



SHEET 1

SHEET 2

SHEET 3

### GENERAL ARRANGEMENT PLAN

SET-OUT SCHEDULE			
POINT	EASTING	NORTHING	REMARKS
1	328082.22	6254931.90	INV GUTTER AT PIT 1 (START OF KERB ALIGNMENT)
2	328111.81	6254894.74	INV GUTTER AT PIT 2
3	328122.09	6254881.84	INV GUTTER AT PIT 3
4	328128.95	6254873.23	INV GUTTER AT PIT 4
5	328130.19	6254871.67	INV GUTTER END OF NEW KERB AND GUTTER
6	328161.91	6254831.86	INV GUTTER (END OF KERB ALIGNMENT)
7	328132.00	6254849.58	SSM 38965
8	328011.29	6255000.24	SSM 83709

**WARNING**  
UNDERGROUND SERVICES HAVE BEEN PLOTTED ON THE SURVEY FROM RECORDS SUPPLIED BY THE PUBLIC AUTHORITIES ON 4/06/2020. LOCATIONS HAVE BEEN INTERPRETED FROM THESE RECORDS AND ARE APPROXIMATE ONLY. EXTREME CAUTION SHOULD BE TAKEN BY PERSONS EXCAVATING.

**WARNING U/G GAS**  
GAS LINES

**WARNING U/G TELSTRA CABLES**  
PLEASE CONTACT THE N.I.A.C. GROUP AT TELSTRA ON 9204-0880 OR 9204-0923, BEFORE STARTING ANY CONSTRUCTION WORK IN THE AREA.



**WARNING U/G TELSTRA CABLES**  
OF TELSTRA OF TELSTRA ON 9204-0880 OR 9204-0923, BEFORE STARTING ANY CONSTRUCTION WORK IN THE AREA.

**WARNING U/G ELECTRICITY**  
POWER CABLES

UTILITIES	
WATERMAIN	W
U/G TELSTRA	T
O/H TELSTRA	OT
OPTICAL FIBRE	OF
GAS MAIN	G
HP GAS MAIN	HG
U/G ELECTRICITY	E
O/H ELECTRICITY	OH
SEWER	S

THIS PLAN IS PREPARED 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.

THE LOCATION OF PROPERTY BOUNDARIES HAVE NOT BEEN DETERMINED AS PART OF THIS SURVEY. A CADASTRAL OVERLAY OF THE AREA HAS BEEN OBTAINED FROM THE LPI WEB SITE. PRIOR TO ANY CONSTRUCTION ON OR NEAR A PROPERTY BOUNDARY, THE LOCATION OF THE PROPERTY BOUNDARY SHOULD BE DETERMINED BY A REGISTERED SURVEYOR.

VISIBLE SERVICES ONLY HAVE LOCATED AS PART OF THIS SURVEY. ALL CARE HAS BEEN TAKEN IN THE FIELD SURVEY TO IDENTIFY VISIBLE SERVICES. IN SOME CASES THE VISIBLE SERVICES HAVE NOT BEEN IDENTIFIED. IT IS RECOMMENDED THAT A FIELD INSPECTION WITH THE RELEVANT SERVICE AUTHORITY REPRESENTATIVE BE UNDERTAKEN TO CONFIRM THE IDENTITY OF SERVICES SHOWN ON THIS PLAN.

**PRIOR TO EXCAVATION THE CONTRACTOR MUST:**  
CONTACT "DIAL BEFORE YOU DIG"  
PH: 1100  
WEB: www.1100.com.au

**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.**

### CAUTION - EXCAVATING NEAR TREES TO BE RETAINED

- CAREFULLY EXCAVATE WITH A TRENCHING MACHINE UP TO 2.0 METERS FROM THE BASE OF THE TREE. A SPOTTER IS TO BE USED TO GUIDE THE MACHINE AND AVOID DAMAGE TO THE TREE ROOTS. THE EXCAVATOR IS TO USE A FLAT BLADE BUCKET WITH NO TEETH.
- EXCAVATION BY HAND DIGGING SHALL BE EMPLOYED WITHIN 2.0 METERS ON EITHER SIDE OF THE TREE AND WITHIN 2.0 METERS OF THE TREE TRUNK.
- NO TREE ROOT GREATER THAN 40mm IN DIAMETER ARE TO BE CUT WITHOUT PRIOR INSPECTION AND APPROVAL BY COUNCIL.
- TREE ROOTS LESS THAN 40mm IN DIAMETER ARE TO BE CLEAN CUT WITH A SHARP IMPLEMENT.
- NO MATERIAL IS TO BE STORED UNDER TREES TO BE RETAINED OR AGAINST THE TREE'S TRUNK. GROUND PROTECTION MAY NEED TO BE EMPLOYED AS PER AS 4970-2009 "PROTECTION OF TREES ON DEVELOPMENT SITES", SECTION 4.5.3.
- WHERE INSTRUCTED BY COUNCIL'S TREE SERVICES, TREE PROTECTION BATONS ARE TO BE PLACED AROUND THE TREE TRUNK AS PER AS 4970-2009, SECTION 4.5.2 AND FIGURE 4.
- WHERE THERE IS DISCREPANCY BETWEEN THE CONSTRUCTION DRAWINGS OR A LIKELY PHYSICAL CONSTRAINT ENCOUNTERED BETWEEN THE TREE TO BE RETAINED AND THE INFRASTRUCTURE THAT IS TO BE INSTALLED, AN ALTERNATIVE DESIGN MAY NEED TO BE EMPLOYED. IN THIS SITUATION, STOP ALL WORK IN PROXIMITY OF THE TREE TO BE RETAINED AND CONSULT WITH COUNCIL'S PROJECT ENGINEER IMMEDIATELY. TREE SERVICES IN COLLABORATION WITH THE DESIGNER WILL THEN PROVIDE ADVICE ON THE MODIFICATIONS REQUIRED.
- IF IN DOUBT - PLEASE SEEK ADVICE FROM COUNCIL BEFORE PROCEEDING WITH WORKS.
- FAILURE TO ADHERE TO ANY OF THESE REQUIREMENTS WILL RESULT IN THE CONTRACTOR TO BEAR ALL COSTS ASSOCIATED WITH THE REMEDIATION OR EQUIVALENT REPLACEMENT OF THE TREE TO BE RETAINED.

### PAVEMENT LEGEND

- NEW CONCRETE DRIVEWAY PAVEMENT  
130mm THICK CONCRETE (25MPa STRENGTH) WITH SL72 FABRIC PLACED 30mm FROM TOP ON 50mm THICK COMPACTED SAND BEDDING
- ROAD PAVEMENT ADJUSTMENT  
50mm THICK ASPHALTIC CONCRETE (AC14) OR AS OTHERWISE SPECIFIED ON 250mm THICK COMPACTED GRANULAR MATERIAL (DGB20) MINIMUM WIDTH OF SHOULDER ADJUSTMENT TO BE 600mm EXTEND ASPHALT OVERLAY 2.5m TO CENTRE OF ROAD WHERE SHOWN
- LANDSCAPE/TURF BACKFILL WITH CLEAN FILL AND PLACE MINIMUM 150 LAYER OF IMPORTED TOPSOIL MIX EQUAL TO ANL "ORGANIC GARDEN MIX", TURF WITH CYNODON DACTYLON "WINTERGREEN"
- NEW KERB AND GUTTER ALIGNMENT  
SANDSTONE KERB AND CONCRETE GUTTER OR STANDARD 150mm HIGH KERB AND GUTTER (25MPa COMP. STRENGTH) AT ENDS OF PITS, LAYBACKS AND PRIVATE STORMWATER OUTLETS

FOLDER: D:\ryde39\ryde39-civil1a.dwg

**THOMAS LAU AND ASSOCIATES**  
CHARTERED PROFESSIONAL ENGINEERS  
NATIONAL ENGINEERS REGISTER N. E. R. NO. 158730  
INCORPORATING Y. F. KWOK SERVICES

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ISSUE	DESCRIPTION	DATE
2	KERB DETAIL REVISED	04/21
1	ISSUED FOR CONSTRUCTION	03/21

PROJECT: STORMWATER DRAINAGE IMPROVEMENTS  
RYDE ROAD, HUNTERS HILL  
No.'s 23 TO 43 RYDE ROAD

CLIENT: HUNTERS HILL COUNCIL  
22 ALEXANDRA STREET  
HUNTERS HILL NSW 2110

DRAWING SHEET TITLE:  
GENERAL ARRANGEMENT PLAN  
PAVEMENT LEGEND  
NOTES

TITLE: PROPOSED STORMWATER DRAINAGE IMPROVEMENTS AND ANCILLARY CIVIL WORKS  
DRAWING REF: RYDE39-CIVIL1A

DESIGN: T.L. DATE: MARCH 2021  
DRAWN: Y. F. KWOK SHEET: 2 OF 9  
SCALE: 0 1 2 3 4 5 METRES

PLOT DATE: 06/04/2021