

### SURVEY INFORMATION

1. THE SURVEY IS ON GROUND CO-ORDINATES.

-THE ORIGIN OF CO-ORDINATES IS PM 44281 MGA CO-ORDINATES E 297639.861 N 6240316.169 (CDA 2020) (ZONE 56) -SOURCE OF CO-ORDINATES: SCIMS -DATE 30/05/2022

2. ALL REDUCED LEVELS ARE ON AUSTRALIAN HEIGHT DATUM (A.H.D)

ORIGIN OF LEVELS PM 44282 RL95.924
SOURCE OF REDUCED LEVELS: SCIMS -DATE OF REDUCED LEVELS 30/05/2022

CONTOUR INTERVAL IS 0.5m.

4. MGA AND ISC CO-ORDINATE SYSTEMS ARE BASED ON A MATHEMATICAL EARTH MODEL AND SUBJECT TO VARIABLE SCALE FACTORS. DISTANCES CALCULATED FROM CO-ORDINATES MAY VARY SIGNIFICANTLY FROM GROUND MEASUREMENTS. IF FUTHER CLARIFICATION IS REQUIRED CONTACT MONTEATH AND POWYS.

### **NOTE**

SEWER LINES WERE LOCATED WITH CCTV.
REF: UTILITY SCAN LEPPINGTON PUBLIC SCHOOL PUSHCAM 01/05/2023

**IMPORTANT NOTES** 

- 1. ONLY VISIBLE SERVICES HAVE BEEN LOCATED BY SURVEY.
- THE POSITION OF THE UNDERGROUND SERVICES IS APPROXIMATE ONLY AND HAS BEEN SCALED FROM THE RELEVANT AUTHORITY'S SERVICES PLANS USING THE DIAL BEFORE YOU DIG\* SERVICE. SEARCH DATE: 29/06/2022
- 3. NOT ALL SERVICE INFORMATION MAY BE SHOWN DUE TO UNAVAILABILITY OF SERVICE PLANS OR CURRENT INFORMATION.
- 4. INDEPENDENT ENQUIRIES FOR UP—TO—DATE SERVICE LOCATIONS THROUGH THE RELEVANT AUTHORITIES MUST BE UNDERTAKEN PRIOR TO COMMENCEMENT OF ANY WORKS/EXCAVATION. EXACT SERVICE POSITIONS SHOULD BE ESTABLISHED BY APPROPRIATE MEANS. WE RECOMMEND PROFESSIONAL SERVICE LOCATORS.
- 5. THE BOUNDARIES SHOWN ON THIS PLAN ARE BASED ON OUR FIELD SURVEY. TO FORMALISE THESE DIMENSIONS, WE WOULD RECOMMEND THE PREPARATION OF A REDEFINITION PLAN, SUITABLE FOR LODGEMENT AND REGISTRATION WITH NSW LAND REGISTRY SERVICE.
- THIS PLAN SHOULD NOT BE USED FOR BUILDING WORKS CLOSE TO OR ON THE BOUNDARY, OR TO PROSCRIBED SET—BACKS WITHOUT FURTHER SURVEY INVESTIGATION.
- 7. THIS SURVEY DATA IS A COMBINATION OF FIELD SURVEY AND LIDAR DATA.
- 8. ANTICIPATED ACCURACY OF THE LIDAR DATA PROVIDED BY NSW GOVERNMENT SPATIAL SERVICES IS ±300mm.
- CRITICAL LEVELS (E.G. FLOOR LEVELS) AND CRITICAL LOCATIONS (E.G. STRUCTURES) THAT HAVE NOT BEEN SHOWN MUST BE VERIFIED BY FURTHER SURVEY PRIOR TO FINAL DESIGN.
- 10. NO EXCAVATIONS HAVE BEEN MADE TO DETERMINE THE EXTENT TO WHICH ANY SUBJECT WALLS, FOUNDATIONS OR FOOTINGS MAY ENCROACH UPON ADJOINING LAND.
- 11. NO EXCAVATIONS HAVE BEEN MADE TO DETERMINE THE EXTENT TO WHICH ANY ADJOINING WALLS, FOUNDATIONS OR FOOTINGS MAY ENCROACH UPON SUBJECT LAND.
- ALL TREE DIMENSIONS, HEIGHT (H), CANOPY (C) AND TRUNK DIAMETER (D) HAVE BEEN ESTIMATED. IF ACCURATE DIMENSIONS ARE REQUIRED FOR DESIGN PURPOSES, FURTHER SURVEY SHOULD BE REQUESTED.
- CONTOURS SHOWN DEPICT THE TOPOGRAPHY. CONTOURS DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT, EXCEPT AT SPOT LEVELS SHOWN.
- 14. THIS PLAN MUST REMAIN UNALTERED AS ISSUED BY MONTEATH & POWYS. ALTERING ANY PART OF THIS PLAN DESTROYS THE INTEGRITY OF THE PLAN. ANY REVISIONS REQUESTED MUST BE ISSUED BY MONTEATH & POWYS.
- 15. THESE NOTES ARE AN INTEGRAL PART OF THIS PLAN. REPRODUCTION OF THIS PLAN OR OF ANY PART OF THIS PLAN, WITHOUT THESE NOTES BEING INCLUDED IN FULL, WILL RENDER THE INFORMATION SHOWN ON SUCH REPRODUCTION INVALID AND NOT SUITABLE FOR USE.

## LINE TYPES

DRAIN PIPE DISH DRAIN UNDERGROUND ELECTRICAL HV CABLE UNDERGROUND ELECTRICAL LV CABLE OVERHEAD ELECTRICITY CABLE TELECOMMUNICATIONS CABLE SEWER MAIN FENCING RETAINING WALL ---- EDGE OF CONCRETE

- 10P — 10P — 10P — 10P — TOP OF BANK - 10E — 10E — 10E — TOE OF BANK ----- CENTRELINE OF BITUMEN ----- EDGE OF BITUMEN ---- EDGE OF GRAVEL - C(DBYD) - C(DBYD) - C(DBYD) - C(DBYD)

TRELECOMMUNICATIONS CABLE (DBYD)

GAS MAIN (DBYD) - S(DBYD) - S(DBYD) - S(DBYD) SEWER MAIN (DBYD) - W(DBYD) - W(DBYD) - W(DBYD) - D(DBYD) - D(DBYD) - D(DBYD) - D(DBYD) - D(DBYD) - D(DBYD) MINOR CONTOUR (SURVEY) MAJOR CONTOUR (SURVEY)
MINOR CONTOUR (LIDAR) MAJOR CONTOUR (LIDAR)

## **SYMBOLOGY**

INV-/OBVERT LEVEL STORM WATER MAN HOLE

ELECTRICAL PIT ●★ ELECTRICAL POWER POLE W/LIGHT

★ LIGHT POLE

ELECTRICAL CABLE MARKER

ELECTRICAL PILLAR WATER METER WATER HYDRANT

STOP VALVE WATER TAP

WATER PIT

TELSTRA PIT COMMUNICATION PIT

SEWER MAN HOLE SEWER PIT

SEWER INSPECTION POINT SEWER VENT

GAS PIPE MARKER

COLUMN

FLOOR LEVEL ROAD SIGN

## BOLLARD

## SERVICES INFORMATION

Subsurface utility information (Sui) ass488. Class labelling of utility information is based on a classfication code which allows the user of this information to understand clearly how the information was collected and then place an appropriate amount of reliance on it. Project risks related to underground utilities can then be properly managed.

I. CLA: INFORMATION IS THE HIGHEST POSSIBLE LEVEL OF ACCURACY AND IS OBTAINED BY EXPOSING THE UNDERGROUND UTILITY USING A NON-DESTRUCTIVE EXCAVATION (POT HOLING) TECHNIQUE. THE VERTICAL STANDARD TO THE TOP A STANDARD THE TOP THE VERTICAL STANDARD TO THE TOP A STANDARD THE TOP THE VERTICAL STANDARD TO THE TOP AS AN X, Y, Z COORDINATE. OLD SERVICE, OLLECTED BY DESTONATION THE HORIZONTAL AND VERTICAL LOCATION OF UNDERGROUND UTILITIES BY USING ELECTROMACHETIC HORIZONTAL AND VERTICAL LOCATION OF UNDERGROUND UTILITIES BY USING ELECTROMACHETIC HORIZONTAL AND VERTICAL LOCATION OF UNIVERSE COLIFICATIONS, SONDES OR FLEXI-TRACE, GROUND PERTERATING RADAR AND ACOUSTIC PULSE EQUIPMENT. THIS IS THE MOST COMMON FORM OF UTILITY LOCATING AND ALTHOUGH AN X, Y AND Z AXS CAN BE ESTABLISHED IT IS NOT ALWAYS ENTRELLY ACCURATE DUE TO DIFFERING THE LOCATING ELECTROMAGNETIC FIELDS, SOIL CONDITIONS AND MULTIPLE BANKS OF CABLES AFFECTING THE LOCATING SIGNAL.

ELECTIVIMMIQUE IIC FIELDS, SOIL CONDITIONS AND MULTIPLE BANKS OF CABLES AFFECTING THE LOCATIN SIGNAL.

3. QL-C: INFORMATION IS COLLECTED BY CORRELATING THE SURVEY OF VISIBLE UTILITY SURFACE FEATURES SUCH AS MARKER PLATES OR WATER HYDRANTS AND ACQUIRED DIAL—BEFORE—YOU—DIG PLANS TO DRAW'A STRING WHICH SHOWS THE APPROXIMATE POSITION OF SERVICES. THIS METHOD DOES NOT USUALLY SHOW MULTIPLE BANKS OF CABLES AND DOES NOT ALWAYS SHOW THREE DIMENSIONAL INFORMATION. ELECTRONICALLY TRACED LOCATE MARKS WITH POOR SCRATCHY SIGNALS ARE REPRESENTED AS QL-C.

4. QL-D: INFORMATION IS THE MOST BASIC LEVEL OF UTILITY LOCATIONS USING ONLY INFORMATION BASED ON EXISTING DIAL—BEFORE—YOU—DIG PLANS AND BY MEASURING BOUNDARY OFFSETS ETC. THIS METHOD OF UTILITY LOCATIONS SHOULD ALWAYS BE TREATED AS AN INDICATION OF THE PRESENCE OF A SERVICE. SERVICE
ONLY AND SHOULD NOT BE USED FOR DESIGN. GPR SCANS ARE ALSO REPRESENTED AS QL—D AS THE
GPR IMAGE CANNOT BE CONFIRMED TO IT'S ORIGIN POINT. DEPTHS ON GPR SCAN MUST BE TREATED AS
INDICATIVE ONLY.

# IMPORTANT SERVICE NOTES

THE POSITION OF SERVICES LOCATED BY ACCREDITED SERVICES CONTRACTOR USING CONDUCTIVE TRACING TECHNIQUES ARE RECORDED ON THIS PLAN. MONTEATH & POWYS ARE UNABLE TO VERIFY THE ACCURACY OF THESE LOCATIONS AND ADWISE THE REQUIREMENT FOR POSITIVE IDENTIFICATION PRIOR TO EXCAVATION OR CONSTRUCTION IN THEIR VICINITY. ANY DEPTHS OF SERVICES FROM INDUCTIVE TRACING WHICH ARE INDICATED ON THIS PLAN ARE INDICATIVE ONLY AND SHOULD BE VERIFIED BY POTHOLING IF CRITICAL TO DESION.

NOT ALL SERVICE INFORMATION MAY BE SHOWN DUE TO UNAVAILABILITY OF SERVICE PLANS OR CURRENT INFORMATION.

3. THE SERVICES SHOWN IN THIS PLAN HAVE POINT CROSSES WITH ATTRIBUTES. THE ATTRIBUTES CONTAIN INFORMATION RELATED TO THE SERVICE BEING LOCATED. IF USING AUTOCAD, THESE ATTRIBUTES CAN BE TURNED ON OR OFF USING THE ATTORISC COMMAND, ALSO CLICKING ON THE POINT CROSS AND VIEWING THE PROPERTIES OF THAT POINT CROSS FULL LIST THE ATTRIBUTES.

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5. THESE NOTES ARE AN INTEGRAL PART OF THIS PLAN. REPRODUCTION OF THIS PLAN OR OF ANY PART OF THIS PLAN WITHOUT THESE NOTES BEING INCLUDED IN FULL WILL RENDER THE INFORMATION SHOWN ON SUCH REPRODUCTION INVALID AND NOT SUITABLE FOR USE.

## SERVICES LINE TYPES

DRAINAGE LINE CLASS B DRAINAGE LINE CLASS C DRAINAGE LINE CLASS D UNDERGROUND ELECTRICAL CABLE CLASS B UNDERGROUND ELECTRICAL CABLE CLASS C
UNDERGROUND TELECOMMUNICATIONS CABLE CLASS B
UNDERGROUND TELECOMMUNICATIONS CABLE CLASS C FIBRE OPTIC CABLE CLASS B FIBRE OPTIC CABLE CLASS C GAS MAIN CLASS B - «c) - «c) - «c) - GAS MAIN CLASS C SEWER MAIN CLASS B SEWER MAIN CLASS C \_\_\_\_\_ s(e) \_\_\_\_\_ s(e) \_\_\_\_ s(e) \_\_\_\_ WATER MAIN CLASS C

# **LEGEND**

ELECTRICAL ELPILLAR ELECTRICAL PILLAR

MISC CI CAST IRON FND OF TRACE EARTHENWARE EW **TREES** 

TREE HEIGHT OF TREE

SPREAD OF CANOPY DIAMETER OF TRUNK



0	10	20	30	40	50
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	REDUCT	ION RATION	0 - 1:75 - 1:150	0 (A1) 0 (A3)	

Sheet No.

2/6

Revision

	′	CHANGES TO TITLEBLOCK TEXT				10/01/23	13
S	6	ADDITIONAL ARBORIST TREE - (No.52 SHEET 4)	JES	MAK	ВЈВ	10/05/24	,
REVISIONS	5	ADDITIONAL ARBORIST TREES	JES	MAK	ВЈВ	02/05/24	,
EN	4	AMENDMENTS MADE DETAIL SURVEY		CMK	ВЈВ	10/04/24	1
~	3	AMENDMENTS MADE TO UTILITY SCAN SERVICES	м&Р	CMK	TR	03/07/23	1
	No	REVISION	SVY	DFT	СНК	DATE	ľ

7 CHANCES TO TITLEDLOCK TEXT

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REGISTERED SURVEYOR  @A1: ##### Original Size @A3: 1:1500		Title DETAIL SURVEY OF LEPPINGTON PUBLIC SCHOOL LOT 38E & 39C DP 8979, LOT 1 DP 127446, LOT B DP 411211 & LOT 1 DP 439310 144 RICKARD ROAD, LEPPINGTON					
DO NOT SCALE		A1	CAD File: 220216A_07	Ref No:	22/0216	Date: 30/06/2022	
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