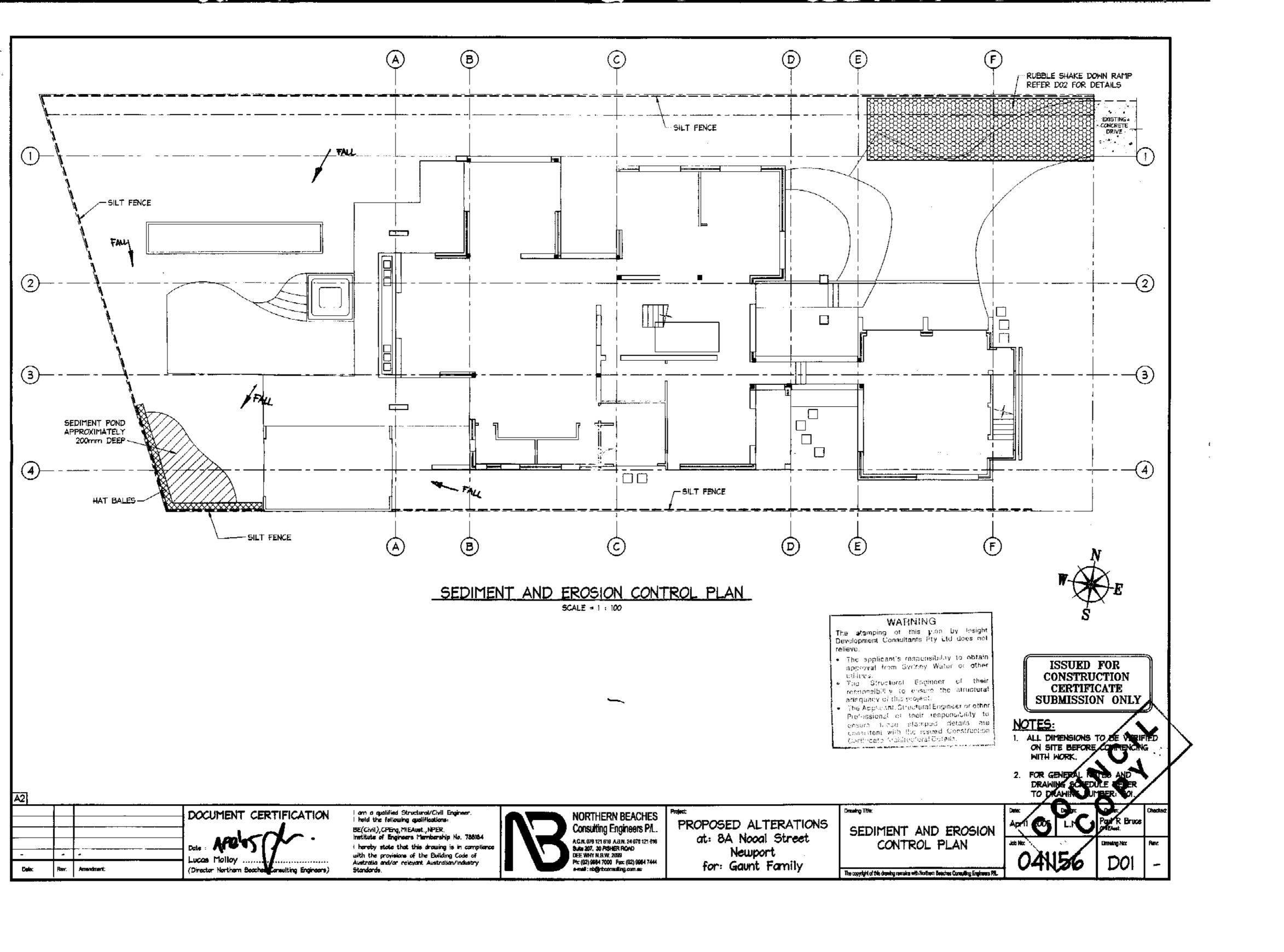
NORTHERN BEACHES Consulting Engineers P/L. A.C.N. 078 121 616 A.B.N. 24 076 121 616 Subs 207, 30 FRSHER ROAD DEE WHY N.S.W. 2009 Ptc (02) 9984 7000 Fasc (02) 9984 7444 e-mail: nb@nboomsalting.com.au

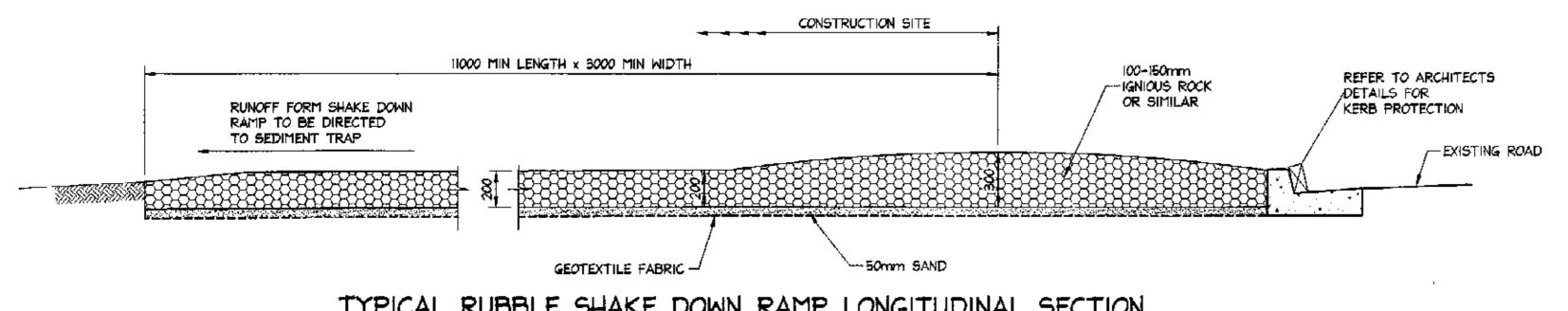
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Drawing Title: MISCELLANEOUS SLAB AND FOOTING DETAILS SHEET 2

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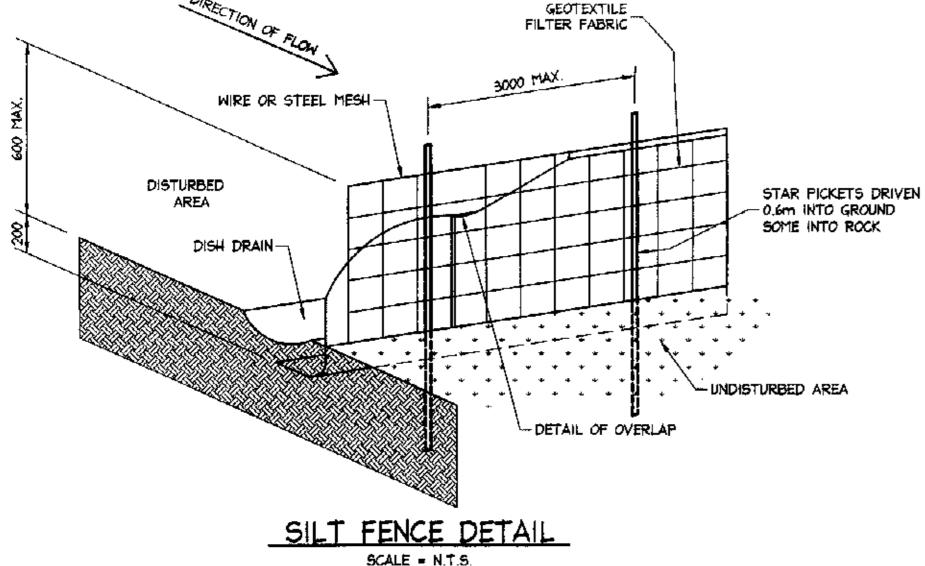


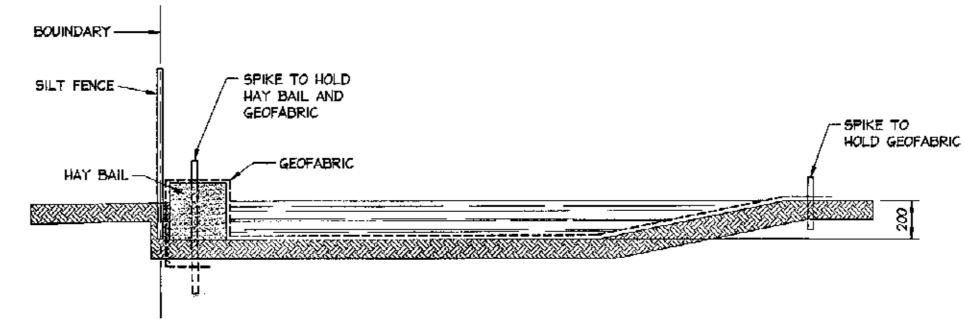


### TYPICAL RUBBLE SHAKE DOWN RAMP LONGITUDINAL SECTION

### SEDIMENT CONTROL:

- I. INSTALL SEDIMENT CONTROL STRUCTURES IN LOCATIONS INDICATED ON DRAWINGS AND AS OTHERWISE REQUIRED TO CONTROL SEDIMENT DURING ALL EXCAVATIONS AND WHILST AREAS OF THE SITE ARE EXPOSED TO EROSION.
- 2. CONTROL STRUCTURES TO BE AS DETAILED OR AS OTHERWISE REQUIRED BY CERTIFYING AUTHORITY.
- REVIEW CONTROL MEASURES AND MAINTAIN STRUCTURES DURING CONSTRUCTION.
- 4. IF ADDITIONAL MEASURES ARE REQUIRED FOR EROSION CONTROL OR BY COUNCIL REQUIREMENTS REFER TO "URBAN EROSION AND SEDIMENT CONTROL" GUIDELINES PREPARED BY THE DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT.





### SETTLEMENT POND SECTION

SCALE = 1 : 20

### SCHEDULE OF WORKS:

- 1, SILT FENCE AND ASSOCIATED WORKS INCLUDING INTERCEPTOR DRAIN IS TO BE INSTALLED BEFORE THE COMMENCEMENT OF ANY EXCAVATION.
- 2. CUTS TO BE EXECUTED TO THE REQUIRED LEVEL USING CONVENTIONAL EXCAYATION MACHINERY, INITIALLY THE DEPTH OF FILL/CLAY IS TO BE ESTABLISHED TO ENSURE NEIGHBOURING PROPERTIES ARE NOT ADVERSELY AFFECTED. EARTH BATTERS TO BE A MAXIMUM SLOPE OF LO m VERT. TO 1.7 m HORIZ. (AS PER GEOTECHNICAL REPORT). ANY BATTERS GREATER THAN 1.0 m VERT, TO 1.7 m HORIZ. ARE TO BE ADEQUATELY SHORED IN ACCORDANCE WITH THE ENGINEERS DETAILS AND INSTRUCTIONS.
- 3. ANY PERMANENT RETAINING STRUCTURE IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERS DETAILS AND INSTRUCTIONS.
- 4. ALL PERMANENT RETAINING STRUCTURES ARE TO BE COMPLETED WITH MINIMUM DELAY FOLLOWING EXCAVATION.

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Date:	Rev.	Amendment:	(Director Northern Boaches Consulting Engineers)
-	-	•	Lucas Mollay
			Date: MR 05  Lucas Molloy
			DOCUMENT CERTIFICATION
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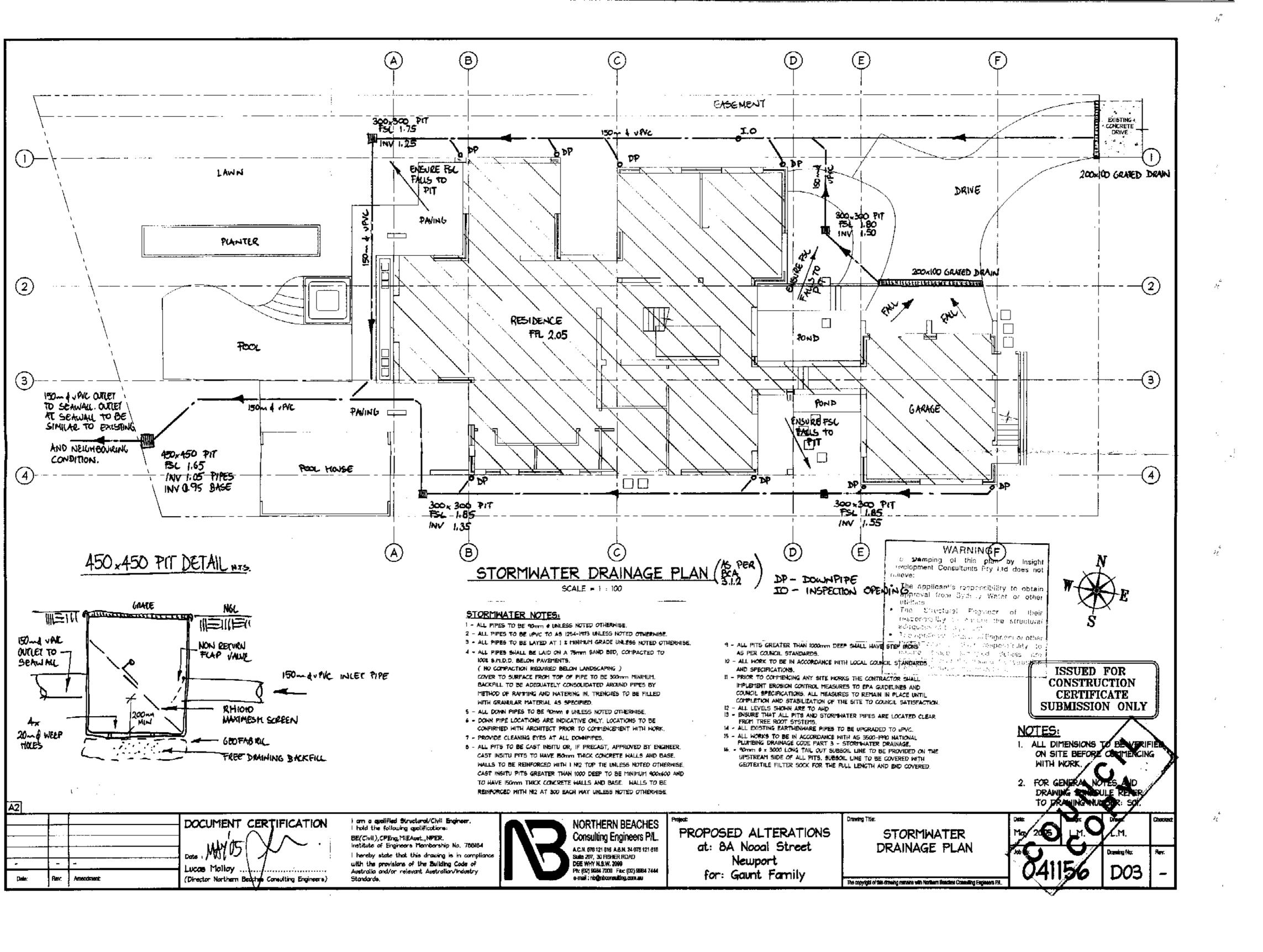
PROPOSED ALTERATIONS at: 8A Nooal Street Newport for: Gaunt Family

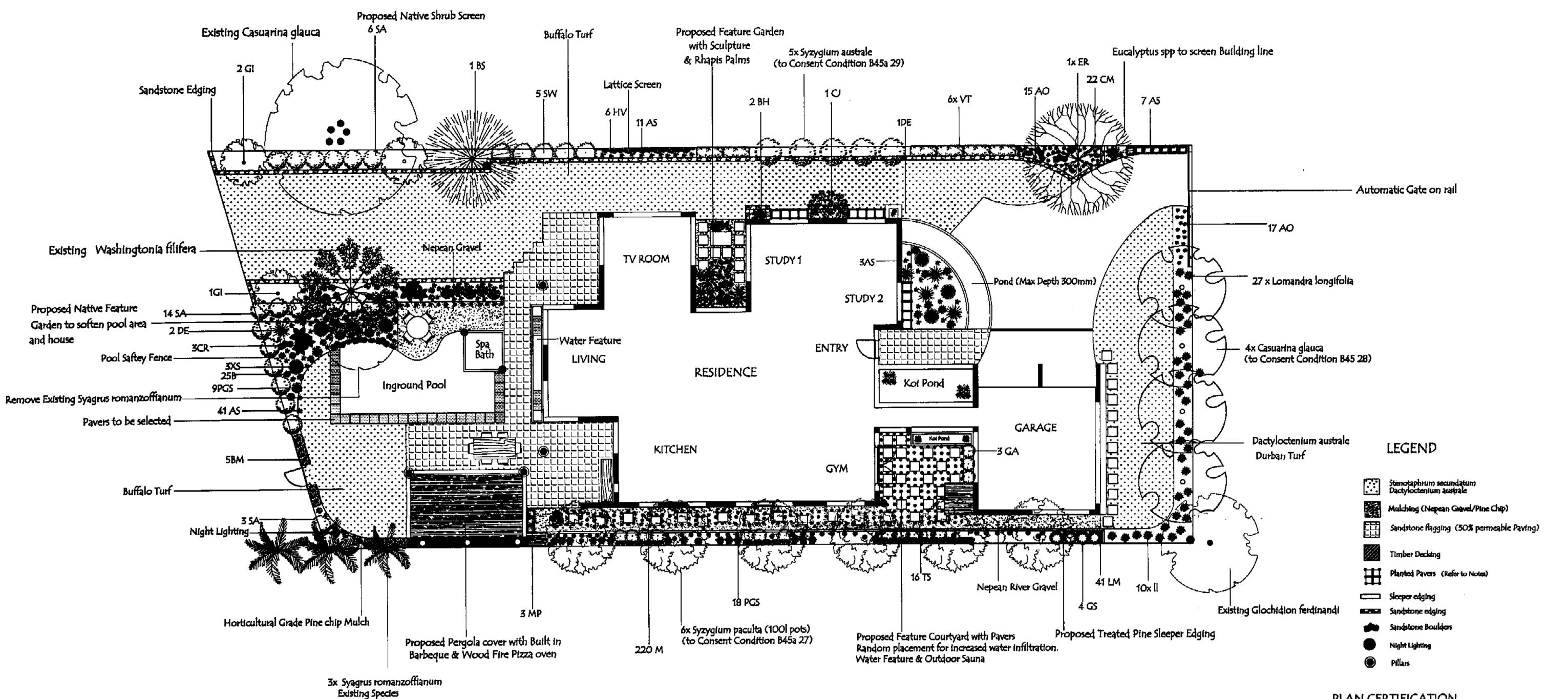
SEDIMENT AND EROSI	O
CONTROL DETRIES	

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Drawing Title:

BION B	outs: April 2005	L.M.	Draws Pool R Bruce Otteaut,	
	Job Max		Drawing No:	
	041156		D02	
Engineers PIL.	• 111			





Symbols	Botanical Name:	Common Name	Pot Sta	Height	GI 🕚 .	Grevilles Tvan
	7	TREES			SW 💍	Syzygium
ен 🎇	Eucalyptus robusta	Swamp Mahogany	loor	8-15m	s ŏ	Syzyglur
∞ 🐼	Syzygium paculta	Megenta Lilly Piliy	1001	5–8m	GA 🕡	Gardenia
« (گُرُمْ)	Casuarina glauca	Swamp Oak	1001	8–12m	BH 💥 DE 🎉	Botonia l
SR 🕊	Syagnus нотапхо/Папшт	Cocos Palm (Existing)	Existing species	4-10m	XS 💮	Doryani Xantho
BS A	Banksia serrata	Old man banksia	100	5-8m	vr 🕮	Vibun
					HV 🛶	Hardenber
	NOTE: ALL E	XISTING TREES MA	ARKED 🌑		AS 🗂	Acmount st
	GROV	ND COVERS			вм 📸	Busus microp
см 🏶	Clives minata	Kaffir Lilly	8*	30-50cm	G 🔘	Grevilles sp
•	Agapanthus orientalis	Agapanthus	6*	30-50cm	CR 🛊	Сусая гемс

Kangaroo Paw

Lilly Turf

Bromelijde

Mondo Grass

Mat rush

M a Ophiopogon (aponicus

II 🌞 Lomandra kongifolia

50-50cm

20-30cm

30-50cm

10-20cm

500cm

PLANT SCHEDULE

SHRUBS								
GI 🕚	Greville: "Ivan Hoe"	van Hoe Grevilles	51	2-4m				
SW 🔘	Syzygium wilsonii	Powder Puff Lilly Pilly	51	2-9m				
sa 🔘	Syzygium australe	Bush Cherry	5	4-10m				
GA 🗑	Gardenia augusta	Cape of Good Hope Jasmine	12*	2-3m				
вн 🛶	Boronia heteraphylla	Red Bosonia	12"	2-5m				
DE 🎇	Doryanthus excels	Gymea Lilly	ភ	2-5m				
xs 🌑	Xanthorrhoea arborea	Broad Leafed Grass Tree	51	3-5m				
vт 📖	Viburnum tinus	Vibumum	12*	3-5m				
HV •••	Hardenbergta violacea	Native Lilac	12*	Climb <del>er</del>				
AS 🛱	Acmeana smithii	Lity 위lly	12"	5–8m				
вм 📸	Busus microphylla	Japanese Box	12*	2m				
ය <b>()</b>	Grevilles speciosa	Red Spider Flower	12"	2-4m				
CR 🛊	Cycas revoluta	Japanese Sago Palm	되	2–4m				
PGS 🀞	Grevilles "Poorinds Royal Mantile	Roya! Mantle Grevillea	12*	50cm				
DA	Dactyloctenium australe	Durban Grass						
SS	Stenotaphrum secundatum	Buffelo Grass						
*	Rhapts excelsa	Lady Palm Existing S	ipedes					

### LANDSCAPE NOTES (GUIDELINES)

### GENERAL

THIS DRAWING HAS BEEN DRAFTED FOR CONSTRUCTION CERTIFICATE PURPOSES ONLY FOR ALL EXISTING AND PROPOSED LEVELS, REFER TO ARCHITECTS DRAWINGS

FOR SITE COVERAGE CALCULATIONS, REFER TO ARCHITECTS DRAWINGS

DO NOT SCALE FROM DRAWING

SITE PREPARATION

All topsoil excavated shall be stockpiled onsite and reused in garden bods.

All building rubbish, sticks, rocks and unwanted material to be removed from soil.

Remove all weeds rubbish and unwanted material from proposed garden beds, only approved. Herbicide may be used. Hand cultivate soil to a depth of 200mm min & apply compost to poor soils.

PLANTING

All planting is to be carried out in accordance with Plant Schedule and Concept plan. No substitues of species will be accepted unless approved by Landscape Designer. Do not plant plants in extreme weather. Water plants well before and after planting. Fertilize exotic plant species with a Complete Fertilizer and Non Phosphorus

Fertilizer for Native species. (as per manufacturer's instructions)

Two Mulches are to be used for Garden beds "Horticultural Grade fine pine bank chips (15mm) Supplied by Astralian Native Landscapes Pty Ltd. Spead mulch to a min depth of 75mm.

For pavers "Nepean River Gravel 10mm" Supplied by Australian Native Landscapes Pty Ltd. to be spread to a min depthevelopment Consultants Pty Ltd does not Plan: 50mm. Apply mulch as per plan.

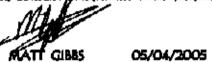
PAVERS

Pavers are to be layed on compacted roadbase with 200mm mortar bed with a 100mm spacing allowing for water infiltration. Mondo grass and Nepean River gravel will be used, plant as per plan.

All turf to be layed on a bed of Turf Underlay as Supplied by Astralian Native Landscape Pty Ltd to a min depth 50mm. The Applicant, Structural Engages or other For Turf species refer to Plant Schedule.

### PLAN CERTIFICATION

I, Matt Gibbs, the undersigned, am a practising Horticulturist & Landscape Designer , suitably qualified to certify this component of the project. This plan has been prepared in accordance with Pittwater Council's DCP 23 Landscape & Vegetation Management 06/99 and Consent Conditions: 845a 1,2,3,10,11,27,28,29,30,31, D193



Certificate Architectural Details.

