



WASTE MANAGEMENT PLAN

DEMOLITION, CONSTRUCTION AND USE OF PREMISES

NEW SCHOOL BUILDING

71-81 CHELMSFORD DR. METFORD

MAITLAND CHRISTIAN SCHOOL

PAYNTER DIXON
CREATING SINCE 1914

Oct 2021

WASTE MANAGEMENT PLAN

OUTLINE OF PROPOSAL

Site address: _____ 75-81 Chelmsford Drive, Metford _____

Applicant's name and address: ___ Paynter Dixon Constructions _____

_____ L3, 5 Rider Boulevard, Rhodes NSW 2138, _____

Phone: ___ (02) 9797 5555 _____ **Mobile:** ___ 0407 498123 _____

mail: _____ clive.furnass@paynterdixon.com.au _____

Building and other structures currently on site: _____ Existing Maitland Christian School buildings and associated structures– owned by Maitland Christian School

Brief description of proposal: ___ New three (3) storey school building for specialist learning areas, providing a Gym, Drama and Library with General Learning Areas.

The details provided on these forms, plans and attached documents are the intentions of managing waste relating to this project.

Signature of applicant:



Date: ___ 28 October 2021 _____

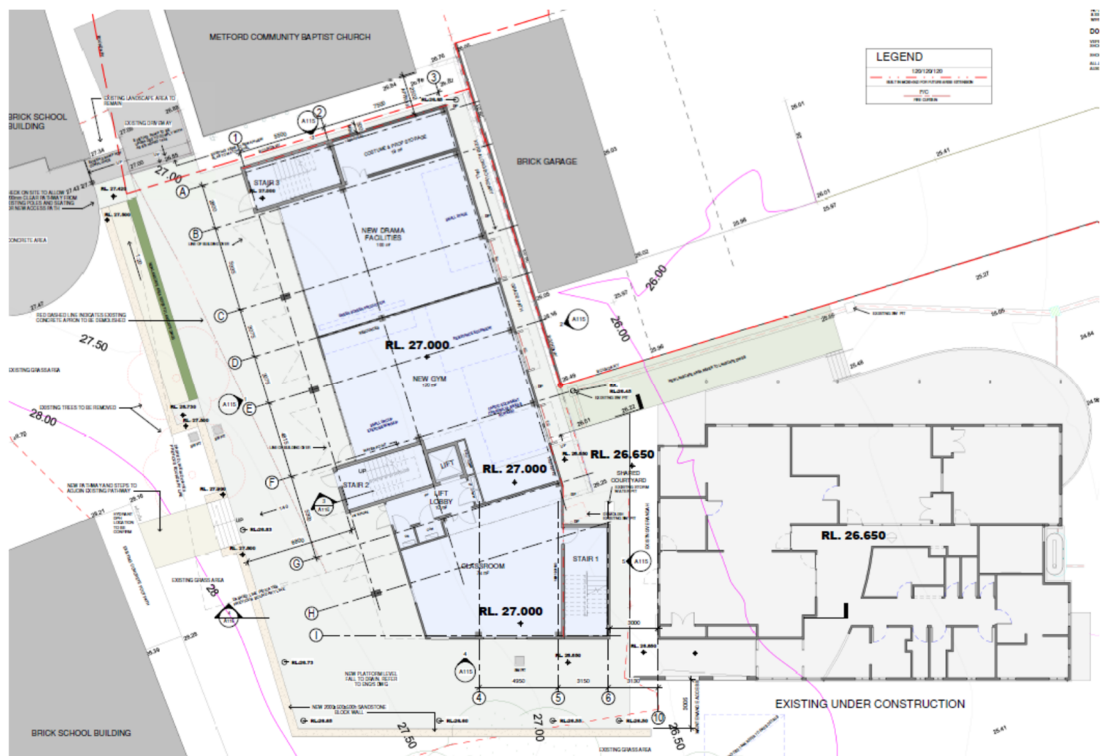
PROPOSAL

This waste management plan is for the construction of the New MCS School Building and upgrade of the adjoining landscaping at 75-81 Chelmsford Drive, Metford.

Site Plan



Floor Plan



SECTION 1: - DEMOLITION & EXCAVATION

As part of Paynter Dixon Constructions (PDC) commitment to sustainability we have established long term contracts with demolition contracting companies who as a commercial advantage undertake the responsibility to recycle all the recoverable waste products from our building sites:

These contractors are engaged under our standard terms and conditions which include several conditions regarding the demolition process and the handling of the demolished materials. Some examples of these clauses are highlighted below:

“Licence

- (i) The subcontractor must hold a current demolition license of a class suitable for the work being carried out.*
- (ii) It is illegal to carry out demolition work without a current license of correct class.*
- (iii) Before commencing demolition work the subcontractor must provide evidence to the builder of his current license.”*

“Discovery

The subcontractor shall notify the builder immediately if any of the following materials are found to form part of his works:

- (i) Asbestos or material containing asbestos other than as noted.*
- (ii) Flammable or explosive liquids or gasses.*
- (iii) Toxic, infective or contaminated materials.*
- (iv) Noxious or explosive chemicals.*
- (v) Radiation or radioactive material.*
- (vi) Tanks or other containers which have been used for storage of explosive, toxic, infective or contaminated substances.”*

“Removal

- (i) The subcontractor shall remove all demolished material, debris and rubbish from site progressively during the demolition process and dispose of in an approved manner.*
- (ii) The subcontractor must dispose of any waste strictly in accordance with “The Protection of the Environment Act 1997”. The place where the subcontractor takes and dumps waste must have an EPA licence. The subcontractor shall obtain, from the owner of the disposal site, a completed Section 143 notice and forward it the Builder with any claim for payment.*
- (iii) Rubbish bins and skips must be of an adequate size to remove all demolished rubble safely from site.”*

Within the services that these companies offer to PDC, it is common practice that they initially sort base material on site such as concrete, brickwork, metal, glazing etc in piles and/or skip bins prior to loading into dump trucks and transporting to waste management facilities. Once received at the waste management facilities the demolished materials are further sorted and recycled according to their condition. For instance, concrete and reinforcement is crushed, separated and recycled as steel and concrete aggregates.

Demolition

The proposed new Maitland Christian School building at Metford is to be constructed on an existing site and as such the only demolition involved will be the removal of an existing concrete slab hard stand used for bus vehicular parking and some small shrub trees in the playground area. All materials and trees will be removed by licensed contractors and disposed of at recycling facility.

Excavation

New structural slab will be poured in place of hard stand slab at a floor level that works with the relative levels and links to the existing Arise College Building adjacent. There will be minimal excavation required for the construction (footings beams and floor structure). Any spoil produced on site from the placement of the structural slab and edge beam and/or the provision of services trenching will be retained on site and spread over the landscaped area or below the new portion of building footprint.

Materials On- Site		Destination		
		Reuse & Recycling		Disposal
Type of material	Estimated Volume (m ³) or Area (m ²) or weight (tonnes)	On-Site Specify how materials will be reused or recycled on-site	Off-Site Specify the contractor and recycling outlet	Specify the contractor and landfill site
Excavation Material	2.5m ³	Reused – spread on site under and adjacent new building	N/A	N/A
Green Waste	10m ³	Some reuse as mulch	Waste Transfer & Resource Recovery- Economy Waste Group or similar facility	N/A

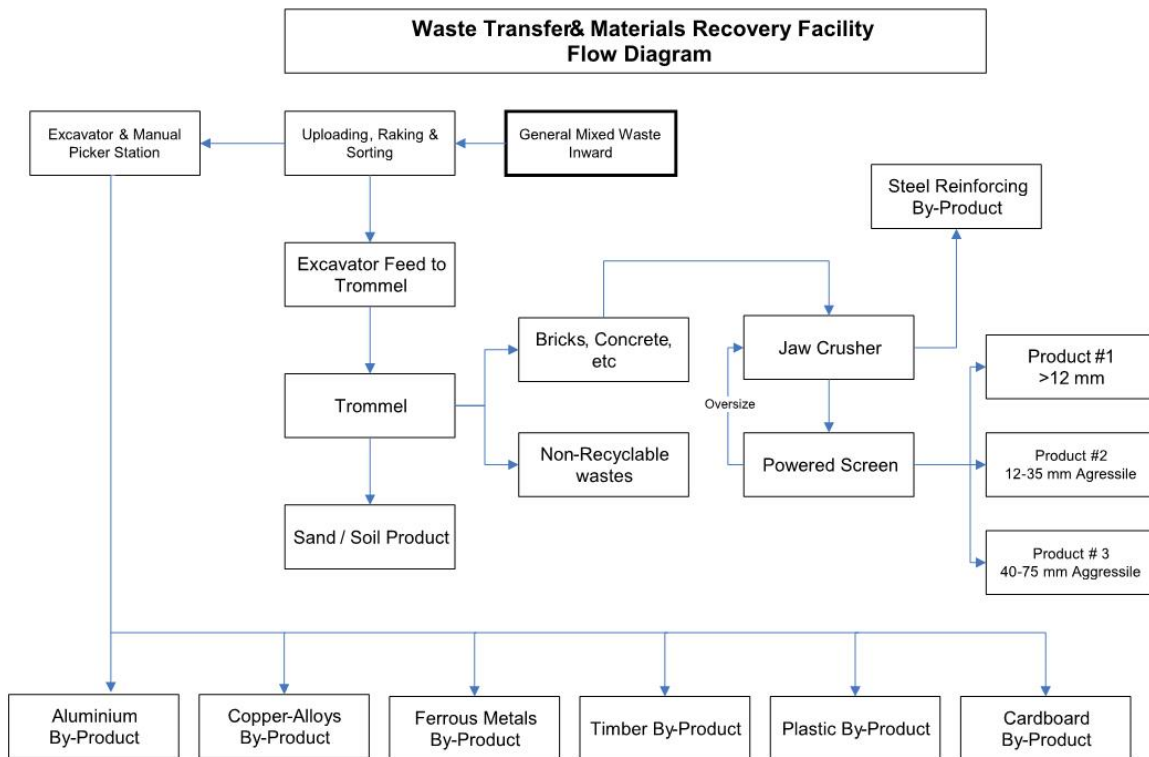
SECTION 2: - CONSTRUCTION

As part of Paynter Dixon Constructions (PDC) commitment to sustainability we have establish long term contracts with several waste management companies who undertake the responsibility to recycle all the recoverable waste products from our building sites. Companies such as:

- Cheap & Quick Waste Bins Pty Ltd
- Economy Waste Group Pty Ltd
- Bingo Waste Bins Pty Ltd
- SIMS Metal Management Ltd

Within the services that these companies offer to PDC, it is common practice that they elect to utilise the recycling of materials at a Transfer Station. This involves the placement of materials from demolition in mixed rubbish containers for transport and sorting at a Waste Transfer Station. For example, Cheap & Quick Waste Bins utilise the transfer station, Rockdale Resource Recovery Centre. The following diagram is an example of the process by which demolished material is handled and recycled. Examples of waste recovery reports from contracts engaged under PDC’s waste management system are attached in Appendix A.

ROCKDALE RESOURCE RECOVERY CENTRE



As a result of the above process the waste transfer stations typically achieve approximately 85% recycling of material and the balance of 15% is sent to approved landfill.

Site-operations & management of waste process

Site operations will be managed by a full-time Site Manager, in accordance with the Construction Management Plan. This outlines the visual observation & trade contractor management to occur during the demolition and construction of the project.

Materials resulting from demolition will be assessed on site according to material, initially separated into waste bins to assist waste depot sorting before being loaded to trucks for transportation to the waste depot / transfer station for recycling or disposal.

The area for site collection will be cordoned off within the construction site at the school throughout the project. Site access, compounds and storage at all times during the project will remain wholly on site, be clearly sign posted and fenced to ensure the school grounds and neighbouring properties are safely maintained at all times.

Waste Minimisation During Construction Stage

As a result of the proposed method of construction the amount of waste to be generated from the building process will be minimal and mainly consist of off cuts of building products created by the fitting and finishing processes.

Waste removal will occur when each waste container supplied to the site are full and it is expected that this would occur once or twice a week. The location of these bins will vary according to the activities planned for site but as previously noted they will remain within the construction compound at all times.

We have estimated that we will generate approximately 12-15m³ of waste during the construction the new school facility. (Based on Paynter Dixon's company records for waste management of other sites). The expected waste as a result of the development is considered in the table below.

Typical composition of waste materials during construction.

Waste Material	Waste as a Percent of the Total	Approx. m ³ waste material
Metals (i.e. wall, façade and roof framing system off cuts, handrail off-cuts, etc.)	20%	2.4-3.0 m ³
Recycled timber, plasterboard, plastic, cardboard, carpet, vinyl, etc	60%	7.2- 9.0 m ³
Paints / Materials associated with applied finishes	5%	0.6- 0.8 m ³
Non-recyclable materials (associated with onsite staff facilities)	15%	1.8-2.2 m ³
TOTAL	100%	12.0-15.0 m³

Waste avoidance

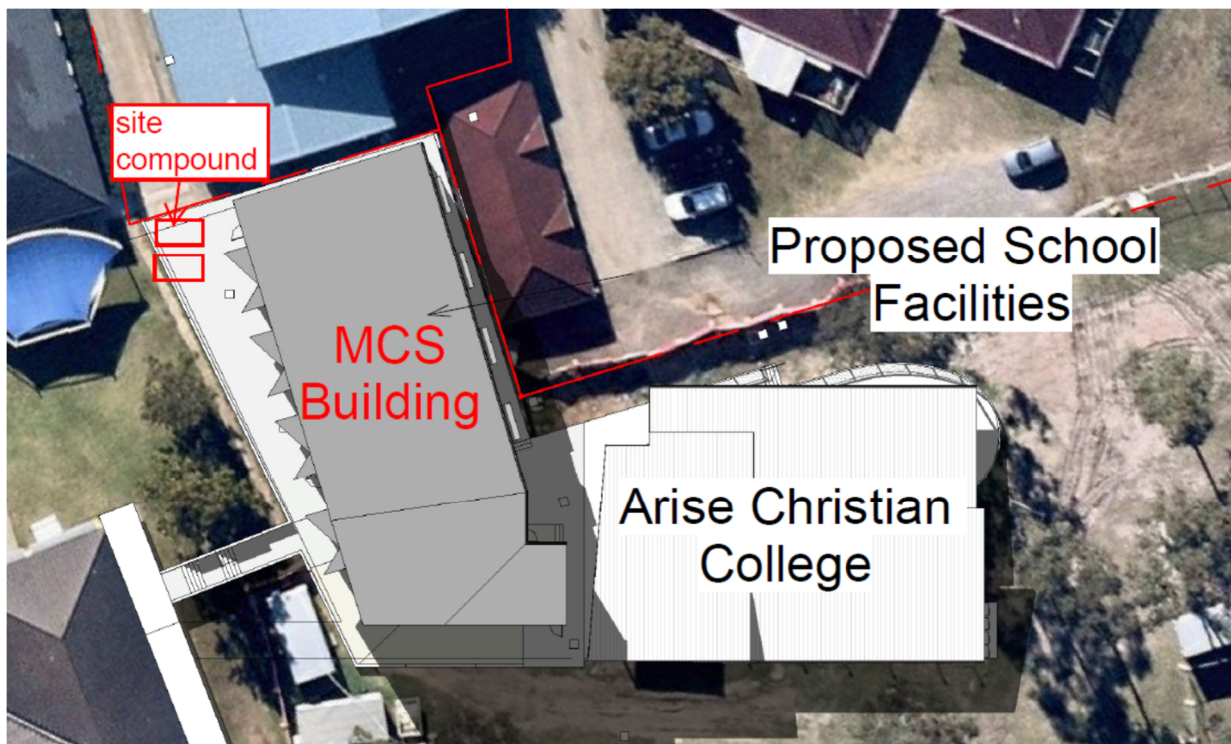
To minimise the generation of waste on site and the subsequent recycling and disposal of waste it is our policy to avoid the generation of waste from the outset. This is done through careful management of materials ordering to ensure the ordered quantities do not reasonably exceed the quantities required to either complete the project or be stored for future maintenance.

Waste separation and storage of re-use and recycling.

During construction waste material will be separated, collected and stored on site in bins for collection by waste contractors. Waste materials collected in bins will be transported to Transfer station.

Site operations will be managed Site Manager through on-going checks and supervision.

The areas for site collection will vary during the construction of the project. Please refer to the site Construction Plan below for identification of waste handling areas:



SECTION 3 - DESIGN OF FACILITY – USE OF SITE

On-going waste management

The on-going management of waste at the school will be maintained by Maitland Christian School under continuing use of existing commercial arrangements. The existing processes and garbage storage areas within the school will remain.

APPENDIX A

Example of Waste Recycling Reports from Contractors engaged by Paynter Dixon Constructions

CHEAP & QUICK WASTE BINS PTY. LTD.



Phone: (02) 9755 2888
Fax: (02) 9755 2005

A.H. (02) 9963 2284

25-27 Governor Macquarie Drive,
Chipping Norton NSW 2170

A.B.N. 25 003 389 442
A.C.N. 003 389 442

31-Oct-18

James.Malonev@paynterdixon.com.au

PAYNTER DIXON CONSTRUCTIONS P/L

Attention Mr. James Maloney
Level 2, 2 Richardson Park
Riverside Corporate Park
NORTH RYDE, NSW 2113

RE : SUMMARY RECYCLING REPORT FOR PERIOD: OCTOBER 2018
O'CONNELL & MACQUARIE STREET PARRAMATTA RSL CLUB

AMOUNT OF RUBBISH TRANSPORTED	VOLUME PER CM	%
54	Equivalent	100 %
TIMBER	15	27.78 %
PLASTIC	10	18.52 %
CONCRETE	15	27.78 %
BRICKS	0	0.00 %
PAPER	0	0.00 %
CARDBOARD	2	3.70 %
PLASTERBOARD	0	0.00 %
GYPROCK	0	0.00 %
SANDSTONE	0	0.00 %
CLAY	0	0.00 %
ASPHALT	0	0.00 %
BITUMEN	0	0.00 %
CARPET	0	0.00 %
METAL	3	5.56 %
SAND	0	0.00 %
INSULATION	0	0.00 %
RUBBISH	9	16.67 %
TOTAL RECYCLABLE	45.00	83.333 %
UNRECYCLABLE	9.00	16.667 %

CHEAP & QUICK WASTE BINS



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A.C.N. 003 389 442

30-Sep-18

James.Malonev@paynterdixon.com.au

PAYNTER DIXON CONSTRUCTIONS P/L

Attention Mr. James Maloney
Level 2, 2 Richardson Park
Riverside Corporate Park
NORTH RYDE, NSW 2113

RE : SUMMARY RECYCLING REPORT FOR PERIOD: SEPTEMBER 2018
O'CONNELL & MACQUARIE STREET PARRAMATTA RSL CLUB

AMOUNT OF RUBBISH TRANSPORTED	VOLUME PER CM	%
45	Equivalent	100 %
TIMBER	15	33.33 %
PLASTIC	6	13.33 %
CONCRETE	15	33.33 %
BRICKS	0	0.00 %
PAPER	0	0.00 %
CARDBOARD	0	0.00 %
PLASTERBOARD	0	0.00 %
GYPROCK	0	0.00 %
SANDSTONE	0	0.00 %
CLAY	0	0.00 %
ASPHALT	0	0.00 %
BITUMEN	0	0.00 %
CARPET	0	0.00 %
METAL	3	6.67 %
SAND	0	0.00 %
INSULATION	0	0.00 %
RUBBISH	6	13.33 %
TOTAL RECYCLABLE	39.00	86.667 %
UNRECYCLABLE	6.00	13.333 %



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25-27 Governor Macquarie Drive,
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A.B.N. 25 903 359 442
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21-Dec-18

James.Moloney@pavnterdixon.com.au

PAYNTER DIXON CONSTRUCTIONS P/L

Attention Mr. James Maloney
Level 2, 2 Richardson Park
Riverside Corporate Park
NORTH RYDE, NSW 2113

RE : SUMMARY RECYCLING REPORT FOR PERIOD: DECEMBER 2018
OCONELL & MACQUARIE STREET PARRAMATTA RSL CLUB

	VOLUME PER CM	%
AMOUNT OF RUBBISH TRANSPORTED	63	100 %
TIMBER	16	25.40 %
PLASTIC	10	15.87 %
CONCRETE	20	31.75 %
BRICKS	1	1.59 %
PAPER	1	1.59 %
CARDBOARD	2	3.17 %
PLASTERBOARD	0	0.00 %
GYPROCK	0	0.00 %
SANDSTONE	0	0.00 %
VEGETATION	0	0.00 %
ASPHALT	0	0.00 %
BITUMEN	0	0.00 %
CARPET	0	0.00 %
METAL	3	4.76 %
SAND	0	0.00 %
INSULATION	0	0.00 %
RUBBISH	10	15.87 %
TOTAL RECYCLABLE	53.00	84.127 %
UNRECYCLABLE	10.00	15.873 %



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30-Nov-18

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PAYNTER DIXON CONSTRUCTIONS P/L

Attention Mr. James Maloney
Level 2, 2 Richardson Park
Riverside Corporate Park
NORTH RYDE, NSW 2113

RE : SUMMARY RECYCLING REPORT FOR PERIOD: NOVEMBER 2018
OCONEILL & MACQUARIE STREET PARRAMATTA RSL CLUB

	VOLUME PER CM	%
AMOUNT OF RUBBISH TRANSPORTED	36	100 %
TIMBER	10	27.78 %
PLASTIC	10	27.78 %
CONCRETE	10	27.78 %
BRICKS	0	0.00 %
PAPER	0	0.00 %
CARDBOARD	0	0.00 %
PLASTERBOARD	0	0.00 %
GYPROCK	0	0.00 %
SANDSTONE	0	0.00 %
CLAY	0	0.00 %
ASPHALT	0	0.00 %
BITUMEN	0	0.00 %
CARPET	0	0.00 %
METAL	0	0.00 %
SAND	0	0.00 %
INSULATION	0	0.00 %
RUBBISH	6	16.67 %
TOTAL RECYCLABLE	30.00	83.333 %
UNRECYCLABLE	6.00	16.667 %