

Chartered Architectural Technologist  
Professional and Occupational Performance Records

## **Unit H (Performance)**

## Unit H (Performance)

As with any fresh bespoke design, it is essential that the design satisfies fully all that has been requested within the clients brief. Different clients have varying ranges of ability to understanding the information presented. It is often found that some clients have difficulty understanding two dimensional drawings and simply cannot visualize space. Throughout my post graduate experience this has been the case for many one-off domestic scale projects. On the other hand our services may have been commissioned by very experienced professional client who fully understands complex drawings.

For this reason alone I have developed a sympathetic understanding for when various presentation styles are required, for example three dimension drawings, walk throughs, photo realistic montages are all extremely useful when presenting a design to people who have difficulty visualizing space or proposed finishes etc. Such computer aided design techniques have proved invaluable when trying to articulate design proposals. Similar techniques are used to assist professional clients' i.e. Commercial Retailers / Private Developer etc. as a powerful tool when trying to sell the final product to speculative buyers.

*(Refer to Appendix 10.0 for examples of three & two dimensional images that was presented to a Clients & later displayed on site during the construction period to show the public / potential customers a vision of the proposal shop set to complete later during 2007).*

Another useful tool that I would use regularly when presenting my proposals is Microsoft PowerPoint. This software enables me to compile a presentation made up of a mixture of images and text in bullet point form *(Refer to Appendix 11.0 for an example of a Power Point Presentation)*. The advantage of this method of presentation is obtaining the audiences attention focused in one direction at a projected screen. With finger tip control over the selected slides it can become easier for me to present my proposals in a clear, concise and controlled professional manner.

Presentation boards are also often used to show proposed finishes, textures and the selected pallet of colours, another useful technique to assist clients with the visualization of the finished product.

I generally only present a scheme whenever I am confident that I have full understanding of the project together with the knowledge of technical difficulties and budgetary limitations associated with a proposal. In some circumstance a client may ask for a change to be made to a proposal during or after a presentation. When this happens I feel it necessary to be able to advise on perhaps hidden costs or design limitations / alternatives etc. thus having the ability to guide a client in the correct direction.

Over the past three years I have worked closely with the [redacted] (food retailers) in [redacted]. We are regularly asked to prepare scheme designs for new builds on green field sites *(appendix 12.0)*, together with more complex working drawings for live projects *(appendix 13.0)*. Working with this client provides many opportunities to present design proposals. More recently [redacted] engaged our services to design an alternative security roller shutter door detail. I identified that they experience high call out fees to repair damaged roller shutters at many of their sites. Part of the call out fee is contributed to the complex nature of gaining access to the roller shutter housing. I later redesigned the fixings of the roller shutter, soffit and signage to provide ease of access to the roller shutters for repair and present this proposal to [redacted]. The resultant design changes cost the company 13% more for the initial build, however projected savings on the repairs over the life span of the building of 80%. Other subtle changes to the roller shutter design saved a further 5% on call out charges. Technical drawings *(Appendix 14.0)* and an oral presentation was prepared and presented to the directors of the [redacted] company. This design change has been accepted by [redacted] and is now being implemented throughout Northern Ireland.

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## Summary

Evidence for Units H.1, H.2 & H.3 has been provided within the following attached appendixes:

- 10.0 *examples of three & two dimensional images*
- 11.0 *example of a Power Point Presentation*
- 12.0 *scheme designs*
- 13.0 *complex working drawings*
- 14.0 *technical drawings*

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## **Appendix 10.0**







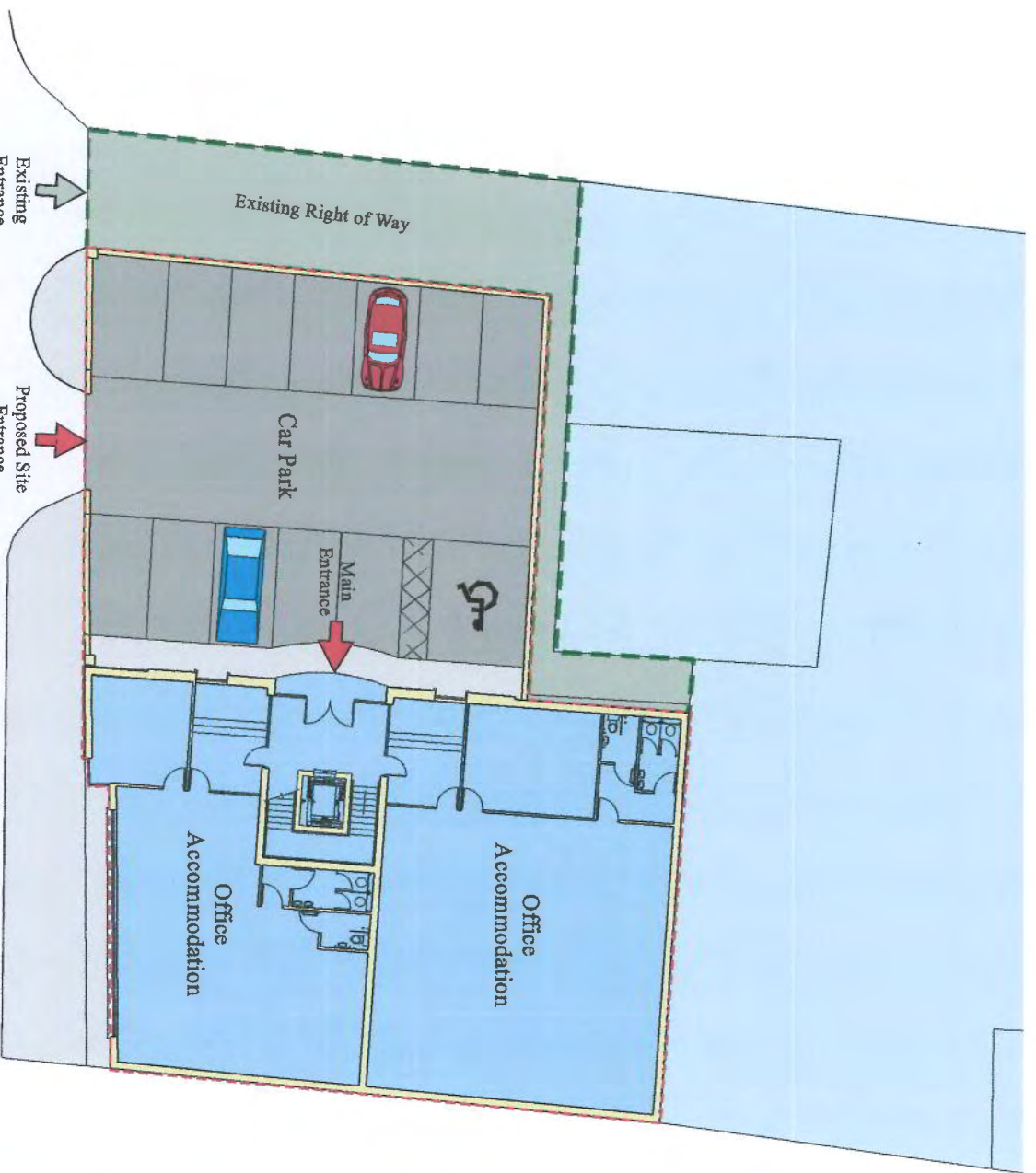








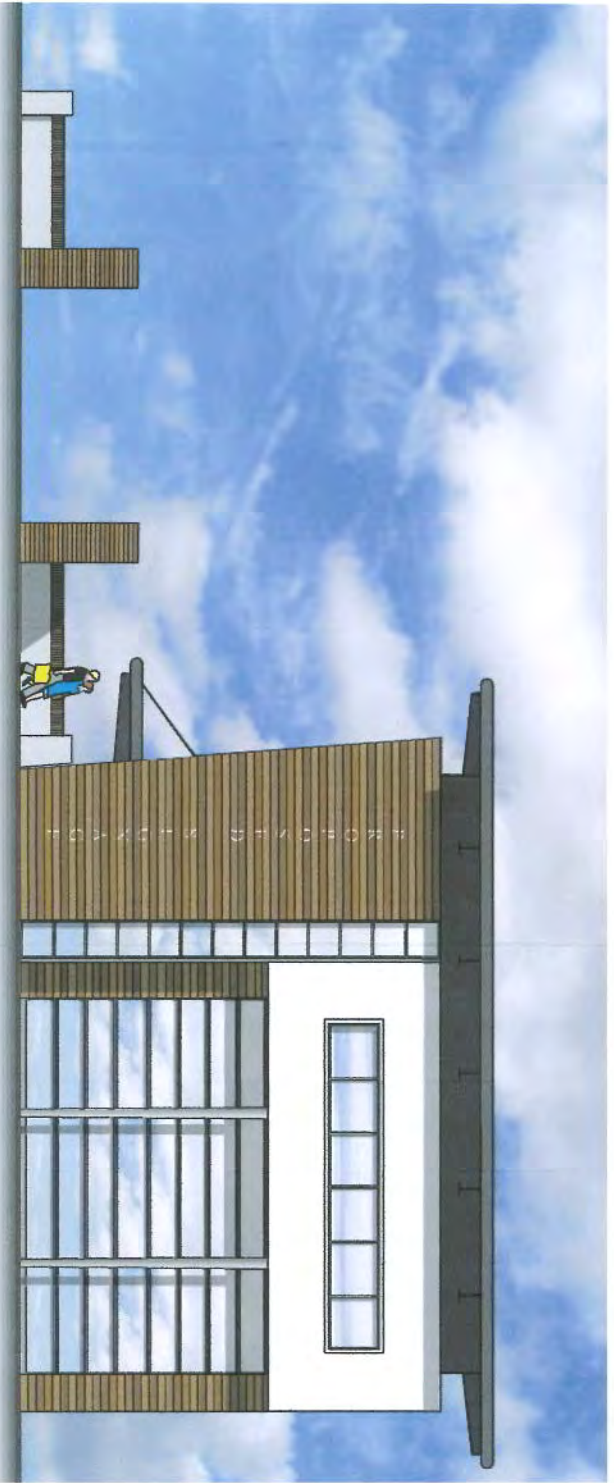




Proposed Site Plan



Proposed Side Elevation



Proposed Front Elevation

Proposed Office Accommodation - 2





Side Elevation - Proposed Office Accommodation



Front Elevation - Proposed Office Accommodation

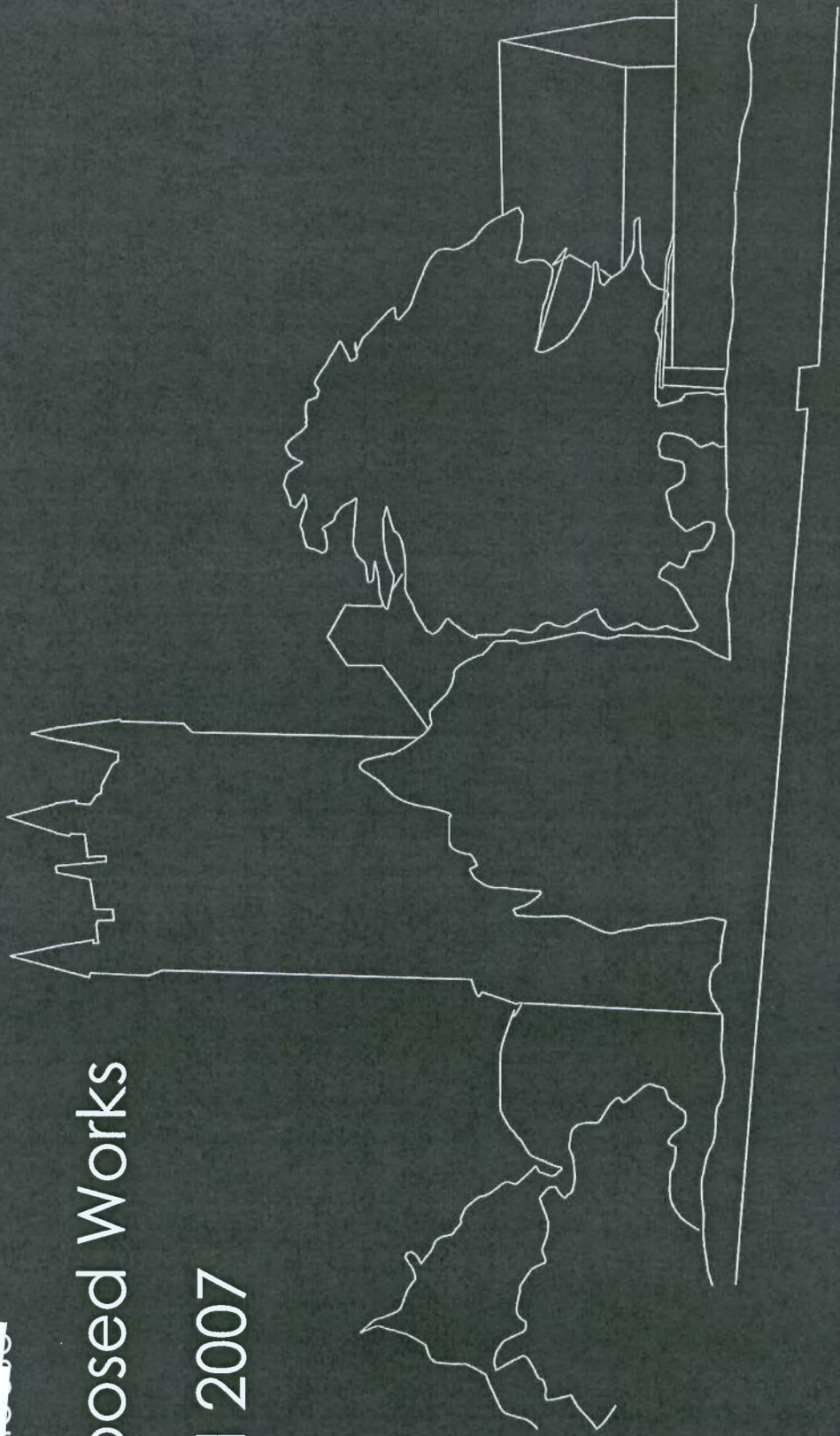
## Appendix 11.0



# St. Ignace Church

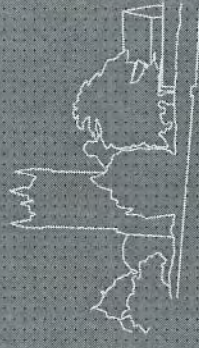
Proposed Works

April 2007

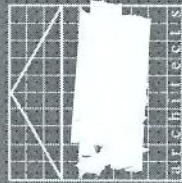


architects



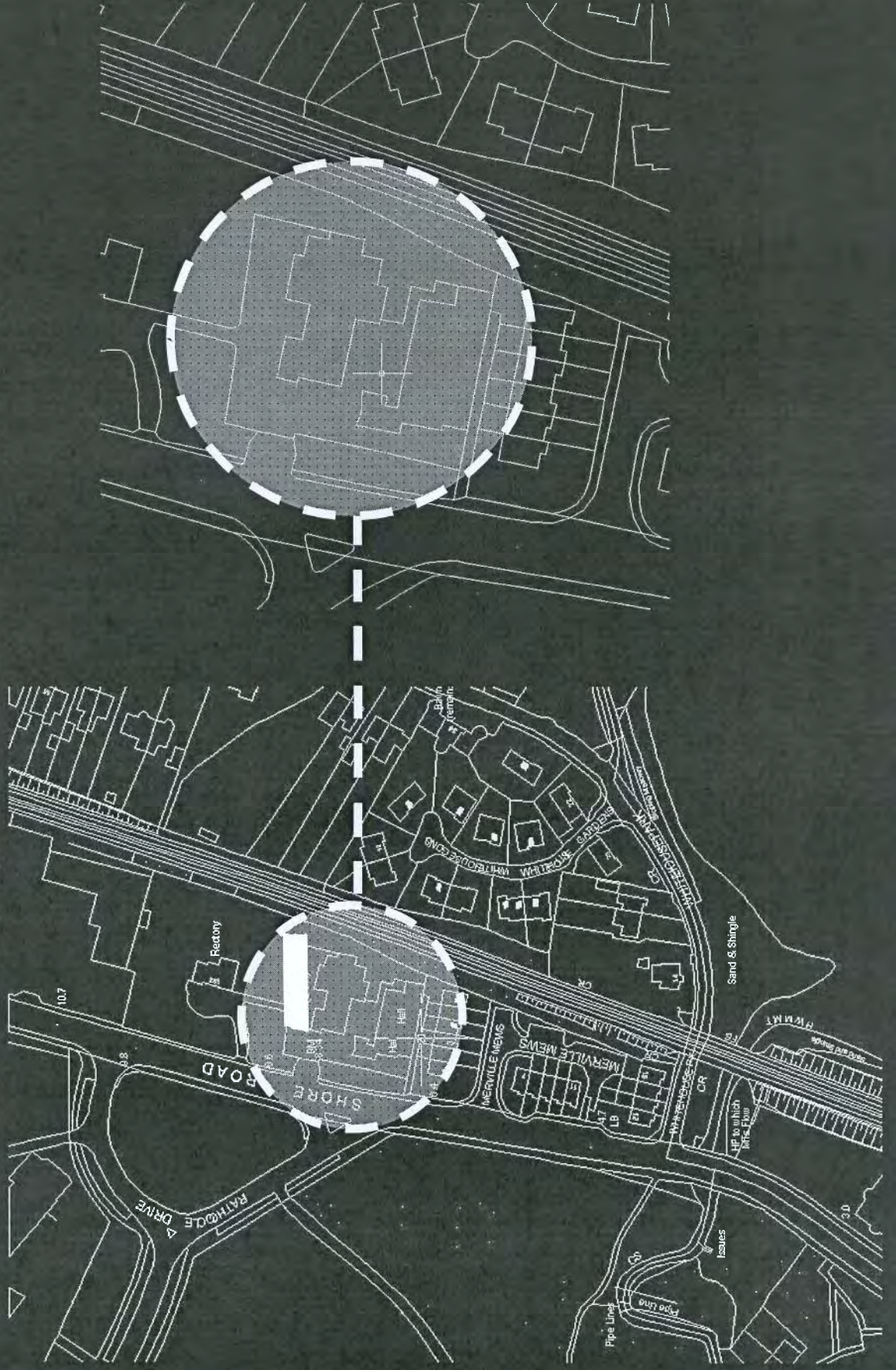


# Site Context





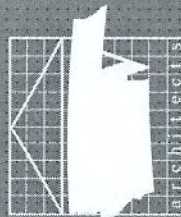
# Site Context







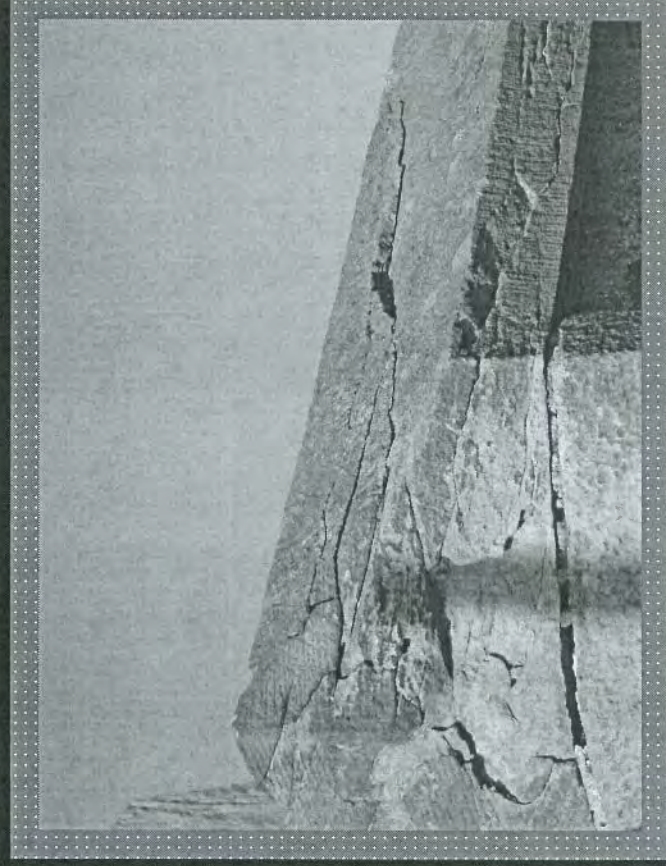
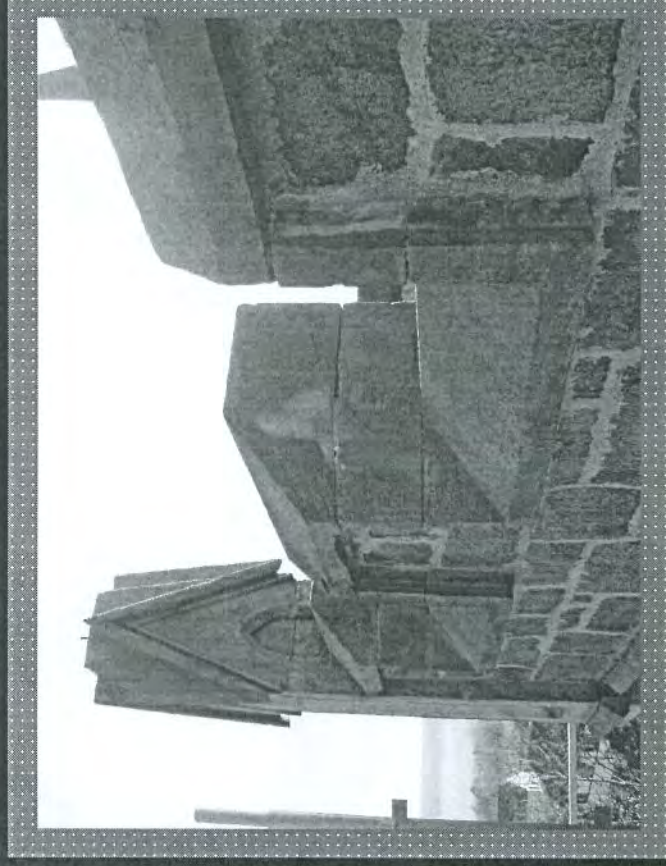
# Progress to Date





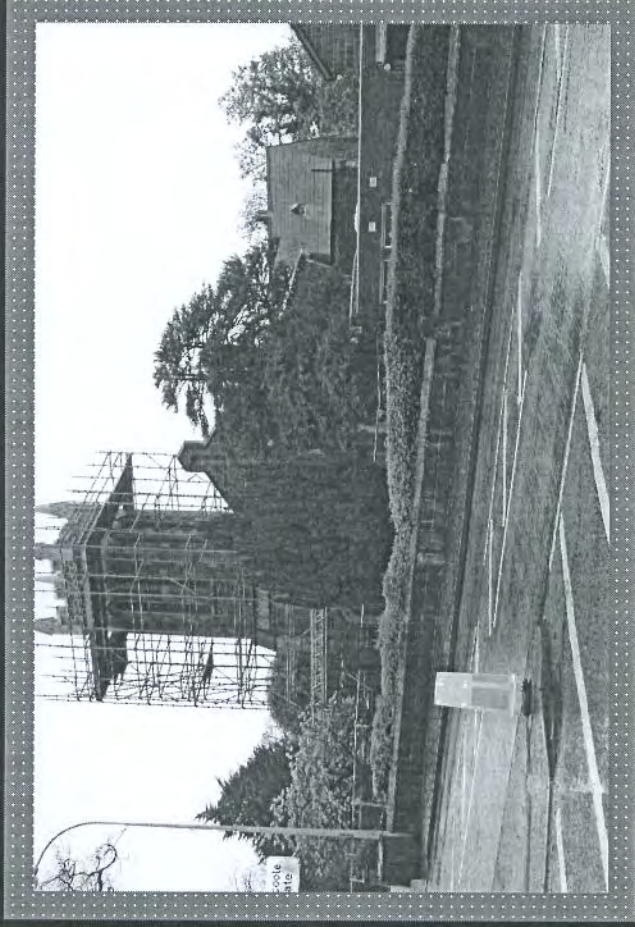
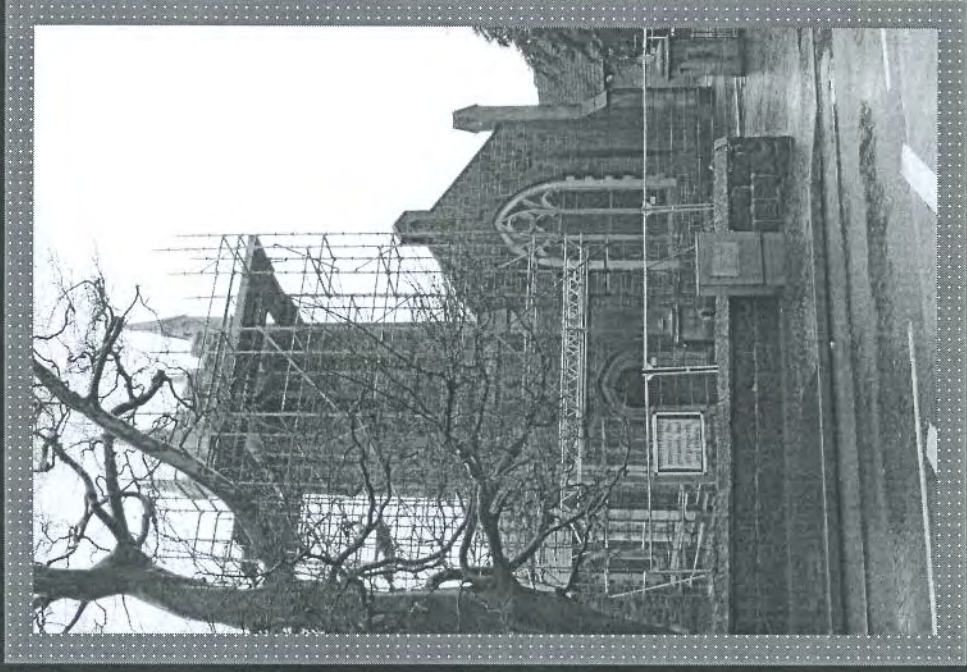
# Progress to Date

Tower stonework surveyed  
Report finding to Environmental &  
Heritage Service





# Stonework Repairs Undertaken





# Eaves Surveyed





# Report to Insurers

**Architects**

PROJECT NAME: [REDACTED]  
PROJECT NO: 02-14-  
DATE: Feb 04  
PAGE: 1 OF 2

TO: FIVE  
COMPANY: [REDACTED]  
FROM: [REDACTED]

FAX  
 PHONE  
 INSTRUCTION  
 MEMO

COPIES TO: \_\_\_\_\_  
 FILE  
ISSUES: 02/12/2002

ACTIONED  
 [REDACTED]

low level section of roof to North elevation



# Report to Insurers

**a r c h i t e c t s**

PROJECT NAME: [redacted]  
PROJECT NO.: [redacted]  
DATE: Feb 07  
PAGE: 1 of 3

TO FILE  
COMPANY: [redacted]  
FROM: W. Watt

FAX  
 PHONE  
 INSTRUCTION  
 MEMO

notes: 700x500  
rafters 100x50 @ 320 c/s  
battens 60x20 @ 320 c/s  
ripple full mortar battens  
rafters  
wall plate 170x75  
capping stone 300x100  
pic gutter  
gutter brackets

Section thro main roof at  
north elevation

ISSUES 02/12/2002

FILE  
 COPIES TO [redacted]  
 ACTIONED  
[redacted]



# Report to Insurers

139

**a r c h i t e c t s**

PROJECT NAME: \_\_\_\_\_  
PROJECT NO: \_\_\_\_\_  
DATE: 07.24.07  
PAGE 2 OF 3

TO: \_\_\_\_\_  
COMPANY: \_\_\_\_\_  
FROM: \_\_\_\_\_

FAX  
 PHONE  
 INSTRUCTION  
 MEMO

FILE  
ISSUES 02/12/2002

COPIES TO: \_\_\_\_\_  
 ACTIONED  
PMM

Solves 700 x 550  
rafters 100 x 50 @ 300 chrs  
battens 60 x 20 @ 330 pitch  
rubber fill & mortar between rafters  
F&S boarding  
well plate 100 x 70  
capping stone  
edge gutter 150 x 100  
gutter support stone  
150  
natural stone wall  
Section thru main roof at South elevation





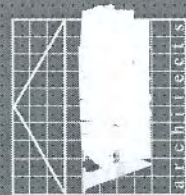
# Confirmation of Finding From Insurers



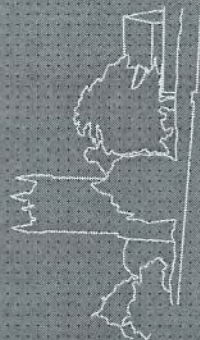


Application Made to  
Environmental & Heritage  
Service for funding





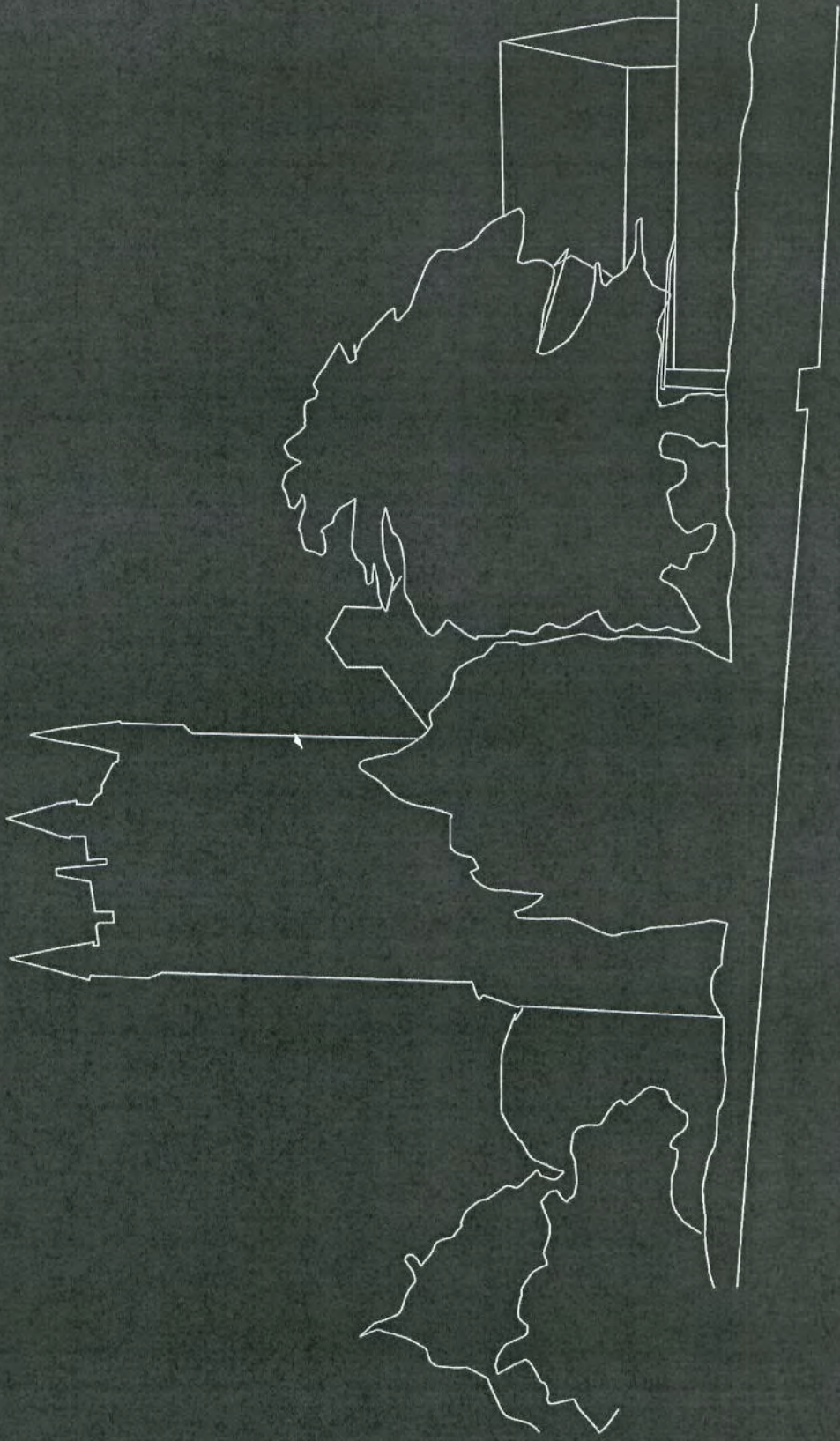
# Briefings & Meetings





# Briefing

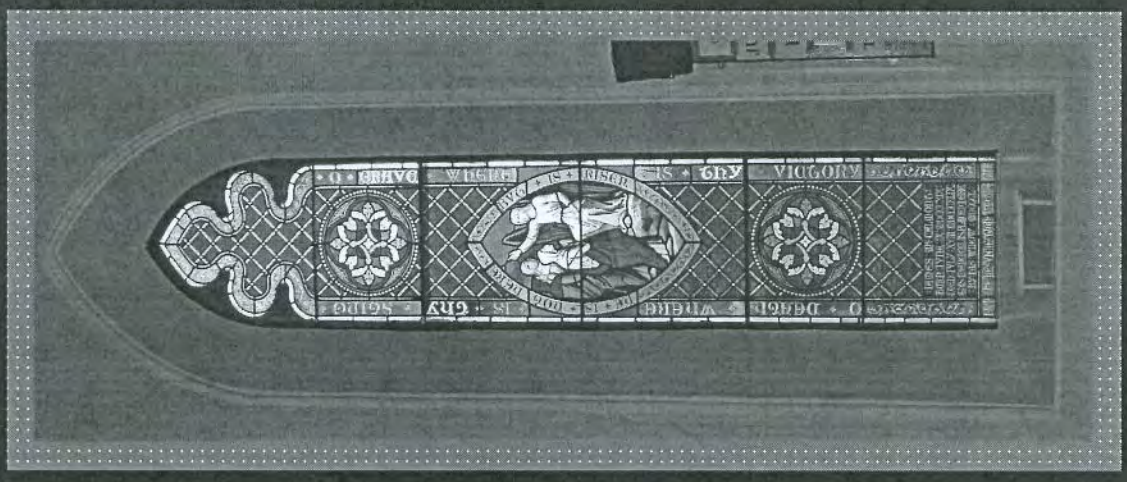
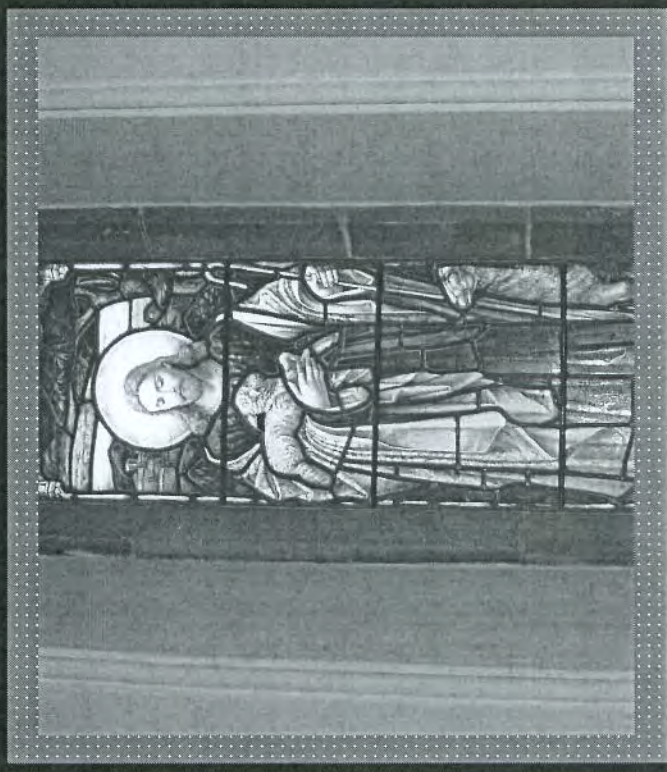
Briefing from Cordinator Reid Loss Adjustor and Rev [REDACTED]





# Meeting with ~~\_\_\_\_\_~~ (former \_\_\_\_\_)

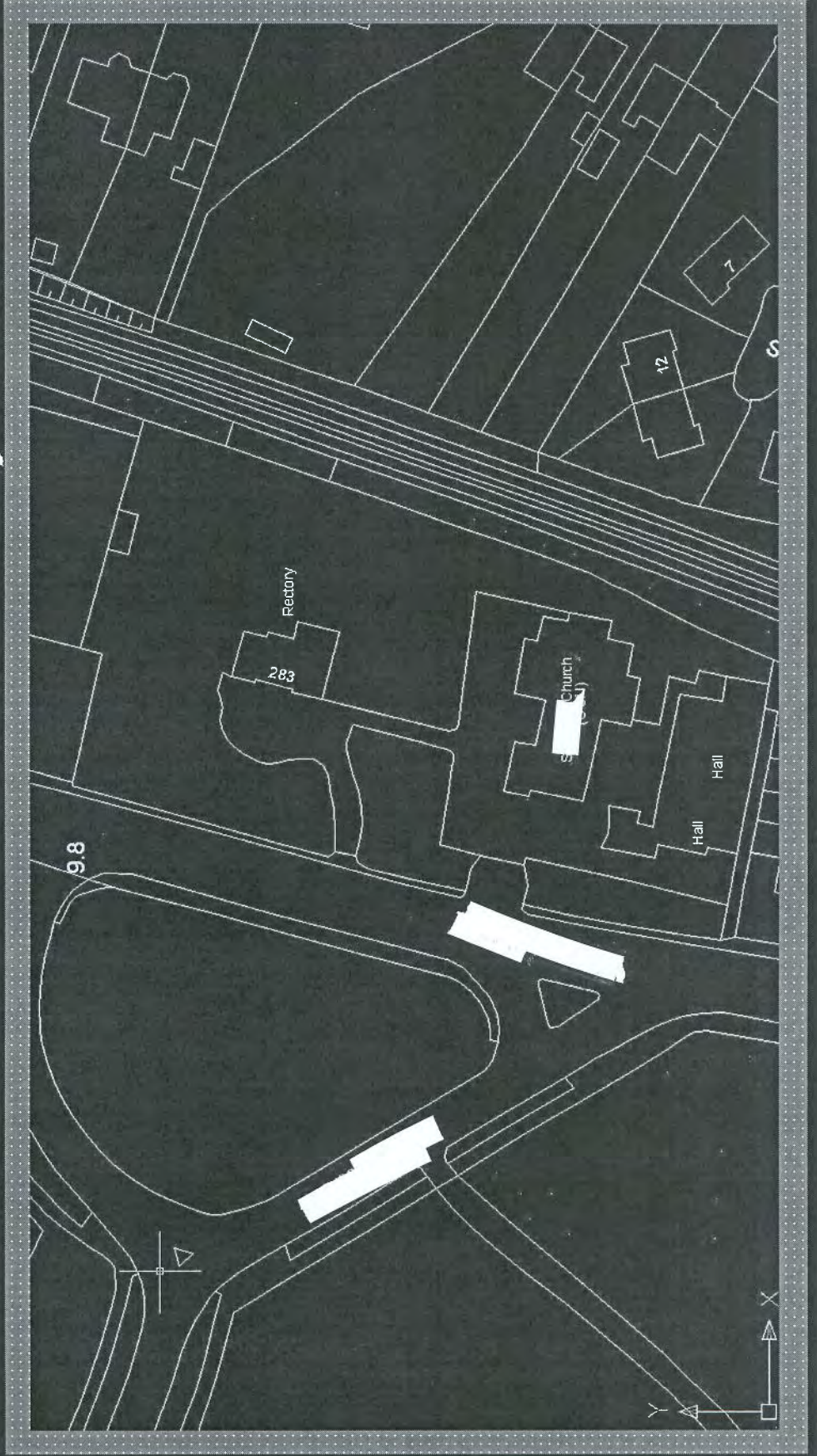
- Advice on stained glass photo.
- Advice on upgrading building to B+ Listing.





# Meeting with [redacted] [redacted] [redacted] Services

•Advice on future development.

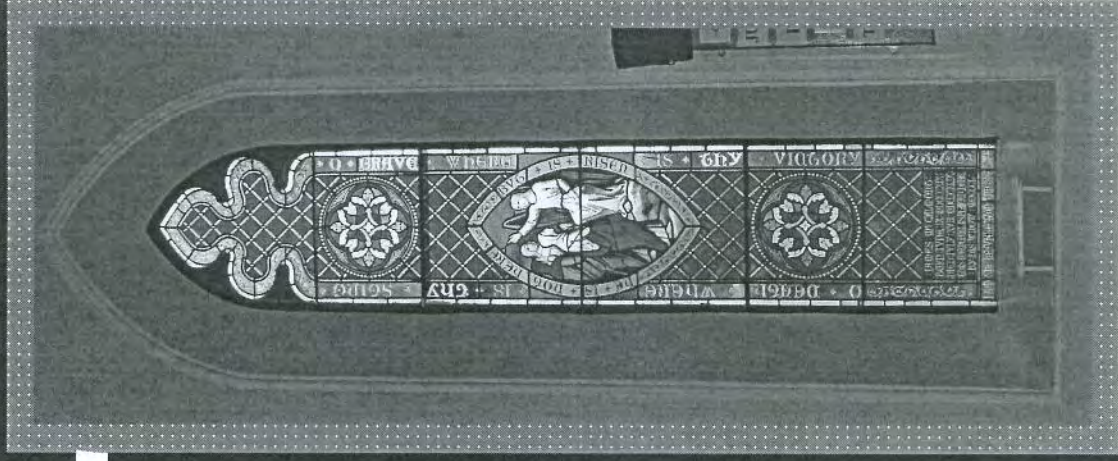
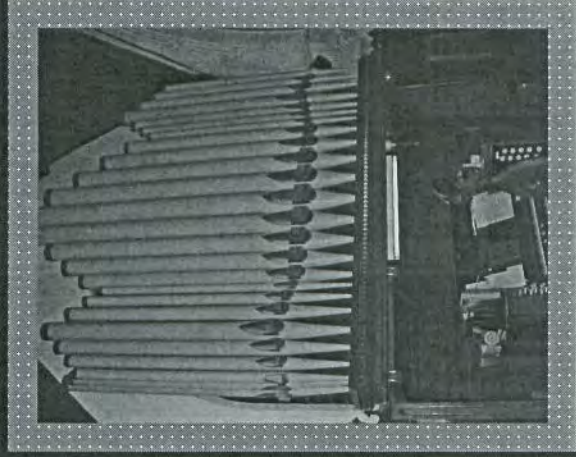
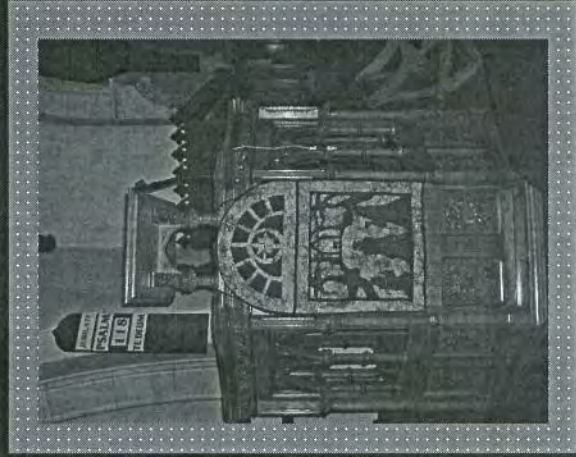




Meeting with ~~Chaplain~~

Meeting with ~~Dean~~

- Detailed inspection of Church.
- Emphasized significance of stained glass.





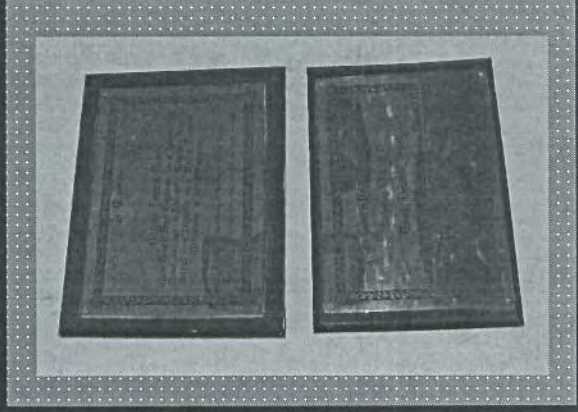
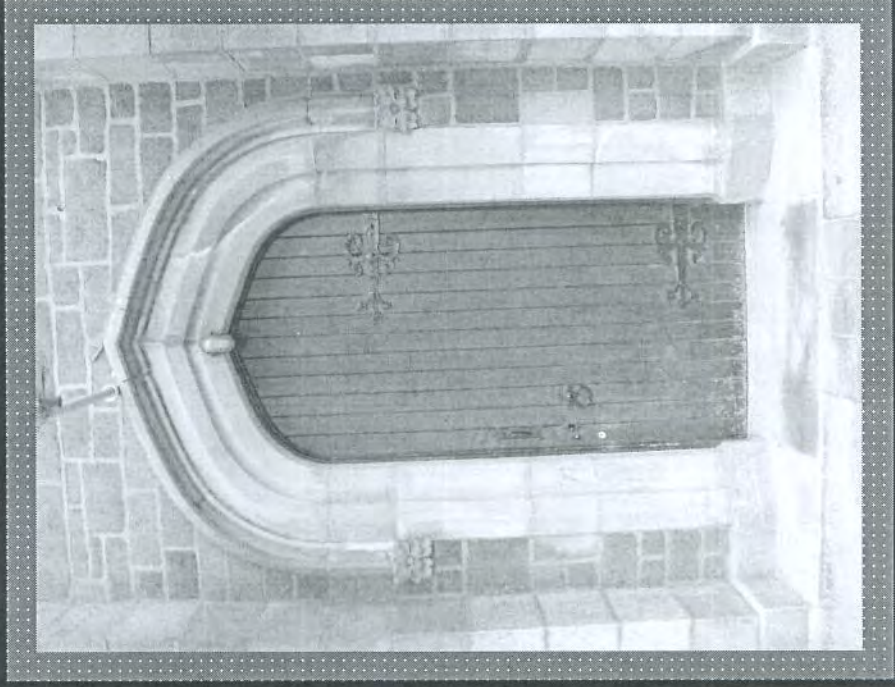
Meeting with ~~\_\_\_\_\_~~

(~~\_\_\_\_\_~~)

Meeting with ~~\_\_\_\_\_~~

(~~\_\_\_\_\_~~)

- Importance of original Architect.
- Community significance identified.



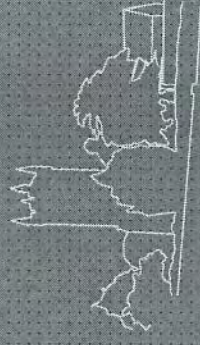


# Outcome

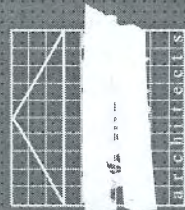
- Positive response – Environmental & Heritage Services recommend to upgrade building to B+
- Insurance works to be held in abeyance awaiting outcome of Environmental & Heritage Services deliberation on listing.







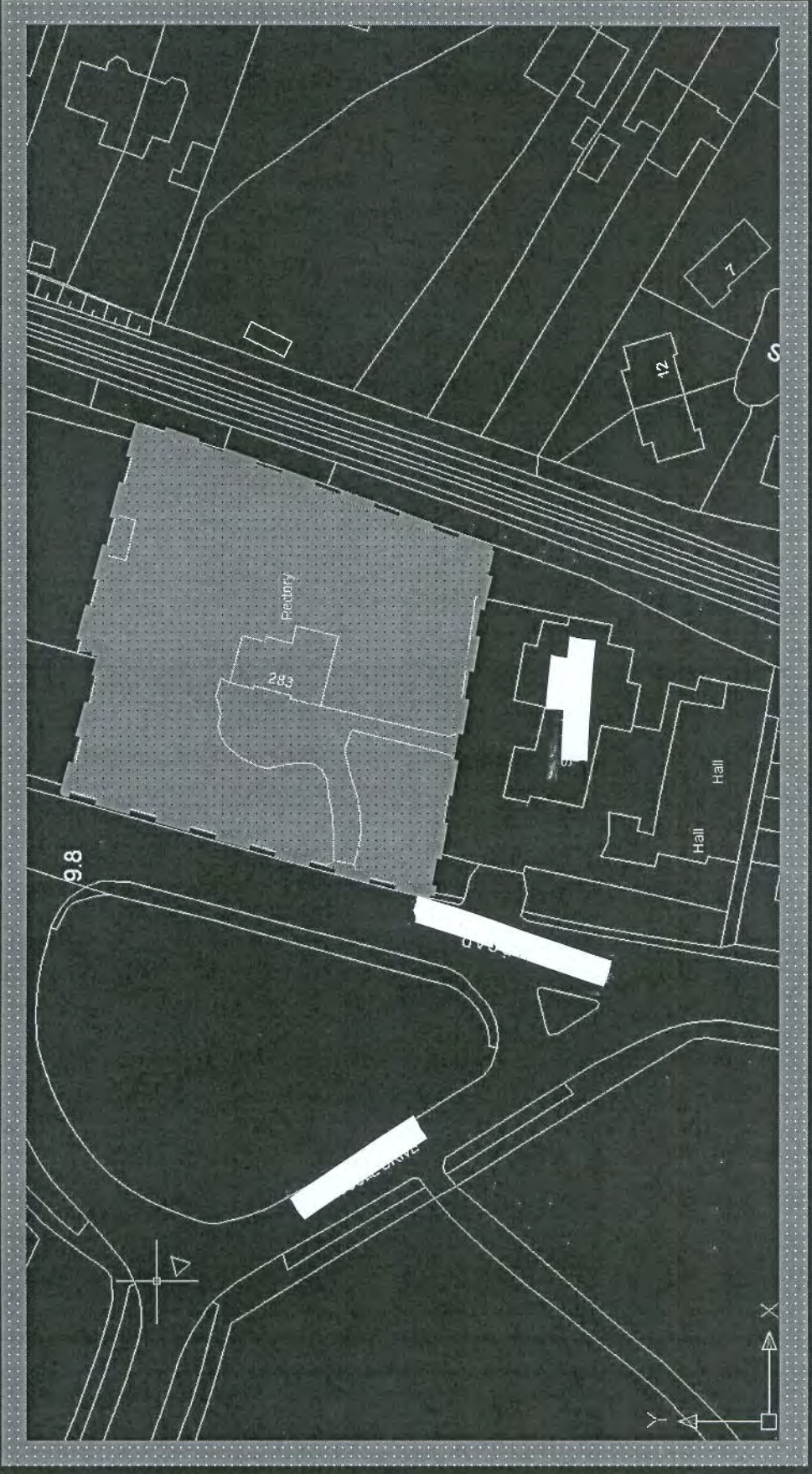
# Future Developments





# Future Development

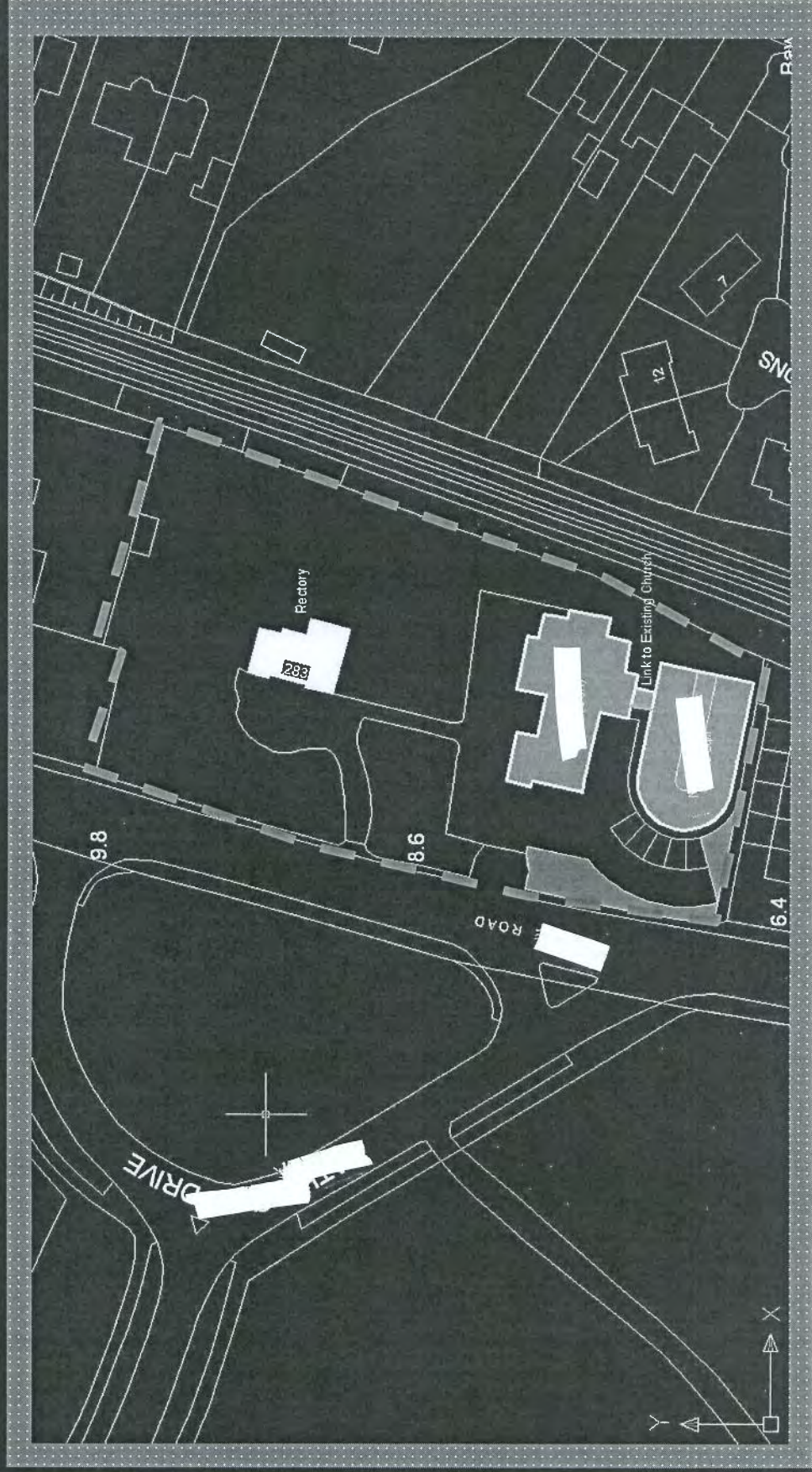
• Site for Housing





# Future Development

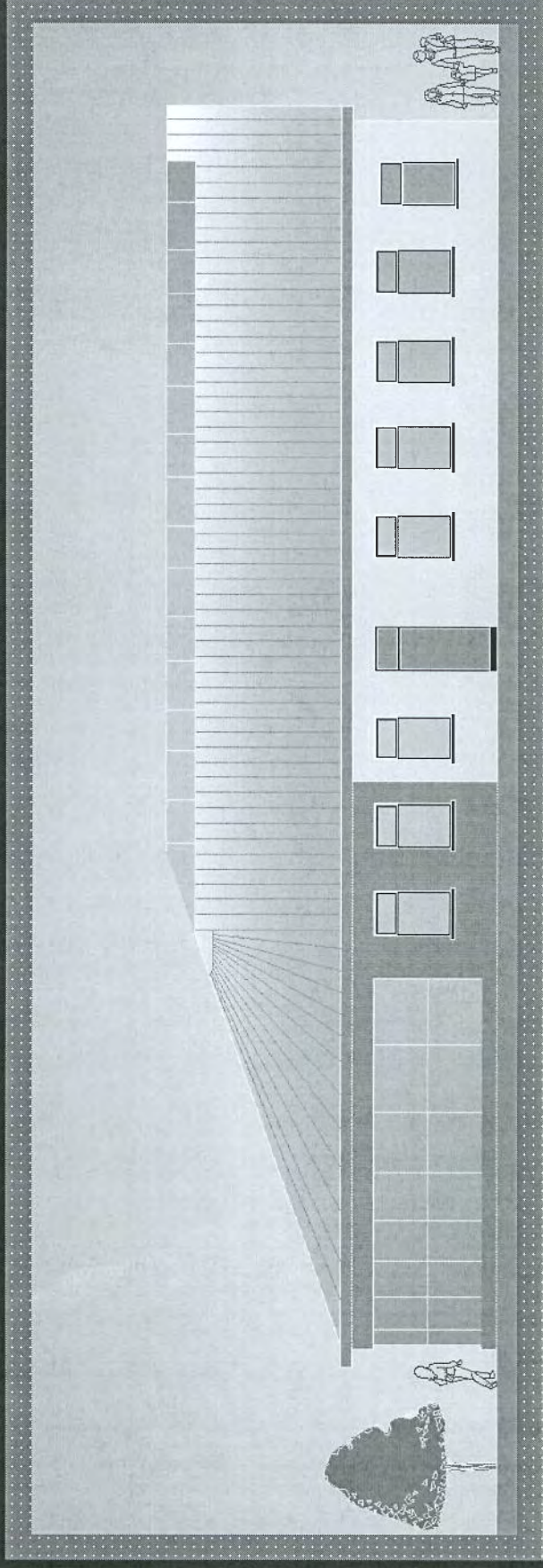
- Proposed redevelopment of Church halls





# Future Development

- Proposed redevelopment of Church halls



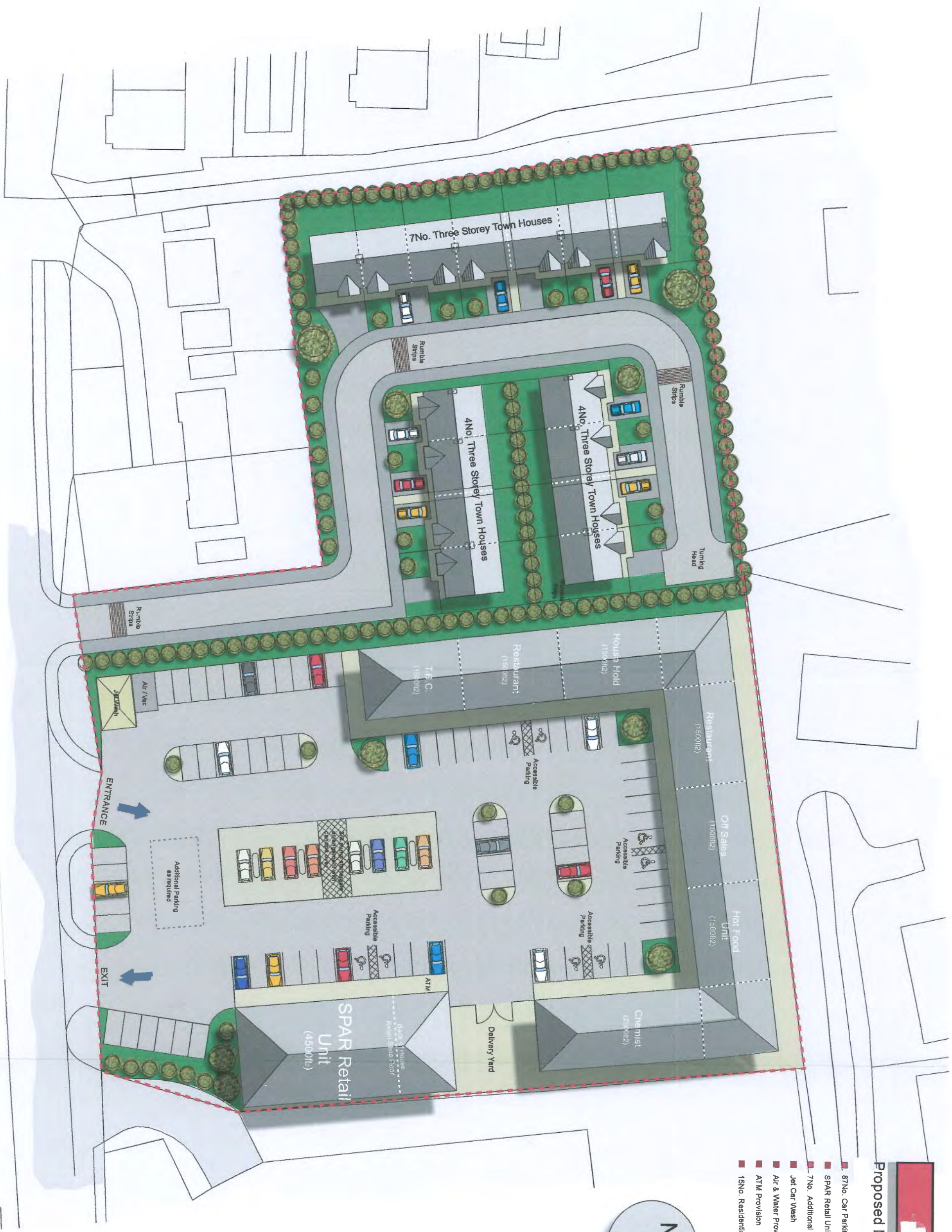
## Appendix 12.0





**Proposed Development**

- 87No. Car Parking Space
- SPAR Retail Unit 4500ft<sup>2</sup>
- 7No. Additional Units
- Jet Car Wash
- Air & Water Provision
- ATM Provision
- 18No. Residential Dwellings



**Architects**

Project Name: e  
 Drawing No: 06-99-14  
 Client: 1  
 Drawing Title: Proposed Site Plan  
 Drawn By: AL  
 Checked By: AL  
 Scale: N.T.S  
 Date: Oct 2006

Tel: (01) 234 5678  
 Fax: (01) 234 5678







**Proposed Development**

- 29No. Car Parking Space
- SPAR Retail Unit 4500ft<sup>2</sup>
- 1No. 1200ft<sup>2</sup> Unit
- 1No. 900ft<sup>2</sup> Unit
- ATM Provision



	Project Name: F	Drawn By: AL
	Drawing No: 05-39-13	Checked By: WW
	Client:	Scale: N.T.S
	Drawing Title: Proposed Site Plan	
		Date: Oct 2006

Tel ( )  
Fax ( )

**a r c h i t e c t s**



# Proposed Development

- 85No. Car Parking Space
  - Retail Unit 4000ft<sup>2</sup>
  - 5No. 780ft<sup>2</sup> Apartments
- or
- 2No. 1900ft<sup>2</sup> Offices



Project Name:  
 Drawn By: AL  
 Checked By: ww  
 Scale: N.T.S  
 Date: Feb 2006

Drawing No: 05-39-07  
 Drawing Title: Proposed Site Plan

a r c h i t e c t s







# Proposed Development

- 15No. Car Parking Space
- SPAR Retail Unit 3600ft<sup>2</sup>
- 1No. 750ft<sup>2</sup> Retail Unit
- ATM Provision



	<b>Project Name:</b> -ilient	<b>Drawn By:</b> AL
	<b>Drawing No:</b> 05-39-02a	<b>Checked By:</b> ww
	<b>Drawing Title:</b> Proposed Site Plan	<b>Scale:</b> N.T.S
		<b>Date:</b> Nov 2005

a r c h i t e c t s





# Proposed Development

- SPAR Retail Unit 4500ft<sup>2</sup>
- 2No. Semi Detached Dwellings
- 2No. First Floor Apartments above SPAR Unit



architects

Project Name:  
 Drawing No: 05-39-10  
 Client:  
 Drawing Title: Proposed Site Plan

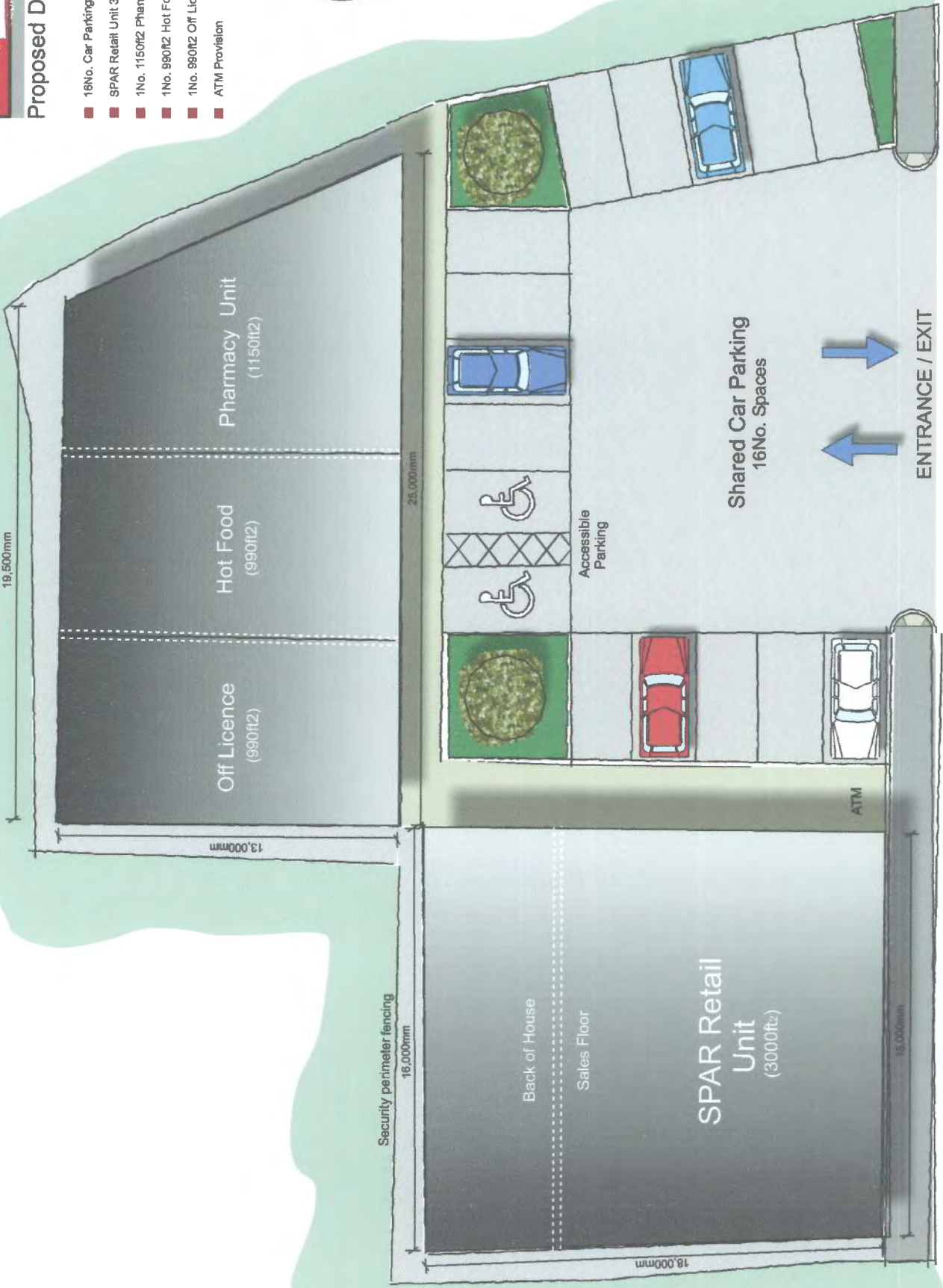
Drawn By: AL  
 Checked By: ww  
 Scale: N.T.S  
 Date: April 2006





**Proposed Development**

- 16No. Car Parking Space
- SPAR Retail Unit, 3000ft<sup>2</sup>
- 1No. 1150ft<sup>2</sup> Pharmacy
- 1No. 990ft<sup>2</sup> Hot Food Unit
- 1No. 990ft<sup>2</sup> Off Licence
- ATM Provision



Project Name:   
 Drawing No: 05-38-03   
 Drawn By: AL   
 Checked By: vw   
 Scale: N.T.S   
 Date: Aug 2005

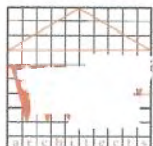
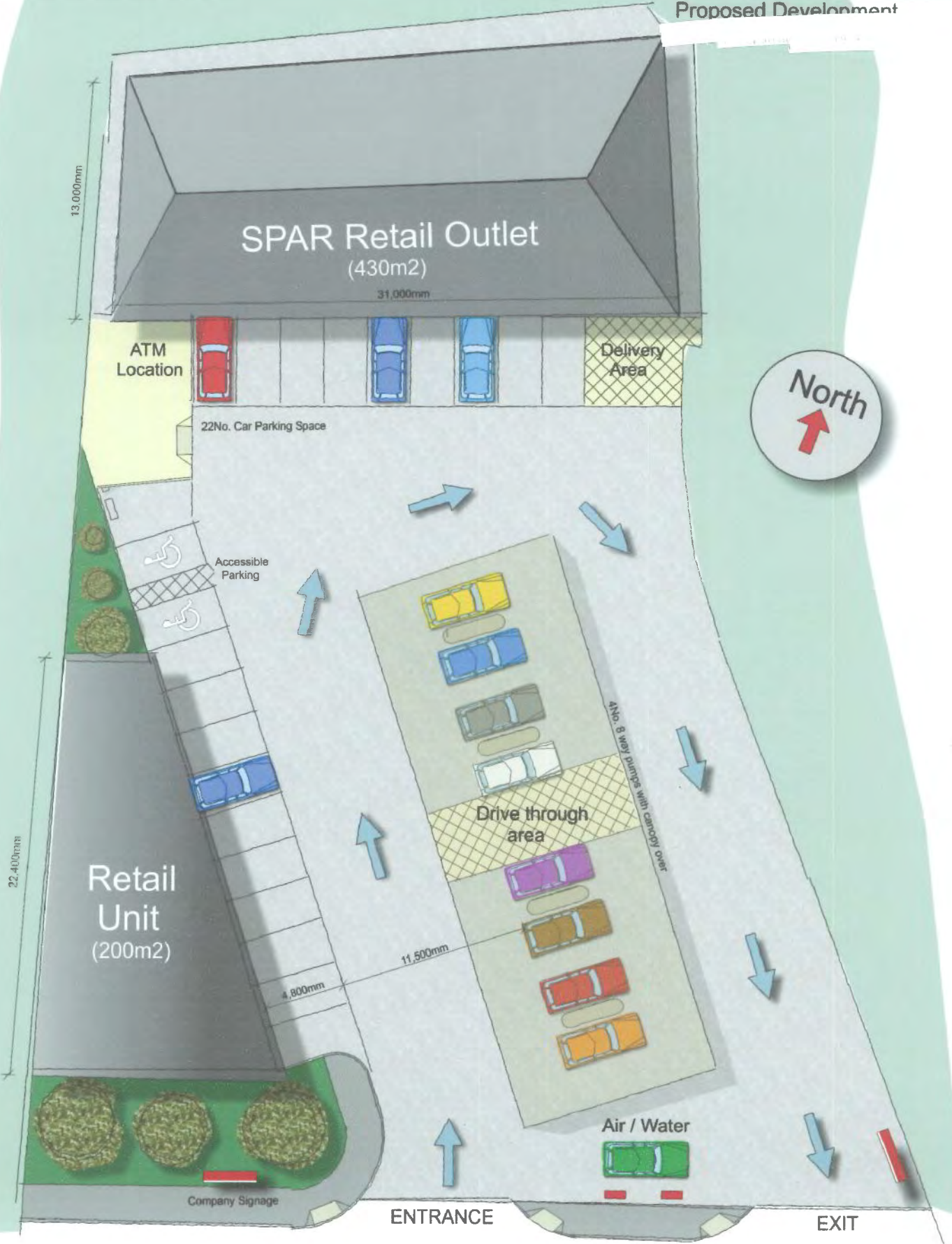




# Option One



Proposed Development



architects

Project Name

Drawing No: 05-39-01

Client

Drawing Title: Proposed Site Plan

Drawn By: AL

Checked By: ww

Scale: N.T.S

Date: Aug 2005

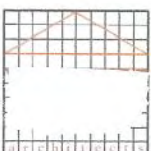


# Option Two



## Proposed Development

- 41No. Car Parking Space
- SPAR Retail Unit 4500ft<sup>2</sup>
- 2No. 1400R2 Retail Units
- 2No. 700ft<sup>2</sup> Hot Food Units
- Jet Car Wash
- Air & Water Provision
- ATM Provision



architects

Tel  
Fax

Project Name:  
Drawing No: 05-39-01  
Client:  
Drawing Title: Proposed Site Plan

Drawn By: AL  
Checked By: ww  
Scale: N.T.S  
Date: Aug 2005



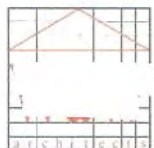


**Proposed Development**

- 66No. Car Parking Space
- SPAR Retail Unit 4500ft<sup>2</sup>
- 5No. 1400ft<sup>2</sup> Retail Units
- Jet Car Wash
- Air & Water Provision
- ATM Provision



ROAD



architects

Project Name:

Drawn By: AL

Drawing No: 05-39-06

Checked By: ww

Client:

Scale: N.T.S

Drawing Title: Proposed Site Plan

Date: Sep 2005





### Proposed Development

- 55No. Car Parking Space
- SPAR Retail Unit 4500ft<sup>2</sup>
- 2No. 1400ft<sup>2</sup> Retail Units
- 2No. 700ft<sup>2</sup> Hot Food Units
- Jet Car Wash
- Air & Water Provision
- ATM Provision



Project Name: \_\_\_\_\_  
 Drawing No: 05-39-05  
 Client: \_\_\_\_\_  
 Drawn By: AL  
 Checked By: ww  
 Scale: N.T.S  
 Date: Sep 2005

**Architects**  
 Tel: \_\_\_\_\_  
 Fax: \_\_\_\_\_

Drawing Title: Proposed Site Plan

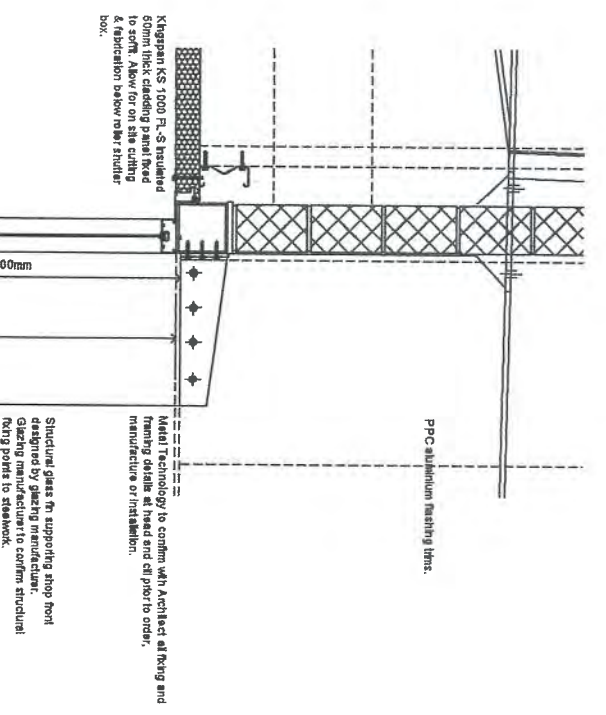


## **Appendix 13.0**

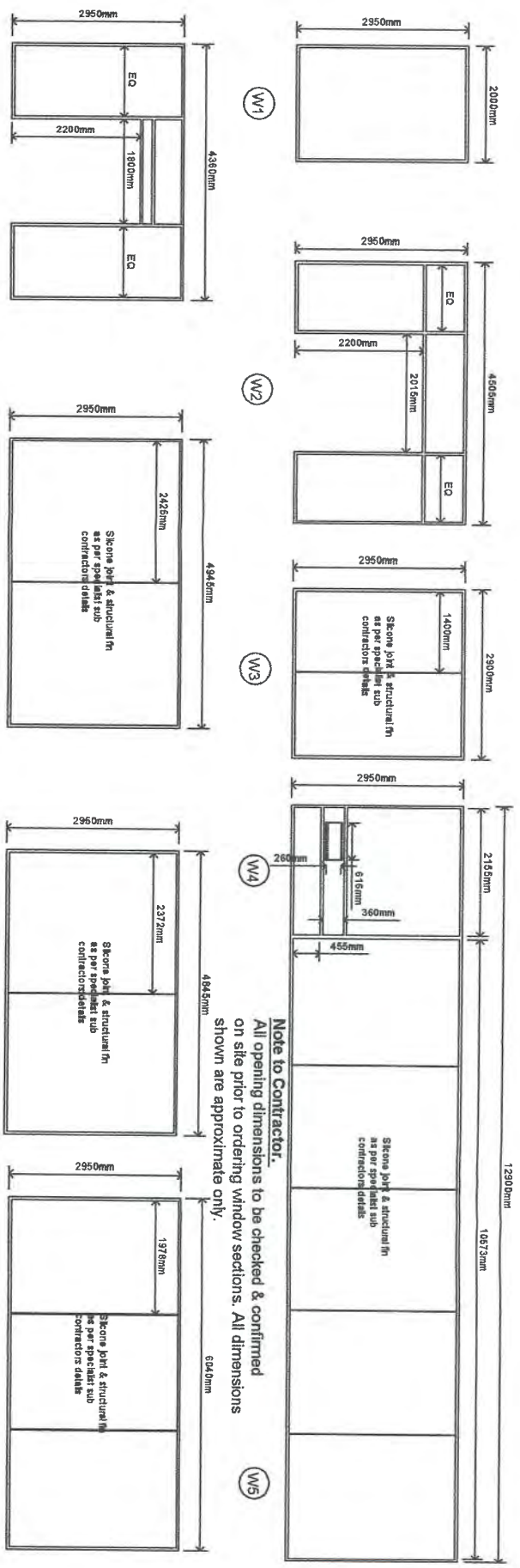
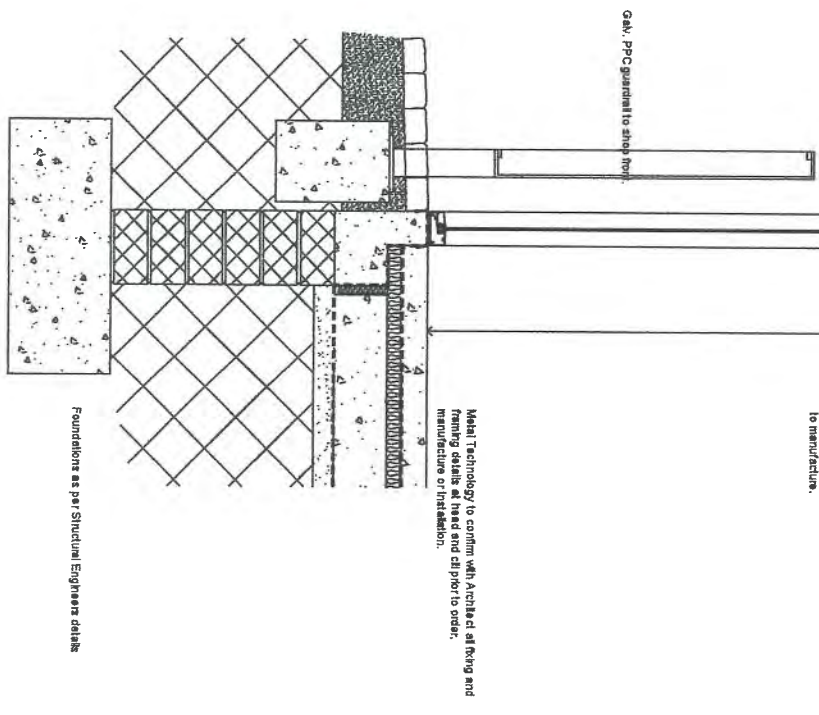








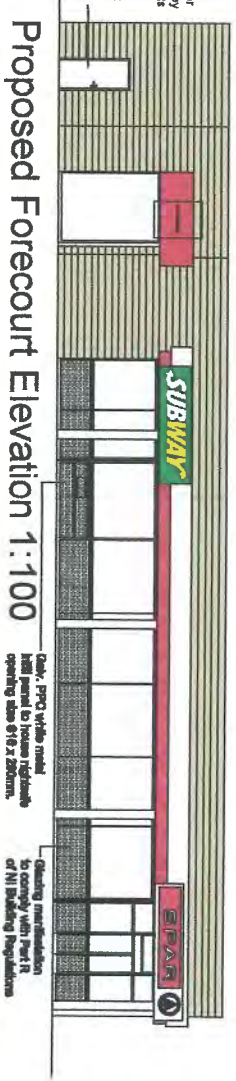
**Metal Technology Furan Glass System 9**  
 All profiles to be extracted from aluminium alloy with thermal break sections manufactured from glass reinforced nylon sections.  
 Polyester powder coated to BS6438 Colour from the RAL/BS colour range.  
 Glazing to be single glazed 10mm laminated safety glass units.  
 All dimensions to be confirmed on site prior to order and installation.  
 Wind load calculations should be confirmed prior to manufacture.



**Proposed Glazing Elevations 1:50**

**FRAME & GLAZING SPECIFICATION**  
 Metal Technology Furan Glass System 9  
 All profiles to be extracted from aluminium alloy with thermal break sections manufactured from glass reinforced nylon sections.  
 Polyester powder coated to BS6438 Colour from the RAL/BS colour range.  
 Glazing to be single glazed 10mm laminated safety glass units.  
 All dimensions to be confirmed on site prior to order and installation.  
 Wind load calculations should be confirmed prior to manufacture.

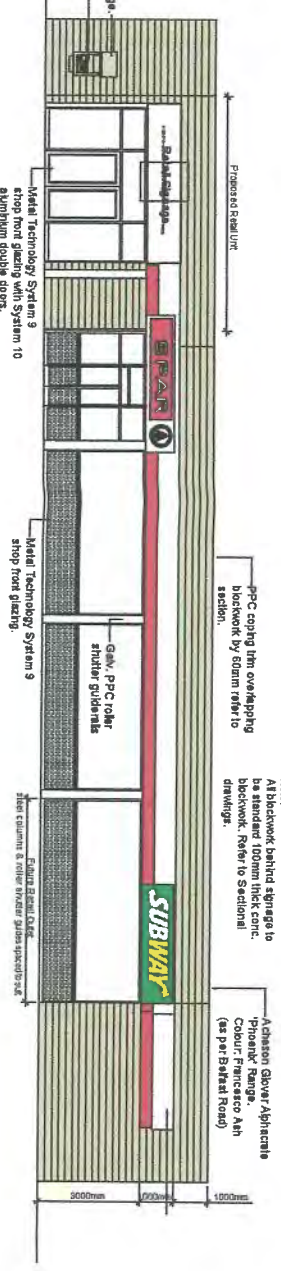
**Proposed Rear Elevation 1:100**



**Proposed Forecourt Elevation 1:100**



**Proposed Side Elevation 1:100**



**Proposed Road Elevation 1:100**

**GENERAL NOTES**  
 All work to be carried out in accordance with the Building Regulations (1999) and the relevant standards. All work is to be to the total satisfaction of the local Building Control office.  
 The Contractor shall submit at the necessary stages the completed Building Control forms and do so in good time to allow for the progress of the works on site.  
 Workmanship and materials are to be the best available and to comply with the relevant British Standards or codes of practice. All materials to be used as alternatives to specified items are to be approved by both Client and Building Control prior to being incorporated into the works.  
 All structural timbers to be S.C.A. grade in accordance with BS 5268: pt 2: 1984, all steelwork to be equal with preservative against woodworm and fungal attack.

**ARCHITECTS**

**Proposed Elevations**

scale data drawn checked

06-07 AL WW

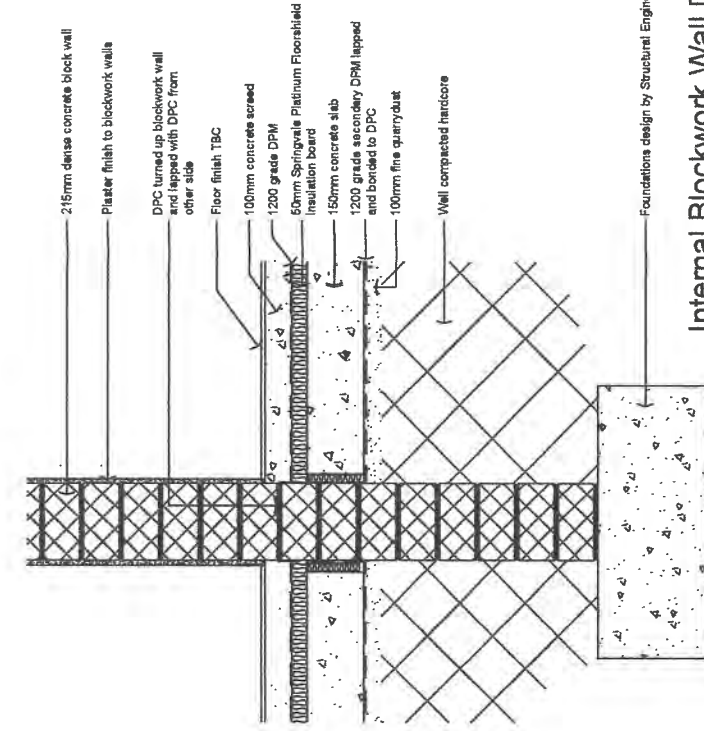
N.T.S

0702-03

**Glazing Detail 1:10**

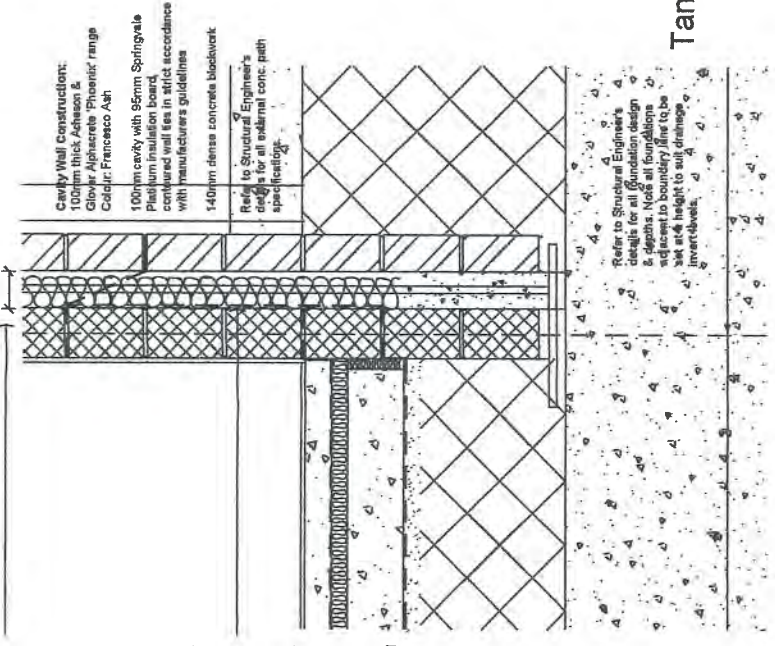


Note:  
105mm cavity to suit  
85mm Springvale Full insulation board.



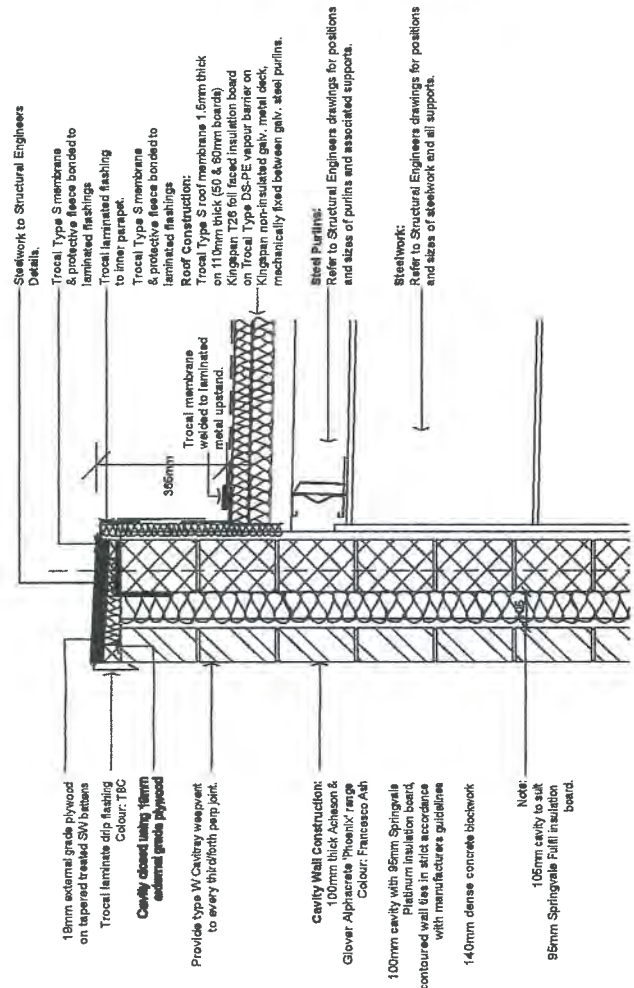
Internal Blockwork Wall Detail 1:10

Tanking Detail 1:10



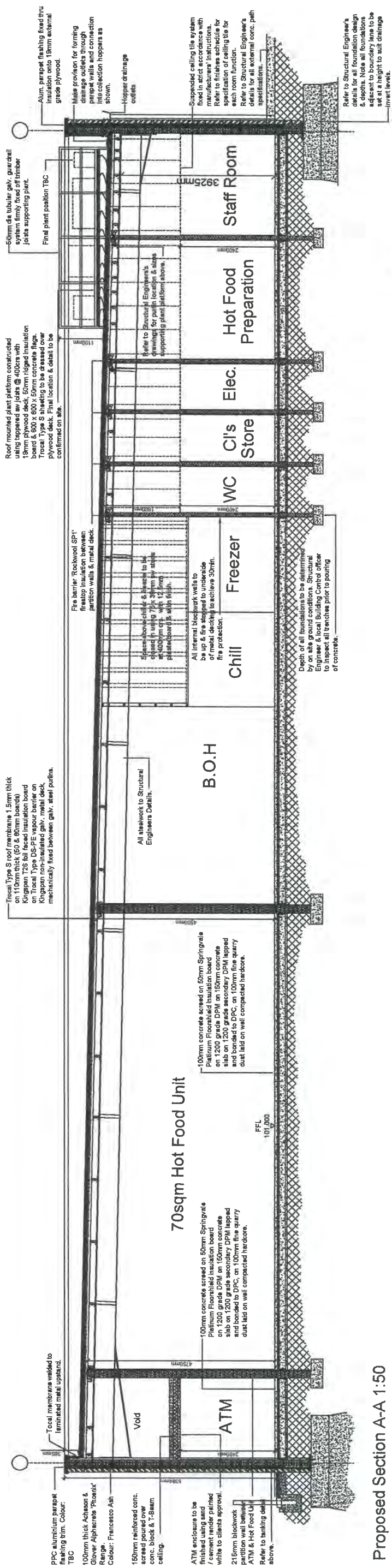
Parapet Detail 1:10

Parapet Detail 1:10



Parapet Detail 1:10

Parapet Detail 1:10



Proposed Section A-A 1:50

Proposed

Proposed Section A-A

scale: 1:50  
date: 06-07 AL  
drawn: WW

0702-04

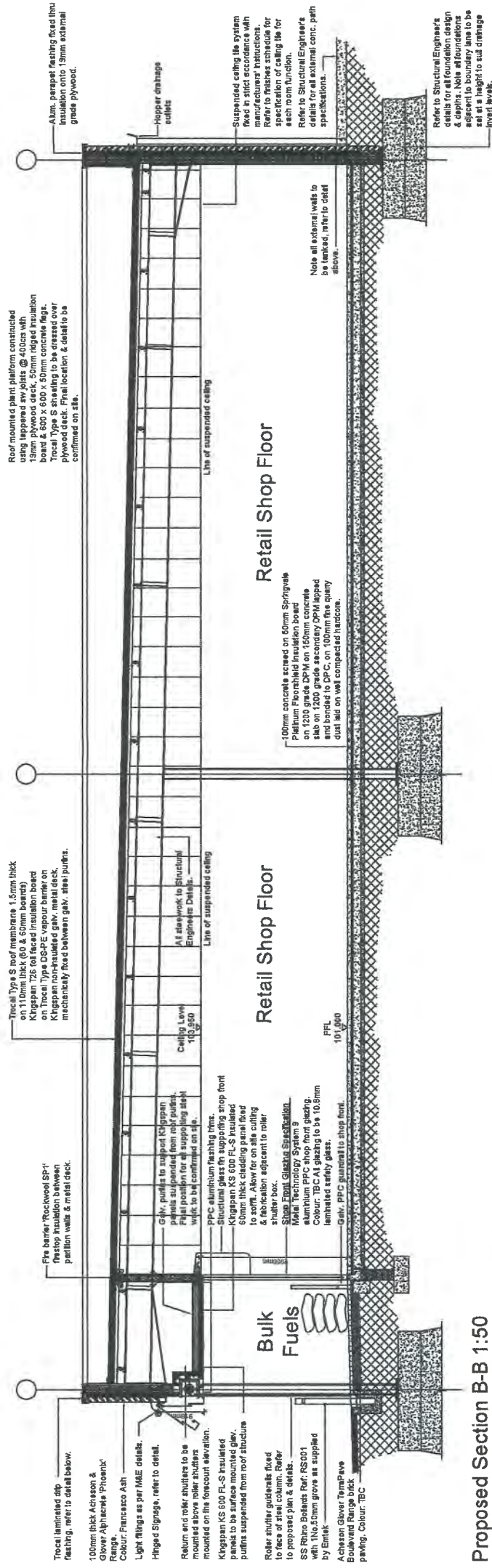
N.I.S.

06-07 AL

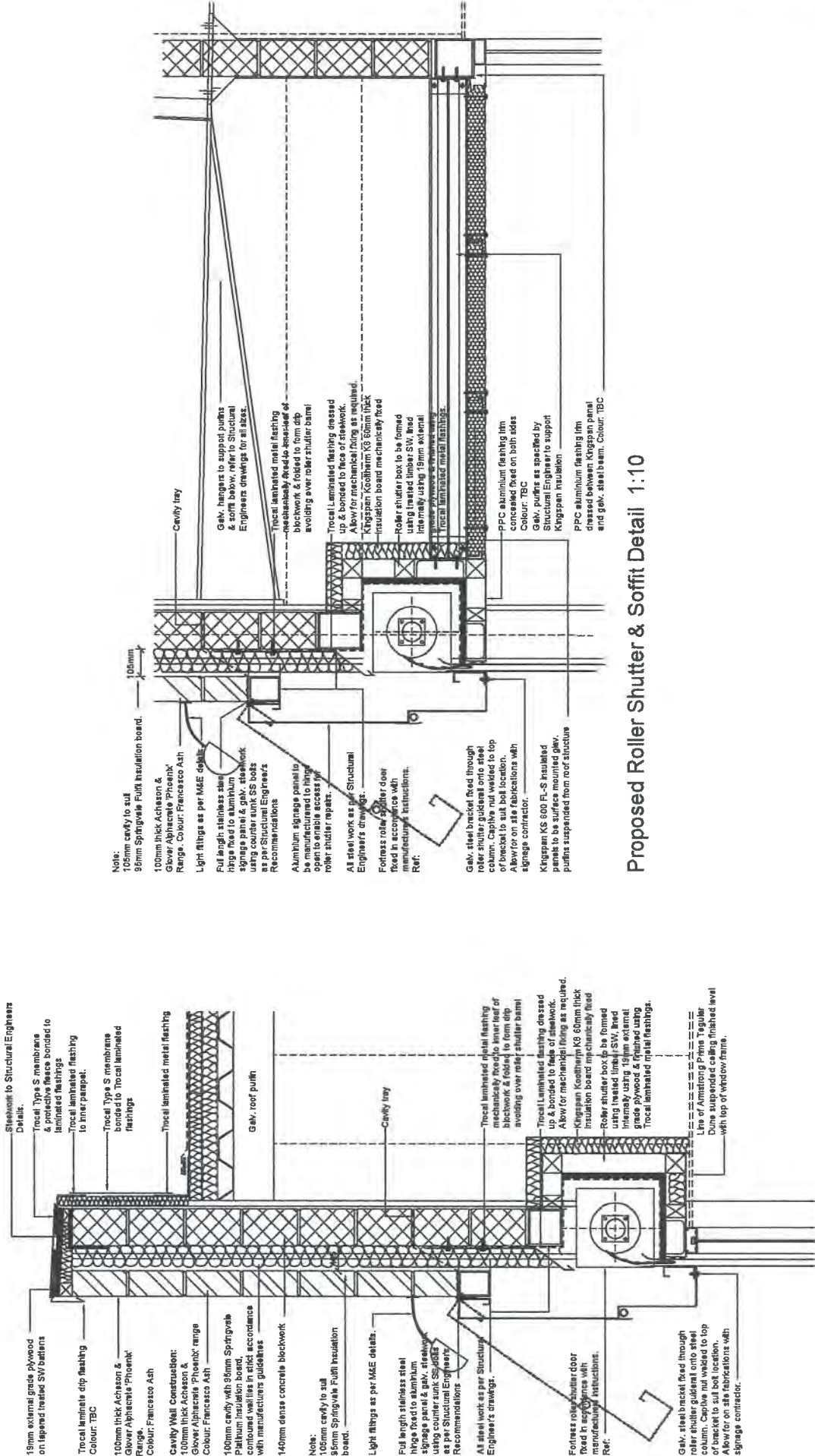
0702-04

04/09





**Proposed Section B-B 1:50**



**Proposed Roller Shutter & Signage Detail over windows 7, 8 & 9 Scale 1:10**

A R C H I T E C T S

Proposed Section B-B

Proposed Section B-B  
scale: 1:50  
date: 06-07 AL  
drawn: WW

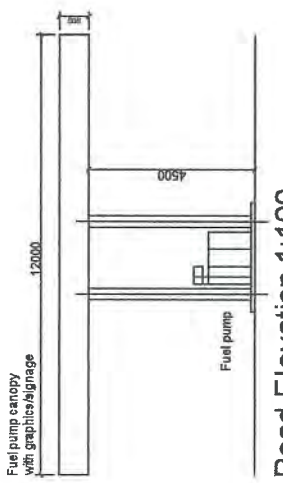
N.T.S

0702-05

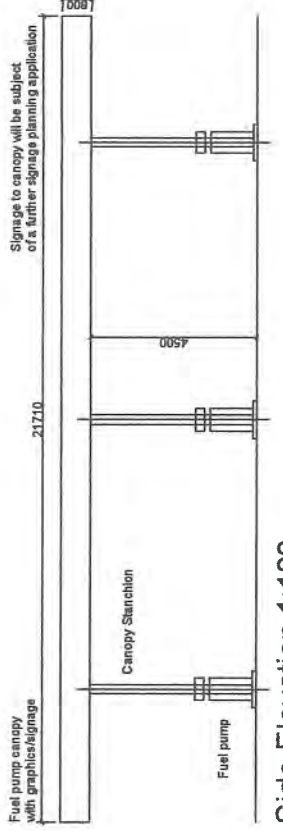
04/06/20

client: N.T.S  
project: Proposed Section B-B  
title: Proposed Section B-B  
date: 06-07 AL  
drawn: WW  
scale: 1:50

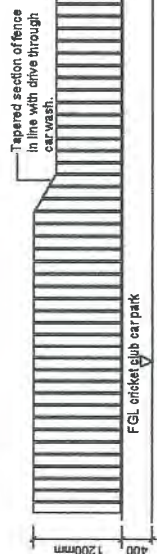




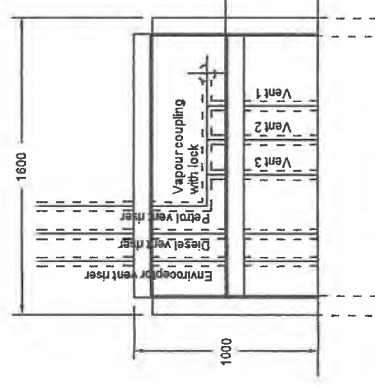
Road Elevation 1:100



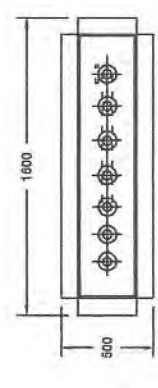
Side Elevation 1:100



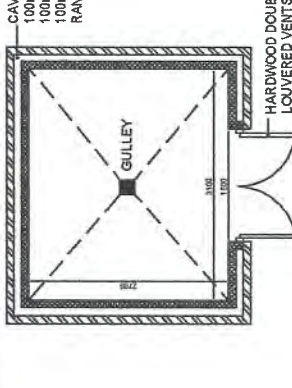
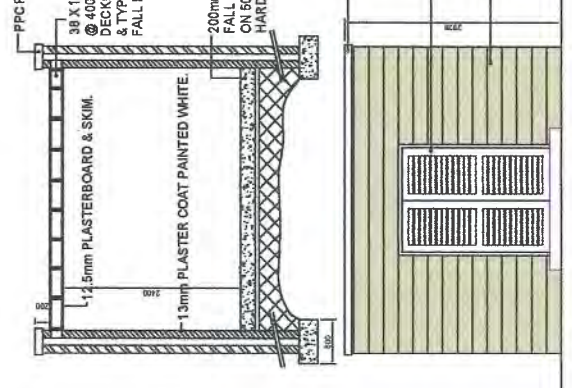
Proposed Tapered Fence Detail 1:50



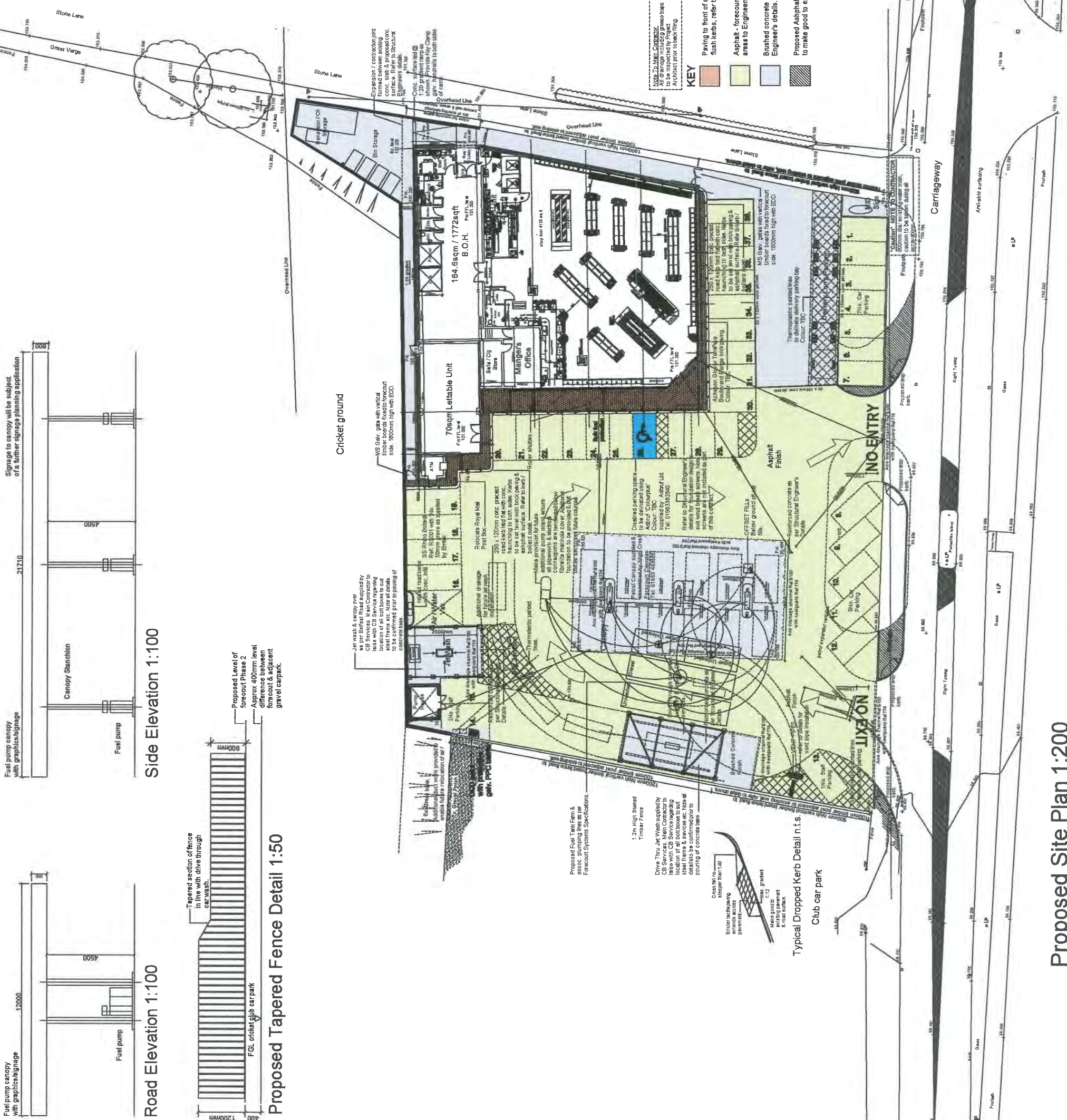
Elevation of steel protection for low level fuel tank manifold 1:20



Plan of steel protection for low level fuel tank manifold 1:20



Proposed Jet Wash Plant Room 1:50



Proposed Site Plan 1:200

architects

Proposed Site Plan

scale data drawn checked

WV 06-07 AL WW

0702-06

CAJLBY

- KEY
- Paving to front of shop with flush kerbs, refer to spec.
  - Asphalt - forecourt & parking areas to Engineers details
  - Brushed concrete areas to Engineers details.
  - Proposed Asphalt surface to make good to existing pavement
- Notes to client: Contractor to be instructed by Architect prior to backfilling



**NEW INSTALLATION**

New installation to be installed and surface water system...  
1.100mm thick concrete...  
1.200mm thick concrete...  
1.300mm thick concrete...  
1.400mm thick concrete...  
1.500mm thick concrete...  
1.600mm thick concrete...  
1.700mm thick concrete...  
1.800mm thick concrete...  
1.900mm thick concrete...  
2.000mm thick concrete...

**REVISIONS**

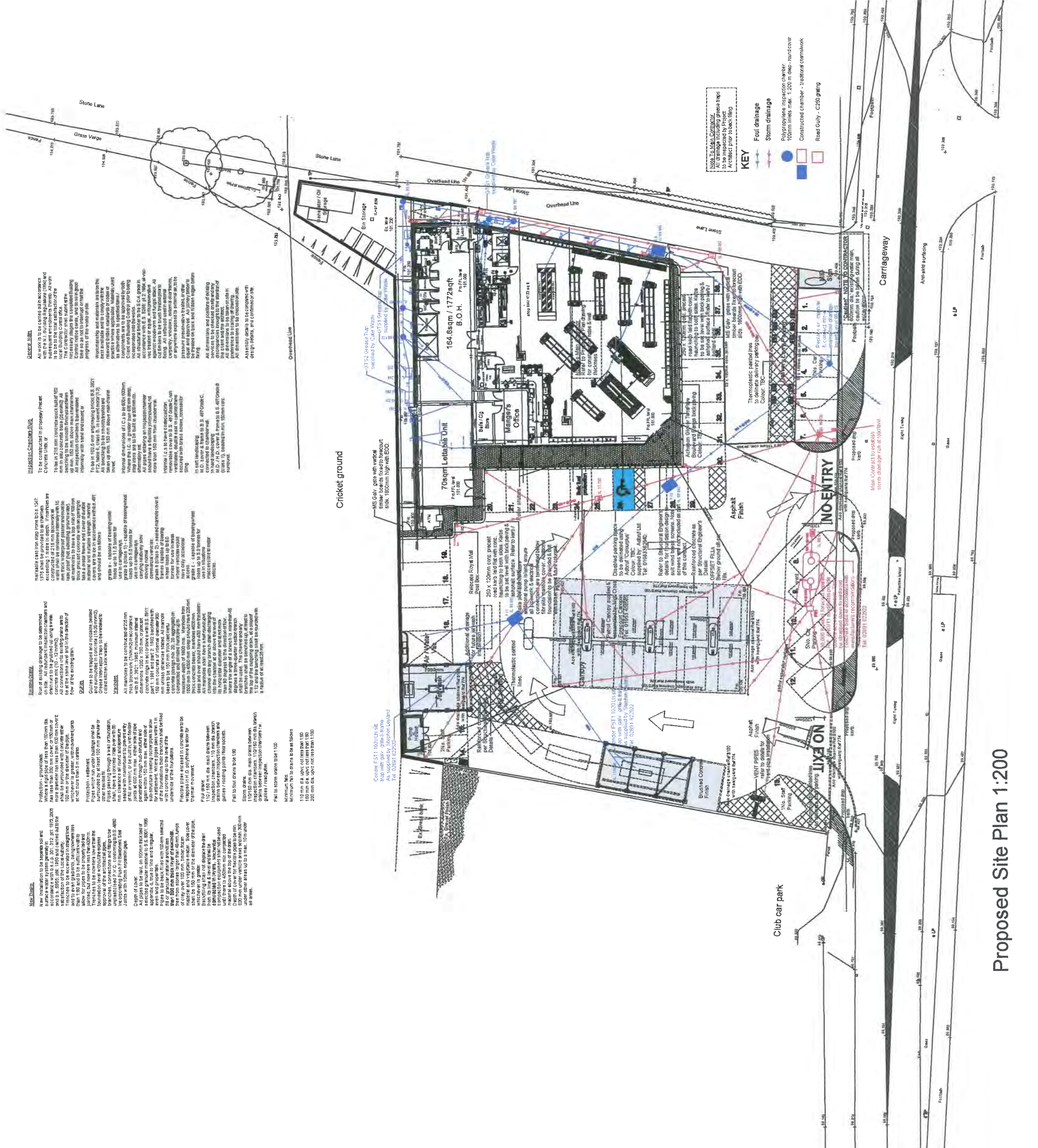
Run of existing drainage to be determined...  
1.000mm thick concrete...  
1.100mm thick concrete...  
1.200mm thick concrete...  
1.300mm thick concrete...  
1.400mm thick concrete...  
1.500mm thick concrete...  
1.600mm thick concrete...  
1.700mm thick concrete...  
1.800mm thick concrete...  
1.900mm thick concrete...  
2.000mm thick concrete...

**UNDESIGNED CONSTRUCTION**

To be constructed in preliminary...  
1.000mm thick concrete...  
1.100mm thick concrete...  
1.200mm thick concrete...  
1.300mm thick concrete...  
1.400mm thick concrete...  
1.500mm thick concrete...  
1.600mm thick concrete...  
1.700mm thick concrete...  
1.800mm thick concrete...  
1.900mm thick concrete...  
2.000mm thick concrete...

**GENERAL NOTES**

All work to be carried out in accordance...  
1. All drainage including gully traps...  
2. All drainage to be installed...  
3. All drainage to be installed...  
4. All drainage to be installed...  
5. All drainage to be installed...  
6. All drainage to be installed...  
7. All drainage to be installed...  
8. All drainage to be installed...  
9. All drainage to be installed...  
10. All drainage to be installed...

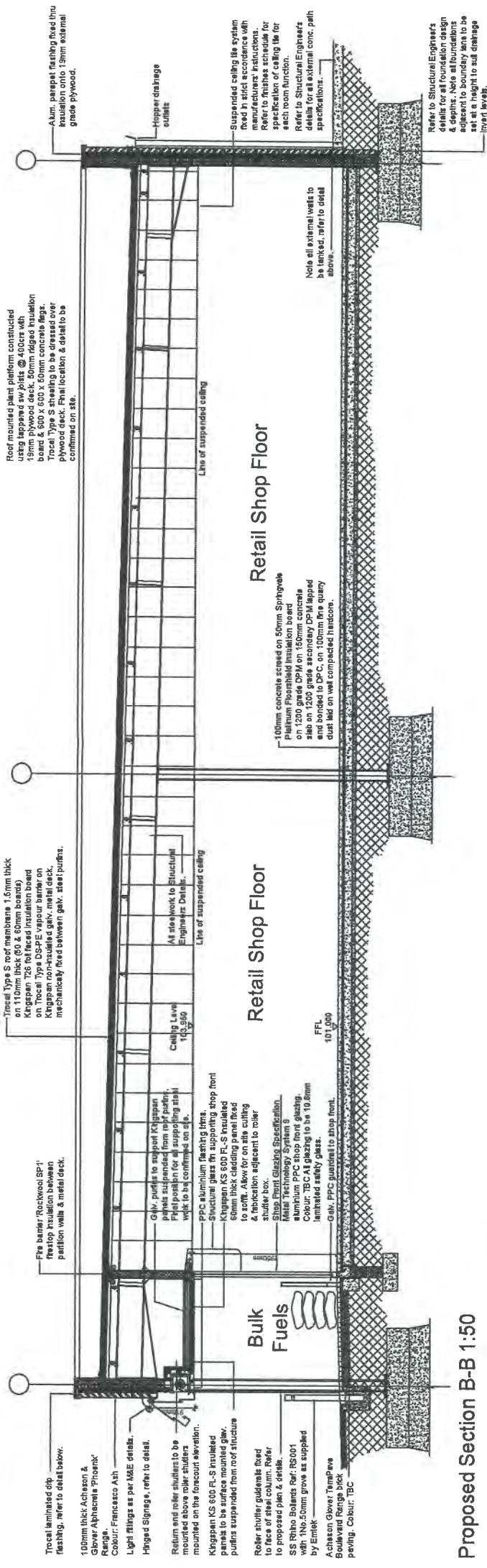


Proposed Site Plan 1:200

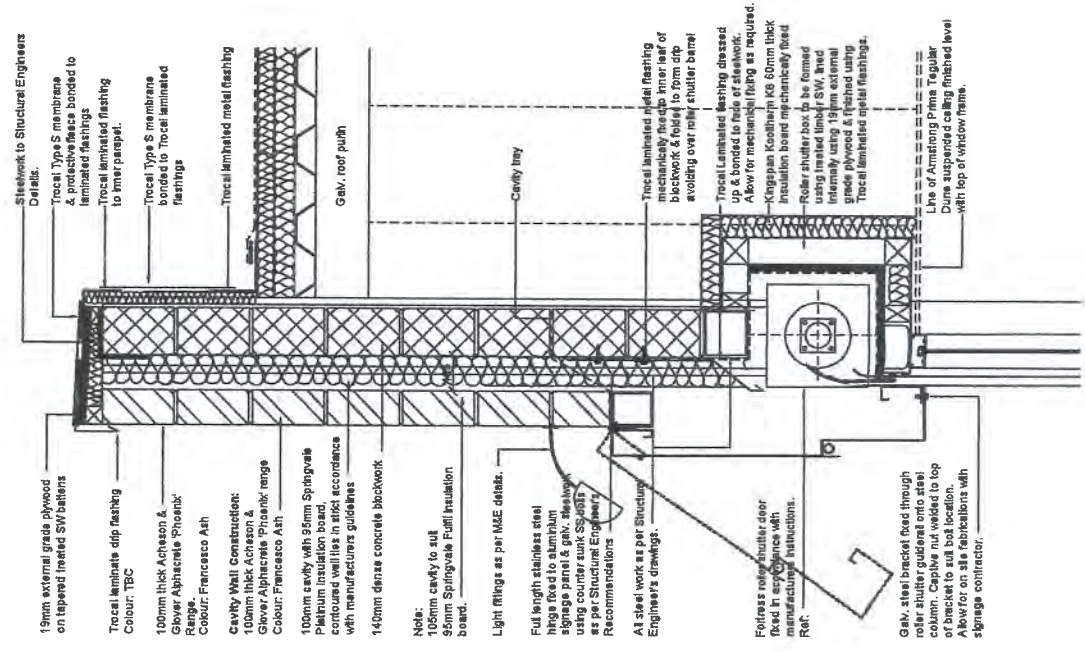


## Appendix 14.0





Proposed Section B-B 1:50



Proposed Roller Shutter & Signage Detail over windows 7, 8 & 9 Scale 1:10

Roof mounted plant platform constructed using tapered SV battens @ 450cs with 19mm plywood deck, 50mm rigid insulation board & 600 x 600 x 60mm concrete flags. Total Type S sheeting to be dressed over plywood deck. Final location & details to be confirmed on 3AE.

Retail Shop Floor

Retail Shop Floor

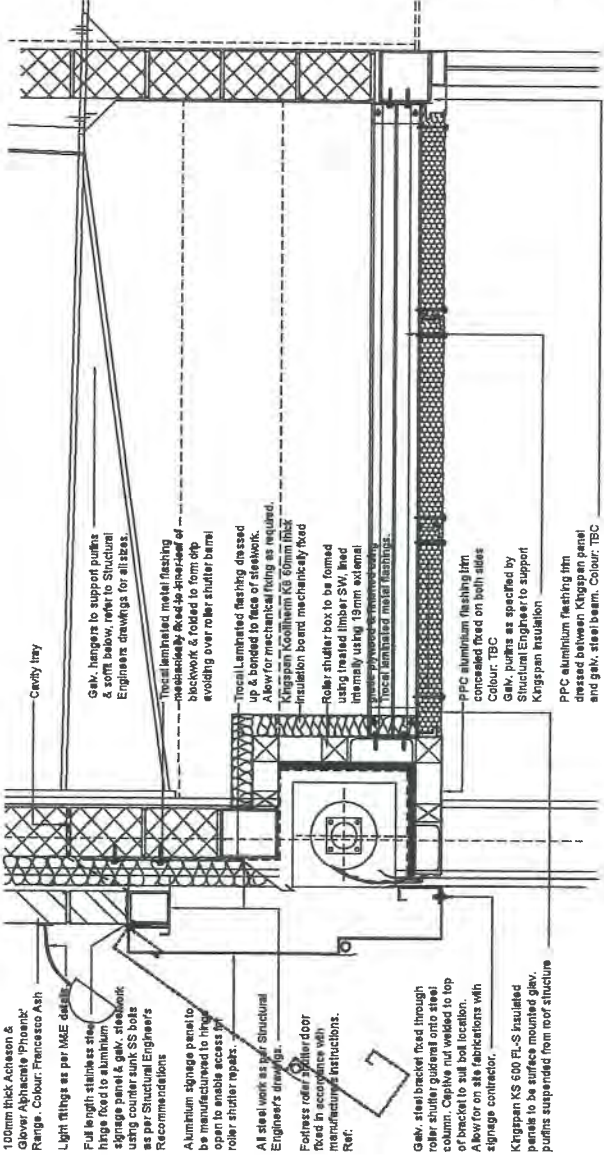
Bulk Fuels

Note: all external walls to be finished, refer to detail above.

Note: all external walls to be finished, refer to detail above.

100mm concrete cured on 50mm Sphynox on 1200 grade DPM on 100mm concrete slab on 1500 grade secondary DPM applied and bonded to DPC, on 100mm fire quarry dust laid on wet compacted hardcore.

100mm concrete cured on 50mm Sphynox on 1200 grade DPM on 100mm concrete slab on 1500 grade secondary DPM applied and bonded to DPC, on 100mm fire quarry dust laid on wet compacted hardcore.



Proposed Roller Shutter & Soffit Detail 1:10

Architects



Proposed Section B-B  
 scale 1:50  
 date 06-07 AL WW  
 sheet 0702-05

client N.T.S  
 dra. no. 0702-05

scale

client

dra. no.

sheet

date

author







