# 634 - 652 High Street & 87 - 91 Union Road Penrith, NSW

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# Landscape Architecture and Design Penway Place 634-652 High S PENRITH, NSV

DOCUMENT STATUS/ AMENDMENTS

24.01.20 DA issue - 50% 18.02.20 DA issue - 75%

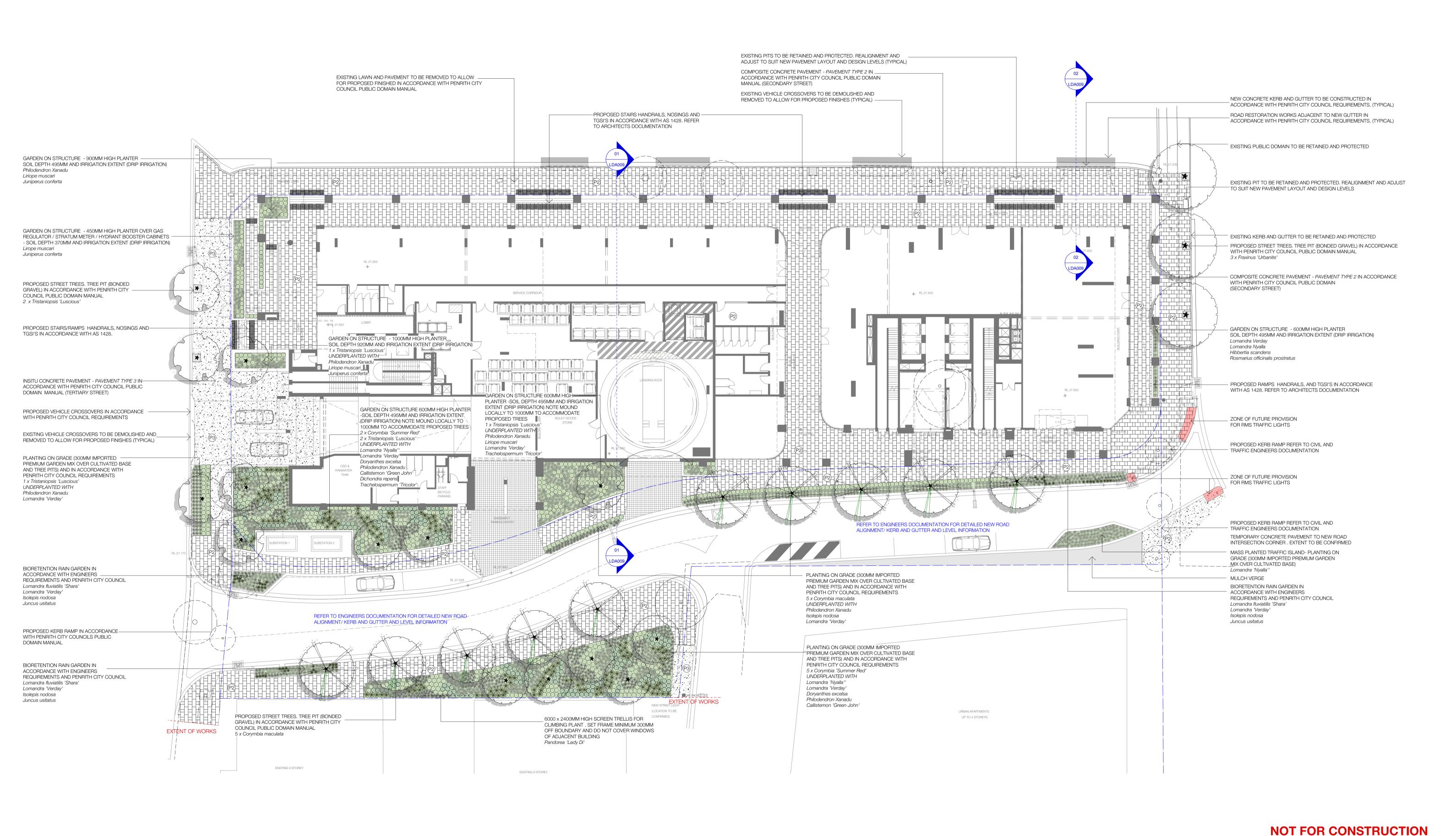
04.10.21 FOR APPROVAL

28.02.20 FOR DA 02.03.20 FOR DA REFER TO L-DA-007 FOR NOTES AND PLANT SCHEDULE

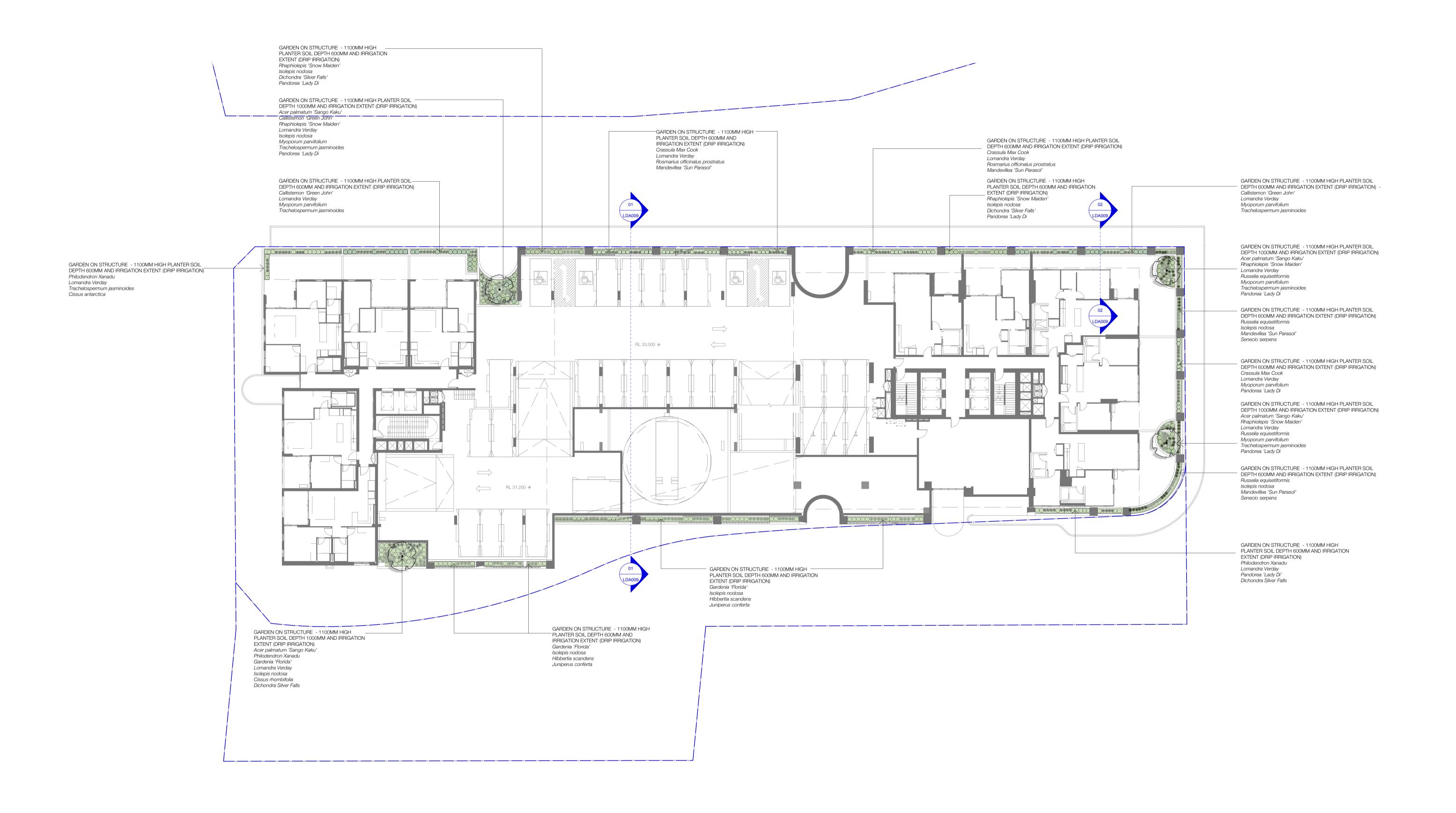
Black Beetle pty ltd Level 1, 1073 Pittwater Road, Collaroy NSW 2097 Tel: 0422 104 416 email: blackbeetle@blackbeetle.com.au

PROJECT
Penway Place Residential Precinct 634-652 High Street & 87-91 Union Road PENRITH, NSW
DRAWING TITLE

NOT	FOR CONSTRUCTION	
Drawn IK / LT	Client	
L.Architect Authorised IK / GB	TOGA Group	
	Status	
Scale 1:200 @ A1	Development Application	
DO NOT SCALE OFF THIS DRAWING - USE FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES WITH BLACK BEETLE BEFORE PROCEEDING. COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK		
JOB NUMBER BB 1253	DRAWING NUMBER / ISSUE L-DA-001 / E	

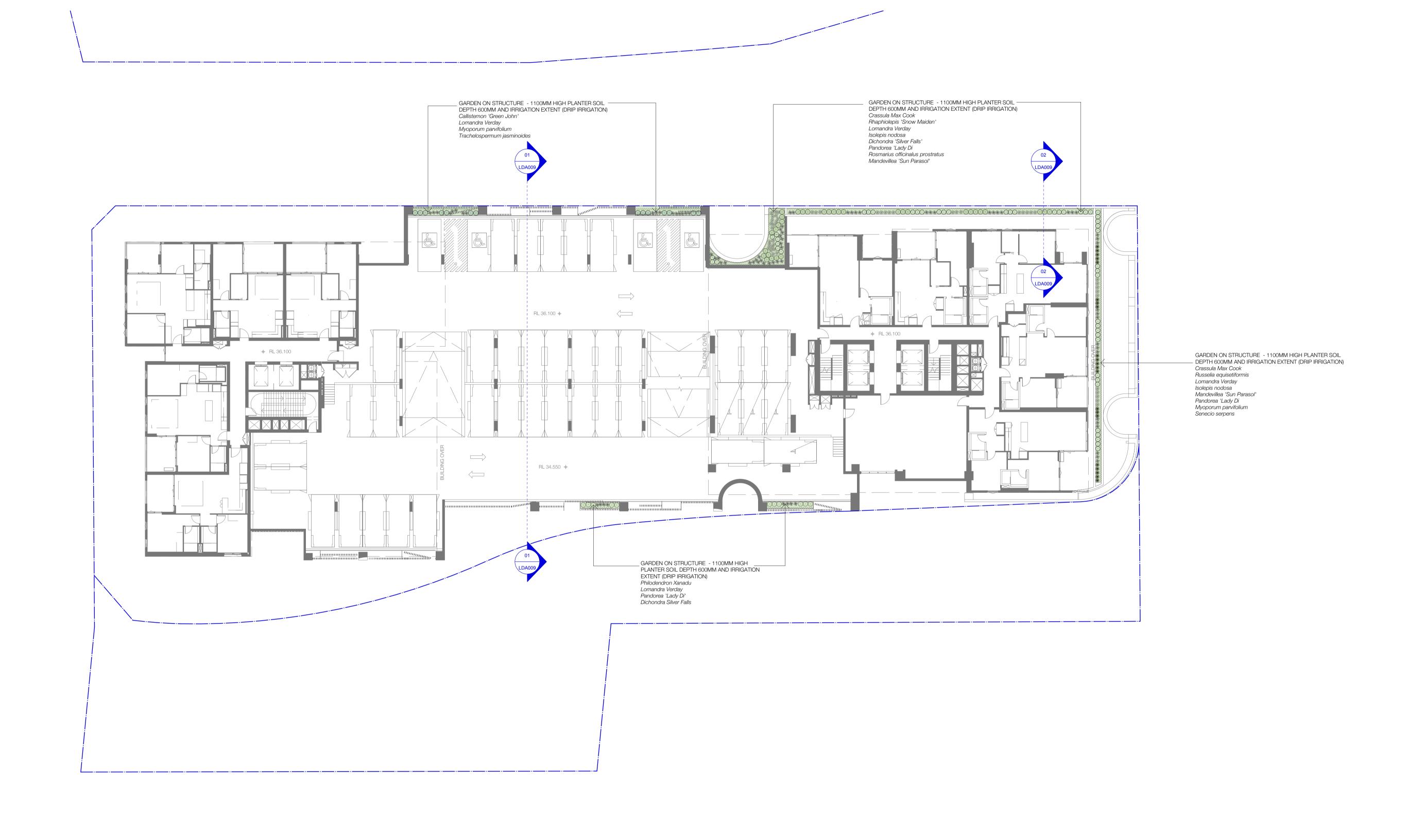


# Drawn IK / LT PROJECT **DOCUMENT STATUS/ AMENDMENTS** REV: DATE: REFER TO L-DA-007 FOR NOTES AND PLANT SCHEDULE TOGA Group NORTH L.Architect Authorised **Penway Place Residential Precinct** IK / GB 634-652 High Street & 87-91 Union Road 24.01.20 DA issue - 50% Landscape Architecture and Design PENRITH, NSW Development Application 18.02.20 DA issue - 75% 1:200 @ A1 DRAWING TITLE Black Beetle pty ltd 28.02.20 FOR DA DO NOT SCALE OFF THIS DRAWING - USE FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES WITH BLACK BEETLE BEFORE PROCEEDING. COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK BEETLE Level 1, 1073 Pittwater Road, Collaroy NSW 2097 1:200 @ A1 **Landscape Plan - Ground Floor** FOR DA 02.02.20 JOB NUMBER DRAWING NUMBER / ISSUE Tel: 0422 104 416 BB 1253 L-DA-002 / E 04.10.21 FOR APPROVAL email: blackbeetle@blackbeetle.com.au

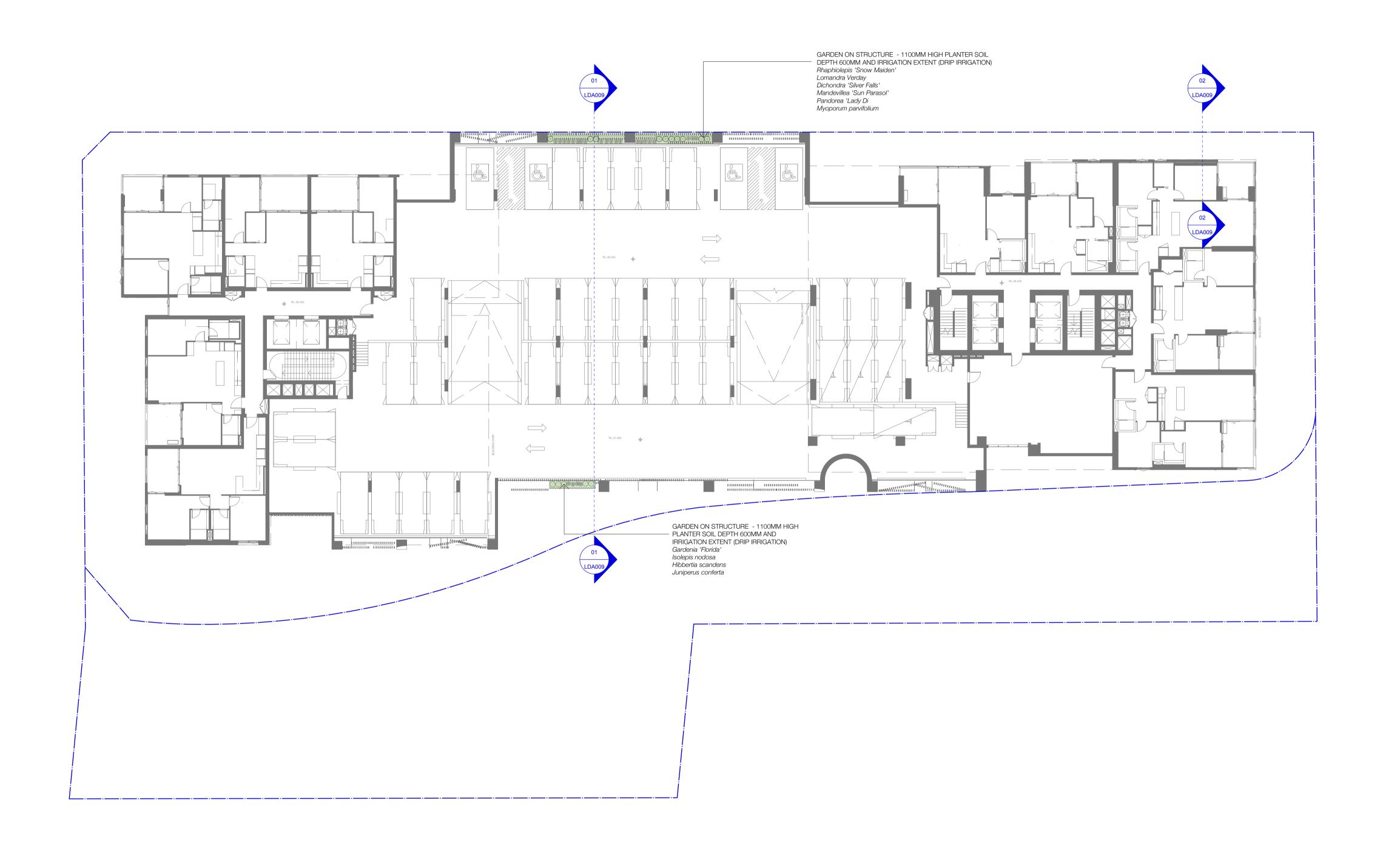


REV: DATE:	DOCUMENT STATUS/ AMENDMENTS	REFER TO L-DA-007 FOR NOTES AND PLANT SCHEDULE	NORTH	black beetle	PROJECT Penway Place Residential Precinct	Drawn  K / LT  L.Architect Authorised	TOGA Group
A 24.01.20	DA issue - 50%			Landscape Architecture and Design	634-652 High Street & 87-91 Union Road PENRITH, NSW	IK / GB	Status
B 18.02.20	DA issue - 75%				· · · · · · · · · · · · · · · · · · ·	1:200 @ A1	Development Application
C 28.02.20		1:200 @ A1	Level 1, 10	Black Beetle pty ltd 073 Pittwater Road, Collaroy NSW 2097	DRAWING TITLE  Landscape Plan - Level 1	DO NOT SCALE OFF THIS DRAWING - USE FIGURE WITH BLACK BEETLE BEFORE PROCEEDING.	JRED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK BEETLE
D 04.10.21	FOR APPROVAL	1.200 @ A1		Tel: 0422 104 416		JOB NUMBER BB 1253	L-DA-003 / D
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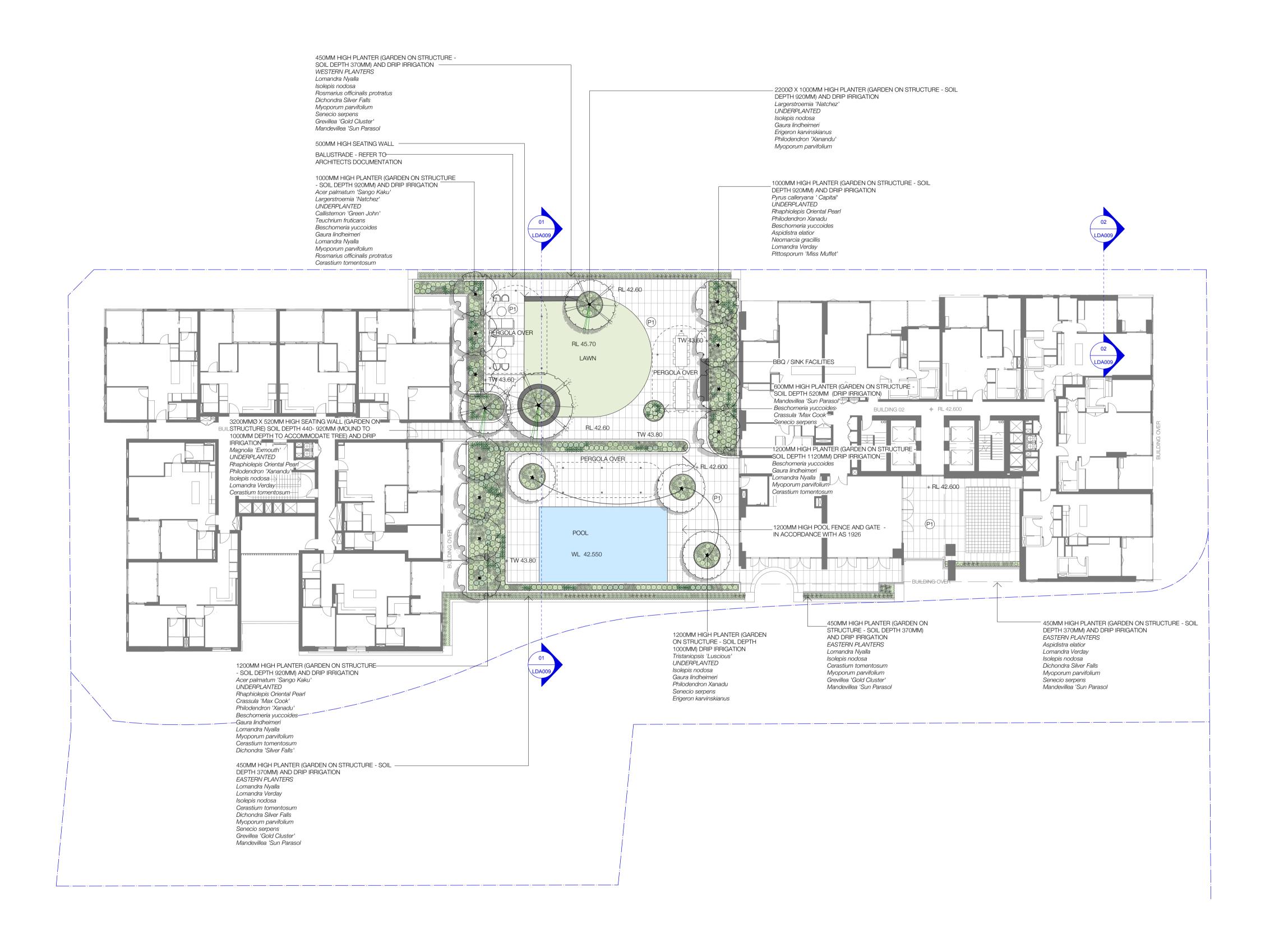
**NOT FOR CONSTRUCTION** 



# **NOT FOR CONSTRUCTION** Drawn IK / LT PROJECT REV: DATE: DOCUMENT STATUS/ AMENDMENTS REFER TO L-DA-007 FOR NOTES AND PLANT SCHEDULE TOGA Group Penway Place Residential Precinct L.Architect Authorised IK / GB 634-652 High Street & 87-91 Union Road 24.01.20 DA issue - 50% Landscape Architecture and Design PENRITH, NSW **Development Application** 18.02.20 DA issue - 75% 1:200 @ A1 DRAWING TITLE 28.02.20 FOR DA Black Beetle pty Itd DO NOT SCALE OFF THIS DRAWING - USE FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES WITH BLACK BEETLE BEFORE PROCEEDING. COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK BEETLE Level 1, 1073 Pittwater Road, Collaroy NSW 2097 1:200 @ A1 Landscape Plan - Level 2 04.10.21 FOR APPROVAL JOB NUMBER DRAWING NUMBER / ISSUE Tel: 0422 104 416 BB 1253 L-DA-004 / D email: blackbeetle@blackbeetle.com.au



# **NOT FOR CONSTRUCTION** Drawn IK / LT PROJECT REV: DATE: DOCUMENT STATUS/ AMENDMENTS REFER TO L-DA-007 FOR NOTES AND PLANT SCHEDULE TOGA Group L.Architect Authorised Penway Place Residential Precinct 634-652 High Street & 87-91 Union Road IK / GB 24.01.20 DA issue - 50% Landscape Architecture and Design PENRITH, NSW **Development Application** 18.02.20 DA issue - 75% 1:200 @ A1 Black Beetle pty Itd DRAWING TITLE DO NOT SCALE OFF THIS DRAWING - USE FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES WITH BLACK BEETLE BEFORE PROCEEDING. COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK BEETLE 28.02.20 FOR DA Level 1, 1073 Pittwater Road, Collaroy NSW 2097 1:200 @ A1 Landscape Plan - Level 3 04.10.21 FOR APPROVAL JOB NUMBER DRAWING NUMBER / ISSUE Tel: 0422 104 416 BB 1253 L-DA-005 / D email: blackbeetle@blackbeetle.com.au



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REV:	DATE:	DOCUMENT STATUS/ AMENDMENTS	REFER TO L-DA-007 FOR NOTES AND PLANT SCHEDULE	NORTH black to	neetle	PROJECT Penway Place Residential Precinct	Drawn  K / LT  L.Architect Authorised	Client TOGA Group
Α		DA issue - 50%			itecture and Design	634-652 High Street & 87-91 Union Road PENRITH, NSW	IK / GB	Status  Dovolonment Application
		POOL OPTION		DI.	lack Beetle pty Itd	DRAWING TITLE	1:200 @ A1	Development Application
C		DA issue - 75%	1:200 @ A1	Level 1, 1073 Pittwater Road, Co	ollaroy NSW 2097	Landscape Plan - Level 4	WITH BLACK BEETLE BEFORE PROCEEDI	FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES NG. COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK BEETLE
E	28.02.20 04.10.21	FOR DA FOR APPROVAL	0 2 5 10 15m	T email: blackbeetle@bla	Tel: 0422 104 416 ackbeetle.com.au	2013.	BB 1253	L-DA-006 / E

# **GENERAL NOTES / SPECIFICATION**

1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND ENGINEERING DRAWINGS, NOTE ALL LANDSCAPE HARDWORKS INCLUDING PAVING, STEPS, RETAINING WALLS AND FENCES TO ARCHITECTS

2. ALL PLANTING AREAS TO BE MULCHED, TYPICALLY 50MM DEPTH. ORGANIC MULCH TO CONFORM TO AS 4454-2012 COMPOST, SOIL CONDITIONERS AND MULCHES.

FERTILISER SHALL BE A SLOW RELEASE PELLETISED FORM SUITABLE FOR USE WITH AUSTRALIAN NATIVE PLANTS APPLIED AT THE MANUFACTURES RECOMMENDED RATE.

SOIL WETTING AGENT SHALL BE "AQUASOIL" OR "WETTASOIL" APPLIED AT A RATE OF 1 LITRE/ 1000 LITRES OF

- 3. SOILS TO CONFORM TO AS 4419-2018 SOILS FOR LANDSCAPING AND GARDENS USE.
- SOIL DEPTHS- PLANTING AREAS VARIES (300MIN 1120MM SOIL DEPTH) - ON STRUCTURE - MINIMUM 1000MM FOR TREE PLANTING
- ON STRUCTURE MINIMUM 300-500MM FOR GROUND COVERS AND SHRUBS - ON GRADE GARDEN - 300MM

GARDEN SOIL SHALL HAVE A PH BETWEEN 5.5 AND 7.0, EC< 1.2DS/M: 2-5CG/MG RATIO, 5-20MEQ % CEC, AND NUTRIENTS TO AS 3743 POTTING MIXES.

ALL PLANTING SOIL SHALL BE FREE OF RUBBISH, DEBRIS AND SUBSTANCES THAT ARE TOXIC TO LIVING ORGANISMS, OR WOULD OTHERWISE BE DECLARED CONTAMINATED. ALL IMPORTED GARDEN SOIL SHALL BE

PLANTING SOIL SHALL NOT BE WATER REPELLENT AND IT SHALL TAKE LESS THAN 53 SECONDS FOR A WATER DROPLET TO SOAK INTO DRY SOIL(REFERENCE: HANDRECK & BLACK).

THE CONTRACTOR SHALL ENSURE ANY INSTALLED SUB GRADES ARE NOT TOXIC TO NORMAL PLANT GROWTH OR UNNATURALLY OVERLY COMPACTED. ENSURE EXISTING SUB SOIL IS NOT TOXIC TO PLANT GROWTH, AND NOTIFY SUPERINTENDENT IMMEDIATELY IF THERE ARE ANY CONCERNS WITH REGARD TO THE SUB SOIL

ALL PLANTING SOIL TO BE CONSOLIDATED BUT NOT COMPACTED AND HAVE PARTICLE SIZES GREATER THAN THE SUBSOIL.

4. PLANT SUPPLY - THE PLANTS ARE TO BE VIGOROUS AND APPROPRIATELY ACCLIMATISED WITH A ROOTBALL THAT IS FULL BUT NOT RESTRAINED. TREE STOCK ARE TO BE GROWN AND CERTIFIED AS COMPLYING WITH NATSPEC'S "SPECIFYING TREES - A GUIDE TO ASSESSMENT OF TREE QUALITY", SECOND EDITION 2003 BY

PLANT INSTALLATION - THE TOPS OF ROOT BALLS ARE TO BE LEVEL WITH OR UP TO 50MM HIGHER THAN THE SURROUNDING SOIL LEVEL. CREATE WATERING "SAUCERS" AROUND ALL PLANTS FROM POTS LARGER THAN 5 LITRE (IE 200MM DIAMETER). DO NOT PILE UP MULCH AGAINST THE BASE OF THE PLANT STEM/TRUNK.

STAKING - REMOVE ALL NURSERY STAKES, TIES AND LABELS. THE ROOT BALL AND CANOPY ARE TO BE BALANCED AND THE STEM / TRUNK SUFFICIENTLY DEVELOPED SO THAT THE PLANTS STAY UPRIGHT WITHOUT THE NEED TO BE STAKED. DO NOT STAKE PLANTS UNLESS SPECIFICALLY NOTED TO DO SO OR UNLESS SPECIAL CIRCUMSTANCES REQUIRE A PLANT TO BE TEMPORARILY STAKED FOR STABILITY.

5. ALL PLANTING AREAS TO HAVE DRIP IRRIGATION SYSTEM WITH BACK UP PROTECTION TO THE MAIN SUPPLY, TO ALL CURRENT SYDNEY WATERS REQUIREMENTS AND RELEVANT AUSTRALIAN STANDARDS

SUPPLY - DESIGN, SUPPLY AND INSTALL A PERMANENT AUTOMATED SUB-SURFACE IRRIGATION SYSTEM.

EXTENT - THE SYSTEM IS TO COVER ALL NEW GARDENS. WATER IS TO BE DELIVERED VIA SUBSURFACE DRIP LINES BURIED BELOW THE FINISHED GROUND LEVEL TO GARDENS AND TREES AND VIA POPUP SPRAYS ON FLEXIBLE ARMS TO THE LAWN AREA.

CAPACITY - THE SYSTEM IS TO BE CAPABLE OF SUPPLYING 32MM OF WATER/WEEK OVER ALL AREAS. I

INSTALLATION - VALVE PITS ARE TO BE SET ON A 200MM DEEP BED OF GRAVEL FOR DRAINAGE. PIT COVERS ARE TO BE LEVEL WITH THE SOIL SURFACE. INCLUDE PLUMBING CONNECTION TO THE MAIN LINE, ALL VALVES AND BACKFLOW PREVENTION. LOCATE A CENTRAL MULTI-STATION CONTROLLER IN A LOCKABLE BOX AS DIRECTED BY THE PROJECT MANAGER. . A DEDICATED GPO IS TO BE PROVIDED BY THE BUILDER FOR THE CONTROLLER TO BE PLUGGED INTO.

6. MAINTAIN ALL WORKS DURING THE CONTRACT PERIOD FOR 52 WEEKS FROM THE DATE OF PRACTICAL COMPLETION INCLUDING. BUT NOT LIMITED TO WATERING, MOWING, WEEDING, RUBBISH REMOVAL. REPLACEMENT PLANTING, DISEASE AND PEST CONTROL, PRUNING, SOIL AND MULCH CONTROL REINSTATEMENT.

7. PROTECT ALL ADJOINING PROPERTY BUILDINGS, WALLS, FENCES AND PAVING. DAMAGED ELEMENTS ARE TO BE REPLACED.

8. THERE ARE TO BE NO SHARP PROTRUSIONS OR ABRASIVE EDGES, OBTRUSIVE FITTINGS OR FIXTURES.

9. GENERALLY PAVEMENTS ARE TO FALL AT 1% TO 2% UNLESS NOTED OTHERWISE.

10. PROVIDE CONDUITS THROUGH WALLS / PAVEMENTS AS REQUIRED FOR SERVICES.

11. ALL STRUCTURAL DETAILS OF FOOTINGS, SLABS, WALLS AND THE LIKE ARE TO BE REFERRED TO AN ENGINEER TO PROVIDE DETAILS AND SPECIFICATION.

12. LEVELS SHOWN ARE FINISHED SURFACE LEVELS. GRADE AND TRIM LOCALLY TO ENSURE THE FINISHED

13. SOIL LEVELS IN GARDEN AREAS TO FINISH 50MM BELOW ADJACENT WALLS/ PAVEMENTS UNLESS NOTED

14. MATERIAL SAMPLES AND PRODUCT INFORMATION- MATERIALS AND WORKMANSHIP ARE TO CONFORM TO THE CURRENT EDITION OF APPLICABLE REQUIREMENTS OF AUSTRALIAN STANDARD SPECIFICATIONS AND

15. REFER TO ARBORIST REPORT REGARDING RETENTION AND REMOVAL OF TREES

16. GREEN WASTE REMOVAL - ALL GREEN WASTE GENERATED BY THE MAINTENANCE WORK SHALL BE CONTAINED WITHIN THE IMMEDIATE WORK AREA, AND SHALL NOT LEAK INTO ADJACENT AREAS, OR OUTSIDE THE SITE. ALL DEBRIS SHALL BE CONTAINED AND REMOVED FROM SITE TO AN APPROVED CERTIFIED TIPPING AND LEGAL RECYCLING DEPOT LOCATION USING SUITABLE CLOSED WASTE CONTAINERS AND VEHICLES.

# MAINTENANCE PLAN

THE OBJECTIVE OF THIS MAINTENANCE PLAN IS TO OUTLINE THE MAINTENANCE REQUIREMENTS OF THE DEVELOPMENT AND ENABLE A DEFINED SCOPE OF MAINTENANCE ACTIVITIES TO BE REGULARLY UNDERTAKEN. A DETAILED MAINTENANCE PLAN TO BE PREPARED AS PART OF THE CONSTRUCTION CERTIFICATE DOCUMENTATION.

MAINTENANCE INCLUDE WATERING, WEEDING, MOWING PEST AND DISEASE CONTROL, REPLACING FAILED PLANTS, SOIL AND MULCH REPLENISHMENT, CULTIVATING, PRUNING, REPAIRING EROSION AND RECTIFYING STORM DAMAGE. SWEEP AND/OR REMOVE FALLEN BRANCHES AND LEAF LITTER(INCLUDING THE AUTUMN LEAF DROP) AND OTHER GARDEN DEBRIS. MAINTENANCE OF THE SITE IS TO ALSO INCLUDE THE PUBLIC

IT IS EXPECTED THAT THE CONTRACTOR SHALL TAKE A PROACTIVE AND DILIGENT APPROACH TO ALL MAINTENANCE ACTIVITIES AND ENCOURAGE ALL STAFF AND SUB-CONTRACTORS TO PICKUP ANY OBVIOUS LITTER FOUND THROUGHOUT THE MAINTAINED AREAS. SIMILARLY BE VIGILANT IN LOOKING FOR AND REPORTING ANY NOTED INCIDENCE OF VANDALISM, BREAKAGES, DAMAGE AND GRAFFITI ETC.

KEEP A LOGBOOK RECORDING WHEN AND WHAT MAINTENANCE WORK HAS BEEN DONE AND WHAT MATERIALS, INCLUDING TOXIC MATERIALS, HAVE BEEN USED. THIS LOG BOOK IS TO BE GIVEN TO THE PROJECT MANAGER/ OR COMMUNITY ASSOCIATION AND MADE AVAILABLE FOR INSPECTION ON REQUEST.

AT LEAST TWO WEEKS PRIOR TO PRACTICAL COMPLETION SUBMIT A PROGRAM OUTLINING PROPOSED MAINTENANCE REGIME DURING THE PLANT ESTABLISHMENT PERIOD, INCLUDING ANTICIPATED FREQUENCY AND DURATION OF INDIVIDUAL TASKS. REVISE PROGRESSIVELY TO ENSURE THE OPTIMAL MAINTENANCE REGIME IS IMPLEMENTED AND SUBMIT ON A MONTHLY BASIS.

ALL PLANTED AREAS SHALL BE ADEQUATELY WATERED TO KEEP THEM HEALTHY AND GROWING VIGOROUSLY. THE MINIMUM ACCEPTABLE WATERING REQUIREMENT SHALL EQUAL 25 MM OF NATURAL RAINFALL OR ITS APPLIED EQUIVALENT, OR A COMBINATION OF BOTH, DURING EACH PERIOD OF ONE WEEK, EXCEPT IN PERIODS OF HEAVY RAIN. VARY THE WATERING REQUIREMENT TO SUIT SEASONAL CONDITIONS AND MAINTAIN HEALTHY PLANT MATERIAL AND GRASS AREAS IN OPTIMUM CONDITION.

# PEST AND DISEASE

ALL LANDSCAPE AREAS INCLUDING TREES ARE TO BE VISUALLY INSPECTED FOR THE PRESENCE OF PERSISTENT AND DAMAGING INSECT PESTS OR DISEASES. THE CONTRACTOR SHALL REPORT ANY INCIDENCE OF INSECT ATTACK OR EVIDENCE OF DISEASE AMONGST PLANT MATERIAL ALONG WITH A RECOMMENDED CONTROL AND ACTION TO BE UNDERTAKEN

FERTILIZER SHALL BE SUPPLIED AND APPLIED EVENLY TO ALL LANDSCAPE AREAS ENSURE OPTIMUM PLANT GROWTH, HEALTH AND DISEASE RESISTANCE THROUGH THE PROVISION OF ALL ESSENTIAL MACRO AND MICRO NUTRIENTS COMMONLY REQUIRED BY PLANTS AND THEREBY PREVENT ANY SYMPTOMS ASSOCIATED WITH NUTRIENT DEFICIENCIES.

THE CONTRACTOR SHALL MONITOR ALL TREE AND ASSOCIATED LANDSCAPE WORKS FOR THE DURATION OF THE MAINTENANCE PERIOD. THIS WILL GENERALLY INCLUDING WATERING, FAILED PLANT REPLACEMENT , PEST AND DISEASE CONTROL, PRUNING, SOIL CONTROL, MOWING, WEED CONTROL, SOIL PH CORRECTION AND FERTILIZATION. CARRY OUT MAINTENANCE ACTIVITIES FOR ALL NEW GARDEN AREAS AS REQUIRED TO ENSURE THE PLANT BECOME ESTABLISHED WITHIN THE MAINTENANCE PERIOD AND ARE KEPT IN A HEALTHY AND TIDY STATE IN ACCORDANCE WITH BEST HORTICULTURAL PRACTICES.

SHALL BE UNDERTAKEN WITHIN 7 DAYS OF PLANT BEING IDENTIFIED AS FAILED OR UNACCEPTABLY DAMAGED. NOTE, SERVE WILTING OR WATER LOGGING LEADING TO DEATH OF FOLIAGE, BREAKAGE OR WOUNDING OF MAIN STEM, DAMAGE OF APICAL LEADERS OR DAMAGE TO SIGNIFICANT ORDER OF BRANCHES SHALL BE DEEMED TO CONSTITUTE FAILURE.

# HARDSCAPE / FURNITURE AND FIXINGS

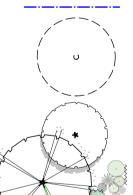
ENSURE ALL EXTERNAL HARDSCAPE AREAS INCLUDING FURNITURE AND FIXINGS ARE MAINTAINED IN A SAFE, CLEAN, NEAT AND TIDY CONDITION THAT PROMOTES THEIR USE AND ENJOYMENT, INSPECT ALL HARDSCAPE AND FURNITURE AND FIXTURES ITEMS FOR DAMAGE OR VANDALISM AND REPORT ANY FAULTS OR DAMAGE. MAKE ARRANGEMENT TO FIX ANY MINOR ISSUES.

REGULARLY INSPECT, MONITOR AND ADJUST IRRIGATION AND WATERING SYSTEM TO ENSURE PROPER OPERATION AND COVERAGE AND RECTIFY ANY LEAKS, BLOCKAGES OR BREAKAGES IN A TIMELY FASHION. IF REQUIRED, UNDERTAKE PRESSURE TESTING OR FLUSHING TO IDENTIFY AND/OR ADDRESS ANY SYSTEM MALFUNCTION. THE CONTRACTOR SHALL REPAIR THE SYSTEM DUE TO VANDALISM, UNAUTHORIZED USE AND BREAKAGE. IF VANDALISM OR BREAKAGE IS A PERSISTENT OR A LARGE-SCALE PROBLEM, THE CONTRACTOR SHALL KEEP A RECORD OF COMPONENTS REPLACED OR RECTIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLEMENTARY WATERING DUE TO ANY INADEQUACIES WITH THE SYSTEM, AND ADDRESS LEAKS IMMEDIATELY.

BOTANICAL NAME	COMMON NAME	HEIGHT	POT SIZE	SPACING
TREES				
Acer palmatus 'Sango Kaku'	Sango Kaku Japanese Maple	6M	200L	as indicated
Corymbia maculata	Spotted Gum	20M	200L	as indicated
Corymbia 'Summer Red'	Summer Red Flowering Gum	5M	200L	as indicated
Fraxinus 'Urbanite'	Urbanite Ash	10M	200L	as indicated
Largerstromia 'Natchez'	Natchez Crepe Myrtle	8M	400L	as indicated
Magnolia 'Exmouth'	Exmouth Magnolia	12M	400L	as indicated
Pyrus calleryana 'Capital'	Capital Ornamental Pear	8M	400L	as indicated
Tristaniopsis laurina 'Luscious'	Luscious Water Gum	12M	400L	as indicated
SHRUBS AND CLIMBERS				
Aspidistra elatior	Cast Iron Plant	0.7M	200MM	3/sq.m
Beschorneria yuccoides	Mexican Lily	1M	300MM	3/sq.m
Blechnum Silver Lady	Silver Lady Fern	0.6M	200MM	3/sq.m
Callistemon 'Green John'	Green John Bottlebrush	1M	300MM	3/sq.m
Cerastium tomentosum	Snow In Summer	0.15M	150MM	5/sq.m
Cissus antarctica	Kangaroo Vine	10M	200MM	5/sq.m
Cissus rhombifolia	Grape Ivy	3M	200MM	5/sq.m
Crassula Max Cook	Max Cook Jade	1M	300MM	3/sq.m
 Dichondra 'Silver Falls'	Silver Falls Kidney Weed	0.2M	150MM	6/sq.m
Dichondra repens	Kidney Weed	0.1M	100MM	6/sq.m
Doryanthes excelsa	Gymea Lily	1.2M	300MM	2/sq.m
Erigeron karvinskianus	Seaside Daisy	0.2M	100MM	6/sq.m
Gardenia augusta 'Florida'	Florida Gardenia	1M	300MM	3/sq.m
Gaura lindheimeri	Butterfly Bush	0.8M	150MM	3/sq.m
Grevillea 'Gold Cluster'	Gold Cluster Greveillea	0.4M	150MM	3/sq.m
Hibbertia scandens	Snake Vine	5M	150MM	5/sq.m
Isolepis nodosa	Knobby Club Rush	0.6M	150MM	4/sq.m
Juncus usitatus	Tussock Rush	1M	150MM	4/sq.m
Juniperus conferta	Shore Juniper	0.4M	150MM	5/sq.m
Lomandra fluviatilis 'Shara'	Shara Mat Rush	0.4M	150MM	4/sq.m
Lomandra 'Nyalla'	Nyalla Mat Rush	0.7M	150MM	4/sq.m
Lomandra 'Verday'	Verday Mat Rush	0.6M	150MM	4/sq.m
Liriope muscari	Lily Turf	0.4M	150MM	4/sq.m
Mandevilla 'Sun Parasol'	Giant White Mandevilla	5M	200MM	5/sq.m
Myoporum parvifolium	Creeping Boobiala	0.1M	150MM	6/sq.m
Neomarcia gracillis	Walking Iris	0.7M	200MM	5/sq.m
Pandorea 'Lady Di'	Lady Di Bower of Beauty	5M	200MM	3/sq.m
Philodendron 'Xanadu'	Xanadu	1M	300MM	3/sq.m
Pittosporum 'Miss Muffet'	'Miss Muffet' Pittosporum	1M	300MM	3/sq.m
Rhaphiolepis indica 'Oriental Pearl'	Oriental Pearl Indian Hawthorn	1M	300MM	3/sq.m
Rhaphiolepis indica 'Snow Maiden'	Snow Maiden Indian Hawthorn	1M	300MM	3/sq.m
Rosmarinus officinalis prostratus	Prostrate Rosemary	0.3M	150MM	3/sq.m
Russelia equisetiformis	Coral Plant	1.5M	150MM	3/sq.m
·		0.2M		
Senecio serpens	Blue Chalk Sticks		150MM	5/sq.m
Teuchrium fruticans	Tree Germander	1.2M	300MM	3/sq.m
Trachelospermum jasminoides	Star Jasmine	5M	150MM	5/sq.m
Trachelospermum 'Tricolor' Viola hederacea	Star Jasmine Tricolor  Native Violet	5M 0.2M	150MM 100MM	5/sq.m 6/sq.m

Acer Palmatum 'Sango Kaku' SANGO KAKU JAPANESE MAPLE	Corymbia maculata SPOTTED GUM	Corymbia Summer Red SUMMER RED FLOWERING GUM	Fraxinus 'Urbanite' URBANITE ASH	Lagerstroemia indica 'Watchez'' NATCHEZ CREPE MYRTLE	Magnolia exm MAGNOLIA
Pyrus calleryana Capital ORNAMENTAL PEAR	Tristaniopsis laurina 'Luscious' 'LUSCIOUS' WATER GUM	Aspidistra elatior CAST IRON PLANT	Beschorneria yuccoides MEXICAN LILY	Blechnum 'Silver Lady' SILVER LADY FERN	Callistemon GREEN JOHN
Cerastium tomentosum SNOW IN SUMMER.	Cissus antarctica KANGAROO VINE	Cissus rhombifolia GRAPE LEAF IVY	Crassula 'Max Cook'	Dichondra argentea 'Silver Falls' SILVER FALLS KIDNEY WEED	Dichondra re
Doryanthes excelsa GYMEA LILY	Erigeron Karvinsklanus SEASIDE DAISY	Gardenia augusta GARDENIA	Gaura lindheimeri BUTTERFLY BUSH	Grevillea 'Gold Cluster' GOLD CLUSTER GREVILLEA	Hibbertia sce SNAKE VINE
Isolepis nodosa KNOBBY CLUB RUSH	Juncus usitatus TUSSOCK RUSH	Juniperus conferta SHORE JUNIPER	Lomandra fluviatilis 'Shara' SHARA MAT RUSH	Lomandra longifolia 'Nyalla' NYALLA MAT RUSH	Lomandra W. VERDAY MAT
Liriope muscari LILY TURF	Mandevilla 'Sun Parasol' GIANT WHITE MANDEVILLA	Myoporum parvifolium 'Yareena' YAREENA CREEPING BOOBIALLA	Neomarica gracillis WALKING IRIS	Pandorea jasminoides 'Lady Di' LADY DI BOWER OF BEAUTY	Philodendror XANADU
Pittosporum 'Miss Mullet' MISS MUFFET	Raphiolepis Oriental Pearl' ORIENTAL PEARL	Rhaphiolepis 'Snow Maiden' SNOW MAIDEN HAWTHORN	Rosmarius officinalis 'Prostratus' PROSTRATE ROSEMARY	Russelia equisetiformis CORAL PLANT	Senecio serp

# **LEGEND**



**BOUNDARY LINE** 

EXISTING TREE TO BE REMOVED. REFER TO

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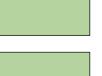
ARBORIST DOCUMENTATION. TREE ID NO.

PROPOSED TREES // SHRUBS / GRASSES AND GROUNDCOVER.

P1 - PAVEMENT TYPE 1 - 600 x 300 x 40MM CONCRETE UNIT PAVEMENT-(STACK BOND PATTERN) OVER SUSPENDED FRAMING SYSTEM

P2 - PAVEMENT TYPE 2 - COMPOSITE CONCRETE PAVEMENT - PAVEMENT TYPE 2 IN ACCORDANCE WITH PENRITH CITY COUNCIL PUBLIC DOMAIN (SECONDARY STREET)

P3 - PAVEMENT TYPE 3 - INSITU CONCRETE PAVEMENT - PAVEMENT TYPE 3 IN ACCORDANCE WITH PENRITH CITY COUNCIL PUBLIC DOMAIN MANUAL (TERTIARY STREET)



PLANTING ON GRADE (300MM IMPORTED PREMIUM GARDEN MIX OVER CULTIVATED BASE) AND IRRIGATION EXTENT (DRIP IRRIGATION)



LAWN ON STRUCTURE - 300MM (SOIL DEPTH 200MM) AND POP UP SPRAY IRRIGATION EXTENT (DRIP IRRIGATION)

GARDEN ON STRUCTURE - 400-1200MM PLANTER, SOIL DEPTH 320-1120MM AND DRIP IRRIGATION EXTENT (DRIP IRRIGATION)

PLANTER / RETAINING WALL.

BENCH - 500MM HIGH PROPOSED BENCH SEATING.



STRIP DRAIN AND STORMWATER PITS REFER TO ENGINEERS DOCUMENTATION

RL 8.50 RL 2.97 (e)

EXISTING LEVEL TP 9.00 TOP OF PLANTER

TW 3.700 B 9.00

TOP OF WALL TOP OF BENCH

PROPOSED LEVEL

Landscape Architecture and Design

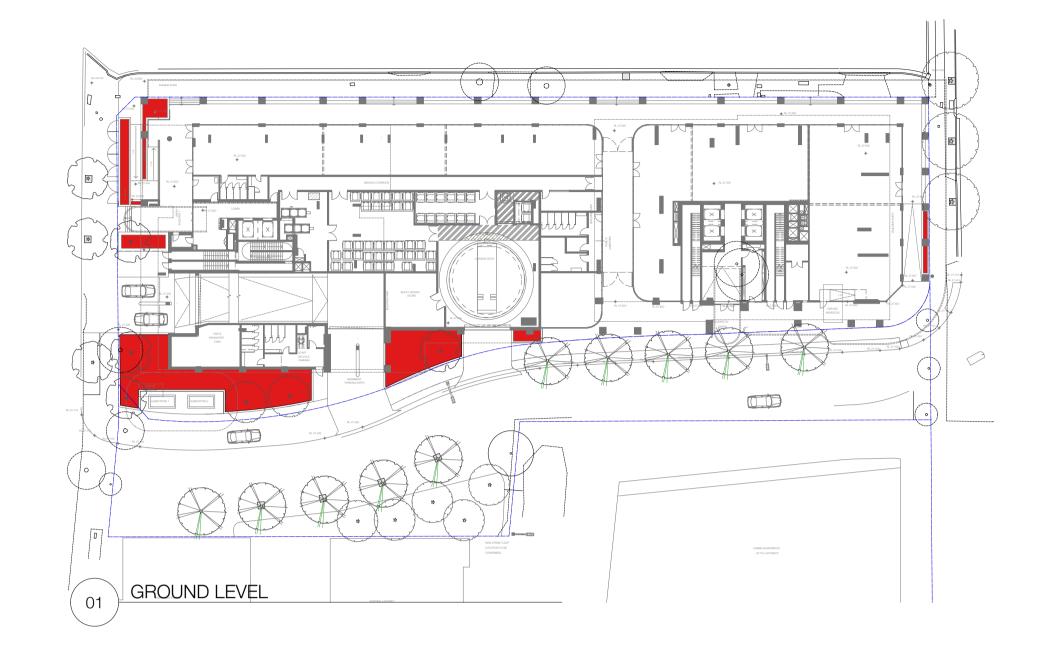
Black Beetle pty Itd Level 1, 1073 Pittwater Road, Collaroy NSW 2097 Tel: 0422 104 416 email: blackbeetle@blackbeetle.com.au

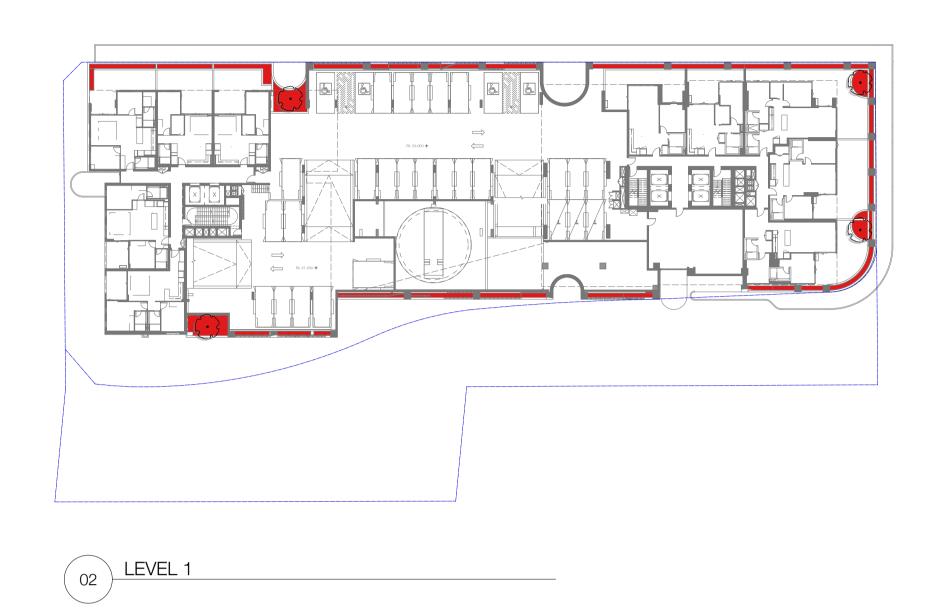
PROJECT **Penway Place Residential Precinct** 634-652 High Street & 87-91 Union Road PENRITH, NSW DRAWING TITLE

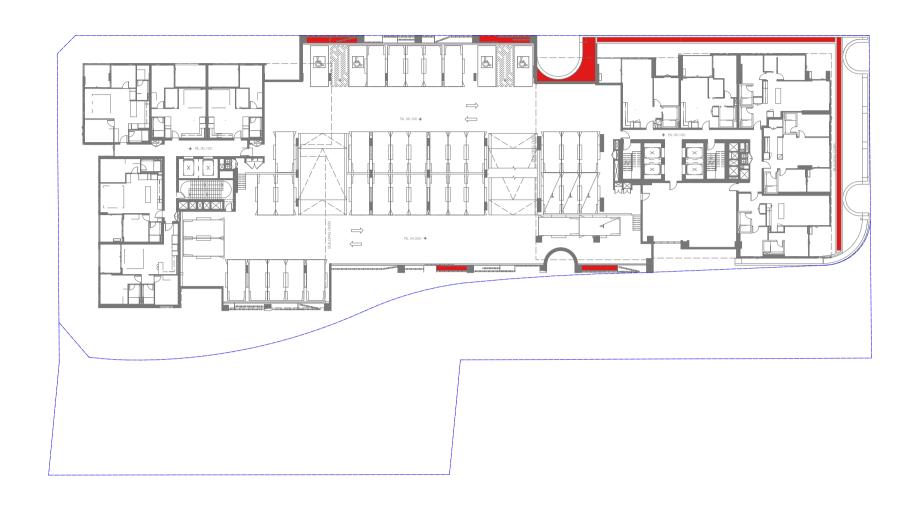
**Notes & Plant Schedule** 

NOT FOR CONSTRUCTION					
Drawn IK / LT	Client				
L.Architect Authorised IK / GB	TOGA Group				
Scale	Status				
1:200 @ A1	Development Application				
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JOB NUMBER BB 1253	DRAWING NUMBER / ISSUE L-DA-007 / C				

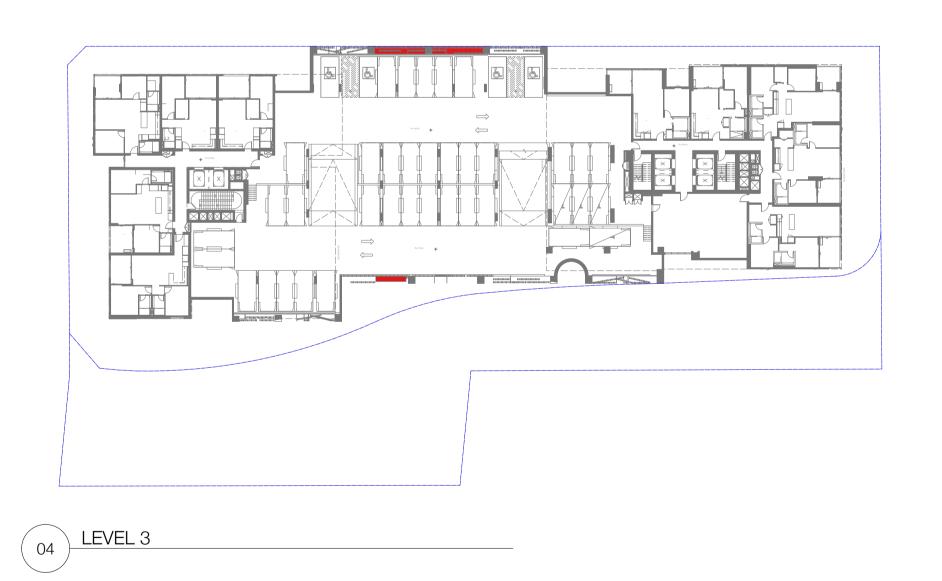
# DATE: **DOCUMENT STATUS/ AMENDMENTS** 18.02.20 DA issue - 75% FOR DA 28.02.20 04.10.21 FOR APPROVAL

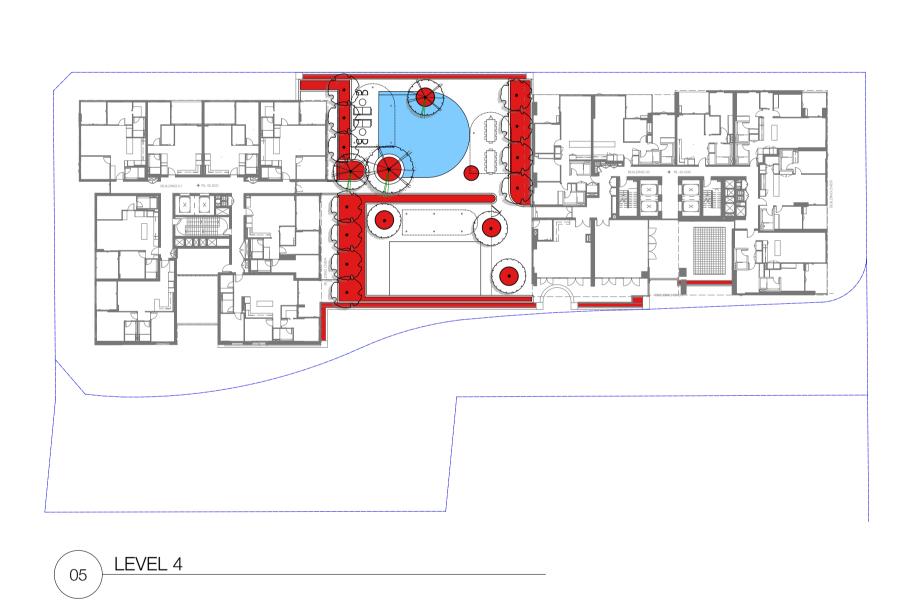






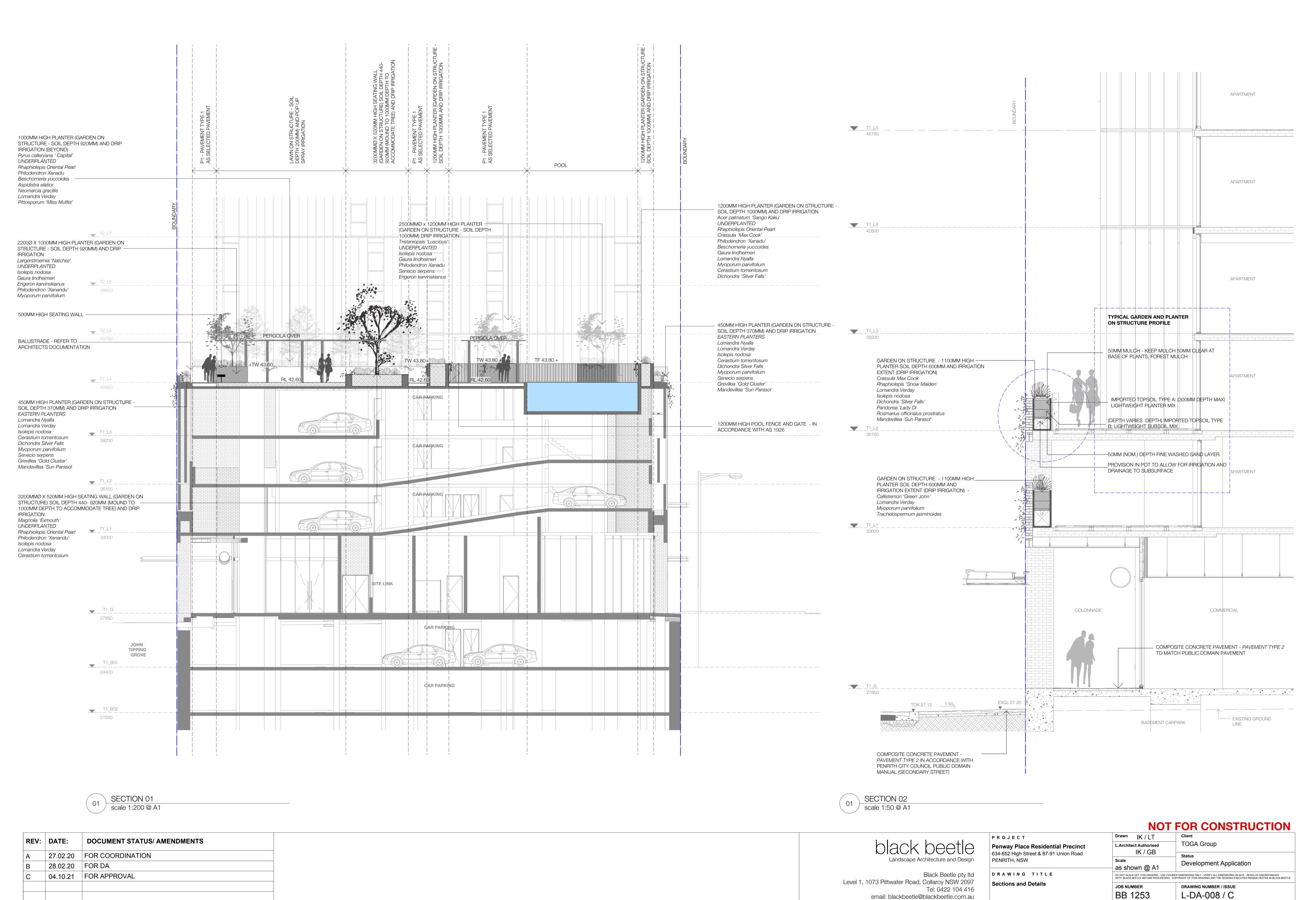
03 LEVEL 2





	Area Schedule		
Level	Unit No.	Lawn Area	Garden Area
Ground Floor	Common	0	224
Level 01	Common	0	76.5
	A103	0	6.5
	A104	0	4
	A105	0	7
	B101	0	6.5
	B102	0	4
	B103	0	18.5
	B104	0	6
	B105	0	15
Level 02	Common	0	33.5
	B201	0	7
	B202	0	5
	B203	0	14
	B204	0	6.5
	B205	0	5
Level 03	Common	0	16
Level 04	Common	109.5	229
	<b>Total Communal</b>	109.5	579
	Total Private	0	98

			NOT	FOR CONSTRUCTION
REV: DATE: DOCUMENT STATUS/ AMENDMENTS	black beetle	PROJECT Penway Place Residential Precinct	Drawn  K / LT  L.Architect Authorised	TOGA Group
A 27.02.20 FOR COORDINATION B 28.02.20 FOR DA	Landscape Architecture and Design	634-652 High Street & 87-91 Union Road	Scale	Status  Development Application
C 04.10.21 FOR APPROVAL	Black Beetle pty Itd Level 1, 1073 Pittwater Road, Collaroy NSW 2097	DRAWING TITLE  Landscape Areas	1:500 @ A1  DO NOT SCALE OFF THIS DRAWING - USE FIGURENT BLACK BEETLE BEFORE PROCEEDING. (1)	RED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK BEETLE
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