THE NEW ZEALAND INSTITUTION OF ENGINEERS
CONSULTING ENGINEERS DIVISION

These Plans/Specifications must be kept on the job.

PROPOSED PLATE
FOR MR & MRS B. MAUNDER
AT 49 RUSSELL RD
MANUREWA.

Sec No.

SPECIFICATION FOR TIMBER-FRAMED UNITS UP TO TWO STOREYS:

PRELIMINARY & GENERAL:

GENERAL CONDITIONS OF CONTRACT:
The general conditions of the contract shall be those contained in N.Z.S.S. 429: 1964 and shall be read in conjunction with this specification and accompanying drawings each especially mentioning as are attached.

GENERAL:
The contract is to construct, completely finish, and maintain in a perfect state for the Owner the building described in or indicated on the plans, specifications, and signed documents forming the accordance with the conditions of contract. The Contractor shall be deemed to have informed himself and his sub-contractors of every circumstance affecting the said works, and shall either in his tender for every contingency that may arise. Except as expressly provided otherwise, by contract documents, the works are to be all-inclusive and shall not be subject to adjustment.

DOCUMENTS:
The Contractor and his sub-contractors shall be deemed to have examined the contract documents and the documents comprising the contract including any amendments thereto. Such documents shall be regarded as mutually explanatory, but should ambiguity exist, the Provisional and P.C. Items and other matters relating to them particular contract which are not set in the Notice to Contractors.

TRADE SECTIONS:
The work of each trade has been classified in sections as under for convenient reference, but the clear to or all trades to make themselves acquainted with all the clauses elsewhere in the Specifications and for other contract documents that may affect their work.

Trades
Excavator
Concretor
Bricklayer
Concrete Block-Layer
Solid Plasterer
Carpenter & Joiner
Hardware
Roofer
Plumber
Gas Fitter
Drainlayer
Electrician
Fibrous Plasterer
Painter & Paperhanger
Glazier

TRADE-NAMES AND APPROVALS:
Where any article or material is referred to by a trademame, this shall be deemed to mean the type of article or material so mentioned or to the approval of the Architect or Engineer as shall therein in place, quality, finish, and durability and expertly serviceable for the purpose intended.

All approvals shall be exercised by the Engineer.

PROVIDE AND FIX:
The words "provide" or "fix" if used separately shall be deemed to mean "provide and fix" unless expressly stated otherwise.

CLEANING UP:
In respect of every unit, the Contractor shall, at regular periods during construction and particularly prior to floors being laid, remove all dirt, shavings, sawdust, rubbish and other combustible material. At completion sweep all floors, clean all sanitary fittings, remove all paint and putty marks, replaces all broken glass, clean all paint and varnish or other work either inside, inside or outside or in the vicinity of the work that in the opinion of the Engineer is necessary in addition to render it fit for immediate occupation.

TEMPORARY VEHICULAR CROSSINGS:
The Contractor shall supply and maintain such temporary crossings as are necessary for the protection from damage of all kerbs, channels, concrete, tarmac, and pathways where vehicles have to cross them. Any vehicles in any way connected with or using materials for the contract are required to or are likely to pass.

CERTIFICATES:
The contractor shall produce from the Engineer before he shall receive a certificate of satisfactory performance in respect of drainage and gas installations executed under the contract; and not withstanding that he may have been paid without payment of all or portion of any retention moneys on under the contract until such certificates have been made available.

EXCAVATION:

CLEAR SITE AND REMOVE TREES:
Remove any vegetations and trees including roots situated in or adjacent to the ground to be excavated for the new buildings or other works in the contract, including paths, boundary fences, drains and septic tanks. No other trees are to be removed without the written consent of the Owner or the Engineer.

Remove topsoil for an average depth of 9in. Save such surface topsoil of the site as are is in excessive, and deposit in a heap where it will not be buried under should that be necessary subsequently.

GENERAL EXCAVATIONS:
Excavate for all site levelling, foundations, blocks, walls, pipes etc., to the various depths, levels and grades required.

Where detailed on the plans and not from foundations and other excavations is to be evenly spread or deposited on the site, as directed by the Owner. All of the site shall be removed and dumped unless otherwise directed.

Secure and maintain the sides of all excavations and keep clear of water and fallen material. In the event of excavations for foundations or the like being taken below the normal depth must be filled with concrete as specified for foundations at the Contractor's expense. Notify the Engineer when excavation is completed.

GROUND LEVEL IN RELATION TO FOUNDATIONS AND FLOOR SLABS.

(a) Foundations:
Allow for excavation for foundations to obtain a minimum depth of 12in. below ground level.

(b) Floor Slab:
Limestone over floor slab area to receive topsoil and other unsuitable material to the required levels carried. Where necessary excavate below ground level to a depth not less than 6ins. Unless otherwise detailed and where possible provide a fall away from the floor slab of 3" per foot for at least 15 feet.

EXTENT OF:
Set out on site all work as indicated on the plans. All the work must not be proceeded with until pegged in to position and levels by the Engineer.

FILLED GROUND:
Report any filled ground encountered to the Engineer who will instruct the necessary proceedures to be taken.

EXISTING DRAINS:
Report any existing drains to the Engineer.

ROCK:
If rock is encountered in the excavation, report same to the Engineer who will instruct whether the rock is to remain or be removed. If to be removed, explosives shall not be used without the written consent of the Engineer, and the Contractor shall comply with the requirements of Regulations given under the Explosives Act 1957.

PUMPING:
Perform all pumping, bailing, temporary drainage, etc. that may be necessary to keep excavations, site, and buildings free from water during progress of work.

FILLING IN:
Hook fill and thoroughly consolidate around all piles, footings, and foundation walls, immediately after stripping the boxing.

Fill in with well-consolidate loam or clay any depression liable to harbour water in the ground under the building.

49/5578

MANUREWA BOROUGH COUNCIL
DRAINAGE PLAN

Section or which part has been altered
Owner W.H. Marshall Address 49 Russell Rd.
Contractor J.F. Anderson

NOTE:- No drainage work & work after 11/55 showing street line, section boundaries, buildings in outline. Name of Suburb, Subdivision plan etc., MUST be supplied

Russell Rd

SCALE 10 Inch = 1 Chain

49/5578

DRAINAGE PLAN

Owner of Property R.J.T. Henderson Contractor J.F. Kennedy
Address Hillcrest Rd Drainlayer's Licence No.
Manurewa Drainage Permit No.
Building Permit No.

NOTE:- For Drainage work & work due to be carried out, No. 1 Section, boundaries, buildings in outline, Name of Suburb, Subdivision plan etc., MUST be supplied

W.H. Marshall 49/5578

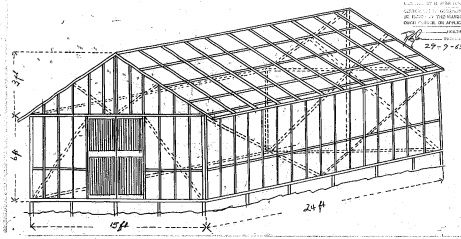
Hillcrest Rd

Jacobs Rd

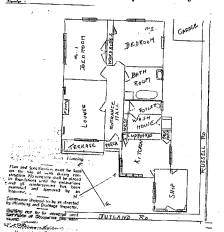
Proposed Dwg. No. 1 Sec.

SCALE 10 Inch = 1 Chain

CITY OF MANUKAU



These Plans/specifications must be kept on the job.



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25 SEP 1968

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