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Map Title

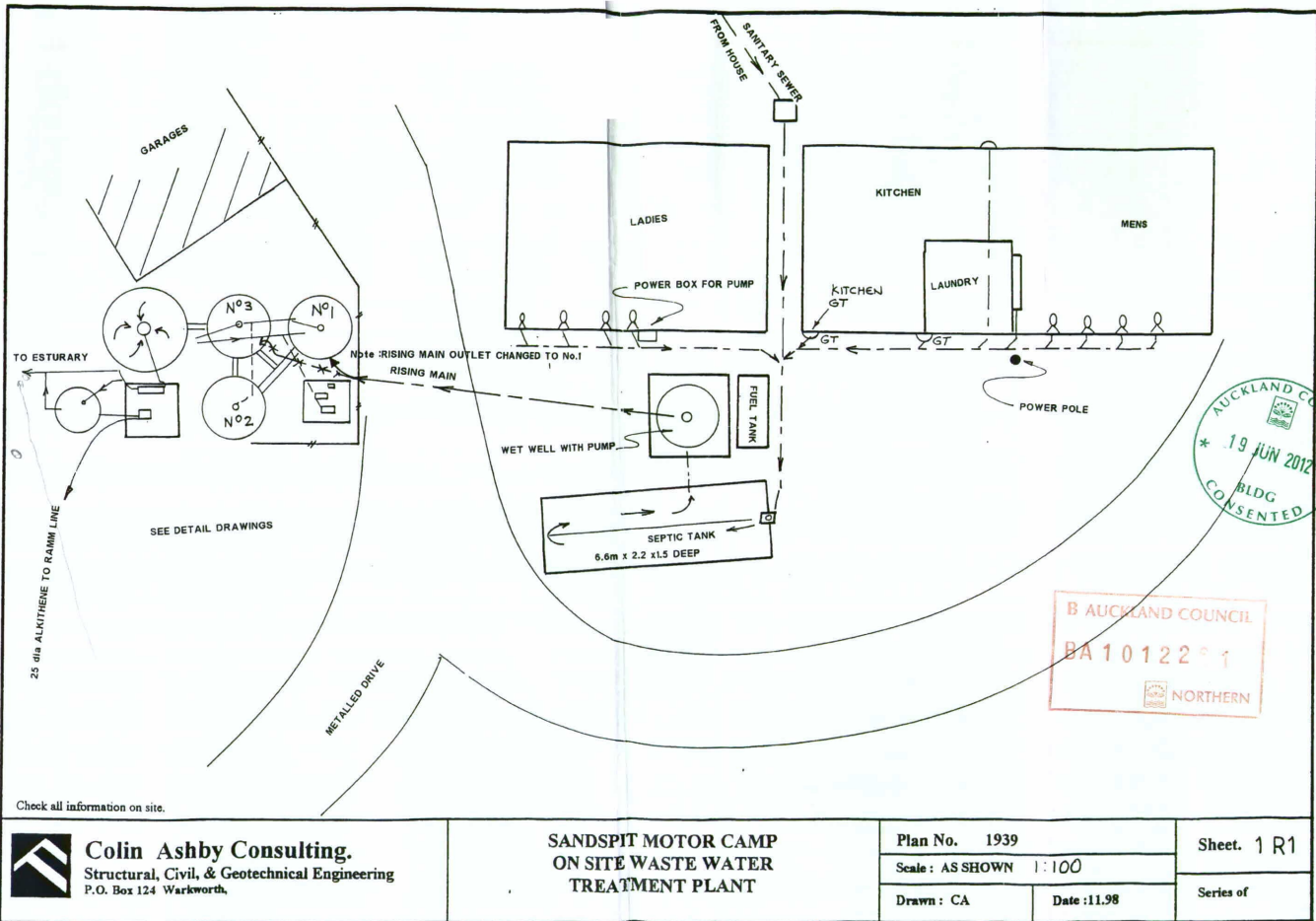


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Auckland Council
Te Kaurihera o Tāmaki Makaurau

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E3 PRECAST CONCRETE

E3.01 GENERAL

This trade is subject to all the documents of the Main Contract and to the Preliminary and General clauses of this Specification and is referred to all other Trade Sections.

Refer also to concrete section, reinforcement and formwork.

E3.02 SCOPE

This section of the Contract consists of the manufacture and supply on trucks at the site of the following precast concrete elements and their erection on site:

Precast Concrete floor units, including their design and detailing

Note that design calculations and shop drawings are to be submitted to Architect for approval prior to manufacturing commencing.

Precast Wall Panels and Stair flights including their shop detailing that is to be submitted to the Architect for approval prior to manufacture commencing.

All relevant NZS Codes for concrete materials, design, and placement shall apply to this work.

E3.03 MATERIALS AND WORKMANSHIP

All formwork, concrete and concreting and finishing shall be in accordance with the relevant clauses of the Concrete Work section of this specification except where noted otherwise in this section.

All reinforcement shall be supplied, bent and placed in accordance with the relevant clauses of the Reinforcing Steel section of this specification.

Units shall be cast in straight, true forms, so as to produce a smooth finish without protruding fins or form joints.

All concrete shall be compacted by an approved vibration technique using power driven vibrators to produce well consolidated dense concrete, free of honeycombs, etc.

Forms shall not be disturbed until the concrete in contact with them has hardened sufficiently to withstand such action without damage.

E3.04 FINISHES

Formwork to units shall be such as to produce the specified finishes.

In general, finished surfaces shall be formed with moulds or by careful trowelling. Surfaces must be free from honeycombing, grout loss, excessive air holes or other imperfections.

