

NOTE: SURVEY PREPARED BY SUMIT GEOMATIC, 09/04/2021  
 LEVEL DATUM AHD  
 REF. NO. 6153

DATE	JOB NUMBER	DRAWING NUMBER
22.08.2022	20220303	LDA-01
PROJECT	4 STRINGER PLACE	
	GATLANDS, NSW 2117	
SCALE 1:200 (A3)	0	2
	4	6
	8m	A

ISSUE	DATE	DESCRIPTION	DRAWN	REVIEW	DRAWING
A	22.08.22	ISSUE FOR DA	WL	RL	

NOTE  
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LANDSCAPE ARCHITECT  
**GROUND INK**  
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**SITE PLAN**

**LEGEND**

- SITE BOUNDARY
- 1800MM HIGH BOUNDARY FENCING
- LINE OF BUILDING ABOVE
- EASEMENT LINE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE RETAINED
- FFL FINISH FLOOR LEVEL
- + EX EXISTING SPOT LEVEL
- + RL PROPOSED SPOT LEVEL
- + TW PROPOSED TOP OF WALL LEVEL

- 1 LARGE IN-SITU CONCRETE CASCADING STAIRS WITH IN BUILT LIGHTING
- 2 EXISTING SURFACE
- 3 PROPOSED OPEN TURF AREA
- 4 PROPOSED LOW MIXED PLANTING
- 5 PROPOSED CORTEN STEEL RETAINING WALL
- 6 PROPOSED FEATURE PLANTING
- 7 PROPOSED TEXTURED CONCRETE WALL FOR PRIVACY
- 8 PROPOSED TEXTURED CONCRETE BUND WALL TO DIVERT EXCESS WATER MOVEMENT TO EASEMENT
- 9 PROPOSED TEXTURED CONCRETE FEATURE WALL
- 10 EASEMENT TO LOWER 100MM BELOW EXISTING LEVELS AS PER OVERLAND FLOW RISK ASSESSMENT BY STELLIAN CONSULTING (17/06/2022)
- 11 DRY STACK SANDSTONE WALL OVER EASEMENT TO RETAIN LEVELS AND REDUCE OVERLAND FLOW VELOCITY WHEN NEEDED



LANDSCAPE ARCHITECT		DATE	JOB NUMBER	DRAWING NUMBER	
<p><b>GROUND INK</b>            SUITE 201/75 ARCHER ST, CHATSWOOD NSW 2067            PH. (02) 9411 3279   WWW.GROUNDINK.COM.AU            © GROUND INK PTY LTD THIS DESIGN AND DRAWING IS PROTECTED BY COPYRIGHT.</p>		22.08.2022	20220303	<b>LDA-02</b>	
		<p>PROJECT  <b>4 STRINGER PLACE</b>            GATLANDS, NSW 2117</p>			NORTH
<p>VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. REPORT ALL DISCREPANCIES TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DRAWINGS. ALL WORK IS TO CONFORM TO RELEVANT AUSTRALIAN STANDARDS AND OTHER CODES AS APPLICABLE. LOCATION OF UNDERGROUND SERVICES TO BE PROVEN ON SITE AND PROTECTED IF NECESSARY PRIOR TO CONSTRUCTION. DIAL BEFORE YOU DIG. PLANT SPECIES AND QUANTITIES SHOWN ARE INDICATIVE ONLY AND ARE SUBJECT TO CHANGE BASED ON FUTURE PROJECT REQUIREMENTS.</p>		<p>NOTE</p>		<p>SCALE 1:100 (A3)            0 1 2 3 4m</p>	
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A	22.08.22	ISSUE FOR DA	WL	RL	
<b>LANDSCAPE PLAN</b>					

## PLANT SCHEDULE

BOTANICAL NAME (COMMON NAME)	MATURE HEIGHT	NATIVE	POT SIZE	SPACING	QTY.
<b>SHRUBS</b>					
ADANTUM PEDATUM (MAIDENHAIR FERN)	0.3M	✓	150MM	6/M2	38
ALCANTAREA IMPERIALIS RUBRA	1M		500MM	AS SHOWN	5
ASPLENIUM NIDUS (BIRDS NEST FERN)	1M	✓	300MM	1/M2	10
CARISSA 'DESERT STAR'	1M		300MM	AS SHOWN	11
DRACAENA TRIFASCIATA - FKA SANSEVERIA (SNAKE PLANT)	0.8M		300MM	5/M2	10
FARFUGIUM JAPONICUM (LEOPARD PLANT)	1M		300MM	3/M2	9
PHILODENDRON 'BLACK CARDINAL'	0.6M		300MM	3/M2	22
PHILODENDRON 'XANADU'	0.5M		300MM	3/M2	16
<b>GRASSES, CLIMBERS &amp; GROUNDCOVERS</b>					
DICHONDRA REPENS (KIDNEY WEED)	0.05M	✓	TUBESTOCK	10/M2	32
OPHIPOGON JAPONICUS (MONDO GRASS)	0.2M		140MM	8/M2	35



DRACAENA



CARISSA



ASPLENIUM



PHILODENDRON X



ALCANTAREA



PHILODENDRON B



ADANTUM



FARFUGIUM

## GROUNDCOVERS



DICHONDRA



OPHIPOGON

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DRAWING

**PLANT PALETTE**

DATE  
**22.08.2022**

JOB NUMBER  
20220303

DRAWING NUMBER  
**LDA-03**

PROJECT  
**4 STRINGER PLACE**  
GATLANDS, NSW 2117

REVISION  
**A**

**OUTLINE LANDSCAPE SPECIFICATION**

**GENERAL**  
 MAINTENANCE SHALL MEAN THE CARE AND MAINTENANCE OF THE LANDSCAPE WORKS BY ACCEPTED HORTICULTURAL PRACTICE AS RECTIFYING ANY DEFECTS THAT BECOME APPARENT IN THE LANDSCAPE WORKS UNDER NORMAL USE. THE LANDSCAPE CONTRACTOR SHALL ATTEND THE SITE ON A WEEKLY BASIS TO MAINTAIN THE LANDSCAPE WORKS FOR THE FULL TERM APPROVED AT CC STAGE OF THE MAINTENANCE PERIOD (COMMENCING FROM PRACTICAL COMPLETION).

**RUBBISH REMOVAL**  
 DURING THE TERM OF THE MAINTENANCE PERIOD THE LANDSCAPE CONTRACTOR SHALL UNDERTAKE RUBBISH REMOVAL FROM THE SITE ON A WEEKLY BASIS TO ENSURE THE SITE REMAINS IN TIDY CONDITION.

**WEED ERADICATION**  
 WEED GROWTH THAT MAY OCCUR IN PLANTED OR MULCHED AREAS IS TO BE REMOVED USING ENVIRONMENTALLY ACCEPTABLE METHODS (E.G. NON-RESIDUAL GLYPHOSATE HERBICIDE (E.G. 'ROUNDUP' APPLIED IN ACCORDANCE WITH THE MANUFACTURERS DIRECTIONS) OR HAND WEEDING).

**TREE REPLACEMENT**  
 TREES SHALL SHOW SIGNS OF HEALTHY VIGOROUS GROWTH AND BE FREE FROM DISEASE AND NOT EXHIBIT SIGNS OF STRESS PRIOR TO HANDOVER TO THE CLIENT. ANY TREES OR PLANT THAT DIE OR FAIL TO THRIVE, OR ARE DAMAGED OR STOLEN WILL BE REPLACED. REPLACEMENT MATERIAL SHALL HAVE THE MAINTENANCE PERIOD EXTENDED IN ACCORDANCE WITH THE LANDSCAPE CONTRACT CONDITIONS. TREES AND PLANT MATERIALS SHALL BE EQUAL TO THE MINIMUM REQUIREMENTS OF SPECIES SPECIFIED AND APPROVED MATERIAL DELIVERED TO SITE. SHOULD THE CONDITION DECLINE FROM THE APPROVED SAMPLE THE SUPERINTENDENT RESERVES THE RIGHT TO REJECT THE TREE / PLANTS.

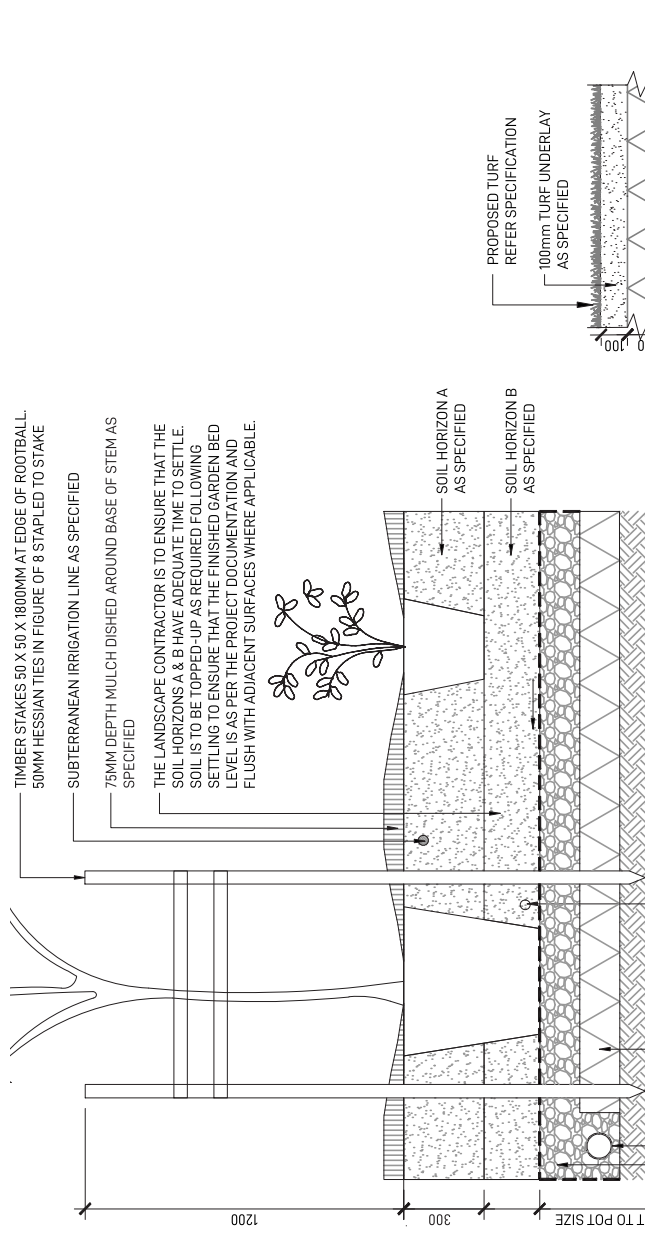
**PRUNING**  
 SELECTIVE PRUNING MAY BE REQUIRED DURING THE ESTABLISHMENT PERIOD TO PROMOTE A BALANCED CANOPY STRUCTURE. THESE ACTIVITIES SHALL BE CARRIED OUT TO THE BEST HORTICULTURAL AND INDUSTRY PRACTICE. ALL PRUNED MATERIAL IS TO BE REMOVED FROM SITE.

**IRRIGATION**  
 A LOW VOLUME DRIP IRRIGATION SYSTEM MAY BE INSTALLED AT THE DISCRETION OF THE DEVELOPER. POSITION OF CONTROL BOX, SOLENOIDS AND IRRIGATION CONDUITS TO BE DESIGNED BY QUALIFIED IRRIGATION ENGINEER AT CC STAGE. CONTROLLERS SHALL BE MOUNTED ON A STABLE WALL, POWER RACK, OR FORMED AND CONSTRUCTED CONCRETE BASED PEDESTAL MOUNT. PERFORMANCE SPECIFICATION TO BE PROVIDED BY LANDSCAPE ARCHITECT. NOMINALLY 25MM DELIVERED TO PLANT AREAS EACH WEEK DURING ESTABLISHMENT. IRRIGATION ON WEATHER CONDITIONS. AFTER ESTABLISHMENT, IRRIGATION RATES CAN BE DECREASED IN CERTAIN AREAS OF THE LANDSCAPE DEPENDING ON THE SPECIES.

**WATERING**  
 IMPLEMENT AN APPROPRIATE HAND WATERING REGIME IN AREAS NOT IRRIGATED IN ASSOCIATION WITH CURRENT WATERING PROGRAMME TO MAINTAIN PLANT HEALTH AND VIGOUR. THE PROGRAM SHALL REFLECT SEASONAL CONDITIONS AND PLANT SPECIES.  
 FREQUENCY: WEEKLY OR AS REQUIRED.

**DRAINAGE**  
 ALL LANDSCAPE AREAS ARE TO HAVE POSITIVE DRAINAGE TO SITE SYSTEMS. IF AREAS OF POOR DRAINAGE ARE IDENTIFIED ON SITE THEN THIS SHOULD BE BROUGHT TO THE SITE SUPERINTENDENTS ATTENTION. INSTALL AGG LINES IF REQUIRED.

**SOILS**  
 HORIZON A - GARDEN BEDS ON NATURAL GROUND  
 A SANDY LOAM TO CLAY LOAM TOPSOIL MIX DESIGNED FOR GENERAL PURPOSE, ON-GRADE LANDSCAPE GARDEN BED PLANTING OF TREES, SHRUBS AND PERENNIALS. THE MIXTURE SHALL BE BAGGED AT SOURCE. SOILS SHALL BE GROWN IN AND ARE NOT SUBJECT TO COMPACTION BY PEDESTRIAN AND OTHER FOOT TRAFFIC - HEAVIER TEXTURED SOILS IN THIS SPECIFICATION MAY REQUIRE ENGINEERED SOLUTIONS WHERE EXCESSIVE WETNESS IS ANTICIPATED. NOTE THAT ORGANIC SOIL VARIANT SHOULD NOT BE CHOSEN FOR LOW P PLANTINGS AND SHOULD NOT BE USED BELOW 300MM PLANTING METHODS INCLUDE DIRECT SEEDING, TUBE AND POTTED SPECIMENS UP TO 45L.



**CULTIVATION**  
 ALL GARDEN BEDS TO BE CULTIVATED TO A MIN DEPTH OF 150MM AND TREE PITS TO THE DEPTH OF THE ROOT BALL ONLY IF ADDITIVES SUCH AS GYPSUM ARE REQUIRED CONDUCT THIS AFTER CULTIVATION INTO THE TOP 100MM OF SOIL.

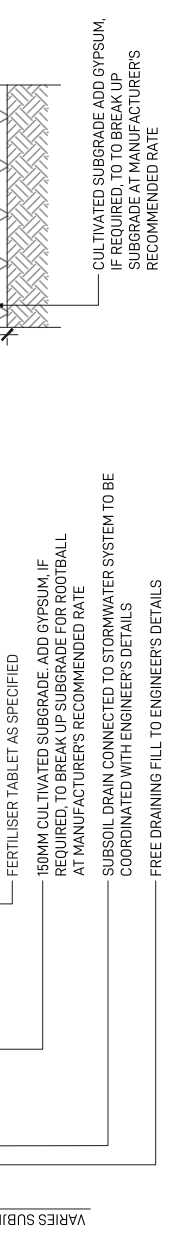
**PLANTING**  
 ALL PLANTING TO BE GROWN TO MATSPEC SPECIFICATIONS. CONTRACTOR TO PREPARE SITE FOR PLANTING INCLUDING WATERING, HANDLING, SETTING OUT AND EXCAVATION. EXCAVATE A HOLE FOR EACH PLANT LARGE ENOUGH TO PROVIDE NOT LESS THAN 100MM ALL AROUND THE ROOT SYSTEM OF THE PLANT FOR TREE PLANTING. EACH HOLE SHALL BE DUG WITH A SHOVEL, BACKHOE OR SIMILAR TOOL. INDIVIDUAL HOLES SHALL BE EXCAVATED TO ALLOW ROOT SYSTEM TO SIT FLAT ON THE EXCAVATED HOLE AND 400MM TO EACH SIDE OF THE ROOT SYSTEM. BACKFILL PLANTING HOLES WITH EXISTING SITE SOIL AND TOPSOIL AS DESCRIBED IN SECTION 'SOIL'. PLANT / TREE SHALL BE SET PLUMB, WITH THE ROOT BALL SET SLIGHTLY BELOW THE FINAL SOIL LEVEL.

**MULCHING**  
 THE LANDSCAPE CONTRACTOR SHALL SUPPLY AND INSTALL 100MM PINE BARK MULCH TO ALL GARDEN BEDS SHOWN ON THE LANDSCAPE PLANS. TO A MINIMUM DEPTH OF 75MM. ALL MULCH IS TO BE FREE OF DELETERIOUS MATTER SUCH AS SOIL, WEEDS AND STICKS. MULCHED SURFACES ARE TO BE KEPT CLEAN AND WATER REMOVED. DELETERIOUS MATERIAL AND ORGANIC MATTER, REMOVED FROM THE MULCH, TO BE RECYCLED TO A LEVEL OF 75MM. MULCH AS SPECIFIED TO BE FREE OF ANY WOOD MATERIAL IMPREGATED WITH CCA OR SIMILAR TOXIC TREATMENT. MAINTAIN WATERING RINGS AROUND TREES. TOP UP MULCH LEVELS PRIOR TO HANDOVER TO CLIENT.

**TURFING**  
 THE LANDSCAPE CONTRACTOR SHALL SUPPLY AND INSTALL SAPPHERE BUFFALO TURF IN STRETCHER PATTERN TO ALL TURF AREAS SHOWN ON THE LANDSCAPE PLANS AND IS TO FINISH FLUSH WITH ADJACENT SURFACES. TURF TO BE A MIN THICKNESS OF 50MM WITH A 40MM MOWING HEIGHT. CONTRACTOR TO ALLOW FOR FERTILISING, LAYING, TAMPING, WATERING, TOP DRESSING, MAINTENANCE AND MOWING. THE LANDSCAPE CONTRACTOR SHALL SUPPLY AND INSTALL TURF UNDERLAY UNDER ALL TURF AREAS, CONSISTING OF 100MM THICK LAYER OF SCREENED TOP SOIL.

**PEST AND DISEASE CONTROL**  
 THE LANDSCAPE CONTRACTOR SHALL SPRAY FOR PESTS AND DISEASES REGULARLY THROUGHOUT THE PERIOD. THE FINAL TREATING DATES SHOULD BE ADVISED TO THE CLIENT WHEN THEIR PESTAL ATTACK HAS INCREASED TO A POINT THAT WILL BECOME DETRIMENTAL TO PLANT GROWTH. APPLY ALL PESTICIDES TO MANUFACTURERS DIRECTIONS. FREQUENCY: WEEKLY INSPECTION

**FERTILISING**  
 PELLETS SHALL BE IN THE FORM INTENDED TO UNIFORMLY RELEASE PLANT FOOD ELEMENTS FOR A PERIOD OF APPROXIMATELY NINE MONTHS EQUAL TO SHIRLES KOKEI PELLETS, ANALYSIS 6.31:82.9 OR SIMILAR APPROVED. KOKEI PELLETS SHALL BE PLACED AT THE TIME OF PLANTING TO THE BASE OF THE PLANT. 50MM MINIMUM FROM THE ROOT BALL AT A RATE OF TWO PELLETS PER 300MM OF ROOT GROWTH TO A MAXIMUM OF 8 PELLETS PER TREE. GENERALLY CHECK FOR SIGNS OF NUTRIENT DEFICIENCIES (YELLOWING OF LEAVES, FAILURE TO THRIVE) AND ADAPT FERTILISER REGIME TO SUIT. FERTILISER SHOULD BE APPLIED AT THE BEGINNING AND THE END OF THE (SUMMER) GROWING SEASON.



**MAINTENANCE SCHEDULE**

MAINTENANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
INSPECTIONS	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M
WATERING	W	W	W	W	W	W	W	W	W	W	W	W
WEED AND PEST MANAGEMENT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
LITTER REMOVAL	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M
REMOVAL OF DEAD/DYING TREE LIMBS	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PLANT REPLACEMENT IF REQUIRED	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
MULCHING	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
TREE STAKE ADJUSTMENTS	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
FERTILISING	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

LANDSCAPE ESTABLISHMENT PERIOD - 12 MONTHS  
 PLANTING ESTABLISHMENT PERIOD - 12 MONTHS  
 LANDSCAPE MATERIAL ESTABLISHMENT - 12 MONTHS  
 KEY = **W**-WEEKLY, **2M**- EVERY TWO MONTHS, **AR**- AS REQUIRED

THE CONTRACTOR IS TO ALLOW 52 WEEKS PLANTING ESTABLISHMENT PERIOD FROM THE DATE OF PRACTICAL COMPLETION. CONTRACTOR TO MAINTAIN A LOG BOOK TO KEEP A RECORD OF MAINTENANCE EVERY MONTH. REPLACEMENTS OF FAILED, DAMAGED OR STOLEN PLANTS TO BE CARRIED OUT DURING THE MAINTENANCE PERIOD. IRRIGATION SYSTEMS TO BE INSTALLED AND MAINTAINED DURING THE MAINTENANCE PERIOD. LANDSCAPE MAINTENANCE REPORT SHALL BE SUBMITTED TO THE PRINCIPLE CERTIFYING AUTHORITY BY THE CONTRACTOR.

LANDSCAPE ARCHITECT

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 JOB NUMBER: 20220303  
 DRAWING NUMBER: LDA-04

PROJECT: 4 STRINGER PLACE  
 OATLANDS, NSW 2117

SCALE 1:20 (A3)  
 0 0.2 0.4 0.6 0.8 1m

REVISION  
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**LANDSCAPE DETAILS**

**OUTLINE LANDSCAPE SPECIFICATION**