SPECIFICATIONS AND SCHEDULE FOR:

The development of approximately 10 acres of passive recreation land at Queen Elizabeth Park, Paekakariki.

Submitted in partial fulfilment of the requirements for the Diploma of Landscape Architecture in the University of Canterbury by A.R. Petrie
Lincoln College
1972
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Part A

CONDITIONS OF TENDER

1. Standard Conditions of Tender
   The Conditions of Tender for this Contract shall be Part 2 of the Conditions of Contract
   NZSS 623. 1964 (printed) together with the following amendments and additional clauses.

2. Amendments to Part 2 - Tender
   Clause 2.1.1. The word Engineer shall be amended to read Landscape Architect.

3. Additional Clauses
   (1) Interpretation of Specification
   Should there be any doubt or obscurity as to the meaning of any of the documents
   comprising the Contract, or as to anything to be done or supplied, or as to any
   other matter or thing, the persons tendering must set forth such doubt or obscurity
   in writing and submit the same with the tender, together with a clear indication
   as to what is provided for in the tender.

   (11) Variations to Specification
   Unless otherwise stated in the tender, the tenderer will be assumed to have
   accepted without reservation or amendment the whole of the specification. If
   the tender is conditional upon any amendments to the specification, such
   amendments must be clearly stated in a separate document to be submitted with
the tender. Any amendments or additions so submitted will not be binding on the
client unless incorporated in any contract which may be made between the Landscape
architect and the tenderer.

(iii) Accuracy of Tender

The client accepts no responsibility for the arithmetical or other accuracy of any
tender. Should it transpire after the contract has been let that there are
arithmetical mistakes in the accepted tender which would have increased the total
amount of the tender had such mistakes not been made, the contractor shall not be
entitled to any payment in respect of such mistakes.

4. Withdrawal of Tender

Should any tenderer withdraw his tender after tenders close, then the amount of
deposit accompanying the tender may without prejudice to any other rights or remedies
of the client be forfeited absolutely to the client - as for liquidated damages.

5. Tenders to be on the Official Forms

Tenders shall be submitted on the Official Forms of Tender and shall be accompanied
by the Official Schedule of Bill of Costs, both duly completed by the tenderer.

6. Informality in Tenders

The Landscape architect reserves the right to waive any informality in any tender.
7. **Validity of Tender**

   Tenders shall remain valid for a period of 90 days immediately following the date of the closing of tenders.

8. **Bill of Costs**

   Tenderers shall submit with their tender a copy of the Bill of Costs duly priced and completed in all respects.
PART B  SPECIAL CONDITIONS OF CONTRACT


1. Nature, Location and Extent of Work:

This is a lump sum contract for the development of approximately 10 acres of passive recreation land at Queen Elizabeth Park, Paekakariki, the area is defined on the Location Plan, sheet No. 4.

It is intended to leave all the land in its existing form, with all proposed roads following the Layout Plan on sheet No. 5.

On the site are to be constructed a notice board, elevated board-walk and a life-boat ramp. There is also extensive tree planting as set out on sheet No. 5.

The work is to be carried out in accordance with the provisions of the Contract Documents, which includes:

(a) These conditions of contract
(b) The conditions of Tenders and General Conditions of Contract for Civil Engineering Work, being N.Z.S.S. 623 (incorporating amendments No.'s 1 and 2), a copy of which is available for inspection at the Landscape Architect's Office.
(c) The specifications
(d) The drawings
(e) The schedule of Quantities.
2. **Schedule of Quantities:**

   The Contractor shall submit a complete schedule of quantities and prices showing how the lump sum has been calculated. Any alterations and additions will be based upon these prices. The contractor is required to verify for himself the accuracy of the schedule, and any items not scheduled or wrongly scheduled but required for the completion of the job must be inserted.

3. **Site:**

   Tenderers shall inspect the site and make themselves conversant with it and verify the conditions regarding the contract, and shall also verify the ground levels, Site B.M. level, and dimensions before submitting a tender.

   The contractor shall use only such means of access to the site as the Landscape Architect shall approve.

4. **Completion:**

   At the completion of the job, the site shall be left free of rubbish, and generally clean, ready for the commencement by the landscape contractor; and shall be to the satisfaction of the Landscape Architect, before the contractor removes his equipment from the site.

5. **Drawings:**

   The drawings; being those indicated on sheet No.'s 5 and 6 of the folio of plans; and this specification shall be read in conjunction, and anything shown on the drawings and not specified, and vice versa, shall be equally binding as though included in both. The
drawings shall be held to illustrate the general character of the works, and parts not shown shall be constructed in accordance with the best trade practice for the class of work concerned.

6. **Dimensions:**

Figured dimensions on drawings shall take preference to scaled dimensions, and large scale drawings shall be given preference to smaller scale.

7. **Permits, Licences, Fees:**

All permits, licences, and fees necessary for all portions of the work shall be obtained and paid for by the contractor. The Contractor shall comply with the requirements of the Wellington City Council.

8. **Variations**

No extra charge will be payable unless ordered in writing by the Landscape Architect, any verbal instructions are deemed to be instructions for the proper execution of the work not involving extra charges.

9. **Materials and Workmanship:**

All materials and workmanship shall comply with the N.Z. Standard Specifications, the various specifications being relevant to each part of the work. All workmanship shall be carried out in accordance with the best trade practice.
10. **Progress Payment:**

The Contractor shall submit a monthly claim in accordance with the Schedule of Quantities for the work done during the month. Progress payments shall be made monthly on the certificate of the Landscape Architect and retention amounts will be withheld in accordance with the Wages Protection and Contractors Loan Act, 1939 and subsequent amendments.

11. **Alterations and Additions:**

Any alterations and additions shall be carried out at the schedule rate for such work.

12. **Engineer:**

The word 'Engineer' as defined in the N.Z.S.S. 623 shall be interpreted for the purpose of this contract to mean the Landscape Architect.

13. **Commencement:**

Work shall be commenced not later than .......... 1972.
Part C

TECHNICAL SPECIFICATIONS

EARTHWORKS

Note:— General Clauses and Conditions of Tender shall be read as they apply to this trade.

1. General

Survey reference points will be supplied by the Council. The Contractor shall employ a registered surveyor or engineer to set out datum lines and level reference points for the proposed roads as directed by the Landscape Architect.

2. Stockpiling of Top Soil

All top soil removed during the stripping process for roads shall be stockpiled for future spreading.

3. Removal of Obstructions

The Contractor shall remove at his own expense all obstructions as and when required by the plans or where the proper construction and completion of the work require their removal. Material that is removed as specified on the drawings, nor used in site filling or landscaping, shall be removed from the site and disposed of at the Contractor's own expense.

4. Stripping

All vegetation, such as roots, brush and all decayed vegetable matter, rubbish and unsuitable material within the area of the work shall be stripped or otherwise removed before grading is started.
5. **Finish**

All proposed roads shall be graded uniformly to the elevations shown on the drawings. The finished surface shall be reasonably smooth, compacted and free from any irregular surface changes. The degree of finish shall be that ordinarily obtainable from either blade-grader or scraper operations. The finished surface shall not be more than 0.2 feet above or below the established grade. The surface of areas on which a base course is to be placed shall not vary more than 0.05 feet from established grade and approved cross section.
Part D

CARPENTER

Note: General Clauses and Conditions of Tender shall be read as they apply to this trade.

1. **Timber Quality**
   All timber shall be the best of its kind and class, graded and classified in strict accordance with the National Grading Rules, and suitable for its purpose.

2. **Seasoning**
   All timbers shall be seasoned in the open air or in an approved kiln. Such seasoning shall take place before machining.

3. **Treatment**
   All timbers specified to be of Pine, shall be pressure treated by the Tanslith class 2 or Bolidon 525 process in accordance with the provisions of N.Z. S.S. C.P. 4 : N.Z. Standard Code of Practice for timber preservation and shall have the maximum retentions.

4. **Framing Generally**
   The whole of the Carpenter's work shall be undertaken in accordance with the best trade practice and fitted with all necessary bolts, screws etc as shown or as required.

5. **Bolts**
   Where members are specified to be bolted, the bolts, nuts and washers shall be galvanised.

6. **Nails**
   All nails used shall be galvanised.
Part E

LANDSCAPE CONTRACTOR

1. **Planting Operations:**

   (a) The Contractor shall be required to stake out on the ground locations for trees and shrubs planted, in accordance with Drawing No. 5, and obtain the approval of the Landscape Architect before planting is begun.

   (b) On excavation of the plant holes, the bases shall be loosened to a depth of 3 inches and mixed with an equal amount of topsoil. A mound of soil shall be formed in the centre of the hole to support the roots or ball of the plant. The protecting material surrounding the roots shall be carefully removed with a minimum of root disturbance and the plant shall stand at the same depth as it was in its original location.

   (c) The plant hole shall be backfilled with topsoil and shall be carefully tramped into place in a manner to avoid injury to the roots.

2. **Staking of Tree Specimens:**

   All tree specimens shall be supported on their north-west sides with stakes which shall be inserted before trees are placed in the holes. Stakes shall be of treated pine and shall have a maximum clear height of 4 foot six inches above the ground. Stakes of no less than 2 inches square shall be used and trees shall be tied to them with rubber or plastic ties in such a manner so as not to strangle the trunk.

   Any pruning necessary to improve the shape of the tree must be discussed with the Landscape Architect before work is commenced.
SCHEDULE OF QUANTITIES

It should be noted that the following quantities are the estimated quantities of the work and are not to be taken as the actual and correct quantities of the work to be executed by the Contractor in fulfilment of his obligations under the contract.

PART C EARTHWORKS

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Qty.</th>
<th>Unit</th>
<th>Rate</th>
<th>$</th>
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<tr>
<td>1</td>
<td>Allow for complying with all conditions of contract</td>
<td></td>
<td>L.S.</td>
<td>50.00</td>
<td></td>
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<td>2</td>
<td>Allow for all setting out and survey work</td>
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<td>3</td>
<td>Excavate and deposit topsoil where indicated</td>
<td>90</td>
<td>cub. yds.</td>
<td>1.20c</td>
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<td>4</td>
<td>Provide, spread and compact clay liner for roads</td>
<td>1800</td>
<td>cub. yds.</td>
<td>3.04c</td>
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<td>5</td>
<td>Provide, spread and compact sand/clay mix for walking paths</td>
<td>900</td>
<td>cub. yds.</td>
<td>4.00</td>
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<td>Removal of obstructions off the site</td>
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<td>7</td>
<td>Contingency figure 10%</td>
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<td></td>
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<td>Allow for any other items</td>
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Total $8885.00

Carry to summary
Note all rates of materials were extracted from the August 1972 Building Economist Journal, Vol 1. No. 3.

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<td>Surf Club Ramp</td>
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<td>1</td>
<td>battens, 4 x 2</td>
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Total $159.60

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<td>1</td>
<td>Allow for complying with all Conditions of Contract</td>
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<td>L.S.</td>
<td>50.00</td>
<td></td>
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<tr>
<td>2</td>
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<td>L.S.</td>
<td>100.00</td>
<td></td>
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<td>(say)</td>
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$ 507.00

Carry to summary.
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<th>Description</th>
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<tr>
<td>C</td>
<td>Earthworks</td>
<td>$8885.00</td>
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<tr>
<td>D</td>
<td>Carpenter</td>
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<td>E</td>
<td>Landscape Contractor</td>
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<td><strong>Total tender price</strong></td>
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