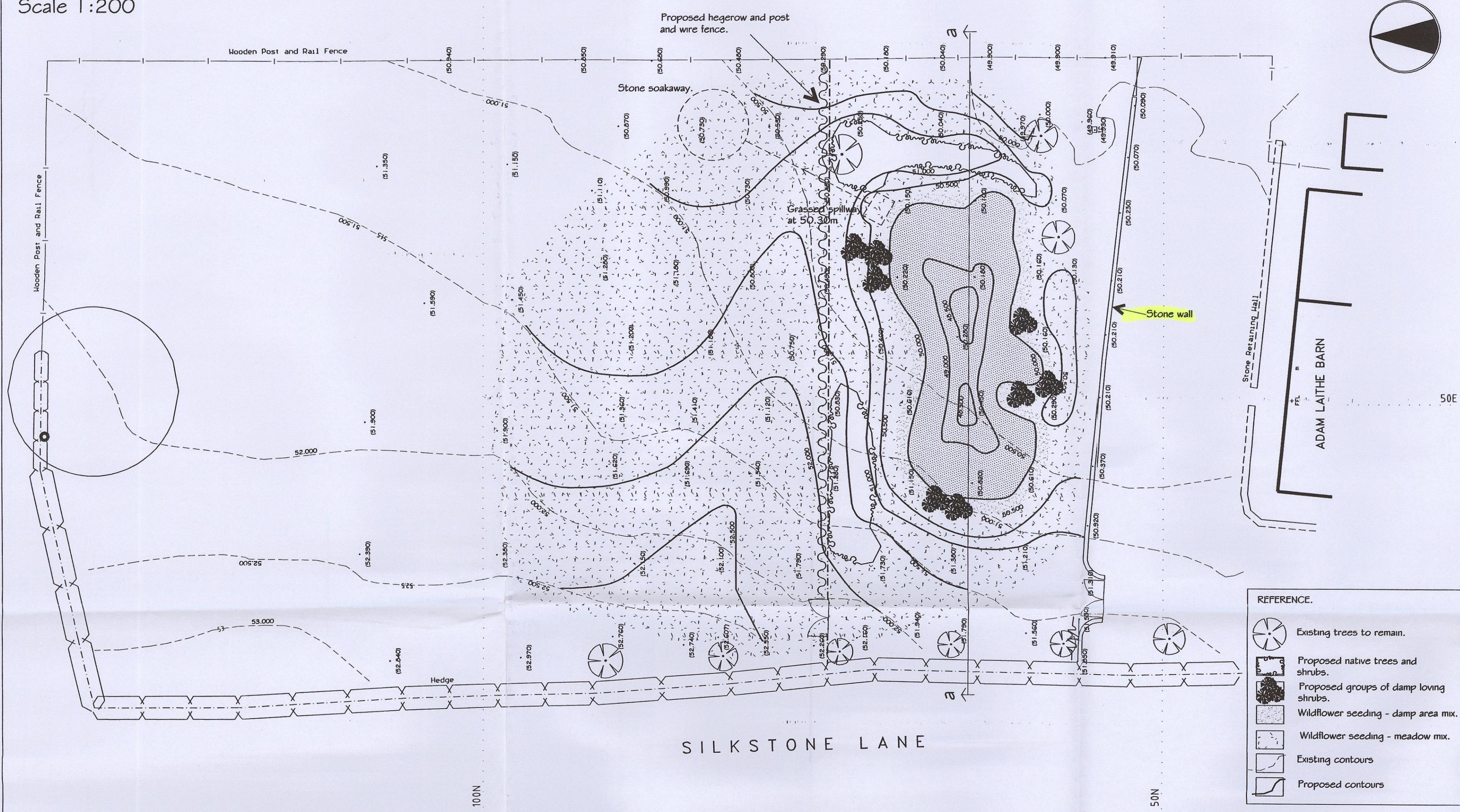
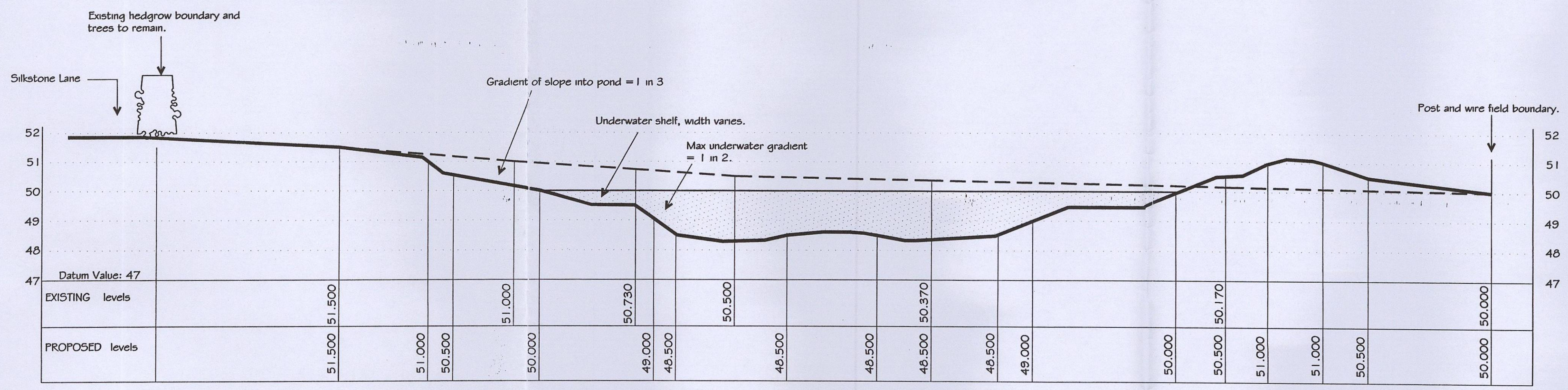


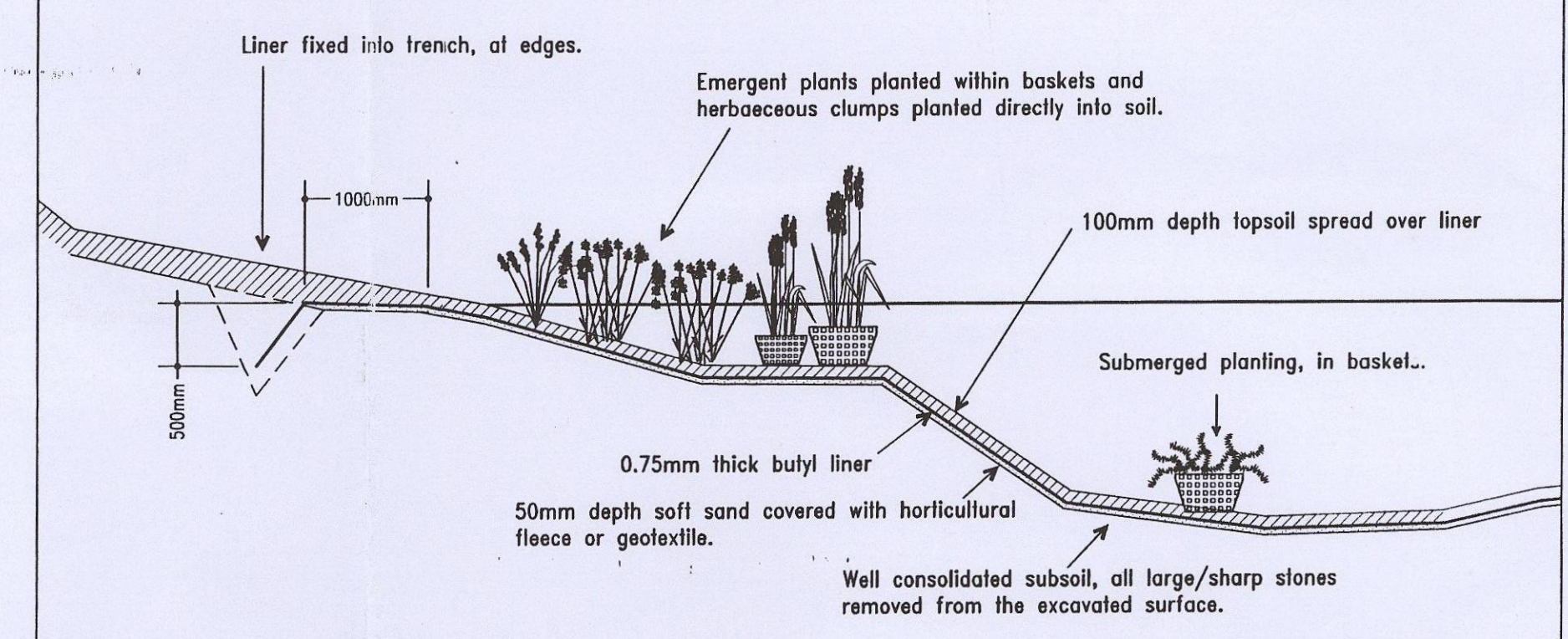
PLAN
Scale 1:200



SECTION AA
Scale 1:100



TYPICAL SECTION THROUGH EDGE.
Scale 1:20



NOTES.

OBJECTIVES
At present this is an area of agricultural grassland used either for grazing or for hay production. The field is bounded by an mature thorn hedgerow along Silkstone Lane and across the northern boundary with post and wire fencing on the other 2 boundaries. A mixed thorn hedgerow with trees has been recently planted along the southern field boundary. Out to the topography and hedgerows the site is well screened from Silkstone Lane.

The proposals aim to develop the lower third of the field for nature conservancy purposes and for keeping small numbers of ducks and hens. An increase in habitat diversity of this parcel of land will be of value to the overall landscape of relatively intensive agriculture as well as the site itself. A pond will be constructed to provide a wetland habitat along with small areas of woodland and wildflower meadow.

The upper area of the field, on completion of the works, will be retained as agricultural grassland.

TREES AND SHRUBS.
Small groups of native species planted to provide cover and shelter for birds and small mammals. Species to be taken from the following lists:
Trees: (Approx 20% of mix)
Acer campestre (Field maple)
Betula pubescens (Downy birch)
Fraxinus excelsior (Ash)
Malus sylvestris (Crab apple)
Quercus petraea (Oak)
Sorbus aucuparia (Rowan)

Shrubs: (Approx 80% of mix)
Corylus avellana (Hazelnut)
Crataegus monogyna (Hawthorn)
Cornus sanguinea (Dogwood)
Ilex aquifolium (Holly)
Prunus spinosa (Blackthorn)
Viburnum opulus (Wayfaring tree)

Shrubs around pond-side:
Salix caprea (goat willow)
Salix cinerea (grey willow)
Salix viminalis (osier)

A mixture of transplants, whips and feathered trees to be planted at an average 1.5m centres. All to be protected from rabbits. Field layer of grasses and wildflowers to be sown prior to planting.

GRASSLAND
Species-rich grassland to be created to provide cover for birds and mammals and to attract butterflies and insects. Following completion of earthworks and pond construction, area to be ploughed, then the seed bank of aggressive grasses to be reduced by repeated applications of herbicide on to new growth, throughout the summer. A wildflower mix to be sown in September. (BSH mix WF2, or similar). The grass will be cut annually in September, with all cuttings removed from site. A seed mix of damp loving species (BSH mix WF9 or similar) sown around the pond margins prior to planting of emergent and edge herbaceous plants.

POND
A pond will be excavated to provide a variety of wildlife habitats. The margins and edge profiles will be varied to create areas of gently sloping muddy or grass areas, reed areas and marshy areas. The base and sides will be irregular to increase the number of micro-habitats.

Earthmoving on-site will be the minimum required to create the pond. Soils will be stripped and stored prior to earthmoving, then re-spread over the new landform. Excavated material will be re-used on site to create a landform involving minor mounding to ensure that the water will be retained and to form some protection from disturbance for the wildlife. (Estimated volume of earthmoving=270m³).

The pond is proposed to be constructed using a liner, subject to groundwater investigations. It is proposed to fill the pond from a mains water supply. This supply, along with some surface run-off, will be used to top up levels throughout the summer months. Overflow provision will be by means of a french drain and soakaway.

FARMER DESIGN ASSOCIATES		Mr South		21 JAN 2014	
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SUSAN FARMER BA MALD MJ LANDSCAPE ARCHITECT		PROJECT		Wildlife pond development at Adam Laithes Barn Silkstone Lane Cawthorne.	
PROPOSALS		DRAWING TITLE		1:200/ 1:100	
SCALE		DATE		CTF	
DRAWN BY		DWG NO		R/450/1	