

SWIMMING POOL NOTES:

SP01. POOL LOCATION:

CUSTOMERS MUST SATISFY THEMSELVES TO THE CORRECT LOCATION OF THE POOL, SET OUT PEGS PRIOR TO THE COMMENCEMENT OF THE EXCAVATION,

SP02. DIMENSIONS:

FIGURED DIMENSIONS ARE TO BE TAKEN IN PREFERENCE TO SCALE.

SP03. FOUNDATIONS:

- 1. TO BE NATURALLY OCCURRING MATERIAL CAPABLE OF BEING EXCAVATED TO A VERTICAL FACE AND OF MINIMUM SAFE BEARING CAPACITY OF 500kPa.
- 2. UNDERSIDE OF THE CONCRETE FLOOR TO BE SEPARATED FROM THE UNDERLYING MATERIAL BY A LAYER OF APPROVED MEMBRANE – 250µm MIN OR SIMILAR,

SP04. REINFORCEMENT:

- 1. ALL RODS TO BE GRADE 250 DEFORMED BARS IN ACCORDANCE WITH AS4671 UNLESS NOTED OTHERWISE – GRADE S,
- 2. RADIUS OF BENDS FOR COPING BARS 50mm,
- 3. RODS TO BE LAPPED A MINIMUM OF 400mm AND TO BE WIRE TIED AT EACH 2ND INTERSECTION,
- 4. REINFORCEMENT SHALL HAVE THE FOLLOWING CLEAR COVER OF CONCRETE;
 - 4.1. WALLS AND STEPS 50mm INSIDE FACE,
 - 4.2. FLOORS AND COPING 50mm TO TOP OF CONC, WIDTH OF COPING FINISH IS APPROX,
 - 4.3. EARTH FACES 65mm,
 - 4.4. FORMWORK FACES 40mm,
 - 4.5. WHERE COPING IS MORE THAN 300mm ABOVE NATURAL GROUND LEVEL, THE HORIZONTAL REINFORCEMENT IS TO BE INCREASED TO S12–200 FOR A DISTANCE OF 400mm BELOW NATURAL GROUND LEVEL,
- 5. HORIZONTALS ABOVE GROUND LEVEL:
 - 5.1. 25MPa CONCRETE S12–150
 - 5.2. 32MPa & ABOVE S12–150,
- 6. RADIUS OF BEND FOR COPING BARS 50mm,
- 7. REINFORCEMENT IS BE CHAIRED TO PREVENT MOVEMENT DURING PLACEMENT OF CONCRETE, AND MAINTAIN CLEAR COVER AS SPECIFIED IN 4.
 - 7.1. CONE CHAIRS ARE NOT TO BE USED AGAINST FORM,
 - 7.2. FLOOR TO BE CHAIRED AT 600 INTERSECTIONS,

SP05. CONCRETE:

- 1. MATERIALS AND WORKMANSHIP GENERALLY TO CONFIRM TO THE REQUIREMENTS OF AS3600 & AS2783,
- 2. CONCRETE DESIGN STRENGTH (f'c) TO BE 25MPa AT 28 DAYS, UNLESS OTHERWISE STATED,
- 3. CONCRETE TO BE PNEUMATICALLY PLACED PREFERABLY IN A SINGLE UNINTERRUPTED OPERATION. SHOULD A BREAKDOWN OF PLANT OCCUR THE CONSULTING ENGINEERS MUST BE NOTIFIED IMMEDIATELY.

SP06. CONCOURSE:

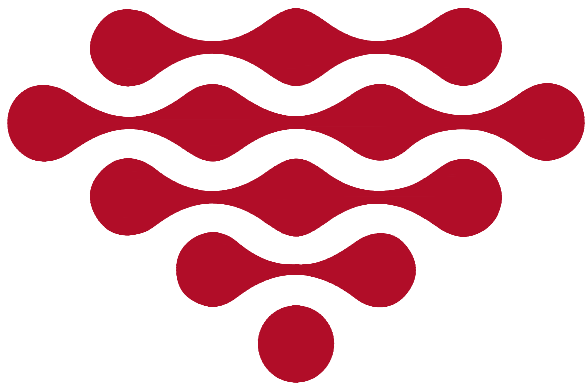
- 1. ONLY OPEN TYPE OR GLASS PANEL FENCING TO 1.2m HIGH MAY BE SUPPORTED OFF CONCOURSE AS DESIGNED. ALL FENCING TO BE IN ACCORDANCE WITH AS1926.1 & AS1926.2 AND THE ERECTION OR ALTERATION TO BE THE RESPONSIBILITY OF THE APPLICANT. THE FENCING IS PART OF THE APPLICATION,
- 2. SPIGOTS ARE TO BE CORED NO CLOSER THAN 170mm FROM STRUCTURAL EDGE OF COPING,
- 3. THE POOL SHELL IS DESIGN IN ISOLATION, NO FITMENTS, OR LOADING TO BE PLACES ON CONCOURSE OR POOL SHELL WITHOUT THE EXPRESS PERMISSION OF CRYSTAL POOLS,
- 4. ANY PAVING LAID ADJACENT TO POOL COPING MUST HAVE 15mm WIDE CONSTRUCTION OR EXPANSION JOINTS. IF PAVING LAID IN MORTAR, EXPANSION JOINT MUST BE INSERTED BETWEEN PAVING & POOL COPING. LEAVE 3mm GAPS BETWEEN PAVERS LAID ON SAND,
- 5. POOL HAS BE DESIGNED TO MAINTAIN A CONSTANT 100mm FREEBOARD, OVERFILLING OF THE POOL WILL RESULT IN SATURATION OF THE TILE BED AND RISK DELAMINATING COPING FINISHES.

SP07. EMPTYING POOL:

POOL TO BE EQUIPPED WITH HYDROSTATIC PRESSURE RELIEF VALVE TO SAFEGUARD AGAINST EXTERNAL WATER PRESSURE WHEN POOL IS EMPTY. DESPITE THIS PROVISION THE APPROVAL OF CRYSTAL POOLS MUST BE OBTAINED BEFORE EMPTYING THE POOL

SP08. DIVING:

THIS POOL IS NOT DESIGNED FOR DIVING.



CRYSTAL
POOLS

For: AIR & TIM KIEHNE

#: 0423 328 617

At: 13 ATHOL STREET,
FRENCHS FOREST
NSW 2086

E	15.05	STORMWATER PIPE ADDED, SECTIONS REVISED	CMF
D	20.04	REVISED POOL BDY OFFSET	CMF
C	18.10	REVISED COPING WIDTHS	CMF
B	09.10	REVISED POOL PLAN, BDY OFFSET	CMF
REV.	DATE	AMENDMENT	DRAWN

Consulting Engineer:



Innovative Building Systems Australia Pty Ltd

14 Monterey Parade, Ermington Heights NSW 2115
ACN: 44 124 486 497 Ph: (02) 9804 8725 www.ibsaust.com.au

APPROVED

DATE

25.03.2022

CHRISTIAAN FITZSIMON BSc BE MIEAust # 987546



CRYSTAL POOLS
Australia's most experienced swimming pool builder

1 CENTRAL AVENUE THORNLEIGH NSW 2120

(02) 9875 4555 | SALES@CRYSTALPOOLS.COM.AU

PO BOX 271 PENNANT HILLS NSW 1715

DATUM: FFL OF EXISTING POOL RL 147.88

TOP OF POOL FINISHED, RELATIVE TO LEVEL
DATUM, ALLOW 30mm FOR PAVER: FPL 147.88

TOP OF POOL STRUCTURE	A	+/-0	RL	.
RELATIVE TO APPROX.	B	+1900	RL	.
NATURAL GROUND LEVELS	C	+1900	RL	.
	D	+1500	RL	.



THIS DRAWING IS SUBJECT OF COPYRIGHT
AND MAY NOT BE USED OR REPRODUCED
EITHER IN WHOLE OR PART WITHOUT THE
EXPRESS PERMISSION OF THE OWNER
CRYSTAL POOLS P/L. JANUARY 2021

DATE

25.03.2022

JOB NUMBER

14718

DWG No.

P01

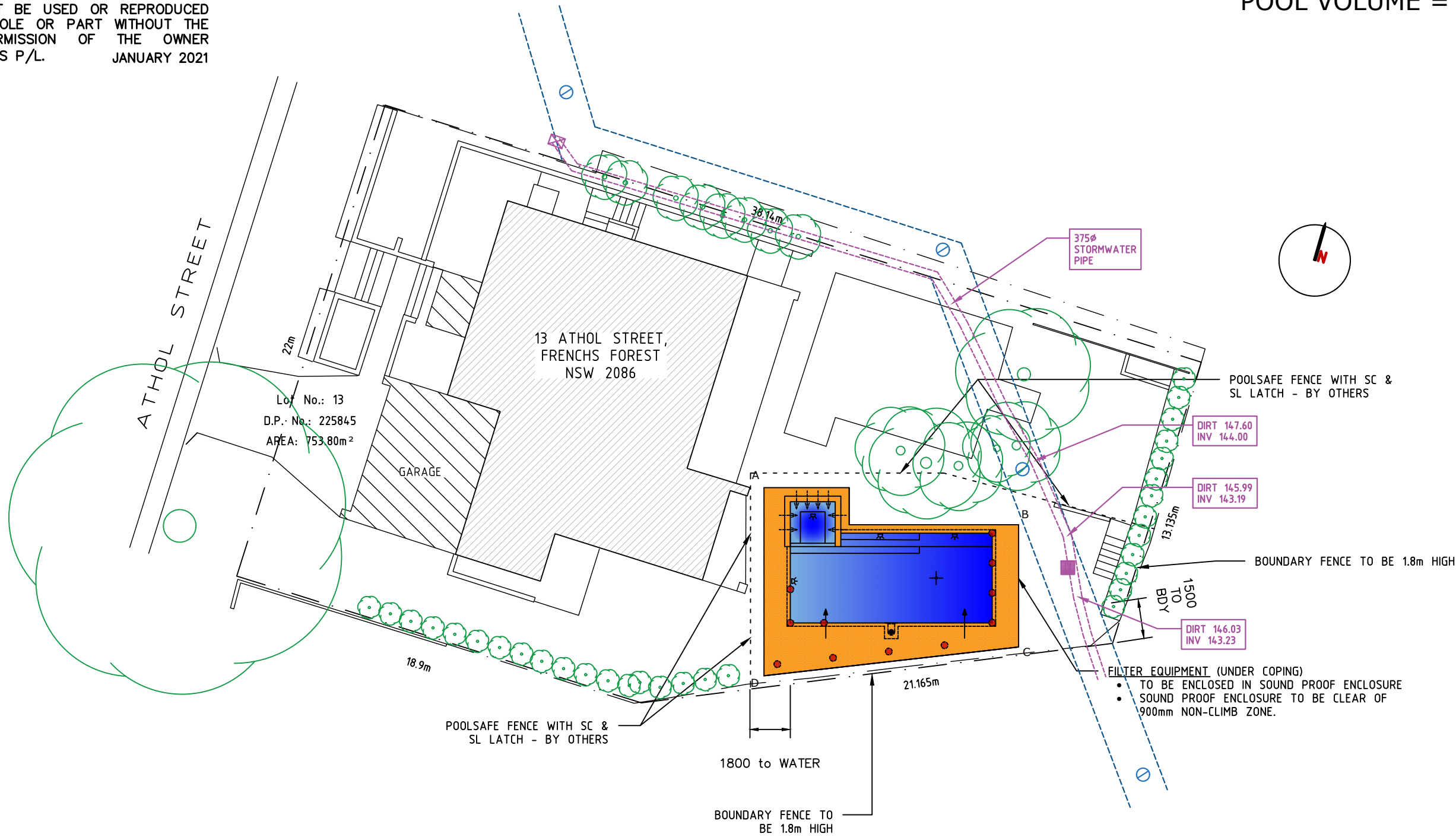
REV.

E



THIS DRAWING IS SUBJECT OF COPYRIGHT
AND MAY NOT BE USED OR REPRODUCED
EITHER IN WHOLE OR PART WITHOUT THE
EXPRESS PERMISSION OF THE OWNER
CRYSTAL POOLS P/L. JANUARY 2021

POOL VOLUME = 51,401 L



* LOCATION OF POOL TO BE THE
SAME AS EXISTING POOL

SITE PLAN
SCALE 1:200

E	15.05	STORMWATER PIPE ADDED, SECTIONS REVISED	CMF
D	20.04	REVISED POOL BDY OFFSET	CMF
C	18.10	REVISED COPING WIDTHS	CMF
B	09.10	REVISED POOL PLAN, BDY OFFSET	CMF
REV.	DATE	AMENDMENT	DRAWN

Consulting Engineer:



Innovative Building Systems Australia Pty Ltd
14 Monterey Parade, Ermington Heights NSW 2115
ACN: 44 124 486 497 Ph: (02) 9804 8725 www.ibsaust.com.au
APPROVED DATE 25.03.2022
CHRISTIAAN FITZSIMON BSc BE MIEAust # 987546

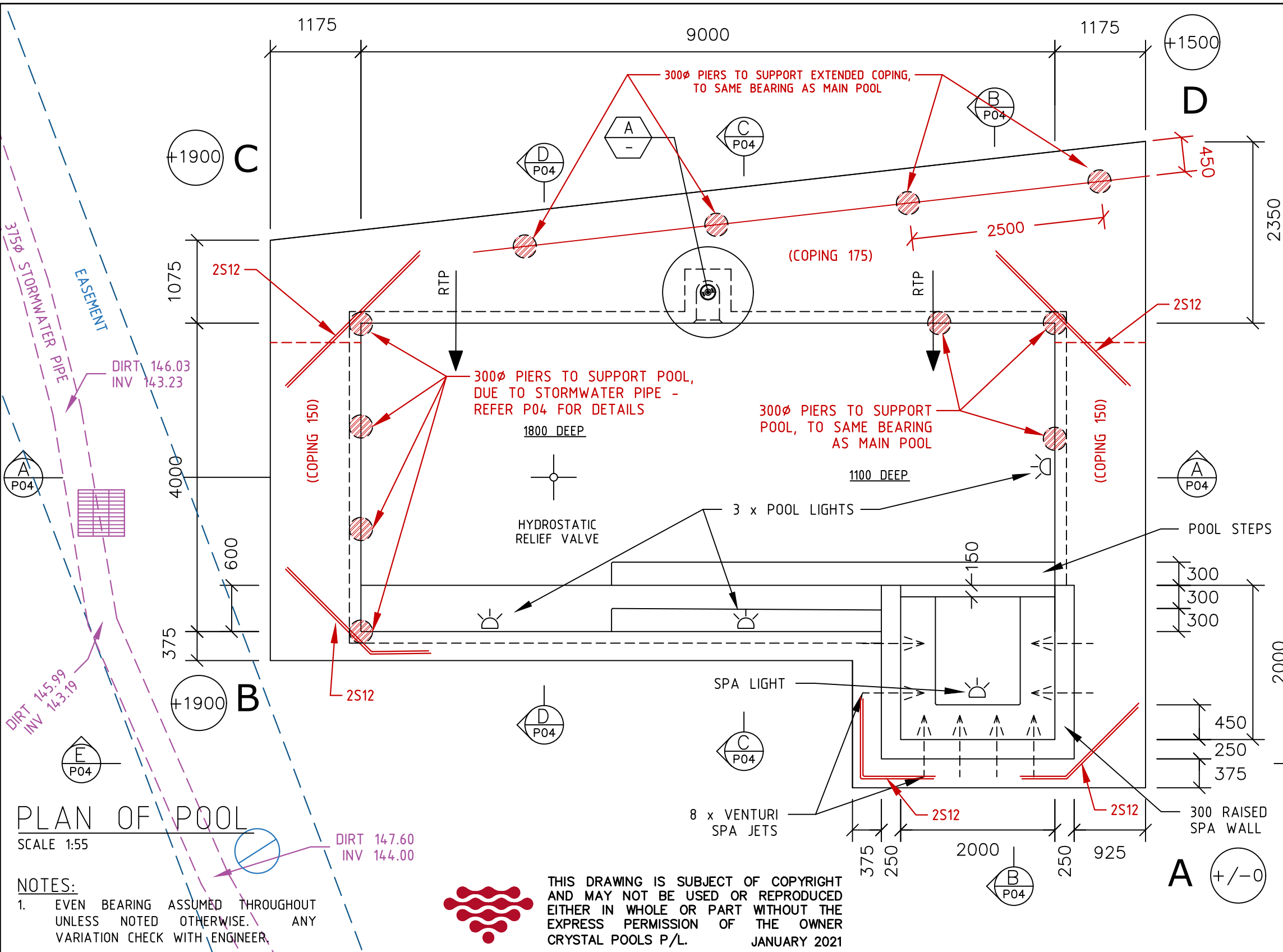


CRYSTAL POOLS
Australia's most experienced swimming pool builder

1 CENTRAL AVENUE THORNLEIGH NSW 2120
(02) 9875 4555 | SALES@CRYSTALPOOLS.COM.AU
PO BOX 271 PENNANT HILLS NSW 1715

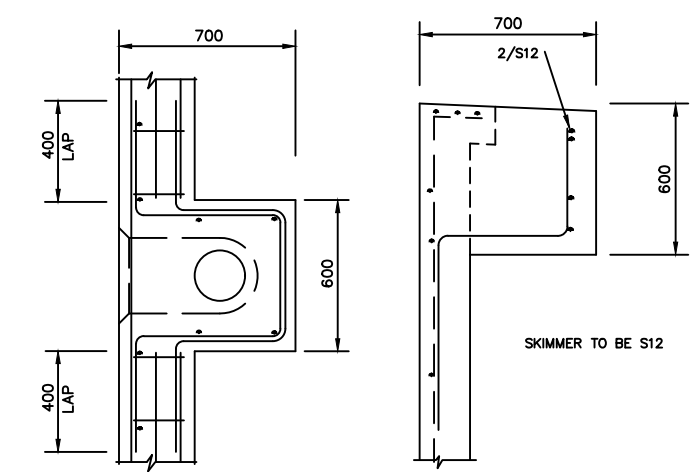
PROPOSED SWIMMING POOL
FOR: AIR & TIM KIEHNE
#: 0423 328 617
AT: 13 ATHOL STREET,
FRENCHS FOREST
NSW 2086

DATE	25.03.2022
JOB NUMBER	14718
DWG No.	P02
REV.	E



EQUIPMENT LIST

- FILTER - WC602
- PUMP - CLIENTS
- HEATING - MT400
- CHEMICAL CONTROLLER - CLIENTS
- CIRCULATION - 2 RTP's
- LIGHTS - 4 x UNDERWATER LIGHTS
- JETS - 8 x VENTURI SPA JETS



No. S Bar =	149 S
No. N Bar =	10 N
Volume of Pool =	51,401 L
Concrete Volume =	21.57 m ³
Concrete Strength =	32 MPa

DATUM:	FFL OF EXISTING POOL	RL 147.88
TOP OF POOL FINISHED, RELATIVE TO DATUM, ALLOW 30mm FOR PAVER:	LEVEL	FPL 147.88
TOP OF POOL STRUCTURE	A	+/-0 RL .
RELATIVE TO APPROX.	B	+1900 RL .
NATURAL GROUND LEVELS	C	+1900 RL .
	D	+1500 RL .

E	15.05	STORMWATER PIPE ADDED, SECTIONS REVISED	CMF
D	20.04	REVISED POOL BDY OFFSET	CMF
C	18.10	REVISED COPING WIDTHS	CMF
B	09.10	REVISED POOL PLAN, BDY OFFSET	CMF
REV.	DATE	AMENDMENT	DRAWN

Consulting Engineer:

IBS AUSTRALIA
Innovative Building Systems

Innovative Building Systems Australia Pty Ltd
14 Monterey Parade, Ermington Heights NSW 2115
ACN: 44 124 486 497 Ph: (02) 9804 8725 www.ibsaust.com.au

APPROVED DATE 25.03.2022
CHRISTIAAN FITZSIMON BSc BE MIEAust # 987546

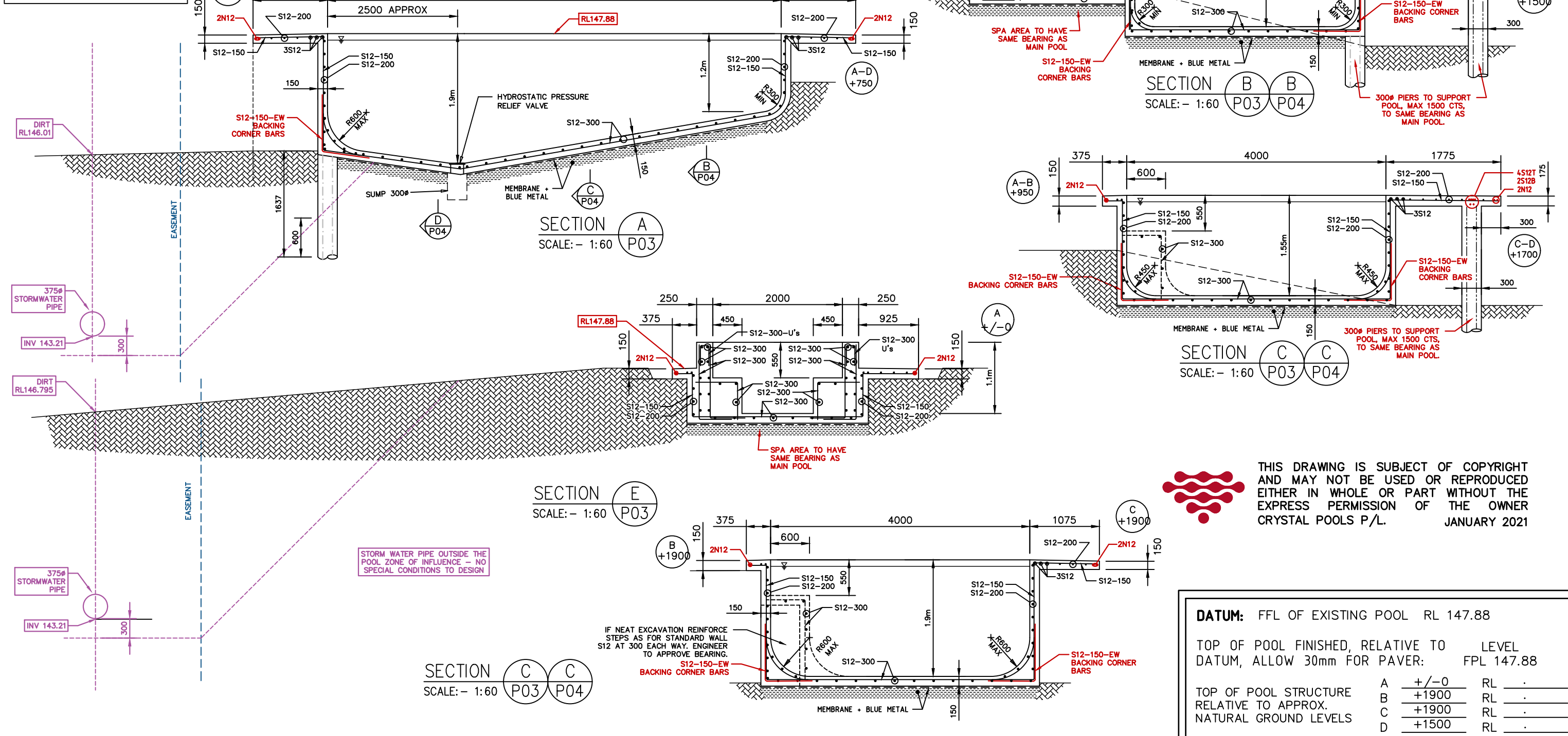
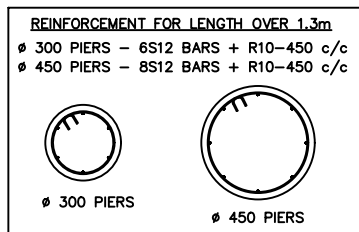
CRYSTAL POOLS
Australia's most experienced swimming pool builder

1 CENTRAL AVENUE THORNLEIGH NSW 2120
(02) 9875 4555 | SALES@CRYSTALPOOLS.COM.AU
PO BOX 271 PENNANT HILLS NSW 1715

PROPOSED SWIMMING POOL

FOR: AIR & TIM KIEHNE
#: 0423 328 617
AT: 13 ATHOL STREET,
FRENCHS FOREST
NSW 2086

DATE	25.03.2022
JOB NUMBER	14718
DWG No.	P03
REV.	E



THIS DRAWING IS SUBJECT OF COPYRIGHT AND MAY NOT BE USED OR REPRODUCED EITHER IN WHOLE OR PART WITHOUT THE EXPRESS PERMISSION OF THE OWNER CRYSTAL POOLS P/L. JANUARY 2021

DATUM: FFL OF EXISTING POOL RL 147.88

TOP OF POOL FINISHED, RELATIVE TO DATUM, ALLOW 30mm FOR PAVER: LEVEL FPL 147.88

TOP OF POOL STRUCTURE	A	+/-0	RL	.
RELATIVE TO APPROX.	B	+1900	RL	.
NATURAL GROUND LEVELS	C	+1900	RL	.
	D	+1500	RL	.

E	15.05	STORMWATER PIPE ADDED, SECTIONS REVISED	CMF
D	20.04	REVISED POOL BDY OFFSET	CMF
C	18.10	REVISED COPING WIDTHS	CMF
B	09.10	REVISED POOL PLAN, BDY OFFSET	CMF
REV.	DATE	AMENDMENT	DRAWN

Consulting Engineer:

IBS AUSTRALIA
Innovative Building Systems

Innovative Building Systems Australia Pty Ltd
14 Monterey Parade, Ermington Heights NSW 2115
ACN: 44 124 486 497 Ph: (02) 9804 8725 www.ibsaust.com.au

APPROVED DATE 25.03.2022
CHRISTIAAN FITZSIMON BSc BE MIEAust # 987546

CRYSTAL POOLS
Australia's most experienced swimming pool builder

1 CENTRAL AVENUE THORNLEIGH NSW 2120

(02) 9875 4555 | SALES@CRYSTALPOOLS.COM.AU

PO BOX 271 PENNANT HILLS NSW 1715

PROPOSED SWIMMING POOL

FOR: AIR & TIM KIEHNE

#: 0423 328 617

AT: 13 ATHOL STREET,
FRENCHS FOREST
NSW 2086

DATE	25.03.2022
JOB NUMBER	14718
DWG No.	P04
REV.	E