
TECHNICAL SPECIFICATION

Location:

**Hay Public School
Lachlan Street Hay NSW 2711**

Description of the Works:

Design and Construct a Metal Framed Covered Outdoor Learning Area

1 THE WORKS

1.1 PROJECT DETAILS

The project consists of the Design and Construction of a Metal Framed Covered Outdoor learning Area over an existing concrete play area at the Hay Public School.

1.2 GENERAL

Carry out the Works as further described and as shown on the Drawings accompanying the Specification.

1.3 TRADE QUALIFICATIONS

The Contract must only use qualified tradespersons who hold a current trade licence for any trade works carried out under this Contract.

The Principals Representative must approve any exception to this requirement.

1.4 CONTRACT DOCUMENTS

The Contractor must notify the Contact Officer before the tender closing date and time if any discrepancy, error or omission is found in the documents.

1.5 SITE SECURITY AND MAINTENANCE.

The contractor must supply and maintain a temporary site fence with a minimum height of 1.8 metres. This fence is to completely enclose all areas of works on site including stored materials. The fence gate is to be locked at all times. The fencing must be erected and secured in a manner which prevents access to the works area for persons of all ages. The Contractor must keep the site clean and tidy and dispose of all rubbish and surplus materials promptly. Existing facility waste management reciprocals are not to be used for site waste or debris.

2.0 SCOPE OF WORK

- 2.01** A site visit will be required to determine the actual size of the unit and also site conditions. The contract is for the design, supply and installation of all materials unless specifically mentioned.

Design and construct a metal framed Covered Outdoor Learning Area (COLA) to the position indicated on the plans and details included within the tender documents. The frame of the structure is to be fabricated in accordance with the requirements further listed in the specification and criteria guidelines.

2.02 The Connection of services is to be carried out in accordance with the local supply authority requirements, including inspections and obtain all relevant receipts and pay all associated fees.

2.03 The works are to be carried out in accordance with the reference to Item A.01 to A.26 unless specifically mentioned.

The school has no toilet facilities available, therefore the contractor will be responsible for all amenities in accordance with OHS Regulation and the OHS Act.

3 COLA

3.01 Construct a new Covered Outdoor Learning Area to the area nominated on Site Plan sheet "C" and accompanying drawings A, B, D, E & F between buildings H and I.
This plan also shows the line for the temporary 1.8m high fencing for the construction zone.

3.02 The existing garden borders/ edging to the outside line of the COLA and the concrete drain are to remain.

No columns are to be installed to the area shown as B on sheet "B".

The frame is to be Galvabond finish – not painted.

Sheet E indicates the height of the columns and the pitch of the roof.

3.03 Remove the two gardens to the concrete paving below where the COLA is to be constructed shown on sheet "A".

The concrete sections are to be removed to the next control joint and replaced in full sections. Excavate and pour new 110mm deep concrete with F72 mesh doweled to the existing concrete with 300mm x 10mm mild steel dowels at 400mm c/c max.

Control joints are to match existing.

Finish is to match existing.

3.04 To the middle column on the western side, supply and install a waterproof double GPO surface mounted to the face of the column and finishing 1.8m from ground level.

The GPO is to face the underside of the COLA.

The installation is to be via approved conduits from the adjacent building with the legend on the switchboard upgraded and forward a copy of the notification to the Supply Authority prior to commencement of DLP.

3.05 To the underside roof sheet install 100 x 115 x 1.25 support mesh laid over roof members.

3.06 To the top of the mesh install 75mm foil backed blanket.

A.01 Criteria

The footings for the columns are to be designed based on the geotech results obtained by the successful tenderer.

Holding down bolts are to be fabricated and placed in the concrete footings.

Masonry anchors used for fixing following the erection of the structure will not be accepted.

The existing paving is to be neatly cut and removed in full sections to enable the footings to be placed as before mentioned.

The top of the footings are to finish 100 mm below the finished paving level and will be topped upon completion with matching paving, complete with tooled joints.

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- A.02** All components shall be of galvanised steel, except where mentioned otherwise, and are to be of enclosed, seamless hollow sections, “C” or “Z” shape purlins, knee braces, girts, non proprietary hollow sections or open web trusses will not be accepted.
- A.03** All purlins are to be single piece hollow sections or extruded seamless hollow sections same as or equal to “Lysaght Firmlok.” All purlins are to be installed between portal frames and support beams are not to be fixed to the top of same. Exceptions to these requirements may be considered in instances where the structural integrity of the component requires the use of non-conforming sections. In these instances alternatives must be approved by the Dept of Commerce prior to the submission of a tender.
- A.04** The roof pitch is as per sheet “E”.
- A.05** The structure is to be designed and constructed in accordance with the Registered Practicing Structural Engineer’s certification and specification.
- A.06** **The successful tenderer is to submit workshop drawings within two (2) weeks of the date of the Letter of Acceptance to the Department of Commerce.**
No construction work will be allowed to commence until the drawings have been reviewed.

The drawings are to be submitted in dwg. format to the Department of Commerce.
Site Plan, Elevations sections and Structural design etc and are to be of a quality for submission to the Hay Shire Council.

The Department of Commerce will forward the site plan in dwg. format to the successful contractor.

- A.07** The roof cladding shall be a minimum 0.47 BMT corrugated Colorbond.
The colour is to be colorbond **Paperbark**.
- A.08** Structure to include all necessary folded metal capping and flashings as required to make
The structure waterproof.
- A.09** The colour is to be colorbond **Paperbark**.
- A.10** Gutters are to match the adjacent building “I”.
The colour is to be colorbond **Manor Red**.
- A.11** Downpipes are to be 100 x 75.
The colour is to be colorbond **Manor Red**.
Secure downpipes to columns with a minimum of three (3) astragals per downpipe.

Connect downpipes to existing stormwater system and make good to all disturbed surfaces.
The downpipes on the northern end can disperse into the existing open drain and finish 150mm from the top of concrete.
The downpipe on the north east corner is to be connected to the drain that runs parallel with building “I”.
The downpipe on the north west corner is to be connected to the existing system on the corner of building “H”.
Any concrete is to be removed in full sections and be replaced to a minimum of 100mm with the finish to match existing.

Australian Standards

- A.12** It is a mandatory requirement of this tender that all deliverables supplied and install under any resultant agreement shall comply with all current relevant Australian Standard(s).
- A.13** Where Australian Standards do not exist, appropriate International Standards (where available) shall apply.
- A.14** In addition to compliance with relevant Australian and International standards, deliverables offered should comply with other relevant standards and codes, as appropriate, to ensure supply and installation of products, under the resultant agreement, is fit for the intended purpose. Tenderers should provide details of any other relevant standards and codes that deliverables offered comply with.
- A.15** All subsequent amendments/revisions to applicable standards and codes and any new standards and codes developed during the period of the agreement, shall apply with immediate effect.
- A.16** Where this specification requires standards that exceed or are different from those applicable under relevant Australian or International Standards and codes, this specification shall take precedence.

Certification and Documentation

- A.17** Tenderers are required to provide certification, where applicable, by a practising structural engineer, or where required, other appropriately specialised engineer, registered with the Australian Institute of Engineers, for the design/manufacture and/or construction/installation of any work undertaken in the resultant agreement.
- A.18** The Contractor is to submit the completed design, comprising all relevant drawings, specifications, calculations and any other statutory certificates, in accordance with the project requirements, prior to the commencement of work.
- A.19** The Contractor is solely responsible for ensuring the completed design is fit for purpose and complies with all relevant regulations, codes and standards.
- A.20** The Principal is not bound to check design plans, or other relevant documentation, for works undertaken in the resultant agreement, for errors, omissions or compliance with the requirements of the Contract.
- A.21** The Principal is not liable to the Contractor for any claim due to the Principal not detecting or notifying the Contractor of any errors, omissions or non-compliance with the requirements of the Contract, or non-compliance with any relevant regulations, standards and codes, in the completed design.
- A.22** Where appropriate, the Contractor is to grant to the Customer an irrevocable licence to use the Contractors design for works undertaken in the resultant agreement.

Installation General

- A.23** Tenderers are advised the following conditions will apply, as appropriate, for all installation works undertaken in the resultant agreement:-

All equipment should be installed to minimise potential risk of hazards and injury to users.

It will be the Contractor's responsibility to engage a registered, practicing structural engineer to determine the site classification, including wind classification, exposure and any other information, relevant to the design and installation of the deliverable(s). Contractors must ensure all works undertaken in the resultant agreement are in accordance with the requirements of the site.

- A.24** The Contractor shall be responsible for undertaking all necessary site preparation and survey work required for the installation of deliverable(s).

From and including the date the site is made available to the Contractor, to the date of completion of the works, the Contractor shall be responsible for the care of the site and surrounding area and all things entrusted to the Contractor by the principal for the purpose of the works.

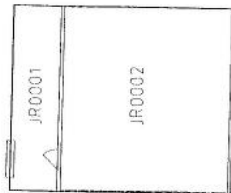
A.25

All fillings used in site preparation, construction and site restoration should be free from perishable matter and consistent with existing soil/ground surface unless the specified filling type can be provided from spoil recovered from the excavations.

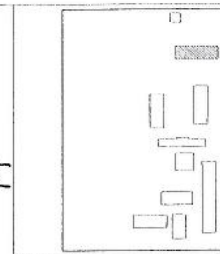
The Contractor shall be responsible for applying dust and noise control measures for all works undertaken.

A.26

All areas outside the works not required to be altered (including the natural ground surfaces of the site), which have been disturbed by the works, shall be restored to their original condition on completion of the works.

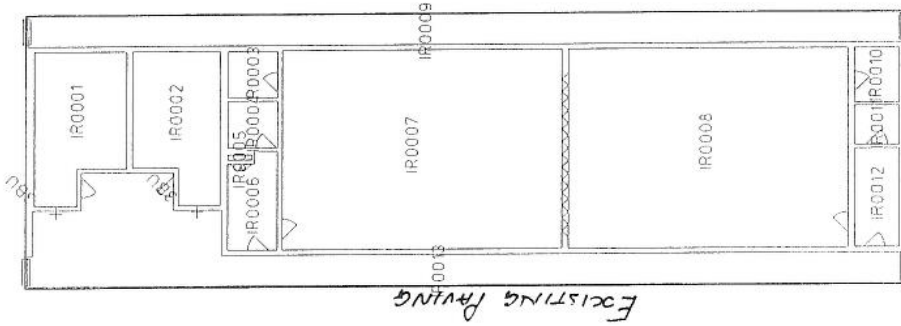
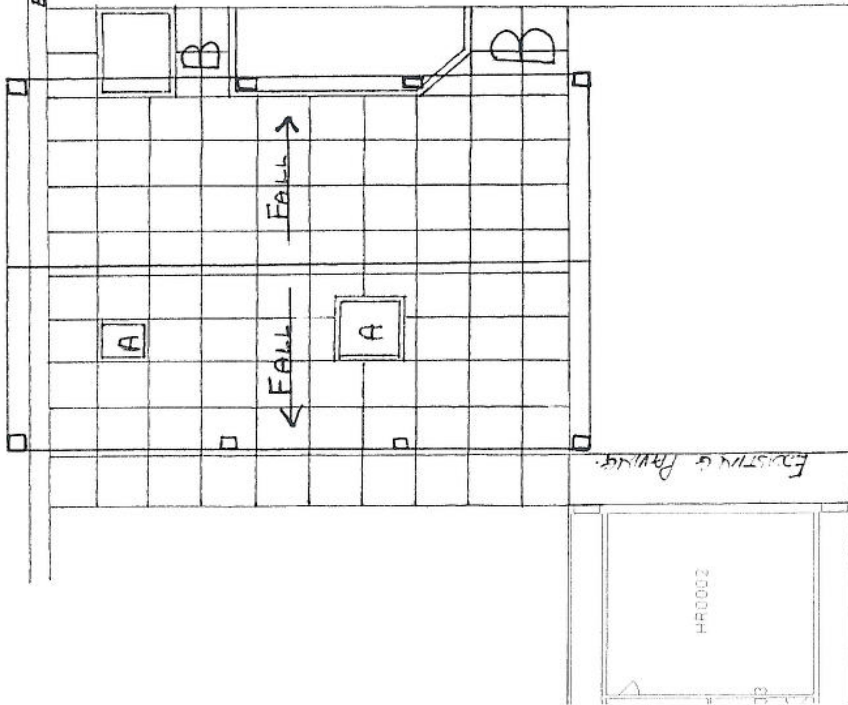


A = EXISTING GRASSES BEARS TO BE REMOVED
DRAWINGS ARE NOT TO SCALE



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EXISTING DRAW

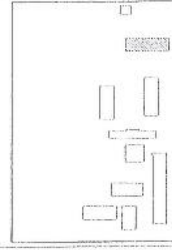


LEGEND

B = NO COLUMNS IN THESE WALK THROUGH AREAS

DRAWING NOT TO SCALE

B



C. CROWN COPYRIGHT 1986
NEW SOUTH WALES

NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT
DRAWN BY: [Signature]
CHECKED BY: [Signature]
DATE: [Date]

SCALE 1:200

1" = 20'

1" = 20'

1" = 20'

1" = 20'

1" = 20'

Department of School Education

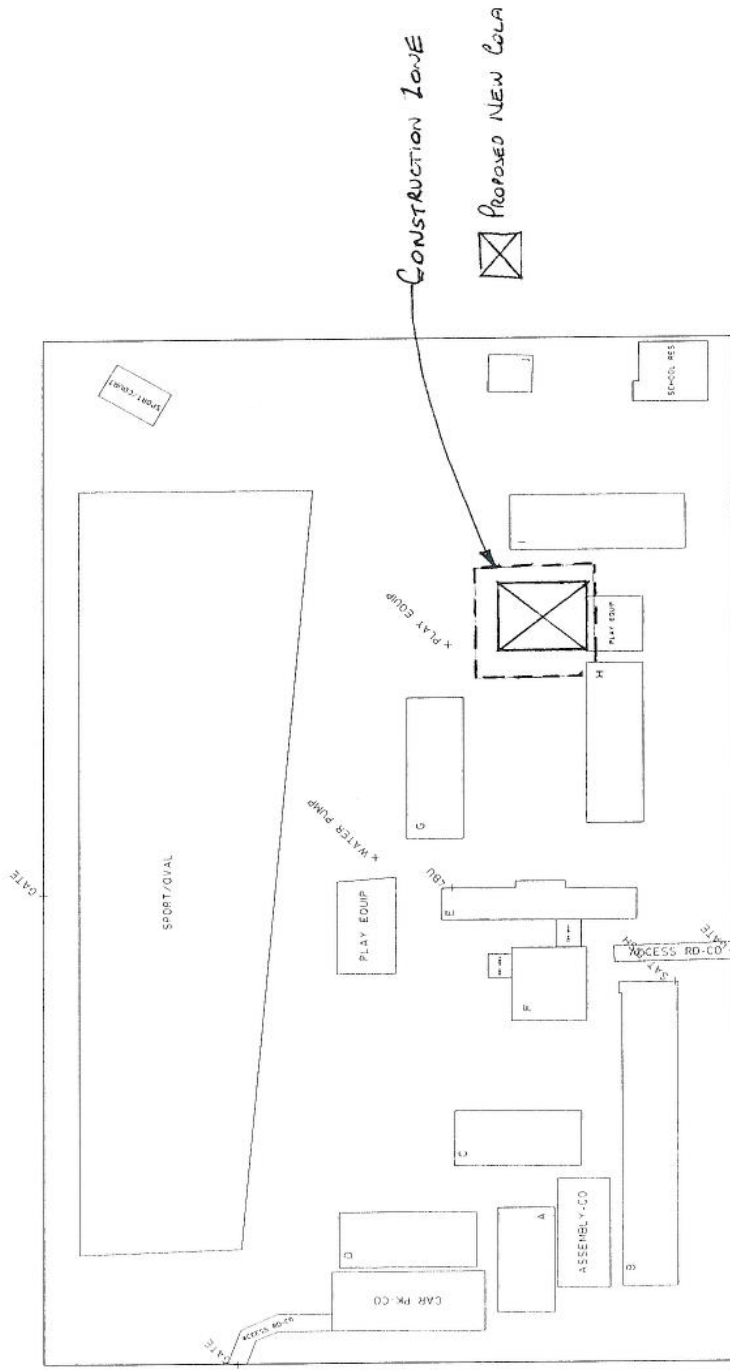


SCHOOLS DATA CAPTURE PROJECT



HAY PUBLIC SCHOOL
Ground Floor Building 1

11

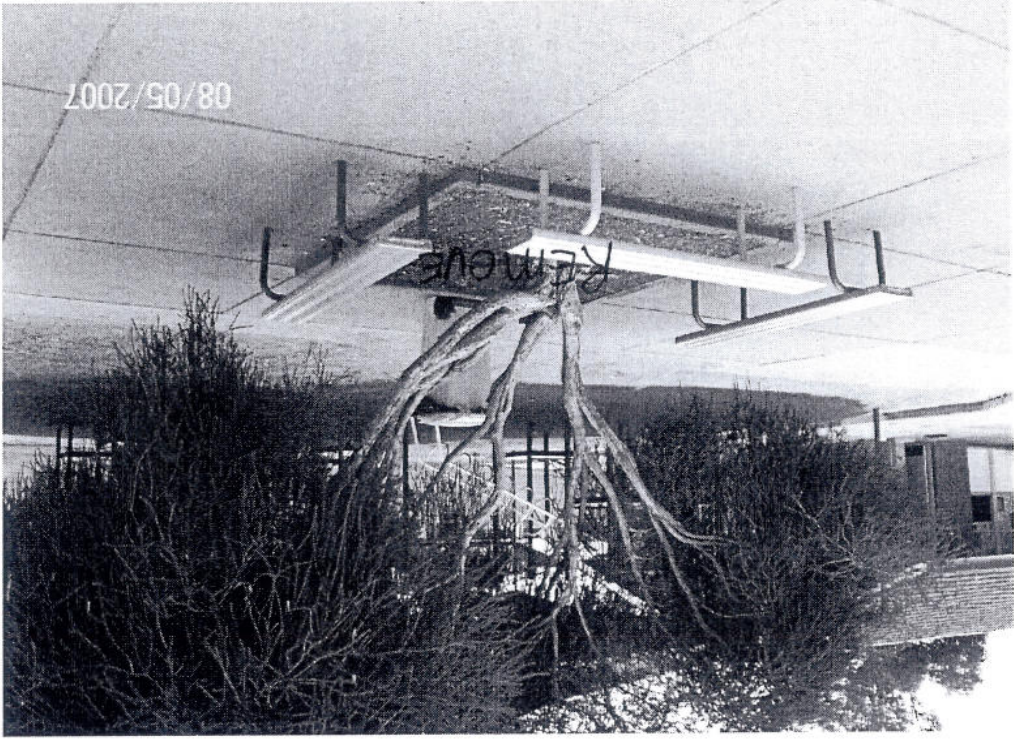
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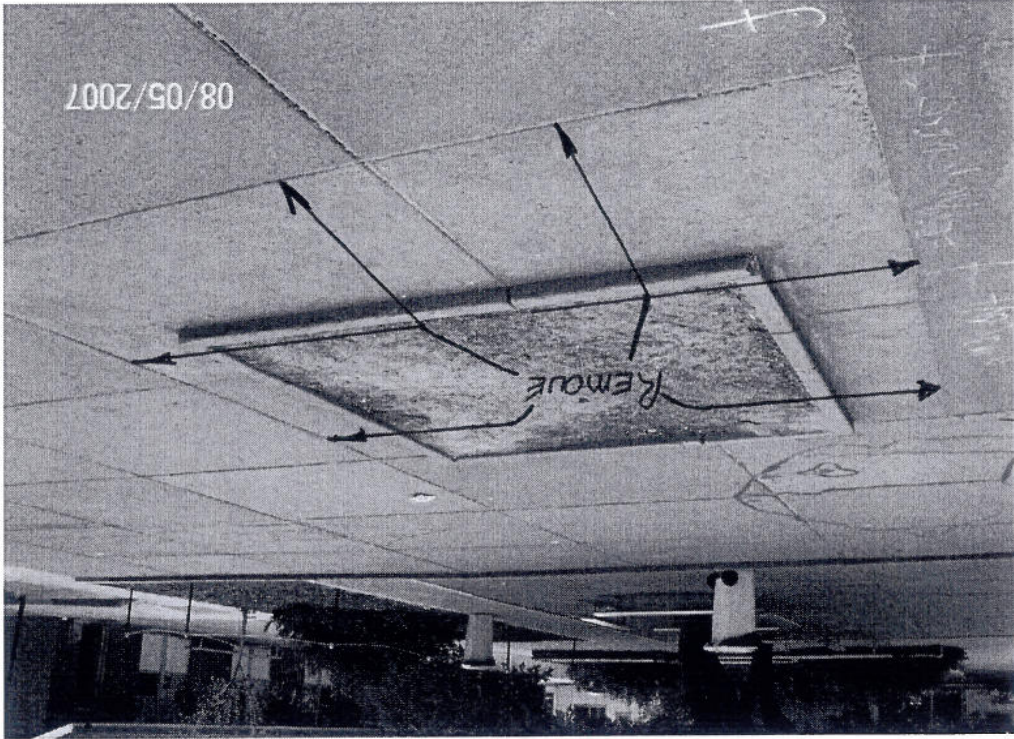
C

	<p>SCHOOLS DATA CAPTURE PROJECT</p> <p>HAY PUBLIC SCHOOL</p> <p>SITE PLAN - P2145S13075</p>	<p>Department of School Education</p>  <p>Department of Public Works and Services</p>	<p>SCALE 1:1000</p> <p>10 5 0 10 20 30 40</p>	<p>EXTERNAL STAIR 15'x40' WITH 10'x10' PLATFORM ATTACHED</p> <p>EXTERNAL STAIR 15'x40'</p> <p>EXTERNAL STAIR 15'x40'</p> <p>EXTERNAL STAIR 15'x40' WITH 10'x10' PLATFORM ATTACHED</p> <p>EXTERNAL STAIR 15'x40'</p> <p>EXTERNAL STAIR 15'x40'</p>	<p>2008/04/01</p> <p>2008/04/01</p> <p>2008/04/01</p> <p>2008/04/01</p> <p>2008/04/01</p> <p>2008/04/01</p>	<p>NOTE: THIS PLAN WAS REVISED BASED ON THE DATA PROVIDED BY THE CLIENT. THE CLIENT IS RESPONSIBLE FOR THE ACCURACY OF THE DATA. THE CLIENT IS ADVISED THAT THE DATA WAS NOT VERIFIED BY THE ENGINEER. THE ENGINEER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE DATA. THE ENGINEER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE DATA.</p>	<p>DATE: 2008/04/01</p>
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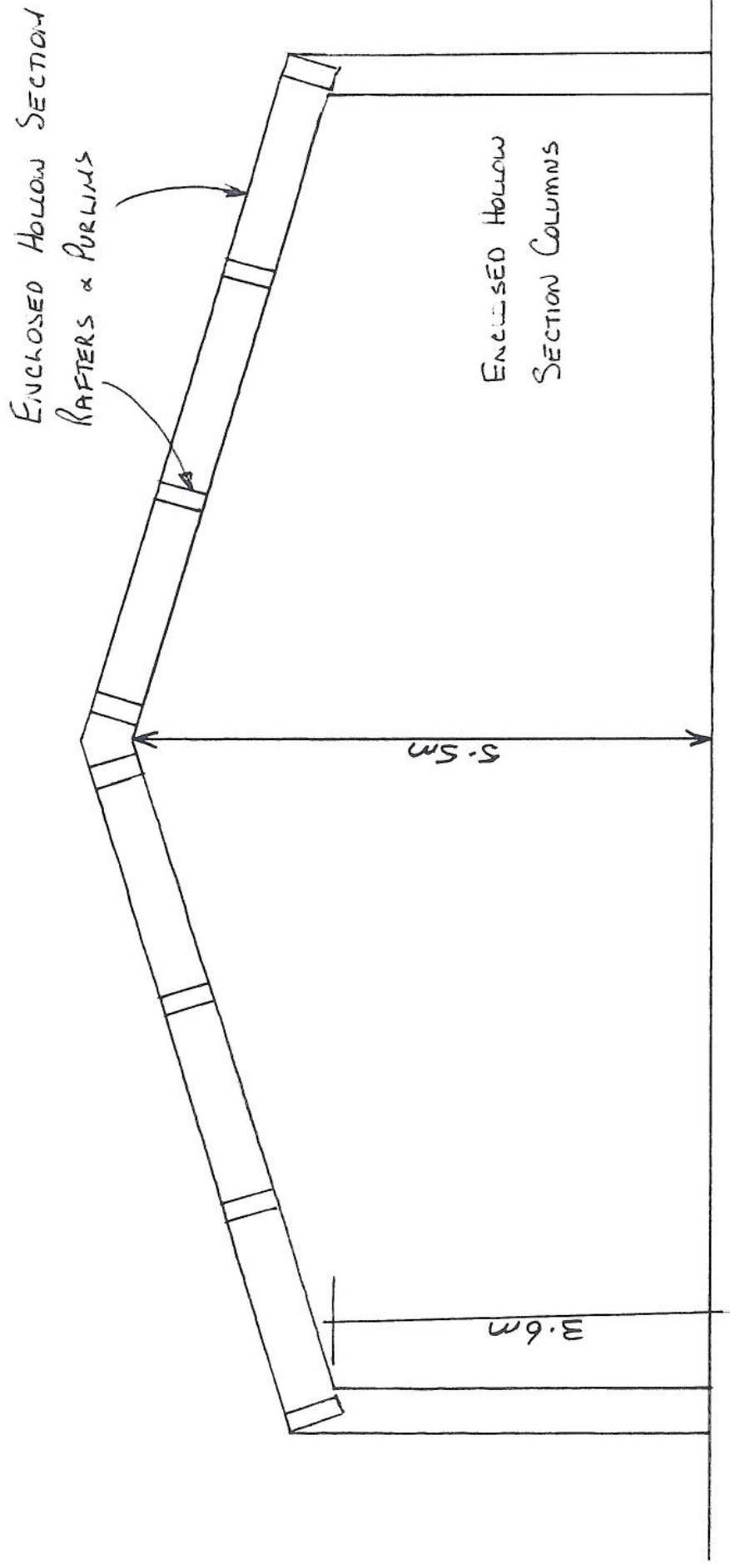


Both of these garden beds are to be removed inclusive of the tree and the concrete borders.
The slabs are to be removed back to the nearest control joint where indicated.

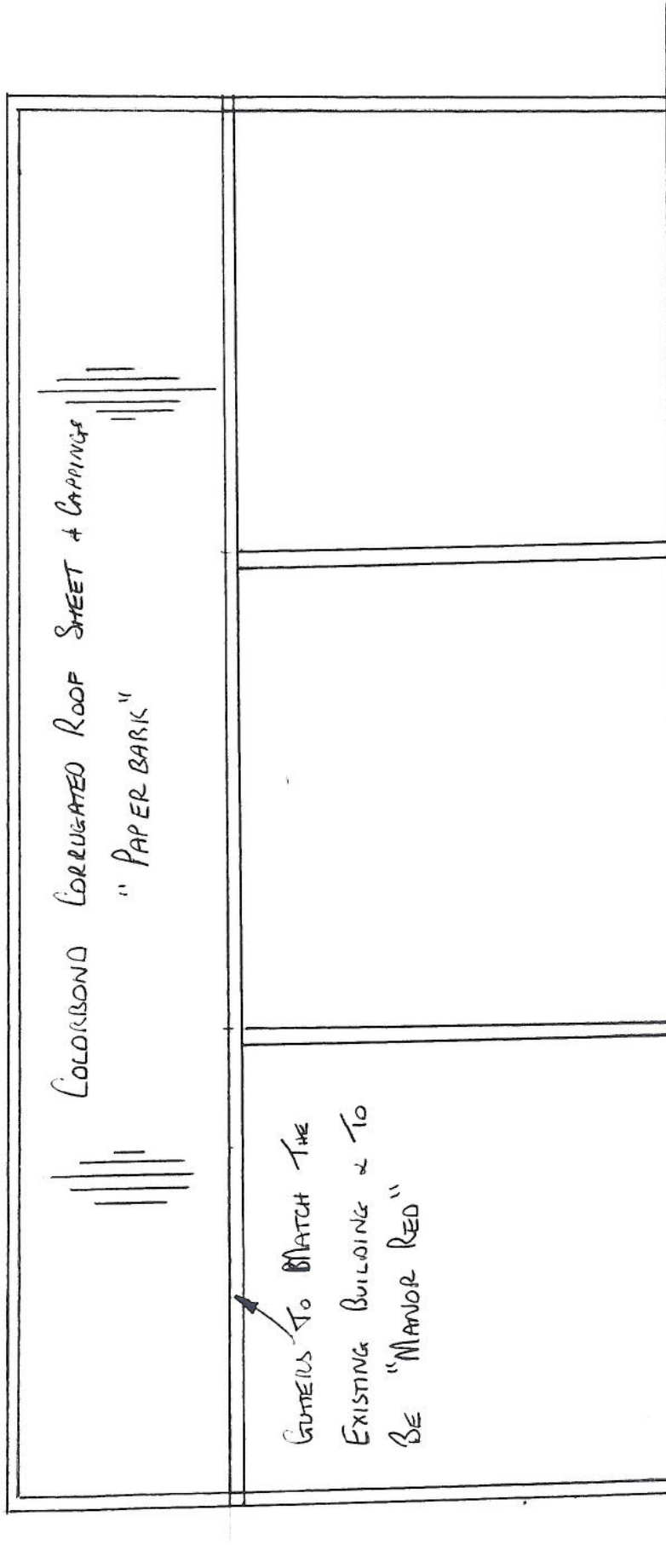


1. SITE MEASURES REQUIRED TO DETERMINE LENGTH & WIDTH ETC.

2. ALL STRUCTURAL COMPONENTS TO BE CLARIFIED IN STRUCTURAL ENGINEER'S DESIGN.



HAYS PUBLIC SCHOOL - COVERED OUTDOOR LEARNING AREA
DRAWING NOT TO SCALE



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DRAWING NOT TO SCALE