

SWIMMING POOL NOTES:

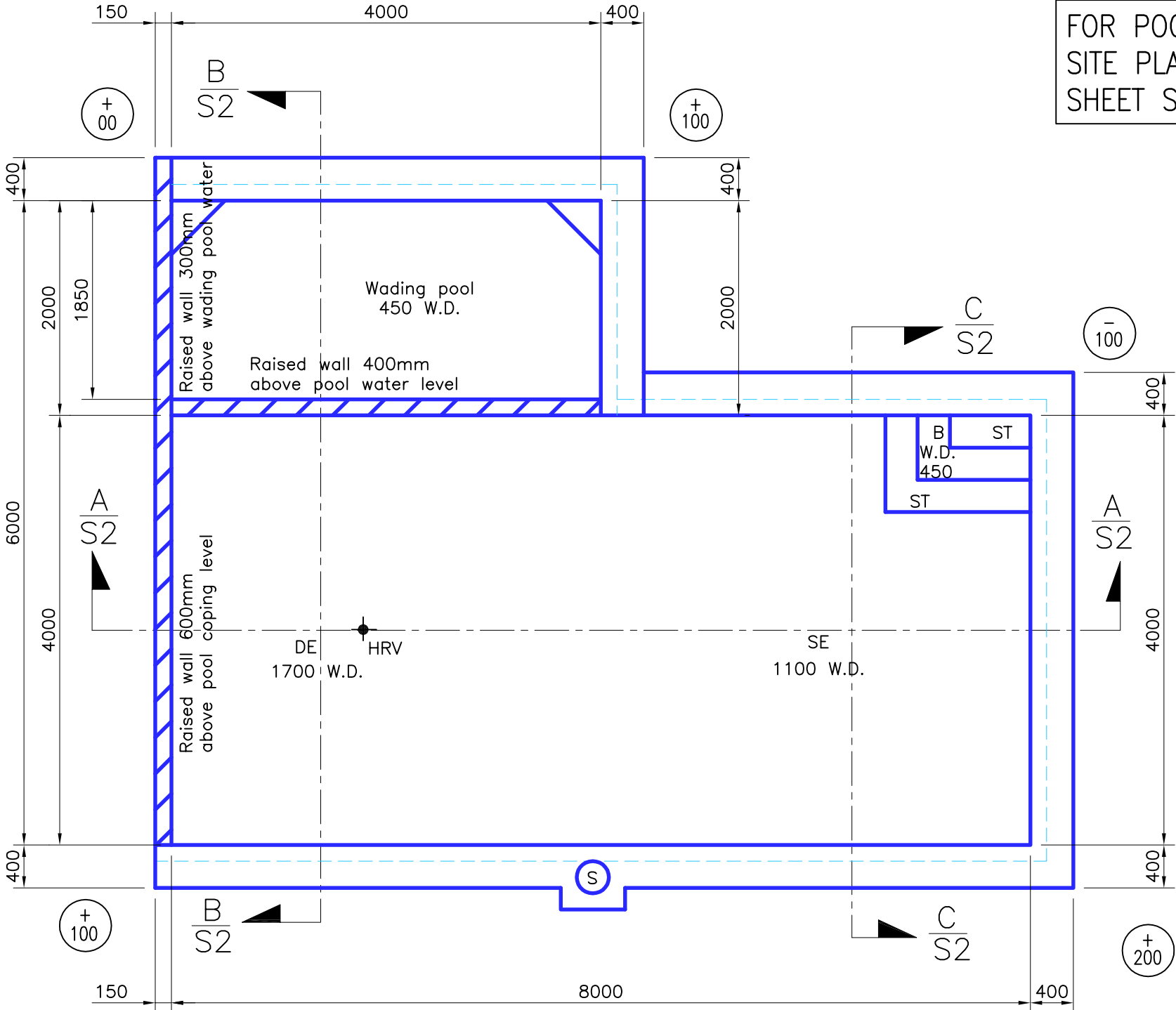
GENERAL

- G1. SETTING OUT DIMENSIONS OR MEMBER SIZES SHALL NOT BE SCALED FROM THE DRAWINGS.
- G2. THE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE CONTRACT BUT NOT FORM PART OF THE CONTRACT.
- G3. THESE DRAWINGS ARE PREPARED WITH LIMITED SITE – KNOWLEDGE ANY UNFORESEEN SITE CONDITIONS THAT MAY EFFECT THE DESIGN MUST IMMEDIATELY BE NOTIFIED TO THE ENGINEER.
- G4. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORD– ANCE WITH THE RELEVANT CODES AND ORDINANCES.
- G5. POOL SHELL IS NOT DESIGNED FOR SURCHARGE LOADING FROM OTHER STRUCTURES.
- G6. WALKWAYS AND COPINGS ARE NOT DESIGNED TO SUPPORT MASONRY WALLS UNLESS NOTED OTHERWISE.
- G7. THE POOL IS NOT DESIGNED AS A DIVING BOWL
- G8. POOL MUST NOT BE EMPTIED UNTIL ALL EXTERNAL– GROUND WATER HAS BEEN REMOVED FROM BASE & WALLS.
- G9. POOL SAFETY FENCE IS TO BE COMPLY WITH AS 1926 AND TO BE COUNCIL APPROVED PRIOR TO THE POOL BEING FILLED.
- G10– UPON COMPLETION OF CONCRETING THE HYDROSTATIC VALVE IS TO BE CLEANED AND CHECKED TO ENSURE CORRECT OPERATION.
- G11. WALL THICKNESSES SHOWN HAVE NO NEGATIVE TOLERANCES
- G12. POOL CONSTRUCTION SHALL CONFORM TO AS2783
- G13. BUILDER, PLEASE NOTE THAT RECORDS MUST BE KEPT AS OUTLINED IN CLAUSE 6.4 OF AS2783
- G14. ALL DESIGN DETAILS COMPLY WITH AS1170, AS3600, AS2783

- CONCRETE
- C1. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH AS3600.
- C2. ALL CONCRETE SHALL BE GRADE 32(MPa) WITH A MAX. AGGREGATE SIZE OF 10mm AND A MAXIMUM SLUMP OF 80mm, GRADE 40(MPa) WHERE POOL LOCATED IN TIDAL OR SPLASH ZONE OF SALT WATER.
- C3. CONCRETE SHALL BE PLACED PNEUMATICALLY AND TO BE CURED FOR A MINIMUM OF 7 DAYS BY KEEPING ALL EXPOSED SURFACES WET WITH WATER.
- C4. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS SHOWN IN TABLE 16.3 OF AS2783 MIN. 50mm TO WATER FACE.
- C5. SIZE OF CONCRETE DO NOT INCLUDE APPLIED FINISHES.
- C6. CONSTRUCTION JOINTS LOCATED TO THE APPROVAL OF THE ENGINEER.
- C7. IN NO CASE, POOL CONCRETE BODY BE IN DIRECT CONTACT WITH ANY EXISTING STRUCTURE ELEMENTS. A JOINT OF 10MM THICK BITUMINOUS FILLER TO BE PROVIDED.
- C8. NO CONCRETE SHALL BE PLACED UNTIL THE ENGINEER HAS INSPECTED AND APPROVED THE PLACED REINFORCEMENT.
- C9. CALCIUM CHLORIDE SHALL NOT BE USED AS AN ADMIXTURE
- C10. NO INTERNAL FINISHES SHALL BE APPLIED FOR AT LEAST 28 DAYS AFTER SPRAYING OF THE CONCRETE SHELL.

- FOUNDATION
- F1. REQUIRED MINIMUM SAFE BEARING CAPACITY OF– FOUNDATION MATERIAL SHALL BE AT LEAST 150 Kpa AT THE UNDERSIDE OF THE POOL.
- F2. FOUNDATION MATERIAL TO BE APPROVED BY THE ENGINEER FOR SAFE BEARING CAPACITY BEFORE SHELL–CONSTRUCTION.
- F3. POOL DESIGN IS SUITABLE FOR SITE CLASSED A, S, OR M AS PER AS2870. OTHERWISE ENGINEER SHALL BE NOTIFIED.
- F4. EXCAVATIONS SHALL BE KEPT FREE OF WATER, IF BEARING SURFACE DETERIORATES, ALL LOOSE, SOFT MATERIAL SHALL BE CLEANED OUT BEFORE CONCRETE IS POURED.

- REINFORCEMENT
- R1. ALL REINFORCEMENT SHALL COMPLY WITH AS1302. AND AS 1304.
- R2. REINFORCEMENT TO BE SUPPORTED ON APPROVED CHAIRS SPACED AT 1000mm MAXIMUM.
- R3. MIN.LAP FOR S12 BARS 500mm UNLESS NOTED OTHERWISE.
- R4. REINFORCEMENT IS REPRESENTED DIAGRAMMATIC. IT IS NOT NECESSARILY SHOWN IN TRUE PROJECTION.



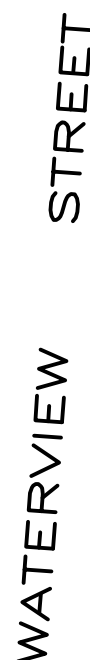
POOL PLAN 1:50 @A3

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

FOR POOL LOCATION &  
SITE PLAN REFER TO  
SHEET S-2

\*POOL WATER CAPACITY  
IS 46,000 LITRES.  
\*POOL IS SUBJECT TO  
BASIX.

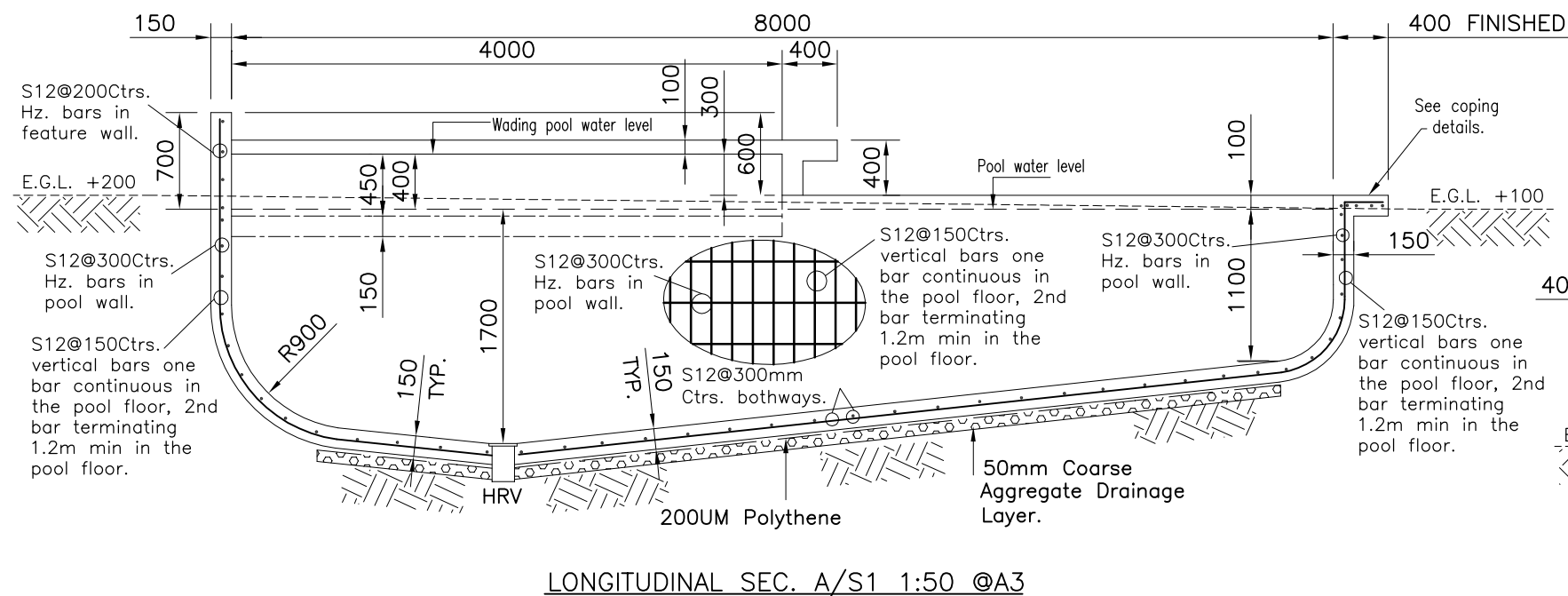
COPYRIGHT THIS SET OF DRAWING SHALL NOT BE COPIED WHOLLY OR IN PART WITHOUT PERMISSION FROM M. MESHREKY	LEGEND: DE – DEEP END SE – SHALLOW END HRV – HYDROSTATIC RELIEF VALVE ST – STEPS S – SKIMMER BOX B – BEACH AREA LT – LIGHT RTP – RETURN TO POOL LINE SL – SWIMOUT LEDGE W.D. – WATER DEPTH S.S. – SOLAR SUCTION S.R. – SOLAR RETURN	TITLE POOL PLAN				 There is a difference. P: 1300 763 761 www.freedompools.com.au	PROJECT: PROPOSED CONCRETE POOL  AT: 19 WATERVIEW STREET MONA VALE NSW  FOR: MR. GILBERT PONLOT	 Consulting Structural and Civil Engineering <b>MOHEB MESHREKY</b> MIEAust, CPEng. NER 146130 54 BLUE BELL CCT., KELLYVILLE 2155 MOB: 0414 622518  APPROVED:  JOB NO. FP 14-19
		SCALE	AS NOTED	ISSUE	DATE:	REVISION		
		DATE	01/08/19	C	13/08/19	Pool fence location revised.		
		DRAWN	M. M.	B	08/08/19	Pool's equipment location revised.		
		SHEET	S1 OF 4	A	01/08/19			



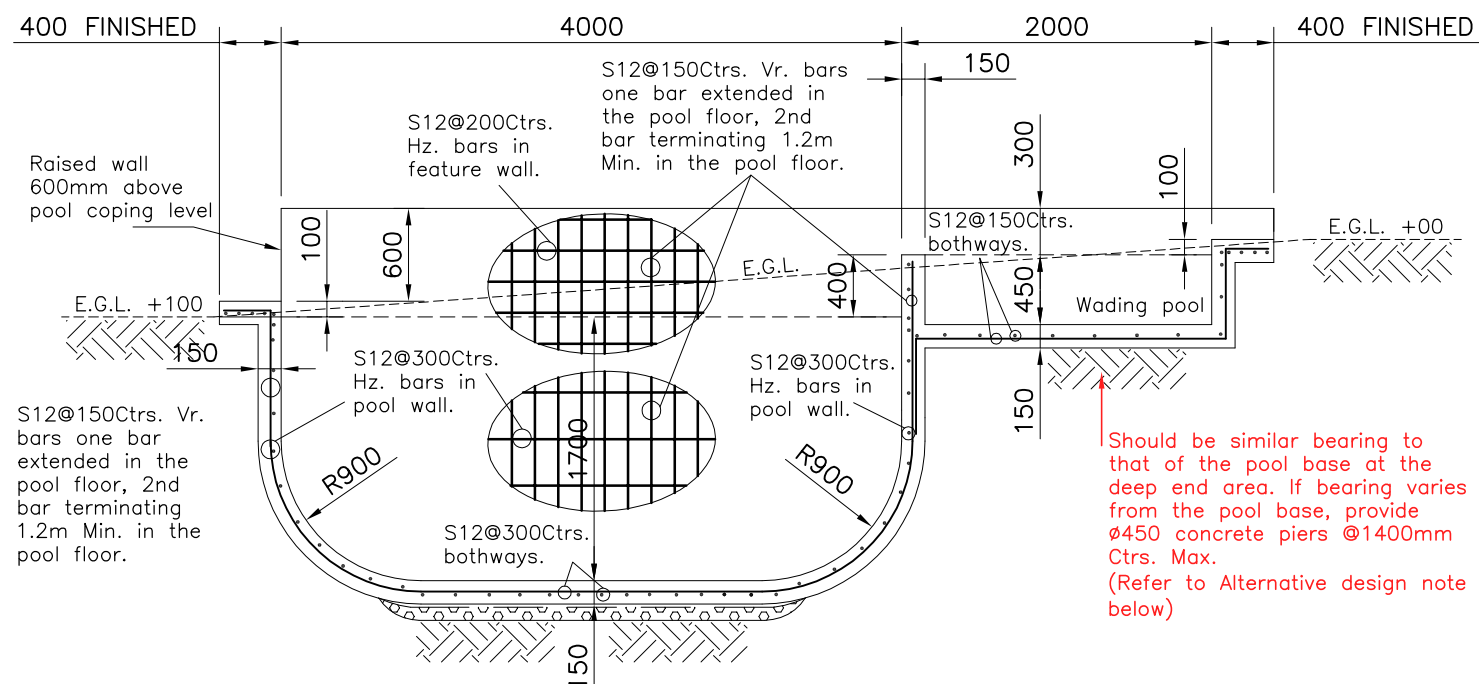
LANDSCAPE CALCULATION:		
SITE AREA	1353.00	Sqm
EXISTING BUILDINGS	277.60	Sqm
DRIVEWAY & CARPORT	76.00	Sqm
PROPOSED POOL/COPING	50.26	Sqm
TOTAL COVERED AREA	403.26	Sqm
LANDSCAPE AREA	949.74	Sqm
LANDSCAPE RATIO	70.19	%

POOL SITE PLAN SCALE 1:200 @A3

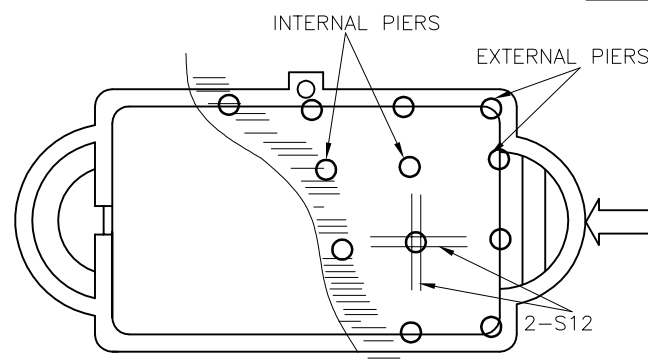
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LONGITUDINAL SEC. A/S1 1:50 @A3

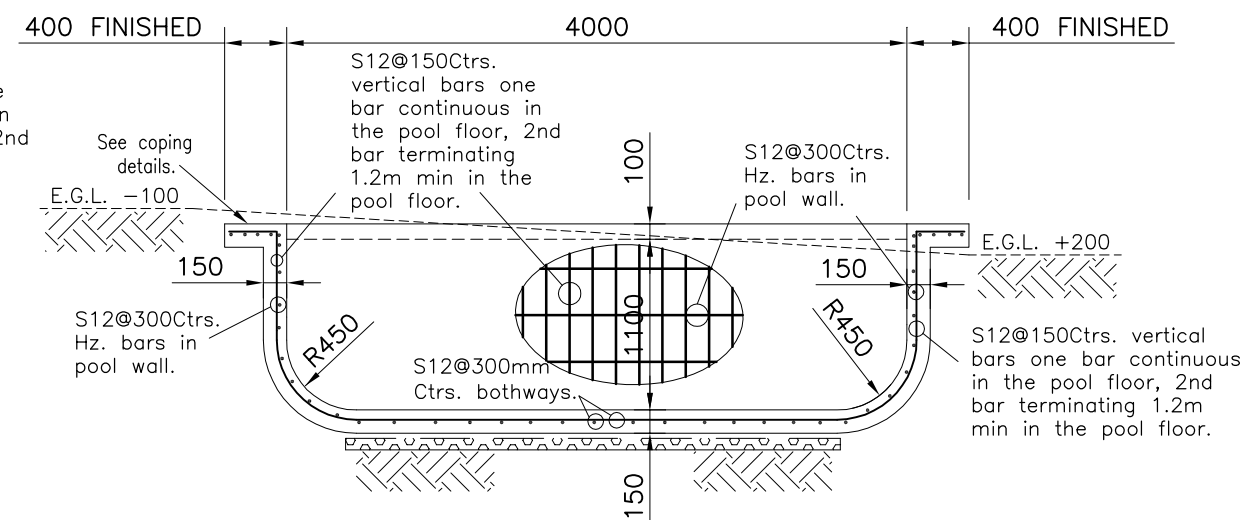


DEEP END SEC. B/S1 1:50 @A3

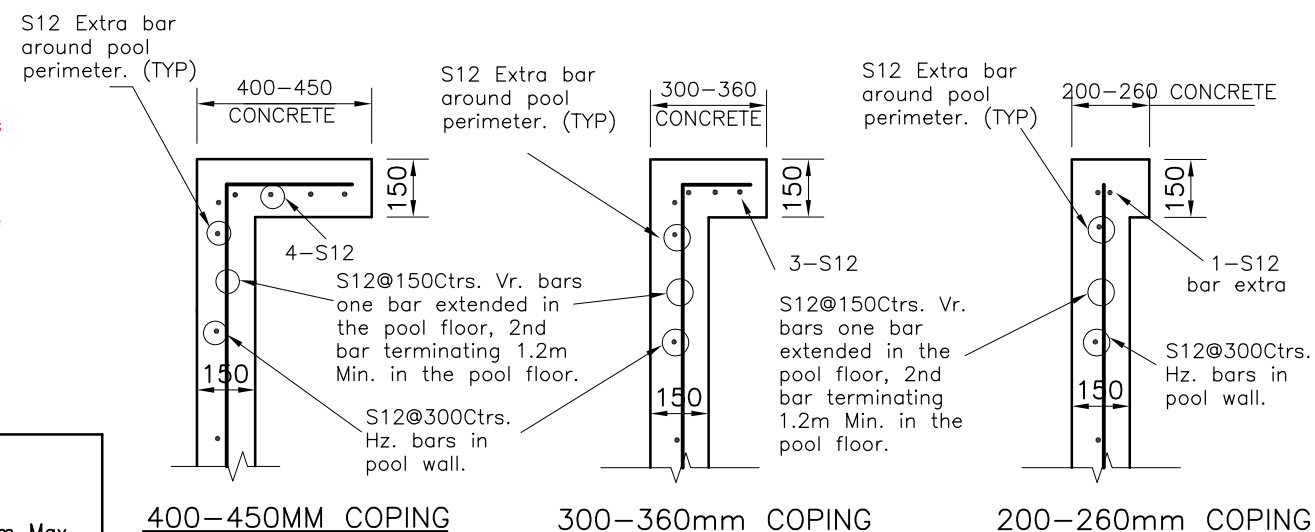


#### ALTERNATIVE DESIGN IF REQUIRED

- WHERE POOL EXCAVATION REVEALS VARIATION IN FOUNDATION MATERIAL OR PARTIALLY FOUNDED ON ROCK OR ON FILL MATERIAL PROVIDE PIERS AS FOLLOWS:
  - IF ROCK STRATUM 800 Kpa BEARING CAPACITY -  $\phi$ 400mm PIERS @1.5m Max.
  - IF SHALEY CLAY STRATUM MIN. 300 Kpa BEARING CAPACITY -  $\phi$ 450mm PIERS @1.4m Max.
- WHERE PIERS ARE REQUIRED AS ABOVE:
  - PROVIDE 2X2.5m LONG S12 BOTH WAYS EXTRA REINFORCEMENT OVER ALL INTERNAL PIERS.
  - PIERS OUT OF GROUND OR DEEPER THAN 1.0m IN GROUND TO BE REINFORCED WITH 6-S12 VERTICAL BARS & R10 HOOPS @250mm C./C.
  - ENGINEER TO BE NOTIFIED FOR ASSESSMENT OF APPROPRIATE PIERS SIZE AND ARRANGEMENT.

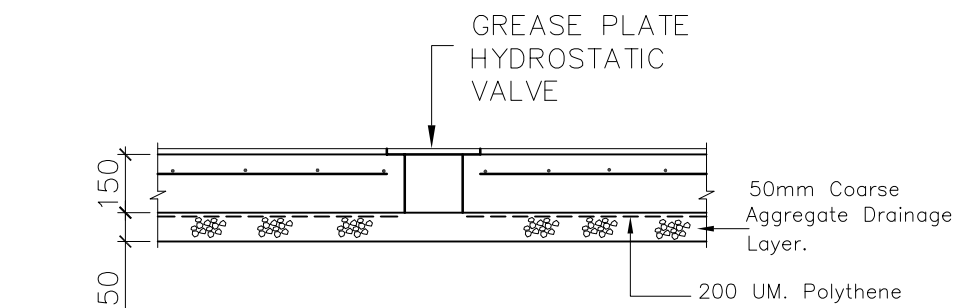


SHALLOW END SEC. C/S1 1:50 @A3

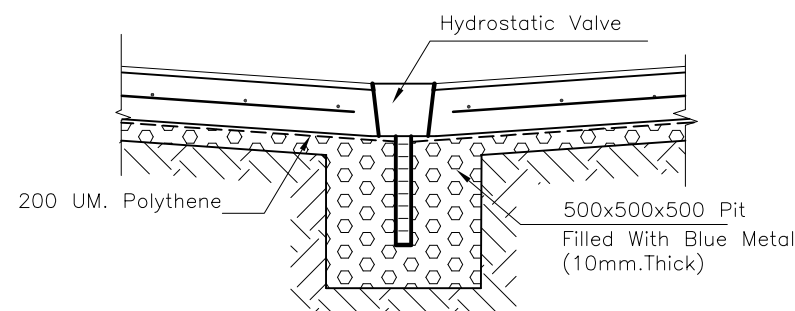


DIFFERENT COPING WIDTH STRUCTURAL DETAILS 1:20

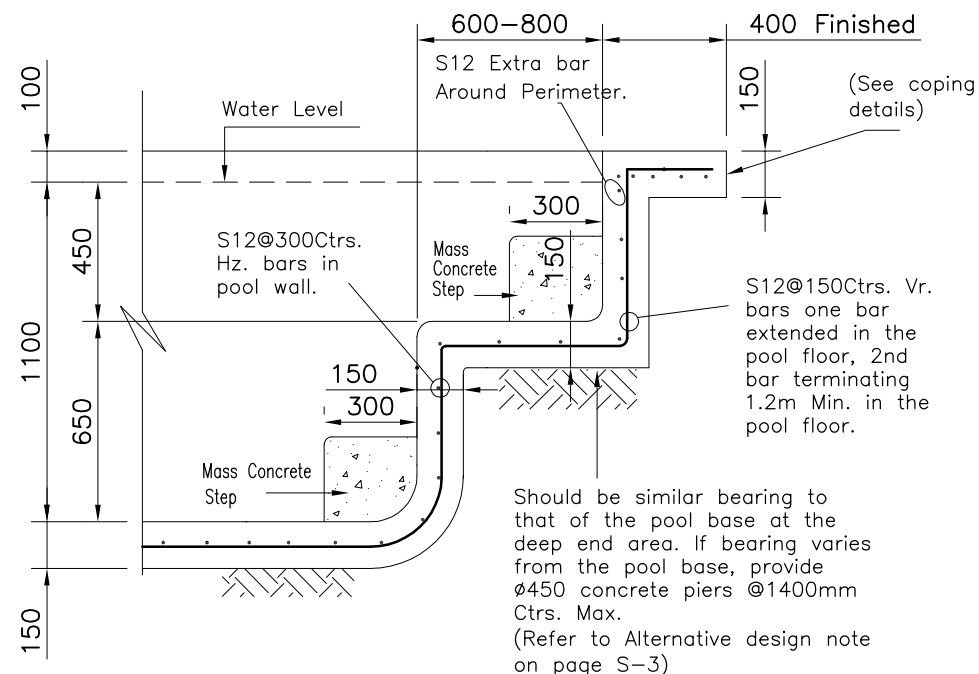
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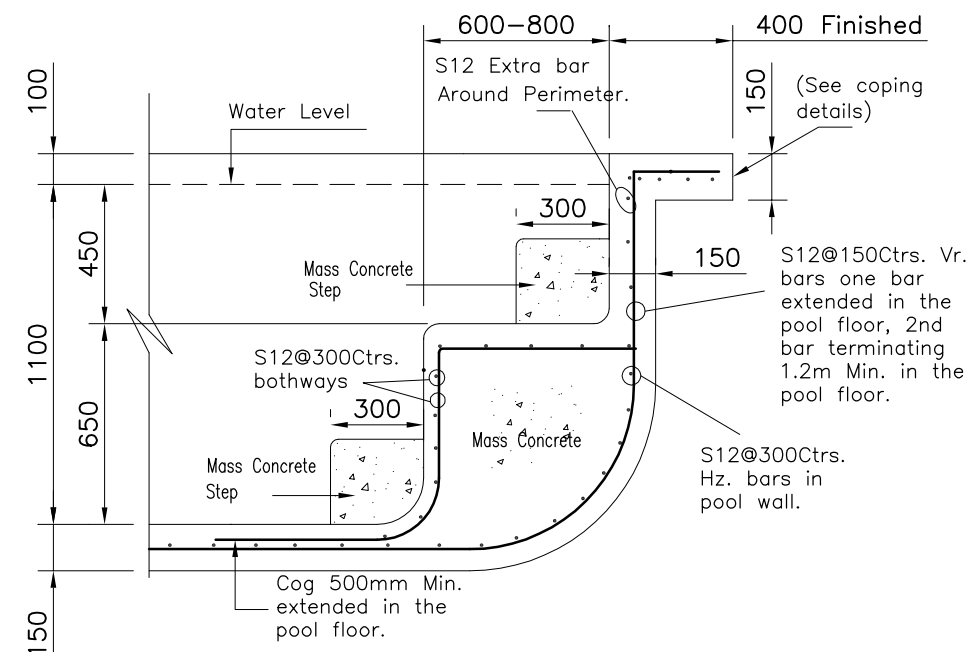
HYDROSTATIC VALVE DETAILS 1:25



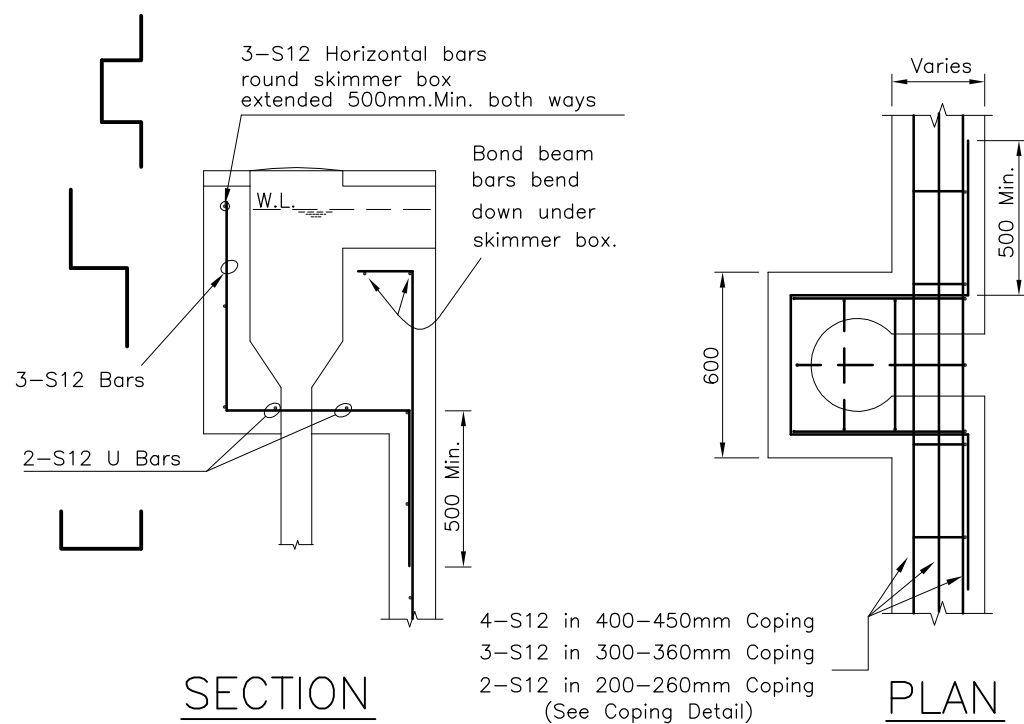
ALTERNATIVE  
HYDROSTATIC VALVE DETAILS 1:25



ALTERNATIVE DESIGN  
BEACH AREA DETAILS 1:25



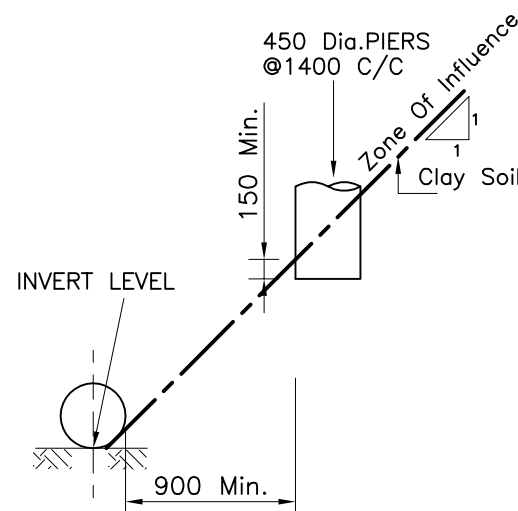
BEACH AREA DETAILS 1:25



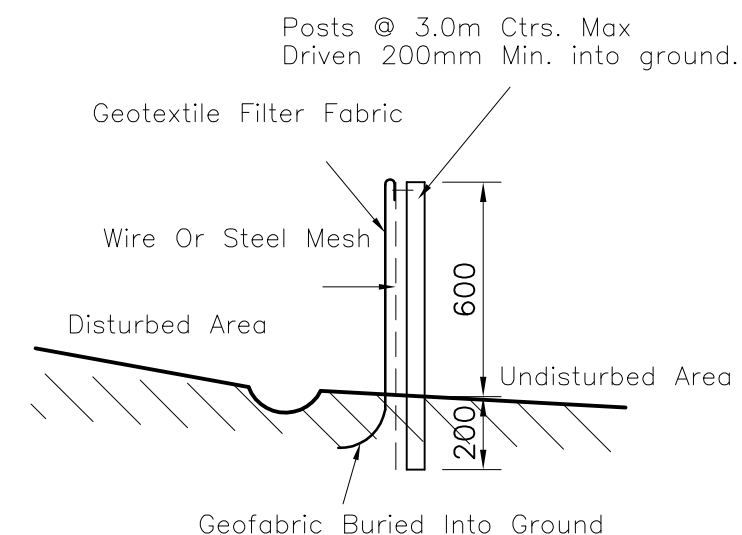
SECTION

PLAN

SKIMMER DETAILS 1:25



TYPICAL BUILDING OVER SYDNEY SEWER DETAIL



SEDIMENT FENCE DETAIL  
NOT TO SCALE

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