

Catholic Education Diocese of Parramatta

Preliminary Site Investigation:
Proposed Car Park at
2 Darcy Road, Westmead NSW.



ENVIRONMENTAL



WATER



WASTEWATER



GEOTECHNICAL



CIVIL



PROJECT
MANAGEMENT



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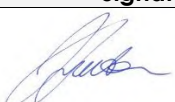
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General Abbreviations

AASS	Actual acid sulfate soil
ABC	Ambient background concentrations
ACM	Asbestos containing material
AEC	Area of environmental concern
AF	Asbestos fines
AMP	Asbestos Management Plan
ANZECC	Australia and New Zealand Environment Conservation Council
ANZG	Australian and New Zealand Governments
ASC NEPM	National Environmental Protection (Assessment of Site Contamination) Measure (2013)
ASS	Acid sulfate soil
ASSMAC	Acid Sulfate Soils Management Advisory Committee
AST	Above ground storage tank
BGL	Below ground level
BH	Borehole
BTEXN	Benzene, toluene, ethylbenzene, xylene, naphthalene
CEMP	Construction Environmental Management Plan
COC	Chain of custody
COPC	Contaminants of potential concern
DA	Development application
DBT	Dibutyltin
DEC	Department of Environment and Conservation
DECC	Department of Environment and Climate Change
DNAPL	Dense non aqueous phase liquid
DP	Deposited Plan
DPI	NSW Department of Primary Industry
DPIW	NSW Department of Primary Industry – Water
DQI	Data quality indicators
DQO	Data quality objectives
DSI	Detailed Site Investigation
EAC	Ecological assessment criteria
EIL	Ecological investigation level
EMP	Environmental Management Plan
EPA	NSW Environmental Protection Authority
EQL	Estimated quantitation limit (interchangeable with PQL and LOR)
ESA	Environmental Site Assessment
ESL	Ecological screening level
FA	Fibrous asbestos
GIL	Groundwater investigation level
HIL	Health investigation level
HM	Heavy metals
HSL	Health screening level
IA	Investigation area
ISQG	Interim Sediment Quality Guideline
ITP	Inspection Testing Plan
LGA	Local government area
LNAPL	Light non aqueous phase liquid
LOR	Limit of reporting (interchangeable with EQL and PQL)
MA	Martens & Associates Pty Ltd
mAHD	Metres, Australian Height Datum
mbgl	Metres below ground level

MBT	Monobutyltin
MNA	Monitored natural attenuation
MPE	Multi phase extraction
NAPL	Non aqueous phase liquid
NATA	National Association of Testing Authorities
ND	No data
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
OCP	Organochloride pesticides
OEH	NSW Office of Environment and Heritage
OPP	Organophosphorus pesticides
PACM	Potential asbestos containing material
PAH	Polycyclic aromatic hydrocarbons
PASS	Potential acid sulfate soil
PCB	Polychlorinated biphenyl
PCEMP	Post Construction Environmental Management Plan
PESA	Preliminary Environmental Site Assessment
PFAS	Per- and polyfluoroalkyl substances
PID	Photoionisation detector
ppb	Parts per billion
ppm	Parts per million
PQL	Practical quantitative limit (interchangeable with EQL and LOR)
PSI	Preliminary Site Investigation
QA/QC	Quality assurance / quality control
RAC	Remediation acceptance criteria
RAP	Remedial Action Plan
HHRA	Human Health Risk Assessment
RPD	Relative percentage difference
SAC	Site assessment criteria
SAQP	Sampling and Analysis Quality Plan
SEPP	State Environmental Planning Policy
SIL	Soil investigation level
SOP	Standard operating procedure
SWL	Standing water level
SWMS	Safe Work Method Statement
TB	Trip blank
TBT	Tributyl tin
TCLP	Toxicity characteristics leaching procedure
TEQ	Toxic equivalency factor
TP	Test pit
TPH	Total petroleum hydrocarbons
TRH	Total recoverable hydrocarbons
TS	Trip spike
UCL	Upper confidence limit
UPSS	Underground petroleum storage system
UST	Underground storage tank
VHC	Volatile halogenated compounds
VOC	Volatile organic compounds
WHS	Work health and safety
WHSP	Work Health and Safety Plan

1 Introduction

1.1 Overview

This report prepared by Martens and Associates Pty Ltd (MA) documents a Preliminary Site Investigation (PSI) with limited soil sampling undertaken on behalf of Catholic Education Diocese of Parramatta (the Client) to support a Development Application (DA) for the proposed car park at 2 Darcy Road, Westmead, NSW ('the site').

The Investigation Area (IA) for this PSI is limited to northeastern portion of the school site, as shown in Attachment A.

1.2 Proposed Development

The proposed development in the IA will consist of a new three level carpark and internal road for seniors drop off.

The proposed development plans are provided in Attachment B.

1.3 Objectives

Investigation objectives include:

- Identification of historic and current potentially contaminating site activities.
- Evaluation of areas of environmental concern (AEC) and associated contaminants of potential concern (COPC) within the IA.
- Assess identified AEC and associated COPC.
- Provide comment on the suitability of the IA for the proposed future use.

1.4 Scope of Works

The scope of works includes:

- Walkover inspection to review current land use, potential contaminating activities and neighbouring land use.
- Site history review using aerial photographs and available historic records.

- Review of NSW EPA notices under the Contaminated Land Management Act (1997).
- Intrusive subsurface investigation and sampling.
- Installation and development of groundwater well to assess groundwater level.
- Preparation of a report in general accordance with the relevant sections of ASC NEPM (2013), NSW OEH (2011) and NSW EPA (2017).

1.5 Reference Guidelines

This assessment was prepared in general accordance with the following guidelines:

- NEPC (1999, amended 2013) National Environmental Protection (Assessment of Site Contamination) Measure. Referred to as ASC NEPM (2013).
- NSW EPA (2017) 3rd Ed. Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme.
- NSW EPA (1995) Sampling Design Guidelines.
- NSW OEH (2011) Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites.

2 Site Background Information

2.1 Site Details

Site information is summarised in Table 1, with the site area and general surrounds plans provided in Attachment A.

Table 1: Site information.

Item	Description / Detail
Site address	2 Darcy Road, Westmead, NSW
Legal identifier	Lot 1 DP1095407
Surveyed area	Site: 8.49 ha (Vince Morgan Surveyors, 2019)
Local Government Area	Parramatta City Council (Council)
Current zoning and land use	Zoned SP2 – Infrastructure (Educational Establishment). Site is currently used for educational purposes.
Site & IA description	The overall school site currently contains three separate schools being the Catherine McAuley Westmead (girls high school) which predominantly occupies the northern part of the site, and the Parramatta Marist High School (boys school) which occupies the eastern part of the site. The Mother Teresa Primary School occupies part of the Catherine McAuley school building in the centre of the site. The southern portion of the site contains open sports fields associated with the Parramatta Marist High School. The existing Brother's residence is located in the north east corner of the site, and an at grade car park occupies the western part of the site, to the north of the sports fields. Collectively, the three schools currently accommodate approximately 2,637 students and 190 staff. The IA consists of Arrupe Place Jesuit Refugee Service, which provides lodging for refugees, driveway and car park.
Surrounding land uses	Westmead Hospital to north and east. Western Sydney University to the south. Existing schools to the west.
Topography	The site is relatively flat with grades < 5%. IA elevation ranges between approximately 19.4 mAHD in the north and 20.4 mAHD in the southeast corner (Vince Morgan Surveyors, 2019).
Geology and soil mapping	The <i>Penrith 1:100,000 Geological Sheet 9030</i> describes site geology as Ashfield Shale, containing dark grey to black claystone siltstone and fine sandstone siltstone laminite. The NSW Environment and Heritage eSPADE website identifies the site as having soils of the shallow to moderately deep hardsetting mottled texture contrast soils, red and brown podzolic soils on crests grading to yellow podzolic soils on lower slopes and in drainage lines.
Surface hydrology	Drainage of the site is via onsite drainage system to the Council stormwater network on Darcy Road.

2.2 Local Meteorology

A summary of local meteorology from the Greystanes (Bathurst Street) Bureau of Meteorology station with rainfall data (station 067017, 2001 to 2019) and temperature data from the Parramatta North (Masons Drive) station (066124, 1967 to 2019) is provided in Table 2.

Table 2: Meteorological data.

Month	Mean Rainfall (mm)	Mean Maximum Temperature (°C)
January	83.8	28.6
February	124.1	27.9
March	99.4	26.3
April	73.6	23.9
May	39.0	20.7
June	88.1	17.8
July	31.1	17.5
August	34.7	19.1
September	40.5	21.7
October	59.9	24.1
November	71.5	25.5
December	70.9	27.6
Annual	854.9	23.4

2.3 Hydrogeology

A review of WaterNSW Real-time Water Databases indicated that there were two groundwater wells within 500 m of the site, with groundwater bores summarised in Table 3.

Table 3: Available hydrogeological information.

Bore Identification	Record Date	Intended Use	Standing Water Level (mbgl)	First Water Bearing Zone (mbgl) and Substrate	Distance and Direction from IA
GW108378	2016	Industrial	N/A	23 – 24	200 m northeast
213005	-	Unknown	N/A	-	300 m northwest

Intrusive subsurface investigation only encountered groundwater seepage for one borehole (BH113) at 3.5 mbgl during borehole drilling.

One monitoring well was constructed (BH112 / MW102) within the IA. Groundwater was measured at 3.2 mbgl using an electronic dip meter 20 days after well installation.

3 Site Contamination Assessment

3.1 Council Historical Site Records

Ten historical development and building records were held by Council for the school site. Details are summarised in Table 4 and records in Attachment H.

Table 4: Available Council records.

Lot ID	Year	Record Number	Description
Lot 1 DP1095407	1985	T332/85	Proposed school and storeroom.
Lot 1 DP1095407	1991	DA/24732/1991	Erection of gymnasium / hall.
Lot 1 DP1095407	1992	DA/6186/1992	Erection of two mountable temporary demountable classrooms at Parramatta Marist High School.
Lot 1 DP1095407	1992	T89/92	Addition to school – classroom relocation.
Lot 1 DP1095407	1992	T329/92	Indoor sporting complex and assembly hall.
Lot 1 DP1095407	1993	T677/93	School canteen.
Lot 1 DP1095407	2007	CC/714/2007	All weather shelter for playground.
Lot 1 DP1095407	2010	CC451/2010	Construction of new three storey classroom, administration building on ground car parking and associated services
Lot 1 DP1095407	2011	CC/388/2011	Building infill and fitout works to level 2 of Stage 1 Building B, Catholic Education Precinct Westmead.
Lot 1 DP1095407	2011	CC/279/2011	WCC precinct, Stage 1 Building A – Proposed refurbishment of three classrooms I Black A into one classroom and a hospitality teaching kitchen.

3.2 NSW EPA Records

No sites within 500 m of the IA, were identified on the list of NSW contaminated sites notified to the EPA as required by the Contaminated

Land Management Act (1997) and the Environmentally Hazardous Chemicals Act (1985).

No sites within 500 m of the IA, were listed on the EPA public register, which lists licences, notices penalty notices and convictions, as required under the Protection of the Environment Act (1997).

Neighbouring service stations, mechanics and dry cleaners have the potential to contaminate groundwater at the site. One potential contaminating activity within 500 m of the site is summarised in Table 5.

Table 5: Potentially contaminating activities.

Business Activity	Address	Approximate Distance From Site Boundary	Direction From Site	Gradient From Site
Dry Cleaners – Epic Dry Cleaning & Laundry	Shop 1/24 Railway Parade, Westmead, NSW 2145	274 m	Southeast	Up gradient

Due to the distance from the site, the above location is not expected to have impacted near surface soils at the site.

3.3 Aerial Photograph Review

Aerial photographs taken of the site between 1930 and 2019, were reviewed to investigate historical site land uses (Table 4). Copies of aerial photographs are provided in Attachment C.

The aerials indicated that the IA was mostly cleared w scattered trees before 1930 and the current site structures were constructed between 1961 and 1970.

Table 6: Aerial photograph observations from 1930 to 2019.

Year	IA Activity	Remaining School and Surrounding Land Use
1930 ¹	IA was predominantly cleared with scattered trees.	Surrounding land was rural to the north, and low density residential to the south and southeast.
1943	Little to no change from previous.	Market gardens to the south and increase in low density residential to the south. University of Western Sydney Westmead Campus to the southeast under construction. Paceway constructed to the northeast.

Year	IA Activity	Remaining School and Surrounding Land Use
1955	All trees in IA removed.	Sheds constructed in southeastern portion of the site and trees cleared. Significant increase in low density residential density to the south and southeast.
1961	Little to no change from previous.	Sheds were on the school site to south of IA, otherwise little to no change from previous.
1970	Existing H-shaped building and carpark constructed. Small shed in northeast of IA.	Current school buildings in central and eastern portions under construction, pool in southeast of school site. Filling / earthworks activities in southwest portion. Industrial developments to the north under construction
1975	Little to no change from previous.	Additions to school development in central and east portions, and earthworks observed in northwest portion. Redbank School under construction to the northeast. Earthworks observed to the northeast in the location of the previous paceway. Sports field constructed to the south.
1986	Little to no change from previous.	Further alterations and additions to schools in central and east portions. Tennis courts and units constructed to the west. Increase in low density residential to the northwest. Construction of Westmead Hospital to the northeast of the site.
1991	Little to no change from previous.	Tennis courts constructed in northwest portion, and further alterations and additions to schools in central and east portions. Construction of car park for University of Western Sydney Westmead Campus to the east.
1994	Little to no change from previous.	Further alterations and additions to school developments in central and east portions.
2002	Small shed in NE corner removed, otherwise little to no change from previous.	Buildings (possibly demountable classrooms) constructed in the south portion. Construction of Westmead Private Hospital to the northwest. Earthworks to the southwest.
2004	Little to no change from previous.	Earthworks finished to the southwest. Construction of apartments to the southwest.

Year	IA Activity	Remaining School and Surrounding Land Use
2009	Little to no change from previous.	Additions and alterations to buildings across the site. Internal access roads constructed to the southwest.
2013	Little to no change from previous.	Synthetic sports field constructed in the northwest. Construction of buildings to the southeast. Car park constructed southwest. Basketball courts constructed to the south.
2016	Little to no change from previous.	Construction of Westmead Hospital car park. Earthworks to the east and southeast.
2019	Little to no change from previous.	Little to no change from previous.

Notes

¹. Denotes poor image quality.

3.4 Site Walkover Inspection

Observations during the site walkover inspections undertaken between 8 and 18 January 2020, are as follows:

- The IA consisted of:
 1. A building for refugee lodging in the central portion;
 2. Driveway in the east portion;
 3. Car park in the west portion.
- The IA was bounded by:
 1. Darcy Road to the north;
 2. Parramatta Marist High Schools to the west and south;
 3. Car park to the southwest;
 4. Unused fill pad to the east, which was connected to Western Sydney University (Westmead) which was currently under construction.
- The IA drained via overland flow towards the north to Darcy Road.
- A potential vent pipe for a possible UST was below the existing refugee centre on eastern side. The location of a UST was

supported by anecdotal evidence from the service locator and workers on site.

- o No other obvious signs of contamination (i.e. PACM, soil staining, odours) were noted across the surface of the IA.

3.5 Areas of Environmental Concern/Contaminants of Potential Concern

Our assessment of site AEC and COPC (Table 7) for the IA is made on the basis of available site history, aerial photograph interpretation, site walkover and geotechnical drilling (MA, 2020). A figure showing locations of identified AEC, is provided in Attachment A.

Table 7: Areas of environmental concern and contaminants of potential concern.

AEC	Potential for Contamination	COPC
AEC A Fill (entire site)	Fill from unknown sources has the potential to add contamination including hydrocarbons, heavy metals, pesticides and asbestos.	HM, TRH, BTEXN, PAH, OCP / OPP and asbestos
AEC B Existing buildings	Pesticides and heavy metals may have been used for pest control. Building construction may include PACM, zinc treated (galvanised) metals, and / or lead based paints. Storage of hydrocarbons (fuel) may have occurred in former sheds.	HM, OCP / OPP and asbestos (plus TRH, BTEXN, PAH for shed)
AEC C Potential UST	Potential UST adjacent to existing building, may have introduced hydrocarbons through spills or leaks.	HM, TRH, BTEXN, PAH and phenol.

3.6 Conceptual Site Model

A conceptual site model based on the COPC identified in this PSI, and the associated exposure pathways to potential receptors, is summarised in Table 8.

Table 8: Conceptual site model.

COPC	Pathway	Exposure Route	Receptor
HM PAH OCP / OPP	Leaching of contaminants through the soil profile. Transport of contaminants via air (dust). Transport of contaminants by mechanical disturbance (e.g. earthworks). Biomagnification and / or bioaccumulation along food chains.	Direct contact with contaminants. Ingestion of contaminants. Ingestion of food grown or reared in contaminated areas. Inhalation of contaminated media (e.g. vapour, dust).	<u>Possible Human Receptors</u> Current or future site users such as residents, visitors and workers. On and off-site construction or maintenance workers. Current or future users of surrounding residences, reserves, and commercial or industrial premises. <u>Possible Environmental Receptors</u> Flora and fauna that may inhabit or migrate through the site.

COPC	Pathway	Exposure Route	Receptor
TRH / BTEXN	As above plus: Volatilisation to air (vapour).	As above, plus: Inhalation of contaminate (e.g. vapour).	Contaminant pathway / sink areas. Groundwater environments beneath, or in the vicinity of, the site.
Asbestos	Transport of contaminants via air and inhalation of particles. Transport of contaminants by mechanical disturbance (e.g. earthworks). Transport of particles on clothing.	Inhalation of contaminated media (e.g. dust).	<u>Possible Human Receptors</u> Current or future site users. On and off site construction or maintenance workers. Current or future users of surrounding residences, reserves, and commercial or industrial premises.

4 Sampling, Analytical and Quality Plan

A Sampling Analytical and Quality Plan (SAQP) was developed to ensure that data collected for the PSI with limited soil sampling is representative and provides a robust basis for site assessment decisions. Preparation of the SAQP was completed in general accordance with ASC NEPM (2013) methodology and includes:

- Data quality objectives (DQO).
- Data quality indicators (DQI).
- Sampling methodologies and procedures.

Field screening methods:

- Sample handling, preservation and storage procedures.
- Analytical QA / QC.

The following sections summarise the DQO, DQI and QA / QC.

4.1 Data Quality Objectives

DQO were prepared as statements specifying qualitative and quantitative data required to support project decisions. DQO were prepared in general accordance with NSW EPA (2017), EPA (2014) and NEPM (2013) guidelines, and are presented in Table 9.

Table 9: Data quality objectives.

Step 1 Stating the Problem	This PSI identified potential contaminants that might be accessible to human and environment receptors during construction and operation of the proposed car park. This PSI provide a preliminary assessment of risk posed by COPC in the identified AEC to receptors.
Step 2 Identifying the Decision(s)	To assess the suitability of the site for future land use, decisions are to be made based on the following questions: - o What is the contaminant exposure pathway? - o Has previous or current site use impacted the IA that may pose a risk to humans or the environment for future land use? - o Does the IA require additional investigations, remediation or management prior to constructing the proposed development?
Step 3 Identification of Inputs to the Decision	The inputs to the assessment include: - o Soil sampling at nominated locations across the IA. - o Laboratory analytical results for relevant COPC. - o Assessment of analytical results against site suitable guidelines.
Step 4 Study Boundary Definitions	Study boundaries are as follows: - o Lateral – Lateral boundary of the assessment is defined by the investigation area boundary. - o Vertical – Vertical boundary is governed by the maximum depth reached during subsurface investigations. - o Temporal – One round of soil sampling has been undertaken at this stage.
Step 5 Development of Decision Rules	The decision rule for this investigation is as follows: If the concentration of contaminants exceeds the adopted assessment criteria, a risk assessment is required. Should the risk be unacceptable, further investigations to remediate and / or manage the onsite impacts, in relation to the proposed development, will be undertaken.
Step 6 Specification of Limits on Decision Errors	Guidance found in ASC NEPM (2013) Schedule B2 regarding 95% upper confidence limit (UCL) states that the 95% UCL of the arithmetic mean provides a 95% confidence level that the true population mean will be less than or equal to this value. Therefore a decision can be made based on a probability that 95% of the data collected will satisfy the site acceptance criteria. A limit on decision error will be 5% that a conclusive statement may be incorrect.
Step 7 Optimisation of Sampling Design	Proposed sampling locations shall provide even coverage across the site in the identified AEC. Sampling shall attempt to ensure that critical locations are assessed, sampled, and analysed for appropriate contaminants of concern. Soil sampling locations were set subject to site access and the requirement of the geotechnical report. Location were selected using a combined judgemental and grid pattern across the IA.

4.2 Data Quality Indicators

In accordance with NSW EPA (2017), the investigation data set has been compared with DQI outlined in Table 10 to ensure that collected data meets the project needs and that DQO has been met.

Table 10: Data quality indicators.

Assessment Measure (DQI)	Comment
Precision – A measure of the variability (or reproducibility) of data.	Precision is assessed by reviewing blind field duplicated sample set through the calculation of the relative percent difference (RPD). Data precision is deemed acceptable where results are 0 - 10 x EQL or where RPDs <50% (10 - 30 x EQL) or <30% (>30 x EQL). Exceedance of this range may still be considered acceptable where heterogeneous materials are sampled.
Accuracy – A measure of the closeness of reported data to the “true value”.	Data accuracy is assessed by: - o Field spikes and blanks. - o Laboratory control samples.
Representativeness – The confidence that data are representative of each media present on the site.	To ensure data representativeness the following field and laboratory procedures are followed: - o Ensure that the design and implementation of the sampling program have been completed in accordance with MA standard operating procedures (SOP). - o Trip blank and trip spike samples shall be used for volatiles during field sampling to ensure no cross contamination or laboratory artefacts. - o Ensure that all laboratory hold times are met and that sample handling and transport are completed in accordance with the MA SOP.
Completeness – A measure of the amount of usable data from a data collection activity.	To ensure data set completeness, the following is required: - o Confirmation that all sampling methodology was completed in general accordance with the MA SOP. - o COC and receipt forms. - o Results from all laboratory QA / QC samples (lab blanks, trip blank and trip spike, lab duplicates). - o NATA accreditation stamp on all laboratory reports.
Comparability - The confidence that data may be considered to be equivalent for each sampling and analytical event.	Data comparability is maintained by ensuring that: - o All site sampling events are undertaken following methodologies outlined in MA SOP and published guidelines. - o NATA accredited laboratory methodologies shall be followed on all laboratory analysis.

4.3 Methodology and Quality Assurance / Quality Control

Site investigation and soil sampling methodology as shown in Table 11, was completed to meet the project DQO.

Table 11: Investigation and sampling methodology.

Activity	Detail / Comments
Fieldworks	Surface and subsurface soil investigations were completed between 8 and 18 January 2020 and involved: ○ Excavation of eight boreholes in conjunction with the geotechnical assessment (BH112-119) using a 4wd mounted drill rig to a maximum investigation depth of 8.6 mbgl (BH115). ○ Installation and development of one groundwater monitoring well (MW102) to assess groundwater levels. ○ Collection and analysis of representative soil samples. ○ Collection of three QA / QC samples for laboratory analysis. Borehole and groundwater well locations are shown in Attachment A and borehole logs are provided in Attachment C.
Soil sampling	Soil sampling was completed by the MA environmental consultant using a clean pair of nitrile gloves for each sample. Samples were collected from the end of the clean lead auger or from split spoon sampling. Each sample was placed into a laboratory supplied, 250 mL glass jar with no headspace to limit volatile loss and labelled with a unique identification number.
QA / QC sampling	QA samples were collected for the initial investigation as follows: ○ Two soil duplicate samples were collected for intra laboratory analysis and one soil duplicate sample was collected for inter laboratory analysis during the investigation. ○ One soil trip blank and one trip spike sample were used during soil sampling.
Sample handling and transport	Sample collection, storage and transport were conducted according to MA SOP. Collected soil samples were placed immediately into an ice chilled cooler box. Samples were dispatched to NATA accredited laboratories under chain of custody documentation within holding times.

4.4 Laboratory Analytical Suite

Laboratory analysis was carried out by Envirolab Pty Ltd a NATA accredited laboratory. Summary of laboratory analyses is summarised in Table 12. Laboratory chain of custody documentation are provided in Attachment G.

Table 12: Summary of soil laboratory analyses.

COPC	Primary Samples Analysed	QA/QC Samples Analysed
BTEXN	5	1 trip spike
TRH	5	1 trip blank
PAH	5	
Heavy metals ¹	5	3 duplicates
OCP / OPP	4	
PCB ²	4	
Asbestos in soil	4	

Notes

¹Heavy metals – arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc.

²While PCB was not a COPC, it was analysed as part of the laboratory suite.

5 Site Assessment Criteria

The site assessment criteria (SAC) adopted for this PSI are listed in Table 13 and derived from the ASC NEPM (2013).

Table 13: Site assessment criteria.

Media	Adopted Guidelines	Applicability
Soil	ASC NEPM (2013)	<u>Health investigation levels (HIL)</u> HIL A – Residential was adopted based on the proposed land use. <u>Health screening levels (HSL)</u> HSL A – Residential land use for sand was adopted based on granular fill material as a conservative measure. <u>Ecological Investigation Levels (EIL)</u> EILs were derived from methodology from ASC NEPM (2013) for the protection of terrestrial ecosystems for urban residential areas and public spaces. For this assessment, conservative site specific EIL values were adopted based on pH 4 and CEC of 5 mol/kg. <u>Ecological Screening Levels (ESL)</u> ESL A – Residential use, coarse soil. <u>Management Limits</u> Residential land use, coarse soil. <u>Asbestos</u> Assessed on a detect / non detect basis.

6 Results

6.1 Field Observations

6.1.1 General Observations

Initial field investigations and site walkover observations were undertaken between 8 January 2020 and 18 January, 2020. All locations were examined for signs of contamination (odours, staining etc.) during drilling works. The following observations were made during intrusive investigations:

- Anthropogenic materials (brick, tile and concrete), was observed within the fill profile for BH112.
- No PACM, staining or odours indicating contamination were noted within the soil profile.

6.1.2 Soil Conditions

Subsurface conditions generally consisted of:

- Fill was observed in all borehole locations up to 1.3 mbgl (BH113);
- Residual soils were observed up to investigation depths of 1.25 mbgl (BH115).

Borehole locations are shown on the sampling plan in Attachment A and borehole logs are provided in Attachment C.

6.1.3 Groundwater Conditions

Seepage was encountered in one borehole at 3.5 mbgl (BH113) during auger drilling.

One monitoring wells was installed during intrusive investigations, one within the IA (BH112) with a well depth of 7.2 mbgl. As this BH was cored as part of the geotechnical investigation, seepage level during drilling could not be observed due to drilling fluids.

Groundwater in MW102 was measured at 3.2 mbgl using an electronic dip meter 20 days after well installation.

The monitoring well location is shown on the sampling plan in Attachment A and construction details are provided in the borehole logs in Attachment C.

6.2 Analytical Results

The following sections summarise the results of laboratory analysis. Detailed tabulated results showing individual sample concentrations compared to the adopted SAC are available in Attachment E. Laboratory analytical documentation is available in Attachment G.

6.2.1 Soil Results

Laboratory analytical results are summarised in Table 14.

Table 14: Summary of soil analytical results.

Analyte	Results Compared to SAC
Heavy metals	<u>HIL</u> All results below the SAC. <u>EIL</u> All results below the SAC
TRH/BTEXN	<u>HSL</u> All results below the SAC. <u>ESL</u> All results below the SAC.
OCP/OPP	<u>HIL</u> All results below the SAC.
PAH	<u>HIL</u> All results below the SAC. <u>HSL</u> All results below the SAC. <u>ESL</u> All results below the SAC.
Asbestos in soil	No asbestos detected.

6.2.2 Data QA / QC

Field QA / QC data was collected as per the SAQP. A review of QA / QC procedure has been completed and is presented in the data validation report in Attachment F.

The report concludes that data is suitable for the purposes of the assessment.

7

Discussion

This PSI was undertaken to provide a preliminary assessment of the site's suitability as a car park as detailed in the DA. It has been conducted in general accordance with the project SAQP.

The PSI walkover noted a potential UST adjacent to the existing building, and site filling across the entire IA. Site filling was confirmed through borehole drilling, with fill observed up to 1.3 mbgl. Further investigation will be required to confirm the potential of the UST (possibly with the use of ground penetrating radar by a service locator).

Based on site walkover and review of site history assessment, the following AEC and COPC were assessed:

- AEC A: Fill – asbestos, HM, OCP / OPP, TRH, BTEXN, PAH.
- AEC B: Existing building – asbestos, HM, OCP / OPP; plus TRH, BTEXN, PAH for shed.
- AEC C: Potential UST – TRH, BTEXN, PAH and phenols.

It should be noted that soil sampling was limited to external areas surrounding the existing building where access for a drill rig was available. Sampling locations were also guided by the requirement of MA's geotechnical investigation (MA, 2020) and have not met the number of sampling points as stated in Table A of NSW EPA (1995) Sampling Design Guidelines.

As a result, areas of fill not assessed as part of this PSI, the existing building footprint, and the potential UST are identified as data gaps for the purpose of this report.

The following observations with regard to contamination on the site were recorded during intrusive subsurface investigations:

- Anthropogenic materials, such as bricks, tiles and concrete, were observed within the fill profile at one borehole location.
- No PACM, staining or odours indicating contamination were noted within the soil profile.

Laboratory analytical results (Envirolab report 234892) indicated that all soil results were less than the adopted SAC. Based on testing to date, fill material is unlikely to pose a significant contamination risk to receptors, however presence of builders rubble in one borehole means risk of ACM being present in this location is elevated.

One monitoring well was installed during intrusive investigations, (BH112 / MW102) to a depth of 7.2 mbgl. Groundwater in the well was measured at 3.2 mbgl using a dip meter. Seepage was only encountered in one other borehole at 3.5 mbgl (BH113) during borehole drilling. Groundwater is not expected to be contaminated, however should dewatering be required to facilitate the proposed development, testing should be undertaken to support an aquifer interference licence application at Construction Certificate stage.

8 Conclusions and Recommendations

Overall, the site is considered to generally have a low risk of localised or broadscale contamination in the IA.

Due to limitations in sampling density and location as part of this PSI, we recommend that an additional site walkover and sampling be undertaken following demolition of structures in the IA. This shall address the identified data gaps (existing building footprint, areas of fill, and potential UST) to ensure testing densities comply with NSW EPA (1995) requirements.

If any unexpected finds (such as UST, PACM, odours or soil staining) are encountered during site works, the unexpected find will require assessment by MA. An unexpected finds protocol is to be prepared prior to construction to guide this process.

Where any soil material is to be removed from site, a formal waste classification assessment shall be required in accordance with the NSW EPA Waste Classification Guidelines (2014).

This PSI with limited soil sampling was undertaken in accordance with current industry standards.

It is important to note that no land contamination study can be considered to be a complete and exhaustive characterisation of a site nor can it be guaranteed that any assessment shall identify and characterise all areas of potential contamination or all past potentially contaminating land uses. This is particularly the case where onsite filling has occurred. Therefore, this report should not be read as a guarantee that only contamination identified shall be found on the site. Should material be exposed in future which appears to be contaminated, additional testing may be required to determine the implications for the site.

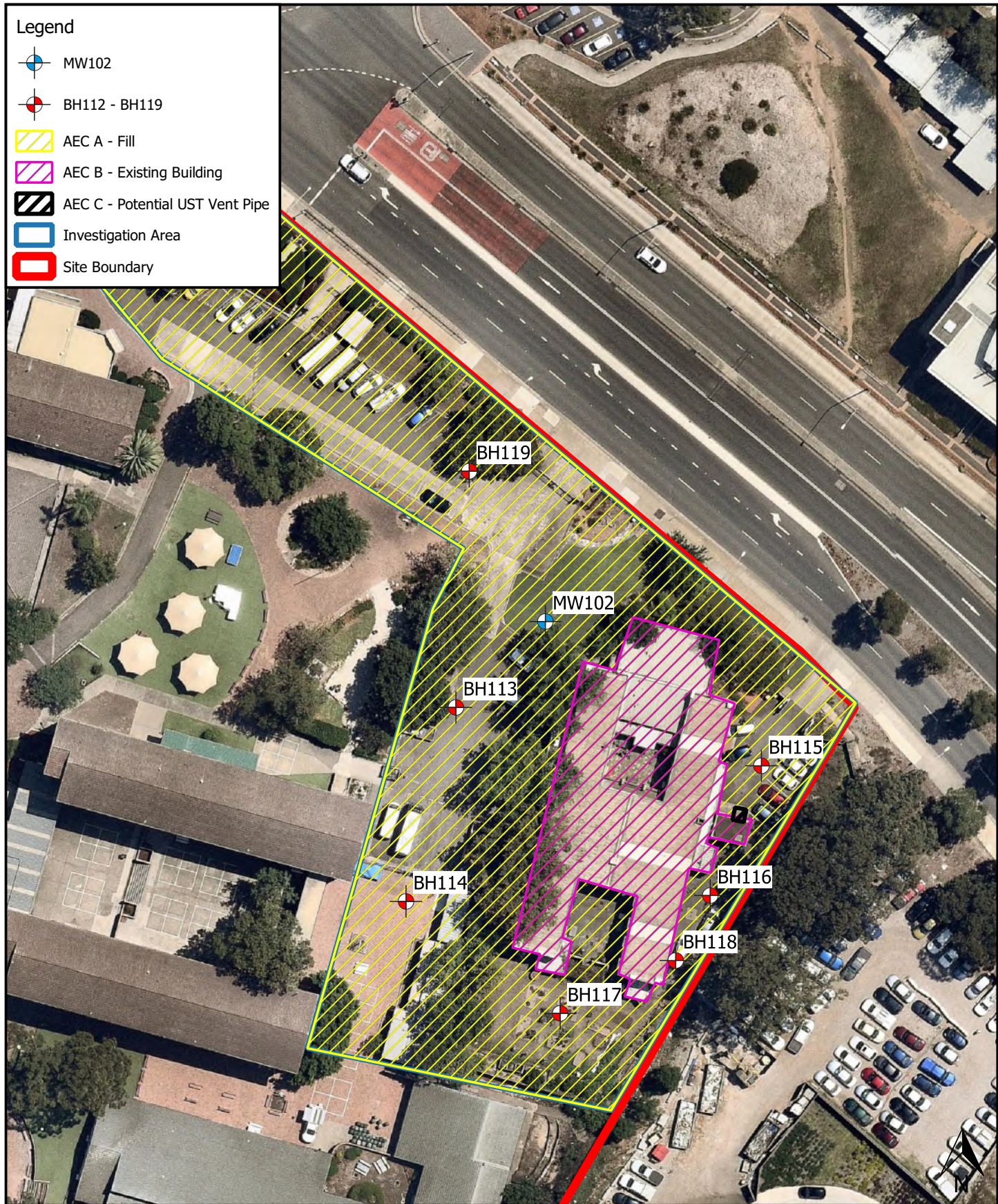
Martens & Associates Pty Ltd has undertaken this assessment for the purposes of assessing potential site contamination. No reliance on this report should be made for any other investigation or proposal. Martens & Associates Pty Ltd accepts no responsibility, and provides no guarantee regarding the characteristics of areas of the site not specifically studied in this investigation.

10 References

- Alleanza Architecture (2020) *Westmead Catholic Community*. Project No. 19122, Sheet No. CP-DA-100, Issue. P4.
- Martens and Associates Pty Ltd (2020) *Geotechnical Assessment: 2 Darcy Road, Westmead, NSW*. Ref. P1907547JR03V01.
- Nearmap – Aerial photographs (2020).
- NEPC (1999, amended 2013) *National Environmental Protection (Assessment of Site Contamination) Measure*. Referred to as ASC NEPM (2013).
- NSW EPA (2017) *3rd Ed. Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme*.
- NSW EPA (1995) *Contaminated Sites: Sampling Design Guidelines*.
- NSW Department of Environment & Heritage (eSPADE, NSW soil and land information), www.environment.nsw.gov.au.
- NSW Department of Mineral Resources (1991) *Penrith 1:100,000 Geological Sheet 9030*.
- NSW Land and Property Information (LPI) - Aerial photographs.
- NSW OEH (2011) *Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites*.
- State Environmental Planning Policy No. 55 – *Remediation of Contaminated Land*.
- Vince Morgan Surveyors (2019) *Detail & Contour Survey*. Plan No. 16147 – T15.

Attachment A: Site Plans





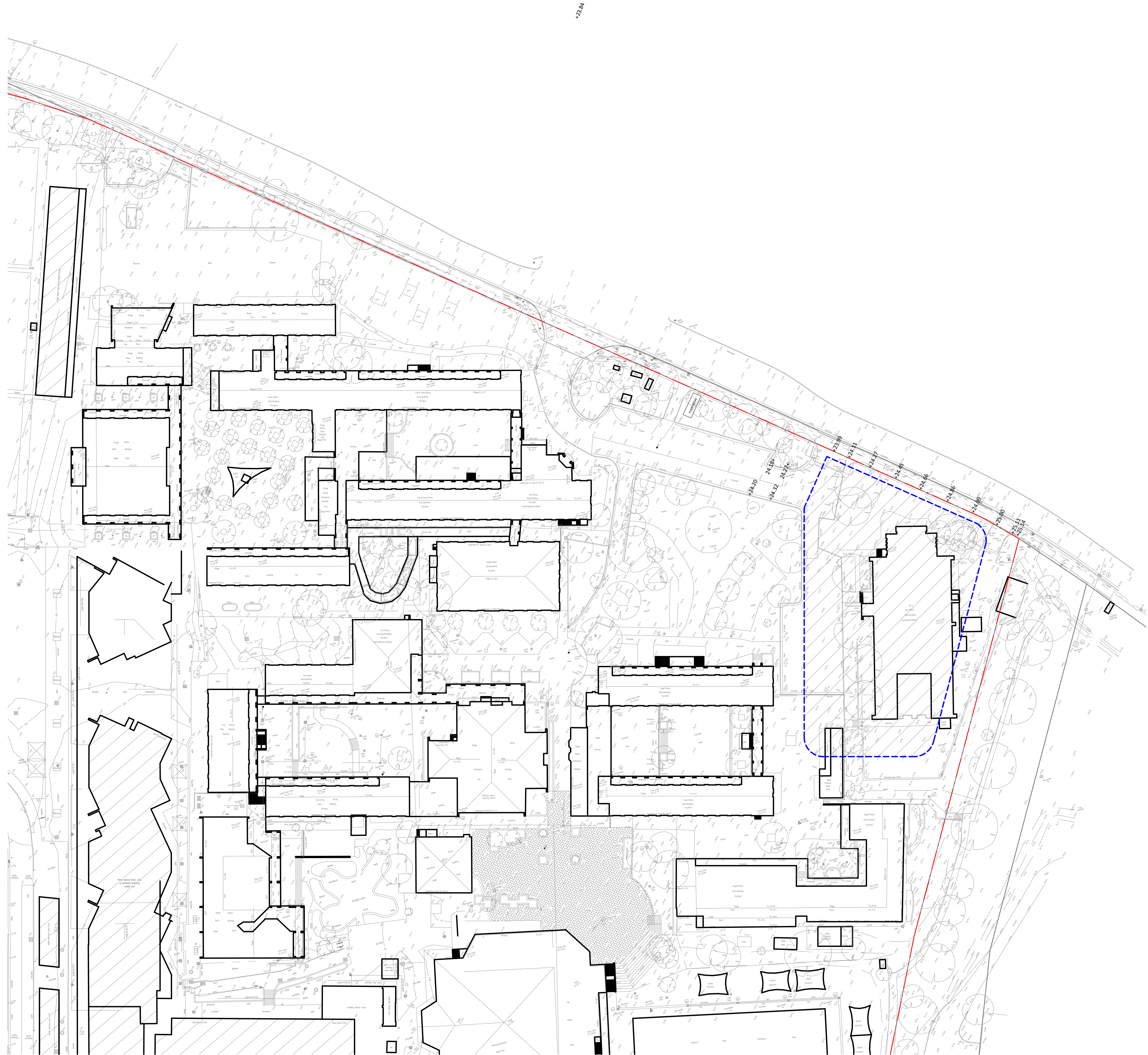
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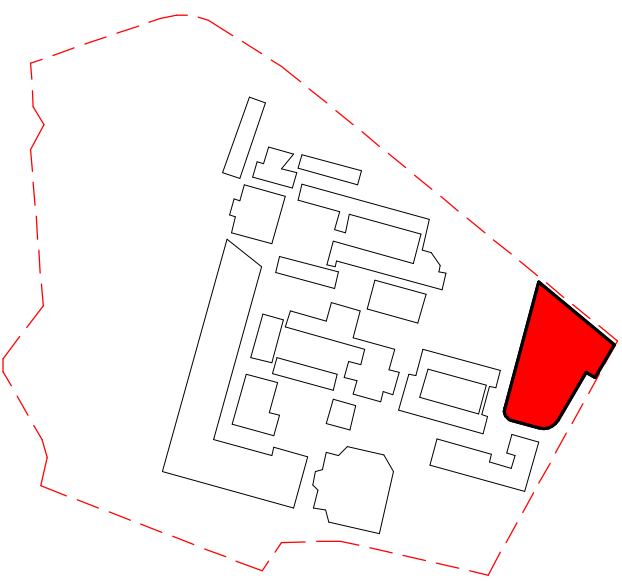
Map Title / Figure:

AEC and Sampling Locations

Attachment B: Proposed Development Plans



+23.84



KEY PLAN CAR PARK

DEVELOPMENT APPLICATION SUBMISSION	LB	31.03.2020	A
subject	p.a	date	issue

architect
ALLEANZA
ARCHITECTURE

Nominated Architect: Charles Glanville, NSW Registration No. 3130

project
Westmead Catholic Community

address
Darcy Road, Westmead

client
**Catholic Education Diocese
of Parramatta**

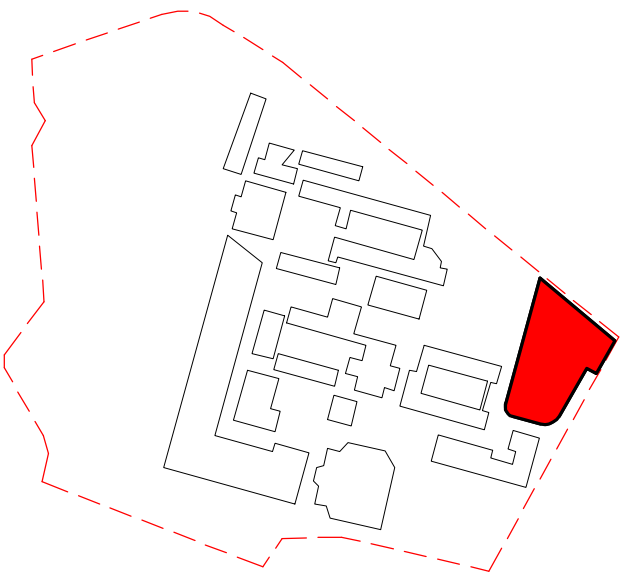
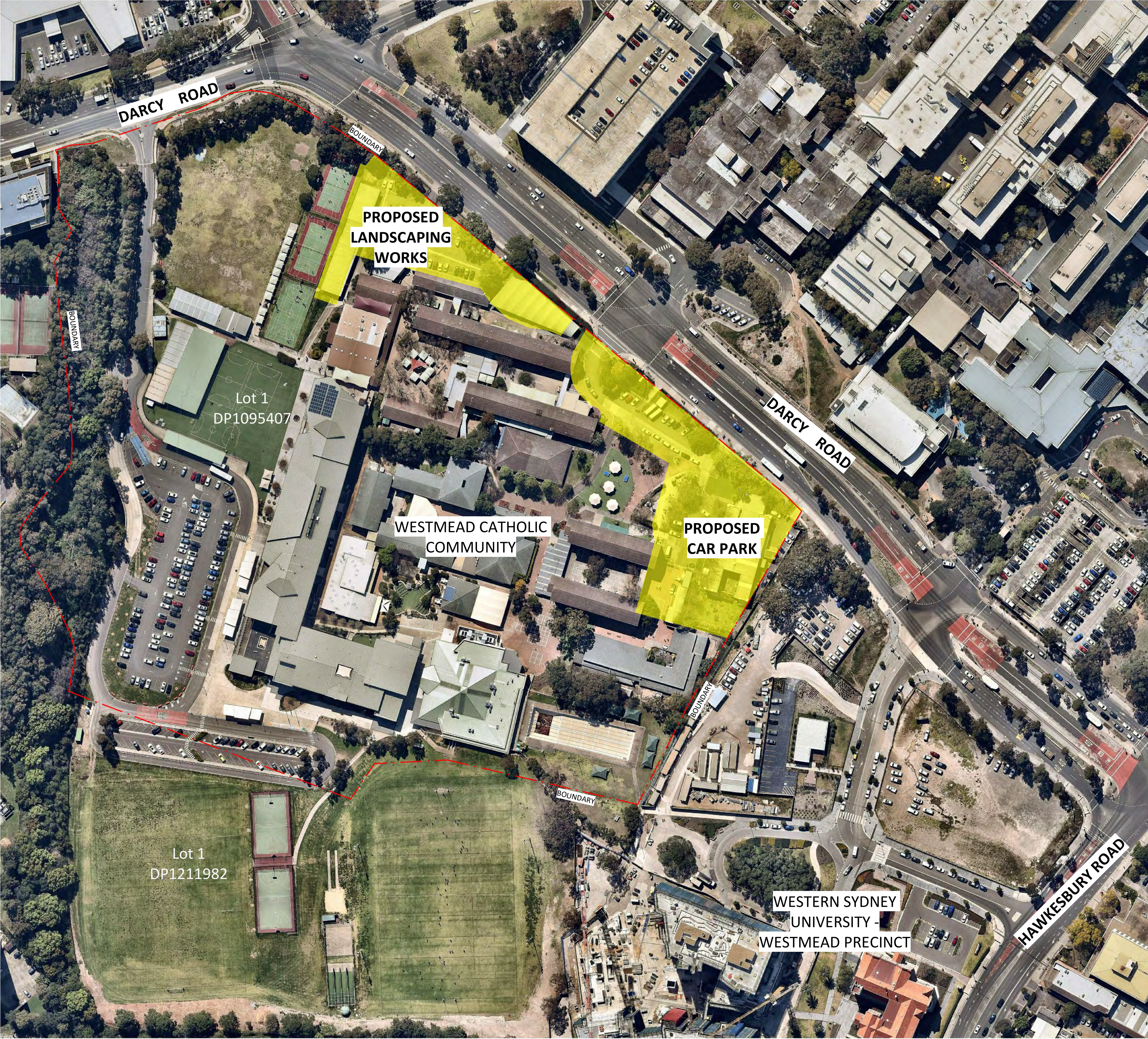
DEVELOPMENT APPLICATION

drawn:	NX
checked:	LB
verified:	CG
sheet size:	A1
scale:	1 : 500

0 10 25 40m

SITE SURVEY - CAR PARK AREA
sheet

19122 **CP-DA-900** **A**
project_no. sheet_no. issue



KEY PLAN CAR PARK

DEVELOPMENT APPLICATION SUBMISSION	LB	31.03.2020	A
subject	p.a	date	issue
architect			

ALLEANZA
ARCHITECTURE

Nominated Architect: Charles Glanville, NSW Registration No. 3130

project
Westmead Catholic Community

address
Darcy Road, Westmead

client
Catholic Education Diocese
of Parramatta

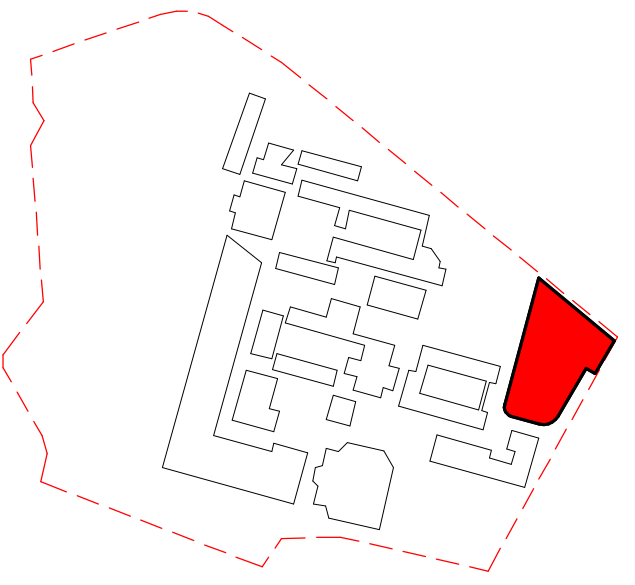
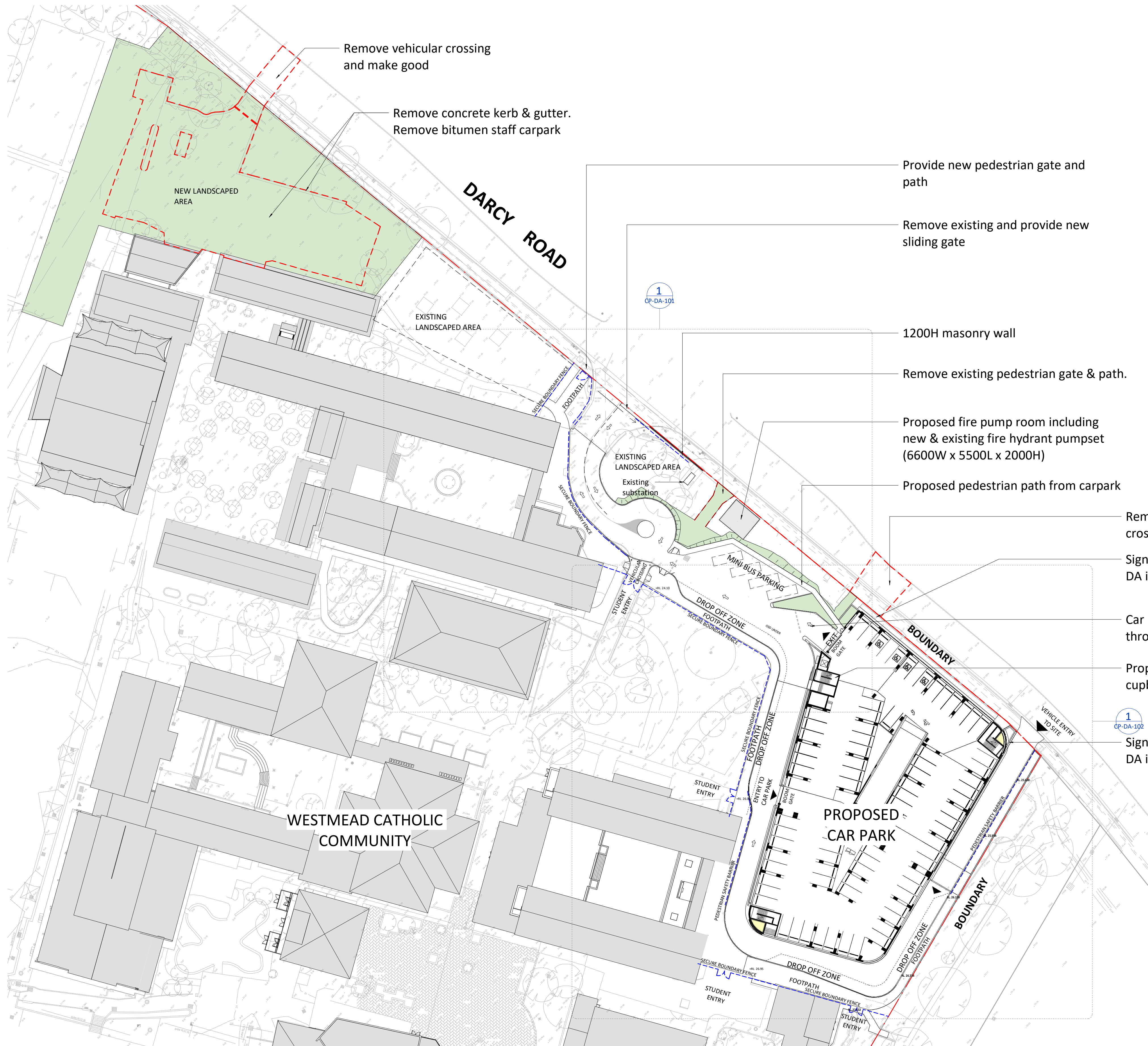
DEVELOPMENT APPLICATION

drawn:	NX
checked:	LB
verified:	CG
sheet size:	A1
scale:	1 : 1000



LOCATION PLAN
sheet

19122	CP-DA-000	A
project_no.	sheet_no.	issue



KEY PLAN CAR PARK

DEVELOPMENT APPLICATION SUBMISSION	LB	31.03.2020	A
subject	p.a	date	issue
architect			



Nominated Architect: Charles Glanville, NSW Registration No. 3130

project
Westmead Catholic Community

address
Darcy Road, Westmead

client
Catholic Education Diocese
of Parramatta

DEVELOPMENT APPLICATION

drawn:	NX
checked:	LB
verified:	CG
sheet size:	A1
scale:	1 : 500



SITE PLAN
sheet

19122	CP-DA-001	A
project_no.	sheet_no.	issue

Attachment C: Aerial Photographs



ATTACHMENT B

Historical Imagery



LIR-01057 Aerial Photograph 1930.17.12.2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1930



MAP 11





LUR-01057 Aerial Photograph 1943 17 12 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1943



MAP 12





LUR-01057 Aerial Photograph 1955 17 12 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1955



MAP 13





HISTORIC AERIAL PHOTOGRAPH - 1961



HISTORIC AERIAL PHOTOGRAPH - 1970



HISTORIC AERIAL PHOTOGRAPH - 1975



MAP 16





LIR-01057 Aerial Photograph 1986 17 12 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1986



MAP 17





LUR-01057 Aerial Photograph 1991 17 12 2019. Data sources: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1991



MAP 18





LUR-01057 Aerial Photograph 1994. 17 12 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1994



MAP 19





LUR-01057 Aerial Photograph 2002 17 12 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2002



MAP 20





LUR-01057 Aerial Photograph 2004.17.12.2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2004



MAP 21





LUR-01057 Aerial Photograph 2009.17.12.2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2009



MAP 22





LUR-01057 Aerial Photograph 2013 17 12 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2013



MAP 23





LIR-01057 Aerial Photograph: 2016.17.12.2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2016



MAP 24





LUR-01057 Aerial Photograph 2019.17.12.2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2019



MAP 25



Attachment D: Borehole / Monitoring Well Logs

CLIENT	Catholic Education Diocese of Parramatta	COMMENCED	14/01/2020	COMPLETED	14/01/2020	REF BH112 Sheet 1 OF 2 PROJECT NO. P1907547	
PROJECT	Geotechnical Investigation	LOGGED	DI	CHECKED	RE		
SITE	2 Darcy Rd, Westmead, NSW	GEOLOGY	Ashfield Shale	VEGETATION	Grass		
EQUIPMENT	4WD truck-mounted hydraulic drill rig	EASTING	150.985978	RL SURFACE	25.2 m	DATUM	AHD
EXCAVATION DIMENSIONS	ø100 mm x 8.41 m depth	NORTHING	-33.805212	ASPECT	Flat	SLOPE	<5%

Drilling			Sampling		Field Material Description								
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS / ASCS CLASSIFICATION	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
ADV	M	Not Encountered	1	25.20	0.1/S/1 D 0.10 m			GP	FILL: Silty sandy GRAVEL; subangular medium grained; consisting of brick, tile, concrete and igneous fragments; grey and brown; fine to medium sand. FILL: Gravelly sandy SILT; low plasticity; brown; subangular to subrounded concrete gravel; fine to medium grained sand. FILL: Silty CLAY; medium to high plasticity; red-brown, grey, orange and brown; trace thin roots; with subangular ironstone gravels. CLAYSTONE; grey, red-brown and orange; highly weathered; inferred very low to low strength.	D	D	FILL 0.60: V-bit refusal.	
				0.20	0.1/S/Dup05 D 0.10 m			ML			VSt		
0.60	0.5/S/1 D 0.50 m					CI-CH	M (<<PL)	H					
24.60	0.5/S/Dup06 D 0.50 m												
AD/T	H			2	1.30	1.0/S/1 D 1.00 m							
ADV	M				23.90	1.0/S/Dup07 D 1.00 m							
AD/T	L-M						1.2/S/1 D 1.20 m						
							1.2/S/Dup08 1.20 m						
							1.5/R/1 D 1.50 m						
				2.65	2.5/R/1 D 2.50 m						WEATHERED ROCK 1.30: V-bit refusal.		
			3					Continued as Cored Borehole					
			4										
			5										
			6										
			7										
			8										
			9										

EXCAVATION LOG TO BE READ IN CONJUNCTION WITH ACCOMPANYING REPORT NOTES AND ABBREVIATIONS

CLIENT	Catholic Education Diocese of Parramatta		COMMENCED	14/01/2020	COMPLETED	14/01/2020	REF BH112 / MW02 Sheet 1 OF 1 PROJECT NO. P1907547
PROJECT	Geotechnical Investigation		LOGGED	DI	CHECKED	RE	
SITE	2 Darcy Rd, Westmead, NSW		GEOLOGY	Ashfield Shale	VEGETATION	Grass	
EQUIPMENT	4WD truck-mounted hydraulic drill rig		EASTING	150.985978	RL SURFACE	25.2 m	DATUM AHD
EXCAVATION DIMENSIONS	8.41 m depth		NORTHING	-33.805212	ASPECT	Flat	SLOPE <5%

Drilling			Sampling		Field Material Description								
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS / ASCS CLASSIFICATION	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	PIEZOMETER DETAILS
													ID Static Water Level MW02
ADV			25.20 0.20 25.00		0.1/S/Dup05 D 0.10 m			GP	FILL: Silty sandy GRAVEL; subangular medium grained; consisting of brick, tile, concrete and igneous fragments; grey and brown; fine to medium sand.	D	D		
AD/T			0.60 24.60		0.5/S/Dup06 D 0.50 m			ML	FILL: Gravelly sandy SILT; low plasticity; brown; subangular to subrounded concrete gravel; fine to medium grained sand.		VSt		
ADV			1.30 23.90		1.0/S/Dup07 D 1.00 m			CI-CH	FILL: Silty CLAY; medium to high plasticity; red-brown, grey, orange and brown; trace thin roots; with subangular ironstone gravels.	M (<<PL)	H		
AD/T					1.2/S/Dup08 1.20 m				CLAYSTONE; grey, red-brown and orange; highly weathered; inferred very low to low strength.				
					1.5/R/1 D 1.50 m								
			2.65 22.55		2.5/R/1 D 2.50 m				SHALE; pale grey, reddish-brown and dark red; ~0-10° bedding.				
			3.50 21.70						Dark brown, dark grey and grey.				
			4.20 21.00						Dark grey to black.				
			5.50 19.70		4.57-4.68/R/1 C 4.57 m								
					6.91-7.00/R/1 C 6.91 m				With thinly bedded siltstone / fine grained sandstone; grey, dark grey and black.				
			8.41						Hole Terminated at 8.41 m (Target depth reached)				

EXCAVATION LOG TO BE READ IN CONJUNCTION WITH ACCOMPANYING REPORT NOTES AND ABBREVIATIONS

 (C) Copyright Martens & Associates Pty. Ltd.	MARTENS & ASSOCIATES PTY LTD Suite 201, 20 George St. Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 mail@martens.com.au WEB: http://www.martens.com.au	Engineering Log - TEST
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CLIENT	Catholic Education Diocese of Parramatta	COMMENCED	15/01/2020	COMPLETED	15/01/2020	REF BH114 Sheet 1 OF 3 PROJECT NO. P1907547	
PROJECT	Geotechnical Investigation	LOGGED	DI	CHECKED	RE		
SITE	2 Darcy Rd, Westmead, NSW	GEOLOGY	Ashfield Shale	VEGETATION	Grass		
EQUIPMENT	4WD truck-mounted hydraulic drill rig	EASTING	150.985711	RL SURFACE	26.8 m	DATUM	AHD
EXCAVATION DIMENSIONS	ø100 mm x 8.64 m depth	NORTHING	-33.805591	ASPECT	North	SLOPE	<5%

Drilling					Sampling		Field Material Description						
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS / ASCS CLASSIFICATION	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
ADV	M	Not Encountered	0.10	26.70	0.3/S/1 D 0.30 m			SP	Brick Paving.	D	VD	PAVEMENT FILL	
			0.60	0.3/S/DUP 14 D			FILL: Gravelly SAND; medium grained.		0.10: Inferred moderately compacted.				
			26.20	0.30 m									
	0.80		0.5/S/1 D 0.50 m			CI	FILL: Silty CLAY; medium plasticity; dark grey to dark brown; trace igneous and coal gravels.	M (<PL)	St	RESIDUAL SOIL			
	26.00		0.8-0.9/S/1 D				CLAY; medium to high plasticity; grey and orange.						
1.10	0.80-0.90 m				CI-CH		VSt						
25.70	1.0/S/1 D 1.00 m												
AD/T	M		1						CLAYSTONE; grey and orange; highly weathered; inferred extremely low to very low strength.			WEATHERED ROCK	
			2										1.10: V-bit refusal.
H		2.75											
NMLC			3						Continued as Cored Borehole				
			4										
			5										
			6										
			7										
			8										
			9										

EXCAVATION LOG TO BE READ IN CONJUNCTION WITH ACCOMPANYING REPORT NOTES AND ABBREVIATIONS

CLIENT	Catholic Education Diocese of Parramatta		COMMENCED	15/01/2020	COMPLETED	15/01/2020	REF BH114				
PROJECT	Geotechnical Investigation		LOGGED	DI	CHECKED	RE	Sheet 2 OF 3				
SITE	2 Darcy Rd, Westmead, NSW		GEOLOGY	Ashfield Shale	VEGETATION	Grass	PROJECT NO. P1907547				
EQUIPMENT		4WD truck-mounted hydraulic drill rig	EASTING	150.985711	RL SURFACE	26.8 m	DATUM	AHD			
EXCAVATION DIMENSIONS		ø100 mm x 8.64 m depth	NORTHING	-33.805591	ASPECT	North	SLOPE	<5%			
Drilling			Field Material Description			Defect Information					
METHOD	WATER	TCR	RQD (SCR)	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH Is(50) MPa	DEFECT DESCRIPTION & Additional Observations	AVERAGE DEFECT SPACING (mm)
				1							
				2							
					2.75		Continuation from non-cored borehole				
					24.05		SHALE; pale grey, grey and dark red.	HW		2.75-3.05: DZ	
										3.05-3.25: FZ	
					3.30		Dark grey; grey and brown.			3.32-3.40: JTSet 2, 3°, SN, PI, RF	
					23.50					3.40-3.59: DZ	
										3.69: BP, 3°, SN, PI, RF	
										3.69-3.77: DS	
										3.77: JT, 5°, SN, UN, RF	
										3.82: JT, 3°, SN, UN	
										3.86: BP, 0°, CT, PI, RF	
										3.89: DS, 10 mm	
										3.91-3.92: CS	
										4.00: HB	
										4.05: DS	
										4.06-4.10: CS	
										4.10: EOR	
										4.10-4.15: DS	
										4.18: DB	
										4.21: BP, 5°, CT, PI, RF	
										4.26: BP, 5°, CT, PI, RF	
										4.31: DB	
										4.38: JT, 15°, SN, PI, RF	
										4.40: DB	
										4.43-4.46: DS	
										4.49: JT, 0 - 20°, CN, UN, RF	
										4.57: JT, 5°, VNR, UN, RF	
										4.58: JT, 0 - 10°, VNR, ST, RF	
										4.61: BP, 0°, VNR, PI, RF	
										4.65: Set 2	
										4.67: JT, 70°, SN, PI, RF	
										4.69-4.72: BPSet 2, 0°, VNR, PI, RF	
										4.79: DB	
										4.82: JT, 45°, VNR, PI, RF	
										4.89-4.90: FZ	
										4.92-4.96: BP, 5°, VNR, PI, RF	
										4.97: BP, 5°, SN, PI, RF	
										5.00-5.02: HB	
										5.08-5.11: CS	
										5.15-5.18: CS	
										5.21: BP, 0°, VNR, PI, RF	
										5.23: DB	
										5.26: JT, 80°, CN, ST, RF	
										5.29: DB	
										5.30: JT, 10°, VNR, PI, RF	
										5.33-5.41: CS	
										5.45: DB	
										5.52-5.56: CS	
										5.61: EOR	
										5.70: JT, 40°, VNR, PI, RF	
										5.77: JT, 50°, SN, PI, RF	
										5.80-6.05: CS	
										6.12: JT, 30°, VNR, PI, RF	
										6.18: BP, 3°, VNR, PI, RF	
										6.23-6.38: DZ	
										6.45: DB	
										6.55-6.59: CS	
										6.64: DB	
										6.72-6.74: CS	
										6.86-6.91: DBSet 2, 6°	
					8.64		Hole Terminated at 8.64 m (Target depth reached)				
					18.16						
				9							
EXCAVATION LOG TO BE READ IN CONJUNCTION WITH ACCOMPANYING REPORT NOTES AND ABBREVIATIONS											
					MARTENS & ASSOCIATES PTY LTD Suite 201, 20 George St. Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 mail@martens.com.au WEB: http://www.martens.com.au			Engineering Log - BOREHOLE			

MARTENS 2.00.LIB.GLB Log MARTENS CORED BOREHOLE P1907547BH1101-BH119V01.GPJ <<DrawingFile>> 27/03/2020 11:27 8.30.004 Dattel Lab and In Situ Tool - DSD | Lib: Martens 2.00 2016-11-13 Prg: Martens 2.00 2016-11-13

MARTENS 2.00 LIB.GLB Log MARTENS CORED BOREHOLE P1907547BH101-BH119/01.GPJ <<DrawingFile>> 27/03/2020 11:27 8.30.004 Datagel Lab and In Situ Tool - DSD | Lib: Martens 2.00 2016-11-13 Ptg Martens 2.00 2016-11-13

CLIENT	Catholic Education Diocese of Parramatta		COMMENCED	15/01/2020	COMPLETED	15/01/2020	REF BH114				
PROJECT	Geotechnical Investigation		LOGGED	DI	CHECKED	RE	Sheet 3 OF 3				
SITE	2 Darcy Rd, Westmead, NSW		GEOLOGY	Ashfield Shale	VEGETATION	Grass	PROJECT NO. P1907547				
EQUIPMENT	4WD truck-mounted hydraulic drill rig		EASTING	150.985711	RL SURFACE	26.8 m	DATUM	AHD			
EXCAVATION DIMENSIONS	ø100 mm x 8.64 m depth		NORTHING	-33.805591	ASPECT	North	SLOPE	<5%			
Drilling			Field Material Description			Defect Information					
METHOD	WATER	TCR	RQD (SCR)	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH Is(50) MPa	DEFECT DESCRIPTION & Additional Observations	AVERAGE DEFECT SPACING (mm)
				10						7.00: HB 7.08: DB 7.12: DB 7.23: JT, 5°, CN, ST, RF 7.27-7.33: CS 7.37-7.49: DBSet 8, 0°, Spacing 100 - 200mm 8.00: HB 8.04: JT, 5°, VNR, UN, RF 8.24: BP, 0°, VNR, PI, RF 8.64: EOR/EOH	
				11							
				12							
				13							
				14							
				15							
				16							
				17							
				18							
				19							
EXCAVATION LOG TO BE READ IN CONJUNCTION WITH ACCOMPANYING REPORT NOTES AND ABBREVIATIONS											
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MARTENS BOREHOLE P1907547BH01-BH119V01.GPJ Log MARTENS 2.00 LUB.GLB
Martens 2.00 2016-11-13 Prj: Martens 2.00 2016-11-13
Lib: Martens 2.00 2016-11-13 Prj: Martens 2.00 2016-11-13
Dtd: 27/03/2020 11:26 8.30.004 Datgel Lab and In Situ Tool - DGD
<<DrawingFile>>

MARTENS 2.00 LIB.GLB Log MARTENS CORED BOREHOLE P1907547BH101-BH119/01.GPJ <<DrawingFile>> 27/03/2020 11:27 8.30.004 Dattel Lab and In Situ Tool - DSD | Lib: Martens 2.00 2016-11-13 Ptg: Martens 2.00 2016-11-13

CLIENT	Catholic Education Diocese of Parramatta			COMMENCED	18/01/2020		COMPLETED	18/01/2020		REF BH115 Sheet 2 OF 2 PROJECT NO. P1907547				
PROJECT	Geotechnical Investigation			LOGGED	SVK		CHECKED	RE						
SITE	2 Darcy Rd, Westmead, NSW			GEOLOGY	Ashfield Shale		VEGETATION	Nil						
EQUIPMENT		4WD truck-mounted hydraulic drill rig			EASTING	150.986325		RL SURFACE	26.1 m		DATUM	AHD		
EXCAVATION DIMENSIONS		ø100 mm x 8.55 m depth			NORTHING	-33.805404		ASPECT	Flat		SLOPE	<5%		
Drilling					Field Material Description					Defect Information				
METHOD	WATER	TCR	RQD (SCR)	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH Is ₍₅₀₎ MPa	DEFECT DESCRIPTION & Additional Observations		AVERAGE DEFECT SPACING (mm)		
				1										
				2										
					2.83		Continuation from non-cored borehole							
					23.27									
					3.05		SHALE; thinly laminated; pale grey, dark red and dark brown.	HW		2.95-3.01: DS, Clay				
					23.05		SHALE; thinly laminated; grey, dark grey and brown.	MW		3.03-3.05: DS, Clay				
			99	45 (91)						3.09-3.12: DS, Clay				
										3.15: DB				
										3.23: BP, 0 - 10°, Clay VNR, PI, RF				
										3.26: DB				
										3.28: DB				
										3.32-3.61: BPSet 8, 10 - 40 mm spacings, 0 - 10°, Clay VNR, PI, RF				
										3.57-3.58: DS, Clay				
										3.62: DB				
										3.64: DB				
										3.66: BP, 0 - 10°, Clay VNR, PI, RF				
										3.67: DB				
										3.69: BP, 0 - 10°, Clay VNR, PI, RF				
										3.72: BP, 0 - 10°, Clay VNR, PI, RF				
										3.75-3.78: DS, Clay				
										3.80-3.83: DS, Clay				
										3.84-3.93: BPSet 5, 10 to 30 mm spacings, 0 - 10°, Clay VNR, PI, RF				
										4.00: DB				
										4.02-4.12: BPSet 5, 10 to 30 mm spacings, 0 - 10°, Clay VNR, PI, RF				
										4.15: DB				
										4.18-4.34: BPSet 4, 50 to 60 mm spacings, 0 - 10°, Clay VNR, PI, RF				
										4.18-4.45: JT, 80 - 90°, Clay CT, UN, RF				
										4.23: BP, 0 - 10°, Clay VNR, PI, RF				
										4.28: BP, 0 - 10°, Clay VNR, PI, RF				
										4.34: BP, 0 - 10°, Clay VNR, PI, RF				
										4.45-4.50: DS, Clay				
										4.46: BP, 0 - 10°, Clay VNR, PI, RF				
										4.46-4.49: DS, Clay				
										4.52-5.02: BPSet, 17, 10 - 50 mm spacings, 0 - 10°, Clay VNR, PI, RF				
										4.55-4.62: JT, 70 - 80°, Clay CT, UN, RF				
										4.65: DB				
										5.17: DB				
										5.24: DB				
										5.34-5.36: BPSet 3, 10 mm spacing, 0 - 10°, Clay VNR, PI, RF				
										5.40-6.00: DB11 at 10 to 150 mm spacings				
										6.11-6.24: BPSet 5, 10 - 70 mm spacings, 0 - 10°, Clay VNR, PI, RF				
										6.37-6.86: DB4 at 20 to 50 mm spacings				
										7.00: DB				
										7.14: DB				
										7.42: DB				
										7.54: DB				
										7.63: DB				
										7.79: DB				
										7.96: DB				
										8.00: DB				
										8.15: DB				
										8.43: DB				
					8.55		Hole Terminated at 8.55 m (Target depth reached)							
					17.55									
				9										
EXCAVATION LOG TO BE READ IN CONJUNCTION WITH ACCOMPANYING REPORT NOTES AND ABBREVIATIONS														
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CLIENT	Catholic Education Diocese of Parramatta		COMMENCED	18/01/2020	COMPLETED	18/01/2020	REF BH116						
PROJECT	Geotechnical Investigation		LOGGED	SVK	CHECKED	RE	Sheet 1 OF 1						
SITE	2 Darcy Rd, Westmead, NSW		GEOLOGY	Ashfield Shale	VEGETATION	Grass	PROJECT NO. P1907547						
EQUIPMENT	4WD ute-mounted hydraulic drill rig		EASTING	150.98501	RL SURFACE	26.2 m	DATUM	AHD					
EXCAVATION DIMENSIONS	ø100 mm x 2.30 m depth		NORTHING	-33.80722	ASPECT	Flat	SLOPE	<5%					
Drilling		Sampling		Field Material Description									
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS / ASCS CLASSIFICATION	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
AD/V				0.15				GW	Black Asphalt (20mm thick).	M	D		PAVEMENT
				0.30				CH	FILL: Sandy GRAVEL; fine to coarse-grained; angular; grey; trace silt and clay; well compacted.	M	VD		RESIDUAL SOIL
				25.90					CLAY; high plasticity; red-brown and grey; with silt.	<PL	VST		WEATHERED ROCK
									SHALE; thinly laminated; pale grey and red-brown; highly weathered; inferred very low strength.				
AD/T	H	Not Encountered	1										
				1.80									
				24.40					Becoming grey and brown.				
			2										
				2.30									
			3						Hole Terminated at 2.30 m (Target depth reached - TC -bit refusal).				
			4										
			5										
			6										
			7										
			8										
			9										
EXCAVATION LOG TO BE READ IN CONJUNCTION WITH ACCOMPANYING REPORT NOTES AND ABBREVIATIONS													
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CLIENT		Catholic Education Diocese of Parramatta		COMMENCED	18/01/2020	COMPLETED	18/01/2020	REF BH117					
PROJECT		Geotechnical Investigation		LOGGED	SVK	CHECKED	RE	Sheet 1 OF 1					
SITE		2 Darcy Rd, Westmead, NSW		GEOLOGY	Ashfield Shale	VEGETATION	Grass	PROJECT NO. P1907547					
EQUIPMENT		Hand Auger		EASTING	150.984295	RL SURFACE	26.2 m	DATUM	AHD				
EXCAVATION DIMENSIONS		ø100 mm x 0.40 m depth		NORTHING	-33.8046374	ASPECT	Flat	SLOPE	<5%				
Drilling			Sampling		Field Material Description								
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS / ASCS CLASSIFICATION	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
PT	M			26.20	0.1/S/1 D 0.10 m			CI	FILL: CLAY; medium plasticity; brown; with silt and sand.	M			FILL
	H			0.30	0.2-0.3/S/1 D				SHALE; thinly laminated; grey and brown; inferred very low strength; highly weathered.	(-PL)			WEATHERED ROCK
		Not Encountered		0.40	0.20-0.30 m				Hole Terminated at 0.40 m (Target depth reached - refusal).				0.40: TC-bit refusal on inferred low strength shale.
			1										
			2										
			3										
			4										
			5										
			6										
			7										
			8										
			9										
EXCAVATION LOG TO BE READ IN CONJUNCTION WITH ACCOMPANYING REPORT NOTES AND ABBREVIATIONS													
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CLIENT	Catholic Education Diocese of Parramatta	COMMENCED	18/01/2020	COMPLETED	18/01/2020	REF BH118 Sheet 1 OF 1 PROJECT NO. P1907547	
PROJECT	Geotechnical Investigation	LOGGED	SVK	CHECKED	RE		
SITE	2 Darcy Rd, Westmead, NSW	GEOLOGY	Ashfield Shale	VEGETATION	Grass		
EQUIPMENT	4WD ute-mounted hydraulic drill rig	EASTING	150.9852791	RL SURFACE	26.2 m	DATUM	AHD
EXCAVATION DIMENSIONS	ø100 mm x 3.00 m depth	NORTHING	-33.80540756	ASPECT	Flat	SLOPE	<5%

Drilling					Sampling		Field Material Description																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS / ASCS CLASSIFICATION	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
ADV				26.10	0.1/S/1 D 0.10 m			GW	Black Asphalt (50mm thick).	M	D		PAVEMENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			0.40	FILL: Sandy GRAVEL; fine to coarse grained; angular; grey; trace silt and clay; appears well graded.					M				VD	RESIDUAL SOIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
25.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

EXCAVATION LOG TO BE READ IN CONJUNCTION WITH ACCOMPANYING REPORT NOTES AND ABBREVIATIONS

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CLIENT	Catholic Education Diocese of Parramatta		COMMENCED	18/01/2020	COMPLETED	18/01/2020	REF BH119						
PROJECT	Geotechnical Investigation		LOGGED	SVK	CHECKED	RE	Sheet 1 OF 1						
SITE	2 Darcy Rd, Westmead, NSW		GEOLOGY	Ashfield Shale	VEGETATION	Grass	PROJECT NO. P1907547						
EQUIPMENT	4WD ute-mounted hydraulic drill rig		EASTING	150.985549	RL SURFACE	24.2 m	DATUM	AHD					
EXCAVATION DIMENSIONS	ø100 mm x 0.75 m depth		NORTHING	-33.805475	ASPECT	Flat	SLOPE	<5%					
Drilling		Sampling		Field Material Description									
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS / ASCS CLASSIFICATION	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
AD/T	H			0.15									
	M	Not Encountered		24.05	0.2 - 0.5/S/1 0.20 m			GW	Black Asphalt Concrete.		D -		PAVEMENT
								CH	FILL: Sandy GRAVEL; fine to coarse grained; angular; grey; trace / silt and clay.		(VD)		FILL
				0.75					CLAY; high plasticity; red- brown; with silt.		St -		RESIDUAL SOIL
			1						Hole Terminated at 0.75 m (Target depth reached)				0.75: Target depth reached.
			2										
			3										
			4										
			5										
			6										
			7										
			8										
			9										
EXCAVATION LOG TO BE READ IN CONJUNCTION WITH ACCOMPANYING REPORT NOTES AND ABBREVIATIONS													
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Attachment E: Laboratory Summary Tables

[illegible]

Env Stds Description
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil: Management limits are applied after consideration of relevant ESLs and HSLs

NEPM , 19/03/2020

Attachment F: Data Validation Report

Sample Handling

Lab Report	Sample Chain of Custody (COC) Procedures	Sample Preservation	Sample Receipt Notification Matches COC	Samples Analysed Within Holding Time
234892	Pass	Pass	Pass	Pass
697779	Pass	Pass	Pass	Pass

Soil samples were dispatched with COC. The laboratory SRN indicates that all samples were received within appropriate holding times.

Precision / Accuracy

Lab Report	Analysed by NATA Laboratory	Trip Spike and Blank Used	Adequate Duplicates Analysed	Field Rinsate Analysed
234892	Pass	Pass	Pass	Pass
697779	Pass	Pass	Pass	Pass

Trip spike and blank were analysed for soil investigations and analysed within tolerance values.

Dedicated sampling equipment was used throughout the investigation, as such no rinsate was required.

Duplicates / Laboratory QA/QC

Lab Report	Field RPD	Laboratory Surrogate Recovery	Laboratory Duplicate RPD	Lab Blank and Matrix Spike Recovery	Laboratory Control Sample
234892	Pass	Pass	Pass	Pass	234892
697779	Pass	Pass	Pass	Pass	697779

All QA / QC samples were within RPD control limits

Preliminary Site Investigation
2 Darcy Street, Westmead, NSW

P1907547

Field Duplicates (SOIL)
Filter: ALL

Lab Report Number	234892	234892		234892	234892	
Field ID	BH112/0.1	DUP05	RPD	BH112/1.0	DUP07	RPD
Sampled Date/Time						

Chem_Gr	ChemNam	Units	EQL						
Metals	Arsenic	mg/kg	4	<4.0	4.0	0	<4.0	<4.0	0
	Cadmium	mg/kg	0.4	<0.4	<0.4	0	<0.4	<0.4	0
	Chromium	mg/kg	1	12.0	11.0	9	6.0	7.0	15
	Copper	mg/kg	1	19.0	17.0	11	16.0	18.0	12
	Lead	mg/kg	1	50.0	50.0	0	17.0	17.0	0
	Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
	Nickel	mg/kg	1	6.0	6.0	0	1.0	1.0	0
	Zinc	mg/kg	1	64.0	73.0	13	9.0	10.0	11

*RPDs have only been considered where a concentration is greater than 1 times the EQL.

**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 80 (1-10 x EQL); 50 (10-30 x EQL); 30 (> 30 x EQL))

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in primary laboratory.

Attachment G: Laboratory Certificates

CERTIFICATE OF ANALYSIS 234892

Client Details

Client	Martens & Associates Pty Ltd
Attention	Jeff Fulton, Robert Mehaffey, William Xu
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	<u>P1907547COC01V01</u>
Number of Samples	88 Soil
Date samples received	20/01/2020
Date completed instructions received	20/01/2020

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	28/01/2020
Date of Issue	28/01/2020
NATA Accreditation Number 2901. This document shall not be reproduced except in full.	
Accredited for compliance with ISO/IEC 17025 - Testing. Tests not covered by NATA are denoted with *	

Asbestos Approved By

Analysed by Asbestos Approved Identifier: Lucy Zhu
 Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By

Diego Bigolin, Team Leader, Inorganics
 Jaimie Loa-Kum-Cheung, Metals Supervisor
 Josh Williams, Senior Chemist
 Lucy Zhu, Asbestos Supervisor
 Steven Luong, Organics Supervisor

Authorised By



Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil

Our Reference		234892-1	234892-8	234892-10	234892-12	234892-17
Your Reference	UNITS	BH101/0.1	BH102/0.3	BH102/1.0	BH103/0.5	BH104/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	100	106	106	96	77

vTRH(C6-C10)/BTEXN in Soil

Our Reference		234892-22	234892-28	234892-36	234892-39	234892-46
Your Reference	UNITS	BH105/0.5	BH106a/1.0	BH107/0.5	BH108/0.1	BH109/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	92	86	104	102	97

vTRH(C6-C10)/BTEXN in Soil

Our Reference		234892-51	234892-54	234892-56	234892-63	234892-68
Your Reference	UNITS	BH111/1.0	BH112/0.1	BH112/1.0	BH114/0.3	BH115/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	103	99	92	103	103

vTRH(C6-C10)/BTEXN in Soil

Our Reference		234892-73	234892-84	234892-85
Your Reference	UNITS	BH118/0.1	Trip Spike	Trip Blank
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	22/01/2020	22/01/2020	22/01/2020
TRH C ₆ - C ₉	mg/kg	<25	[NA]	<25
TRH C ₆ - C ₁₀	mg/kg	<25	[NA]	<25
vTPH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	[NA]	[NA]
Benzene	mg/kg	<0.2	93%	<0.2
Toluene	mg/kg	<0.5	88%	<0.5
Ethylbenzene	mg/kg	<1	90%	<1
m+p-xylene	mg/kg	<2	92%	<2
o-Xylene	mg/kg	<1	89%	<1
naphthalene	mg/kg	<1	[NA]	[NA]
Total +ve Xylenes	mg/kg	<3	[NA]	<3
Surrogate aaa-Trifluorotoluene	%	103	93	111

svTRH (C10-C40) in Soil						
Our Reference	UNITS	234892-1	234892-8	234892-10	234892-12	234892-17
Your Reference		BH101/0.1	BH102/0.3	BH102/1.0	BH103/0.5	BH104/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	23/01/2020	23/01/2020	23/01/2020	23/01/2020	23/01/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	<100	<100	<100
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	88	87	88	87	88

svTRH (C10-C40) in Soil						
Our Reference	UNITS	234892-22	234892-28	234892-36	234892-39	234892-46
Your Reference		BH105/0.5	BH106a/1.0	BH107/0.5	BH108/0.1	BH109/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	23/01/2020	23/01/2020	23/01/2020	23/01/2020	23/01/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	<100	<100	<100
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	88	86	89	85	85

svTRH (C10-C40) in Soil

Our Reference		234892-51	234892-54	234892-56	234892-63	234892-68
Your Reference	UNITS	BH111/1.0	BH112/0.1	BH112/1.0	BH114/0.3	BH115/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	23/01/2020	23/01/2020	23/01/2020	23/01/2020	23/01/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	<100	<100	<100
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	87	92	106	81	85

svTRH (C10-C40) in Soil

Our Reference		234892-73
Your Reference	UNITS	BH118/0.1
Date Sampled		08/01/2020 - 18/01/2020
Type of sample		Soil
Date extracted	-	22/01/2020
Date analysed	-	23/01/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100
TRH >C ₁₀ -C ₁₆	mg/kg	<50
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100
Total +ve TRH (>C10-C40)	mg/kg	<50
Surrogate o-Terphenyl	%	84

PAHs in Soil						
Our Reference	UNITS	234892-1	234892-8	234892-10	234892-12	234892-17
Your Reference		BH101/0.1	BH102/0.3	BH102/1.0	BH103/0.5	BH104/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.6
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.6
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.5
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.4
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	0.6
Benzo(a)pyrene	mg/kg	<0.05	<0.05	0.06	<0.05	0.3
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.2
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.2
Total +ve PAH's	mg/kg	<0.05	<0.05	0.06	<0.05	3.4
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	0.6
Surrogate <i>p</i> -Terphenyl-d14	%	105	104	105	105	113

PAHs in Soil						
Our Reference		234892-22	234892-28	234892-36	234892-39	234892-46
Your Reference	UNITS	BH105/0.5	BH106a/1.0	BH107/0.5	BH108/0.1	BH109/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.3	0.2	0.2	0.2	<0.1
Pyrene	mg/kg	0.3	0.2	0.2	0.2	<0.1
Benzo(a)anthracene	mg/kg	0.2	0.2	0.1	0.2	<0.1
Chrysene	mg/kg	0.2	0.1	0.1	0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	0.1	0.1	0.09	0.1	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	0.98	0.84	0.66	0.83	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	105	100	103	107	104

PAHs in Soil						
Our Reference		234892-51	234892-54	234892-56	234892-63	234892-68
Your Reference	UNITS	BH111/1.0	BH112/0.1	BH112/1.0	BH114/0.3	BH115/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.2	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	0.2	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	0.1	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	0.72	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	104	104	100	98	101

PAHs in Soil		
Our Reference		234892-73
Your Reference	UNITS	BH118/0.1
Date Sampled		08/01/2020 - 18/01/2020
Type of sample		Soil
Date extracted	-	22/01/2020
Date analysed	-	24/01/2020
Naphthalene	mg/kg	<0.1
Acenaphthylene	mg/kg	<0.1
Acenaphthene	mg/kg	<0.1
Fluorene	mg/kg	<0.1
Phenanthrene	mg/kg	<0.1
Anthracene	mg/kg	<0.1
Fluoranthene	mg/kg	<0.1
Pyrene	mg/kg	<0.1
Benzo(a)anthracene	mg/kg	<0.1
Chrysene	mg/kg	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2
Benzo(a)pyrene	mg/kg	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1
Total +ve PAH's	mg/kg	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	100

Organochlorine Pesticides in soil						
Our Reference	UNITS	234892-1	234892-8	234892-10	234892-12	234892-17
Your Reference		BH101/0.1	BH102/0.3	BH102/1.0	BH103/0.5	BH104/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	109	106	110	105	111

Organochlorine Pesticides in soil						
Our Reference	UNITS	234892-22	234892-28	234892-36	234892-39	234892-46
Your Reference		BH105/0.5	BH106a/1.0	BH107/0.5	BH108/0.1	BH109/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	107	106	103	111	104

Organochlorine Pesticides in soil						
Our Reference		234892-51	234892-54	234892-56	234892-63	234892-73
Your Reference	UNITS	BH111/1.0	BH112/0.1	BH112/1.0	BH114/0.3	BH118/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	106	107	106	104	105

Organophosphorus Pesticides in Soil						
Our Reference	UNITS	234892-1	234892-8	234892-10	234892-12	234892-17
Your Reference		BH101/0.1	BH102/0.3	BH102/1.0	BH103/0.5	BH104/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	109	106	110	105	111

Organophosphorus Pesticides in Soil

Our Reference		234892-22	234892-28	234892-36	234892-39	234892-46
Your Reference	UNITS	BH105/0.5	BH106a/1.0	BH107/0.5	BH108/0.1	BH109/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	107	106	103	111	104

Organophosphorus Pesticides in Soil

Our Reference		234892-51	234892-54	234892-56	234892-63	234892-73
Your Reference	UNITS	BH111/1.0	BH112/0.1	BH112/1.0	BH114/0.3	BH118/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	106	107	106	104	105

PCBs in Soil						
Our Reference	UNITS	234892-1	234892-8	234892-10	234892-12	234892-17
Your Reference		BH101/0.1	BH102/0.3	BH102/1.0	BH103/0.5	BH104/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	109	106	110	105	111

PCBs in Soil						
Our Reference	UNITS	234892-22	234892-28	234892-36	234892-39	234892-46
Your Reference		BH105/0.5	BH106a/1.0	BH107/0.5	BH108/0.1	BH109/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	107	106	103	111	104

PCBs in Soil						
Our Reference	UNITS	234892-51	234892-54	234892-56	234892-63	234892-73
Your Reference		BH111/1.0	BH112/0.1	BH112/1.0	BH114/0.3	BH118/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	24/01/2020	24/01/2020	24/01/2020	24/01/2020	24/01/2020
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	106	107	106	104	105

Misc Soil - Inorg		
Our Reference		234892-68
Your Reference	UNITS	BH115/0.5
Date Sampled		08/01/2020 - 18/01/2020
Type of sample		Soil
Date prepared	-	22/01/2020
Date analysed	-	22/01/2020
Total Phenolics (as Phenol)	mg/kg	<5

Acid Extractable metals in soil

Our Reference		234892-1	234892-8	234892-10	234892-12	234892-17
Your Reference	UNITS	BH101/0.1	BH102/0.3	BH102/1.0	BH103/0.5	BH104/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Arsenic	mg/kg	4	<4	4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	4	13	13	28	9
Copper	mg/kg	3	7	22	4	13
Lead	mg/kg	7	15	21	10	84
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	2	4	6	3	5
Zinc	mg/kg	18	22	34	7	78

Acid Extractable metals in soil

Our Reference		234892-22	234892-28	234892-36	234892-39	234892-46
Your Reference	UNITS	BH105/0.5	BH106a/1.0	BH107/0.5	BH108/0.1	BH109/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Arsenic	mg/kg	5	7	9	<4	7
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	15	14	17	16	8
Copper	mg/kg	17	15	18	16	20
Lead	mg/kg	28	16	20	15	21
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	7	4	7	7	6
Zinc	mg/kg	35	15	25	43	32

Acid Extractable metals in soil

Our Reference		234892-51	234892-54	234892-56	234892-63	234892-68
Your Reference	UNITS	BH111/1.0	BH112/0.1	BH112/1.0	BH114/0.3	BH115/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Arsenic	mg/kg	9	<4	<4	<4	6
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	10	12	6	9	20
Copper	mg/kg	16	19	16	6	22
Lead	mg/kg	37	50	17	5	20
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	2	6	1	6	5
Zinc	mg/kg	13	64	9	27	12

Acid Extractable metals in soil

Our Reference		234892-73	234892-80	234892-82	234892-89
Your Reference	UNITS	BH118/0.1	DUP05	DUP07	BH111/1.0 - [TRIPLICATE]
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Arsenic	mg/kg	<4	4	<4	9
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	6	11	7	9
Copper	mg/kg	33	17	18	17
Lead	mg/kg	14	50	17	41
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	16	6	1	2
Zinc	mg/kg	17	73	10	15

Moisture						
Our Reference	UNITS	234892-1	234892-8	234892-10	234892-12	234892-17
Your Reference		BH101/0.1	BH102/0.3	BH102/1.0	BH103/0.5	BH104/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	23/01/2020	23/01/2020	23/01/2020	23/01/2020	23/01/2020
Moisture	%	1.7	5.8	8.8	6.2	28

Moisture						
Our Reference	UNITS	234892-22	234892-28	234892-36	234892-39	234892-46
Your Reference		BH105/0.5	BH106a/1.0	BH107/0.5	BH108/0.1	BH109/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	23/01/2020	23/01/2020	23/01/2020	23/01/2020	23/01/2020
Moisture	%	18	16	18	8.5	13

Moisture						
Our Reference	UNITS	234892-51	234892-54	234892-56	234892-63	234892-68
Your Reference		BH111/1.0	BH112/0.1	BH112/1.0	BH114/0.3	BH115/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	22/01/2020	22/01/2020	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	23/01/2020	23/01/2020	23/01/2020	23/01/2020	23/01/2020
Moisture	%	16	4.2	16	13	21

Moisture				
Our Reference	UNITS	234892-73	234892-80	234892-82
Your Reference		BH118/0.1	DUP05	DUP07
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil
Date prepared	-	22/01/2020	22/01/2020	22/01/2020
Date analysed	-	23/01/2020	23/01/2020	23/01/2020
Moisture	%	8.5	3.5	15

Asbestos ID - soils						
Our Reference	UNITS	234892-1	234892-8	234892-10	234892-12	234892-17
Your Reference		BH101/0.1	BH102/0.3	BH102/1.0	BH103/0.5	BH104/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	23/01/2020	23/01/2020	23/01/2020	23/01/2020	23/01/2020
Sample mass tested	g	Approx. 30g	Approx. 30g	Approx. 35g	Approx. 30g	Approx. 25g
Sample Description	-	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils

Our Reference		234892-22	234892-28	234892-36	234892-39	234892-46
Your Reference	UNITS	BH105/0.5	BH106a/1.0	BH107/0.5	BH108/0.1	BH109/0.5
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	23/01/2020	23/01/2020	23/01/2020	23/01/2020	23/01/2020
Sample mass tested	g	Approx. 30g	Approx. 25g	Approx. 30g	Approx. 35g	Approx. 30g
Sample Description	-	Brown clayey soil & rocks	Brown clayey soil & rocks	Brown clayey soil & rocks	Brown sandy soil & rocks	Brown clayey soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils

Our Reference		234892-51	234892-54	234892-56	234892-63	234892-73
Your Reference	UNITS	BH111/1.0	BH112/0.1	BH112/1.0	BH114/0.3	BH118/0.1
Date Sampled		08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020	08/01/2020 - 18/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	23/01/2020	23/01/2020	23/01/2020	23/01/2020	23/01/2020
Sample mass tested	g	Approx. 35g	Approx. 30g	Approx. 30g	Approx. 35g	Approx. 30g
Sample Description	-	Brown clayey soil & rocks	Brown sandy soil & rocks	Brown clayey soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
AT-008	Determination of VOCs sampled onto coconut shell charcoal sorbent tubes, that can be desorbed using carbon disulphide, and analysed by GC-MS.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-012/017	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS.
Org-012/017	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS and/or GC-MS/MS. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.

Method ID	Methodology Summary
Org-012/017	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL' values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero' values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL' values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-014	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	234892-8
Date extracted	-			22/01/2020	1	22/01/2020	22/01/2020		22/01/2020	22/01/2020
Date analysed	-			22/01/2020	1	22/01/2020	22/01/2020		22/01/2020	22/01/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	<25	1	<25	<25	0	102	110
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	<25	1	<25	<25	0	102	110
Benzene	mg/kg	0.2	Org-016	<0.2	1	<0.2	<0.2	0	92	96
Toluene	mg/kg	0.5	Org-016	<0.5	1	<0.5	<0.5	0	94	100
Ethylbenzene	mg/kg	1	Org-016	<1	1	<1	<1	0	109	118
m+p-xylene	mg/kg	2	Org-016	<2	1	<2	<2	0	108	117
o-Xylene	mg/kg	1	Org-016	<1	1	<1	<1	0	107	117
naphthalene	mg/kg	1	Org-014	<1	1	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	103	1	100	102	2	103	106

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	22/01/2020	22/01/2020		[NT]	[NT]
Date analysed	-			[NT]	51	22/01/2020	22/01/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	51	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	51	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	51	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	51	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	51	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	51	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	51	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	51	103	93	10	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	234892-8
Date extracted	-			22/01/2020	1	22/01/2020	22/01/2020		22/01/2020	22/01/2020
Date analysed	-			22/01/2020	1	23/01/2020	23/01/2020		23/01/2020	23/01/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	<50	1	<50	<50	0	96	75
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	<100	1	<100	<100	0	107	87
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	<100	1	<100	<100	0	106	111
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	<50	1	<50	<50	0	96	75
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	<100	1	<100	<100	0	107	87
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	<100	1	<100	<100	0	106	111
Surrogate o-Terphenyl	%		Org-003	84	1	88	108	20	91	92

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	22/01/2020	22/01/2020		[NT]	[NT]
Date analysed	-			[NT]	51	23/01/2020	23/01/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	51	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	51	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	51	<100	<100	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	51	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	51	<100	<100	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	51	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	51	87	84	4	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	234892-8
Date extracted	-			22/01/2020	1	22/01/2020	22/01/2020		22/01/2020	22/01/2020
Date analysed	-			24/01/2020	1	24/01/2020	24/01/2020		24/01/2020	24/01/2020
Naphthalene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	88	88
Acenaphthylene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	96	96
Phenanthrene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	100	101
Anthracene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	102	104
Pyrene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	102	106
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	96	92
Benzo(b,j,k)fluoranthene	mg/kg	0.2	Org-012/017	<0.2	1	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	<0.05	1	<0.05	<0.05	0	92	88
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	108	1	105	106	1	106	104

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	22/01/2020	22/01/2020		[NT]	[NT]
Date analysed	-			[NT]	51	24/01/2020	24/01/2020		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j,k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	51	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	51	104	102	2	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	234892-8
Date extracted	-			22/01/2020	1	22/01/2020	22/01/2020		22/01/2020	22/01/2020
Date analysed	-			24/01/2020	1	24/01/2020	24/01/2020		24/01/2020	24/01/2020
alpha-BHC	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	86	88
HCB	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	82	83
gamma-BHC	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	88	90
delta-BHC	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	110	118
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	92	98
gamma-Chlordane	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	94	98
Dieldrin	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	116	129
Endrin	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	100	112
Endosulfan II	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	72	74
Endrin Aldehyde	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	98	98
Methoxychlor	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	106	1	109	106	3	102	106

QUALITY CONTROL: Organochlorine Pesticides in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	22/01/2020	22/01/2020		[NT]	[NT]
Date analysed	-			[NT]	51	24/01/2020	24/01/2020		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	51	106	106	0	[NT]	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	234892-8
Date extracted	-			22/01/2020	1	22/01/2020	22/01/2020		22/01/2020	22/01/2020
Date analysed	-			24/01/2020	1	24/01/2020	24/01/2020		24/01/2020	24/01/2020
Dichlorvos	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	108	103
Dimethoate	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	92	92
Fenitrothion	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	86	83
Malathion	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	85	84
Chlorpyrifos	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	94	110
Parathion	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	96	98
Bromophos-ethyl	mg/kg	0.1	AT-008	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	90	94
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	106	1	109	106	3	102	106

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	22/01/2020	22/01/2020		[NT]	[NT]
Date analysed	-			[NT]	51	24/01/2020	24/01/2020		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	51	106	106	0	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	234892-8
Date extracted	-			22/01/2020	1	22/01/2020	22/01/2020		22/01/2020	22/01/2020
Date analysed	-			24/01/2020	1	24/01/2020	24/01/2020		24/01/2020	24/01/2020
Aroclor 1016	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	71	77
Aroclor 1260	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	106	1	109	106	3	102	106

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	22/01/2020	22/01/2020		[NT]	[NT]
Date analysed	-			[NT]	51	24/01/2020	24/01/2020		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	51	106	106	0	[NT]	[NT]

QUALITY CONTROL: Misc Soil - Inorg					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date prepared	-			22/01/2020	[NT]	[NT]	[NT]	[NT]	22/01/2020	[NT]
Date analysed	-			22/01/2020	[NT]	[NT]	[NT]	[NT]	22/01/2020	[NT]
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	[NT]	[NT]	[NT]	[NT]	101	[NT]

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	234892-8
Date prepared	-			22/01/2020	1	22/01/2020	22/01/2020		22/01/2020	22/01/2020
Date analysed	-			22/01/2020	1	22/01/2020	22/01/2020		22/01/2020	22/01/2020
Arsenic	mg/kg	4	Metals-020	<4	1	4	<4	0	105	93
Cadmium	mg/kg	0.4	Metals-020	<0.4	1	<0.4	<0.4	0	104	91
Chromium	mg/kg	1	Metals-020	<1	1	4	3	29	101	93
Copper	mg/kg	1	Metals-020	<1	1	3	2	40	102	99
Lead	mg/kg	1	Metals-020	<1	1	7	6	15	102	93
Mercury	mg/kg	0.1	Metals-021	<0.1	1	<0.1	<0.1	0	104	101
Nickel	mg/kg	1	Metals-020	<1	1	2	1	67	108	96
Zinc	mg/kg	1	Metals-020	<1	1	18	13	32	105	94

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	51	22/01/2020	22/01/2020		[NT]	[NT]
Date analysed	-			[NT]	51	22/01/2020	22/01/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	51	9	8	12	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	51	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	51	10	9	11	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	51	16	19	17	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	51	37	130	111	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	51	2	3	40	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	51	13	18	32	[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.
Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.	

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Acid Extractable Metals in Soil:

-The laboratory RPD acceptance criteria has been exceeded for 234892-51 for Pb. Therefore a triplicate result has been issued as laboratory sample number 234892-89.

Asbestos: A portion of the supplied samples were sub-sampled for asbestos analysis according to Envirolab procedures.

We cannot guarantee that these sub-samples are indicative of the entire sample.

Envirolab recommends supplying 40-50g of sample in its own container.

Note: Samples requested for asbestos testing were sub-sampled from jars provided by the client.

Martens & Associates Pty Ltd
Suite 201, 20 George St
Hornsby
NSW 2077



NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
 The results of the tests, calibrations and/or
 measurements included in this document are traceable
 to Australian/national standards.

Attention: **W Xu**

Report **697779-S**
 Project name **2 DARCY STREET WESTMEAD NSW**
 Project ID **P1907547**
 Received Date **Jan 21, 2020**

Client Sample ID			DUP09
Sample Matrix			Soil
Eurofins Sample No.			S20-Ja18305
Date Sampled			Jan 14, 2020
Test/Reference	LOR	Unit	
Heavy Metals			
Arsenic	2	mg/kg	2.5
Cadmium	0.4	mg/kg	< 0.4
Chromium	5	mg/kg	8.8
Copper	5	mg/kg	12
Lead	5	mg/kg	74
Mercury	0.1	mg/kg	< 0.1
Nickel	5	mg/kg	< 5
Zinc	5	mg/kg	74
% Moisture	1	%	19

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Metals M8	Sydney	Jan 28, 2020	180 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Sydney	Jan 21, 2020	14 Days
- Method: LTM-GEN-7080 Moisture			

Australia

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6 Monterey Road
Dandenong South VIC 3175
Phone : +61 3 8564 5000
NATA # 1261
Site # 1254 & 14271

Sydney
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Lane Cove West NSW 2066
Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

Brisbane
1/21 Smallwood Place
Murarie QLD 4172
Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Perth
2/91 Leach Highway
Kewdale WA 6105
Phone : +61 8 9251 9600
NATA # 1261
Site # 23736

New Zealand

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35 O'Rorke Road
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IANZ # 1327

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43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Company Name: Martens & Associates Pty Ltd
Address: Suite 201, 20 George St
Hornsby
NSW 2077

Project Name: 2 DARCY STREET WESTMEAD NSW
Project ID: P1907547

Order No.:
Report #: 697779
Phone: 02 9476 9999
Fax: 02 9476 8767

Received: Jan 21, 2020 2:44 PM
Due: Jan 29, 2020
Priority: 5 Day
Contact Name: W Xu

Eurofins Analytical Services Manager : Ursula Long

Sample Detail						Metals M8	Moisture Set
						X	X
Melbourne Laboratory - NATA Site # 1254 & 14271							
Sydney Laboratory - NATA Site # 18217							
Brisbane Laboratory - NATA Site # 20794							
Perth Laboratory - NATA Site # 23736							
External Laboratory							
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID		
1	DUP09	Jan 14, 2020		Soil	S20-Ja18305	X	X
Test Counts						1	1

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

****NOTE:** pH duplicates are reported as a range NOT as RPD

Units

mg/kg: milligrams per kilogram

mg/L: milligrams per litre

ug/L: micrograms per litre

ppm: Parts per million

ppb: Parts per billion

%: Percentage

org/100mL: Organisms per 100 millilitres

NTU: Nephelometric Turbidity Units

MPN/100mL: Most Probable Number of organisms per 100 millilitres

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery.
CRM	Certified Reference Material - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
QSM	US Department of Defense Quality Systems Manual Version 5.3
CP	Client Parent - QC was performed on samples pertaining to this report
NC	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries: Recoveries must lie between 20-130% Phenols & 50-150% PFASs

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.3 where no positive PFAS results have been reported have been reviewed and no data was affected.

WA DWER (n=10): PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Heavy Metals									
Arsenic			mg/kg	< 2			2	Pass	
Cadmium			mg/kg	< 0.4			0.4	Pass	
Chromium			mg/kg	< 5			5	Pass	
Copper			mg/kg	< 5			5	Pass	
Lead			mg/kg	< 5			5	Pass	
Mercury			mg/kg	< 0.1			0.1	Pass	
Nickel			mg/kg	< 5			5	Pass	
Zinc			mg/kg	< 5			5	Pass	
LCS - % Recovery									
Heavy Metals									
Arsenic			%	98			70-130	Pass	
Cadmium			%	102			70-130	Pass	
Chromium			%	95			70-130	Pass	
Copper			%	94			70-130	Pass	
Lead			%	99			70-130	Pass	
Mercury			%	96			70-130	Pass	
Nickel			%	95			70-130	Pass	
Zinc			%	99			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S20-Ja18814	NCP	%	100			70-130	Pass	
Cadmium	S20-Ja18814	NCP	%	103			70-130	Pass	
Chromium	S20-Ja18814	NCP	%	109			70-130	Pass	
Copper	S20-Ja18814	NCP	%	121			70-130	Pass	
Lead	S20-Ja18154	NCP	%	101			70-130	Pass	
Mercury	S20-Ja18814	NCP	%	99			70-130	Pass	
Nickel	S20-Ja18814	NCP	%	106			70-130	Pass	
Zinc	S20-Ja18154	NCP	%	103			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S20-Ja26977	NCP	mg/kg	14	15	3.0	30%	Pass	
Cadmium	S20-Ja26977	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S20-Ja26977	NCP	mg/kg	17	17	3.0	30%	Pass	
Copper	S20-Ja26977	NCP	mg/kg	30	27	8.0	30%	Pass	
Lead	S20-Ja26977	NCP	mg/kg	59	72	20	30%	Pass	
Mercury	S20-Ja26977	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S20-Ja26977	NCP	mg/kg	12	12	1.0	30%	Pass	
Zinc	S20-Ja26977	NCP	mg/kg	180	120	38	30%	Fail	Q15
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S20-Ja18190	NCP	%	13	13	3.0	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised By

Ursula Long	Analytical Services Manager
Gabriele Cordero	Senior Analyst-Metal (NSW)



Glenn Jackson

General Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Attachment H: Available Site Records

Anthony Protas Consulting Pty Ltd
BUILDING REGULATIONS CONSULTANTS

31 May 2011

Our Ref: 113251

The General Manager
Parramatta City Council
PO Box 32
Parramatta NSW 2124



Dear Sir,

**Re: 2 Darcy Road, Westmead (Westmead Catholic Education Precinct)
Level 2 Infill Works
Construction Certificate**

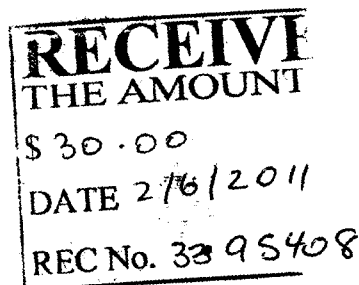
Pursuant to the requirements of the Environmental Planning and Assessment Act please find attached a copy of our Construction Certificate, plans and specifications to which the Construction Certificate has been issued and other relevant documents.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours faithfully

CC/279/2011

Anthony Protas
Anthony Protas Consulting Pty Ltd



Construction Certificate – 2 Darcy Road, Westmead (Westmead Catholic Education Precinct – Stage 1)

**Building Infill & Fitout Works To Level 2 Of Stage 1 Building B, Catholic
Education Precinct, Westmead BCA Class 9b**

1. Details of the applicant

Mr ☐ Ms ☐ Mrs ☐ Dr ☐ Other

Thomson Adsett (NSW) Pty Ltd

First name

Family name

Flat/street no.

Street name

Level 1, 30

Cowper Street

Suburb or town

State

Postcode

Parramatta

NSW

2150

Daytime telephone

Fax

Mobile

9689 2088

9635 8592

Email

2. Details of the development consent

Development application no.

Date the consent was issued

DA/853/2008

14 April, 2009

3. Decision of the certifying authority

This certificate is issued:

- ☒ without any conditions
☐ subject to conditions of the kind referred to in clauses 187 or 188 of the Environmental Planning and Assessment Regulation 2000

Conditions have been placed on the certificate for the following reasons:

- ☒ the issue of this certificate has been endorsed on the plans and specifications that were lodged with the application.

Plan no.s approved

Refer to the attached plan schedule

Date of this decision

31 May 2011

4. Information attached to this decision

- ☒ A fire safety schedule
☒ Schedule of approved plans & specifications

5. Certification**Anthony Protas**

certifies that

if the work is completed following the plans and specifications which have been approved, it will comply with the requirements of the Environmental Planning and Assessment Regulation 2000 as referred to in section 81A(5) of the *Environmental Planning and Assessment Act 1979*.

Construction certificate no.

3251/11

Date of this certificate

31 May 2011**6. Signature**

For this certificate to be valid, it must be signed by the certifying authority.

Signature



Name

Anthony Protas

Flat/Street no.

Locked Bag 1001

Street name

Suburb or town

Wareemba

State

NSW

Postcode

2046

Telephone

9715 5333

Fax

9715 5666

If the certifier is an accredited certifier:

Accreditation body of the certifier

Building Professionals Board

Accreditation no. of the certifier

BPB0332**7. Applicant's right of appeal**

If the certifying authority is a council, a Minister or a public authority and the certifying authority has issued a construction certificate subject to conditions, you can appeal against these conditions to the Land and Environment Court within 12 months from the date of the decision.

ATTACHMENT 1

2 Darcy Road, Westmead

SCHEDULE OF FIRE SAFETY MEASURES REQUIRED TO BE IMPLEMENTED IN THE BUILDING PREMISES

Upon completion of erection of the building, and prior to occupation, the owner of the building shall cause the Principle Certifying Authority to be given a fire safety certificate in relation to each essential and other fire safety measure included in the following schedule. Such Certificate shall state, in relation to each essential and other fire safety measure implemented in the building or on the land which the building is situated:

- a) that the measure has been assessed by a person (chosen by the owner of the building) who is properly qualified to do so; and
- b) that, as of the date of the assessment, the measure was found to be capable of performing to a standard of not less than that nominated below.

Fire Safety Measures Required to Be implemented in the Building

Fire Safety Measure	Standard of Performance
emergency lighting	BCA clause E4.2 & E4.4 & AS 2293.1-2005
exit signs	BCA clause E4.5, E4.6 & E4.8 & AS 2293.1-2005
fire hose reels	BCA clause E1.4 & AS 2441-2005
fire hydrants	BCA clause E1.3 & AS 2419.1-2005
mechanical ventilation (automatic shutdown)	NSW BCA Table 2.2b
portable fire extinguishers	BCA clause E1.6 AS 2444-2001

ATTACHMENT 2

SCHEDULE OF APPROVED PLANS AND SPECIFICATIONS

Architectural Plans

Project No. 08/050

Drawing No	Title	Date
A100 issue A	Overall Floor Plans	27/04/11
A103 issue A	Level 2- North Floor Plan	27/04/11
A104 issue A	Level 2 – South Floor Plan	27/04/11
A109 issue A	Level 2 – North Dimension Plan	27/04/11
A110 issue A	Level 2 – South Dimension Plan	27/04/11
A115 issue A	Level 2 Reflected Ceiling Plan	27/04/11
A200 issue A	Section – Sheet 1	27/04/11
A201 issue A	Sections – Sheet 2	27/04/11
A202 issue A	Sections – Sheet 3	27/04/11
A203 issue A	Sections – Sheet 4	27/04/11
A205 issue A	West Elevation	27/04/11
A206 issue A	East Elevation	27/04/11

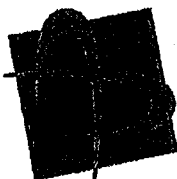
Prepared by Thomson Adsett (NSW) Pty Ltd

Specifications

1. Project Specification No. 08050, issue 03 dated March 2011, prepared by Thomson Adsett (NSW) Pty Ltd.

 **COPY**

Rec'd 28/9/11



Anthony Protas Consulting Pty Ltd
BUILDING REGULATIONS CONSULTANTS

Suite 1, 104 William Street
FIVE DOCK NSW 2046
Locked Bag 1001
WAREEMBA NSW 2046
p: (02) 9715-5333
f: (02) 9715-5666
email: mail@protas.net.au
web: www.protas.net.au

Application for construction certificate

1. Details of the applicant

Mr ☐ Ms ☐ Mrs ☐ Dr ☐ Other

First name

Family name

ThomsonAdsett

Flat/street no.

Level 1, 30

Street name

Cowper Street

Suburb or town

Parramatta

State

NSW

Postcode

2150

Daytime telephone

(02) 9689 2088

Fax

(02) 9635 8592

Mobile

Email

2. Identify the land

Flat/street no.

2

Street name

Darcy Road

Suburb or town

Westmead

Postcode

2145

Lot no.

1

Section

DP/MPS no.

1095407

Volume/folio

You can find the lot no., section, DP/MPS no. and volume/folio details on a map of the land or on the title documents for the land. If you need additional room, please attach a schedule and/or a map with these details.

3. Estimated cost of the development

\$

Including GST

4. Describe the development

What type of work do you propose to carry out?

Building work ☒

Subdivision work ☐

Describe the work

Building infill & fitout works to level 2 of Stage 1 Building B, Catholic Education Precinct Westmead.

For building work, what is the class of the building under the Building Code of Australia?

9b

This can be found on the development consent

Has development consent been granted for the development?

No ☐

Yes ☒ What is the development application no.?

DA/853/2008

What date was development consent granted?

14 April 2009

5. Information to be attached to the application

You need to provide material with your application that is relevant to the type of work you propose to do. Please indicate the material you have attached by placing a cross in the appropriate boxes ☐.

1. If you are going to carry out building work:

☒ a copy of any compliance certificates on which you rely

☒ detailed plans of the building (3 copies)

The plans must be drawn to a suitable scale and consist of a general plan and a block plan. The general plan of the building is to:

- show a plan of each floor section
- show each elevation of the building
- show the level of the lowest floor, the level of any yard or unbuilt area on that floor and the level of the ground
- indicate the fire safety and fire resistance measures (if any), and their height, design and construction

Where you propose to alter, add to or rebuild a building that is already on the land, or modify plans that have already been approved, please mark the general plan (by colour or otherwise) to show the change you propose to make.

☒ detailed specifications of the building (2 copies)

The specifications are to:

- describe the construction (including the standards that will be met), the materials which will be used to construct the building and the methods of drainage, sewerage and water supply
- state whether the materials proposed to be used are new or second hand and give details of any second-hand materials to be used.

Where you propose to modify specifications that have already been approved, please mark the approved specifications (by colour or otherwise) to show the modification.

☐ a plan of the existing building, drawn to scale, where the application involves building work to alter, enlarge or extend that building

This plan will assist the certifying authority to assess whether the work will reduce the fire protection capacity of the building.

5. continued

- ☐ where you propose to meet the performance requirements of the Building Code of Australia (BCA) by using an alternative solution to the deemed-to-satisfy provisions of the BCA:
- a list of the performance requirements you will meet by using the alternative solution
 - the details of the assessment methods you will use to meet those performance requirements
 - a copy of any compliance certificates on which you rely
- ☐ evidence of any accredited component, process or design on which you seek to rely
Components, processes or designs that relate to the erection or demolition of a building are accredited under the Environmental Planning and Assessment Regulation 2000.
- ☒ details of the fire safety measures, unless you are building a single dwelling or a non-habitable building or structure (such as a private garage, carport, shed, fence, antenna, wall or swimming pool). These details are to include:
- a list of any fire safety measures you propose to include in the building or on the land
 - if you propose to alter, add to or rebuild a building that is already on the land, a list of the fire safety measures that are currently used in the building or on the land
- The lists must describe the extent, capability and the basis of design of each measure.*
- ☒ the attached schedule, completed for the development
The information in the schedule will be used by the Australian Bureau of Statistics to report each quarter on the building activity that occurs in the economy. Building statistics allow governments and businesses to accurately identify main areas of population growth and demand for products and services.

You may also need to pay a long service levy under section 34 of the *Building and Construction Industry Long Service Payments Act 1986* (or where such a levy is payable by instalments, the first instalment of the levy) before the certifying authority can issue a certificate to you.

2. If you are going to carry out work to do a subdivision (eg building roads or a stormwater drainage system):

- ☐ the details of the existing and proposed subdivision pattern (including the number of lots and the location of roads)
- ☐ the details of the consultation you have carried out with the public authorities who provide or will increase the services you will need (like water, road, electricity, sewerage)
- ☐ the existing ground levels and the proposed ground levels when the subdivision is completed
- ☐ copies of any compliance certificates on which you rely
- ☐ detailed engineering plans (4 copies). The detailed plans might include the following:
- earthworks
 - roadworks
 - road pavement
 - road furnishings
 - stormwater drainage
 - water supply works
 - sewerage works
 - landscaping works
 - erosion control works

Where you propose to modify plans that have already been approved, please mark the approved plans (by colour or otherwise) to show the modification.

5. continued

3. If you are going to change the use of a building or the classification of a building under the Building Code of Australia and you are doing building work (unless the building will now be used as a single dwelling or a non-habitable building or structure (such as a private garage, carport, shed, fence, antenna, wall or swimming pool)):
- ☐ a list of any fire safety measures you propose to include in the building or on the land
 - ☐ If you propose to alter, add to or rebuild a building that is already on the land, a list of the fire safety measures that are currently used in the building or on the land
 - ☐ details as to how the building will comply with the Category One fire safety provisions of the Building Code of Australia

The lists of fire safety measures must describe the extent, capability and the basis of design of each measure.

6. Signatures

The owner(s) of the land must sign this application if:

- at the time the owner signed the development application, the owner did not give consent to the applicant to lodge a construction certificate, or
- the owner of the land has changed since the owner signed the development application.

As the owner(s) of the above property, I/we consent to this application:

Signature



Name

BERNARD RYALL

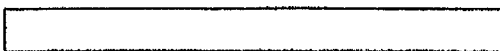
Date

20.4.2011

Signature



Name



Date



The applicant, or the applicant's agent, must sign the application.

Signature



Name, if you are not the applicant



In what capacity are you signing if you are not the applicant?

Employee of Applicant

20/4/2011

7. Privacy policy

The information you provide in this application will enable your application to be assessed by the certifying authority. If the information is not provided, your application may not be accepted. Please contact the council if the information you have provided in your application is incorrect or changes.


Anthony Protas Consulting Pty Ltd
BUILDING REGULATIONS CONSULTANTS

21 July 2011

Our Ref: 113291

The General Manager
Parramatta City Council
PO Box 32
Parramatta NSW 2124

Dear Sir,

**Re: Westmead Catholic Education Precinct, Stage 1 Building A
Construction Certificate**

Pursuant to the requirements of the Environmental Planning and Assessment Act please find attached a copy of our Construction Certificate, plans and specifications to which the Construction Certificate has been issued and other relevant documents.

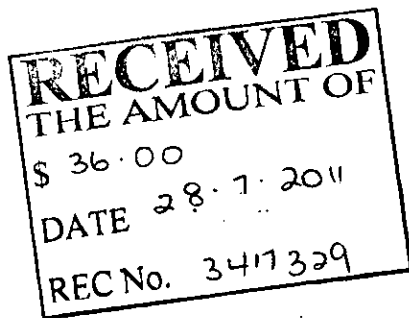
Should you have any questions, please do not hesitate to contact the undersigned.

Yours faithfully


Anthony Protas
Anthony Protas Consulting Pty Ltd

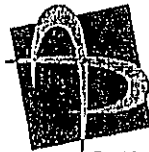


cc/388/2011



COPY

Rec'd 28/4/11.



Anthony Protas Consulting Pty Ltd
BUILDING REGULATIONS CONSULTANTS

Suite 1, 104 William Street
FIVE DOCK NSW 2046
Locked Bag 1001
WAREEMBA NSW 2046
p: (02) 9715-5333
f: (02) 9715-5668
email: mail@protas.net.au
web: www.protas.net.au

Application for construction certificate

1. Details of the applicant

Mr ☐	Ms ☐	Mrs ☐	Dr ☐	Other ☐
First name		Family name		
		ThomsonAdsett		
Flat/street no.		Street name		
Level 1, 30		Cowper Street		
Suburb or town		State	Postcode	
Parramatta		NSW	2150	
Daytime telephone		Fax	Mobile	
(02) 9689 2088		(02) 9635 8592		
Email				

2. Identify the land

Flat/street no.	Street name
2	Darcy Road
Suburb or town	Postcode
Westmead	2145
Lot no.	Section
1	
DP/MPS no.	Volume/folio
1095407	

You can find the lot no., section, DP/MPS no. and volume/folio details on a map of the land or on the title documents for the land. If you need additional room, please attach a schedule and/or a map with these details.

3. Estimated cost of the development

\$ Including GST

4. Describe the development

What type of work do you propose to carry out?

Building work ☒

Subdivision work ☐

Describe the work

Refurbishment of 3 existing classrooms in Block "A" into one classroom & a Hospitality teaching kitchen.

For building work, what is the class of the building under the Building Code of Australia?

9b

This can be found on the development consent

Has development consent been granted for the development?

No ☐

Yes ☒

What is the development application no.?

DA/853/2008

What date was development consent granted?

14 April 2009

5. Information to be attached to the application

You need to provide material with your application that is relevant to the type of work you propose to do. Please indicate the material you have attached by placing a cross in the appropriate boxes ☐.

1. If you are going to carry out building work:

☒ a copy of any compliance certificates on which you rely

☒ detailed plans of the building (3 copies)

The plans must be drawn to a suitable scale and consist of a general plan and a block plan. The general plan of the building is to:

- show a plan of each floor section
- show each elevation of the building
- show the level of the lowest floor, the level of any yard or unbuilt area on that floor and the level of the ground
- indicate the fire safety and fire resistance measures (if any), and their height, design and construction

Where you propose to alter, add to or rebuild a building that is already on the land, or modify plans that have already been approved, please mark the general plan (by colour or otherwise) to show the change you propose to make.

☒ detailed specifications of the building (2 copies)

The specifications are to:

- describe the construction (including the standards that will be met), the materials which will be used to construct the building and the methods of drainage, sewerage and water supply
- state whether the materials proposed to be used are new or second hand and give details of any second-hand materials to be used.

Where you propose to modify specifications that have already been approved, please mark the approved specifications (by colour or otherwise) to show the modification.

☐ a plan of the existing building, drawn to scale, where the application involves building work to alter, enlarge or extend that building

This plan will assist the certifying authority to assess whether the work will reduce the fire protection capacity of the building.

5. continued

- ☐ where you propose to meet the performance requirements of the Building Code of Australia (BCA) by using an alternative solution to the deemed-to-satisfy provisions of the BCA:
 - a list of the performance requirements you will meet by using the alternative solution
 - the details of the assessment methods you will use to meet those performance requirements
 - a copy of any compliance certificates on which you rely
- ☐ evidence of any accredited component, process or design on which you seek to rely
Components, processes or designs that relate to the erection or demolition of a building are accredited under the Environmental Planning and Assessment Regulation 2000.
- ☒ details of the fire safety measures, unless you are building a single dwelling or a non-habitable building or structure (such as a private garage, carport, shed, fence, antenna, wall or swimming pool). These details are to include:
 - a list of any fire safety measures you propose to include in the building or on the land
 - If you propose to alter, add to or rebuild a building that is already on the land, a list of the fire safety measures that are currently used in the building or on the land*The lists must describe the extent, capability and the basis of design of each measure.*
- ☒ the attached schedule, completed for the development
The information in the schedule will be used by the Australian Bureau of Statistics to report each quarter on the building activity that occurs in the economy. Building statistics allow governments and businesses to accurately identify main areas of population growth and demand for products and services.

You may also need to pay a long service levy under section 34 of the *Building and Construction Industry Long Service Payments Act 1986* (or where such a levy is payable by instalments, the first instalment of the levy) before the certifying authority can issue a certificate to you.

2. If you are going to carry out work to do a subdivision (eg building roads or a stormwater drainage system):
- ☐ the details of the existing and proposed subdivision pattern (including the number of lots and the location of roads)
 - ☐ the details of the consultation you have carried out with the public authorities who provide or will increase the services you will need (like water, road, electricity, sewerage)
 - ☐ the existing ground levels and the proposed ground levels when the subdivision is completed
 - ☐ copies of any compliance certificates on which you rely
 - ☐ detailed engineering plans (4 copies). The detailed plans might include the following:
 - earthworks
 - roadworks
 - road pavement
 - road furnishings
 - stormwater drainage
 - water supply works
 - sewerage works
 - landscaping works
 - erosion control works

Where you propose to modify plans that have already been approved, please mark the approved plans (by colour or otherwise) to show the modification.

5. continued

3. If you are going to change the use of a building or the classification of a building under the Building Code of Australia and you are doing building work (unless the building will now be used as a single dwelling or a non-habitable building or structure (such as a private garage, carport, shed, fence, antenna, wall or swimming pool)):
- ☐ a list of any fire safety measures you propose to include in the building or on the land
 - ☐ If you propose to alter, add to or rebuild a building that is already on the land, a list of the fire safety measures that are currently used in the building or on the land
 - ☐ details as to how the building will comply with the Category One fire safety provisions of the Building Code of Australia

The lists of fire safety measures must describe the extent, capability and the basis of design of each measure.

6. Signatures

The owner(s) of the land must sign this application if:

- at the time the owner signed the development application, the owner did not give consent to the applicant to lodge a construction certificate, or
- the owner of the land has changed since the owner signed the development application.

As the owner(s) of the above property, I/we consent to this application:

Signature

Name

Date

20.4.2011

Signature

Name

Date

The applicant, or the applicant's agent, must sign the application.

Signature

Name, if you are not the applicant

20/4/2011

In what capacity are you signing If you are not the applicant?

Employee of Applicant

7. Privacy policy

The information you provide in this application will enable your application to be assessed by the certifying authority. If the information is not provided, your application may not be accepted. Please contact the council if the information you have provided in your application is incorrect or changes.

Schedule to application for a construction certificate

Please complete this schedule. The information will be sent to the Australian Bureau of Statistics.

All new buildings

Please complete the following:

- Number of storeys (including underground floors)
- Gross floor area of new building (m²)
- Gross site area (m²)

1
N/A
N/A

Residential buildings only

Please complete the following details on residential structures:

- Number of dwellings to be constructed
- Number of pre-existing dwellings on site
- Number of dwellings to be demolished
- Will the new dwelling(s) be attached to other new buildings?
- Will the new building(s) be attached to existing buildings?
- Does the site contain a dual occupancy?
(NB dual occupancy = two dwellings on the same site)

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Materials – residential buildings

Please indicate the materials to be used in the construction of the new building(s):

Walls	Code	Roof	Code	Floor	Code	Frame	Code
Brick (double)	☒ 11	Tiles	☐ 10	Concrete or slate	☒ 20	Timber	☐ 40
Brick (veneer)	☐ 12	Concrete or slate	☐ 20	Timber	☐ 40	Steel	☒ 60
Concrete or stone	☐ 20	Fibre cement	☐ 30	Other	☐ 80	Aluminium	☐ 70
Fibre cement	☐ 30	Steel	☒ 60	Not specified	☐ 90	Other	☐ 80
Timber	☐ 40	Aluminium	☐ 70			Not specified	☐ 90
Curtain glass	☐ 50	Other	☐ 80				
Steel	☐ 60	Not specified	☐ 90				
Aluminium	☐ 70						
Other	☐ 80						
Not specified	☐ 90						

**Construction Certificate – Westmead Catholic Education
Precinct, Stage 1 Building A- Proposed refurbishment of three (3)
classrooms in Block A into one (1) classroom & a hospitality
teaching kitchen *BCA Class 9b***

1. Details of the applicant

Mr ☐ Ms ☐ Mrs ☐ Dr ☐ Other

First name Family name

Flat/street no. Street name

Suburb or town State Postcode

Daytime telephone Fax Mobile

Email

2. Details of the development consent

Development application no. Date the consent was issued

3. Decision of the certifying authority

This certificate is issued:

- ☒ without any conditions
- ☐ subject to conditions of the kind referred to in clauses 187 or 188 of the Environmental Planning and Assessment Regulation 2000

Conditions have been placed on the certificate for the following reasons:

- ☒ the issue of this certificate has been endorsed on the plans and specifications that were lodged with the application.

Plan no.s approved

Date of this decision

4. Information attached to this decision

- ☒ A fire safety schedule
- ☒ Schedule of approved plans & specifications

5. Certification

Anthony Protas

certifies that

if the work is completed following the plans and specifications which have been approved, it will comply with the requirements of the Environmental Planning and Assessment Regulation 2000 as referred to in section 81A(5) of the *Environmental Planning and Assessment Act 1979*.

Construction certificate no.

Date of this certificate

3291/11

21 July 2011

6. Signature

For this certificate to be valid, it must be signed by the certifying authority.

Signature



Name

Anthony Protas

Flat/Street no.

Street name

Locked Bag 1001

Suburb or town

State

Postcode

Wareemba

NSW

2046

Telephone

Fax

9715 5333

9715 5666

If the certifier is an accredited certifier:

Accreditation body of the certifier

Accreditation no. of the certifier

Building Professionals Board

BPB0332

7. Applicant's right of appeal

If the certifying authority is a council, a Minister or a public authority and the certifying authority has issued a construction certificate subject to conditions, you can appeal against these conditions to the Land and Environment Court within 12 months from the date of the decision.

ATTACHMENT 1

2 Darcy Road, Westmead

SCHEDULE OF FIRE SAFETY MEASURES REQUIRED TO BE IMPLEMENTED IN THE BUILDING PREMISES

Upon completion of erection of the building, and prior to occupation, the owner of the building shall cause the Principle Certifying Authority to be given a fire safety certificate in relation to each essential and other fire safety measure included in the following schedule. Such Certificate shall state, in relation to each essential and other fire safety measure implemented in the building or on the land which the building is situated:

- a) that the measure has been assessed by a person (chosen by the owner of the building) who is properly qualified to do so; and
- b) that, as of the date of the assessment, the measure was found to be capable of performing to a standard of not less than that nominated below.

Fire Safety Measures Required to Be implemented in the Building

Fire Safety Measure	Standard of Performance
emergency lighting	BCA clause E4.2 & E4.4 & AS 2293.1-2005
exit signs	BCA clause E4.5, E4.6 & E4.8 & AS 2293.1-2005
fire hose reels	BCA clause E1.4 & AS 2441-2005
fire hydrants	BCA clause E1.3 & AS 2419.1-2005
mechanical ventilation (automatic shutdown)	NSW BCA Table 2.2b
portable fire extinguishers	BCA clause E1.6 AS 2444-2001

ATTACHMENT 2

SCHEDULE OF APPROVED PLANS AND SPECIFICATIONS

Project No: 10367.05

Architectural Plans

Drawing No	Title	Date
A001 Revision A	Location & Roof Plans	14/07/11
A100 Revision E	Demolition & Proposed Floor Plans	13/07/11
A101 Revision A	Dimension & Ceiling Plans	14/07/11
A200 Revision C	Elevations & Sections	14/07/11

Prepared by Thomson Adsett

Specifications

1. Specification for Block A – Hospitality Revision 01, dated 14/07/11, prepared by Thomson Adsett Pty Ltd.



Shelmerdines
Consulting Engineers

6 June 2011
BK/ST: 5168_DCE-L3

Thomson Adsett
Level 1
30 Cowper Street
PARRAMATTA NSW 2150

Attention: Mr C. Nugent

Dear Sir

**WESTMEAD CATHOLIC EDUCATION PRECINCT STAGE 1 – BLOCK A HOSPITALITY
ELECTRICAL SERVICES**

We confirm that the design of the electrical services installation for the above project has been designed to the Building Code of Australia, the relevant Australian Standards and, in particular, the following standards and clauses:

Australian Standards

- Emergency and EXIT lighting complying with AS/NZS 2293.1
- Artificial lighting complying with AS 1680.0
- Kitchen artificial lighting complying with AS4674-2004.

Building Code of Australia

- Part E4 Emergency Lighting, Exit Signs and Warning Systems, Clauses E4.2, E4.4, E4.5, E4.6 and E4.8
- Part F4, Clause F4.4 Artificial Lighting.
- Part J6 Artificial Lighting and Power

We trust that the above is of assistance.

Yours faithfully
SHELMERDINES



Bruce Kennedy

E. Shelmerdine & Partners
Engineering Pty Ltd
ABN 40 003 331 879

55 Hume Street
Crows Nest NSW 2065

PO Box 1345
Crows Nest NSW 1585

Phone: 02 9436 3021
Fax: 02 9439 8709
Email: mail@shelmerdines.com.au

Directors

P.W. Matthews
R.W. Butt
B. Kennedy
D.A. Taylor
K.F. Murray

Associates

D.J. Powell
M.R. Lindley



Niven Donnelly & Partners Pty. Ltd.

ABN 58 100 760 316

Hydraulic, Electrical & Fire Protection Consultants

Suite 1, 769 Pacific Hwy, Chatswood NSW 2067 Australia

Fax. 02. 9884 8977

Telephone 02. 9884 8911

Email: admin@nivendonnely.com.au

Our Ref: 211030/VS/CF

1 June 2011

Thomson Adsett
PO Box W214
PARRAMATTA NSW 2150

Attention: Mr Chan Woo Lee

Dear Chan,

**Re: WESTMEAD CEP BUILDING A – HOSPITALITY
CERTIFICATE OF DESIGN – for Hydraulic and Fire Services**

Pursuant to the provisions of **Clause A2.2 of the Building Code of Australia**, I hereby certify that the above design is in accordance with normal engineering practice and meets the requirements of the Building Code of Australia and relevant Australian Standards. In particular the design is in accordance with the following:

- AS 3500 National Plumbing and Drainage Code Part 1, 2 & 4
- NSW Code of Practice Plumbing and Drainage
- Building Code of Australia Part E 1.3 and 1.4 Section J7
- AS 2444 - 2001 Portable Fire Extinguishers & Fire Blankets
- AS 2419.1 - 2005 Installation of Fire Hydrants
- AS 5601 - 2004 Gas Installations

We note that the school site has an existing fire hydrant system. It is our interpretation of the Standard that the existing fire hydrants located 30m south/west will provide the required protection to the new classroom.

I am an appropriately qualified and competent person in this area and as such can certify that the design and performance of the design systems comply with the above and which are detailed on the following drawings:

- | | | |
|----------|-----|--|
| • 211030 | H01 | Site Plan and Legend |
| • | H02 | Floor Plan Tradewaste Water & Gas Layout |

Yours faithfully,
NIVEN DONNELLY & PARTNERS PTY LTD


Viorica Steinhaus

Design Certificate

Directors: **Viorica Steinhaus Peter Donnelly**


AHSCA
CORPORATE MEMBER

The
**MA
CK
GROUP**

COMMERCIAL
KITCHEN
ARCHITECTS

2 Short Street
(cnr Balmain Rd)
LEICHHARDT
NSW 2040
AUSTRALIA

Telephone
61+2+9550 0566

Facsimile
61+2+9569 9372

e-mail
hq@mackgroup.com.au

7th June 2011

Thomson Adsett
30 Cowper Street
Parramatta NSW 2150

Ph 8820 3730

Attention: Ms. Chan-Woo Lee

Re: WESTMEAD CEP BUILDING

**HOSPITALITY KITCHEN
FOOD & BEVERAGE FACILITIES**

DESIGN CERTIFICATE

Dear Chan,

This is to confirm that, the kitchen complies with the requirements of the Food Act 2003, AS 4674 -2004 and the Food Regulation 2004.

I am a properly qualified person and have a good working knowledge of the regulations stated above. The information in this statement is true and accurate to the best of my knowledge.

Note that this certificate does not address items outside our scope, for example, finishes or services, and you need to get appropriate certification from the relevant consultants for these.

Yours sincerely



Teresa Mack
Bsc Arch., BArch.
Principal

Our Ref:
 3767
 7 June 2011

Parramatta City Council
 Darcy Street
 Parramatta NSW 2150

DESIGN CERTIFICATE

JOB DESCRIPTION WESTMEAD CATHOLIC EDUCATION PRECINCT
CERTIFICATE OF DESIGN MECHANICAL SERVICES
 AIR CONDITIONING & MECHANICAL VENTILATION
PROPOSAL BLOCK A HOSPITALITY
PROPERTY ADDRESS DARCY ROAD, WESTMEAD NSW 2145
DEVELOPMENT APPLICATION DA/853/2008
BUILDING CERTIFICATION SCOPE OF WORK

The Mechanical Services design is in accordance with the following:

- AS 1668 Part 1: 1998 "The use of mechanical ventilation and air conditioning in buildings"
- AS 1668 Part 2: 1991 "The use of mechanical ventilation and air conditioning in buildings"
- The Building Code of Australia, Clause F4.5 "Ventilation of rooms" - Clause F4.12 "Kitchen local exhaust ventilation"
- The Building Code of Australia, NSW Variation, Table E2.2b - "Class 9B - Assembly Buildings" - "Automatic shutdown of air handling systems"

Note: Where mechanical ventilation is not provided to sanitary compartments and occupied rooms, natural ventilation in accordance with the requirements of the Building Code of Australia, is to be designed and documented and certified by the Architects.

PLANS AND SPECIFICATIONS:

Drawing Nos.	Mechanical Services - Air Conditioning & Ventilation	Issue
3767-M-1	Cover Sheet, Schedules & Legend	A
3767-M-2	Floor Plan	A
3767-M-3	Sections	A
3767-M-4	Details	A
Specification 3767-M	Mechanical Services	Tender

Pursuant to the provisions of Clause A2.2 of the Building Code of Australia

- I, **Peter Dykman** of Kuttner Collins & Partners (NSW) Pty Ltd, certify that
- Each of the building components relating to the mechanical services system identified above:
 - has been assessed by me or a person (chosen by me) who was properly qualified to do so, and
 - has been designed in accordance with the design requirements in order to meet at least the minimum applicable Building Code of Australia requirements and/or the relevant Australian Standards above and to be capable of performing to a standard not less than that required
 - The information contained in this certificate is, to the best of my knowledge and belief, true and accurate
 - As an employee of Kuttner Collins & Partners (NSW) Pty Ltd, I possess indemnity insurance to the satisfaction of the building owner or my principal

Certified By

Full Name: Peter Anthony Dykman
 Position: Director
 Address of Designer: Suite 505, 1 Elizabeth Plaza, North Sydney NSW 2060
 Business Telephone No. (02) 9929 7411. Fax (02) 9959 5153
 Name of Employer: Kuttner Collins & Partners (NSW) Pty Ltd

Signature: _____

Our Ref: 3767

**BUILDING CODE OF AUSTRALIA (BCA)
COMPLIANCE CHECK LIST
BCA Section J****Certification of Air Conditioning and Ventilation Systems****PROJECT:** WESTMEAD CATHOLIC EDUCATION PRECINCT
BLOCK A - HOSPITALITY**ADDRESS:** Darcy Road Westmead, NSW 2145**BUILDING CLASSIFICATION:** Class "9b" Assembly Building**CLIMATE ZONE:** 6**Name of Assessor:** Peter Dykman**Signature of Assessor**

..... Date: 7 June 2011

BCA PART J5 - AIR CONDITIONING AND VENTILATION SYSTEMS				
BCA Clause No.	BCA Clause Description	Applicable YES / NO	Compliant YES / NO	Notes
J5.0	Deemed-to-Satisfy Provisions	Yes	Yes	
J5.1	Blank	-	-	
J5.2 (a)	An air conditioning unit or system must be capable of	Yes	Yes	
J5.2 (b)	A mechanical ventilation system must	Yes	Yes	
J5.2 (c)	The requirements of (a) and (b) must not inhibit	Yes	Yes	
J5.3	Time switch	Yes	Yes	
J5.4	Heating and chilling system	Yes	Yes	
J5.5	Miscellaneous exhaust systems	No	-	

BCA SPECIFICATION J5.2 - DUCTWORK INSULATION AND SEALING				
BCA Clause No.	BCA Clause Description	Applicable YES / NO	Compliant YES / NO	Notes
J5.2.1	Scope	No	-	
J5.2.2	Ductwork Sealing	No	-	
J5.2.3	Ductwork Insulation	No	-	

BCA SPECIFICATION J5.4 - INSULATING OF HEATING AND COOLING PIPING, VESSELS AND TANKS				
BCA Clause No.	BCA Clause Description	Applicable YES / NO	Compliant YES / NO	Notes
J5.4.1	Scope	No	-	
J5.4.2	Insulation	No	-	

BCA SPECIFICATION J3 - BUILDING SEALING				
BCA Clause No.	BCA Clause Description	Applicable YES / NO	Compliant YES / NO	Notes
J3.5	Exhaust fans	No	-	

Assessment based on the following information:

- Kuttner Collins Tender Drawings and Specification dated 7 June 2011

Levy Online Payment Receipt



Thank you for using our Levy Online payment system. Your payment for this building application has been processed.

Applicant Name:	CATHOLIC EDUCATION OFFICE PARRAMATT
Levy Application Reference:	5014940
Application Type:	CC
Application No.:	3251/11
Local Government Area/Government Authority:	PARRAMATTA CITY COUNCIL
Site Address:	2 DARCY ROAD
	WESTMEAD
	NSW
	2145
Value Of Work:	\$500,000
Levy Due:	\$1,750
Levy Payment:	\$1,750
Online Payment Ref.:	617142697
Payment Date:	23/05/2011 2:26:17 PM

Anthony Protas Consulting Pty Ltd
BUILDING REGULATIONS CONSULTANTS

5 August 2010

Our Ref: 103093

The General Manager
Parramatta City Council
PO Box 32
Parramatta NSW 2124

Our Ref: 103093

Dear Sir,

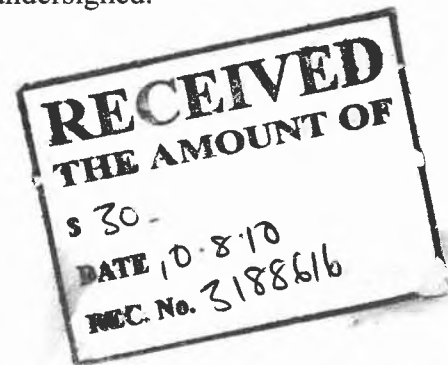
**Re: 2 Darcy Road, Westmead (Westmead Catholic Education Precinct)
Construction Certificate**

Pursuant to the requirements of the Environmental Planning and Assessment Act please find attached a copy of our Construction Certificate, plans and specifications to which the Construction Certificate has been issued and other relevant documents.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours faithfully

Anthony Protas
Anthony Protas Consulting Pty Ltd



CC/451/2010

**Construction Certificate – 2 Darcy Road, Westmead
(Westmead Catholic Education Precinct – Stage 1)**

**Construction of a new three (3) storey classroom, OOSH & administration
building, on-ground carparking and associated services**

BCA Class 5 & 9b

1. Details of the applicant

Mr ☐ Ms ☐ Mrs ☐ Dr ☐ Other ☐ Thomson Adsett (NSW) Pty Ltd

First name Family name

Flat/street no. Level 1, 30 Street name Cowper Street

Suburb or town Parramatta State NSW Postcode 2150

Daytime telephone 9689 2088 Fax 9635 8592 Mobile

Email

2. Details of the development consent

Development application no. DA/853/2008 Date the consent was issued 14 April, 2009

3. Decision of the certifying authority

This certificate is issued:

- ☒ without any conditions
- ☐ subject to conditions of the kind referred to in clauses 187 or 188 of the Environmental Planning and Assessment Regulation 2000

Conditions have been placed on the certificate for the following reasons:

- ☒ the issue of this certificate has been endorsed on the plans and specifications that were lodged with the application.

Plan no.s approved

Refer to the attached plan schedule

Date of this decision

5 August 2010

CC/451/2010

4. Information attached to this decision

- ☒ A fire safety schedule
☒ Schedule of approved plans & specifications

5. Certification**Anthony Protas**

certifies that

if the work is completed following the plans and specifications which have been approved, it will comply with the requirements of the Environmental Planning and Assessment Regulation 2000 as referred to in section 81A(5) of the *Environmental Planning and Assessment Act 1979*.

Construction certificate no.

3093/10

Date of this certificate

5 August 2010**6. Signature**

For this certificate to be valid, it must be signed by the certifying authority.

Signature



Name

Anthony Protas

Flat/Street no.

Locked Bag 1001

Street name

Suburb or town

Wareemba

State

NSW

Postcode

2046

Telephone

9715 5333

Fax

9715 5666

If the certifier is an accredited certifier:

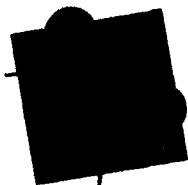
Accreditation body of the certifier

Building Professionals Board

Accreditation no. of the certifier

BPB0332**7. Applicant's right of appeal**

If the certifying authority is a council, a Minister or a public authority and the certifying authority has issued a construction certificate subject to conditions, you can appeal against these conditions to the Land and Environment Court within 12 months from the date of the decision.



Anthony Protas Consulting Pty Ltd
BUILDING REGULATIONS CONSULTANTS

Suite 1, 104 William Street
FIVE DOCK NSW 2046
Locked Bag 1001
WAREEMBA NSW 2046
p: (02) 9715-5333
f: (02) 9715-5666
email: mail@protas.net.au
web: www.protas.net.au

Rec'd 20/12/09

Application for construction certificate

1. Details of the applicant

Mr ☐ Ms ☐ Mrs ☐ Dr ☐ Other ☐

First name

Family name

ThomsonAdsett

Flat/street no.

Level 1, 30

Street name

Cowper Street

Suburb or town

Parramatta

State

NSW

Postcode

2150

Daytime telephone

(02) 9689 2088

Fax

(02) 9635 8592

Mobile

Email

2. Identify the land

Flat/street no.

2

Street name

Darcy Road

Suburb or town

Westmead

Postcode

2145

Lot no.

1

Section

DP/MPS no.

1095407

Volume/folio

You can find the lot no., section, DP/MPS no. and volume/folio details on a map of the land or on the title documents for the land. If you need additional room, please attach a schedule and/or a map with these details.

3. Estimated cost of the development

\$

including GST

4. Describe the development

What type of work do you propose to carry out?

Building work ☒

Subdivision work ☐

Describe the work

Construction of new 3 storey classroom, OOSH & administration building, on - ground carparking and associated services.

For building work, what is the class of the building under the Building Code of Australia?

9b & 5

This can be found on the development consent

Has development consent been granted for the development?

No ☐

Yes ☒ What is the development application no.?

DA/853/2008

What date was development consent granted?

14 April 2009

5. Information to be attached to the application

You need to provide material with your application that is relevant to the type of work you propose to do. Please indicate the material you have attached by placing a cross in the appropriate boxes ☐.

1. If you are going to carry out **building work**:

☒ a copy of any compliance certificates on which you rely

☒ detailed plans of the building (3 copies)

The plans must be drawn to a suitable scale and consist of a general plan and a block plan. The general plan of the building is to:

- show a plan of each floor section
- show each elevation of the building
- show the level of the lowest floor, the level of any yard or unbuilt area on that floor and the level of the ground
- indicate the fire safety and fire resistance measures (if any), and their height, design and construction

Where you propose to alter, add to or rebuild a building that is already on the land, or modify plans that have already been approved, please mark the general plan (by colour or otherwise) to show the change you propose to make.

☒ detailed specifications of the building (2 copies)

The specifications are to:

- describe the construction (including the standards that will be met), the materials which will be used to construct the building and the methods of drainage, sewerage and water supply
- state whether the materials proposed to be used are new or second hand and give details of any second-hand materials to be used.

Where you propose to modify specifications that have already been approved, please mark the approved specifications (by colour or otherwise) to show the modification.

☐ a plan of the existing building, drawn to scale, where the application involves building work to alter, enlarge or extend that building

This plan will assist the certifying authority to assess whether the work will reduce the fire protection capacity of the building.

5. continued

- ☐ where you propose to meet the performance requirements of the Building Code of Australia (BCA) by using an alternative solution to the deemed-to-satisfy provisions of the BCA:
- a list of the performance requirements you will meet by using the alternative solution
 - the details of the assessment methods you will use to meet those performance requirements
 - a copy of any compliance certificates on which you rely
- ☐ evidence of any accredited component, process or design on which you seek to rely
Components, processes or designs that relate to the erection or demolition of a building are accredited under the Environmental Planning and Assessment Regulation 2000.
- ☒ details of the fire safety measures, unless you are building a single dwelling or a non-habitable building or structure (such as a private garage, carport, shed, fence, antenna, wall or swimming pool). These details are to include:
- a list of any fire safety measures you propose to include in the building or on the land
 - if you propose to alter, add to or rebuild a building that is already on the land, a list of the fire safety measures that are currently used in the building or on the land
- The lists must describe the extent, capability and the basis of design of each measure.*
- ☒ the attached schedule, completed for the development
The information in the schedule will be used by the Australian Bureau of Statistics to report each quarter on the building activity that occurs in the economy. Building statistics allow governments and businesses to accurately identify main areas of population growth and demand for products and services.

You may also need to pay a long service levy under section 34 of the *Building and Construction Industry Long Service Payments Act 1986* (or where such a levy is payable by instalments, the first instalment of the levy) before the certifying authority can issue a certificate to you.

2. If you are going to **carry out work to do a subdivision** (eg building roads or a stormwater drainage system):

- ☐ the details of the existing and proposed subdivision pattern (including the number of lots and the location of roads)
- ☐ the details of the consultation you have carried out with the public authorities who provide or will increase the services you will need (like water, road, electricity, sewerage)
- ☐ the existing ground levels and the proposed ground levels when the subdivision is completed
- ☐ copies of any compliance certificates on which you rely
- ☐ detailed engineering plans (4 copies). The detailed plans might include the following:
- earthworks
 - roadworks
 - road pavement
 - road furnishings
 - stormwater drainage
 - water supply works
 - sewerage works
 - landscaping works
 - erosion control works

Where you propose to modify plans that have already been approved, please mark the approved plans (by colour or otherwise) to show the modification.

5. continued

3. If you are going to **change the use of a building** or the classification of a building under the Building Code of Australia and you are doing building work (unless the building will now be used as a single dwelling or a non-habitable building or structure (such as a private garage, carport, shed, fence, antenna, wall or swimming pool)):
- ☐ a list of any fire safety measures you propose to include in the building or on the land
 - ☐ if you propose to alter, add to or rebuild a building that is already on the land, a list of the fire safety measures that are currently used in the building or on the land
 - ☐ details as to how the building will comply with the Category One fire safety provisions of the Building Code of Australia

The lists of fire safety measures must describe the extent, capability and the basis of design of each measure.

6. Signatures *SEE ANNEXURE "A"*

The owner(s) of the land must sign this application if:

- at the time the owner signed the development application, the owner did not give consent to the applicant to lodge a construction certificate, or
- the owner of the land has changed since the owner signed the development application.

As the owner(s) of the above property, I/we consent to this application:

Signature

Name

Date

Signature

Name

Date

The applicant, or the applicant's agent, must sign the application.

Signature

Name, if you are not the applicant

Date

In what capacity are you signing if you are not the applicant?

Employee of Applicant

7. Privacy policy

The information you provide in this application will enable your application to be assessed by the certifying authority. If the information is not provided, your application may not be accepted. Please contact the council if the information you have provided in your application is incorrect or changes.

Schedule to application for a construction certificate

Please complete this schedule. The information will be sent to the Australian Bureau of Statistics.

All new buildings

Please complete the following:

- Number of storeys (including underground floors)
- Gross floor area of new building (m²)
- Gross site area (m²)

3

N/A

N/A

Residential buildings only

Please complete the following details on residential structures:

- Number of dwellings to be constructed
- Number of pre-existing dwellings on site
- Number of dwellings to be demolished
- Will the new dwelling(s) be attached to other new buildings?
- Will the new building(s) be attached to existing buildings?
- Does the site contain a dual occupancy?
(NB dual occupancy = two dwellings on the same site)

Yes ☐ No ☐Yes ☐ No ☐Yes ☐ No ☐

Materials – residential buildings

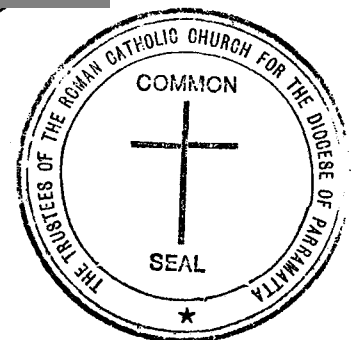
Please indicate the materials to be used in the construction of the new building(s):

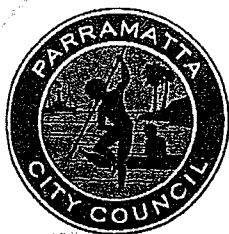
Walls	Code	Roof	Code	Floor	Code	Frame	Code
Brick (double)	☒ 11	Tiles	☐ 10	Concrete or slate	☒ 20	Timber	☐ 40
Brick (veneer)	☐ 12	Concrete or slate	☐ 20	Timber	☐ 40	Steel	☒ 60
Concrete or stone	☐ 20	Fibre cement	☐ 30	Other	☐ 80	Aluminium	☐ 70
Fibre cement	☒ 30	Steel	☒ 60	Not specified	☐ 90	Other	☐ 80
Timber	☐ 40	Aluminium	☐ 70			Not specified	☐ 90
Curtain glass	☐ 50	Other	☐ 80				
Steel	☐ 60	Not specified	☐ 90				
Aluminium	☐ 70						
Other	☐ 80						
Not specified	☐ 90						

**THIS IS ANNEXURE "A" BEING SIGNATURES OF OWNERS IN AN
APPLICATION FOR A CONSTRUCTION CERTIFICATE DATED 11
DECEMBER 2009 FOR CONSTRUCTION OF A NEW 3 STOREY CLASSROOM,
OOSH, ADMINISTRATION BUILDING, ON-GROUND CARPARKING AND
ASSOCIATED SERVICES FOR LOT 1 DP 1095407**

**THE COMMON SEAL of THE TRUSTEES)
OF THE ROMAN CATHOLIC CHURCH)
FOR THE DIOCESE OF PARRAMATTA)
was hereunto affixed in pursuance of a)
resolution passed at meeting of the said Body)
Corporate in the presence of the Bishop and)
two other members thereof whose signatures)
are set opposite hereto:-**

) [REDACTED]
) [REDACTED]
) Bishop [REDACTED]
) [REDACTED]
) ... [REDACTED] ..
) Member [REDACTED]
) [REDACTED]
) [REDACTED] ..
) Member [REDACTED]





CONDITIONS
2 & 3

Your Reference:
Our Reference: DA/853/2008
Contact: Jonathan R Goodwill
Telephone: 9806 5600
Fax: 9806 5917

Northrop Consulting Engineers Pty Ltd
ATTN: Kevan Meldrum
Suite 203, 10 Century Circuit Norwest Business Park
BAULKHAM HILLS NSW 2153

6 October 2009

Dear Kevan,

Application No.: DA/853/2008
Property: Lot 1 DP 1095407
2 Darcy Road, WESTMEAD NSW 2145
Proposal: Civil works associated with an approved development for:

Demolition, tree removal, refurbishment as well as alterations and additions to 2 existing high schools (Catherine McAuley and Parramatta Marist) and the construction of a new primary school for 420 students.

In response to your correspondence dated 16 September 2009 the works are approved subject to the following conditions:

SCHEDULE OF APPROVED PLANS

Document Title	Document No	Issue
Cover sheet, notes & drawing schedule	DR C1.01	C
Overall site plan	DR C2.01	C
Set out plan	DR C3.01	B
Signage and line marking plan	DR C4.01	B
Pavement reconstruction plan – Sheet 1 of 2	DR C5.01	C
Pavement reconstruction plan – Sheet 2 of 2	DR C5.02	B
Details sheet	DR C6.01	C
Traffic control plan – Area C short term works	DR TM1.01	C
Traffic control plan – Area B	DR TM2.01	B
Traffic control plan – Area A	DR TM3.01	C

CONDITIONS OF APPROVAL

1. A dilapidation report is to be provided to Council showing existing defects on Council's footpaths and road pavement prior to commencement of works.
2. A copy of approved Traffic Management Plan and RTA Road Occupancy Permit is to be provided to Council prior to commencement of works.
3. All completed works to be inspected by Council for compliance. Please contact Development Unit in first instance to coordinate all inspections.
4. Notification of works to appropriate stakeholders is the responsibility of the applicant.
5. Provide Council with a contact name and phone number for emergency contact during the construction phase prior to commencement of works
6. The existing and proposed parking signs in Darcy Road as shown on the plans (refer to Drawing No.- DR C4.01 Revision B) are considered satisfactory except for the following:
 1. Existing 'No Parking' (R & L) (north side) sign next to 'Mail Zone' (R) sign should be changed to 'No Stopping' (R & L) sign. A Maintenance Instruction has been sent to RTA to install the correct signage.
 2. 'No Stopping' (part-time) (north side) along side 'Bus Zone' (L) sign to be changed to '2P 10am-2:30pm Mon-Fri' sign. This matter will be referred to Parramatta Traffic Committee under Delegated Authority at its next available meeting. Signs may not be installed until the requisite approval has been obtained from Council.

Yours faithfully



Jonathan Goodwill
Senior Development Assessment Officer

What You Must Do To Get A Section 73 Certificate

Summary

This is a summary of Sydney Water's requirements. The detailed list begins on the next page.

You must do all of the following things:

- 1. Have your building plans approved and stamped because what you are building may be over or near our pipes and we need to check your property building plans. Your Coordinator can tell you more about this and help with the approval.**

Other things you need to do:

At the end of this Notice are some other things that you may need to do. They are NOT a requirement to be met before the Certificate can issue but may well be a requirement of Sydney Water in the future because of the impact of your development on our assets. You must read them before you go any further.

DETAILED REQUIREMENTS

1. Stamping and Approval of Your Building Plans

You must have your building plans stamped and approved **before the Certificate can be issued. Building construction work MUST NOT commence until Sydney Water has granted approval.** Approval is needed because construction/building works may affect Sydney Water's assets (e.g. water and sewer mains).

Your Coordinator can tell you about the approval process including:

- Your provision, if required, of a "Services Protection Report" (also known as a "pegout). This is needed to check whether the building and engineering plans show accurately where Sydney Water's assets are located in relation to your proposed building work. Your Coordinator will then either approve the plans or make requirements to protect those assets before approving the plans;
- Possible requirements;
- Costs; and
- Timeframes.

You can also find information about this process (including technical specifications) if you either:

- visit www.sydneywater.com.au > Building Developing and Plumbing > Building and Renovating. Here you can find Sydney Water's *Guidelines for Building Over/Adjacent to Sydney Water Assets*; or
- call 13 20 92.

Notes:

- The Certificate will not be issued until the plans have been approved and, if required, Sydney Water's assets are altered or deviated;
- You can only remove, deviate or replace any of Sydney Water's pipes using temporary pipework if you have written approval from Sydney Water's Development Operations Branch;
- You must obtain our written approval before you do any work on Sydney Water's systems. Sydney Water will take action to have work stopped on the site if you do not have that approval. We will apply Section 44 of the *Sydney Water Act 1994*; and
- To obtain these approvals, you must engage your current or another authorised Coordinator to make another application for approval (and pay an application fee) and manage the design and construction of the works. Coordinators will give you a quote or information about costs for services/works, including Sydney Water costs.

For a list of authorised Coordinators, either visit www.sydneywater.com.au > Building Developing and Plumbing > Developing Your Land or call 13 20 92.

You will need to sign a Major Works Agreement before you can construct the works. Sydney Water will need to see the completed designs for the work before construction and we will require you to lodge a security. The security will be refunded once the work is completed.

OTHER THINGS YOU NEED TO DO:

Shown below are other things you need to do that are NOT a requirement for the Certificate. They may well be a requirement of Sydney Water in the future because of the impact of your development on our assets. You must read them before you go any further.

(1) Water and sewer information**(a) Water:**

Your development must have a frontage to a water main that is the right size and can be used for connection.

Sydney Water has assessed your application and found that:

- The existing 250mm DICL water main in Darcy Rd will serve Lot 1. Each lot must have its own connection to that water main and a water service and meter.

Large water service connection

A water main is available to provide your development with a domestic supply. The size of your development means that you will need a connection larger than the standard domestic 20 mm size.

To get approval for your connection, you will need to lodge an application with a Quick Check agent. You, or your hydraulic consultant, may need to supply the following:

- A plan of the hydraulic layout;
- A list of all the fixtures/fittings within the property;
- A copy of the fireflow pressure inquiry issued by Sydney Water;
- A pump application form (if a pump is required);
- All pump details (if a pump is required).

You will have to pay an application fee.

Sydney Water does not consider whether a water main is adequate for fire fighting purposes for your development. We cannot guarantee that this water supply will meet your Council's fire fighting requirements. The Council and your hydraulic consultant can help.

(b) Sewer:

Your development must have a sewer main that is the right size and can be used for connection. That sewer must also have a connection point within your development's boundaries.

Sydney Water has assessed your application and found that:

- The existing 300mm SGW sewer main in Lot 1 will serve Lot 1.

(2) Trade waste and backflow prevention

Should this development generate trade wastewater, this notice of requirements does not guarantee the applicant that Sydney Water will accept the trade wastewater to its sewerage system. For further information please visit the Sydney Water website at, <http://www.sydneywater.com.au/OurSystemsAndOperations/Tradewaste/> or contact a Trade Waste Customer Service Representative on (02) 9622 2244.

Prospective Purchasers should be made aware of the above situation under the requirements of vendor disclosure.

In accordance with Sydney Water's Backflow Prevention Policy, you may be required to install a backflow prevention containment device immediately downstream of each water meter service the property. The device must be installed as a condition of continued use of the water supply. Failure to install and maintain the device may result in disconnection of the water service. A copy of Sydney Water's Backflow Prevention Policy is available on the Sydney Water Website at, <http://www.sydneywater.com.au/BuildingDevelopingandPlumbing/BackflowPrevention>

(3) Soffit requirements

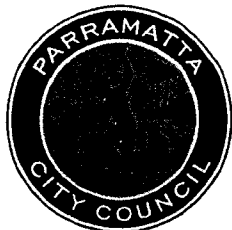
You must be sure that floor levels meet Sydney Water's soffit requirements for property connection and drainage.

(4) Other fees and requirements

The requirements in this Notice relate to your Certificate application only. Sydney Water may be involved with other aspects of your development and there may be other fees or requirements. These include:

- plumbing and drainage inspection costs;
- the installation of backflow prevention devices;
- trade waste requirements;
- large water connections; and
- council fire fighting requirements. (It will help you to know what the fire fighting requirements are for your development as soon as possible. Your hydraulic consultant can help you here.)

END OF NOTICE



Your Reference:
Our Reference:
Contact: A. Overton
Telephone: 9806 5475
Fax:

17 March 2010

Chris Nugent
Architect
Thomson Adsett Pty Ltd
Level 1, 30 Cowper Street
PO Box W214
Parramatta NSW 2160

Dear Mr Nugent,

**Re: Condition 43, Stage 1 Artwork Approval – DA 853/2008
Westmead Catholic Education Precinct – 2 Darcy Road, Westmead**

Thank you for the recent submission and presentation of additional documentation that details the realisation of the proposed Stage 1 Arts Plan for Westmead Catholic Education Precinct – 2 Darcy Road, Westmead.

The work undertaken to realise the proposed key artwork framed from the Stage 1 Arts Plan is commendable, and hence the additional design documentation on the proposed artworks provided is to Council's satisfaction and approved subject to the following:

- The artworks are installed as indicated on the site and elevation plans as submitted.
- That the artwork and fixings are appropriately structurally certified where appropriate.
- In respect to the further design/development of 'Crystal Rosary' artwork that consideration is given to the appropriate choice of materials, finishes and fixings that will assist in emphasising the three dimensional quality and presentation of the artwork onto the building.

Council wishes to thank you and your team including the artist Marian Abboud for your professionalism in supporting our arts planning objectives and look forward to viewing the completed work.

Should you require any clarification of the information supplied above, or have any further questions please do not hesitate to contact me on 9806 5475.

Yours sincerely

A rectangular grey box redacting the signature of Andrew Overton.

Andrew Overton
Project Officer – Animating the City

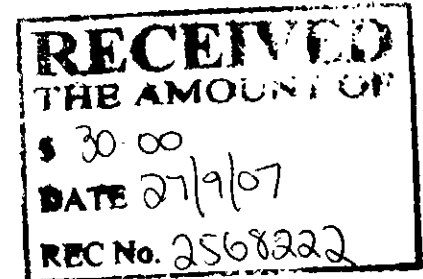
Construction Certificate

Section 109C(1)(b) of the Environmental Planning and Assessment Act 1979

PCA, Applicant & Site Details

1. Location and Title Description of the Property/Land:

Street No & Street: 2 Darcy Road
Suburb: Westmead
Lot(s): 3
Deposited Plan(s): 1090838



2. Applicant:

Family/Company Name: Trustees of the Roman Catholic Diocese of Parramatta
Postal Address: Marist Place
Parramatta

3. Principal Certifying Authority:

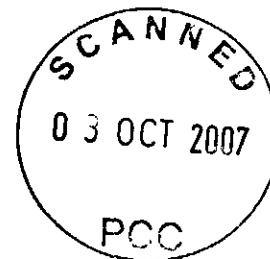
Name: Mr Warrick B. Norris, Urban Approvals Pty Limited ACN 096 508 842
Accreditation No.: BPB0298
Accreditation Body: Building Professionals Board

Certification Details

4. Particulars

Determination: ☒ Approved ☐ Refused
Construction Certificate
Determination Date: 13th September 2007

Construction Certificate No.: PC17707
Building Code of Australia
Classifications: 10a
DA Consent No. and Date: 254/2007 - 4th May 2007
Building Details: All weather shelter for playground



5. PCA's Certification Statement

I, Warrick Norris, certify, that building work completed in accordance with documentation accompanying the application for the certificate (with such modifications verified by the certifying authority as may be shown on that documentation) will comply with the requirements of this Regulation as are referred to in section 81A (5) of the Environmental Planning and Assessment Act 1979.

PCA's Signature & Date: 13th September 2007

6. Construction Certificate Attachments

Signed Urban Approvals Pty Ltd Application Forms & Building Schedule
Architectural Plans by Glanville Architects numbered DA01
Structural Engineer's Plans by Glenn Price
Council Receipts

URBAN APPROVALS P/L ABN 82 096 508 842

Unit 21, 34-36 Abel Street Penrith NSW 2750

Ph: 1300 30 44 20

Private Box 39 Southlands Centre, Penrith South NSW 2750

Fax: 1300 30 46 20

www.urbanapprovals.com.au

admin@urbanapprovals.com.au



Construction Certificate Application

Section 109C(1)(b) of the Environmental Planning and Assessment Act 1979

Receipt of Application

Date:

12/9/07

Delivery by:

☒ Hand

☐ Post

☐ Electronic Transmission

(Must not be by facsimile)

Signed by Urban Approvals:

Application & Site Details

1. DA, Consent Details:

(You may only make this application if you already have development consent)

DA No.:

254-07

Consent No.:

DA/254/2007

Consent Date:

4/5/2007

Building Code of Australia

Classification:

(As specified on the Consent)

2. Applicant:

Family/Company Name:

ANDERSON STEEL BUILDINGS P.L.

Given Names/ACN:

114 688 612

Postal Address:

165 AVON RD

BRINGELLY 2557

Phone:

47748036

Facsimile:

47749155

Contact Person:

DAVID ANDERSON

3. Owner(s) of Property:

Family/Company Name:

Given Names/ACN:

Postal Address:

Phone:

4. **Location and Title Description of the Property/Land:**

Street No & Street: 2 DAKLY RD
 Suburb: WESTHEAD 2145
 Lot(s): 3
 Section:
 Deposited Plan(s): 1090838
 Strata Plan:
 Other:

5. **Description of Building Work:**

Detailed Description: INSTALL SKILLION ROOF
 ALL WEATHER SHELTER
 IN PLAYGROUND.

6. **If required, have you provided:**

- ☐ 4 copies of the detailed building plans ☐ 2 copies of any compliance certificates to be relied upon
☐ 4 copies of the specifications ☐ proposed/existing fire safety measures
☐ 2 copies of certified engineering details ☐ design verification statement (certain residential flat buildings)
☐ Other.....

7. **Estimated Cost of the Development**

\$ 72 K.

8. **Builder/Owner Builder**

Name: ANDERSON STEEL BUILDINGS P. L.
 Contact Phone No.: 47748036
 Contractor Licence No.: 42626
OR
 Owner Builder Permit No.:
 (Required for residential building over
 exceeding \$5,000)

9. **Do you need:**

(If YES, please attach proof of payment and/or compliance)

(a) to pay the Building Industry Long Service Levy?

(Required if development involves building work which exceeds \$24,999) ☒ Yes
☐ Not Applicable

(b) Home Building Act Insurance?

(Required if using builder for residential building work which exceeds \$12,000. A certificate of insurance must be provided with this Application) ☐ Yes
☒ Not Applicable

(c) to register with the Australian Taxation Office under the prescribed payments scheme?

☐ Yes
☒ Not Applicable

10. Have you complied with all the conditions of development consent that require specific matters to be completed or satisfied before a construction certificate may be issued?

(eg. Landscape & drainage plans, drainage calculations, section 94 contributions) ☒ Yes
☐ Not Applicable

11. List of documents accompanying this Application:

☒ NOTICE OF DETERMINATION - WITH STAMPED DRAWING (ARCHITECTURAL)
☒ ENGINEER DESIGNED DRAINAGE DRAWING.
☒ CONNECTION DETAIL AS ENGINEERED.
☒ STEEL HAULING PLAN
☒ SITE PLAN

12. Schedule

(The attached schedule is to be completed for the purpose of providing information to the Australian Bureau of Statistics.)

Payment of Fees

13. Fees and Charges:

The Owner/Applicant agrees to pay Urban Approvals the fees and charges set out in the Fee Schedule, as updated and/or amended from time to time.

Execution

14. Owner's Consent:

(Must be signed by the owner of the land. If more than one owner, every owner must sign. If the owner is a company, must be signed by a director of the company)

As owner of the land to which this application relates, I consent to this application. I also give consent for authorised officers of Urban Approvals to enter the land to carry out inspections.

Signature of Owner/s:  Date: 16/8/2007

If you are signing on the owner's behalf as the owner's legal representative, please state the nature of your legal authority and attach documentary evidence (eg power of attorney, executor, trustee, director).

Signature on behalf of Owner/s: Date:

15. Applicant's Declaration**DECLARATION**

I apply for a Construction Certificate to carry out the development described in this application. I declare that all the information given is true and correct. I also understand that:

- (a) If incomplete, the application may be delayed or rejected, and
- (b) More information may be requested by Urban Approvals prior to determination.

Signature of Applicant: 



PC 17707

**Notice of Commencement of Building Works
and Appointment of Principal Certifying Authority**
Section 81A (2)(b)(ii), (2)(b2)(ii) or (4)(b) of the Environmental Planning and Assessment Act 1979

Applicant & Site Details

1. Applicant:

Family/Company Name:

ANDERSON STEEL BUILDINGS.

Given Names/ACN:

114 688 612.

Postal Address:

165 AVON RD

BRINGELLY 2557

Phone:

4774 8036

Facsimile:

4774 9155

DECLARATION

I declare that all the information given is true and correct.

Signature of Applicant:...

2. Location and Title Description of the Property/Land:

Street No & Street:

2 DARCY RD

Suburb:

WESTMEAD

Lot(s):

3

Section:

Deposited Plan(s):

1090838

Strata Plan:

Other:

4. Owner(s) of Property:

Family/Company Name:

Given Names/ACN:

→ Postal Address:

Phone:

Development Approval Details

5. Description of Development:

Detailed Description:

INSTALL SKIMION ROOF ALL
WEATHER SHELTER IN PLAYGROUND

Type of work:

☒ Building

☐ Subdivision

6. Development Consent:

Development Consent No.:

DA /254/2007

Determination Date:

4/5/2007

7. Construction Certificate:

Construction Certificate No.:

PC 17707

Issue Date:

Appointment of Principal Certifying Authority

8. Principal Certifying Authority:

Name:

Mr Warrick B. Norris

Urban Approvals Pty Limited ACN 096 508 842

Accreditation No.:

6328

Phone:

1300 30 44 20

Facsimile:

1300 30 46 20

9. Compliance with Development Consent:

(Have all conditions required to be complied with prior to commencing work been satisfied?)

☒ Yes

☐ No

By answering YES the Applicant is certifying that all conditions have been satisfied. If all conditions have not been satisfied, you may be prosecuted and orders sought to cease all work until compliance is satisfied.

Builder

10. Builder/Owner Builder:

Name:

ANDERSON STEEL BUILDINGS P.L.

Contact Phone No.:

47748036

Contractor Licence No.:

42626

OR

Owner Builder Permit No.:

11. Certificate under Part 6 of the Home Building Act 1989:

☐ Yes

☒ No

Has Urban Approvals been provided a copy of the Home Warranty Insurance Certificate under Part 6 of the Home Building Act 1989 (NB: Not required for owner builders however by undertaking work without Home Warranty Insurance, the owner assumes all risk and liability. If the owner seeks to sell the residence within 7 years of completion of the work then insurance must be taken out).

Commencement Date of Work

12. Date work is to commence:

This Notice of Commencement must be lodged with Council not less than 2 days before this commencement date.

20/9/07

Payment of Fees

13. Fees and Charges:

The Owner/Applicant agrees to pay Urban Approvals the fees and charges set out in the Fee Schedule, as updated and/or amended from time to time.

Execution

14. Owner's Consent:

(Must be signed by the owner of the land. If more than one owner, every owner must sign. If the owner is a company, must be signed by a director of the company)

As owner of the land to which this application relates, I consent to this application. I also give consent for authorised officers of Urban Approvals to enter the land to carry out inspections.

Signature of Owner/s: _____ Date: _____

If you are signing on the owner's behalf as the owner's legal representative, please state the nature of your legal authority and attach documentary evidence (eg power of attorney, executor, trustee, director).

Signature on behalf of Owner/s: _____ Date: _____

15. Applicant's Declaration

DECLARATION

I declare that all the information given is true and correct. I also understand that:

- (a) If incomplete, the application may be delayed or rejected, and
- (b) More information may be requested within 21 days of lodgement.

Signature of Applicant: _____

To be Completed by Urban Approvals

Date Receipt of this Notice:

18/9/07

Construction Certificate Issued:

☒ Yes☐ No

Notice of Appointment to Consent

Authority / Council:

☒ Yes☐ No☐ Not Applicable*(2 days prior to commencement of works)*

Notice of critical stage inspections to

Applicant/Owner/Principal Contractor:

☒ Yes☐ No☐ Not Applicable*(2 days prior to commencement of works)*

Signed by Urban Approvals:

.....



2233/B/163/1501/4
RGP:KP

Mr W.A. O'Donnell,
Catholic Education Office,
P.O. Box 217,
LEICHHARDT NSW 2040

February 23, 1988

Dear Mr O'Donnell,

Development Application - 2 Darcy Road, Westmead

Reference is made to your development application dated December 12, 1987 seeking approval to the erection of two (2) temporary demountable classrooms at Parramatta Marist High School at 2 Darcy Road, Westmead and it is advised that this matter was considered by Council at its meeting on February 22, 1988.

At that meeting Council resolved that your application be approved subject to the following conditions:

- (i) Plans and specifications (four (4) copies) shall be submitted for approval prior to the commencement of any building alterations. Such application and plans are to comply with the requirements of the Local Government Act, 1919, as amended, Ordinance 70 for a building outside a fire zone Class (Xb) with a minimum construction standard for Type 5 building.
- (ii) Compliance with all the requirements of the City Health and Building Surveyor.
- (iii) All vehicles associated with the use are to be parked on the site at all times.
- (iv) All loading and unloading to be conducted within the site at all times.
- (v) The use is to be conducted at all times without interference to the amenity of the area.
- (vi) The beautification is to be maintained to Council's satisfaction.
- (vii) Compliance with all the requirements of the City Engineer, viz:-
 - (A) A cash bond of \$1,000 is to be lodged with the letter of acceptance following Development Approval, prior to any site works, to cover any possible damage to Council's assets as a result of demolition of existing buildings, excavation of the site below ground level, and the disposal of material from the site. The balance of the bond will be refunded on the satisfactory completion of construction works to no less than footpath level;
- (viii) During construction work, no building materials are to be stored on the Council's footpath.

(cont.../2)

CP. Noted
24.2.88

14 DEC 1988

REFERRED TO CHIEF TOWN PLANNER

FILED

Mr W.A. O'Donnell

Page 2

(ix)

It should be clearly understood that this consent in no way relieves the owner or applicant from the obligation to obtain any other approval which may be required under the Local Government Act, 1919, as amended, or any other Act, ordinance, regulation or bylaw. In particular, this consent is not an approval to carry out any works whatsoever, such requiring the prior submission to the Council of a formal building application and compliance with all the requirements of Council's City Health and Building Surveyor.

(x)

Written acceptance of the above conditions by both the owner and the applicant.

You are also advised of your right of appeal to the Land & Environment Court against all or any of the above conditions of approval.

Yours faithfully,



(R. G. MUDDLE)
Town Clerk.

Copies to CHS, CRP, CLZ

FILED

TOONGABBIE WARD COMMITTEE

15 FEB 1988

8. Catholic Education Office (2233/B, 4/1/88)
-Also, Chief Town Planner (2233/B, 28/1/88) submitting Chief Town
Planner's Report No. 70/88 and Appendix "A" - copies attached.

8. Catholic Education Office (2233/B, 4/1/88) submitting a development
application seeking approval for the erection of two (2) temporary
demountable classrooms for Parramatta Marist High School at 2 Darcy
Road, Westmead.

Recommendation: That:-

- (a) The application be approved subject to the following conditions:-

- (i) Plans and specifications (four (4) copies) shall be submitted for approval prior to the commencement of any building alterations. Such application and plans are to comply with the requirements of the Local Government Act, 1919, as amended, Ordinance 70 for a building outside a fire zone Class (Xb) with a minimum construction standard for Type 5 building.
 - (ii) Compliance with all the requirements of the City Health and Building Surveyor.
 - (iii) All vehicles associated with the use are to be parked on the site at all times.
 - (iv) All loading and unloading to be conducted within the site at all times.
 - (v) The use is to be conducted at all times without interference to the amenity of the area.
 - (vi) The beautification is to be maintained to Council's satisfaction.
 - (vii) Compliance with all the requirements of the City Engineer, viz:-
 - (A) A cash bond of \$1,000 is to be lodged with the letter of acceptance following Development Approval, prior to any site works, to cover any possible damage to Council's assets as a result of demolition of existing buildings, excavation of the site below ground level, and the disposal of material from the site. The balance of the bond will be refunded on the satisfactory completion of construction works to no less than footpath level;
 - (viii) During construction work, no building materials are to be stored on the Council's footpath.
 - (ix) It should be clearly understood that this consent in no way relieves the owner or applicant from the obligation to obtain any other approval which may be required under the Local Government Act, 1919, as amended, or any other Act, ordinance, regulation or bylaw. In particular, this consent is not an approval to carry out any works whatsoever, such requiring the prior submission to the Council of a formal building application and compliance with all the requirements of Council's City Health and Building Surveyor.
 - (x) Written acceptance of the above conditions by both the owner and the applicant.
- (b) The applicant be advised of the right of appeal to the Land and Environment Court against all or any of the above conditions of approval.

THE PARRAMATTA CITY COUNCIL

CHIEF TOWN PLANNER'S REPORT NO:

70/88

JANUARY 28, 1988



8

SUBJECT:

2 DARCY RD. WESTMEAD.
ERECTION OF TWO TEMPORARY DEMOUNTABLE CLASSROOMS.
CATHOLIC EDUCATION OFFICE.

REFERENCE:

2233/B/163/1501/4

1. SUBJECT MATTER:

CATHOLIC EDUCATION OFFICE seeks approval for the erection of two temporary demountable classrooms for Parramatta Marist High School at 2 Darcy Road, Westmead.

2. SUBJECT LAND:

Part Lot 1 - DP228390 - about 8.1ha, on the southern side of Darcy Road, approximately half way between Mons and Old Hawkesbury Roads.

3. ZONING AND ORDINANCE REQUIREMENTS:

The land is zoned SPECIAL USES CHURCH & SCHOOL under the Parramatta Planning Scheme.

4. PREVIOUS HISTORY:

Most recent history -

- (a) Temporary classrooms (behind McCauley for Marist High - Council Meeting of 3 November 1975);
- (b) Additions to library, craft, etc. (for Marist - Council Meeting of 26 June 1978);
- (c) Staff study, also technics block, also amphitheatre (for Marist - Council Meeting of 8 December 1980).
- (d) Provision of a transportable classroom for Catherine McCauley High School Ref: 3939/AG approved Council Meeting 19th December, 1983.

5. PRESENT USE:

School.

6. DETAILS OF PROPOSAL:

- (a) The proposed two classrooms are proposed to be located some 70m inside the subject property's boundary of Darcy Road, to the west of an existing Science building to be the most western building of the school.

The proposed location is grassed and the building would be principally screened from Darcy Road and be used for three years pending permanent facilities.

- (b) Site Area: (About 8.1 ha).
- (c) Proposed floor space :136.8m² which would not perceptably influence floor space.
- (d) Car Parking:
No additional car parking spaces are proposed to be catered for with this application however, the existing car parking already provided on site should satisfy any further demand.

FILED

REFERENCE:

2233/B/163/1501/4

7 ORDINANCE 70 REPORT:

- "1. No objection is raised to the proposed use as related to the building.
2. Plans and specifications shall be submitted for approval prior to the commencement of any building alterations. Such application and plans are to comply with the requirements of Local Government Act, 1919, as amended, Ordinance 70, for a building outside a fire zone Class IXb with a minimum construction standard for Type 5 building."

8. CITY ENGINEER'S REPORT: Attached as Appendix "A".

9. COMMENTS AND DISCUSSION:

- (a) The proposal is permissible under the provisions of the Parramatta Planning Scheme and in actual fact does not require planning approval.
- (b) The proposal is reasonable.
- (c) No social, environmental or economic issues appear to arise.
- (d) No town planning objections are raised to the proposal.

10. RECOMMENDATION: That:

- (a) The application be approved subject to the following conditions:-
 - (i) Plans and specifications (four (4) copies) shall be submitted for approval prior to the commencement of any building alterations. Such application and plans are to comply with the requirements of the Local Government Act, 1919, as amended, Ordinance 70 for a building outside a fire zone Class IXb with a minimum construction standard for Type 5 building.
 - (ii) Compliance with all the requirements of the City Health and Building Surveyor.
 - (iii) All vehicles associated with the use are to be parked on the site at all times.
 - (iv) All loading and unloading to be conducted within the site at all times.
 - (v) The use is to be conducted at all times without interference to the amenity of the area.
 - (vi) The beautification is to be maintained to Council's satisfaction.
 - (vii) Compliance with all the requirements of the City Engineer, viz: -

(A) A cash bond of \$1,000 is to be lodged with the letter of acceptance following Development Approval, prior to any site works, to cover any

FILED

REFERENCE: 2233/B/163/1501/4

possible damage to Council's assets as a result of demolition of existing buildings, excavation of the site below ground level, and the disposal of material from the site. The balance of the bond will be refunded on the satisfactory completion of construction works to no less than footpath level;

- (viii) During construction work, no building materials are to be stored on the Council's footpath.
 - (ix) It should be clearly understood that this consent in no way relieves the owner or applicant from the obligation to obtain any other approval which may be required under the Local Government Act, 1919, as amended, or any other Act, ordinance, regulation or by-law. In particular, this consent is not an approval to carry out any works whatsoever, such requiring the prior submission to the Council of a formal building application and compliance with all the requirements of Council's City Health and Building Surveyor.
 - (x) Written acceptance of the above conditions by both the owner and the applicant.
- (b) The applicant be advised of the right of appeal to the Land and Environment Court against all or any of the above conditions of approval.

JANUARY 28, 1988.
ADC:JP
Att: Appendix "A".

(W.D. HYNES),
Chief Town Planner.

5. In view of Council's policy, it is considered a development consent for this site should be subject to the following conditions:

- (a) a cash bond of \$1,000 is to be lodged with the letter of acceptance following Development Approval, prior to any site works, to cover any possible damage to Council's assets as a result of demolition of existing buildings, excavation of the site below ground level, and the disposal of material from the site. The balance of the bond will be refunded on the satisfactory completion of construction works to no less than footpath level;

IPB/PW.MNO
18.1.88

J.R. FENWICK,
CITY ENGINEER

FILED



Ordinance 70 Report No. 8/88

THE PARRAMATTA CITY COUNCIL
HEALTH AND BUILDING DEPARTMENT

ORDINANCE 70 REQUIREMENTS RELATIVE TO DEVELOPMENT APPLICATION NO: 2233/B/163/1501/4

ADDRESS OF PREMISES:

2 OLD WINDSOR ROAD, WESTMEAD

APPLICANT'S NAME & ADDRESS:

W.A. O'DONNELL CATHOLIC EDUCATION OFFICE P.O. Box 217 LEICHHARDT 2040

EXISTING USE OF BUILDING:

SCHOOL

CLASS OF BUILDING - Existing: 1xb

Proposed: 1xb

FIRE ZONE:

OUTSIDE

RISE IN STOREYS:

1

TYPE OF CONSTRUCTION:

5

RECOMMENDATION:

1. No objection is raised to the proposed use as related to the building.
2. Plans and specifications shall be submitted for approval prior to the commencement of any building alterations. Such application and plans are to comply with the requirements of Local Government Act, 1919, as amended, Ordinance 70, for a building OUTSIDE A FIRE ZONE Class 1xb with a minimum construction standard for Type 5 building.

11.1.88

(Date)

I concur with the above favourable recommendation.

12/1/88

(Date)

13 JAN 1988

FORM 1000 TO BE FILLED IN BY City Health & Building Surveyor

(Health & Building Surveyor)

(D. M. LUCKMAN)

Appendix "B" to Administrative
Instruction No. 79

DEVELOPMENT CONTROL UNIT:

MEETING NO.

ATTENTION: CITY HEALTH & BUILDING SURVEYOR:

SUBJECT: 2 Old Windsor Rd, Westhead

FILE REFERENCE NO. 2233/B/163/1501/4

PREVIOUS HISTORY:

Transportable Classroom
19/12/83 Approved

THIS D/A CAN BE APPROVED UNDER DELEGATED AUTHORITY: YES NO

ACTION REQUIRED:

DATE REQUIRED BY: 15/1/88

DATE RETURNED:

REASONS FOR DELAY

ESTIMATED DATE OF COMPLETION:

.....
CITY HEALTH & BUILDING SURVEYOR

Awaiting CE

Appendix "A" to Administrative
Instruction No. 79

DEVELOPMENT APPLICATION ACTION SHEET

ALLOCATION: (i) DCU
(ii) ABC

ADDRESS: 2 OLD WINDSOR RD, WESTMEAD

DEVELOPMENT APPLICATION REFERENCE: 2233/B/163/1504/4/19.1.88

DATE RECEIVED IN TOWN PLANNING DEPARTMENT: 4.1.88

1. PLEASE REFER TO TOWN PLANNING INQUIRY/CERTIFICATES CLERK FOR CHECKING -

(i) Additional information required - YES NO
(ii) Date of letter -
(iii) For further processing - YES

2. APPLICATION ACKNOWLEDGED -

YES DATE NO 7/1/88

3. ADVERTISING -

YES NO

(i) 342ZA
(ii) ORDINANCE REQUIREMENT
(iii) COUNCIL POLICY (PLEASE HIGHLIGHT IF NECESSARY)

4. PREVIOUS HISTORY

Transportable classroom
- 19/12/83 Approved

5. APPROVAL POSSIBLE UNDER DELEGATED AUTHORITY - YES NO

6. DEVELOPMENT CONTROL UNIT:

YES NO

(i) CH&BS
(ii) CE

REQUIRED DATE OF RETURN

7. DESIGNATED DEVELOPMENT:

YES NO

8. TRAFFIC AUTHORITY -

(i) PARRAMATTA LOCAL ADVISORY COMMITTEE FOR GENERATING DEVELOPMENT YES NO
(ii) REGIONAL ADVISORY COMMITTEE YES NO
(iii) STATE ADVISORY COMMITTEE YES NO

9. ACTION REQUIRED -

1/ Acknowledge Application
2/ DCU

Deputy Chief Town Planner

6.1.88



The Parramatta City Council

Council Chambers, Civic Place, Parramatta, N.S.W.
All communications to be addressed to:
The Town Clerk, P.O. Box 32, Parramatta, N.S.W. 2150
Telephone: 689 9333
Telex: TOPCTY AA 72089
Fax: 891 1320
DX 8279 Parramatta

APPLICATION for DEVELOPMENT CONSENT Environmental Planning and Assessment Act 1979 SECTION 77 (3)

REGISTRATION No. FILE No.

2233

B

163/1501/4

OFFICE USE ONLY 163/1501/4

Applicant's name: W.A. O'Donnell
Full postal address: Catholic Education Office
P.O. Box 217, Leichhardt. 2040.
Telephone (business hours): 569 6111

I, W.A. O'Donnell
of C.E.O. Leichhardt

hereby apply for development
consent to carry out the
development described below.

A. Description of the land to which the development application relates Parramatta Marist High School
No. 2 Street Old Windsor Road (Darcy Road)
Suburb Westmead
Property Description Lot _____ Plan No. _____

B. Description of development or other activity (eg. advertisement, demolition etc.) for
which development consent is sought:

Proposed development: Provision of 2 temporary demountable
classrooms pending planning & development of permanent
facilities. ANTICIPATED PERIOD 3 YEARS

Hours of operation: 9.00 - 3.30 M. to F.

No. of employees: _____

Where development involves the erection of a building, the proposed use of that building
when erected: School classrooms

Note: Plans, drawings and other
information (four copies) describing
the development must accompany
the application - refer to Notes 2, 3
and 4 (overleaf) of instructions for
completing Development Application.

C. Estimated cost of the proposed development (where it involves the erection of a
building or the carrying out of a work):

\$ 49,100.00

Note: Refer to Note 1 of the
Instructions for Completing
Development Application.

D. Environmental Impact of the proposed development:

The application is accompanied by -

* (a) an environmental impact statement (in the case of designated development)

* (b) a statement of environmental effects

* delete whichever is inapplicable

Proposed location should not have a detrimental effect.

Note: Refer to Notes 5 and 6 of the
Instructions for Completing
Development Application.

Signature of applicant or person signing on behalf of applicant. Where not signed by
applicant, signature is signed.

Date

18.12.87

Application fee \$ 200.00

Receipt No. _____

CONSENT OF OWNER*

I, _____
of _____
being the owner of the land to which this application relates hereby consent to the making
of this application. If not the owner, the application must be accompanied by a letter from
the owner authorising the lodgement of the application.

*To be completed:

(a) where the land to which the
development application relates,
does not comprise Crown Lands
and the applicant is not the owner
of that land; or

(b) where the land comprises
Crown Lands, and the applicant is
not the lawful occupier or owner of
the land.

DA pls
Date 22
18.12.87

Received
4/1/88

200-00
DATE 24-12-87
V. 3 475

22/11/87

INSTRUCTIONS FOR COMPLETION OF DEVELOPMENT APPLICATION

1. The fee determined by the consent authority must accompany the application. In the case of a building or work, the fee is based upon the estimated cost of that building or work. To determine the fee applicable see the schedule of fees attached.
2. Plans (4 copies), drawn to scale, of the land to which the application relates must accompany the application indicating at least the following:
 - (a) The location, boundary dimensions, site area and north point of the land;
 - (b) Any existing vegetation and trees on the land;
 - (c) The location and uses of any existing buildings on the land;
 - (d) The existing levels of the land in relation to buildings and roads;
 - (e) The location and uses of buildings on sites adjoining the land.
3. Plans (4 copies), drawn to scale, fully describing the proposed development shall accompany the application and, where applicable, those plans shall indicate at least the following.
 - (a) The location of proposed new buildings or works (including extensions or additions to existing buildings or works) in relation to the boundaries of the land;
 - (b) Floor plans of proposed buildings showing layout, partitioning, intended uses of each part of the building and room sizes;
 - (c) Elevations and sections showing proposed external finishes and heights;
 - (d) Proposed finished levels of the land in relation to buildings and roads;
 - (e) Building perspectives where necessary to illustrate the proposed building, and for developments over 3 storeys in height in the CENTRAL BUSINESS DISTRICT, a photo montage showing the effect of the proposed development on the area must be provided.
 - (f) Proposed parking arrangements, vehicular ingress, egress and movements on the land (including dimensions where appropriate);
 - (g) Proposed landscaping and treatment of the site (indicating plant types and their height at maturity);
 - (h) Proposed methods of draining the land.
4. In addition to the matters referred to in 2 and 3 above, the following information shall, where applicable, accompany the development application.
 - (a) In the case of shops or offices or commercial or industrial development.
 - (i) Details of hours of operation;
 - (ii) Plant and machinery to be installed;
 - (iii) Types, size and quantity of goods to be manufactured, stored or transported; and
 - (iv) Loading and unloading facilities.
 - (b) In the case of subdivision.
 - (i) Details of existing and proposed subdivision pattern (including the number of lots and location of roads);
 - (ii) Details of consultation with public authorities responsible for provision or amplification of utility services required by the proposed subdivision.
 - (c) In the case of demolition.

Details of the age and condition of the building or works proposed to be demolished;
 - (d) In the case of advertisements.

Details of the size, type, colour, materials and position of the sign board or structure on which the proposed advertisement is to be displayed; and including details of the proposed advertisement.
 - (e) In the case of development relating to an existing use.

Details of the existing use.
5. An environmental impact statement must accompany the application where the proposed development is designated development.
6. Where the proposed development is not designated development, information.
 - (a) Demonstrating that consideration has been given to the environmental impact of the development; and
 - (b) Setting out any steps to be taken to mitigate any likely adverse environmental impact;

must accompany the application.
7. The consent authority may require additional information of the proposed development to be provided where that information is essential to the determination of the development application.
8. The applicant may support the application with additional material (e.g. photographs, models, etc.) which further illustrate the proposed development.
9. The following additional information is required for Ordinance 70 purposes:
 - (i) A block plan of the existing and proposed development;
 - (ii) A floor plan to scale giving dimensions of the building;
 - (iii) Distance of external walls from the boundaries of the allotment;
 - (iv) Position and size of all exit doors existing and proposed within the building;
 - (v) Fire services existing and their location with the building (i.e. hose reels and hydrants).



The Parramatta City Council

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Fax: 891 1320
DX 8279 Parramatta

APPLICATION for DEVELOPMENT CONSENT

Environmental Planning and Assessment Act 1979
SECTION 77 (3)

REGISTRATION No.

FILE No.

OFFICE USE ONLY

Applicant's name: W.A. O'Donnell

Full postal address: Catholic Education Office

P.O. Box 217, Leichhardt. 2040

Telephone (business hours): 569 6111

I, W.A. O'Donnell

of C.E.O. Leichhardt

hereby apply for development consent to carry out the development described below.

A. Description of the land to which the development application relates Parramatta Marist High School

No. 2 Street Old Windsor Road (Darcy Rd)

Suburb Westmead

Property Description Lot Plan No.

Description of development or other activity (eg. advertisement, demolition etc.) for which development consent is sought:

Proposed development: Provision of 2 temporary demountable classrooms pending planning & development of permanent facilities ANTICIPATED PERIOD 2 YEARS

Hours of operation: 9.00 - 3.30 M. to F.

No. of employees:

Where development involves the erection of a building, the proposed use of that building when erected:

School classrooms

C. Estimated cost of the proposed development (where it involves the erection of a building or the carrying out of a work):

Note: Refer to Note 1 of the Instructions for Completing Development Application.

D. Environmental Impact of the proposed development:

The application is accompanied by -

* (a) an environmental impact statement (in the case of designated development)

* (b) a statement of environmental effects

* delete whichever is inapplicable

Proposed location should not have a detrimental effect.

Note: Refer to Notes 5 and 6 of the Instructions for Completing Development Application.

Signature of applicant. Where not signed by signed.

Date 18.12.87

Application fee \$.....

Receipt No.

CONSENT OF OWNER*

I
of

being the owner of the land to which this application relates hereby consent to the making of this application. If not the owner, the application must be accompanied by a letter from the owner authorising the lodgement of the application.

Date 22 18.12.87

*To be completed:

(a) where the land to which the development application relates, does not comprise Crown Lands and the applicant is not the owner of that land; or

(b) where the land comprises Crown Lands, and the applicant is not the lawful occupier or owner of that land.

INSTRUCTIONS FOR COMPLETION OF DEVELOPMENT APPLICATION

1. The fee determined by the consent authority must accompany the application. In the case of a building or work, the fee is based upon the estimated cost of that building or work. To determine the fee applicable see the schedule of fees attached.
2. Plans (4 copies), drawn to scale, of the land to which the application relates must accompany the application indicating at least the following:
 - (a) The location, boundary dimensions, site area and north point of the land;
 - (b) Any existing vegetation and trees on the land;
 - (c) The location and uses of any existing buildings on the land;
 - (d) The existing levels of the land in relation to buildings and roads;
 - (e) The location and uses of buildings on sites adjoining the land.
3. Plans (4 copies), drawn to scale, fully describing the proposed development shall accompany the application and, where applicable, those plans shall indicate at least the following.
 - (a) The location of proposed new buildings or works (including extensions or additions to existing buildings or works) in relation to the boundaries of the land;
 - (b) Floor plans of proposed buildings showing layout, partitioning, intended uses of each part of the building and room sizes;
 - (c) Elevations and sections showing proposed external finishes and heights;
 - (d) Proposed finished levels of the land in relation to buildings and roads;
 - (e) Building perspectives where necessary to illustrate the proposed building, and for developments over 3 storeys in height in the CENTRAL BUSINESS DISTRICT, a photo montage showing the effect of the proposed development on the area must be provided.
 - (f) Proposed parking arrangements, vehicular ingress, egress and movements on the land (including dimensions where appropriate);
 - (g) Proposed landscaping and treatment of the site (indicating plant types and their height at maturity);
 - (h) Proposed methods of draining the land.
4. In addition to the matters referred to in 2 and 3 above, the following information shall, where applicable, accompany the development application.
 - (a) In the case of shops or offices or commercial or industrial development.
 - (i) Details of hours of operation;
 - (ii) Plant and machinery to be installed;
 - (iii) Types, size and quantity of goods to be manufactured, stored or transported; and
 - (iv) Loading and unloading facilities.
 - (b) In the case of subdivision.
 - (i) Details of existing and proposed subdivision pattern (including the number of lots and location of roads);
 - (ii) Details of consultation with public authorities responsible for provision or amplification of utility services required by the proposed subdivision.
 - (c) In the case of demolition.

Details of the age and condition of the building or works proposed to be demolished;
 - (d) In the case of advertisements.

Details of the size, type, colour, materials and position of the sign board or structure on which the proposed advertisement is to be displayed; and including details of the proposed advertisement.
 - (e) In the case of development relating to an existing use.

Details of the existing use.
5. An environmental impact statement must accompany the application where the proposed development is designated development.
6. Where the proposed development is not designated development, information.
 - (a) Demonstrating that consideration has been given to the environmental impact of the development; and
 - (b) Setting out any steps to be taken to mitigate any likely adverse environmental impact;must accompany the application.
7. The consent authority may require additional information of the proposed development to be provided where that information is essential to the determination of the development application.
8. The applicant may support the application with additional material (e.g. photographs, models, etc.,) which further illustrate the proposed development.
9. The following additional information is required for Ordinance 70 purposes:
 - (i) A block plan of the existing and proposed development;
 - (ii) A floor plan to scale giving dimensions of the building;
 - (iii) Distance of external walls from the boundaries of the allotment;
 - (iv) Position and size of all exit doors existing and proposed within the building;
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APPLICATION for DEVELOPMENT CONSENT Environmental Planning and Assessment Act 1979 SECTION 77 (3)

Applicant's name: W.A. O'Donnell
Full postal address: Catholic Education Office
P.O. Box 217 Leichhardt. 2040.
Telephone (business hours): 569 6111

REGISTRATION No.	FILE No.
OFFICE USE ONLY	
I, <u>W.A. O'Donnell</u>	
of <u>C.E.O. Leichhardt</u>	
hereby apply for development consent to carry out the development described below.	

A. Description of the land to which the development application relates Parramatta Marist High School
No. 2 Street Old Windsor Road (Barry Rd.)
Suburb Westmead
Property Description Lot _____ Plan No. _____

Description of development or other activity (eg. advertisement, demolition etc.) for which development consent is sought:

Proposed development: Provision of 2 temporary demountable classrooms pending planning & development of permanent facilities ANTICIPATED PERIOD 3 YEARS

Hours of operation: 9.00 - 3.30 M. to F.

No. of employees: _____

Where development involves the erection of a building, the proposed use of that building when erected: School classrooms

C. Estimated cost of the proposed development (where it involves the erection of a building or the carrying out of a work):

\$ \$49,000.00

D. Environmental Impact of the proposed development: _____
The application is accompanied by —

- * (a) an environmental impact statement (in the case of designated development)
- * (b) a statement of environmental effects
- * delete whichever is inapplicable

Proposed location should not have a detrimental effect.

Name of person signing on behalf of applicant. Where not signed by _____ is signed.

Date 18.12.87

CONSENT OF OWNER*

I, _____
of _____
being the owner of the land to which this application relates hereby consent to the making of this application. If not the owner, the application must be accompanied by a letter from the owner authorising the lodgement of the application.

Date 22
18.12.87.

Note: Plans/drawings/other information (Four copies) describing the development must accompany the application — refer to Notes 2, 3 and 4 (overleaf) of instructions for completing Development Application.

Note: Refer to Note 1 of the Instructions for Completing Development Application.

Note: Refer to Notes 5 and 6 of the Instructions for Completing Development Application.

Application fee \$.....

Receipt No.

*To be completed:

(a) where the land to which the development application relates, does not comprise Crown Lands and the applicant is not the owner of that land; or

(b) where the land comprises Crown Lands, and the applicant is not the lawful occupier or owner of that land.

INSTRUCTIONS FOR COMPLETION OF DEVELOPMENT APPLICATION

1. The fee determined by the consent authority must accompany the application. In the case of a building or work, the fee is based upon the estimated cost of that building or work. To determine the fee applicable see the schedule of fees attached.
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 - (c) The location and uses of any existing buildings on the land;
 - (d) The existing levels of the land in relation to buildings and roads;
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 - (e) Building perspectives where necessary to illustrate the proposed building, and for developments over 3 storeys in height in the CENTRAL BUSINESS DISTRICT, a photo montage showing the effect of the proposed development on the area must be provided.
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4. In addition to the matters referred to in 2 and 3 above, the following information shall, where applicable, accompany the development application.
 - (a) In the case of shops or offices or commercial or industrial development.
 - (i) Details of hours of operation;
 - (ii) Plant and machinery to be installed;
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 - (iv) Loading and unloading facilities.
 - (b) In the case of subdivision.
 - (i) Details of existing and proposed subdivision pattern (Including the number of lots and location of roads);
 - (ii) Details of consultation with public authorities responsible for provision or amplification of utility services required by the proposed subdivision.
 - (c) In the case of demolition.

Details of the age and condition of the building or works proposed to be demolished;
 - (d) In the case of advertisements.

Details of the size, type, colour, materials and position of the sign board or structure on which the proposed advertisement is to be displayed; and including details of the proposed advertisement.
 - (e) In the case of development relating to an existing use.

Details of the existing use.
5. An environmental impact statement must accompany the application where the proposed development is designated development.
6. Where the proposed development is not designated development, information.
 - (a) Demonstrating that consideration has been given to the environmental impact of the development; and
 - (b) Setting out any steps to be taken to mitigate any likely adverse environmental impact;must accompany the application.
7. The consent authority may require additional information of the proposed development to be provided where that information is essential to the determination of the development application.
8. The applicant may support the application with additional material (e.g. photographs, models, etc.,) which further illustrate the proposed development.
9. The following additional information is required for Ordinance 70 purposes:
 - (i) A block plan of the existing and proposed development;
 - (ii) A floor plan to scale giving dimensions of the building;
 - (iii) Distance of external walls from the boundaries of the allotment;
 - (iv) Position and size of all exit doors existing and proposed within the building;
 - (v) Fire services existing and their location with the building (i.e. hose reels and hydrants).



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APPLICATION for DEVELOPMENT CONSENT

Environmental Planning and Assessment Act 1979
SECTION 77 (3)

REGISTRATION No.

FILE No.

OFFICE USE ONLY

Applicant's name: W.A. O'Donnell

Full postal address: Catholic Education Office

P.O. Box 217, Leichhardt. 2040.

Telephone (business hours): 569 6111

I, W.A. O'Donnell

of C.E.O. Leichhardt

hereby apply for development
consent to carry out the
development described below.

A. Description of the land to which the development application relates Parramatta Marist High School

No. 2 Street Old Windsor Road (Daray Rd.)

Suburb Westmead

Property Description Lot _____ Plan No. _____

Description of development or other activity (eg. advertisement, demolition etc.) for
which development consent is sought:

Proposed development: Provision of 2 temporary demountable
classrooms pending planning & development of permanent
facilities ANTICIPATED PERIOD 4 YEARS

Hours of operation: 9.00 - 3.30 M. to F.

Note: Plans/drawings and other
information (Four copies) describing
the development must accompany
the application — refer to Notes 2,3
and 4 (overleaf) of instructions for
completing Development Application.

No. of employees;

Where development involves the erection of a building, the proposed use of that building
when erected:

School classrooms

C. Estimated cost of the proposed development (where it involves the erection of a
building or the carrying out of a work):

Note: Refer to Note 1 of the
Instructions for Completing
Development Application.

D. Environmental Impact of the proposed development:

The application is accompanied by —

* (a) ~~an~~ environmental impact statement (in the case of designated development)

* (b) a statement of environmental effects

* delete whichever is inapplicable

Proposed location should not have a detrimental effect.

Note: Refer to Notes 5 and 6 of the
Instructions for Completing
Development Application.

Signed _____ of applicant. Where not signed by
applicant _____

Application fee \$.....

Receipt No.

Date 18.12.87

CONSENT OF OWNER*

I _____
of _____

being the owner of the land to which this application relates hereby consent to the making
of this application. If not the owner, the application must be accompanied by a letter from
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*To be completed:

(a) where the land to which the
development application relates,
does not comprise Crown Lands
and the applicant is not the owner
of that land; or

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Crown Lands, and the applicant is
not the lawful occupier or owner of
that land.

Date 22
18.12.87

INSTRUCTIONS FOR COMPLETION OF DEVELOPMENT APPLICATION

1. The fee determined by the consent authority must accompany the application. In the case of a building or work, the fee is based upon the estimated cost of that building or work. To determine the fee applicable see the schedule of fees attached.
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 - (c) Elevations and sections showing proposed external finishes and heights;
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4. In addition to the matters referred to in 2 and 3 above, the following information shall, where applicable, accompany the development application.
 - (a) In the case of shops or offices or commercial or industrial development.
 - (i) Details of hours of operation;
 - (ii) Plant and machinery to be installed;
 - (iii) Types, size and quantity of goods to be manufactured, stored or transported; and
 - (iv) Loading and unloading facilities.
 - (b) In the case of subdivision.
 - (i) Details of existing and proposed subdivision pattern (including the number of lots and location of roads);
 - (ii) Details of consultation with public authorities responsible for provision or amplification of utility services required by the proposed subdivision.
 - (c) In the case of demolition.

Details of the age and condition of the building or works proposed to be demolished;
 - (d) In the case of advertisements.

Details of the size, type, colour, materials and position of the sign board or structure on which the proposed advertisement is to be displayed; and including details of the proposed advertisement.
 - (e) In the case of development relating to an existing use.

Details of the existing use.
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6. Where the proposed development is not designated development, information:
 - (a) Demonstrating that consideration has been given to the environmental impact of the development; and
 - (b) Setting out any steps to be taken to mitigate any likely adverse environmental impact;
 must accompany the application.
7. The consent authority may require additional information of the proposed development to be provided where that information is essential to the determination of the development application.
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9. The following additional information is required for Ordinance 70 purposes:
 - (i) A block plan of the existing and proposed development;
 - (ii) A floor plan to scale giving dimensions of the building;
 - (iii) Distance of external walls from the boundaries of the allotment;
 - (iv) Position and size of all exit doors existing and proposed within the building;
 - (v) Fire services existing and their location with the building (i.e. hose reels and hydrants).

ALEXANDER COUTTS & ASSOCIATES

Architects and Project / Development Managers
50 Cliff Avenue Northbridge 2063
Fax 958 0464 Tel 958 0464

PARRAMATTA CITY COUNCIL
- 4 JUN 1992
L 92/11462
FILE No. 163/1501/6

3 June 1992

The Town Clerk,
The Parramatta City Council
P.O.Box 32,
PARRAMATTA NSW 2124

Attention: **Mr Bob Tillott,**

Dear Sir,

Re: **Multi-Purpose Facilities to be built at Parramatta Marist &
Catherine McAuley High Schools 2 Darcy Road, Westmead**
Your reference: Permit No. T 318/91

Following our meeting with you, Brother Michael Green, Principal at Parramatta Marist High School and our Architect Bryan Dowling on Friday 22nd May 1992 we confirm our understanding of the discussions that eventuated.

The proposed building is presently at the conceptual stage however it will have basically the same footprint on the site as was approved by Council late last year.

We believe an amendment to the Development Application is not required however an amendment to the Building Application will be required and our future dealings with Council will be with Mr. Michael O'Malley.

As a matter of courtesy we will forward you a copy of our amended application.

For Councils information the owners of the land are the Trustees of the Roman Catholic Diocese of Parramatta.

We thank you for your time and assistance in this matter.

Yours faithfully


ALEX COUTTS

cc Brother M Green
Mr M Keating
Mr B Dowling

Parnell Pty Ltd ACN 002 398 218 Trading as Alexander Coutts and Associates

05 JUN 1992
9 JUN 1992

REFERRED TO ENVIRONMENTAL SERVICES
REFERRED TO RECORDS SECTION

Noted
16/6/92
FILED
16/6/92

BORIS LYSENKO
& ASSOCIATES PTY LIMITED
CIVIL ENGINEERS
UNIT 2, 267 LYONS ROAD FIVE DOCK NSW 2046
Telephone (02) 712 1511 Fax (02) 712 1910
A.C.N. 003 615 834

PARRAMATTA CITY COUNCIL
1 OCT 1991
L91/35722
FILE No. 163/1501/6
L91/35722

Our ref: D15/BL

The Town Clerk
Parramatta City Council

Attention: Engineers Department
Mr John Carse

Dear Sir,

RE: PARRAMATTA MARIST BROTHERS
DARCY STREET, WESTMEAD

We enclose our calculations to demonstrate the effectiveness of the existing retarding basins with respect to the proposed development.

Two methods of analysis were used, namely THSM and RAFTSXP. RAFTS was only used as a check on post-development flows from the basin as it is less suitable for these smaller catchments. THSM is a version of Ilsax and except for the graphical input it is essentially the same. The only disadvantage of THSM and Ilsax is that these programmes do not handle interconnected basins. For our calculations the effects of the smaller upstream basin was ignored, which is a conservative assumption.

The analysis using THSM was carried out as follows:-

1. The network was set up using 375 dia pipe links, which in reality do not exist upstream of the basins. However this is the only way to link the subcatchments, and as the model uses pipe flow and overland by-pass flow hydrographs to transport flows between links, the effect is essentially the same as what would happen on this site.
2. Pre-development flows were determined using the existing catchment pervious and impervious areas for the 1 in 5 year case and as basins in place. The critical storm duration was 25 minutes with a peak flow of 0.63m³/s.
3. Post-development flows were determined using the new pervious and impervious areas for the 1 in 100 year case with the larger basin in place. the critical storm duration was 25 minutes with a peak basin in flow of 0.82m³/s and a peak outflow of 0.5m³/s.
4. The basin stage discharge relationship was determined using Ilbasin with a downstream HGL of 17.3m.

FILED

The results of our analysis can be interpreted as follows:-

- a) The post-development flows through the existing basins are less than the pre-development 1 in 5 year flows.
- (b) The larger basin only reaches a stage height of RL 18 and this leaves an additional storage of approximately 700m³ above this height.
- (c) The analysis is extremely conservative as it neglected the effects of the smaller basin. There is a substantial reserve of additional basin storage in the larger basin so if the assumed outlet HGL is higher than 17.3m, this system will still operate effectively without impact on the downstream catchment.

We forward our analysis for your approval and request that you phone us if you require any further information.

Yours faithfully,
BORIS LYSENKO & ASSOCIATES PTY LTD


B. Lyenko, BSc(Eng)

R/O Please register & refer to CTP DCW section

 30/9/91

- 1 OCT 1991 REFERRED TO TPD.
Please refer to T.P.D.

18 NOV 1991 REFERRED TO TOWN PLANNING DEPARTMENT

CE/pl

R/O/CTP Information used in assessing BA, no further action required pls file

*IPB
18.11.91*

12 NOV 1991 REFERRED TO RECORDS SECTION

CTP

L91/24732/163/1501/6
DP:JAB

Reverend Father Brian C. Larkey,
St. Patrick's Presbytery,
Marist Place,
PARRAMATTA 2150

August 28, 1991.

Dear Reverend Father,

Development Application - 2 Darcy Road,
Westmead.

The Council at its meeting on August 19, 1991 gave consideration to the abovementioned Development Application submitted by you seeking approval to erect a gymnasium/hall for use in various sporting and school related activities at 2 Darcy Road, Westmead.

At that meeting, the Council resolved that the application be approved subject to conditions 1 through to 7 as contained in Chief Town Planner's Report No. 681/91.

A copy of these conditions is attached.

You are advised of the right of appeal to the Land and Environment Court against all or any of the above conditions of approval.

In addition, the Council resolved that the Development Application fee be refunded and the Building Application fee be waived and they be treated as donations pursuant to the provisions of Section 504 of the Local Government Act, 1919.

Accordingly, your Development Application fee will be refunded in the near future.

Yours faithfully,

Date.....	4/10/91
Voucher No.	63991
Amount	Rec 504 \$1480.00

(R.B. SWORDS)
Town Clerk.

Date.....	4/10/91
Voucher No.	63991
Amount	\$1,480-

Encl:

Copies forwarded to CTP, CE & CHS.

28 AUG 1991 REFERRED TO CITY TREASURER

In accordance with Council's resolution of the 19.8.91 Minute 67569 Section (C) the amount of \$1,480- is required to be refunded.

Referred for your attention. A. Caladine 23.9.91

For refund of DA fee via rec. 14293 as per Council's resolution.

CTP/RO No further action is required.
Please File. A. Caladine 11.10.91

DEVELOPMENT CONSENT CONDITIONS

2 DARCY ROAD, WESTMEAD

CTP REPORT NO:681/91

REF:L91/24732/163/1501/6

- (a) The application be approved subject to the following conditions:-
- (1) Plans and specifications (four (4) copies) shall be submitted for approval prior to the commencement of any building alterations. Such application and plans are to comply with the requirements of the Local Government Act, 1919, as amended, Ordinance 70, for a building outside a fire zone Class IXb with a minimum construction standard for Type 3 building.
 - (2) Compliance with all the requirements of the City Health and Building Surveyor.
In this respect the following should be noted:-
 - (A) The suitability of the means of egress from the building shall be determined by the Council after consideration of a report from the New South Wales Fire Brigades, and any conditions recommended by the New South Wales Fire Brigades shall be imposed as conditions on this application. The abovementioned report will be requested by Council from the New South Wales Fire Brigades upon receipt of a Building Application for the proposal.
 - (B) The ceiling of the area below the mezzanine floor shall comply with Clause 16.12 of Ordinance 70.
 - (3) The erection of any advertising signs to be subject to separate consideration by Council.
 - (4) The use is to be conducted at all times without interference to the amenity of the area.
 - (5) The submission of a comprehensive landscape plan to the satisfaction of Council. This plan is to provide for:
 - (A) Additional planting around the proposed gymnasium/hall. Plant species selection should have regard to the scale of the building, the maturity height of the plant material and existing vegetation patterns in the general locality.
 - (6) The walls of the building up to three metres above the main floor level to be finished in face brick work or an alternative material of attractive appearance and minimum maintenance. In this regard it should be noted that the proposed painted concrete panels are unsuitable.


Town Planner


(W. B. HYNES)
Chief Town Planner

CTP REPORT NO:681/91

REF:L91/24732/163/1501/6

- (7) Compliance with all the requirements of the City Engineer, viz:-
- (A) the submission with the building application of detailed plans showing the method proposed to be used for the disposal of stormwater from the development site and the effect, (if any), of the erection of the proposed development on drainage of adjoining sites. The proposed disposal of stormwater shall comply as closely as practically possible with the provisions of Council's Code for the Disposal of Roof and Surface Waters from Building Developments, 1988. Particular attention is drawn to option (A) Section 2.2.8 of the code concerning stormwater flow from adjoining properties; option (B) (and) Section (5) concerning on-site detention;
 - (B) all stormwater runoff from the building site is to be clear and unpolluted, and details are to be submitted in conjunction with the building application showing how this will be achieved during the construction works associated with the development;
 - (C) the stormwater drainage plans to be approved by the City Engineer prior to the release of the building plans;
 - (D) work as executed plans of the stormwater Drainage System giving grate, invert and ground surface levels, certified by a suitably qualified person, are to be submitted to Council prior to occupation for ensuring compliance with approved plans. This submission is to include certification of the volume of on-site detention provided, and structural adequacy of the detention system;
 - (E) all work to be to the requirements and satisfaction of the City Engineer;
 - (F) all work to be completed prior to the occupation of the buildings;
 - (G) all works required in association with this development consent to be completed at no cost to Council.
- (b) The applicant be advised of the right of appeal to the Land and Environment Court against all or any of the above conditions of approval.
- (c) Council to determine whether the Development Application fee should be refunded and the Building Application fee be waived.

Town Planner

(W.D. BYNES)
Chief Town Planner

August 9, 1991

The Trustees of the Roman Catholic Diocese of Parramatta (L91/24732 26/6/91) seeking approval to erect a gymnasium/hall for use in various sporting and school related activities at 2 Darcy Road, Westmead. Also, Brother Terrence (L91/27899) requesting the Development Application and Building Application fees to be waived for this development. Also, Chief Town Planner's Report No.681/91.

Recommendation: That:

(a) The application be approved subject to the following conditions:-

- (1) HB1
- (2) HB4

In this respect the following should be noted:-

- (A) The suitability of the means of egress from the building shall be determined by the Council after consideration of a report from the New South Wales Fire Brigades, and any conditions recommended by the New South Wales Fire Brigades shall be imposed as conditions on this application.
The abovementioned report will be requested by Council from the New South Wales Fire Brigades upon receipt of a Building Application for the proposal.
- (B) The ceiling of the area below the mezzanine floor shall comply with Clause 16.12 of Ordinance 70.
- (3) TP7
- (4) TP10
- (5) The submission of a comprehensive landscape plan to the satisfaction of Council. This plan is to provide for:
 - (A) Additional planting around the proposed gymnasium/hall. Plant species selection should have regard to the scale of the building, the maturity height of the plant material and existing vegetation patterns in the general locality.
- (6) The walls of the building up to three metres above the main floor level to be finished in face brick work or an alternative material of attractive appearance and minimum maintenance. In this regard it should be noted that the proposed painted concrete panels are unsuitable.
- (7) Compliance with all the requirements of the City Engineer, viz:-
 - (A) CE38 (Options A & B)
 - (B) CE39
 - (C) CE40
 - (D) CE41
 - (E) CE55
 - (F) CE56
 - (G) CE57
- (b) TP54
- (c) Council to determine whether the Development Application fee should be refunded and the Building Application fee be waived.

Chief Town Planner's Report No:681/91

August 9, 1991

1. Subject Land:

Lot 1 in DP228390, known as 2 Darcy Road, Westmead. Located on the southern side of Darcy Road between Hawkesbury and Bridge Roads.

2. Zoning of Site:

Special Uses 5(a) - Church and School under Parramatta Local Environmental Plan 1990 (Toongabbie Ward), which permits the proposed sports gym with the consent of Council.

3. History of Site:

Various approvals have been issued over the years for alterations or additions to the school.

4. Present Use:

The land is currently occupied by Marist Brothers High School and Catherine McAuley High School.

5. Details of Application:

It is proposed to erect a sports gymnasium on the site of the two open-air basketball courts towards the rear of the property.

The building will have a floor area of 2,300sq. metres and will contain the following facilities:-

- i) a court area (suitable for two basketball courts);
- ii) sports storage room;
- iii) weights room;
- iv) two lecture rooms;
- v) foyer;
- vi) public address room;
- vii) canteen;
- viii) male and female amenities; and
- (ix) sports masters office

Construction materials to be used involve painted masonry panels to three (3) metres with colorbond cladding for the remainder of the walls and roof.

6. Comments and Discussion:

The following matters contained in section 90(1) of the Environmental Planning and Assessment Act are relevant to this application.

- 90(1)a) the provision of
- 1) any environmental planning instrument.

It is intended to use the sports gymnasium as a multi-function facility for use by various sporting bodies (e.g. Australian Basketball Association and Australian Netball Association) for tournaments and for school and social activities. Clause 19 of L.E.P. 1990 permits, in addition to school related activities, the community use of schools and therefore applies to this application.

- 90(i)b) impact on the environment

August 9, 1991

Environmental considerations relating to this development involves its impact upon the visual environment.

The proposed building is approximately on the same level as the existing school buildings. The playing field to the south is two metres above the school level and the playing field to the south-west is three metres below. As a result the site is visible to developments in a westerly direction and the main western railway line to the south-west. The western and southern facades of the building, ranging between ten metres and thirteen metres above ground level, will be easily visible from these directions. Whilst some of the existing vegetation will provide screening of the building, it is considered necessary to require additional planting to minimise an undesirable impacts on the visual environment, particular when viewed from the south-west.

The use of painted concrete panels is considered inappropriate due to the increased maintenance requirements and the possible unsightly appearance of these surfaces between maintenance periods. These materials should be replaced with an attractive maintenance free surface which is compatible with building in the surrounding area.

90(1)e) the character, bulk, scale, height and appearance of the development.

The building, due to its size and height presents a bulky appearance when viewed from most directions. As mentioned above, the use of appropriate landscaping would soften and screen the building, particularly the southern and western facades.

90(1)h) relationship to adjoining development

The building is part of the Marist Brothers High School and is located in an area which is dominated by educational establishments and hospital activities. As a result, the proposed activities to be carried out within the building are considered compatible with the surrounding developments and would have minimal impact on the locality.

90(1)i) whether adequate provision has been made for parking.

No additional parking facilities are to be provided in conjunction with the sports gymnasium as the applicant maintains that adequate parking is currently available within the school complex. This is considered acceptable as the gymnasium will not generate any additional parking when used for school purposes during normal school hours and any commercial use will be outside these hours with the parking facilities available solely for that specific use.

90(1)j) the amount of traffic likely to be generated.

The use of this building for commercial activities will generate additional traffic movements in respect of this site. However, such activities will be outside school hours and generally outside the peak demand periods for the road system in the locality.

Chief Town Planner's Report No:681/91

August 9, 1991

As a result it is considered that the higher level of traffic generated by the sports gymnasium will have a minimal impact on the capacity of the existing road system, due to the nature of the proposed uses.

90(1)m) whether adequate provision has been made for landscaping.

As mentioned above, the provisions of additional landscaping around the proposed building will assist in "softening" the appearance of the building, particularly when viewed from the south and west.

90(1)r) the public interest

The proposal was exhibited between 17 and 31 July, during which no submissions were received.

7. General Matters:

Brother Terrence has requested that Council, "as an exercise in good public relations", refund the Development Application fee of \$1,480 and waive the Building Application fees in respect of this development. It is stated that the project is a long way from having enough money and the borrowing will be enormous, so Council's discretion in this matter would be a truly marvellous gesture towards this much needed community facility.

It is recognised that the proposed gymnasium would be a valuable community asset. However is noted that the facility is proposed to be used for commercial purposes outside school hours which will provide financial returns for the complex.

8. Conclusion:

The proposed sports gymnasium is considered to be an acceptable form of development for this site and in accordance with the objectives for community use of school facilities. However, the provision of additional landscaping around the building should be required to ensure any impact on the visual environment is minimal.

W/D Hynes
Chief Town Planner

SS:JP
L91/24732/163/1501/6
S.S.

DEVELOPMENT CONSENT CONDITIONS

2 DARCY ROAD, WESTMEAD

REF:L91/24732/163/1501/6

CTP REPORT NO:681/91

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Town Planner

(W.B. HYNES)
Chief Town Planner

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 - (B) all stormwater runoff from the building site is to be clear and unpolluted, and details are to be submitted in conjunction with the building application showing how this will be achieved during the construction works associated with the development;
 - (C) the stormwater drainage Plans to be approved by the City Engineer prior to the release of the building plans;
 - (D) work as executed plans of the stormwater Drainage System giving grate, invert and ground surface levels, certified by a suitably qualified person, are to be submitted to Council prior to occupation for ensuring compliance with approved plans. This submission is to include certification of the volume of on-site detention provided, and structural adequacy of the detention system;
 - (E) all work to be to the requirements and satisfaction of the City Engineer;
 - (F) all work to be completed prior to the occupation of the buildings;
 - (G) all works required in association with this development consent to be completed at no cost to Council.
- (b) The applicant be advised of the right of appeal to the Land and Environment Court against all or any of the above conditions of approval.
- (c) Council to determine whether the Development Application fee should be refunded and the Building Application fee be waived.


Town Planner


(W.D. BYNES)
Chief Town Planner



Founded 1875

PARRAMATTA MARIST HIGH SCHOOL
2 DARCY ROAD
WESTMEAD, NSW 2145
Phone: 635 7066
635 7611

PARRAMATTA CITY COUNCIL	
20 JUL 1991	
L 91/27899	
FILE NO. 63/1501/6.	

23rd July, 1991

The Town Clerk,
The Parramatta City Council,
Civic Place,
PARRAMATTA NSW 2150

Dear Sir,

Re: PROPOSED GYMNASIUM/HALL AT PARRAMATTA MARIST HIGH, WESTMEAD

Further to our previous discussions relating to Council's waving their Development and Building Application Fees, we have decided to formally request that the Council use its discretion in this matter and make what we would see as a truly marvellous gesture toward this much needed community project.

We understand that there may be some Statutory Fees, such as the Long Service Leave Levy, which may have to be paid. However, we believe Council is in a position to provide direct assistance to all those who have worked long and hard to raise funds for this facility. Be assured, we are a long way from having enough money and our borrowing will be enormous.

It goes without saying that in these difficult times every dollar counts and we hope that Council will see this as an exercise in good Public Relations and agree to refund the \$1,480.00 D.A. Fee and waver the need for B.A. Fees to be paid at the time of lodgement.

We thank you in anticipation of a favourable response.

Yours faithfully,



Brother Terrence
Principal.

24 JUL 1991

REFERRED TO TPD.

- f.l. hache &
TPD/ADV.

INS: Albert [signature]

26/7/91

(ECF (POF))
@ CHS

LETTER ACKNOWLEDGED	
	30/7/91



FOR OFFICE USE ONLY

No.L

FILE No.

The Parramatta City Council

Council Chambers, Civic Place, Parramatta, N.S.W. 2150
 All correspondence to: The Town Clerk, P.O. Box 32, Parramatta, N.S.W. 2124
 Telephone: 689 9333 Fax: 891 1320 DX 8279 Parramatta
 Business Hours: 9.00 am — 4.00 pm Monday-Friday

PARRAMATTA
CITY COUNCIL

26 JUN '01

L 91 / 200732

163 / 1501/6

DEVELOPMENT APPLICATION

ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 (SECTION 77 (3))

APPLICANTS are advised; **BEFORE SUBMITTING THE APPLICATION**; to have discussions with Council's:
Town Planning Department (located ground floor, Town Hall, 184 Church Street) in regards to Council's planning instruments, policies, codes etc. and any matters relating to the completion of the development application.

Engineering Department (located 2nd floor, Council Chambers) in regards to Council's flood prone land policy and the disposal of stormwater from the site.

Health and Building Department (located 1st floor, Library Building, Civic Place) in regards to health, building, garbage disposal or safety matters. If building alterations or extensions are involved advice will be given on the relevant requirements.

Warning: As Council requires full details of the application; so that the application can be processed as quickly as possible; applicants are strongly advised to **READ** the accompanying Instructions for Completion of Development Applications **BEFORE** completing this form and submitting it to Council.
 Failure to provide the required information; or if the plans are not fully detailed; may result in Council either, returning the application or, determining the application on the information submitted.

1. APPLICANT AND LAND

The Trustees of the Roman Catholic Diocese of Parramatta for
 Parramatta Marist High School, Westmead.

APPLICANT'S NAME
 (Please Print)

TELEPHONE No.

ADDRESS 2 Darcy Rd. Westmead, N.S.W. 2145

POSTCODE 2145

PLEASE CONTACT: CHAIRS NORTHEN : PHONE 6862352.
 NAME OF CONTACT PERSON WHERE APPLICANT IS A COMPANY

Rev. Fr. Brian C. Larkey, St. Patrick's Presbytery, Marist Pl., Parramatta; 630.1115

LOCATION

2
(Street No.)Darcy Road,
(Street Name)Westmead
(Suburb)

SIDE OF STREET South
 (North/South/East/West) NEAREST CROSS STREET(S) Hawkesbury Rd.

RATES ASSESSMENT NO

1501002 008

LOT(S)

SECTION

DEPOSITED PLAN NO(S)

DP 228390

SITE DIMENSIONS

FRONTM

REARM

SIDEM

SIDEM

AREA OF SITEM²

2. EXISTING DEVELOPMENT

EXISTING USE OF LAND OR PREMISES School

TYPE OF EXISTING BUILDING (Factory, Office, Dwelling etc.)

Classrooms/Admin. Building/Amenities/Tuckshop, etc.

3. DESCRIPTION OF PROPOSED DEVELOPMENT

I, Rev. Fr. Brian C. Larkey, of St. Patrick's Presbytery, Marist Pl., Parramatta
 hereby apply for development consent to carry out the development described below

To construct a gymnasium/hall with Masonary and "Colorbond"
 steel walls and "Colorbond" steel roof.

Where the development involves the erection of a building, the proposed use of that building when erected

Indoor Sporting Complex and Assembly Hall

NOTE: Plans and other information describing the development as well as information, on the environmental impact of the proposal, must accompany the application.
 An Environmental Impact Statement may be required for any development that may result in a significant impact on its surroundings, but will be required for designated development.

4. CHANGE OF USE (Where no structural alterations/additions are proposed).

PROPOSED USE OF PREMISES

NUMBER OF EMPLOYEES

CAR PARKING SPACES: Employees

Visitors

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

5. COMMERCIAL/RETAIL DEVELOPMENT (New buildings/extensions to existing buildings)GROSS FLOOR AREA Existing COMMERCIAL M²RETAIL M²GROSS FLOOR AREA Proposed COMMERCIAL M²RETAIL M²

TOTAL FLOOR SPACE RATIO Proposed

CAR PARKING SPACES

Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

6. NEW INDUSTRIAL/WAREHOUSE DEVELOPMENT (New buildings/extensions to existing buildings)GROSS FLOOR AREA Proposed — Industrial M² Existing M²Warehouse M² M²Office M² M²Showroom M² M²Other M² M²TOTAL M² M²

CAR PARKING SPACE

Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

7. RESIDENTIAL DEVELOPMENT (residential flats; town houses; villas; dual occupancies/granny flats; aged persons units; etc).GROSS FLOOR AREA Proposed M²

FLOOR SPACE RATIO Proposed :1

NUMBER AND TYPE OF DWELLING UNITS Proposed X 4 B's X 3 B's

X 2 B's X 1 B's

NUMBER OF STOREYS

NUMBER OF LEVELS

NUMBER OF CAR PARKING SPACES: Residents Visitors

EXTERNAL WALL CONSTRUCTION OF: Existing Dwelling

Proposed Dwelling

ROOF CONSTRUCTION OF:

Existing Dwelling

Proposed Dwelling

8. EFFECT OF THE PROPOSAL ON THE SURROUNDING AREA

Please provide information, in the space below, about the effects that your proposal may have on the site, the surrounding properties, streets and the environment. For example, whether it will affect your neighbour's drainage, privacy or sunlight, if it produces noise or smoke and how much traffic there will be. As well, you should describe how you propose to overcome any such problems. (If space is insufficient to provide these details please attach a letter).

We do not see that the proposed building will have any effect on the surrounding area at all. Whilst it will be approximately 8 metres high, there are already taller buildings on the site and will largely be unseen from Darcy Road. The site is bounded on the south side by the railway line, on the west side by parklands, the east side by the new University Campus. The drainage to the site will be essentially unaffected. Other matters such as noise, privacy, shadowing, etc. are not an issue.

9. SIGNATURE OF APPLICANT(S)

I have read the Instructions For Completion Of Development Applications and I estimate that the cost of the development is [redacted] and, this application, is accompanied by the fee of \$ [redacted]

SIGNED [redacted] (If not the applicant, please state capacity signed).

10. CONSENT OF OWNER(S)

OWNER(S) NAME(S): The Trustees of The Roman Catholic Diocese of Parramatta for Parramatta Marist High School, Westmead.

ADDRESS: 2 Darcy Rd., Westmead

being the owners(s) of the land to which this application relates hereby consent to the submission of this application. Date 24/06/91

SIGNATURE OF OWNER(S): [redacted] sole agent of the Trustees for this school. Where there is more than one owner, (including where the owners are husband and wife), written consent must be submitted from each owner. Where the owner is a company, the capacity of the signatory must be stated. Owner's consent may be submitted as an attached letter.

11. OFFICE USE ONLY

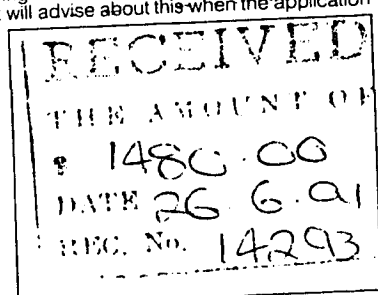
It may be necessary, depending upon the type of application, for officers of Council's Engineering and Building Departments to examine the application BEFORE the application is accepted. An officer of the Town Planning Department will advise about this when the application is presented for lodgement.

For City Engineer

For City Health and Building Surveyor

I have checked the development application, plans etc. and certify that sufficient details have been provided, the appropriate fee of \$ 1480 [redacted] accompanies the application and can be lodged.

For Chief Town Planner



OK
R/K
CTP

26/6/91



FOR OFFICE USE ONLY

No.L

FILE No.

The Parramatta City Council

Council Chambers, Civic Place, Parramatta, N.S.W. 2150
 All correspondence to: The Town Clerk, P.O. Box 32, Parramatta, N.S.W. 2124
 Telephone: 689 9333 Fax: 891 1320 DX 8279 Parramatta
 Business Hours: 9.00 am — 4.00 pm Monday-Friday

**PARRAMATTA
CITY COUNCIL**

26 JUN 2001

L91/20732

163/1501/6

DEVELOPMENT APPLICATION

ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 (SECTION 77 (3))

APPLICANTS are advised; **BEFORE SUBMITTING THE APPLICATION**; to have discussions with Council's:
Town Planning Department (located ground floor, Town Hall, 184 Church Street) in regards to Council's planning instruments, policies, codes etc. and any matters relating to the completion of the development application.

Engineering Department (located 2nd floor, Council Chambers) in regards to Council's flood prone land policy and the disposal of stormwater from the site.

Health and Building Department (located 1st floor, Library Building, Civic Place) in regards to health, building, garbage disposal or safety matters. If building alterations or extensions are involved advice will be given on the relevant requirements.

Warning: As Council requires full details of the application; so that the application can be processed as quickly as possible; applicants are strongly advised to **READ** the accompanying instructions for Completion of Development Applications **BEFORE** completing this form and submitting it to Council.
 Failure to provide the required information; or if the plans are not fully detailed; may result in Council either, returning the application or, determining the application on the information submitted.

1. APPLICANT AND LAND

The Trustees of the Roman Catholic Diocese of Parramatta for
 Parramatta Marist High School, Westmead.

APPLICANT'S NAME
 (Please Print)

ADDRESS 2 Darcy Rd., Westmead, N.S.W., 2145

TELEPHONE No.

POSTCODE 2145

PLEASE

CONTACT: ENNIS NORTHEN : PHONE 6862352.
 NAME OF CONTACT PERSON WHERE APPLICANT IS A COMPANY

Rev. Fr. Brian C. Larkey, St. Patrick's Presbytery, Marist Pl., Parramatta; 630 1115.

LOCATION

2 Darcy Road, Westmead (Suburb)
 (Street No.) (Street Name)

SIDE OF STREET South NEAREST CROSS STREET(S) Hawkesbury Rd.
 (North/South/East/West)

RATES ASSESSMENT NO

1501002 008

LOT(S)

SECTION

DEPOSITED PLAN NO(S) DP 228390

SITE DIMENSIONS

FRONT M REAR M SIDE M SIDE M

AREA OF SITE M²

2. EXISTING DEVELOPMENT

EXISTING USE OF LAND OR PREMISES School

TYPE OF EXISTING BUILDING (Factory, Office, Dwelling etc.)

Classrooms/Admin. Building/Amenities/Tuckshop, etc.

3. DESCRIPTION OF PROPOSED DEVELOPMENT

Rev. Fr. Brian C. Larkey of St. Patrick's Presbytery, Marist Pl., Parramatta

hereby apply for development consent to carry out the development described below

To construct a gymnasium/hall with Masonary and "Colorbond" steel walls and "Colorbond" steel roof.

Where the development involves the erection of a building, the proposed use of that building when erected

Indoor Sporting Complex and Assembly Hall

NOTE: Plans and other information describing the development as well as information, on the environmental impact of the proposal, must accompany the application.
 An Environmental Impact Statement may be required for any development that may result in a significant impact on its surroundings, but will be required for designated development.

4. CHANGE OF USE (Where no structural alterations/additions are proposed).

PROPOSED USE OF PREMISES

NUMBER OF EMPLOYEES

CAR PARKING SPACES: Employees

Visitors

HOURS OF OPERATION

(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

5. COMMERCIAL/RETAIL DEVELOPMENT (New buildings/extensions to existing buildings)GROSS FLOOR AREA Existing COMMERCIAL M²RETAIL M²GROSS FLOOR AREA Proposed COMMERCIAL M²RETAIL M²

TOTAL FLOOR SPACE RATIO Proposed :1

CAR PARKING SPACES

Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION

(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

6. NEW INDUSTRIAL/WAREHOUSE DEVELOPMENT (New buildings/extensions to existing buildings)GROSS FLOOR AREA Proposed — Industrial M² Existing M²Warehouse M² M²Office M² M²Showroom M² M²Other M² M²TOTAL M² M²

CAR PARKING SPACE

Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION

(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

7. RESIDENTIAL DEVELOPMENT (residential flats; town houses; villas; dual occupancies/granny flats; aged persons units; etc).GROSS FLOOR AREA Proposed M²

FLOOR SPACE RATIO Proposed :1

NUMBER AND TYPE OF DWELLING UNITS Proposed X 4 B's X 3 B's

X 2 B's X 1 B's

NUMBER OF STOREYS

NUMBER OF LEVELS

NUMBER OF CAR PARKING SPACES:

Residents Visitors

EXTERNAL WALL CONSTRUCTION OF: Existing Dwelling

Proposed Dwelling

ROOF CONSTRUCTION OF:

Existing Dwelling

Proposed Dwelling

8. EFFECT OF THE PROPOSAL ON THE SURROUNDING AREA

Please provide information, in the space below, about the effects that your proposal may have on the site, the surrounding properties, streets and the environment. For example, whether it will affect your neighbour's drainage, privacy or sunlight, if it produces noise or smoke and how much traffic there will be. As well, you should describe how you propose to overcome any such problems. (If space is insufficient to provide these details please attach a letter).

We do not see that the proposed building will have any effect on the surrounding area at all. Whilst it will be approximately 8 metres high, there are already taller buildings on the site and will largely be unseen from Darcy Road. The site is bounded on the south side by the railway line, on the west side by parklands, the east side by the new University Campus. The drainage to the site will be essentially unaffected. Other matters such as noise, privacy, shadowing, etc. are not an issue.

9. SIGNATURE OF APPLICANT(S)

I have read the Instructions For Completion Of Development Applications and I estimate that the cost of the development is \$ [redacted] and, this application, is accompanied by the fee of \$ [redacted]

SIGNED [redacted]

[redacted] is signed)

10. CONSENT OF OWNER(S)

OWNER(S) NAME(S): The Trustees of The Roman Catholic Diocese of Parramatta for Parramatta Marist High School, Westmead.

ADDRESS: 2 Darcy Rd., Westmead

being the owners(s) of the land to which this application relates hereby consent to the submission of this application.

SIGNATURE OF OWNER(S): [redacted]

Date 24/06/91

sole agent of the Trustees for this school.

Where there is more than one owner, (including where the owners are husband and wife), written consent must be submitted from each owner. Where the owner is a company, the capacity of the signatory must be stated. Owner's consent may be submitted as an attached letter.

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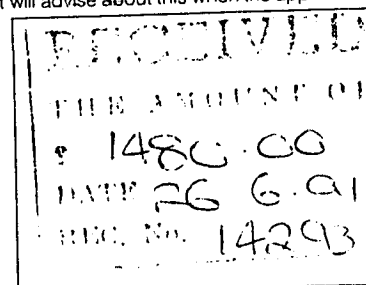
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For City Engineer

For City Health and Building Surveyor

I have checked the development application, plans etc. and certify that sufficient details have been provided, the appropriate fee of \$ 1480 [redacted] accompanies the application and can be lodged.

For Chief Town Planner



A/K
CTP

Ordinance 70 Report No. 311

Checked By [REDACTED]

THE PARRAMATTA CITY COUNCIL

HEALTH AND BUILDING DEPARTMENT

ORDINANCE 70 REQUIREMENTS RELATIVE TO DEVELOPMENT APPLICATION NO. 491/24732/163/1501/6

ADDRESS OF PREMISES:

2 DARCY RD WENTWORTHVILLE

APPLICANT'S NAME & ADDRESS:

THE TRUSTEES OF THE ROMAN CATHOLIC DIOCESE OF PARRAMATTA FOR
PARRAMATTA MARIST HIGH SCHOOL WESTMEAD 2 DARCY RD WESTMEAD

EXISTING USE OF BUILDING:

VACANT.

CLASS OF BUILDING - Existing: VACANT NO BUILDINGS. Proposed: IX b

FIRE ZONE: outside RISE IN STOREYS TWO

TYPE OF CONSTRUCTION: 3

RECOMMENDATION:

1. No objection is raised to the proposed use as related to the building.
2. Plans and specifications shall be submitted for approval prior to the commencement of any building alterations. Such application and plans are to comply with the requirements of Local Government Act, 1919, as amended, Ordinance 70, for a building outside a fire zone Class IX b with a minimum construction standard for Type 3. building.
3. The suitability of the means of egress from the building shall be determined by the Council after consideration of a report from the New South Wales Fire Brigades, and any conditions recommended by the New South Wales Fire Brigades shall be imposed as conditions on this application.
The abovementioned report will be requested by Council from the New South Wales Fire Brigades upon receipt of a Building Application for the proposal.
4. The ceiling of the area below the mezzanine floor shall comply with ORD 70 Clause 6.12.

10/7/91
(Date)

I concur with the above favourable recommendation.

(Date)

[REDACTED]
(Health and Building Surveyor)

[REDACTED]
City Health and Building Surveyor

Out 31/7/91

PARRAMATTA CITY COUNCIL

01/07/91 11.35 AM

MEMORANDUM

Meeting 26

TO : HEALTH AND BUILDING
SUBJECT : DEVELOPMENT APPLICATION
D.A. NUMBER : L91/24732 FILE NO: 163/1501/6
PROPERTY : 2 DARCY RD WENTWORTHVILLE
LOT DESC. : LOT 1 DP 228390
DATE RECEIVED: 26/06/91
PROPOSAL : INDOOR SPORTING COMPLEX AND ASSEMBLY HALL
:

THE ATTACHED DEVELOPMENT APPLICATION AND PLAN(S) ARE HEREWITHIN
SUBMITTED FOR YOUR CONSIDERATION PRIOR TO FURTHER ATTENTION BY
THE PLANNING DEPARTMENT.
YOUR EARLY ADVICE WILL BE APPRECIATED.

.....
Mr William Hynes
CITY PLANNER
PER:

Previous History:

Erect 2 demountable
classrooms - 22/2/88



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No.L

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PARRAMATTA
CITY COUNCIL

26 JUN '01

L 91 / 200732

p. 163 / 1501/6

DEVELOPMENT APPLICATION

ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 (SECTION 77 (3))

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1. APPLICANT AND LAND The Trustees of the Roman Catholic Diocese of Parramatta for Parramatta Marist High School, Westmead.

APPLICANT'S NAME TELEPHONE No.
 (Please Print) ADDRESS 2 Darcy Rd., Westmead, N.S.W. 2145

POSTCODE 2145

PLEASE CONTACT: CHAIS NORTON : PHONE 6862362.
 NAME OF CONTACT PERSON WHERE APPLICANT IS A COMPANY

Rev. Fr. Brian C. Larkey, St. Patrick's Presbytery, Marist Pl., Parramatta, 630.1115.

LOCATION 2 Darcy Road, Westmead
 (Street No.) (Street Name) (Suburb)

SIDE OF STREET South NEAREST CROSS STREET(S) Hawkesbury Rd.
 (North/South/East/West)

RATES ASSESSMENT NO 1501002 008

LOT(S) SECTION DEPOSITED PLAN NO(S) DP 278390

SITE DIMENSIONS FRONT M REAR M SIDE M SIDE M

AREA OF SITE M²

2. EXISTING DEVELOPMENT

EXISTING USE OF LAND OR PREMISES School

TYPE OF EXISTING BUILDING (Factory, Office, Dwelling etc.)

Classrooms/Admin. Building/Amenities/Tuckshop, etc.

3. DESCRIPTION OF PROPOSED DEVELOPMENT

I, Rev. Fr. Brian C. Larkey, of St. Patrick's Presbytery, Marist Pl., Parramatta

hereby apply for development consent to carry out the development described below

To construct a gymnasium/hall with Masonary and "Colorbond"
 steel walls and "Colorbond" steel roof.

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Indoor Sporting Complex and Assembly Hall

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4. CHANGE OF USE (Where no structural alterations/additions are proposed).

PROPOSED USE OF PREMISES

NUMBER OF EMPLOYEES

CAR PARKING SPACES: Employees

Visitors

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

5. COMMERCIAL/RETAIL DEVELOPMENT (New buildings/extensions to existing buildings)

GROSS FLOOR AREA Existing COMMERCIAL M²

RETAIL M²

GROSS FLOOR AREA Proposed COMMERCIAL M²

RETAIL M²

TOTAL FLOOR SPACE RATIO

Proposed :1

CAR PARKING SPACES

Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION

(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

6. NEW INDUSTRIAL/WAREHOUSE DEVELOPMENT (New buildings/extensions to existing buildings)

GROSS FLOOR AREA Proposed — Industrial M² Existing M²

Warehouse M² M²

Office M² M²

Showroom M² M²

Other M² M²

TOTAL M² M²

CAR PARKING SPACE

Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION

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7. RESIDENTIAL DEVELOPMENT (residential flats; town houses; villas; dual occupancies/granny flats; aged persons units; etc).

GROSS FLOOR AREA Proposed M²

FLOOR SPACE RATIO Proposed :1

NUMBER AND TYPE OF DWELLING UNITS Proposed X 4 B's X 3 B's

..... X 2 B's X 1 B's

NUMBER OF STOREYS

NUMBER OF LEVELS

NUMBER OF CAR PARKING SPACES: Residents Visitors

EXTERNAL WALL CONSTRUCTION OF: Existing Dwelling

Proposed Dwelling

ROOF CONSTRUCTION OF:

Existing Dwelling

Proposed Dwelling

8. EFFECT OF THE PROPOSAL ON THE SURROUNDING AREA

Please provide information, in the space below, about the effects that your proposal may have on the site, the surrounding properties, streets and the environment. For example, whether it will affect your neighbour's drainage, privacy or sunlight, if it produces noise or smoke and how much traffic there will be. As well, you should describe how you propose to overcome any such problems. (If space is insufficient to provide these details please attach a letter).

We do not see that the proposed building will have any effect on the surrounding area at all. Whilst it will be approximately 8 metres high, there are already taller buildings on the site and will largely be unseen from Darcy Road. The site is bounded on the south side by the railway line, on the west side by parklands, the east side by the new University Campus. The drainage to the site will be essentially unaffected. Other matters such as noise, privacy, shadowing, etc. are not an issue.

9. SIGNATURE OF APPLICANT(S)

I have read the Instructions For Completion Of Development Applications and I estimate that the cost of the development is \$ [redacted] and, this application, is accompanied by the fee of \$ [redacted]

SIGNED

(If not the applicant)

is signed)

C.W. NORTHEN.

BUILDING CONSULTANT - PHONE 6862352.

10. CONSENT OF OWNER(S)

OWNER(S) NAME(S): The Trustees of The Roman Catholic Diocese of Parramatta for Parramatta Marist High School, Westmead.

ADDRESS: 2 Darcy Rd., Westmead

being the owners(s) of the land to which this application relates hereby consent to the submission of this application.

SIGNATURE OF OWNER(S):

Date 24/06/91

sole agent of the Trustees for this school.

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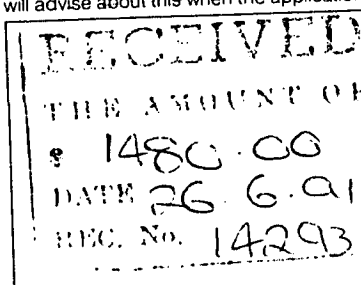
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For City Engineer

For City Health and Building Surveyor

I have checked the development application, plans etc. and certify that sufficient details have been provided, the appropriate fee of \$ 1480 accompanies the application and can be lodged.

For Chief Town Planner



A/K CTP



THE PARRAMATTA CITY COUNCIL

NOTICE OF PROPOSED DEVELOPMENTS

CLAUSE 34 OF THE PARRAMATTA PLANNING SCHEME ORDINANCE, OR CLAUSE 11 OF THE PARRAMATTA LOCAL ENVIRONMENTAL PLAN 1990 (TOONGABBIE WARD) AND/OR COUNCIL POLICY -

In accordance with the provisions of Clause 34 of the Parramatta Planning Scheme Ordinance, or Clause 11 of the Parramatta Local Environmental Plan 1990 (Toongabbie Ward) and/or Council's Policy, notice is hereby given that an application has been received for the undermentioned property for the use as shown. The application and any plans relating to the development to which this notice refers are held at the Town Planning Department, Ground Floor, Town Hall, Church Street Parramatta and may be inspected at any time between 8.30 a.m. and 5.30 p.m., Monday to Friday (Public Holidays excepted). Any person may lodge with Council an objection or submission up to 5.30 p.m. on the fourteenth day from the date of publication of this notice.

<u>PROPERTY</u>	<u>2 DARCY ROAD WESTMEAD</u>	(L91/24732)
<u>ZONING</u>	Special Uses 5(a) School - Parramatta Local Environmental Plan 1990 (Toongabbie)	
<u>PROPOSAL</u>	To construct a gymnasium/hall to be located in the position of the existing two (2) basketball courts.	

CLAUSE 342ZA OF THE LOCAL GOVERNMENT ACT, 1919, OR CLAUSE 11 OF THE PARRAMATTA LOCAL ENVIRONMENTAL PLAN 1990 (TOONGABBIE WARD) AND/OR COUNCIL POLICY -

Applications have been received by The Parramatta City Council for development on the undermentioned land. Any owner of land who contends that his/her enjoyment of his/her land will be detrimentally affected if the proposed developments are carried out may lodge an objection/submission in writing with the undersigned. The applications and any plans relating to the developments to which this notice refers are held at the Town Planning Department, Ground Floor, Town Hall, Church Street Parramatta and may be inspected at any time between 8.30 a.m. and 5.30 p.m., Monday to Friday (Public Holidays excepted). Any person may lodge with Council an objection or submission up to 5.30 p.m. on the twenty-first day from the date of publication of this notice.

<u>PROPERTY</u>	<u>6 THORNE AVENUE PENDLE HILL</u>	(L91/24710)
	To erect a second dwelling on the southern side of the existing dwelling for the purpose of a dual occupancy.	

<u>PROPERTY</u>	<u>PARK ROAD DUNDAS (Former Dundas Drive-In Site)</u>	(L91/24901)
	To erect three hundred and twenty-five (325) 3-bedroom townhouses and nineteen (19) 3-bedroom villas with resident underground car parking for 519 vehicles, and with associated community centre and public netball court, community shop, swimming pools and tennis courts, and visitor car parking for 115 vehicles at ground level.	

Access is proposed by way of traffic lights at the intersection of Park and Elder Roads and from a point in Park Road approximately 80 metres south of this intersection.

Out 31/7/91

Council Chambers,
Civic Place,
PARRAMATTA NSW 2150

R B SWORDS
Acting Town Clerk

Date: 17 July 1991

File No(s) Various

31/A/5/79 FOR OFFICE USE ONLY -
DRAFT ADVERTISEMENT
CERTIFIED CORRECT BY DEPARTMENT
OR DEPUTY DEPARTMENT HEAD

APPROVED FOR PUBLICATION BY
TOWN CLERK OR DEPUTY TOWN CLERK

DATE: 9 July 1991

DATE: 9 July 1991

PUBLICATION DETAILS					
NEWSPAPER	DATE	CLASSIFICATION	NO OF COLS	ORDER NO	PHONED
ADVERTISER	17.7.91	PUBLIC NOTICES			

Appendix "A" to Administrative
Instruction No. 79

DEVELOPMENT APPLICATION ACTION SHEET

ALLOCATION: (i) DCU/SR
(ii)

ADDRESS:

2 DARCY RD. WESTMEAD

DEVELOPMENT APPLICATION REFERENCE:

L91/24732/163/1501/6

DATE RECEIVED IN TOWN PLANNING DEPARTMENT:

27-6-91

1. PLEASE REFER TO TOWN PLANNING INQUIRY/CERTIFICATES CLERK FOR CHECKING -

(i) Additional information required - YES NO
(ii) Date of letter -
(iii) For further processing - YES

2. APPLICATION ACKNOWLEDGED -

YES DATE NO

3. ADVERTISING -

YES NO

(i) 342ZA
(ii) ORDINANCE REQUIREMENT
(iii) COUNCIL POLICY

(PLEASE HIGHLIGHT IF NECESSARY)

4. PREVIOUS HISTORY

Erect 2 demountable
classrooms - 22/2/88

5. APPROVAL POSSIBLE UNDER DELEGATED AUTHORITY - YES

NO

6. DEVELOPMENT CONTROL UNIT -

YES NO

(i) CH&BS LG 5/7/91
(ii) CE LG

REQUIRED DATE OF RETURN

7. DESIGNATED DEVELOPMENT -

YES NO

8. TRAFFIC AUTHORITY -

(i) PARRAMATTA LOCAL ADVISORY COMMITTEE YES NO
FOR GENERATING DEVELOPMENT
(ii) REGIONAL ADVISORY COMMITTEE YES NO
(iii) STATE ADVISORY COMMITTEE YES NO

9. ACTION REQUIRED -

(i) ACKNOWLEDGE D.A.
(ii) M/S ROGERS FOR ADVERTISING
(iii) D.C.U. PLEASE

Deputy Chief Town Planner

25th June 1991

C.W. NORTHEN
P.O. Box 2329
NORTH PARRAMATTA, 2151
Telephone: 686.2352

The Town Clerk
The Parramatta City Council
Civic Place
PARRAMATTA N.S.W. 2150

Dear Sir

Re: PROPOSED GYMNASIUM/HALL AT
PARRAMATTA MARIST HIGH SCHOOL, WESTMEAD

Enclosed is a Development Application for a Proposed Multi-Function Facility in the grounds of the Parramatta Marist High School, Westmead. Over the last four years the Parents & Friends Association have been working towards building a multi-use building, primarily for the benefit of the boys of Parramatta Marist High and the girls of Catherine McAuley High School.

This has led us to investigate fully the various sporting and cultural centres that have been built in Sydney and to talk to the various sporting organisations such as the Australian Basketball Association, the Australian Netball Association and the Volleyball Association. As well as providing tournament conditions for these various sporting events, the building will be used as a school hall in which many other school and social activities will be carried out such as plays, graduation nights, discos, concerts and general assemblies.

One of the primary conditions that the Parents & Friends Association were given by the Catholic Education Office and the Bishop was that the "design and fabric of the building be as compatible as possible with the other buildings on the site". With this in mind we have elected to construct the building in painted masonry panels to 3 metres and Colorbond Cladding to the remainder of the walls and roof. The colour will match as near as possible to the existing buildings.

25th June 1991

We have incorporated in the building a Sport Storage Room, a Weights Room and two Lecture Rooms. There is a Foyer and Public Address Room, a Canteen and comprehensive Toilets and Amenities for males and females. These amenities will be used for not only indoor sports, but also for outdoor sports such as swimming, football, athletics and the like.

The location of the building is basically in the position of the existing two basketball courts and will not reduce the available car parking facilities on the site. We anticipate that during the day no increase in traffic will arise as a result of this building and during the evening when, for example, the District Basketball Association hires the courts, this traffic will have parking normally used by teachers, staff and students. We are confident that there is a great deal of extra space available on site for any extraordinary crowds and it would never be necessary for cars to park on the street.

Following our initial approach to Council's Town Planning Division, advising of our intentions to submit this Development Application we invited your Mr. Sanchez to visit the site and see first hand exactly where and what we wanted to build. We followed this with a visit to the Engineer's Department and met Mr. Lau, whom we also invited to visit site. We believe that this meeting was also of great value in that Mr. Lau has now a sound appreciation of the site conditions, particularly from the point of view of the stormwater control.

We understand that Council will require samples of the various finishes to the building and these will be forthcoming. Enclosed are the D.A. Drawings and some photographs of the style of building constructed by Long & Craft, the Builders for the Project.

We thank you in anticipation.

Yours faithfully


C.W. NORTHEN
Project Consultant

19,000,000



FOR OFFICE USE ONLY

No.L

FILE No.

The Parramatta City Council

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PARRAMATTA
CITY COUNCIL

26 JUN 2001

L 91 / 24732

163 / 1501/6

DEVELOPMENT APPLICATION

ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 (SECTION 77 (3))

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Engineering Department (located 2nd floor, Council Chambers) in regards to Council's flood prone land policy and the
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Health and Building Department (located 1st floor, Library Building, Civic Place) in regards to health, building, garbage
 disposal or safety matters. If building alterations or extensions are involved advice will be given on the relevant requirements.

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 cation or, determining the application on the information submitted.

1. APPLICANT AND LAND

The Trustees of the Roman Catholic Diocese of Parramatta for
 Parramatta Marist High School, Westmead.

APPLICANT'S NAME
 (Please Print)

TELEPHONE No.

ADDRESS 2 Darcy Rd., Westmead, N.S.W., 2145

POSTCODE 2145

PLEASE CONTACT: CHAIRS NORTHEN : PHONE 6862352.
 NAME OF CONTACT PERSON WHERE APPLICANT IS A COMPANY

Rev. Fr. Brian C. Larkey, St. Patrick's Presbytery, Marist Pl., Parramatta; 630.1115

LOCATION

2
 (Street No.)

Darcy Road,
 (Street Name)

Westmead,
 (Suburb)

SIDE OF STREET

South

(North/South/East/West)

NEAREST CROSS STREET(S) Hawkesbury Rd.

RATES ASSESSMENT NO

1501002 008

LOT(S)

SECTION

DEPOSITED PLAN NO(S)

DP 228390

SITE DIMENSIONS

FRONT

M

REAR

M

SIDE

M

SIDE

M

AREA OF SITE

M²

2. EXISTING DEVELOPMENT

EXISTING USE OF LAND OR PREMISES School

TYPE OF EXISTING BUILDING (Factory, Office, Dwelling etc.)

Classrooms/Admin. Building/Amenities/Tuckshop, etc.

3. DESCRIPTION OF PROPOSED DEVELOPMENT

I, Rev. Fr. Brian C. Larkey, of St. Patrick's Presbytery, Marist Pl., Parramatta

hereby apply for development consent to carry out the development described below

To construct a gymnasium/hall with Masonary and "Colorbond"
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Where the development involves the erection of a building, the proposed use of that building when erected

Indoor Sporting Complex and Assembly Hall.

NOTE:

Plans and other information describing the development as well as information, on the environmental impact of the proposal,
 must accompany the application.
 An Environmental Impact Statement may be required for any development that may result in a significant impact on its
 surroundings, but will be required for designated development.

PLANS HELD IN TOWN PLANNING

4. CHANGE OF USE (Where no structural alterations/additions are proposed).

PROPOSED USE OF PREMISES

NUMBER OF EMPLOYEES

CAR PARKING SPACES: Employees Visitors

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

5. COMMERCIAL/RETAIL DEVELOPMENT (New buildings/extensions to existing buildings)GROSS FLOOR AREA Existing COMMERCIAL M²RETAIL M²GROSS FLOOR AREA Proposed COMMERCIAL M²RETAIL M²

TOTAL FLOOR SPACE RATIO Proposed :1

CAR PARKING SPACES Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

6. NEW INDUSTRIAL/WAREHOUSE DEVELOPMENT (New buildings/extensions to existing buildings)GROSS FLOOR AREA Proposed — Industrial M² Existing M²Warehouse M² M²Office M² M²Showroom M² M²Other M² M²TOTAL M² M²

CAR PARKING SPACE Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

7. RESIDENTIAL DEVELOPMENT (residential flats; town houses; villas; dual occupancies/granny flats; aged persons units; etc).GROSS FLOOR AREA Proposed M²

FLOOR SPACE RATIO Proposed :1

NUMBER AND TYPE OF DWELLING UNITS Proposed X 4 B's X 3 B's

..... X 2 B's X 1 B's

NUMBER OF STOREYS

NUMBER OF LEVELS

NUMBER OF CAR PARKING SPACES: Residents Visitors

EXTERNAL WALL CONSTRUCTION OF: Existing Dwelling

Proposed Dwelling

ROOF CONSTRUCTION OF:

Existing Dwelling

Proposed Dwelling

8. EFFECT OF THE PROPOSAL ON THE SURROUNDING AREA

Please provide information, in the space below, about the effects that your proposal may have on the site, the surrounding properties, streets and the environment. For example, whether it will affect your neighbour's drainage, privacy or sunlight, if it produces noise or smoke and how much traffic there will be. As well, you should describe how you propose to overcome any such problems.
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9. SIGNATURE OF APPLICANT(S)

I have read the Instructions For Completion Of Development Applications and I estimate that the cost of the development is \$ [redacted] and, this application, is accompanied by the fee of \$ [redacted]

SIGNED

(If not the applicant)

(signed)

C.W. NORTHEN

BUILDING CONSULTANT - PHONE 6862352

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OWNER(S) NAME(S): The Trustees of The Roman Catholic Diocese of Parramatta for Parramatta Marist High School, Westmead.

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Date 24/06/91

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For City Engineer

For City Health and Building Surveyor

I have checked the development application, plans etc. and certify that sufficient details have been provided, the appropriate fee of \$ 1480 accompanies the application and can be lodged.

For Chief Town Planner

RECEIVED
THE AMOUNT OF
\$ 1480.00
DATE 26.6.91
REC. No. 14293

28 JUN 1991

REFERRED TO TPD.

L91/24732/163/1501/6
DP:JAB

Reverend Father Brian C. Larkey,
St. Patrick's Presbytery,
Marist Place,
PARRAMATTA 2150

August 28, 1991.

Dear Reverend Father,

Development Application - 2 Darcy Road,
Westmead.

The Council at its meeting on August 19, 1991 gave consideration to the abovementioned Development Application submitted by you seeking approval to erect a gymnasium/hall for use in various sporting and school related activities at 2 Darcy Road, Westmead.

At that meeting, the Council resolved that the application be approved subject to conditions 1 through to 7 as contained in Chief Town Planner's Report No. 681/91.

A copy of these conditions is attached.

You are advised of the right of appeal to the Land and Environment Court against all or any of the above conditions of approval.

In addition, the Council resolved that the Development Application fee be refunded and the Building Application fee be waived and they be treated as donations pursuant to the provisions of Section 504 of the Local Government Act, 1919.

Accordingly, your Development Application fee will be refunded in the near future.

Yours faithfully,

Date..... 4/10/91
Voucher No. 63991
Amount \$1,480.00

(R.B. SWORDS)
Town Clerk.

Date..... 4/10/91
Voucher No. 63991
Amount \$1,480-

Encl:

Copies forwarded to CTP, CE & CHS

28 AUG 1991 REFERRED TO CITY TREASURER

In accordance with Council's resolution of the 19.8.91
Minute 67569 Section (C) the amount of \$1,480- is
required to be refunded.

Referred for your attention. A. Caladine 23.9.91

For refund of DA fee via rec. 14293 as per
Council's resolution.

CTP/RO No further action is required.
Please File. A. Caladine 11.10.91

L91/24732/163/1501/6
DP:JAB

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St. Patrick's Presbytery,
Marist Place,
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Voucher No.	63991
Amount	Rec 509 \$1480.00

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DEVELOPMENT CONSENT CONDITIONS

2 DARCY ROAD, WESTMEAD

CTP REPORT NO:681/91

REF:L91/24732/163/1501/6

- (a) The application be approved subject to the following conditions:-
- (1) Plans and specifications (four (4) copies) shall be submitted for approval prior to the commencement of any building alterations. Such application and plans are to comply with the requirements of the Local Government Act, 1919, as amended, Ordinance 70, for a building outside a fire zone Class IXb with a minimum construction standard for Type 3 building.
 - (2) Compliance with all the requirements of the City Health and Building Surveyor.
In this respect the following should be noted:-
 - (A) The suitability of the means of egress from the building shall be determined by the Council after consideration of a report from the New South Wales Fire Brigades, and any conditions recommended by the New South Wales Fire Brigades shall be imposed as conditions on this application. The abovementioned report will be requested by Council from the New South Wales Fire Brigades upon receipt of a Building Application for the proposal.
 - (B) The ceiling of the area below the mezzanine floor shall comply with Clause 16.12 of Ordinance 70.
 - (3) The erection of any advertising signs to be subject to separate consideration by Council.
 - (4) The use is to be conducted at all times without interference to the amenity of the area.
 - (5) The submission of a comprehensive landscape plan to the satisfaction of Council. This plan is to provide for:
 - (A) Additional planting around the proposed gymnasium/hall. Plant species selection should have regard to the scale of the building, the maturity height of the plant material and existing vegetation patterns in the general locality.
 - (6) The walls of the building up to three metres above the main floor level to be finished in face brick work or an alternative material of attractive appearance and minimum maintenance. In this regard it should be noted that the proposed painted concrete panels are unsuitable.


Town Planner


(W. B. HYNES)
Chief Town Planner

- (7) Compliance with all the requirements of the City Engineer, viz:-
- (A) the submission with the building application of detailed plans showing the method proposed to be used for the disposal of stormwater from the development site and the effect, (if any), of the erection of the proposed development on drainage of adjoining sites. The proposed disposal of stormwater shall comply as closely as practically possible with the provisions of Council's Code for the Disposal of Roof and Surface Waters from Building Developments, 1988. Particular attention is drawn to option (A) Section 2.2.8 of the code concerning stormwater flow from adjoining properties; option (B) (and) Section (5) concerning on-site detention;
 - (B) all stormwater runoff from the building site is to be clear and unpolluted, and details are to be submitted in conjunction with the building application showing how this will be achieved during the construction works associated with the development;
 - (C) the stormwater drainage plans to be approved by the City Engineer prior to the release of the building plans;
 - (D) work as executed plans of the stormwater Drainage System giving grate, invert and ground surface levels, certified by a suitably qualified person, are to be submitted to Council prior to occupation for ensuring compliance with approved plans. This submission is to include certification of the volume of on-site detention provided, and structural adequacy of the detention system;
 - (E) all work to be to the requirements and satisfaction of the City Engineer;
 - (F) all work to be completed prior to the occupation of the buildings;
 - (G) all works required in association with this development consent to be completed at no cost to Council.
- (b) The applicant be advised of the right of appeal to the Land and Environment Court against all or any of the above conditions of approval.
- (c) Council to determine whether the Development Application fee should be refunded and the Building Application fee be waived.

Town Planner

(W.D. BINES)
Chief Town Planner



FOR OFFICE USE ONLY

No.L

FILE No.

The Parramatta City Council

Council Chambers, Civic Place, Parramatta, N.S.W. 2150
 All correspondence to: The Town Clerk, P.O. Box 32, Parramatta, N.S.W. 2124
 Telephone: 689 9333 Fax: 891 1320 DX 8279 Parramatta
 Business Hours: 9.00 am — 4.00 pm Monday-Friday

PARRAMATTA
CITY COUNCIL

26 JUN '01

L 91 / 200732

163 / 1501/6

DEVELOPMENT APPLICATION

ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 (SECTION 77 (3))

APPLICANTS are advised; **BEFORE SUBMITTING THE APPLICATION**; to have discussions with Council's:
Town Planning Department (located ground floor, Town Hall, 184 Church Street) in regards to Council's planning instruments, policies, codes etc. and any matters relating to the completion of the development application.

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Warning: As Council requires full details of the application; so that the application can be processed as quickly as possible; applicants are strongly advised to **READ** the accompanying Instructions for Completion of Development Applications **BEFORE** completing this form and submitting it to Council.
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 Parramatta Marist High School, Westmead.

APPLICANT'S NAME
 (Please Print)

TELEPHONE No.

ADDRESS 2 Darcy Rd., Westmead, N.S.W. 2145

POSTCODE 2145

PLEASE CONTACT: CHAIRS NORTHEN : PHONE 6862352.
 NAME OF CONTACT PERSON WHERE APPLICANT IS A COMPANY

Rev. Fr. Brian C. Larkey, St. Patrick's Presbytery, Marist Pl., Parramatta; 630.1115

LOCATION

2
(Street No.)Darcy Road,
(Street Name)Westmead
(Suburb)

SIDE OF STREET

South
(North/South/East/West)

NEAREST CROSS STREET(S) Hawkesbury Rd.

RATES ASSESSMENT NO

1501002 008

LOT(S)

SECTION

DEPOSITED PLAN NO(S)

DP 228390

SITE DIMENSIONS

FRONTM

REARM

SIDEM

SIDEM

AREA OF SITE

M²

2. EXISTING DEVELOPMENT

EXISTING USE OF LAND OR PREMISES School

TYPE OF EXISTING BUILDING (Factory, Office, Dwelling etc.)

Classrooms/Admin. Building/Amenities/Tuckshop, etc.

3. DESCRIPTION OF PROPOSED DEVELOPMENT

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Indoor Sporting Complex and Assembly Hall

NOTE: Plans and other information describing the development as well as information, on the environmental impact of the proposal, must accompany the application.
 An Environmental Impact Statement may be required for any development that may result in a significant impact on its surroundings, but will be required for designated development.

4. CHANGE OF USE (Where no structural alterations/additions are proposed).

PROPOSED USE OF PREMISES

NUMBER OF EMPLOYEES

CAR PARKING SPACES: Employees

Visitors

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

5. COMMERCIAL/RETAIL DEVELOPMENT (New buildings/extensions to existing buildings)GROSS FLOOR AREA Existing COMMERCIAL M²RETAIL M²GROSS FLOOR AREA Proposed COMMERCIAL M²RETAIL M²

TOTAL FLOOR SPACE RATIO Proposed

CAR PARKING SPACES

Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION
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PLANT AND MACHINERY TO BE USED

6. NEW INDUSTRIAL/WAREHOUSE DEVELOPMENT (New buildings/extensions to existing buildings)GROSS FLOOR AREA Proposed — Industrial M² Existing M²Warehouse M² M²Office M² M²Showroom M² M²Other M² M²TOTAL M² M²

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HOURS OF OPERATION
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7. RESIDENTIAL DEVELOPMENT (residential flats; town houses; villas; dual occupancies/granny flats; aged persons units; etc).GROSS FLOOR AREA Proposed M²

FLOOR SPACE RATIO Proposed :1

NUMBER AND TYPE OF DWELLING UNITS Proposed X 4 B's X 3 B's

X 2 B's X 1 B's

NUMBER OF STOREYS

NUMBER OF LEVELS

NUMBER OF CAR PARKING SPACES: Residents Visitors

EXTERNAL WALL CONSTRUCTION OF: Existing Dwelling

Proposed Dwelling

ROOF CONSTRUCTION OF:

Existing Dwelling

Proposed Dwelling

8. EFFECT OF THE PROPOSAL ON THE SURROUNDING AREA

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SIGNED

(If not the applicant)

C.W. NORTHEN.

who is signed)

Building Consultant - Phone 6862352

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OWNER(S) NAME(S):

ADDRESS:

2 Darcy Rd., Westmead

being the owners(s) of the land to which this application relates hereby consent to the submission of this application.

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Date 24/06/91

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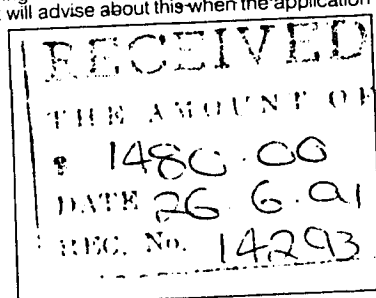
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For Chief Town Planner



R/K
CTP



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**PARRAMATTA
CITY COUNCIL**

26 JUN 2001

L91/20732

163/1501/6

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Rev. Fr. Brian C. Larkey, St. Patrick's Presbytery, Marist Pl., Parramatta; 630 1115.

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SIDE OF STREET South NEAREST CROSS STREET(S) Hawkesbury Rd.
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RATES ASSESSMENT NO

1501002 008

LOT(S)

SECTION

DEPOSITED PLAN NO(S)

DP 228390

SITE DIMENSIONS

FRONT M

REAR M

SIDE M

SIDE M

AREA OF SITE M²

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Visitors

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NUMBER OF LEVELS

NUMBER OF CAR PARKING SPACES:

Residents

Visitors

EXTERNAL WALL CONSTRUCTION OF: Existing Dwelling

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11. OFFICE USE ONLY

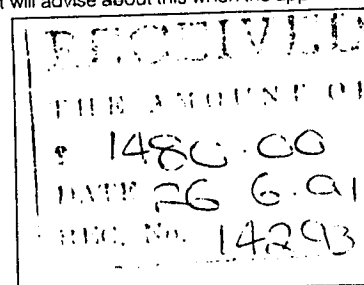
It may be necessary, depending upon the type of application, for officers of Council's Engineering and Building Departments to examine the application BEFORE the application is accepted. An officer of the Town Planning Department will advise about this when the application is presented for lodgement.

For City Engineer

For City Health and Building Surveyor

I have checked the development application, plans etc. and certify that sufficient details have been provided, the appropriate fee of \$ 1480 accompanies the application and can be lodged.

For Chief Town Planner



A/K
CTP

Ordinance 70 Report No. 311

Checked By [Signature]

THE PARRAMATTA CITY COUNCIL

HEALTH AND BUILDING DEPARTMENT

ORDINANCE 70 REQUIREMENTS RELATIVE TO DEVELOPMENT APPLICATION NO. 491/24732/163/1501/6

ADDRESS OF PREMISES:

2 DARCY RD WENTWORTHVILLE

APPLICANT'S NAME & ADDRESS:

THE TRUSTEES OF THE ROMAN CATHOLIC DIOCESE OF PARRAMATTA FOR
PARRAMATTA MARIST HIGH SCHOOL WESTMEAD 2 DARCY RD WESTMEAD

EXISTING USE OF BUILDING:

VACANT.

CLASS OF BUILDING - Existing: VACANT NO BUILDINGS. Proposed: IX b

FIRE ZONE: outside RISE IN STOREYS TWO

TYPE OF CONSTRUCTION: 3

RECOMMENDATION:

1. No objection is raised to the proposed use as related to the building.
2. Plans and specifications shall be submitted for approval prior to the commencement of any building alterations. Such application and plans are to comply with the requirements of Local Government Act, 1919, as amended, Ordinance 70, for a building outside a fire zone Class IX b with a minimum construction standard for Type 3. building.
3. The suitability of the means of egress from the building shall be determined by the Council after consideration of a report from the New South Wales Fire Brigades, and any conditions recommended by the New South Wales Fire Brigades shall be imposed as conditions on this application.
The abovementioned report will be requested by Council from the New South Wales Fire Brigades upon receipt of a Building Application for the proposal.
4. The ceiling of the area below the mezzanine floor shall comply with ORD 70 Clause 6.12.

10/7/91

(Date)

I concur with the above favourable recommendation.

[Signature]
(Health and Building Surveyor)

[Signature]
(Date)

[Signature]
City Health and Building Surveyor

Out 31/7/91

PARRAMATTA CITY COUNCIL

01/07/91 11.35 AM

MEMORANDUM

Meeting 26

TO : HEALTH AND BUILDING
SUBJECT : DEVELOPMENT APPLICATION
D.A. NUMBER : L91/24732 FILE NO: 163/1501/6
PROPERTY : 2 DARCY RD WENTWORTHVILLE
LOT DESC. : LOT 1 DP 228390
DATE RECEIVED: 26/06/91
PROPOSAL : INDOOR SPORTING COMPLEX AND ASSEMBLY HALL
:

THE ATTACHED DEVELOPMENT APPLICATION AND PLAN(S) ARE HEREWITHIN
SUBMITTED FOR YOUR CONSIDERATION PRIOR TO FURTHER ATTENTION BY
THE PLANNING DEPARTMENT.
YOUR EARLY ADVICE WILL BE APPRECIATED.

.....
Mr William Hynes
CITY PLANNER
PER:

Previous History:

Erect 2 demountable
classrooms - 22/2/88



FOR OFFICE USE ONLY

No.L

FILE No.

The Parramatta City Council

Council Chambers, Civic Place, Parramatta, N.S.W. 2150
 All correspondence to: The Town Clerk, P.O. Box 32, Parramatta, N.S.W. 2124
 Telephone: 689 9333 Fax: 891 1320 DX 8279 Parramatta
 Business Hours: 9.00 am — 4.00 pm Monday-Friday

PARRAMATTA
CITY COUNCIL

26 JUN '01

L 91 / 200732

p. 163 / 1501/6

DEVELOPMENT APPLICATION

ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 (SECTION 77 (3))

APPLICANTS are advised; **BEFORE SUBMITTING THE APPLICATION**; to have discussions with Council's:
Town Planning Department (located ground floor, Town Hall, 184 Church Street) in regards to Council's planning instruments, policies, codes etc. and any matters relating to the completion of the development application.

Engineering Department (located 2nd floor, Council Chambers) in regards to Council's flood prone land policy and the disposal of stormwater from the site.

Health and Building Department (located 1st floor, Library Building, Civic Place) in regards to health, building, garbage disposal or safety matters. If building alterations or extensions are involved advice will be given on the relevant requirements.

Warning: As Council requires full details of the application; so that the application can be processed as quickly as possible; applicants are strongly advised to **READ** the accompanying Instructions for Completion of Development Applications **BEFORE** completing this form and submitting it to Council.
 Failure to provide the required information; or if the plans are not fully detailed; may result in Council either, returning the application or, determining the application on the information submitted.

1. APPLICANT AND LAND The Trustees of the Roman Catholic Diocese of Parramatta for Parramatta Marist High School, Westmead.

APPLICANT'S NAME (Please Print)

TELEPHONE No.

ADDRESS 2 Darcy Rd., Westmead, N.S.W. 2145

POSTCODE 2145

PLEASE CONTACT: CHAIRS, NORTON : PHONE 6862352.

NAME OF CONTACT PERSON WHERE APPLICANT IS A COMPANY

Rev. Fr. Brian C. Larkey, St. Patrick's Presbytery, Marist Pl., Parramatta, 630.1115.

LOCATION 2 Darcy Road, Westmead,
(Street No.) (Street Name) (Suburb)SIDE OF STREET South NEAREST CROSS STREET(S) Hawkesbury Rd.
(North/South/East/West)

RATES ASSESSMENT NO 1501002 008

LOT(S) SECTION DEPOSITED PLAN NO(S) DP 228390

SITE DIMENSIONS FRONT M REAR M SIDE M SIDE M

AREA OF SITE M²

2. EXISTING DEVELOPMENT

EXISTING USE OF LAND OR PREMISES School

TYPE OF EXISTING BUILDING (Factory, Office, Dwelling etc.)

Classrooms/Admin. Building/Amenities/Tuckshop, etc.

3. DESCRIPTION OF PROPOSED DEVELOPMENT

I, Rev. Fr. Brian C. Larkey, of St. Patrick's Presbytery, Marist Pl., Parramatta
 hereby apply for development consent to carry out the development described below

To construct a gymnasium/hall with Masonary and "Colorbond"
 steel walls and "Colorbond" steel roof.

Where the development involves the erection of a building, the proposed use of that building when erected

Indoor Sporting Complex and Assembly Hall

NOTE: Plans and other information describing the development as well as information, on the environmental impact of the proposal, must accompany the application.
 An Environmental Impact Statement may be required for any development that may result in a significant impact on its surroundings, but will be required for designated development.

4. CHANGE OF USE (Where no structural alterations/additions are proposed).

PROPOSED USE OF PREMISES

NUMBER OF EMPLOYEES

CAR PARKING SPACES: Employees

Visitors

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

5. COMMERCIAL/RETAIL DEVELOPMENT (New buildings/extensions to existing buildings)

GROSS FLOOR AREA Existing COMMERCIAL M²

RETAIL M²

GROSS FLOOR AREA Proposed COMMERCIAL M²

RETAIL M²

TOTAL FLOOR SPACE RATIO

Proposed :1

CAR PARKING SPACES

Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION

(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

6. NEW INDUSTRIAL/WAREHOUSE DEVELOPMENT (New buildings/extensions to existing buildings)

GROSS FLOOR AREA Proposed — Industrial M² Existing M²

Warehouse M² M²

Office M² M²

Showroom M² M²

Other M² M²

TOTAL M² M²

CAR PARKING SPACE

Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION

(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

7. RESIDENTIAL DEVELOPMENT (residential flats; town houses; villas; dual occupancies/granny flats; aged persons units; etc).

GROSS FLOOR AREA Proposed M²

FLOOR SPACE RATIO Proposed :1

NUMBER AND TYPE OF DWELLING UNITS Proposed X 4 B's X 3 B's

..... X 2 B's X 1 B's

NUMBER OF STOREYS

NUMBER OF LEVELS

NUMBER OF CAR PARKING SPACES: Residents Visitors

EXTERNAL WALL CONSTRUCTION OF: Existing Dwelling

Proposed Dwelling

ROOF CONSTRUCTION OF:

Existing Dwelling

Proposed Dwelling

8. EFFECT OF THE PROPOSAL ON THE SURROUNDING AREA

Please provide information, in the space below, about the effects that your proposal may have on the site, the surrounding properties, streets and the environment. For example, whether it will affect your neighbour's drainage, privacy or sunlight, if it produces noise or smoke and how much traffic there will be. As well, you should describe how you propose to overcome any such problems. (If space is insufficient to provide these details please attach a letter).

We do not see that the proposed building will have any effect on the surrounding area at all. Whilst it will be approximately 8 metres high, there are already taller buildings on the site and will largely be unseen from Darcy Road. The site is bounded on the south side by the railway line, on the west side by parklands, the east side by the new University Campus. The drainage to the site will be essentially unaffected. Other matters such as noise, privacy, shadowing, etc. are not an issue.

9. SIGNATURE OF APPLICANT(S)

I have read the Instructions For Completion Of Development Applications and I estimate that the cost of the development is \$ 980,000 and, this application, is accompanied by the fee of \$

SIGNED

(If not the applicant, the capacity in which signed)

C.W. NORTHEN

is signed)

BUILDING CONSULTANT - PHONE 6862352

10. CONSENT OF OWNER(S)

OWNER(S) NAME(S): The Trustees of The Roman Catholic Diocese of Parramatta for Parramatta Marist High School, Westmead.

ADDRESS: 2 Darcy Rd., Westmead

being the owners(s) of the land to which this application relates hereby consent to the submission of this application.

SIGNATURE OF OWNER(S):

Date 24/06/91

sole agent of the Trustees for this school.

Where there is more than one owner, (including where the owners are husband and wife), written consent must be submitted from each owner. Where the owner is a company, the capacity of the signatory must be stated. Owner's consent may be submitted as an attached letter.

11. OFFICE USE ONLY

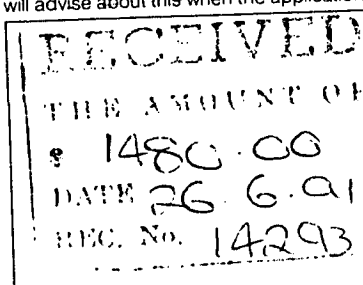
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For City Engineer

For City Health and Building Surveyor

I have checked the development application, plans etc. and certify that sufficient details have been provided, the appropriate fee of \$ 1480 accompanies the application and can be lodged.

For Chief Town Planner

A/K
CTP



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No.L

FILE No.

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PARRAMATTA
CITY COUNCIL

26 JUN 2001

L 91 / 24732

163 / 1501/6

DEVELOPMENT APPLICATION

ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 (SECTION 77 (3))

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 (Please Print)

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ADDRESS 2 Darcy Rd., Westmead, N.S.W., 2145

POSTCODE 2145

PLEASE CONTACT: CHAIRS NORTHEN : PHONE 6862352.
 NAME OF CONTACT PERSON WHERE APPLICANT IS A COMPANY

Rev. Fr. Brian C. Larkey, St. Patrick's Presbytery, Marist Pl., Parramatta; 630.1115

LOCATION

2
 (Street No.)

Darcy Road,
 (Street Name)

Westmead,
 (Suburb)

SIDE OF STREET

South

(North/South/East/West)

NEAREST CROSS STREET(S) Hawkesbury Rd.

RATES ASSESSMENT NO

1501002 008

LOT(S)

SECTION

DEPOSITED PLAN NO(S)

DP 228390

SITE DIMENSIONS

FRONT

M

REAR

M

SIDE

M

SIDE

M

AREA OF SITE

M²

2. EXISTING DEVELOPMENT

EXISTING USE OF LAND OR PREMISES School

TYPE OF EXISTING BUILDING (Factory, Office, Dwelling etc.)

Classrooms/Admin. Building/Amenities/Tuckshop, etc.

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Where the development involves the erection of a building, the proposed use of that building when erected

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NOTE:

Plans and other information describing the development as well as information, on the environmental impact of the proposal, must accompany the application.
 An Environmental Impact Statement may be required for any development that may result in a significant impact on its surroundings, but will be required for designated development.

PLANS HELD IN TOWN PLANNING

4. CHANGE OF USE (Where no structural alterations/additions are proposed).

PROPOSED USE OF PREMISES

NUMBER OF EMPLOYEES

CAR PARKING SPACES: Employees Visitors

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

DETAILS OF ANY DANGEROUS GOODS MANUFACTURED, USED OR STORED ON THE SITE

5. COMMERCIAL/RETAIL DEVELOPMENT (New buildings/extensions to existing buildings)GROSS FLOOR AREA Existing COMMERCIAL M²RETAIL M²GROSS FLOOR AREA Proposed COMMERCIAL M²RETAIL M²

TOTAL FLOOR SPACE RATIO Proposed :1

CAR PARKING SPACES Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION
(Including nighttime and weekends)

PLANT AND MACHINERY TO BE USED

6. NEW INDUSTRIAL/WAREHOUSE DEVELOPMENT (New buildings/extensions to existing buildings)GROSS FLOOR AREA Proposed — Industrial M² Existing M²Warehouse M² M²Office M² M²Showroom M² M²Other M² M²TOTAL M² M²

CAR PARKING SPACE Existing: Employees Visitors

Proposed: Employees Visitors

NUMBER OF EMPLOYEES

HOURS OF OPERATION
(Including nighttime and weekends)

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NUMBER AND TYPE OF DWELLING UNITS Proposed X 4 B's X 3 B's

..... X 2 B's X 1 B's

NUMBER OF STOREYS

NUMBER OF LEVELS

NUMBER OF CAR PARKING SPACES: Residents Visitors

EXTERNAL WALL CONSTRUCTION OF: Existing Dwelling

Proposed Dwelling

ROOF CONSTRUCTION OF:

Existing Dwelling

Proposed Dwelling

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(If space is insufficient to provide these details please attach a letter).

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9. SIGNATURE OF APPLICANT(S)

I have read the Instructions For Completion Of Development Applications and I estimate that the cost of the development is \$ [redacted] and, this application, is accompanied by the fee of \$ [redacted]

SIGNED [redacted] C.W. NORTHEN.
(If not the applicant is signed).
BUILDING CONSULTANT - PHONE 6862352.

10. CONSENT OF OWNER(S)

OWNER(S) NAME(S): The Trustees of The Roman Catholic Diocese of Parramatta for
ADDRESS: Parramatta Marist High School, Westmead.
2 Darcy Rd., Westmead
being the owners(s) of the land to which this application relates hereby consent to the submission of this application.

SIGNATURE OF OWNER(S): [redacted] Date 24/06/91
sole agent of the Trustees for this school.

Where there is more than one owner, (including where the owners are husband and wife), written consent must be submitted from each owner. Where the owner is a company, the capacity of the signatory must be stated. Owner's consent may be submitted as an attached letter.

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For City Engineer

For City Health and Building Surveyor

I have checked the development application, plans etc. and certify that sufficient details have been provided, the appropriate fee of \$ 1480 accompanies the application and can be lodged.

For Chief Town Planner

RECEIVED
THE AMOUNT OF
\$ 1480.00
DATE 26.6.91
REC. No. 14293

28 JUN 1991

REFERRED TO TPD.



CONSIDERED UNDER B.C.A.
THE COUNCIL OF THE CITY OF PARRAMATTA

No. T89/92

BUILDING APPLICATION

LOCAL GOVERNMENT ACT, 1919 (ORDINANCE 70)

APPROVED

THIS PAGE MUST BE COMPLETED BY THE APPLICANT — PLEASE ANSWER ALL QUESTIONS

LOCATION OF PROPOSED BUILDING

HOUSE NO., UNIT NO., OR NAME	STREET	TOWN OR SUBURB	POSTCODE
2	MARCY ROAD	WEST HAVEN	
LOT OR PORTION NO.	SECTION	D.P. STRATA PLAN OR ESTATE	NEAREST CROSS STREET
1		DP 228330	
FRONTAGE (M)	DEPTH (M)	PARISH	

OWNER

MR, MRS, MISS, MS	FAMILY NAME	GIVEN NAMES
ADDRESS		POSTCODE PHONE

BUILDER

NAME	LICENCE No.	OWNER BUILDER PERMIT No.
Bela Poloma Builders		
ADDRESS	POSTCODE	PHONE
37-41 MALBURN ST RIVERSTONE	2765	627 3555

APPLICANT: NOTE: MUST BE EITHER THE OWNER, BUILDER, ARCHITECT, OR STRUCTURAL ENGINEER

NAME	PHONE
TRUSTEES OF THE CITIES OF PARRAMATTA	
ADDRESS	POSTCODE
VICTORIA RD PARRAMATTA	

PARTICULARS OF PROPOSED BUILDING

STATE WHETHER NEW OR ALTERATION OR ADDITION	TOTAL NEW OR ADDITIONAL FLOOR AREA(M ²)
ADDITION	136 M ²
TYPE OF BUILDING (e.g. House, Home Units, Town Houses, Flats, Factory, Shop, Offices, etc.)	NUMBER OF SETS OF PLANS AND SPECIFICATIONS LODGED
SCHOOL	3
NUMBER OF NEW OR ADDITIONAL SELF-CONTAINED DWELLING UNITS	MATERIAL OF FLOOR(S)
	TIMBER / STONE
CONTRACT PRICE OR COUNCIL'S VALUATION OF WORK	MATERIAL ROOF OF (e.g. Concrete or Terra Cotta Tiles, Steel etc.)
\$20,000	STONE
STATE WHETHER MATERIALS USED ARE NEW OR SECOND HAND	SITE PLAN — Indicate north point
USED CLASHING RELOCATION	
MATERIAL OF OUTER WALLS (e.g. Brick Veneer, Cavity Brick, Timber)	
CLASHING	
NUMBER OF STOREYS	
SINGLE	
IS THE PROPERTY SUBJECT TO AN EASEMENT	

I, the undersigned, hereby make application for the Council's approval of the Plans and Specifications of a Building which I propose to erect and I hereby agree to comply with all the requirements of Local Government Act 1919, Ordinance No. 70.

*STATE WHETHER OWNER, BUILDER, ARCHITECT OR STRUCTURAL ENGINEER	*SIGNATURE OF APPLICANT	DATE
OWNER		

NOTE: BUILDING SERVICES CORPORATION INSURANCE, LONG SERVICE LEAVE LEVY, OR OWNER BUILDERS PERMIT (WHERE APPLICABLE) MUST BE SIGHTED BEFORE PLANS CAN BE RELEASED.

OFFICE USE ONLY			
B.S.C. Insurance	Serial No.	Level Fees	
N/A	7989-65757-7		
	Building Fee Amount	Level Book No.	
	\$70.00		
	Paid On	Road Opening Fee	
	18/3/92		
	Rec. No. 7514	Deposit No.	
		5330	
	Deposited \$680.		
	Rec. No. 7513		
Cashiers Stamp	Crossing Stamp		
CROSSING REQUIRED	O.B. Permit	B.S.C. Insurance Paid	LONG SERVICE LEVY PAID
Yes No Paid	Yes No N/A	Yes No N/A	Yes No N/A
☐ ☐ ☐	☐ ☐ ☐	☐ ☐ ☐	☐ ☐ ☐
Rec. No.			

Plans and Specifications Approved/Disapproved	Date	Signature
	8/5/92	
Stamped	Posted	Held for Collection
	8/5/92	

HEALTH AND BUILDING DEPARTMENT
(FOR OFFICE USE ONLY)

THE APPLICATION MAY BE APPROVED

☒ UNDER DELEGATED AUTHORITY

☐ REFER TO COUNCIL FOR DETERMINATION

Referred to City Engineer YES/NO — FOR —

- ☐ AN EASEMENT
- ☐ CORNER ROUNDING
- ☐ FOOTPATH PAVING
- ☐ ALIGNMENT LEVELS
- ☐ FLOODING
- ☐ ROOF AND SURFACE WATER DISPOSAL
- ☐ GUTTER CROSSING

Refer to Town Planning

YES/NO

SIGNED

DATE

19/3/92

CHIEF TOWN PLANNERS REPORT

This B/A conforms with developments

consent, reference LG2/6186/1163/1501

No T. P. objections to release of B/A

Signed

Date

24-4-92

4/4/92

Chief Town Planner

Date

Contributions Paid Receipt No. \$

(Give Details) Date

HEALTH AND BUILDING DEPARTMENT
(FOR OFFICE USE ONLY)

BUILDING INFORMATION SHEET

CLASS OF BUILDING	FIRE ZONE Outside Secondary Primary			RISE IN STOREYS	
IS PROPERTY SUBJECT TO (1) Flooding Yes No		(2) Overland Flow of Water Yes No		(3) Slip Yes No	
(4) Heritage/Historical Order Yes No		(5) Road Widening Yes No		(6) Fill Yes No	
STORMWATER DISPOSAL TO Gutter Easement Rubble Drain			IS STORMWATER DISPOSAL SATISFACTORY Yes No		
IS SITE PLAN CORRECT/ACCURATE Yes No			IS MOTOR VEHICLE ACCOMMODATION SATISFACTORY Yes No		
IS BUILDING LINE OBSERVED Yes No			ARE RETAINING WALLS REQUIRED Yes No		
ARE ALIGNMENT LEVELS SATISFACTORY Yes No			IS GUTTER CROSSING REQUIRED Yes No		
OTHER (e.g. Asbestos on site, trees affected etc.)			ARE THE FOLLOWING DAMAGED Footpath Yes No N/A Kerb and Gutter Yes No N/A Roadway Yes No N/A		
AFFECTED AND ADJOINING PROPERTIES				SIGNED DATE	

INSPECTIONS	DATE	RESULT	INITIALS
Footings			
Dampcourse			
Framework			
Drainage			
Final	31/7/92	APT	
Ground Floor Slab			
First Floor			
2nd Floor Slab			
3rd Floor Slab			

REMARKS

(ONE FORM ONLY REQUIRED)

INSTRUCTIONS TO BUILDERS

- (1) All applications for approval to proposed buildings must be accompanied by properly prepared plans and specifications in **duplicate**. One copy of the plan and specifications will be retained by the Council. Attention is drawn to Local Government Act, 1919, Section 312.
- (2) The building fee is calculated at 0.5 per cent of the cost when the estimated cost does not exceed \$5,000; 0.5 per cent of the first \$5,000 plus 0.3 per cent of the amount in excess of \$5,000 but not exceeding \$100,000; plus 0.2 per cent of the amount in excess of \$100,000 but not exceeding \$250,000; and 0.1 per cent of the amount in excess of \$250,000. The minimum fee is \$5.00.
- (3) Building line for dwelling houses is to conform to those of existing buildings in the street (no exception will be taken to setting back at any greater distance if so desired by the owner), with a minimum of 4.570 m in Parramatta Ward and Granville Ward and 7.620 m in Dundas Ward and Toongabbie Ward.
- (4) Before commencing the erection of any fence on the street alignment, proper levels, for which a charge is made, must be obtained from the Council's Engineer. No responsibility will be accepted by Council for any levels adopted without approval.
- (5) No openings are to be made in the roads or footways without obtaining the Council's permission in writing to do so.
- (6) Temporary toilet accommodation for workmen must be provided and connected to the sewer where available before work is commenced. Builder's sanitary service will not be provided where sewer is available. Chemical Toilets may be provided to Council's satisfaction.
- (7) All floor timbers must be at least 200 mm clear above ground level at the lowest point, and the space between the ground and the floor level shall be thoroughly ventilated and cross ventilated by air-bricks or other means, to comply with Clause 50.10 of Ordinance 70.
- (8) Side walls of dwellings and attachments thereto of one and two storey must be a minimum of 900 mm from the side line of the adjoining allotment, where the overhang, including the gutter does not exceed 675 mm distance to be increased according to any increase to that overhang.
- (9) All roof water must be carried by pipes to the street water tables where possible. All rain water drainage from class II to class IX buildings must be carried out in accordance with Council's Drainage Code for the Disposal of Roof and Surface Water, plans of which are to be submitted with the Building Application.
- (10) A building must be completed in accordance with approved plans before being occupied, written notification of completion to be given by the owner. No occupation of class II to class IX buildings to be made until a certificate of classification is issued by the Council.
- (11) Mechanical Ventilation: Plans and specifications of any mechanical ventilation, air conditioning and exhaust systems must be submitted to and approved by Council before installation.
- (12) Food Premises: All premises proposed to be used for the manufacture, storage, sale and preparation of food are to be constructed in accordance with Council's Codes, and approved plans and specifications.
- (13) When submitting plans for a garage or a carport or a building incorporating a garage or a carport, enquires should be made to ascertain Council's requirement regarding provision of vehicular crossings.
- (14) Building over drainage easements is *not* permitted.



Ordinance 70 Report No. _____

Checked By _____

THE PARRAMATTA CITY COUNCIL

HEALTH AND BUILDING DEPARTMENT

ORDINANCE 70 REQUIREMENTS RELATIVE TO DEVELOPMENT APPLICATION NO. L92/6186/163/150

ADDRESS OF PREMISES:

2 Darcy Rd Westworthville

APPLICANT'S NAME & ADDRESS:

Trustees of the Diocese of Parramatta Victoria Rd Parramatta (Brother Peter Carr)

EXISTING USE OF BUILDING:

School

CLASS OF BUILDING - Existing: _____ **Proposed:** IX

FIRE ZONE: outside **RISE IN STOREYS** one

TYPE OF CONSTRUCTION: m-type C (BCA)

RECOMMENDATION:

1. No objection is raised to the proposed portable classroom buildings.
2. Plans and specifications shall be submitted for approval prior to the commencement of any building works. Such application and plans are to comply with the requirements of Local Government Act, 1919, as amended, and Ordinance 70, as amended.

25/3/92

(Date)



BUILDING APPLICATION CHECK LIST

(TO BE COMPLETED AT THE TIME OF LODGEMENT OF BUILDING APPLICATION)

by Health and Building Department Staff and signed below

ADDRESS: DARCY RD. WestMEAD

1. Are the plans satisfactory? - to scale, dimensioned, accurate, sufficiently detailed YES/NO ☒
2. Is the location sketch adequate? - nearest cross streets - north point YES/NO ☒
3. Has all of the information been completed on the B/A form? - particularly property details, applicant's name and address, is applicant owner, builder, structural engineer or architect YES/NO ☒
4. Is the property affected by an easement or Council stormwater line? YES/NO ☒
If YES refer to City Engineer's Department PRIOR to acceptance of plans
5. Is the property flood prone? YES/NO ☒
If YES refer to City Engineer's Department PRIOR to acceptance of plans
6. Is the property in grey or grey hatched area on Plan No. 12889 YES/NO ☒
If YES refer to City Engineer's Department PRIOR to acceptance of plans
7. Have stormwater details been submitted including calculations? (for commercial and industrial developments and townhouses flats etc.) YES/NO/NA ☒
If NO refuse lodgement of B/A and refer to City Engineer if advice is required.
8. For medium density, commercial and industrial developments has on site detention of stormwater been provided? YES/NO/NA ☒
If NO or UNCERTAIN refer to City Engineer's Department.

- (a) The abovementioned item numbers _____ are referred to the City Engineer's Department for advice to the applicant.

(Signature) _____ (H & B Dept) Date 18/3/92

- (b) The applicant has been advised by the City Engineer's Department in relation to items _____.

- *(i) The application may now be submitted, or
(ii) The applicant requires the following information prior to lodgement of the application [delete (i) or (ii)].

(Signature) _____ (CE Dept) Date _____

- (c) The application has sufficient information to be lodged

(Signature) _____ (H & B Dept) Date 18/3/92

BUILDING APPLICATION CHECK LIST

(TO BE COMPLETED AT THE TIME OF LODGEMENT OF BUILDING APPLICATION)

by Health and Building Department Staff and signed below

ADDRESS: DARCY RD. WESTMEAD

1. Are the plans satisfactory? - to scale, dimensioned, accurate, sufficiently detailed YES/NO ☒
2. Is the location sketch adequate? - nearest cross streets - north point YES/NO ☒
3. Has all of the information been completed on the B/A form? - particularly property details, applicant's name and address, is applicant owner, builder, structural engineer or architect YES/NO ☒
4. Is the property affected by an easement or Council stormwater line? YES/NO ☒
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5. Is the property flood prone? YES/NO ☒
If YES refer to City Engineer's Department PRIOR to acceptance of plans
6. Is the property in grey or grey hatched area on Plan No. 12889 YES/NO ☒
If YES refer to City Engineer's Department PRIOR to acceptance of plans
7. Have stormwater details been submitted including calculations? (for commercial and industrial developments and townhouses flats etc.) YES/NO/NA ☒
If NO refuse lodgement of B/A and refer to City Engineer if advice is required.
8. For medium density, commercial and industrial developments has on site detention of stormwater been provided? YES/NO/NA ☒
If NO or UNCERTAIN refer to City Engineer's Department.

- (a) The abovementioned item numbers _____ are referred to the City Engineer's Department for advice to the applicant.

(Signature)  (H & B Dept) Date 18/3/92

- (b) The applicant has been advised by the City Engineer's Department in relation to items _____.

- *(i) The application may now be submitted, or
(ii) The applicant requires the following information prior to lodgement of the application [delete (i) or (ii)].

(Signature) _____ (CE Dept) Date _____

- (c) The application has sufficient information to be lodged

(Signature)  (H & B Dept) Date 18/3/92

REGISTRATION DETAILS
LETTER No. L 189/92
FILE No

24 APR 1992 REFERRED TO HEALTH & BUILDING DEPARTMENT

R/S CTP 17.4.92
R/S CTP 30.4.92

THE PARRAMATTA CITY COUNCIL
DEVELOPMENT CONTROL UNIT.

MEETING NO: 12

DATE: 24.3.92

ATTENTION: CHIEF TOWN PLANNER OR ~~CITY ENGINEER.~~

SUBJECT: 2 Darcy Rd, Westmead

B/A NO: T89/92 ORG

ACTION REQUIRED:

DATE REQUIRED:

ESTIMATED DATE OF COMPLETION:

CTP/RO

DA L92/6186 processing.

Please resubmit as above.

L Grant

(M. CARTER)

27 MAR 1992 REFERRED TO RECORDS SECTION

City Health & Building

Surveyor.

15 APR 1992

REFERRED TO TPD.

LG 16.4.92

CTP/RO

Please resubmit as above.

L Grant

24 APR 1992

CTP/Plat

REFERRED TO RECORDS SECTION

No T.P. objections *L Grant*

24/4/92

L92/6186
MR CALADINE:CR
689 9333 Ext 424

Brother P Corr
Trustees Of The Diocese Of Parramatta
Victoria Road
PARRAMATTA NSW 2150

April 23 1992

Dear Sir,

Re:

Development Application
2 Darcy Street Parramatta

Reference is made to your development application submitted on seeking Council approval to use the above premises as a free standing demountable classroom.

You are advised that the application is approved subject to the attached conditions.

You are further advised of the right of appeal to the Land and Environment Court against all or any of the above conditions of approval.

Yours faithfully,

(R B SWORDS)
General Manager

22/4/92

Encl.

1 fsc noted Rmk 22/4/92
2 LG noted RL 22/4/92
3 MS

CONDITIONS OF DEVELOPMENT CONSENT FOR
2 DARCY STREET PARRAMATTA

REFERENCE: L92/6186

- (1) Plans and specifications (four (4) copies) shall be submitted for approval prior to the commencement of any building works. Such application and plans are to comply with the requirements of the Local Government Act, 1919, as amended, Ordinance 70, as amended.
- (2) Compliance with all the requirements of the City Health and Building Surveyor.
- (3) All employees' vehicles are to be parked on the site at all times.
- (4) The use is to be conducted at all times without interference to the amenity of the area.
- (5) The beautification is to be maintained to Council's satisfaction.
- (6) Provision of footpath and gutter crossings (if required) to the design and construction standards of the City Engineer, including removal and restoration of disused concrete laybacks, this work to be completed prior to the occupation of the building. All costs to be borne by the applicant.
- (7) The building is not to be occupied until it has been completed to the terms of Council's approval.
- (8) During construction work, no building materials are to be stored on the Council's footpath.
- (9) Compliance with all the requirements of:-
 - * Prospect Electricity;
 - * Australia Post;
 - * Telecom; and
 - * Water Board.
- (10) The consent shall lapse if the development to which it refers is not substantially commenced:-
 - (A) Except as provided in Paragraph (B) below, within the period of two (2) years after it was given; or
 - (B) In the event of an Environmental Planning Instrument being prescribed which prohibits such development, one (1) year from the date of prescription of such Environmental Planning Instrument.

A.C

Town Planner

J (W D HYNES) 22/1/12
Chief Town Planner

CONDITIONS OF DEVELOPMENT CONSENT FOR
2 DARCY STREET PARRAMATTA

REFERENCE: L92/6186

- (11) It should be clearly understood that this consent in no way relieves the owner or applicant from the obligation to obtain any other approval which may be required under the Local Government Act, 1919, as amended, or any other Act, ordinance, regulation or by-law. In particular, this consent is not an approval to carry out any works whatsoever, such requiring the prior submission to the Council of a formal building application and compliance with all the requirements of Council's City Health and Building Surveyor.
- (12) Written acceptance of the above conditions by both the owner and the applicant.

A-C

Town Planner

(W D HYNES)
Chief Town Planner

W.D.H.



THE COUNCIL OF THE CITY OF PARRAMATTA

No. 7329/92

BUILDING APPLICATION

LOCAL GOVERNMENT ACT, 1919 (ORDINANCE 70)

THIS PAGE MUST BE COMPLETED BY THE APPLICANT — PLEASE ANSWER ALL QUESTIONS

LOCATION OF PROPOSED BUILDING

HOUSE NO., UNIT NO., OR NAME 2	STREET DARCY ROAD	TOWN OR SUBURB WESTMEAD	POSTCODE 2145
LOT OR PORTION NO. 1	SECTION D.P. STRATA PLAN OR ESTATE 228 370	NEAREST CROSS STREET HAWKESBURY ROAD	
FRONTAGE (M)	DEPTH (M)	PARISH	

OWNER

MR, MRS, MISS, MS. FCE	FAMILY NAME	GIVEN NAMES
ADDRESS 2 DARCY ROAD, WESTMEAD	POSTCODE 2145	PHONE

BUILDER

NAME TO BE ADVISED	LICENCE No.	OWNER BUILDER PERMIT No.
ADDRESS	POSTCODE	PHONE

APPLICANT: NOTE: MUST BE EITHER THE OWNER, BUILDER, ARCHITECT, OR STRUCTURAL ENGINEER

NAME THE TRUSTEES OF THE ROMAN CATHOLIC DIOCESE OF PARRAMATTA FOR PARRAMATTA MARIST & ADDRESS CATHERINE McAULEY HIGH SCHOOLS 2 DARCY ROAD, WESTMEAD	PHONE 758 0464 CONTACT ALEX CUTTS	POSTCODE 2145
--	--	------------------

PARTICULARS OF PROPOSED BUILDING

STATE WHETHER NEW OR ALTERATION OR ADDITION NEW	TOTAL NEW OR ADDITIONAL FLOOR AREA(M ²)
TYPE OF BUILDING (e.g. House, Home Units, Town Houses, Flats, Factory, Shop, Offices, etc.) INDOOR SPORTING COMPLEX & ASSEMBLY HALL	NUMBER OF SETS OF PLANS AND SPECIFICATIONS LODGED 3
NUMBER OF NEW OR ADDITIONAL SELF-CONTAINED DWELLING UNITS N.A.	MATERIAL OF FLOOR(S) CONCRETE / TIMBER
CONTRACT PRICE OR COUNCIL'S VALUATION OF WORK \$2,100,000.00	MATERIAL ROOF OF (e.g. Concrete or Terra Cotta Tiles, Steel etc.)
STATE WHETHER MATERIALS USED ARE NEW OR SECOND HAND NEW	SITE PLAN — Indicate north point
MATERIAL OF OUTER WALLS (e.g. Brick Veneer, Cavity Brick, Timber) MASONRY	
NUMBER OF STOREYS SINGLE - 8 HIGHER FLOORS	
IS THE PROPERTY SUBJECT TO AN EASEMENT NO	

I, the undersigned, hereby make application for the Council's approval of the Plans and Specifications of a Building which I propose to erect and I hereby agree to comply with all the requirements of Local Government Act 1919, Ordinance No. 70.

*STATE WHETHER OWNER BUILDER, ARCHITECT OR STRUCTURAL ENGINEER	*SIGNATURE OF APPLICANT	DATE
		8.8.92

NOTE: BUILDING SERVICES CORPORATION INSURANCE, LONG SERVICE LEAVE LEVY, OR OWNER BUILDERS PERMIT (WHERE APPLICABLE) MUST BE SIGHTED BEFORE PLANS CAN BE RELEASED.

OFFICE USE ONLY		OFFICE USE ONLY	
B.S.C. Insurance	Serial No.	Level Fees	
	Building Fee Amount	Level Book No.	
	Paid On Rec. No.	Road Opening Fee	
	Deposit Rec. No.	Deposit No.	
	Crossing Stamp		
Cashiers Stamp			
CROSSING REQUIRED	O.B. Permit	B.S.C. Insurance Paid	LONG SERVICE LEVY PAID
Yes No Paid	Yes No N/A	Yes No N/A	Yes No N/A
☐ ☐ Rec. No.	☐ ☐ ☐	☐ ☐ ☐	☐ ☐ ☐

Plans and Specifications Approved/Disapproved Date: 2/10/92	Signature: [Signature]
Stamped:	Posted:
	Held for Collection: 2/10/92

HEALTH AND BUILDING DEPARTMENT
(FOR OFFICE USE ONLY)

THE APPLICATION MAY BE APPROVED

☐ UNDER DELEGATED AUTHORITY

☐ REFER TO COUNCIL FOR DETERMINATION

Referred to City Engineer YES/NO — FOR —

- ☐ AN EASEMENT
- ☐ CORNER ROUNDING
- ☐ FOOTPATH PAVING
- ☐ ALIGNMENT LEVELS
- ☐ FLOODING
- ☐ ROOF AND SURFACE WATER DISPOSAL
- ☐ GUTTER CROSSING

Refer to Town Planning

YES/NO

SIGNED

DATE

CHIEF TOWN PLANNERS REPORT

Chief Town Planner _____

Date _____

Contributions Paid Receipt No. \$.....

(Give Details) Date

HEALTH AND BUILDING DEPARTMENT
(FOR OFFICE USE ONLY)

BUILDING INFORMATION SHEET

CLASS OF BUILDING	FIRE ZONE Outside Secondary Primary			RISE IN STOREYS	
IS PROPERTY SUBJECT TO					
(1) Flooding Yes No		(2) Overland Flow of Water Yes No		(3) Slip Yes No	
(4) Heritage/Historical Order Yes No		(5) Road Widening Yes No		(6) Fill Yes No	
STORMWATER DISPOSAL TO Gutter Easement Rubble Drain			IS STORMWATER DISPOSAL SATISFACTORY Yes No		
IS SITE PLAN CORRECT/ACCURATE Yes No			IS MOTOR VEHICLE ACCOMMODATION SATISFACTORY Yes No		
IS BUILDING LINE OBSERVED Yes No			ARE RETAINING WALLS REQUIRED Yes No		
ARE ALIGNMENT LEVELS SATISFACTORY Yes No			IS GUTTER CROSSING REQUIRED Yes No		
OTHER (e.g. Asbestos on site, trees affected etc.)			ARE THE FOLLOWING DAMAGED		
			Footpath Yes No N/A		
			Kerb and Gutter Yes No N/A		
			Roadway Yes No N/A		
AFFECTED AND ADJOINING PROPERTIES					SIGNED DATE

DEFECTS	DATE	RESULT	INITIALS
Plumbing			
Dampcourse			
Framework			
Drainage			
Final			
Ground Floor Slab			
First Floor			
2nd Floor Slab			
3rd Floor Slab			

REMARKS

(ONE FORM ONLY REQUIRED)

INSTRUCTIONS TO BUILDERS

- (1) All applications for approval to proposed buildings must be accompanied by properly prepared plans and specifications in **duplicate**. One copy of the plan and specifications will be retained by the Council. Attention is drawn to Local Government Act, 1919, Section 312.
- (2) The building fee is calculated at 0.5 per cent of the cost when the estimated cost does not exceed \$5,000; 0.5 per cent of the first \$5,000 plus 0.3 per cent of the amount in excess of \$5,000 but not exceeding \$100,000; plus 0.2 per cent of the amount in excess of \$100,000 but not exceeding \$250,000; and 0.1 per cent of the amount in excess of \$250,000. The minimum fee is \$5.00.
- (3) Building line for dwelling houses is to conform to those of existing buildings in the street (no exception will be taken to setting back at any greater distance if so desired by the owner), with a minimum of 4.570 m in Parramatta Ward and Granville Ward and 7.620 m in Dundas Ward and Toongabbie Ward.
- (4) Before commencing the erection of any fence on the street alignment, proper levels, for which a charge is made, must be obtained from the Council's Engineer. No responsibility will be accepted by Council for any levels adopted without approval.
- (5) No openings are to be made in the roads or footways without obtaining the Council's permission in writing to do so.
- (6) Temporary toilet accommodation for workmen must be provided and connected to the sewer where available before work is commenced. Builder's sanitary service will not be provided where sewer is available. Chemical Toilets may be provided to Council's satisfaction.
- (7) All floor timbers must be at least 200 mm clear above ground level at the lowest point, and the space between the ground and the floor level shall be thoroughly ventilated and cross ventilated by air-bricks or other means, to comply with Clause 50.10 of Ordinance 70.
- (8) Side walls of dwellings and attachments thereto of one and two storey must be a minimum of 900 mm from the side line of the adjoining allotment, where the overhang, including the gutter does not exceed 675 mm distance to be increased according to any increase to that overhang.
- (9) All roof water must be carried by pipes to the street water tables where possible. All rain water drainage from class II to class IX buildings must be carried out in accordance with Council's Drainage Code for the Disposal of Roof and Surface Water, plans of which are to be submitted with the Building Application.
- (10) A building must be completed in accordance with approved plans before being occupied, written notification of completion to be given by the owner. No occupation of class II to class IX buildings to be made until a certificate of classification is issued by the Council.
- (11) Mechanical Ventilation: Plans and specifications of any mechanical ventilation, air conditioning and exhaust systems must be submitted to and approved by Council before installation.
- (12) Food Premises: All premises proposed to be used for the manufacture, storage, sale and preparation of food are to be constructed in accordance with Council's Codes, and approved plans and specifications.
- (13) When submitting plans for a garage or a carport or a building incorporating a garage or a carport, enquires should be made to ascertain Council's requirement regarding provision of vehicular crossings.
- (14) Building over drainage easements is *not permitted*.

ALEXANDER COUTTS & ASSOCIATES

Project Managers and Development Managers
50 Cliff Avenue Northbridge 2063
Fax 958 0464 Tel 958 0464

1 December 1993

The Town Clerk,
Parramatta City Council
Civic Place,
PARRAMATTA, NSW 2150

Attention: Mr. Tony Gleeson,

Dear Sir,

Re: Multi-Purpose Facilities for Parramatta Marist & Catherine
McAuley High Schools at 2 Darcy St. Westmead

Please find enclosed:

A copy of the final certificate to the Builders McNamara Group Constructions Pty.Ltd. from
our structural engineer, Northrop consulting engineers.

**Form 6 Certificate of Compliance
Design & Installation of Essential Services
for the following:**

Mechanical	Mechanical Ventilation plus Airconditioning by Airpak Engineering Pty.Ltd.(Michael Egan)	
Electrical	Exit & Emergency Lights by	City Electrical Services Pty.Ltd. (Peter Stabile)
Hydraulic	Fire Hose Reels & Hydrant by	Maxwell O'Neil Pty.Ltd. (Craig DaLuz)

Should you require any further information please contact the undersigned.

Yours faithfully


ALEX COUTTS

copies to: Brother Michael Parramatta Marist
Colin Watton McNamara Group Constructions Pty.Ltd.
Parnell Pty Ltd A/CN 002 398 218 Trading as Alexander Coutts and Associates

(1.894)

O. 70--SCHEDULES

Sch. 5

Form 6

(C11.59.2. 59.3. 59.4)

CERTIFICATE OF COMPLIANCE

DESIGN AND INSTALLATION OF ESSENTIAL SERVICES

Local Government Act 1919

Ordinance No. 70

PARRAMATTA CITY COUNCIL
- 3 DEC 1993
L 9320521
FILE No. 71/76/360

Application reference:.....

*City/Municipality/Shire of PARRAMATTA COUNCIL

Date of Certificate: 8th october, 1993.....

Building No. or Name:

*District/Town/Village: PARRAMATTA

Owner's Name: MARIST. PROS.....

Owner's Address: 2 PARCY ROAD, WESTMEAD

Tenant: PARRAMATTA MARIST. HIGH. SCHOOL. & CATHERINE. McADLEY..
HIGH SCHOOL

Nature of essential service	Date of inspection or test	Name and address of person by whom service was inspected tested	Was the service found to have been designed and installed and to be capable of operating, to the relevant standard? (YES/NO)
MECHANICAL/ VENTILATION PLUS AIRCONDITIONING	6-10-93	MICHAEL EGAN	YES

I, MICHAEL EGAN of AIRPAK ENGINEERING PTY LIMITED, certify that the information contained in this certificate is, to the best of my knowledge and belief, true and accurate.

Signed: 

*(Owner/agent)

*Delete whichever is inapplicable.

CERTIFICATE OF COMPLIANCE
DESIGN AND INSTALLATION OF ESSENTIAL SERVICES
 Local Government Act, 1919, Ordinance No. 70 Part 59 (cl. 59.2, 59.3, 59.4)

Application Ref:.....

Building Name ..MARIST HIGH SCHOOL MULTI FUNCTION BUILDING.....

Address ..DARCY ROAD WESTMEAD.....

Postcode ..2145.....

Owners Name

Address

Postcode

Nature of Essential Service	Date of Inspection or Test	Name and Address of Person by whom Service was Inspected/Tested	Was the service found to have been designed and installed, and to be capable of operating, to the relevant standard YES / NO
EXIT & EMERG LTS	8.10.93	PETER STABILE, CITY ELEC	YES
		24 BOWDEN ST ALEXANDRIA	

I ..ROBERT GILHAM.....ofCITY ELECTRICAL.....

.....SERVICES PTY LTD.....Certify that the information

contained in this Certificate is to the best of my knowledge and belief, true and accurate.

Date of Certificate...12/10/93..... Signed

(Owner/Agent)

*Delete whichever is inapplicable



THE COUNCIL OF THE CITY OF PARRAMATTA

No. T 332/85

BUILDING APPLICATION

LOCAL GOVERNMENT ACT, 1919 (ORDINANCE 70)

OFFICE USE ONLY
APPLICATION NO.
CENSUS DISTRICT CODE (NEW DWELLINGS ONLY)
DATE APPROVED
CLASS OF BUILDING

1. RAYMOND JAMES HALL. (6312321)OF 27 HOOD ST TOONGABBIE.

the undersigned, hereby make application for the Council's approval of the Plans and Specifications of a Building which I propose to erect and complete within twelve months from date of approval, and I hereby agree to comply with all the requirements of Local Government Act 1919, Ordinance No. 70.

LOCATION OF PROPOSED BUILDING PARRAMATTA MURIST HIGH

HOUSE NO., UNIT NO. OR NAME <u>2</u>	STREET <u>HOOD ST</u>	TOWN OR SUBURB <u>TOONGABBIE</u>	POSTCODE
LOT OR PORTION NO. <u>1</u>	SECTION	DEPOSITED PLAN, STRATA PLAN OR ESTATE <u>DP 228390</u>	
FRONTAGE (M)	DEPTH (M)	PARISH	

OWNER

MR./MRS./M/MS.	FAMILY NAME <u>TRUSTEES OF ROMAN CATHOLIC CHURCH</u>	GIVEN NAMES
ADDRESS <u>P O BOX 138 DRUMMOYNE.</u>	POSTCODE	PHONE

BUILDER

NAME <u>R S & CA HALL</u>	LICENCE NO. <u>20600</u>
ADDRESS <u>27 HOOD ST TOONGABBIE</u>	POSTCODE PHONE

BUILDER LICENSING BOARD INSURANCE PAID
YES ☐ NO ☒ N/AOWNER BUILDER PERMIT NO.
N/A

PARTICULARS OF PROPOSED BUILDING

STATE WHETHER NEW OR ALTERATION OR ADDITION ☐ NEW ☒ ALTERATION ☐ ADDITION	CDC
TYPE OF BUILDING (e.g. House, Home Units, Town Houses, Flat, Factory, Shop, Offices, etc.) <u>SCHOOL. TECHNICALS STOREROOM.</u>	OWN
PURPOSE FOR WHICH BUILDING IS TO BE USED <u>STORAGE AND CLASSROOM.</u>	BSN
NUMBER OF NEW OR ADDITIONAL SELF-CONTAINED DWELLING UNITS <u>N/A</u>	WRK
CONTRACT PRICE OR COUNCIL'S VALUATION OF WORK <u>\$14,000.</u>	BLD
NUMBER OF SETS OF PLANS AND SPECIFICATIONS LODGED <u>4</u>	DWL
STATE WHETHER MATERIALS USED ARE NEW OR SECOND HAND <u>NEW.</u>	VOA
MATERIAL OF FLOOR(S) <u>CONCRETE.</u>	MAT
MATERIAL OF OUTER WALLS (e.g. Brick Veneer, Cavity Brick, Timber, Fibro etc.) <u>BRICK.</u>	ROF
MATERIAL OF ROOF (e.g. Concrete or Terra Cotta Tiles, Steel etc.) <u>TILE.</u>	MOF
*SIGNATURE OF APPLICANT 	FLA
DATE <u>15.7.85.</u>	
*STATE WHETHER OWNER, BUILDER, ARCHITECT OR STRUCTURAL ENGINEER 	

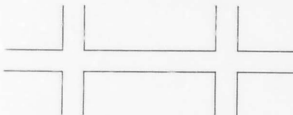
NOTE BUILDERS LICENSING BOARD HOUSEHOLDERS INSURANCE RECEIPT OR OWNER BUILDERS PERMIT MUST BE SIGHTED BEFORE APPROVED PLANS CAN BE RELEASED.

OFFICE USE ONLY	OFFICE USE ONLY <u>15.7.85.</u>
B.L.B Insurance <u>NIL.</u>	Serial No. <u>7989/65757-7</u>
Building Fee Amount <u>\$52.00</u>	Level Fees
Paid On <u>15.7.85</u> Rec. No. <u>00589</u>	Level Book No.
Deposit <u>NIL.</u>	Road Opening Fee
CROSSING REQUIRED	Deposit No.
Yes ☐ No ☐	Paid
Cashiers Stamp	Rec. No.

Crossing Stamp

FOR OFFICE USE ONLY

Locality Sketch if Required



To Council or Delegated Authority

THIS BUILDING APPLICATION MAY BE
APPROVED UNDER DELEGATED AUTHORITY

16/7/85
Date

Signature

Referred to City Engineer

Refer to Town Planning

REFER TO TOWN PLANNING DEPT

16/7/85
Date

Signature

CHIEF TOWN PLANNERS REPORT

Minor extensions to existing school.
No T.P. objections subject to no
change in land use without the
prior approval of Council.

Chief Town Planner

Date

23.7.85

Contributions Paid
(Give Details)

Receipt No.

Date

HEALTH AND BUILDING DEPARTMENT

BUILDING INFORMATION SHEET

DEVELOPMENT APPLICATION No.

CLASS OF BUILDING:

FIRE ZONE: Primary Secondary Outside Fire Zone

RISE IN STOREYS:

TYPE OF CONSTRUCTION:

INSPECTIONS	DATE	RESULT	INITIALS
Footings			
Dampcourse			
Framework			
Drainage			
Final			
Ground Floor Slab			
First Floor Slab			
2nd Floor Slab			
3rd Floor Slab			

REMARKS

Contacted by John White (BOFC) 265299 on 12/8/85 to advise that internal re-press through fire glass area is unacceptable.

(ONE FORM ONLY REQUIRED)

INSTRUCTIONS TO BUILDERS

- (1) All applications for approval to proposed buildings must be accompanied by properly prepared plans and specifications in duplicate. One copy of the plan and specifications will be retained by the Council. Attention is drawn to Local Government Act, 1919, Section 312.
- (2) The building fee is calculated at 0.5 per cent of the cost when the estimated cost does not exceed \$5,000; 0.5 per cent of the first \$5,000 plus 0.3 per cent of the amount in excess of \$5,000 but not exceeding \$100,000; plus 0.2 per cent of the amount in excess of \$100,000 but not exceeding \$250,000; and 0.1 per cent of the amount in excess of \$250,000. The minimum fee is \$5.00.
- (3) Building line for dwelling houses is to conform to those of existing buildings in the street (no exception will be taken to setting back at any greater distance if so desired by the owner), with a minimum of 4.570 m in Parramatta Ward and Granville Ward and 7.620 m in Dundas Ward and Toongabbie Ward.
- (4) Before commencing the erection of any fence on the street alignment, proper levels, for which a charge is made, must be obtained from the Council's Engineer. No responsibility will be accepted by Council for any levels adopted without approval.
- (5) No openings are to be made in the roads or footways without first obtaining the Council's permission in writing to do so.
- (6) Temporary toilet accommodation for workmen must be provided and connected to the sewer where available before work is commenced. Builder's sanitary service will not be provided where sewer is available. Chemical Toilets may be provided to Council's satisfaction.
- (7) All floor timbers must be at least 200 mm clear above ground level at the lowest point, and the space between the ground and the floor level shall be thoroughly ventilated and cross-ventilated by air-bricks or other means, to comply with Clause 50.10 of Ordinance 70.
- (8) Side walls of dwellings and attachments thereto of one and two storey must be a minimum of 900 mm from the side line of the adjoining allotment, where the overhang, including the gutter does not exceed 675 mm distance to be increased according to any increase to that overhang.
- (9) All roof water must be carried by pipes to the street water tables where possible. All rain water drainage from class II to class IX buildings must be carried out in accordance with Council's Drainage Code for the Disposal of Roof and Surface Water, plans of which are to be submitted with the Building Application.
- (10) A building must be completed in accordance with approved plans before being occupied, written notification of completion to be given by the owner. No occupation of class II to class IX buildings to be made until a certificate of classification is issued by the Council.
- (11) Mechanical Ventilation: Plans and specifications of any mechanical ventilation, air conditioning and exhaust systems must be submitted to and approved by Council before installation.
- (12) Food Premises: All premises proposed to be used for the manufacture, storage, sale and preparation of food are to be constructed in accordance with Council's Codes, and approved plans and specifications.
- (13) When submitting plans for a garage or a carport or a building incorporating a garage or a carport, enquiries should be made to ascertain Council's requirement regarding provision of vehicular crossings.
- (14) Building over drainage easements is not permitted.



THE COUNCIL OF THE CITY OF PARRAMATTA

No. T. 332/85.

BUILDING APPLICATION

LOCAL GOVERNMENT ACT, 1919 (ORDINANCE 70)

OFFICE USE ONLY

APPLICATION NO.

CENSUS DISTRICT CODE
(NEW DWELLINGS ONLY)

DATE APPROVED

CLASS OF BUILDING

I, Raymond James HallOF 27 Hood Street Kangaroo

the undersigned, hereby make application for the Council's approval of the Plans and Specifications of a Building which I propose to erect and complete within twelve months from date of approval, and I hereby agree to comply with all the requirements of Local Government Act 1919, Ordinance No. 70.

LOCATION OF PROPOSED BUILDING

HOUSE NO., UNIT NO. OR NAME	STREET	TOWN OR SUBURB	POSTCODE
2	Darcy Road	Westmead	
LOT OR PORTION NO.	SECTION	DEPOSITED PLAN, STRATA PLAN OR ESTATE	
		DP 228390	
FRONTAGE (M)	DEPTH (M)	PARISH	

OWNER

MR., MRS., MISS, MS.	FAMILY NAME	GIVEN NAMES
	Members of the Roman Catholic Church	
ADDRESS	P. O. Box 138, Drummoyne	POSTCODE
		PHONE

BUILDER

NAME	RJ + CA. Hall	LICENCE NO.
ADDRESS	27 Hood Street Kangaroo	20000
		POSTCODE
		PHONE

BUILDER LICENSING BOARD INSURANCE PAID

YES ☐ NO ☒ 4A

OWNER BUILDER PERMIT NO.

PARTICULARS OF PROPOSED BUILDING

STATE WHETHER NEW OR ALTERATION OR ADDITION	☐ NEW	☒ ALTERATION	☐ ADDITION
TYPE OF BUILDING (e.g. House, Home Units, Town Houses, Flat, Factory, Shop, Offices, etc.)	School Teachers House		
PURPOSE FOR WHICH BUILDING IS TO BE USED	Storage & classroom		
NUMBER OF NEW OR ADDITIONAL SELF-CONTAINED DWELLING UNITS	N/A	TOTAL NEW OR ADDITIONAL FLOOR AREA (M ²)	approx 50 m ²
CONTRACT PRICE OR COUNCIL'S VALUATION OF WORK	14,000	NUMBER OF SETS OF PLANS AND SPECIFICATIONS LODGED	4
STATE WHETHER MATERIALS USED ARE NEW OR SECOND HAND	New	MATERIAL OF FLOOR(S)	CONCRETE
MATERIAL OF OUTER WALLS (e.g. Brick Veneer, Cavity Brick, Timber, Fibro etc.)	Brick	MATERIAL OF ROOF (e.g. Concrete or Terra Cotta Tiles, Steel etc.)	TILE

*SIGNATURE OF APPLICANT

DATE

*STATE WHETHER OWNER, BUILDER, ARCHITECT OR STRUCTURAL ENGINEER

Builder

FOR STATISTICAL USE

CDC
OWN
BSN
WRK
BLD
DWL
VOA
MAT
ROF
MOF
FLA

NOTE BUILDERS LICENSING BOARD HOUSEHOLDERS INSURANCE RECEIPT OR OWNER BUILDERS PERMIT MUST BE SIGHTED BEFORE APPROVED PLANS CAN BE RELEASED.

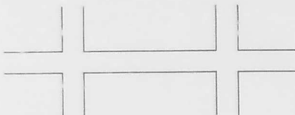
OFFICE USE ONLY

OFFICE USE ONLY

B.L.B. Insurance	Serial No. <u>N/A</u>	Level Fees
<u>41L</u>	Building Fee Amount <u>\$5.00</u>	Level Book No.
	Paid On <u>10.9.85</u> Rec. No. <u>10395</u>	Road Opening Fee
	Deposit <u>41L</u> Rec. No.	Deposit No.
Cashiers Stamp	CROSSING REQUIRED Yes ☐ No ☐	Paid
		Rec. No.

FOR OFFICE USE ONLY

Locality Sketch if Required



To Council or Delegated Authority

"THIS BUILDING APPLICATION MAY BE
APPROVED UNDER DELEGATED AUTHORITY".

11/9/85
Date

Signature

Referred to City Engineer

Refer to Town Planning

REFER TO TOWN PLANNING DEPT.

*unless substantially
in accordance with
original app.*

11/9/85
Date

Signature

CHIEF TOWN PLANNERS REPORT

Chief Town Planner _____

Date _____

Contributions Paid
(Give Details)

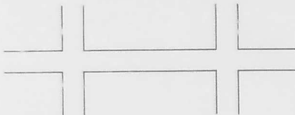
Receipt No. _____

Date _____

\$

FOR OFFICE USE ONLY

Locality Sketch if Required



To Council or Delegated Authority

"THIS BUILDING APPLICATION MAY BE
APPROVED UNDER DELEGATED AUTHORITY".

11/9/85
Date

Signature

Referred to City Engineer

Refer to Town Planning

REFER TO TOWN PLANNING DEPT.

*unless submitted
in accordance with
separate app.*

11/9/85
Date

Signature

CHIEF TOWN PLANNERS REPORT

Chief Town Planner _____

Date _____

Contributions Paid
(Give Details)

Receipt No. _____

Date _____

\$

(ONE FORM ONLY REQUIRED)

INSTRUCTIONS TO BUILDERS

- (1) All applications for approval to proposed buildings must be accompanied by properly prepared plans and specifications in duplicate. One copy of the plan and specifications will be retained by the Council. Attention is drawn to Local Government Act, 1919, Section 312.
- (2) The building fee is calculated at 0.5 per cent of the cost when the estimated cost does not exceed \$5,000; 0.5 per cent of the first \$5,000 plus 0.3 per cent of the amount in excess of \$5,000 but not exceeding \$100,000; plus 0.2 per cent of the amount in excess of \$100,000 but not exceeding \$250,000; and 0.1 per cent of the amount in excess of \$250,000. The minimum fee is \$5.00.
- (3) Building line for dwelling houses is to conform to those of existing buildings in the street (no exception will be taken to setting back at any greater distance if so desired by the owner), with a minimum of 4.570 m in Parramatta Ward and Granville Ward and 7.620 m in Dundas Ward and Toongabbie Ward.
- (4) Before commencing the erection of any fence on the street alignment, proper levels, for which a charge is made, must be obtained from the Council's Engineer. No responsibility will be accepted by Council for any levels adopted without approval.
- (5) No openings are to be made in the roads or footways without first obtaining the Council's permission in writing to do so.
- (6) Temporary toilet accommodation for workmen must be provided and connected to the sewer where available before work is commenced. Builder's sanitary service will not be provided where sewer is available. Chemical Toilets may be provided to Council's satisfaction.
- (7) All floor timbers must be at least 200 mm clear above ground level at the lowest point, and the space between the ground and the floor level shall be thoroughly ventilated and cross-ventilated by air-bricks or other means, to comply with Clause 50.10 of Ordinance 70.
- (8) Side walls of dwellings and attachments thereto of one and two storey must be a minimum of 900 mm from the side line of the adjoining allotment, where the overhang, including the gutter does not exceed 675 mm distance to be increased according to any increase to that overhang.
- (9) All roof water must be carried by pipes to the street water tables where possible. All rain water drainage from class II to class IX buildings must be carried out in accordance with Council's Drainage Code for the Disposal of Roof and Surface Water, plans of which are to be submitted with the Building Application.
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- (12) Food Premises: All premises proposed to be used for the manufacture, storage, sale and preparation of food are to be constructed in accordance with Council's Codes, and approved plans and specifications.
- (13) When submitting plans for a garage or a carport or a building incorporating a garage or a carport, enquiries should be made to ascertain Council's requirement regarding provision of vehicular crossings.
- (14) Building over drainage easements is *not* permitted.



THE COUNCIL OF THE CITY OF PARRAMATTA

No. T 677/93

BUILDING APPLICATION

LOCAL GOVERNMENT ACT, 1919 (ORDINANCE 70)

APPROVED

THIS PAGE MUST BE COMPLETED BY THE APPLICANT — PLEASE ANSWER ALL QUESTIONS

LOCATION OF PROPOSED BUILDING

HOUSE NO., UNIT NO., OR NAME	STREET	TOWN OR SUBURB	POSTCODE
2	DARCY ROAD	WESTMEAD	2145
LOT OR PORTION NO.	SECTION	D.P. STRATA PLAN OR ESTATE	NEAREST CROSS STREET
1		228 300	HAWKESBURY ROAD
FRONTAGE (M)	DEPTH (M)	PARISH	

OWNER

MR, MRS, MISS, MS	FAMILY NAME	GIVEN NAMES
FOR	PARRAMATTA MARIST	HIGH SCHOOL
ADDRESS	POSTCODE	PHONE
2 DARCY ROAD WESTMEAD	2145	9635 7066

BUILDER

NAME	LICENCE No.	OWNER BUILDER PERMIT No.
TO BE ADVISED	Angela Day Secretary	Principal - Mr. McDonald
ADDRESS	POSTCODE	PHONE

APPLICANT: NOTE: MUST BE EITHER THE OWNER, BUILDER, ARCHITECT, OR STRUCTURAL ENGINEER

NAME	PHONE
THE TRUSTEES OF THE KAHAN CATHOLIC DIOCESE OF PARRAMATTA FOR PARRAMATTA MARIST HIGH SCHOOL	958 0464
ADDRESS	CONTACT
2 DARCY ROAD, WESTMEAD	AUX COURTS
	POSTCODE
	2145

PARTICULARS OF PROPOSED BUILDING

STATE WHETHER NEW OR ALTERATION OR ADDITION	TOTAL NEW OR ADDITIONAL FLOOR AREA(M ²)
NEW	150M ² PLUS 60M ² UNDERCOVER
TYPE OF BUILDING (e.g. House, Home Units, Town Houses, Flats, Factory, Shop, Offices, etc.)	NUMBER OF SETS OF PLANS AND SPECIFICATIONS LODGED
SCHOOL CANTEREN	2
NUMBER OF NEW OR ADDITIONAL SELF-CONTAINED DWELLING UNITS	MATERIAL OF FLOOR(S)
H.A.	CONCRETE
CONTRACT PRICE OR COUNCIL'S VALUATION OF WORK	MATERIAL ROOF OF (e.g. Concrete or Terra Cotta Tiles, Steel etc.)
\$ 100,000	CONCRETE TILES & PLEXI GLASS
STATE WHETHER MATERIALS USED ARE NEW OR SECOND HAND	SITE PLAN — Indicate north point
NEW	
MATERIAL OF OUTER WALLS (e.g. Brick Veneer, Cavity Brick, Timber)	
MASONRY	
NUMBER OF STOREYS	
SINGLE	
IS THE PROPERTY SUBJECT TO AN EASEMENT	
NO	REFER TO LOCATION PLAN

I, the undersigned, hereby make application for the Council's approval of the Plans and Specifications of a Building which I propose to erect and I hereby agree to comply with all the requirements of Local Government Act 1919, Ordinance No. 70.

*STATE WHETHER OWNER BUILDER, ARCHITECT OR STRUCTURAL ENGINEER	SIGNATURE OF APPLICANT	DATE
	(PRINCIPAL)	28.6.93

NOTE: BUILDING SERVICES CORPORATION INSURANCE, LONG SERVICE LEAVE LEVY, OR OWNER BUILDERS PERMIT (WHERE APPLICABLE) MUST BE SIGHTED BEFORE PLANS CAN BE RELEASED.

OFFICE USE ONLY	OFFICE USE ONLY
B.S.C. Insurance	Serial No. 7989-65757-7
\$200.00	Level Fees
	Building Fee Amount \$310.00
	Level Book No.
	Paid On 28-5-93 Rec. No. 86727
	Road Opening Fee
	Deposit SEE PREVIOUS B/A'S \$180.00 PAID \$20.00 STILL OWING
	Deposit No.
	Crossing Stamp ADMIN FEE \$55.00 PAID
Cashiers Stamp	
CROSSING REQUIRED	O.B. Permit
Yes No Paid	Yes No N/A
☐ ☐ Rec. No.	☐ ☐ ☐
	B.S.C. Insurance Paid
	Yes No N/A
	☐ ☐ ☐
	LONG SERVICE LEVY PAID
	Yes No N/A
	☐ ☐ ☐
Plans and Specifications Approved/Disapproved	Date: 25/6/93
Stamp: Held for Collection: 25/6/93	Signature

HEALTH AND BUILDING DEPARTMENT
(FOR OFFICE USE ONLY)

THE APPLICATION MAY BE APPROVED

☒ UNDER DELEGATED AUTHORITY

NOTE COUNCIL POLICY REGARDING NOTIFICATION OF
ALL ADJACENT AND AFFECTED OWNERS

☐ REFER TO COUNCIL FOR DETERMINATION

Referred to City Engineer YES/NO — FOR —

- ☐ AN EASEMENT
- ☐ CORNER ROUNDING
- ☐ FOOTPATH PAVING
- ☐ ALIGNMENT LEVELS
- ☐ FLOODING
- ☒ ROOF AND SURFACE WATER DISPOSAL
- ☐ GUTTER CROSSING

Refer to Town Planning

YES/NO

SIGNED

DATE

2.6.93

CHIEF TOWN PLANNERS REPORT

The proposed canteen is replacing an existing canteen of approximately the same size. Therefore, it is considered that the provisions of Clause 3 SEPPN: 4 would apply in this instance. There are no T.P. objections to the release of the B.L. Approval subject to the following condition:-

1. the finished surface materials to be used in construction are to match those of the existing building on the site.

Chief Town Planner

Date 22/6/93

Contributions Paid Receipt No. \$

(Give Details) Date

HEALTH AND BUILDING DEPARTMENT
(FOR OFFICE USE ONLY)

BUILDING INFORMATION SHEET

CLASS OF BUILDING	FIRE ZONE Outside Secondary Primary		RISE IN STOREYS	
IS PROPERTY SUBJECT TO (1) Flooding Yes No		(2) Overland Flow of Water Yes No		(3) Slip Yes No
(4) Heritage/Historical Order Yes No		(5) Road Widening Yes No		(6) Fill Yes No
STORMWATER DISPOSAL TO Gutter Easement Rubble Drain			IS STORMWATER DISPOSAL SATISFACTORY Yes No	
IS SITE PLAN CORRECT/ACCURATE Yes No			IS MOTOR VEHICLE ACCOMMODATION SATISFACTORY Yes No	
IS BUILDING LINE OBSERVED Yes No			ARE RETAINING WALLS REQUIRED Yes No	
ARE ALIGNMENT LEVELS SATISFACTORY Yes No			IS GUTTER CROSSING REQUIRED Yes No	
OTHER (e.g. Asbestos on site, trees affected etc.)			ARE THE FOLLOWING DAMAGED Footpath Yes No N/A Kerb and Gutter Yes No N/A Roadway Yes No N/A	
AFFECTED AND ADJOINING PROPERTIES			SIGNED DATE	

INSPECTIONS	DATE	RESULT	INITIALS
Footings			
Dampcourse			
Framework			
Drainage			
Final	24/3/99	Building appears to be completed	
Ground Floor Slab		in accordance with plans.	
First Floor		Certification of slab + steel frame	
2nd Floor Slab		required before reinf can be	
3rd Floor Slab		made.	Rtoltz
	25/3/99	Spoke to Alke Catts - he will check	
		if engineer certification	Rtoltz
	28/5/99	Engineer certification received - OK	
		to reinf depart.	Rtoltz

REMARKS

8/6/93. 15x7 L shape same Pergola only add area.

(ONE FORM ONLY REQUIRED)

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