

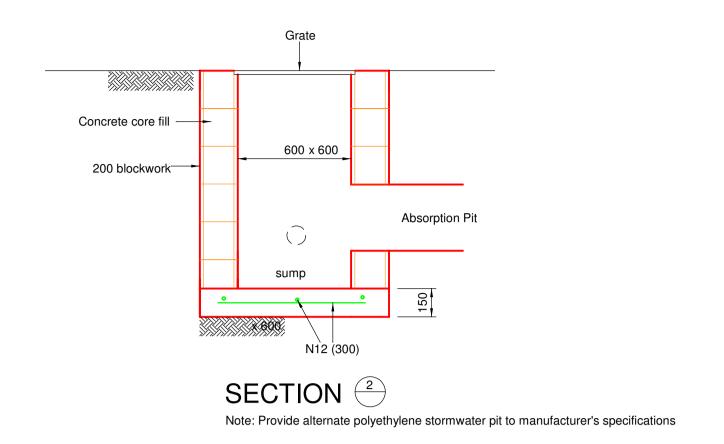
ျှာ့ denotes Natural Surface Level

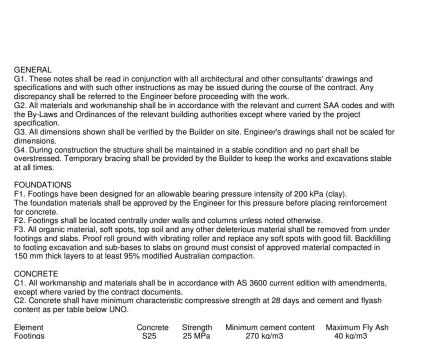
All pipes 1% minimum fall UNO

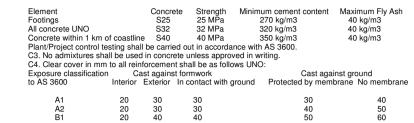
denotes 600 x 600 pit

200 diameter inlet grate

• DP







Exposure classification for exterior concrete - B1. Concrete within 1 km of coastline - B2.

All reinforcement shall be firmly supported on mild steel plastic tipped chairs, plastic chairs or concrete chairs at not greater than 1 metre centres both ways. Bars shall be tied at alternate intersections. In exposure conditions greater than B1 use only plastic chairs.
C5. Concrete sizes shown do not include thicknesses of applied finishes.
C6. Depths of beams are given first and include slab thickness.
C7. For chamfers, drip grooves, reglets, refer to architectural details, maintain cover to reinforcement at

C8. No holes, chases or embedment of pipes other than shown on the structural drawings shall be made in C8. No noies, chases or embedment of pipes other than shown on the structural drawings shall be made in concrete members without the approval of the Engineer.

C9. Construction joints where not shown shall be located to the approval of the Engineer.

C10. The finished concrete shall be a dense homogeneous mass, completely filling the formwork thoroughly embedding the reinforcement and free of stone pockets. All concrete shall be shall be compacted with

mechanical vibrators.
C11. Curing of all concrete is to be achieved by keeping surfaces continously wet for a period of 3 days, and prevention of loss of moisture for a total of 7 days followed by a gradual drying out. Approved sprayed on curing componds may be used where no floor finishes are proposed. Polythene sheeting or wet hessian on curing componds may be used where no floor finishes are proposed. Polythene sheeting or wet hessian may be used if protected from wind and traffic.

C12. Construction support propping is to be left in place where needed to avoid over-stressing the structure due to construction loading. No masonry or partition walls are to be constructed on suspended levels until all propping is removed and the member has absorbed its dead load deflection. Formwork shall remain in place for 21 days or reach 80% of the design strength in accordance with AS 1509. If Engineer allows removal before 21 days, props shall be placed directly under prop over so that two slabs are carrying the load.

C13. The Engineer shall be given 48 hours notice for reinforcement inspection and concrete shall not be delivered until final approval is obtained.

C14. Conduits, pipes etc., shall only be located in the middle one third of slab depth and spaced at not less than 3 diameters.

C15. Reinforcement symbols:

S denotes Grade 230 S Hot Rolled Deformed Bars
N denotes deformed bars to AS/NZS 4671 (D500)
R denotes deformed mesh to AS/NZS 4671 (D500)
L denotes deformed mesh to AS/NZS 4671 (D500L)

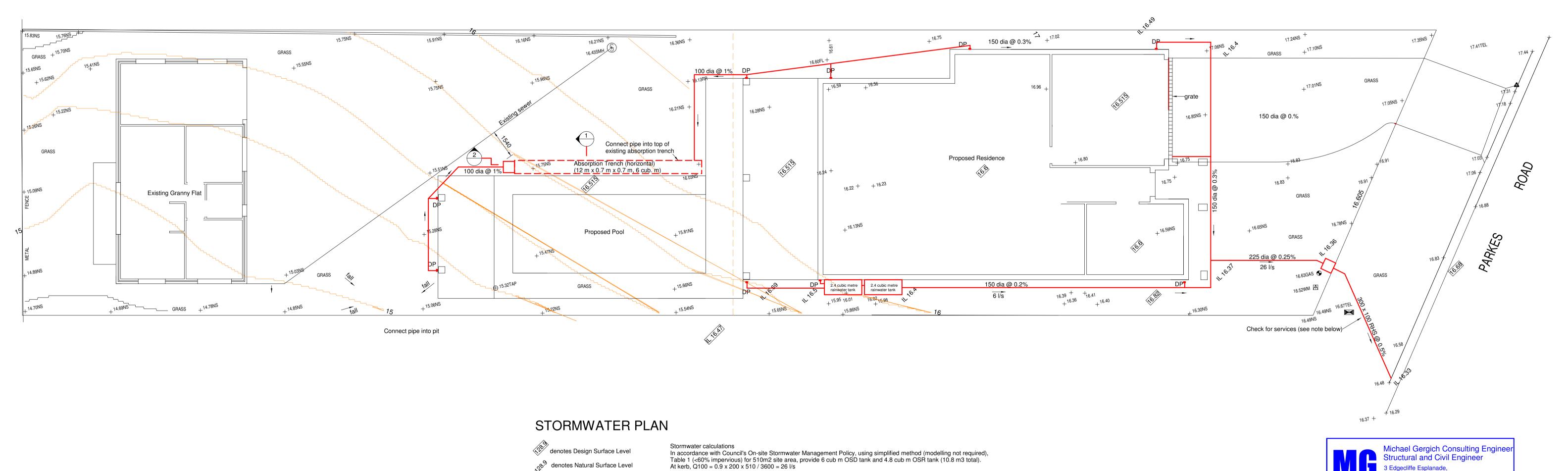
R denotes plain bars to AS/NZS 4671 (250)
L denotes deformed mesh to AS/NZS 4671 (D500L)
The figures shown following the symbol are the number of millimetre diameters in the bar diameter.
C16. Splices in reinforcement shall be made only in positions shown or otherwise approved in writing by the Engineer. Laps shall be in accordance with AS 3600 and not less than the development length for each bar. Provide 40 bar diameter laps UNO.
C17. Fabric reinforcement shall have splices so that the overlap, measured between the outermost tranverse wires of each sheet of fabric, is less than those wires plus 50mm.
C18. Joggles to bars shall be 1 bar diameter over a length of 12 diameters.
C19. Welding of reinforcement shall not be permitted unless shown on the structural drawings or approved by the Engineer.

by the Englineer.

C20. Bundled bars shall be tied together at 30 bar diameter centres with three wraps of tie wire.

C21. Where transverse tie bars are not shown provide N12 at 300mm spliced where necessary and lap with main bars 300mm UNO.

S14. All steelwork which is exposed or in contact with brickwork, and all lintels, shall be hot dip galvanised.



Note: All drainage work to AS 3500

with the application.

Provide a services search to locate public utility services within the proposed

driveway in the road reserve. Where any services are impacted by the works, a letter of approval from the relevant authority is to be submitted to Council

