



CRYSTAL POOLS PTY. LTD.

Unit 8, 1 Central Ave, Thornleigh 2120

PO Box 271, Pennant Hills, 1715

Ph: 9875 4555 Fax: 9484 1019

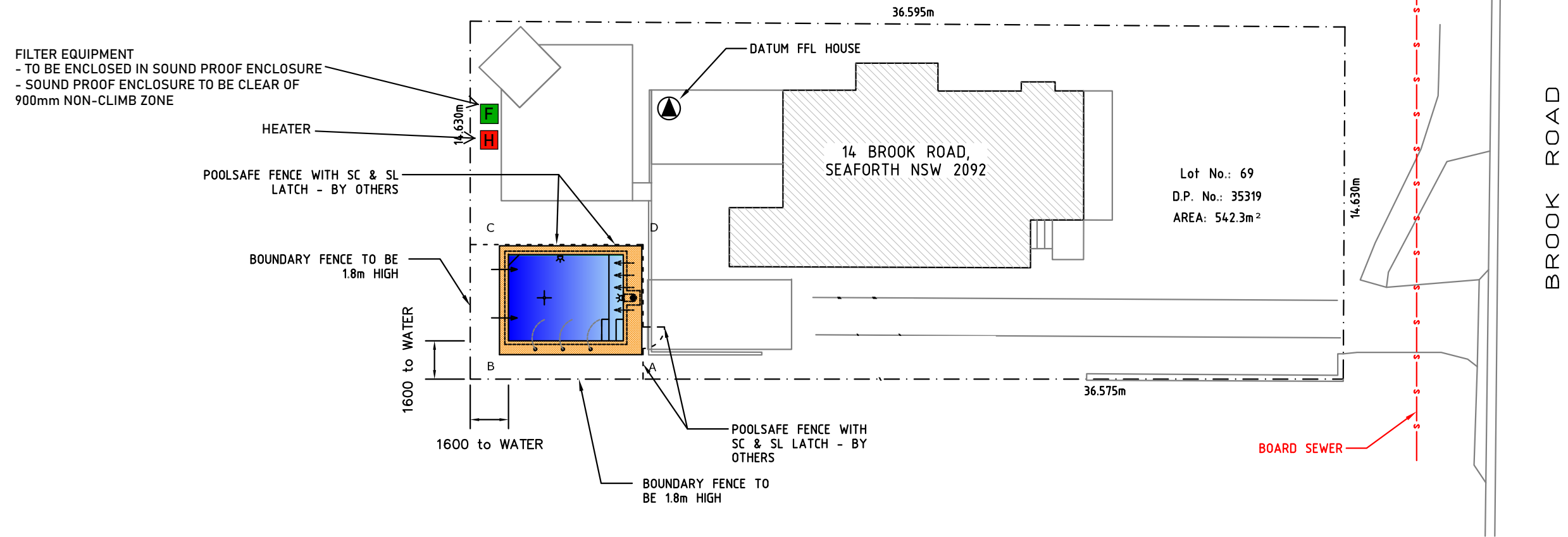
Builder Licence No: 34505

Kathryn & Russell Sheil
14 Brook Road, Seaforth NSW 2092

C	18.02	DEEP END SWIMOUT ADDED	CMF
B	17.02	REVISED POOL PLAN	CMF
A	31.01	ISSUED FOR CONSTRUCTION	CMF
REV.	DATE	AMENDMENT	DRAWN

JOB #: 14172

POOL VOLUME = 23,242 L



SITE PLAN
SCALE 1:200

PROPOSED SWIMMING POOL
FOR: Kathryn & Russell Sheil
AT: 14 Brook Road, Seaforth NSW 2092

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Innovative Building Systems Australia Pty Ltd
14 Monterey Parade, Ermington Heights NSW 2115 ACN: 44 124 486 497
www.ibsaust.com.au Ph: 0414 555 991 Fax: 02 9804 8724
APPROVED *Christiaan Fitzsimon* DATE 31.01.2020
CHRISTIAAN FITZSIMON BSc BE MIEAust # 987546



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SEPTEMBER 2007



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DATE	31.01.2020
JOB NUMBER	14172
DWG. No.	P01
REV.	C

SWIMMING POOL NOTES:

POOL LOCATION:

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

DIMENSIONS:

FIGURED DIMENSIONS ARE TO BE TAKEN IN PREFERENCE TO SCALE.

FOUNDATIONS:

1. TO BE NATURALLY OCCURRING MATERIAL CAPABLE OF BEING EXCAVATED TO A VERTICAL FACE AND OF MINIMUM SAFE BEARING CAPACITY OF 50kPa.
2. UNDERSIDE OF THE CONCRETE FLOOR TO BE SEPARATED FROM THE UNDERLYING MATERIAL BY A LAYER OF APPROVED MEMBRANE – 250µm MIN OR SIMILAR,

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 S12-200
 - 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,

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.

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.

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

DIVING

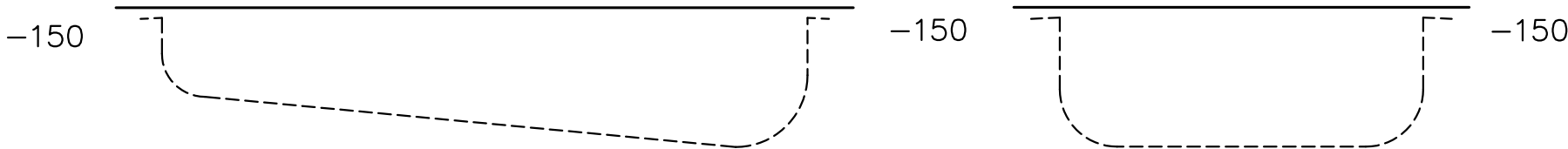
THIS POOL IS NOT DESIGN FOR DIVING.

LEVELS FOR COUNCIL APPROVAL

DATUM: FFL of House RL 39.800

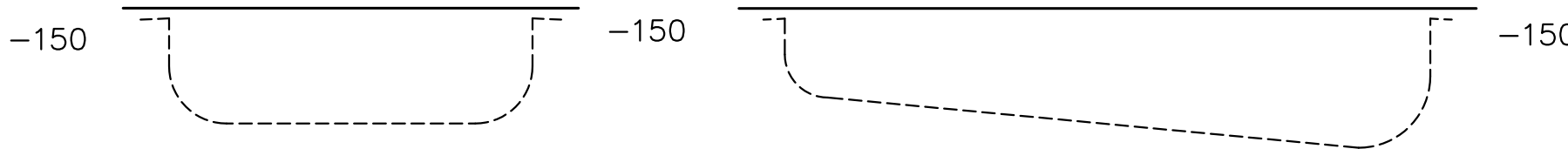
TOP OF FINISHED POOL RELATIVE TO DATUM 50 BELOW FPL 39.750

HEIGHT ABOVE EXISTING GROUND LEVEL AT	A	-150	RL	.
	B	-150	RL	.
	C	-150	RL	.
	D	-150	RL	.



ELEVATION A-B

ELEVATION B-C



ELEVATION A-D

ELEVATION D-C

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DWG. No.
P02

REV. C



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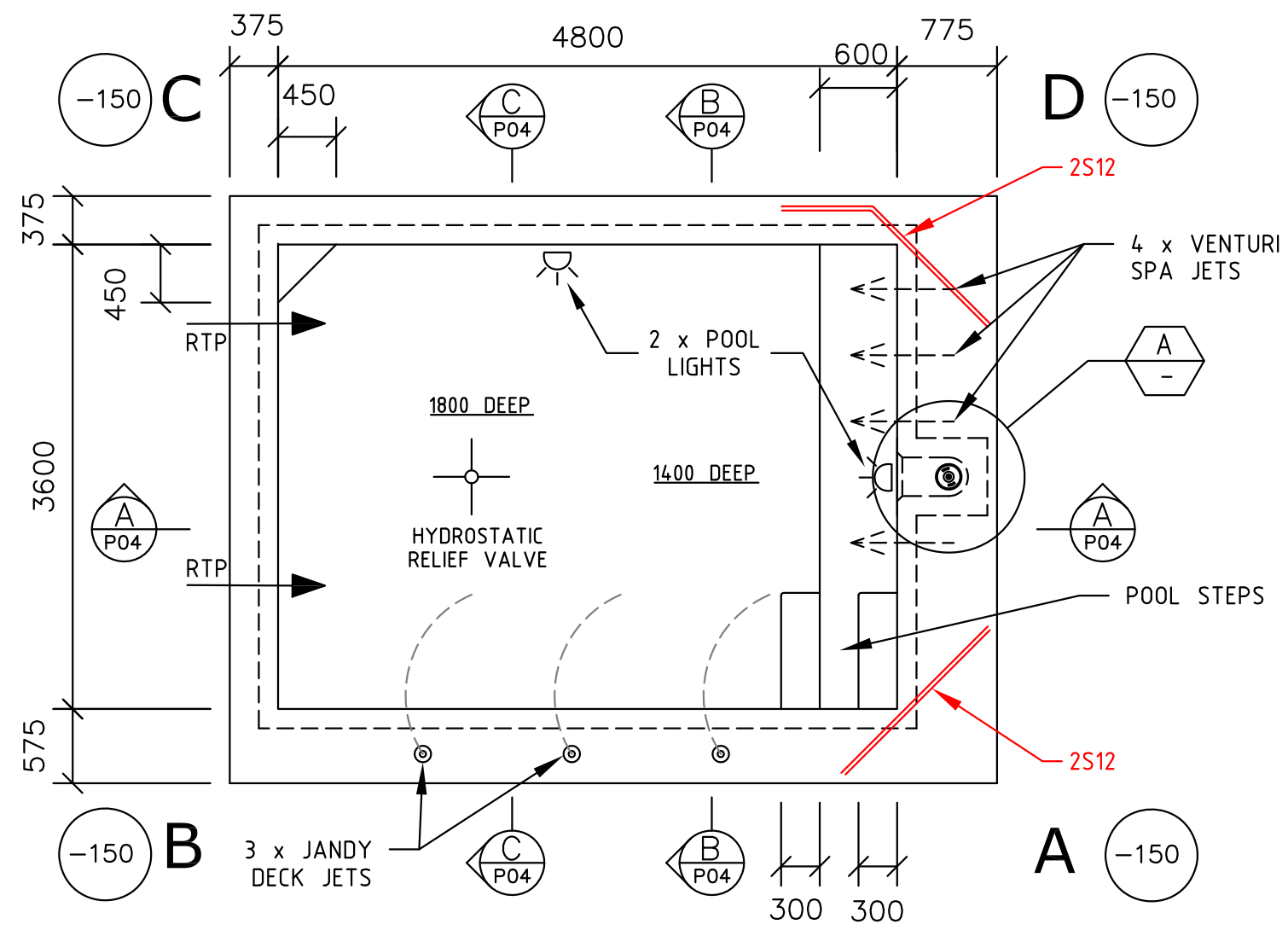
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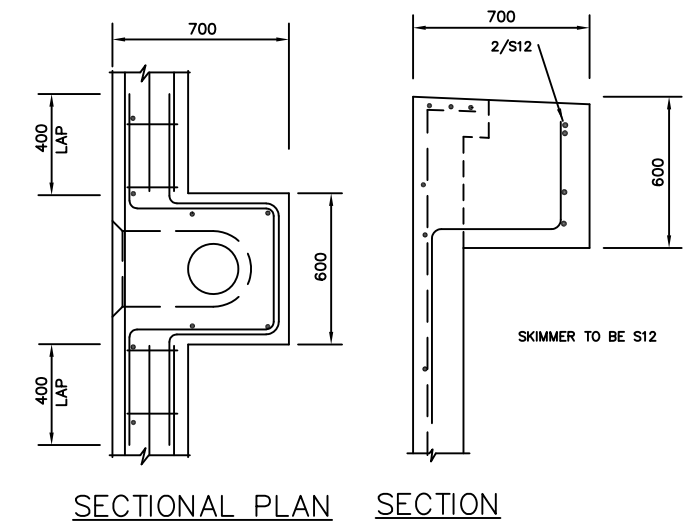


PLAN OF POOL
(Scale 1:50)

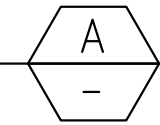
NOTES:
1. EVEN BEARING ASSUMED THROUGHOUT UNLESS NOTED OTHERWISE. ANY VARIATION CHECK WITH ENGINEER.

EQUIPMENT LIST

- | | |
|---------------------|---------------------------|
| FILTER | - ZX200 |
| PUMP | - CTX360 |
| HEATER | - HiNRG250 |
| CLEANING | - DB2 |
| CHEMICAL CONTROLLER | - EQ25 + pH ORP |
| CIRCULATION | - 2 RTP's |
| LIGHTS | - 2 x UNDERWATER LIGHTS |
| SPA JETS | - 4 JETS + CTX280 BOOSTER |
| POOL BLANKET | - 500 MICRON BLUE |



DETAIL
SCALE: - NTS



NOTES:
1. SKIMMER BOX
2. SKIMMER TO COMPLY WITH AS1926.3

No. S Bar =	69 S
No. N Bar =	10 N
Volume of Pool =	23,242 L
Concrete Volume =	12.50 m3
Concrete Strength =	32 MPa

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DATUM: FFL of House RL 39.800			
TOP OF POOL STRUCTURAL RELATIVE TO DATUM, ALLOW 30mm FOR PAVER:		50 BELOW FPL 39.750	
TOP OF POOL STRUCTURE RELATIVE TO APPROX. NATURAL GROUND LEVELS	A	-150	RL .
	B	-150	RL .
	C	-150	RL .
	D	-150	RL .

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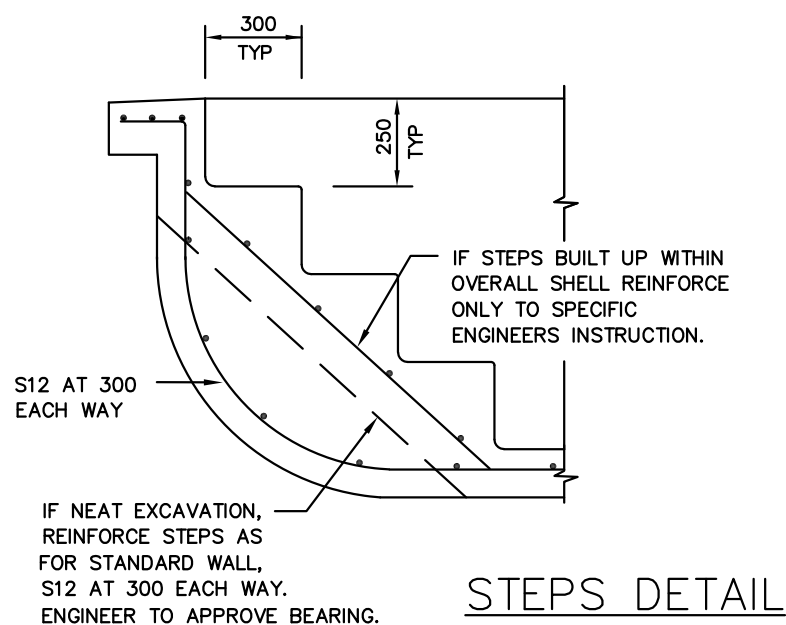
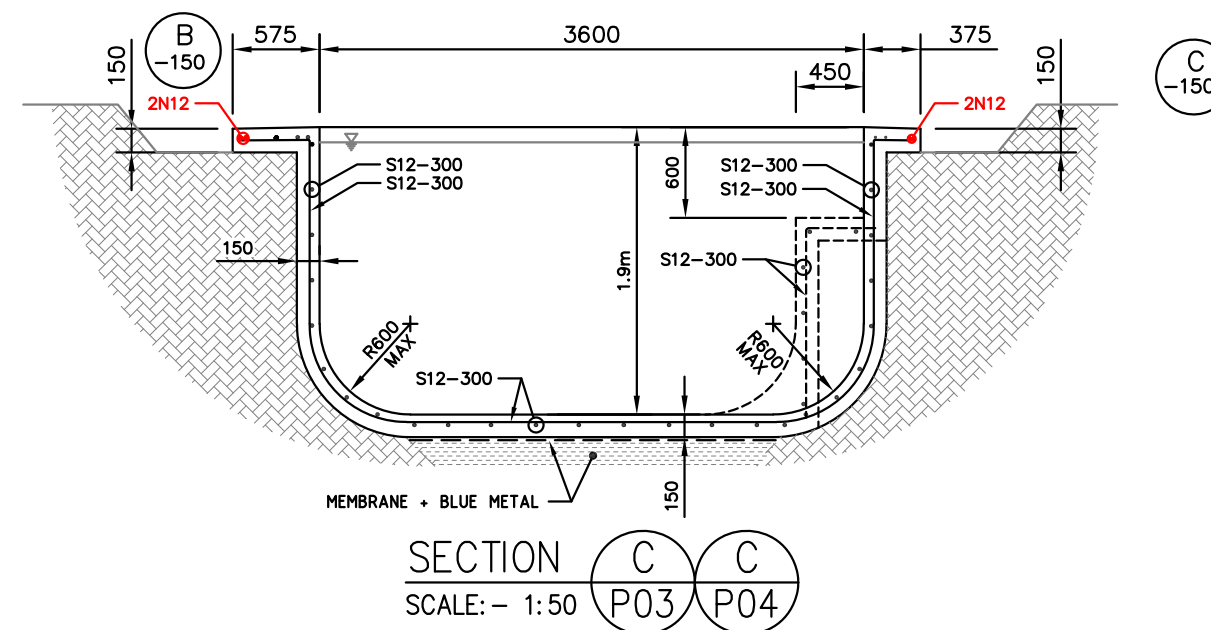
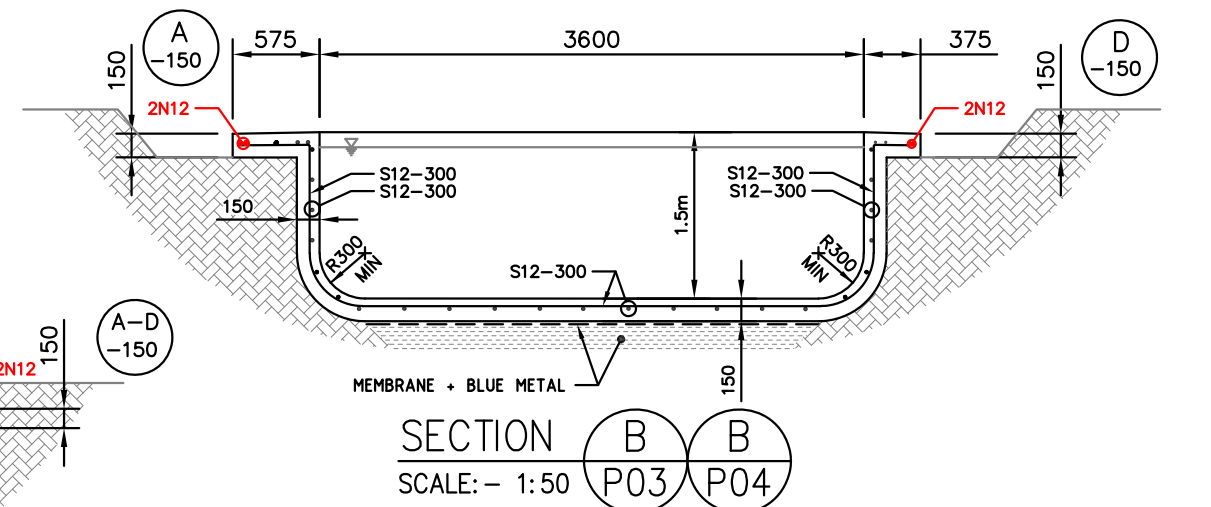
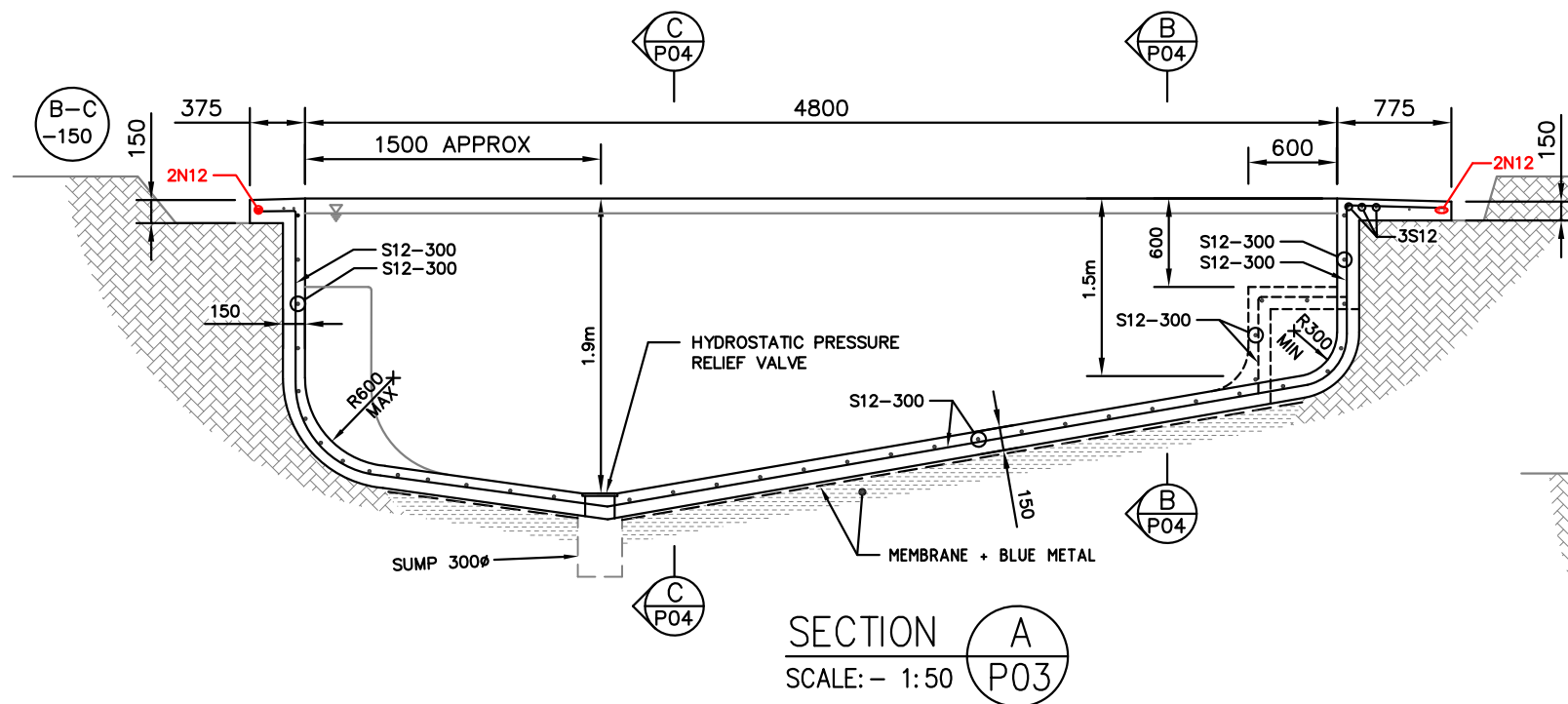
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NOTE:
FOR COPINGS OF WIDTH GREATER THAN 300mm
NOTE THAT POSITION OF THE HORIZONTAL REINFORCEMENT
CHANGES TO THE OUTSIDE OF THE VERTICAL
REINFORCEMENT

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