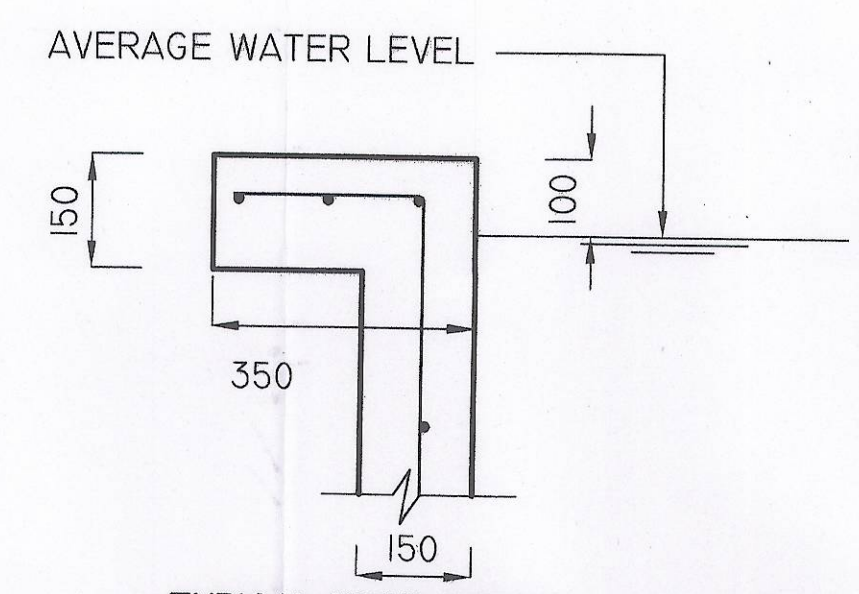
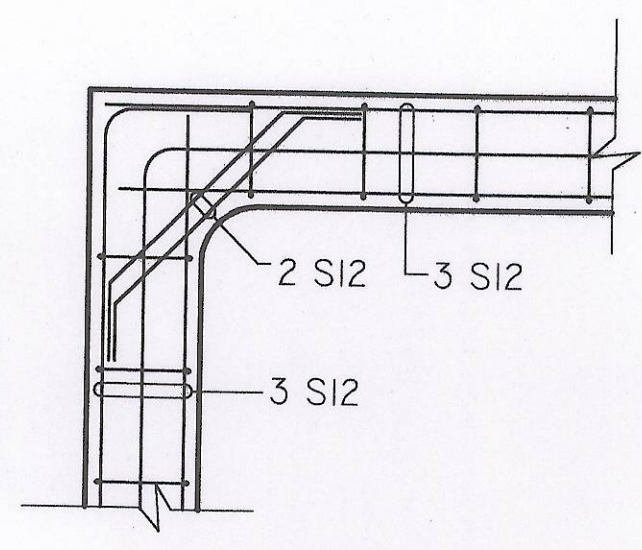


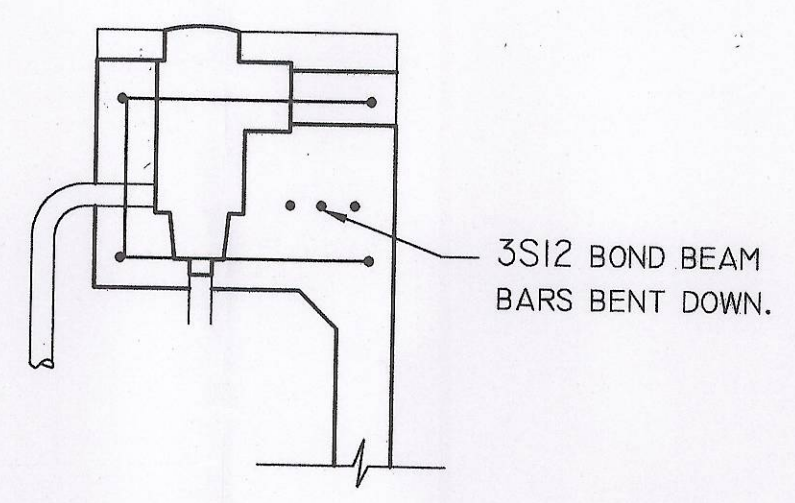
MAIN DRAIN DETAIL



TYPICAL EDGE DETAIL

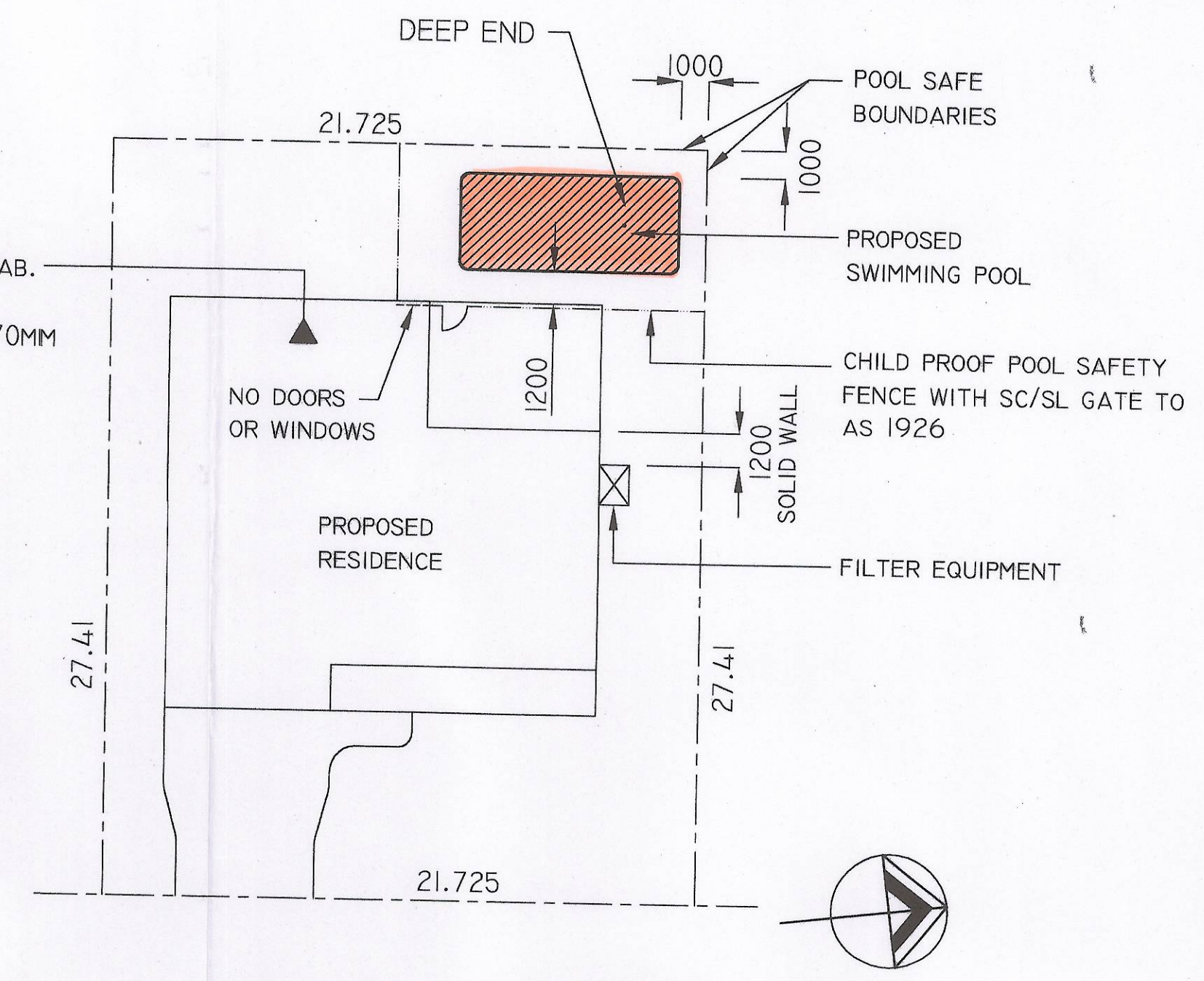


CORNER DETAIL, BOND BEAM



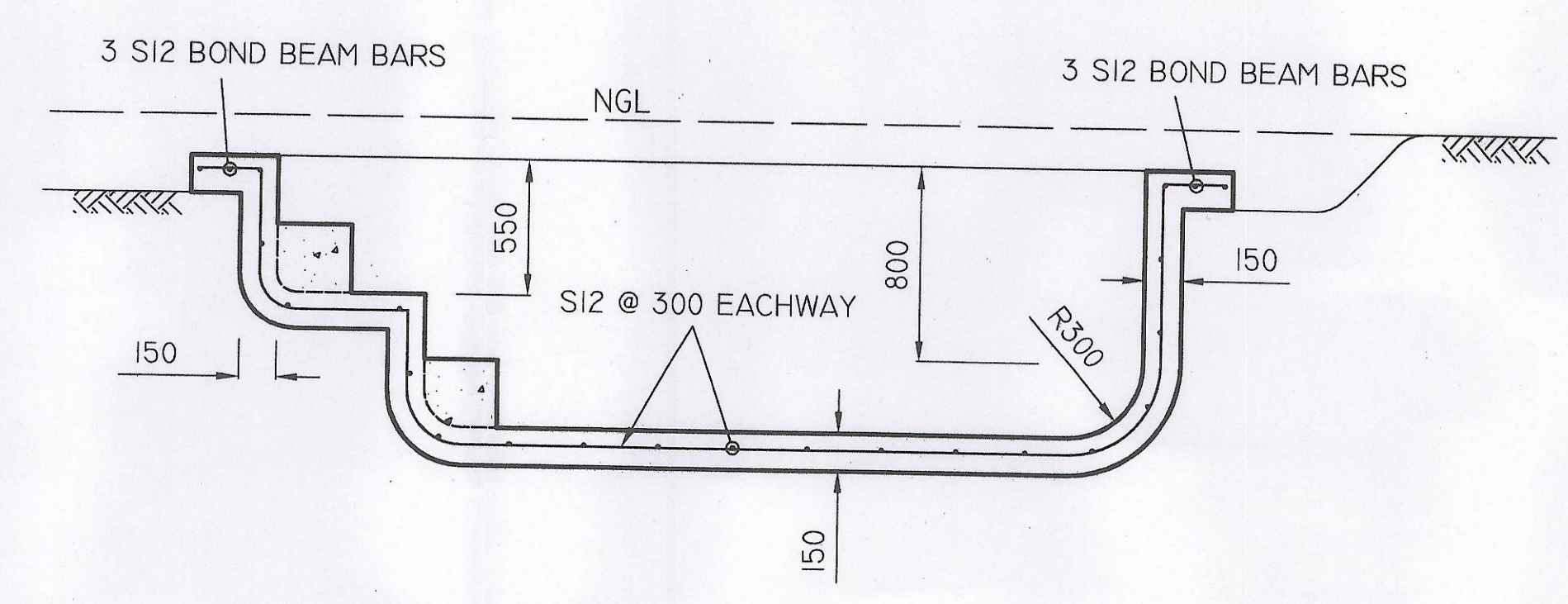
SKIMMER BOX DETAIL

DATUM - FFL HOUSE SLAB.  
RL 21.92  
TOP OF COPING TO BE 70MM  
BELOW DATUM.  
RL 21.85

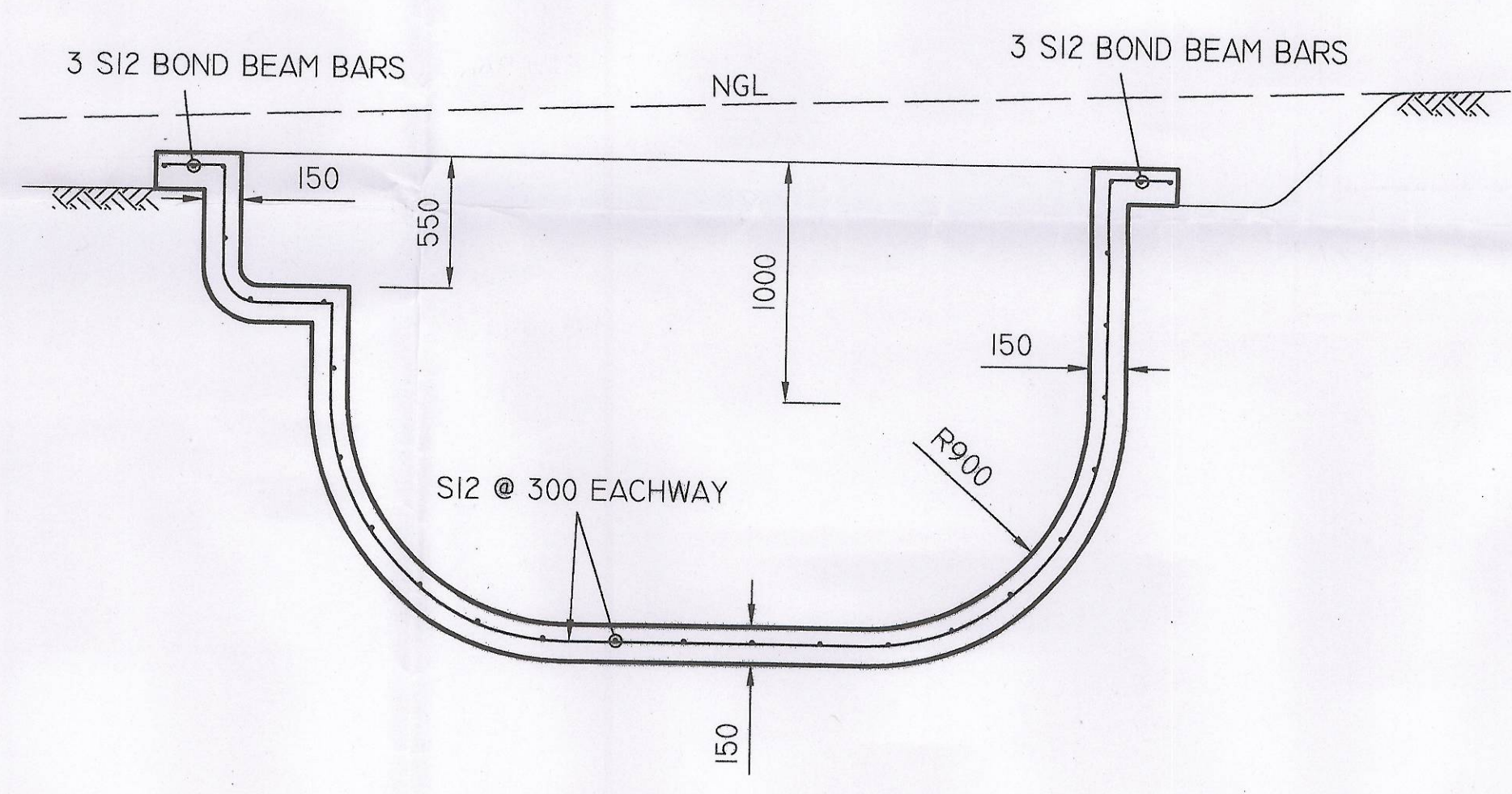


PAXTON STREET

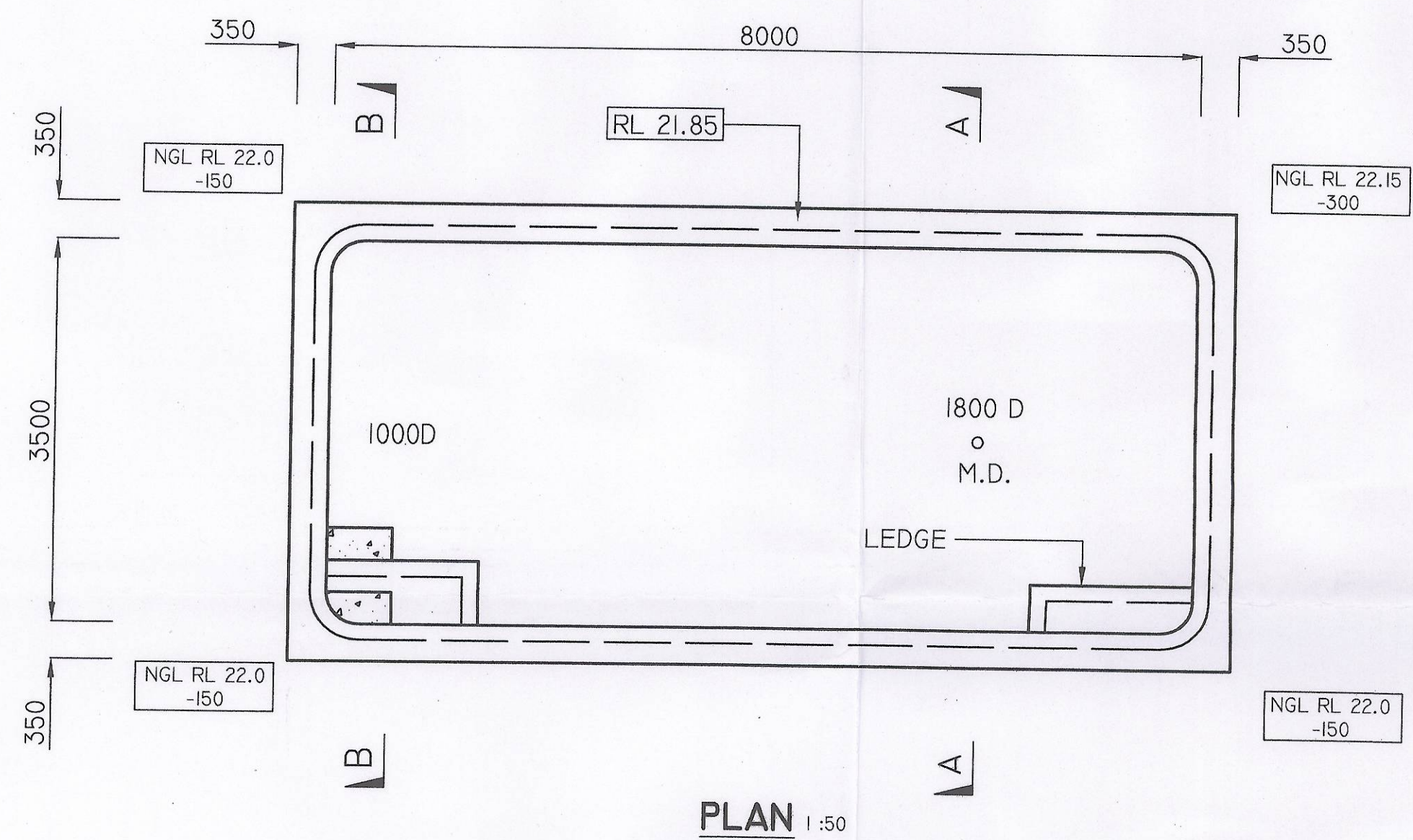
SITE PLAN 1:200



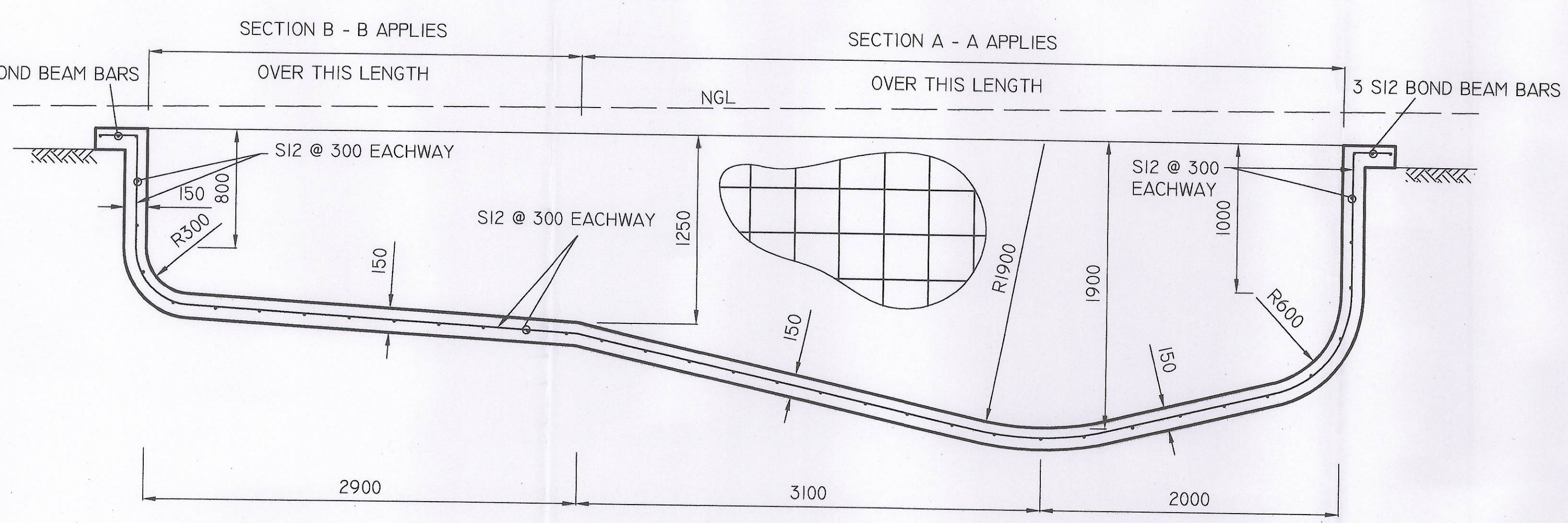
SECTION B - B 1:25



SECTION A - A 1:25



PLAN 1:50



LONGITUDINAL SECTION 1:25

NOTES FOR OWNERS

- POOL SET OUT**  
Pool set-out size, location and height level is deemed to be acceptable to the owner unless the builder is advised otherwise. Such advice must be prior to placement of reinforcement.
  - CURING CONCRETE**  
After concreting, the pool shell is to be thoroughly wetted down twice daily for at least (7) days (ten (10) days in summer).
  - SAFETY FENCES**  
Safety fencing is to be Council approved prior to the pool being filled.
  - FILLING POOL**  
Hose to be prevented from swishing around during filling. DO NOT use rubber hoses.
  - UNDERWATER LIGHTS**  
Lights must be fully submerged during use.
  - WALKWAYS AND COPINGS**  
Walkways and copings are designed for a 2 kPa live load and are not designed to support masonry walls unless noted otherwise.
- SPECIFICATIONS**
- All workmanship and materials to be in accordance with Australian Standard AS 2783.
  - Site Plan dimensions are to water face U.N.O.
  - Dimensions shall not be obtained by scaling the details.
  - All levels and dimensions are relative to concrete coping level. Fixed Datum represents the fixed coping height/level. Approximate coping levels are represented as follows:  
a) NGL +200 represents 200 mm above existing Natural Ground Level.  
b) NGL -400 represents 400 mm below existing Natural Ground Level.
  - Provide filter with matched pump and plumbing to manufacturers recommendations.
  - Supporting soil to be stable natural material with a min. safe bearing capacity of 100 kPa.
  - Advise Engineer if excavation in fill or ground water is encountered. Provide temporary penetrations to floor slab if ground water level exceeds 500 mm above deep floor level.
  - The excavation base is to be provided with an undershell drainage layer as follows:  
a) 75 min. blue metal drainage layer, or 50 min. thick layer with plastic over.  
b) Corrugated iron sheeting & membrane if over rock.  
c) Plastic layer only if base is entirely in sand.  
d) Main Drain pit is to be blue metal filled irrespective of drainage layer type.
  - All reinforcement to be of Australian Manufacture in accordance with S.A.A. Standards.  
S - Grade 230 structural grade deformed. R - Grade 230 plain grade round.  
Y - Grade 410 tempore grade bars. F - Grade 450 hard drawn wire fabric.
  - Reinforcing bars, unless noted otherwise, are to be lapped 40 bar diameters min., fabric to be lapped 400mm min. All laps should preferably be staggered.
  - All reinforcing to be securely supported by bar chairs at 1000 max cs.
  - Minimum concrete cover to reinforcement, from closest concrete surface to be as follows:  
Water face Salt Chlorination : 50mm; Water face standard chlorination : 50mm.  
Coping/walkway surface : 50mm; Rear face, formed : 40mm; rough ground : 65mm.
  - Concrete to be pneumatically placed, have a min design strength of F'c 25 MPa at 28 days except:  
A) Where structure located < 1km from large expanses of water - concrete design strength min. F'c 32 MPa at 28 days.  
B) Where structure is located in tidal or splash zone of salt water - 40 MPa at 28 days.
  - Upon completion of concreting the hydrostatic valve is to be cleaned & checked to ensure correct operation.

SITE CALCULATIONS	
SITE	595.48 M2
HOUSE/PORCH/PATIO	237.18 M2
DRIVEWAY	41.47 M2
PROPOSED POOL	36.54 M2
TOTAL IMPERVIOUS AREA	315.19 M2 (52.93%)
PERVIOUS AREA	280.29 (47.07%)

**MALIBU POOLS & SPAS PTY LTD**  
PO BOX 76, GLADESVILLE NSW 1675  
PH: 0418 499 905 LIC. NO. 146660C

THIS PLAN IS TO BE READ  
IN CONJUNCTION WITH  
DA 2010 / 1670

**WARRINGAH COUNCIL**

**SWIMMING POOL FOR**  
**MR & MRS TYRRELL**  
**10 PAXTON STREET, FRENCHS FOREST**

**Ian Neilly Pty. Ltd.**  
CONSULTING CIVIL & STRUCTURAL ENGINEERS ABN 98 002 047 458  
25 UPPER CLIFF AVENUE, NORTHERIDGE 2068. PH: 9958 4887 FAX: 9967 3627

CHECKED	DATE	SCALES	DWG. No.	JOB No.
<i>Drilly M</i>	SEP 2010	AS SHOWN	1	100901