

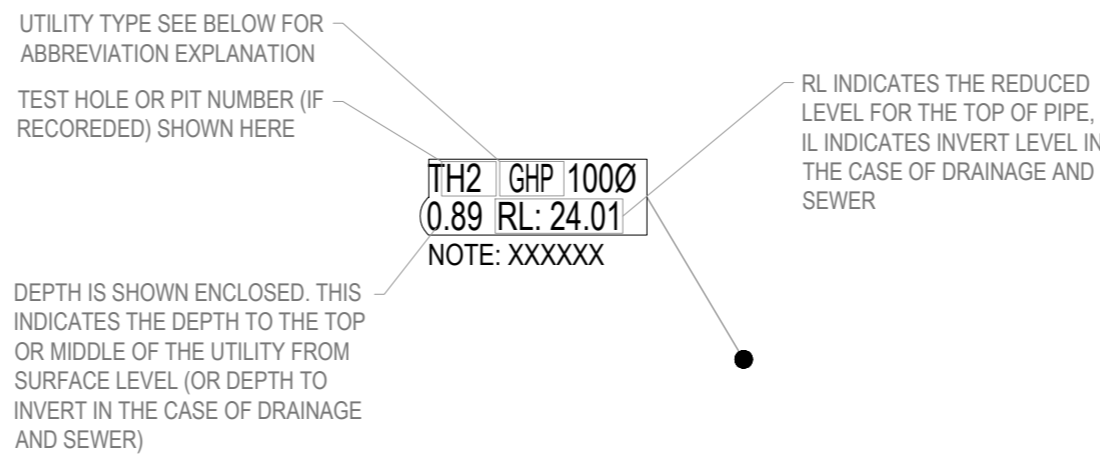
Rev.	Date	Description	Des.	Verif.	Appd.
A	04.06.21	ORIGINAL PLAN		HL	PS

DATE PLOTTED: 4 June 2021 2:39 PM BY: HUNG LAI

IMPORTANT INFORMATION

- WHERE SURESEARCH PROVIDES PLANS, REPORTS OR ELECTRONIC DATA FILES, SUCH INFORMATION DOES NOT REPLACE DIAL BEFORE YOU DIG UTILITY PROVIDER DIAGRAMS. THE UTILITY OWNERS EXCAVATION APPROVAL PROCESS MUST BE FOLLOWED AND DUTY OF CARE REQUIREMENTS AND GUIDELINES MUST BE ADHERED TO.
- PLANS PROVIDED BY SURESEARCH REPRESENT FIELD WORKS OR DESKTOP STUDIES UNDERTAKEN ON A SPECIFIC DATE. CHANGES IN THE FIELD MAY HAVE OCCURRED SINCE THIS DATE AND PLANS PROVIDED BY SURESEARCH MAY NO LONGER BE CURRENT.
- SURESEARCH RECOMMENDS THAT UTILITIES ARE VERIFIED AND POSITIVELY IDENTIFIED (QL-A) PRIOR TO THE DETAILED DESIGN AND CONSTRUCTION PHASES OF A PROJECT.
- SURESEARCH PROVIDES UTILITY INFORMATION AS PER AS 5488-2013, AND ASSIGNS A QUALITY LEVEL TO THE UTILITY. THE QUALITY LEVEL DESCRIBES THE ACCURACY AND AMOUNT OF INFORMATION AVAILABLE FOR A SPECIFIC UTILITY (SEE TABLES BELOW). WITH AN INCREASE IN QUALITY LEVEL COMES AN INCREASE IN CERTAINTY AND THEREFORE A REDUCTION IN RISK. HOWEVER RISK CANNOT BE REMOVED COMPLETELY.
- UTILITY LINE STRINGS ARE GENERATED BY CONNECTING INDIVIDUAL POINTS ALONG A LOCATED UTILITY. THE ACTUAL UTILITY ALIGNMENT MAY VARY FROM THE GENERATED LINESTRINGS BETWEEN THE RECORDED POINTS.
- WHEN UTILISING ELECTRONIC DETECTION METHODS (QL-B), ABOVE GROUND UTILITY FEATURES, DIAL BEFORE YOU DIG PLANS AND LOGICAL DEDUCTION ARE USED TO IDENTIFY THE SPECIFIC UTILITY. PLOTTED LINESTRINGS IDENTIFYING UTILITIES AND UTILITY ATTRIBUTES CAN THEREFORE NOT BE GUARANTEED AS CORRECT.
- WHILE EXPOSING UTILITIES (QL-A) GIVES THE MOST ACCURATE UTILITY INFORMATION, DUE TO THE POSSIBILITY OF OBSOLETE, REDUNDANT OR UNRECORDED UTILITIES MATCHING THE DESCRIPTION GIVEN BY THE UTILITY OWNERS, IT IS NOT POSSIBLE TO GUARANTEE THIS INFORMATION AS CORRECT. CONSTRUCTION SCIENCES RECOMMENDS THAT UTILITY OWNERS ARE NOTIFIED OF ANY PROPOSED WORKS AND UTILITY INFORMATION IS REVIEWED PRIOR TO CONSTRUCTION ACTIVITIES.
- WHEN AVAILABLE, UTILITIES WILL BE LABELLED CONSISTENT WITH UTILITY PROVIDER DIAGRAMS.
- SINGLE LINES MAY REPRESENT MULTIPLE PIPES, CABLES OR CONDUITS AND WILL BE INDICATED AS SHOWN IN THE DIAGRAM FOR "QL-B DETAILS" OR IN THE TABLE FOR QL-A LOCATIONS. SURESEARCH RECOMMENDS THAT UTILITY DIMENSIONS ARE VALIDATED PRIOR TO CONSTRUCTION ACTIVITIES.
- DOMESTIC UTILITY CONNECTIONS FROM MAINS AND UTILITIES LOCATED ON PRIVATE PROPERTY ARE NORMALLY EXCLUDED FROM DIAL BEFORE YOU DIG DIAGRAMS, THEREFORE SURESEARCH CANNOT ALWAYS IDENTIFY THESE SERVICES.
- THE "EXTENT OF WORKS" AREA DENOTES THE BOUNDARIES OF THE UTILITY INVESTIGATION AS PER THE SCOPE OF WORKS AS UNDERSTOOD BY SURESEARCH. SURESEARCH DOES NOT GUARANTEE THAT ALL UTILITIES EXISTING WITHIN THE AREA HAVE BEEN IDENTIFIED.
- THIS PLAN MUST BE PRINTED IN COLOUR AT THE SHEET SIZE INDICATED
- FOR CLARIFICATION OF THESE GUIDELINES OR ASSISTANCE IN UPDATING OF THESE PLANS PLEASE CONTACT SURESEARCH ON 1330 224 664

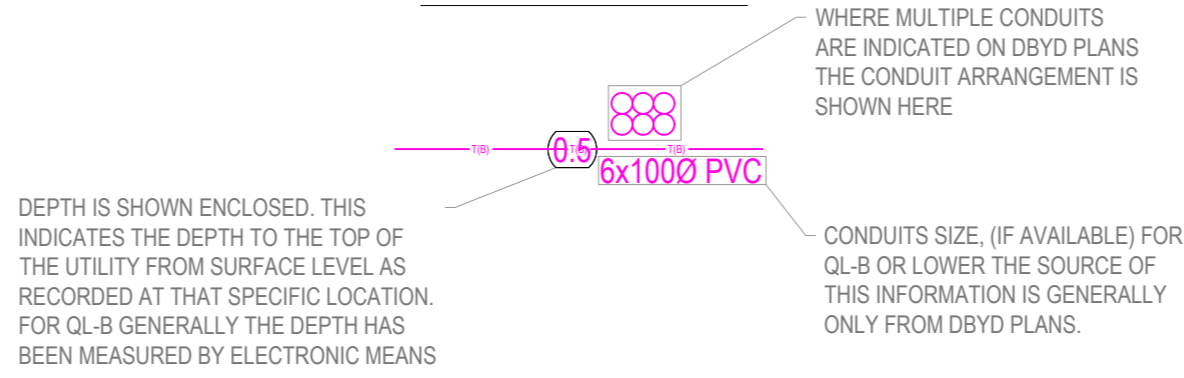
QL-A DETAILS ON PLAN



QL-A UTILITY ABBREVIATIONS

GHP	GAS HIGH PRESSURE	ELV	ELECTRICITY LOW VOLTAGE
GLP	GAS LOW PRESSURE	EHV	ELECTRICITY HIGH VOLTAGE
GTP	GAS TRANSMISSION PRESSURE	EUN	ELECTRICITY UNKNOWN VOLTAGE
GUN	GAS UNKNOWN PRESSURE	WTR	WATER
COM	COMMUNICATIONS	WTI	WATER IRRIGATION
TEL	COMMUNICATIONS TELSTRA	WRR	WATER RECYCLED
FIB	COMMUNICATIONS FIBRE OPTIC	STM	STORMWATER
VCT	VICTRACK	SEW	SEWER
SUN	RAIL SIGNALS	UNK	UNKNOWN

QL-B DETAILS ON PLAN



UTILITY LINETYPES LEGEND

	QL - B	QL - C	QL - D
TELSTRA	TEL(B)	TEL(C)	TEL(D)
OPTUS	OP(B)	OP(C)	OP(D)
OPTIC FIBRE	OF(B)	OF(C)	OF(D)
GENERAL COMMUNICATIONS	GB(B)	GB(C)	GB(D)
OVERHEAD COMMUNICATIONS	OC(B)	OC(C)	OC(D)
LOW VOLTAGE ELECTRICITY	ELV(B)	ELV(C)	ELV(D)
HIGH VOLTAGE ELECTRICITY	EHV(B)	EHV(C)	EHV(D)
UNKNOWN VOLTAGE ELECTRICITY	EUN(B)	EUN(C)	EUN(D)
OVERHEAD ELECTRICITY	OE(B)	OE(C)	OE(D)
LOW PRESSURE GAS	GLP(B)	GLP(C)	GLP(D)
HIGH PRESSURE GAS	GHP(B)	GHP(C)	GHP(D)
TRANSMISSION PRESSURE GAS	GTP(B)	GTP(C)	GTP(D)
UNKNOWN PRESSURE GAS	GUN(B)	GUN(C)	GUN(D)
FUEL	FB(B)	FB(C)	FB(D)
SEWERAGE	SB(B)	SB(C)	SB(D)
STORMWATER	STW(B)	STW(C)	STW(D)
UNKNOWN	UNK(B)	UNK(C)	UNK(D)
WATER	WTR(B)	WTR(C)	WTR(D)
IRRIGATION WATER	WTI(B)	WTI(C)	WTI(D)
FIRE SERVICE	FS(B)	FS(C)	FS(D)
RECYCLED WATER	WRW(B)	WRW(C)	WRW(D)
ABANDONED UTILITY	AB(B)	AB(C)	AB(D)
GPR (SCAN DIRECTION)	GPR(B)	GPR(C)	GPR(D)
VICTRACK	VCT(B)	VCT(C)	VCT(D)
VICROADS	VR(B)	VR(C)	VR(D)
RAIL SIGNALS	RS(B)	RS(C)	RS(D)

SYMBOL LEGEND

	LIGHT POLE		GAS VALVE
	ELECTRICAL POLE		TELSTRA/COMMUNICATION PIT
	ELECTRICAL PIT		TELSTRA/COMMUNICATION POLE
	WATER VALVE		VICROADS PIT
	FIRE PLUG		RECOMMENDED NDD OR TRENCH LOCATION
	FIRE HYDRANT		EXTENT OF WORKS
			LOSS OF TRACE

QUALITY LEVEL	PROVIDES	METHODS	TOLERANCES		CERTAINTY/RISK
			VERTICAL	HORIZONTAL	
QL-D	INDICATION OF POTENTIAL PRESENCE OF SUBSURFACE UTILITIES	UTILITY PLANS, INFORMATION & ANECDOTAL EVIDENCE	NA	NA	
QL-C	IMPROVED INDICATION OF THE ALIGNMENT OF SUBSURFACE UTILITIES	CORRELATION OF UTILITY PLANS AND INFORMATION WITH SURVEY OF VISIBLE SURFACE FEATURES	NA	±300mm	
QL-B	RELATIVE THREE DIMENSIONAL DETECTION OF SUBSURFACE UTILITIES	ELECTROMAGNETIC DETECTION AND GROUND PENETRATING RADAR	±500mm	±300mm	
QL-A	POSITIVE CONFORMATION OF ATTRIBUTES AND PRECISE THREE DIMENSIONAL LOCATION OF SUBSURFACE UTILITIES	EXPOSING AND DIRECTLY SURVEYING UTILITIES	±50mm	±50mm	



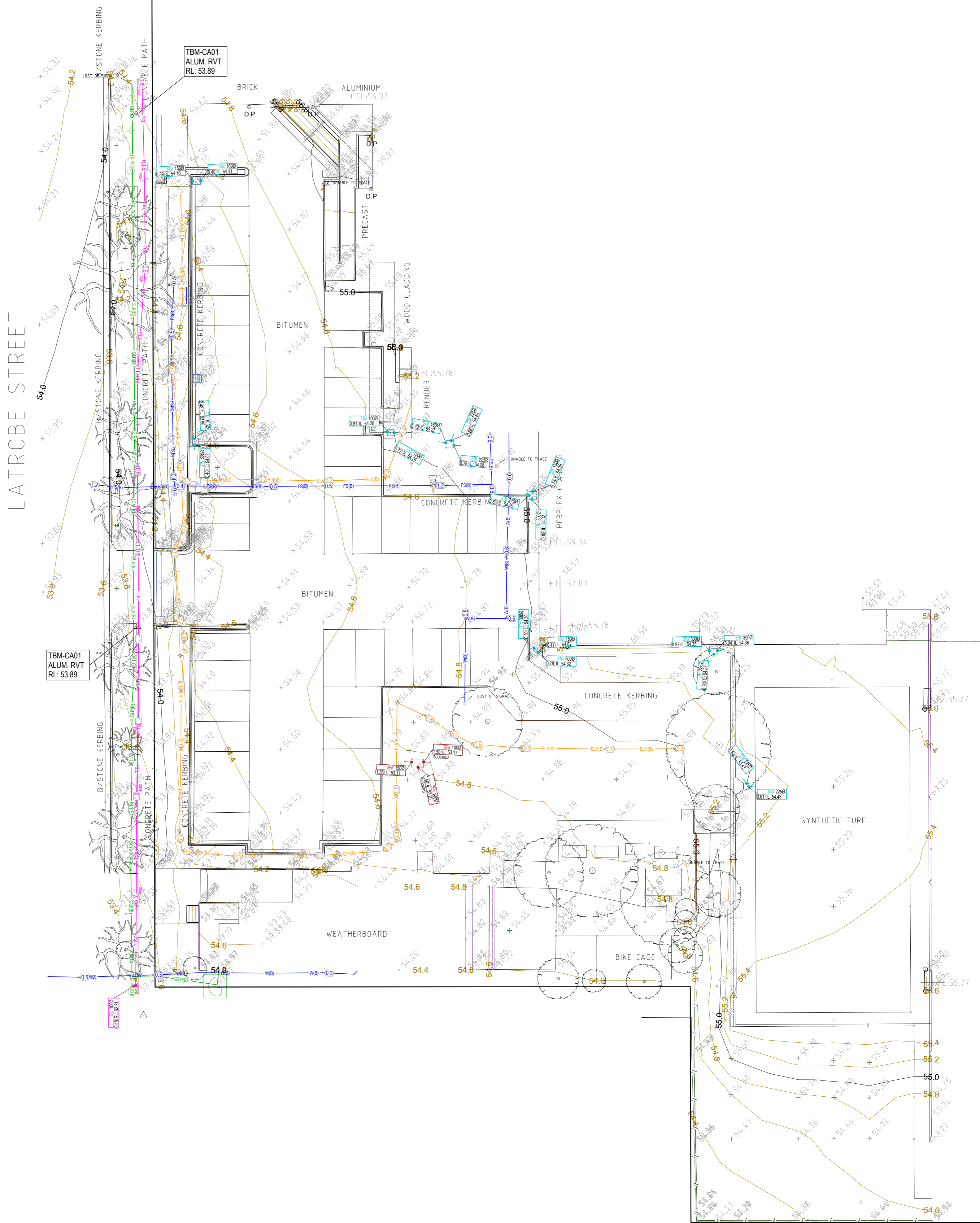
THESE PLANS DO NOT REPLACE PLANS ISSUED BY UTILITY PROVIDERS THROUGH THE "DIAL BEFORE YOU DIG" SERVICE. CONTRACTORS ARE REMINDED OF THEIR OWN "DUTY OF CARE" & SHOULD CONDUCT THEIR OWN "DIAL BEFORE YOU DIG" PRIOR TO EXCAVATION/CONSTRUCTION.

XREFs: 22262-01-UT-1000-2d RevA
CAD File: C:\Users\hung.lai\Desktop\Drawings\22262-01-FL-1000-2d RevA.dwg



Drawn HL	Date 04.06.2021	Client WILLIAM ROSS ARCHITECTS PTY LTD	Status AS SURVEYED	
Checked HL	Date 04.06.2021	Project SACRED HEART GIRLS' COLLEGE OAKLEIGH WARRIGAL ROAD	Coordinates SITE	Height SITE
Surveyed HL	Date 26.05.2021	Title FEATURE AND LEVEL SURVEY SHEET 1 OF 2	Scale NA	Size A1
Verified	Date		Drawing Number 22262-01-FL-1000-2d	Revision A
Approved				
PS	04.06.2021			

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Legend	
	001 PERM SURVEY MARK
	003 TITLE PEG
	004 INSTRUMENT STATION
	102 TOP OF BANK
	103 TOE OF BANK
	104 EXISTING SURFACE SPOT
	201 SINGLE TREE
	403 EDGE OF BITUMEN
	406 LIP OF KERB OR CHANNEL
	407 INVERT OF KERB OR CHANNEL
	408 BACK OF KERB OR CHANNEL
	409 TOP OF KERB OR CHANNEL
	410 PEDESTRIAN PATH
	411 DRIVEWAY
	505 TRAFFIC SIGNAL POLE
	511 JOINT USE POLE
	517 CENTRE MOUNTED SIGN
	601 HOUSE
	603 MAJOR BUILDING
	639 ROOF RIDGE
	711 LIGHT POLE
	712 ELECTRICITY POLE ONLY
	713 ELECTRICITY POLE WITH LIGHT
	731 GAS VALVE
	735 GAS METER
	751 STOP VALVE
	753 FIRE HYDRANT
	754 WATER METER
	807 TRAMWAY POLE
	903 FENCE
	904 GATE

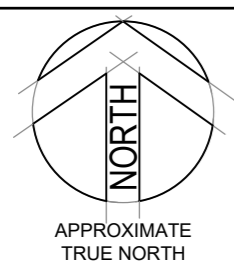
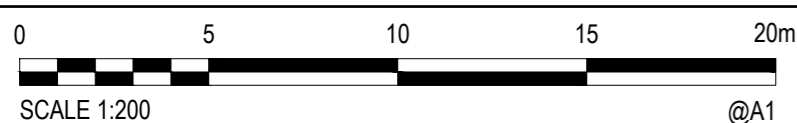
Notes
 For Title Re-establishment Survey showing relationship between fences/buildings and Title Boundaries refer to drawing CG120541 RFL 2D. Title was established when the previous survey was conducted and not during this survey. Title boundary shown is based of CG120541 RFL 2D information.

Coordinates are to MGA Zone 55 wide PM XXX and PM XXX

Tree heights shown thus HT.13m are approximate only

Contour Interval 0.2 metres

Services shown hereon have been located by field survey. Other hidden underground services may exist and prior to any demolition, excavation or construction on the site, the relevant authority or 'Dial before you Dig' should be contacted for possible location of further underground services.



IMPORTANT NOTE
 This plan is prepared for Williams Ross Architects Pty Ltd from a combination of field survey and existing records for the purpose of designing new constructions on the land and should not be used for any other purpose. Cardno Victoria Pty Ltd accepts no liability for any loss or damage, howsoever arising, to any person or corporation who may use or rely on this plan for any purpose other than the purpose for which it has been prepared.
 The title boundaries shown hereon were not marked by the author at the time of survey and have been determined by plan dimensions only and not by field measurement. Services shown hereon have been located where possible by field survey. If not able to be so located, known services have been plotted from the records of relevant authorities where available and have been noted accordingly on this plan. Where such records either do not exist or are considered inadequate, a notation has been made hereon. Prior to any demolition, excavation or construction on the site, the relevant authority should be contacted for possible location of further underground services and detailed locations of all services. This note is an integral part of this plan.

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Drawn HL Date 04.06.2021	Client WILLIAM ROSS ARCHITECTS PTY LTD	Status AS SURVEYED
Checked HL Date 04.06.2021	Project SACRED HEART GIRLS' COLLEGE OAKLEIGH WARRIGAL ROAD	Coordinates SITE Height SITE Scale 1:200 Size A1
Surveyed HL Date 26.05.2021	Title FEATURE AND LEVEL SURVEY SHEET 2 OF 2	Drawing Number 22262-01-FL-1001-2d Revision A
Verified Date	Approved Date 04.06.2021	