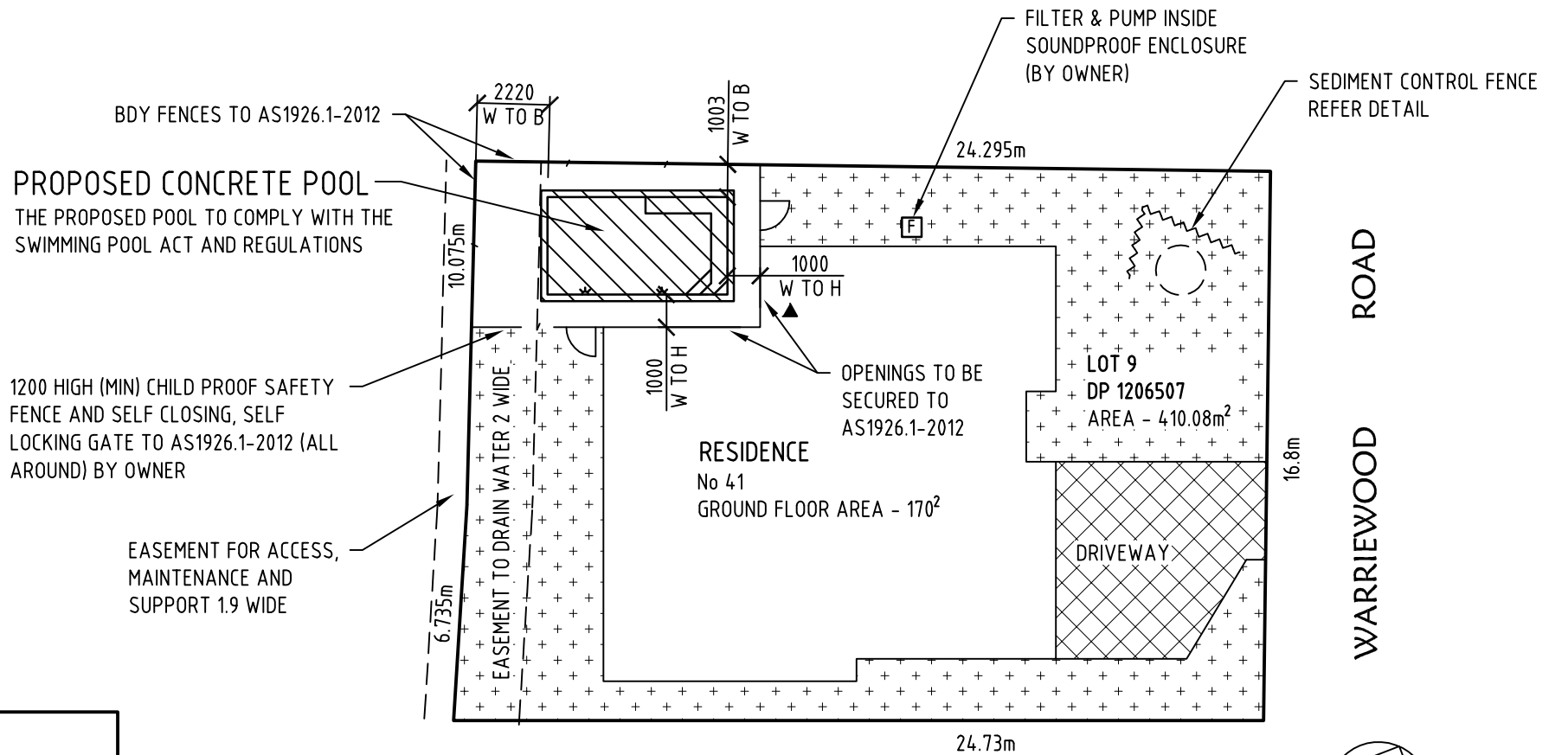


POOL PLAN

SCALE 1:100 (A3)

LEVELS SHOWN INDICATE FINISHED STRUCTURAL LEVEL
 (+) ABOVE (-) OR BELOW EXISTING GROUND LEVELS

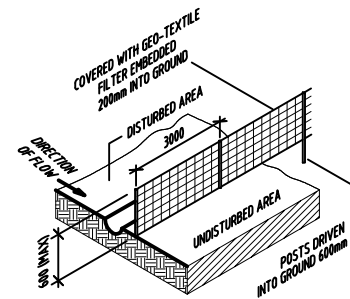
POOL WATER CAPACITY IS 20,000 LITRES. THIS POOL IS LESS THAN 40,000 LITRES, THEREFORE DOES NOT REQUIRE A BASIX CERTIFICATE.



PROPOSED CONCRETE POOL
 THE PROPOSED POOL TO COMPLY WITH THE SWIMMING POOL ACT AND REGULATIONS

1200 HIGH (MIN) CHILD PROOF SAFETY FENCE AND SELF CLOSING, SELF LOCKING GATE TO AS1926.1-2012 (ALL AROUND) BY OWNER

EASEMENT FOR ACCESS, MAINTENANCE AND SUPPORT 1.9 WIDE



SEDIMENT FENCE DETAIL
 NOT TO SCALE

- ▲ DATUM - TOP OF SLAB. TOP OF POOL TO BE LEVEL WITH DATUM.
- DESIGNATED AREA FOR WASTE AND MATERIAL STOCKPILE EXCESS WASTE TO BE REMOVED FROM SITE

LANDSCAPE CALCULATION

SITE AREA = 410.8m²
 RESIDENCE (GROUND FLOOR) = 170m²
 DRIVEWAY/PAVING = 35m²
 PROPOSED POOL/COPING = 20m²
 TOTAL B.U.A. = 225m² = 55%
 LANDSCAPED AREA = 45%

APPROX LENGTH OF FENCE = 10m

- ++++ DENOTES SOFT LANDSCAPING (GREATER THAN 1.5m WIDE)
- |||| DENOTES SOFT LANDSCAPING (LESS THAN 1.5m WIDE)
- XXXX DENOTES HARDSTAND AREAS



GENERAL
 G1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS2783 - 1992.
 G2 THE SETTING OUT DIMENSIONS SHALL BE CHECKED ON SITE PRIOR TO COMMENCING EXCAVATION.
 G3 ANY UNFORSEEN VARIATIONS TO THE ASSUMED SITE CONDITIONS SHALL BE REFERRED TO THE ENGINEER PRIOR TO PROCEEDING.
 G4 THE WALKWAYS AND COPINGS HAVE BEEN DESIGNED FOR A LIVE LOAD OF 4kPa. THE ENGINEER SHALL BE NOTIFIED OF ANY PROPOSED VARIATION TO THIS PRIOR TO PLACING THE REINFORCEMENT.
 G5 PRIOR TO EMPTYING THE POOL, THE OWNER SHALL ENSURE THAT ALL EXTERNAL GROUNDWATER HAS BEEN REMOVED FROM THE BASE AND WALLS OF THE POOL.
 G6 THE ENGINEER SHALL BE NOTIFIED IF THE POOL IS OUT OF THE GROUND BY MORE THAN 900.
 G7 THE DETAILS PRESENTED ON THE FOLLOWING SHEETS COMPLY WITH THE REQUIREMENTS OF AS2783-1992.

CONCRETE
 C1 ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS3600.
 C2 ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH OF 25MPa AND HAVE A MAXIMUM AGGREGATE SIZE OF 10mm AND A MAXIMUM SLUMP OF 80mm UNLESS NOTED OTHERWISE.
 C3 WHERE THE POOL IS LOCATED WITHIN 1km OF LARGE EXPANSES OF SALT WATER THE CONCRETE SHELL SHALL HAVE A MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH OF 32MPa.
 C4 CONCRETE SIZES SHOWN DO NOT INCLUDE FINISH AND MUST NOT BE REDUCED OR HOLED IN ANY WAY WITHOUT THE APPROVAL OF THE ENGINEER. HOWEVER, THE RADIUS OR CONCRETE THICKNESS MAY BE INCREASED.
 C5 UNLESS OTHERWISE NOTED, CLEAR CONCRETE COVER SHALL BE IN ACCORDANCE WITH AS2783-1992.
 C6 CONCRETE COVER SHALL BE MAINTAINED BY THE USE OF APPROVED CHAIRS AT APPROXIMATELY 750 CROSS CENTRES.
 C7 ALL CONCRETE SHALL BE CURED BY THE OWNER FOR A MINIMUM OF 7 DAYS AFTER POURING BY KEEPING ALL EXPOSED SURFACES WET WITH WATER.
 C8 S NOTATION TO REINFORCEMENT DENOTES GRADE 230 DEFORMED BAR.
 C9 UNLESS OTHERWISE NOTED, ALL REINFORCEMENT LAPS SHALL BE A MINIMUM OF 500mm.
 C10 PROVIDE 10mm CONTROL JOINTS IN THE WALKWAY FINISH AT MAXIMUM 4000 CENTRES AND AT POINTS OF RE-ENTRANT CORNERS IN PLAN.
 C11 PROVIDE 10mm CONTROL JOINTS BETWEEN THE PERIMETER EDGE OF THE POOL AND ALL ABUTTING CONCRETE OR MASONRY FINISHES.

FOUNDATION
 F1 THE DESIGN OF THE POOL HAS BEEN BASED ON BEING SUPPORTED BY UNIFORM NATURAL GROUND WITH A MINIMUM SAFE BEARING VALUE OF 150kPa (UNLESS SHOWN AS SUSPENDED ON PIERS). THE BUILDER SHALL NOTIFY THE ENGINEER IF ANY OTHER GROUND CONDITIONS ARE ENCOUNTERED PRIOR TO COMPLETING THE EXCAVATION. THE BUILDER SHALL ALSO NOTIFY THE ENGINEER IF A CLASS 'H', 'E' OR 'P' SUBGRADE IS ENCOUNTERED.
 F2 THE EXCAVATION SHALL BE KEPT FREE OF WATER. ANY SOFTENED SUBGRADE MATERIAL SHALL BE REMOVED AND REPLACED WITH COMPACTED GRANULAR FILL PRIOR TO PROCEEDING.
 F3 THE UNDERSIDE OF THE POOL SHALL BE SEPARATED FROM THE SUBGRADE WITH A 200µm POLYTHENE MEMBRANE OVER 50 CRUSHED STONE, COARSE AGGREGATE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.
 F4 ANY PROPOSED EXCAVATIONS WHICH ARE TO BE WITHIN THE ZONE OF INFLUENCE OF AN EXISTING STRUCTURE SHALL BE REFERRED TO THE ENGINEER PRIOR TO COMMENCEMENT.

Structural details only certified by:

northern beaches council

THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT

DA2020/0687

BLUE HAVEN POOLS SOUTH PTY LTD

Site Plan & Pool Plans prepared by Blue Haven Pools & Spas Pty Ltd
 68 Hume Highway Lansvale NSW 2166
 Telephone: (02) 9728 0444 Fax: (02) 9754 2906
 Licence Number - 237620C ABN 78 133 909 369

Keighran and Associates Pty Ltd
 Consulting Structural and Civil Engineers
 ABN 25 003 832 291

APPROVED *[Signature]* DATE 23 / 09 / 19

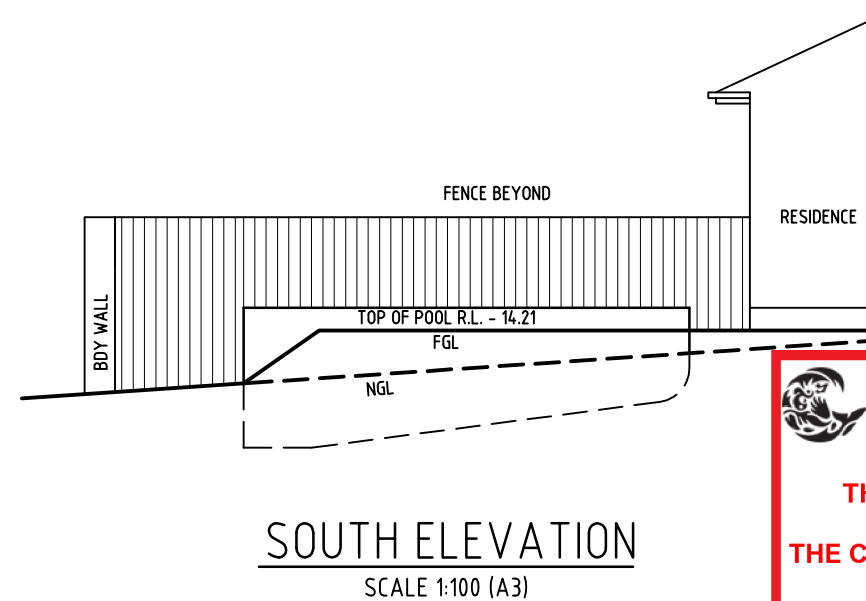
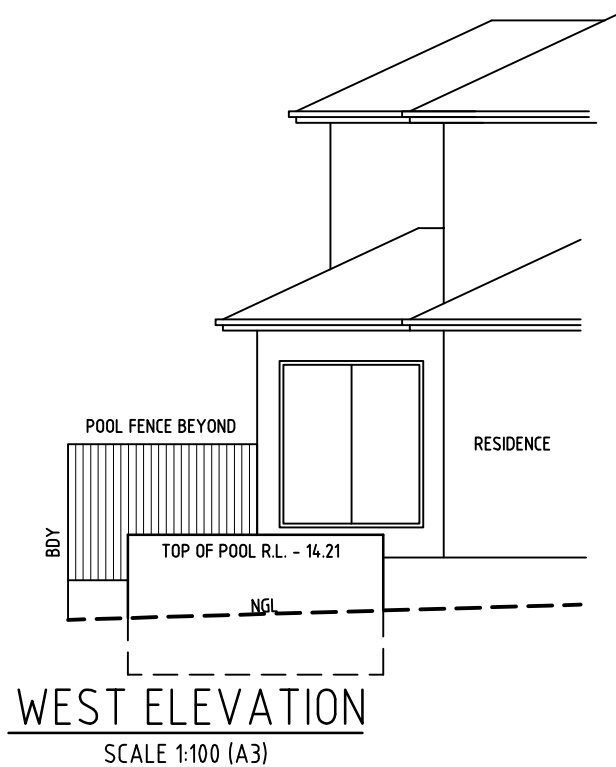
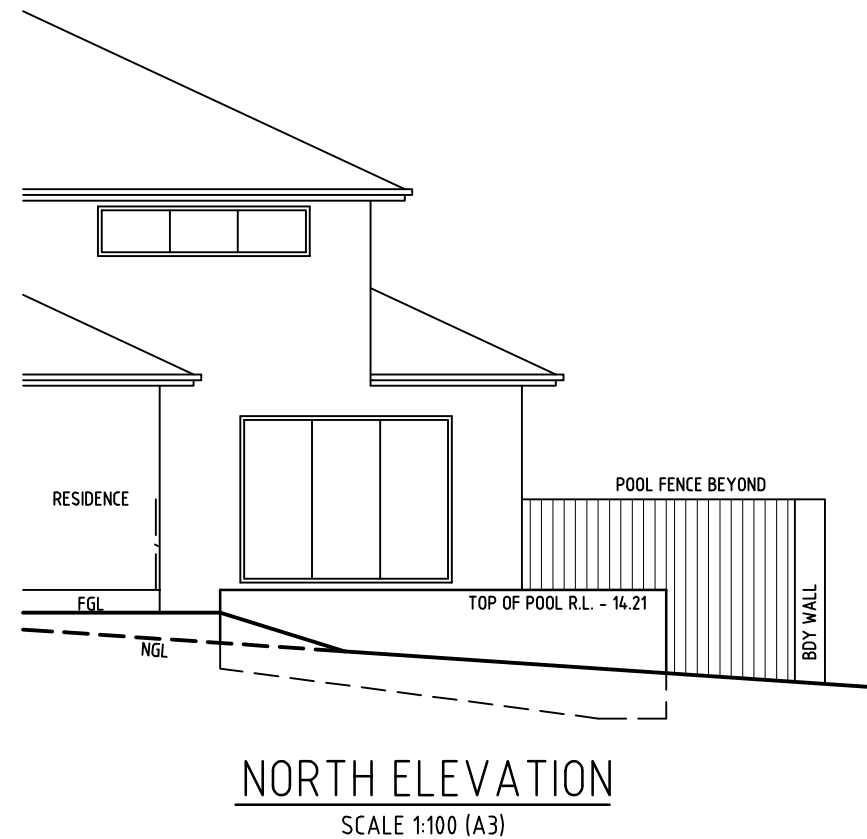
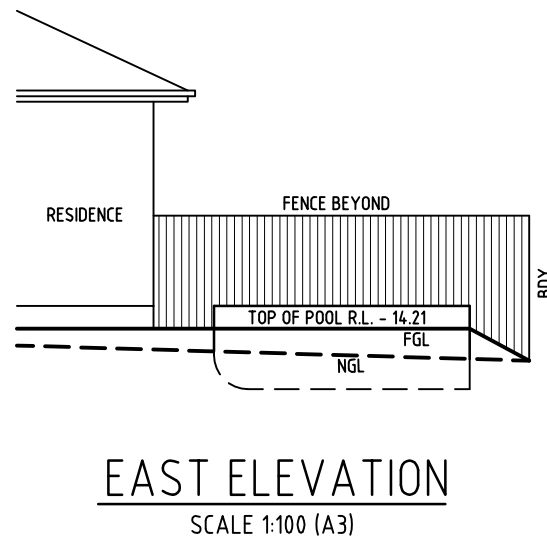
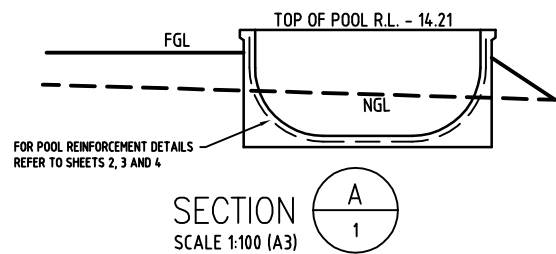
BE (Hons), MEngSci, FIEAust, CPEng
 Registered NPER 3719 (Structural & Civil)



PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: CATLIN AND KALOUS
 AT: 41 WARRIEWOOD ROAD
 WARRIEWOOD

REV	DATE	DESCRIPTION	DWG/CONTRACT No
A	23.09.19	INITIAL ISSUE	19S3850
B	07.05.20	ADJACENT EASEMENT ADDED	
			SHEET
			REV
			10F 4
			B



 northern beaches council

THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT

DA2020/0687

Structural details only certified by:

BLUE HAVEN POOLS SOUTH PTY LTD

Site Plan & Pool Plans prepared by Blue Haven Pools & Spas Pty Ltd
68 Hume Highway Lansvale NSW 2166
Telephone: (02) 9728 0444 Fax: (02) 9754 2906
Licence Number - 237620C ABN 78 133 909 369



Keighran and Associates Pty Ltd

Consulting Structural and Civil Engineers ABN 25 003 832 291

APPROVED

Keighran

DATE 23 / 09 / 19

BE (Hons), MEngSci, FIEAust, CPEng
Registered NPER 3719 (Structural & Civil)



PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: CATLIN AND KALOUS
AT: 41 WARRIEWOOD ROAD
WARRIEWOOD

REV	DATE	DESCRIPTION	DWG/CONTRACT No
A	03.06.20	INITIAL ISSUE	19S3850
			SHEET REV
			1 A