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AN APPRAISAL OF THE TEKAPO REGION WITH SPECIFIC
EMPHASIS ON PLANNING OF THE DOMAIN

A Research Study
submitted in partial fulfilment
of the requirements for the
Diploma in Landscape Architecture
in the
University of Canterbury

by
T.C. Emmitt B.Hort.

Lincoln College
1973

Extensive grazing

Mount John summit (3377')
approx. 45 chains to the north

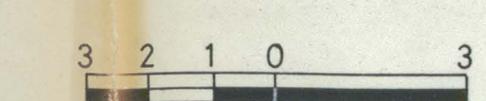
Agriculture



Note:
Base plan for sheets 1 to 3 derived from
Lands and Survey topographical plan (1 inch to 5 chains)



Scale 1 inch to 3 chains



TEKAPO DOMAIN SURVEY ONE

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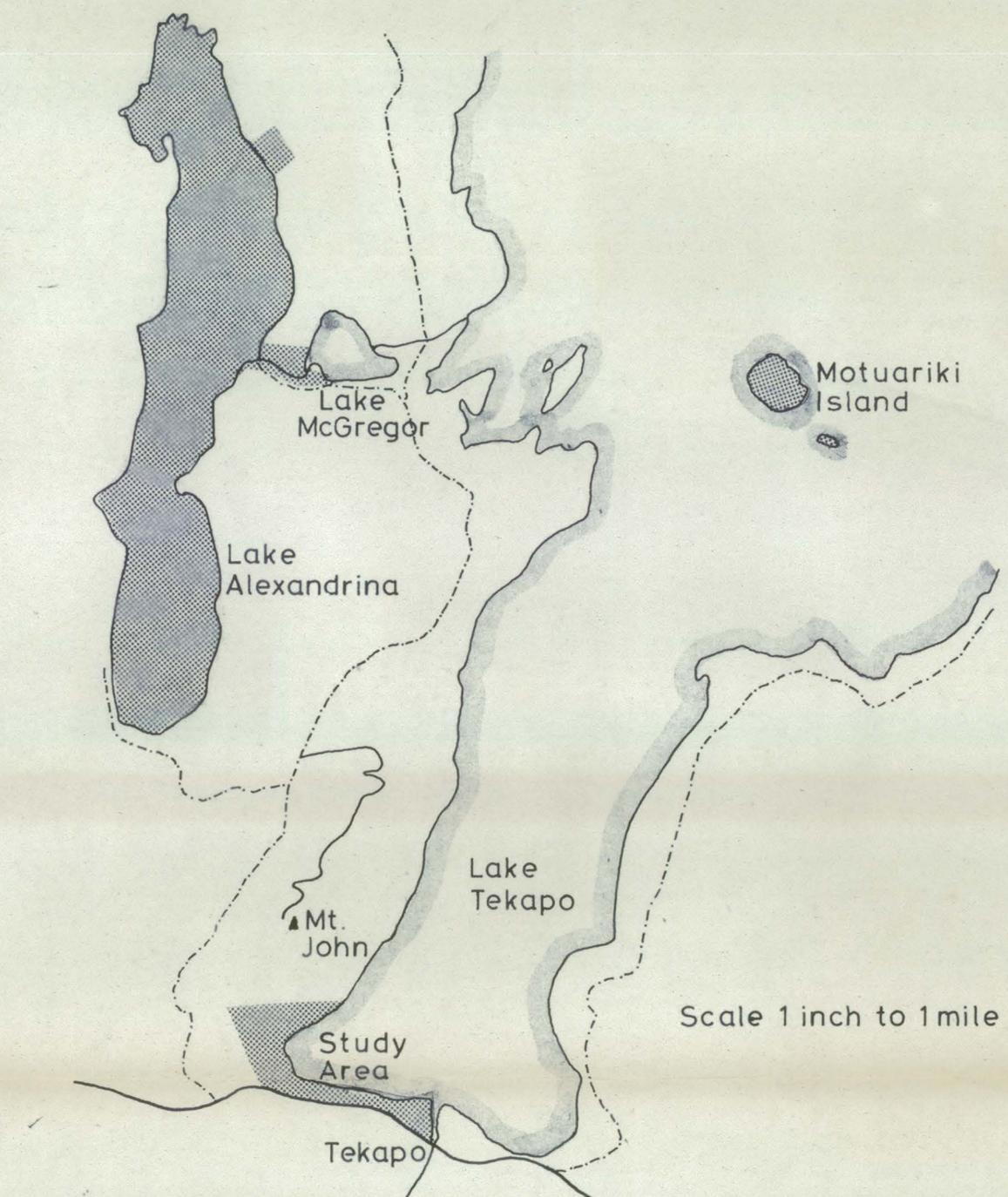
LEGEND

Vegetation	
Grass, weeds, short-tussock and bare earth	
Evergreen - mainly <i>Pinus nigra</i> - 75%	
Deciduous - mainly <i>Larix decidua</i> (larch) - 90%	
Special areas	
(1) <i>Betula pendula</i> (silver birch)	
(2) Douglas fir, oaks, silver birch	
(3) Silver poplar	

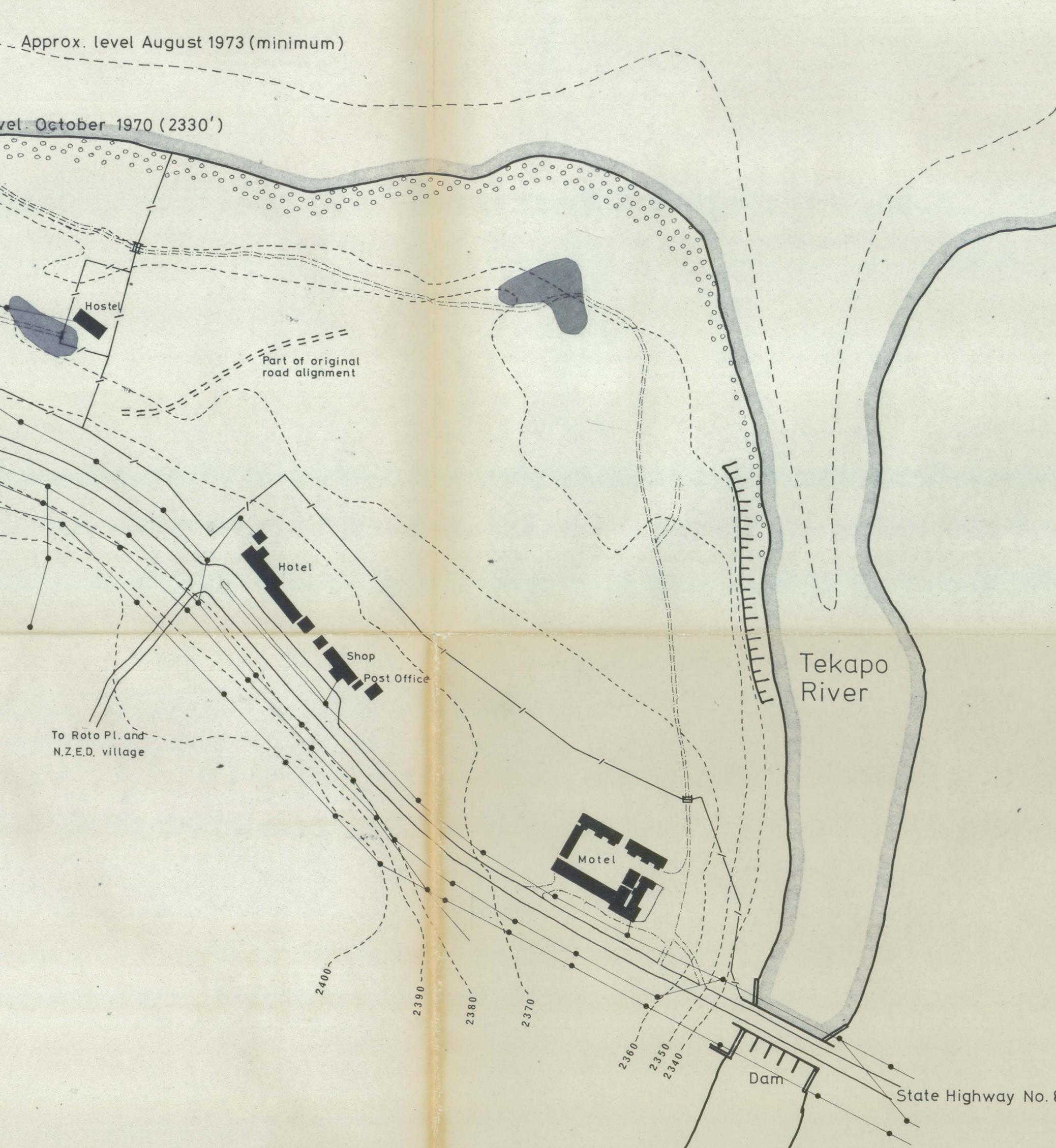
Buildings	
Contours at 10' intervals	
Sealed roadways	
Metallic roads	
Cattle-stops	
Fences	
Gates	
Overhead services and poles	
Electrical substation	
F Fireplace	
H Fire hydrant	
P Power points	
T Water tap	
T Bouldery shoreline	
B Bank	

Geology
Mount John to the north is a roche moutonnée and the steep downstream slopes (caused by the quarrying action of the ice) represents the Domain's northern boundary. The rest of the Domain is formed by the terminal moraine of the last ice action that impounded Lake Tekapo
Soils
The soil type is generally Tekapo Rolling, however in the Domain they have been greatly altered by vegetation, building and construction activity. They are shallow (30-60 cm to morainic boulders) with a large number of surface boulders and are free draining but hold enough water in summer to sustain plant growth

Total area of the Domain

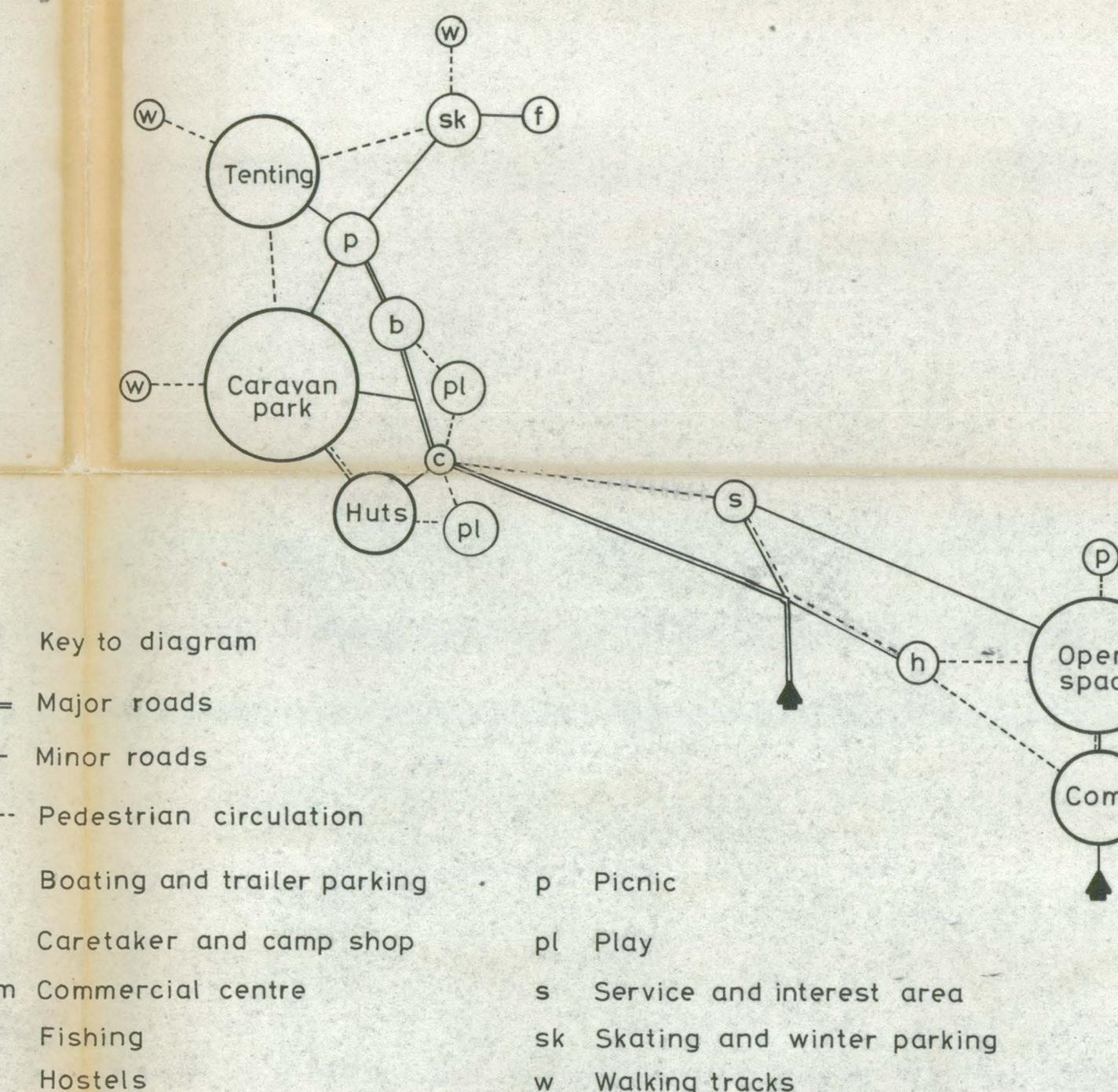


Scale 1 inch to 1 mile



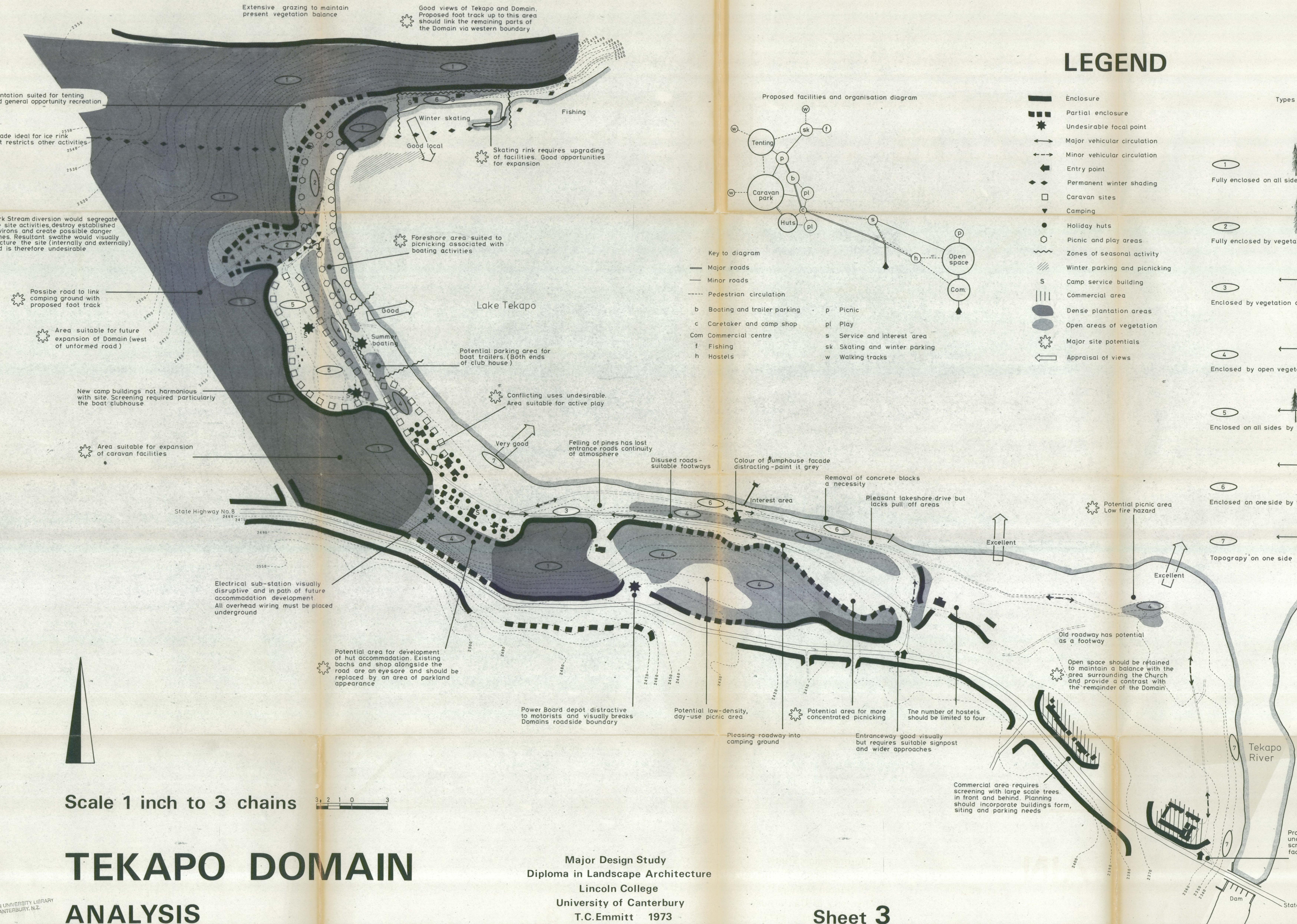
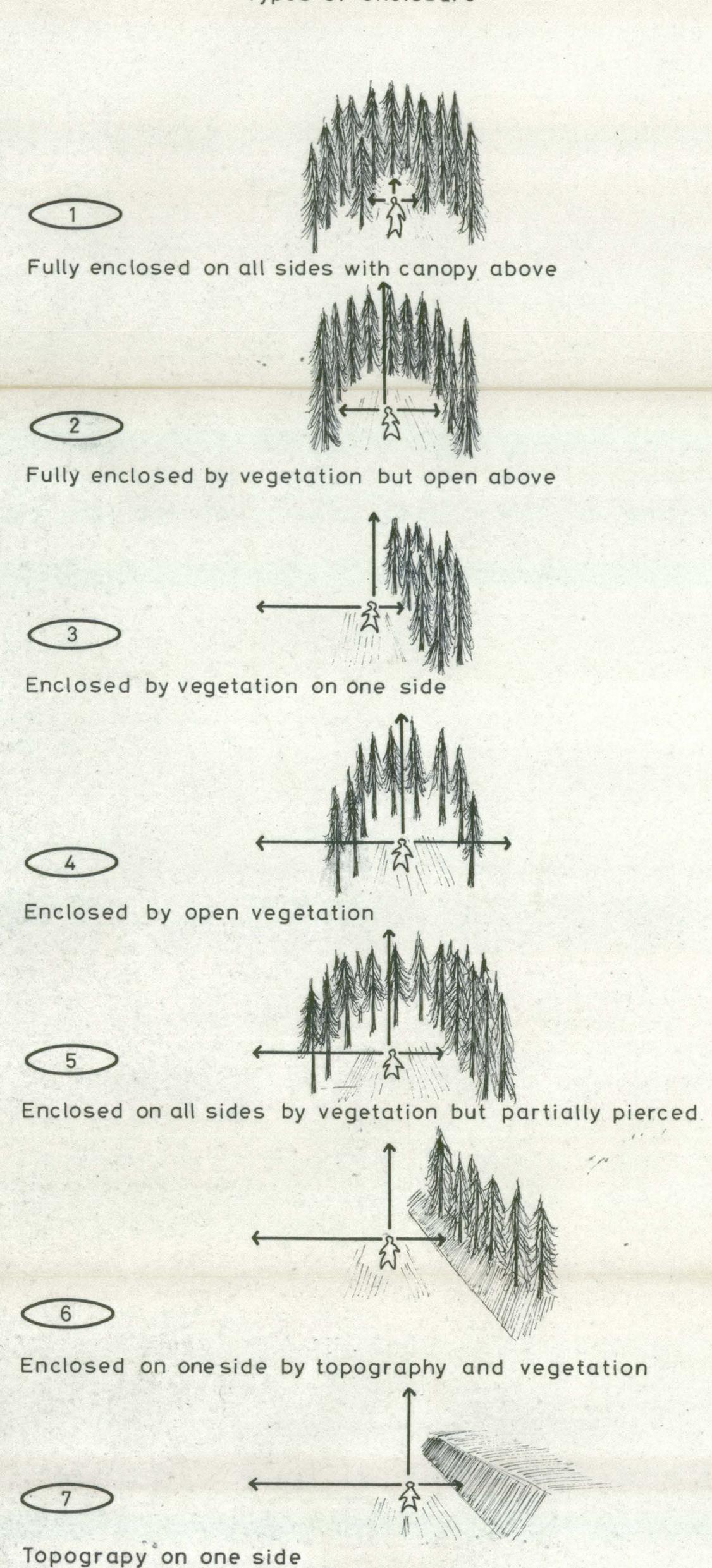
LEGEND

Proposed facilities and organisation diagram



- Enclosure
Partial enclosure
Undesirable focal point
Major vehicular circulation
Minor vehicular circulation
Entry point
Permanent winter shading
Caravan sites
Camping
Holiday huts
Picnic and play areas
Zones of seasonal activity
Winter parking and picnicking
Camp service building
Commercial area
Dense plantation areas
Open areas of vegetation
Major site potentials
Appraisal of views

Types of enclosure



LEGEND

Phasing of Domain

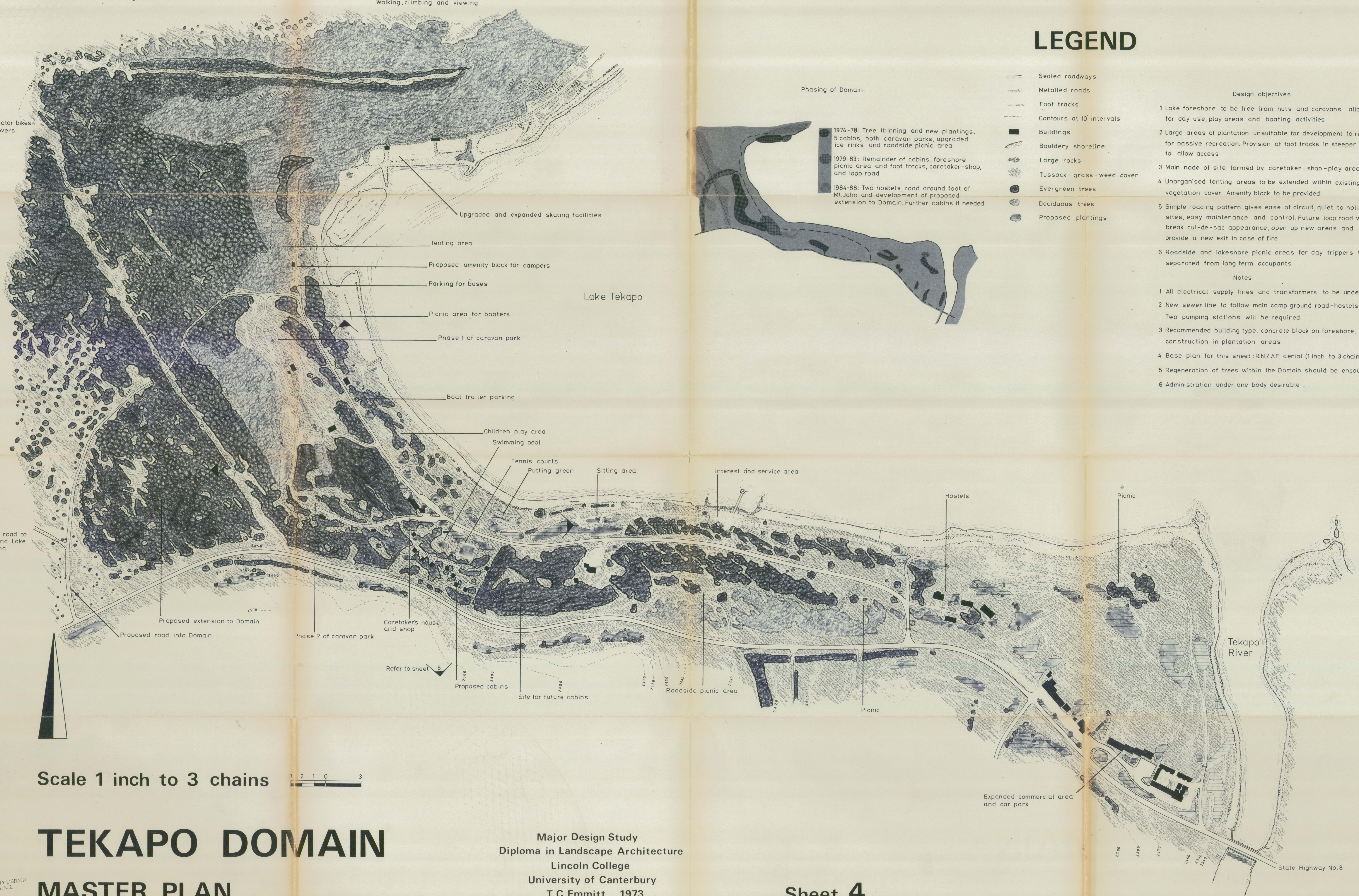
- 1974-78: Tree thinning and new plantings, 5 cabins, both caravan parks, upgraded ice rinks and roadside picnic area
 - 1979-83: Remainder of cabins, foreshore picnic area and foot tracks, caretaker-shop and loop road
 - 1984-88: Two hostels, road around foot of Mt. John and development of proposed extension to Domain. Further cabins if needed

Design objectives

- 1 Lake foreshore to be free from huts and caravans allowing for day use, play areas and boating activities
 - 2 Large areas of plantation unsuitable for development to remain for passive recreation. Provision of foot tracks in steeper areas to allow access
 - 3 Main node of site formed by caretaker-shop-play area
 - 4 Unorganised tenting areas to be extended within existing vegetation cover. Amenity block to be provided
 - 5 Simple roading pattern gives ease of circuit, quiet to holiday sites, easy maintenance and control. Future loop road will break cul-de-sac appearance, open up new areas and provide a new exit in case of fire
 - 6 Roadside and lakeshore picnic areas for day trippers to be separated from long term occupants

Notes

- 1 All electrical supply lines and transformers to be underground
 - 2 New sewer line to follow main camp ground road-hostels-hotel.
Two pumping stations will be required
 - 3 Recommended building type: concrete block on foreshore, timber construction in plantation areas
 - 4 Base plan for this sheet: R.N.Z.A.F. aerial (1 inch to 3 chains)
 - 5 Regeneration of trees within the Domain should be encouraged
 - 6 Administration under one body desirable



Scale 1 inch to 3 chains

A horizontal number line with tick marks at integer intervals from 3 to 3. The tick marks are labeled 3, 2, 1, 0, and 3. There are four equal segments between the first three labels, and one segment between the last two.


TEKAPO DOMAIN

MASTER PLAN

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Sheet 4

Generalized cross-section through site



TEKAPO DOMAIN CARAVAN AND CABIN SITES

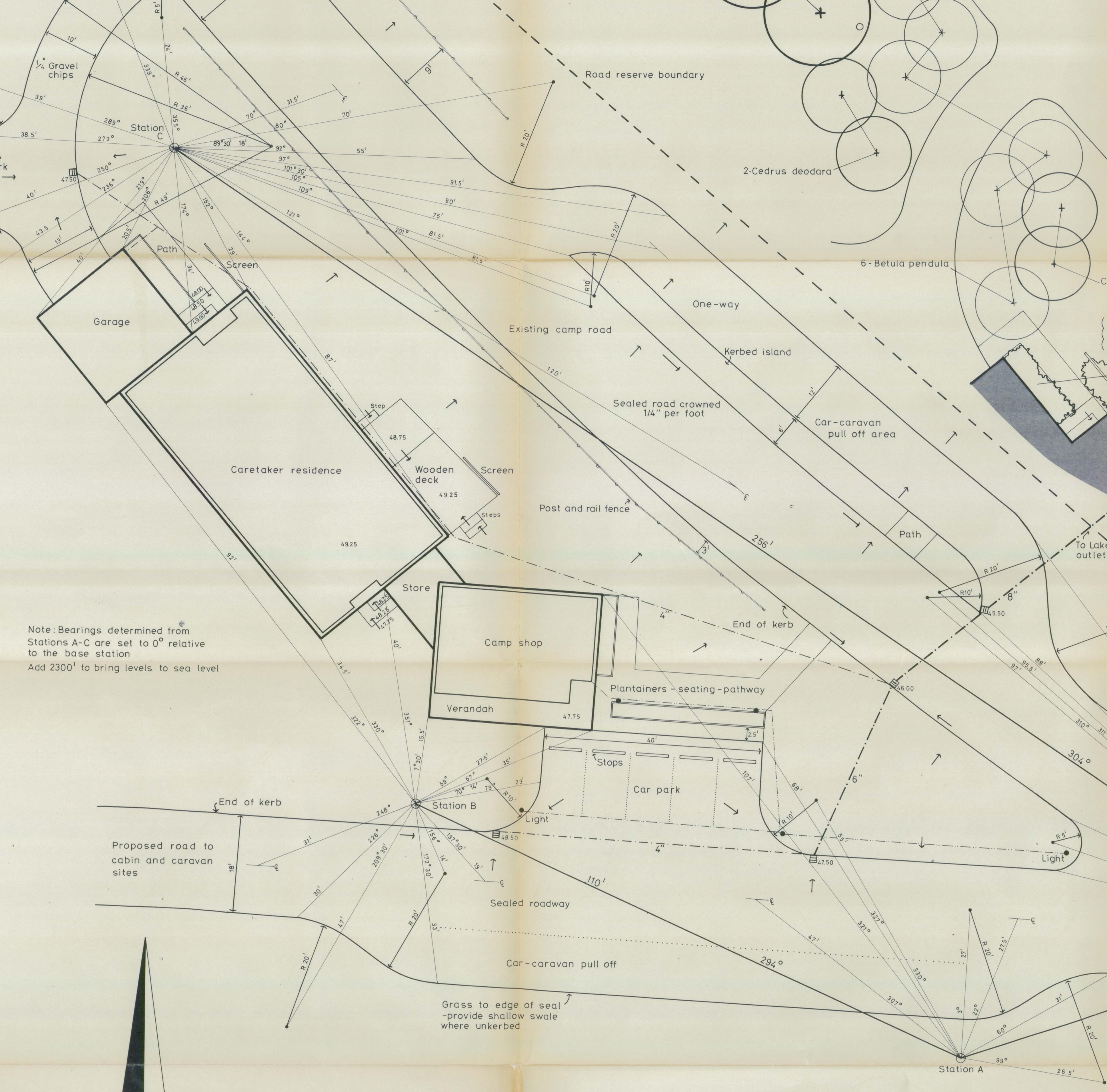
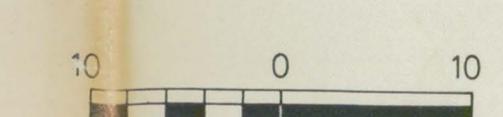
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TEKAPO DOMAIN STAKING AND PLANTING PLAN

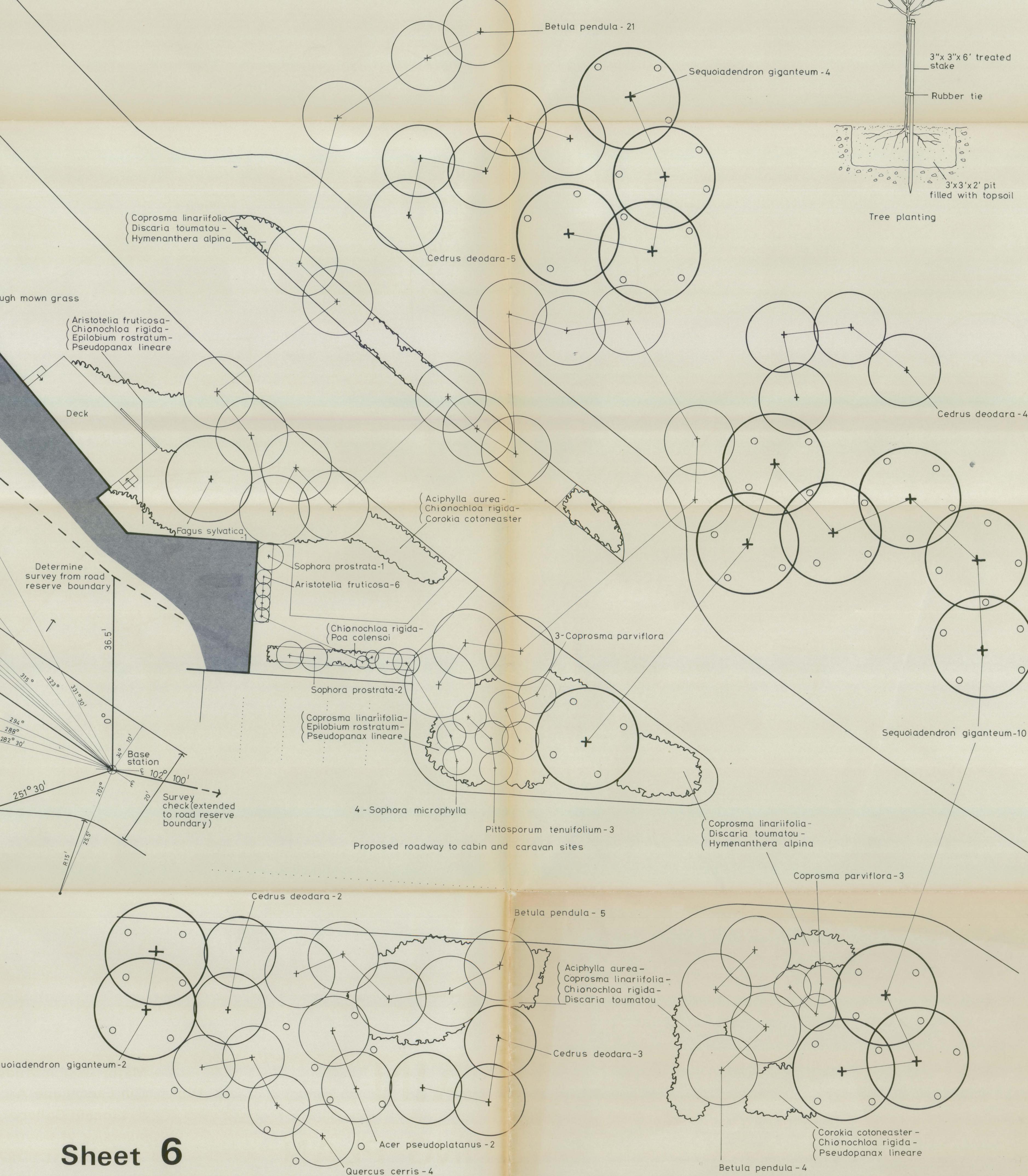
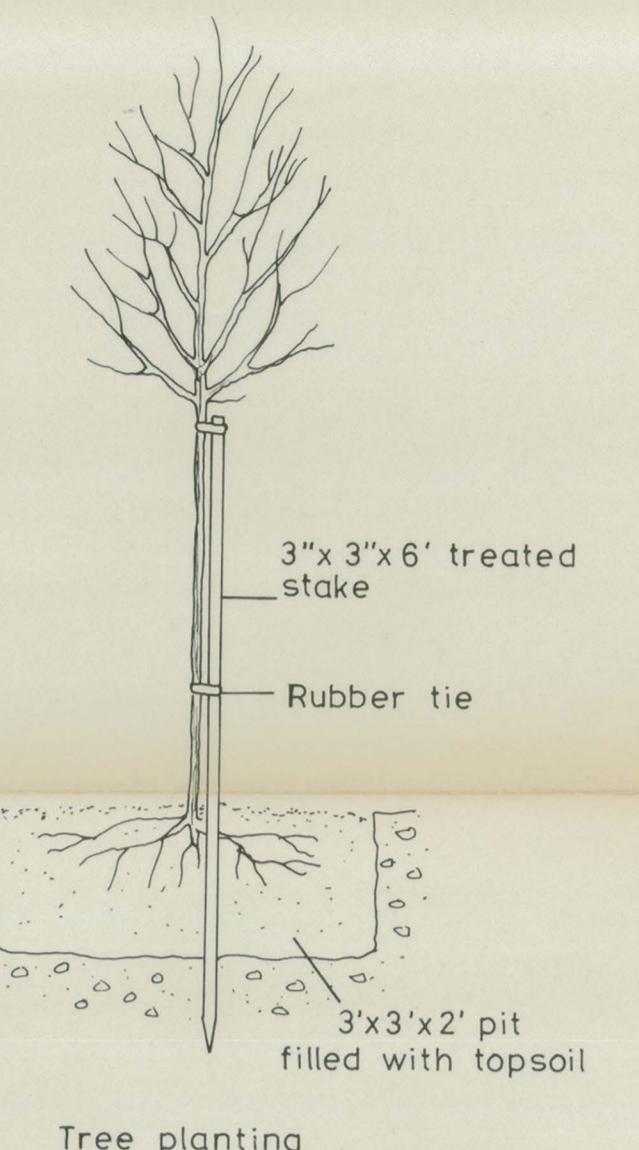
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
Scale 1 inch to 10 feet

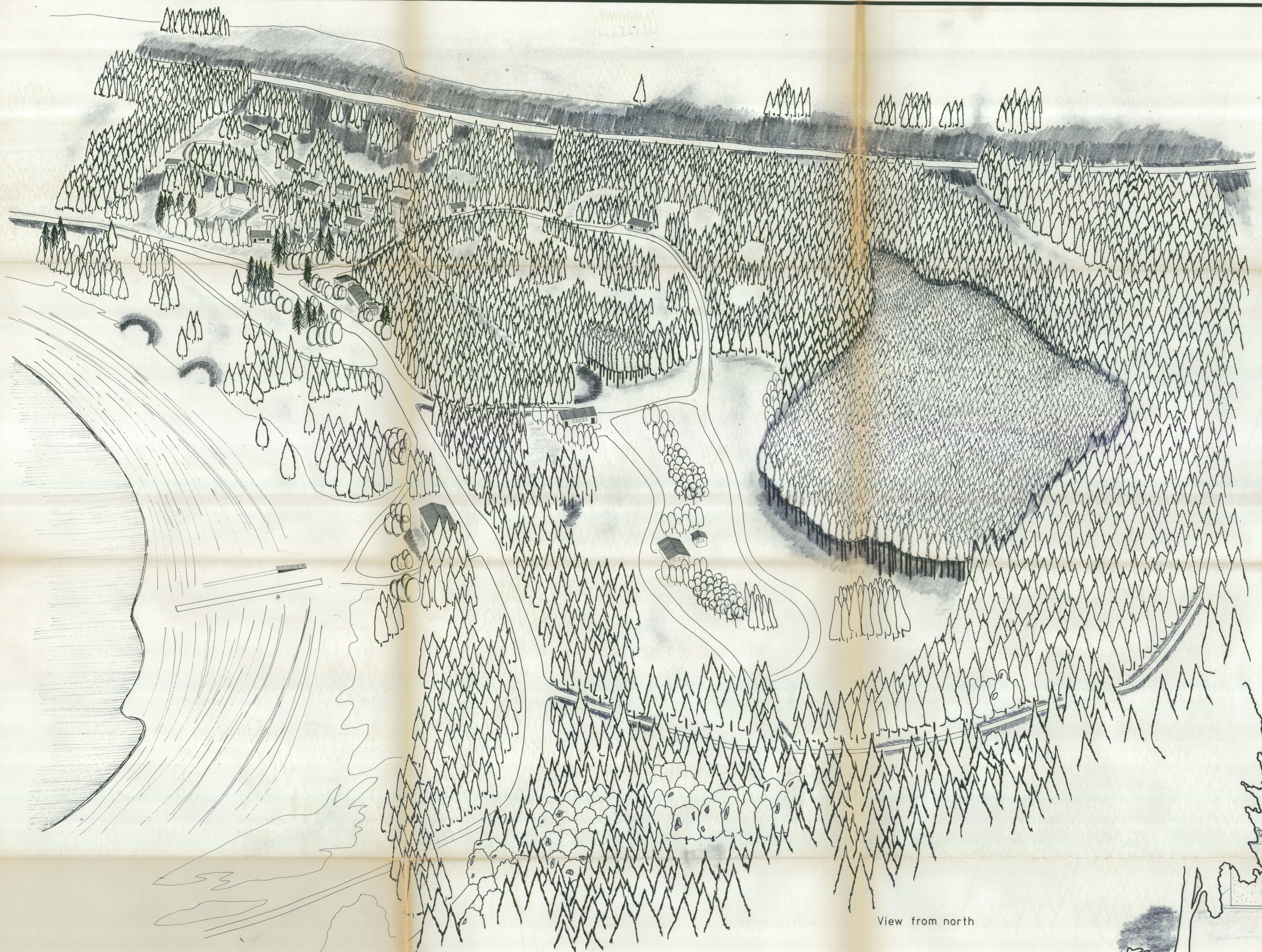


LEGEND

- SW. Drain
- SW. Sump
- Electric cable
- Light
- Surface drainage
- + Dominant evergreen trees
- Subdominant trees
- Shrub associations endemic to region
- O Nurse plantings of Larix decidua - 70
- Trees requiring these should also be trickle irrigated (+C. deodara)







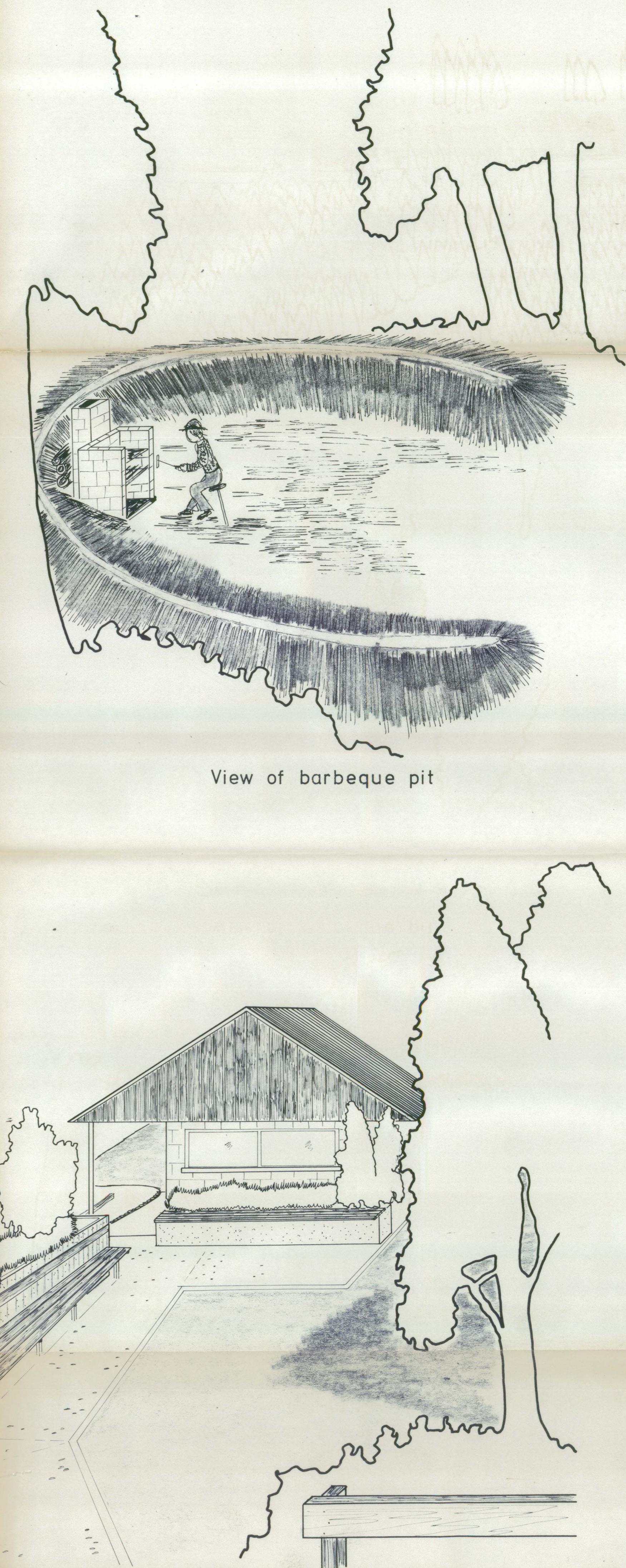
View from north

TEKAPO DOMAIN PERSPECTIVES

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Sheet 8



View of barbecue pit

View of camp shop