ST LEONARDS SOUTH VILLAGE

ST LEONARDS, NSW

DRAWING SCHEDULE

DRAWING NO. DRAWING TITLE

000 COVER SHEET 001 LEGEND

100 LANDSCAPE MASTERPLAN101 MASTERPLAN EXISTING TREE STRATEGY

PLANTING SCHEDULE
SOFTWORKS PLAN 01
SOFTWORKS PLAN 02
SOFTWORKS PLAN 03
SOFTWORKS PLAN 04
SOFTWORKS PLAN 04
SOFTWORKS PLAN 05
SOFTWORKS PLAN 06
SOFTWORKS PLAN 07
SOFTWORKS PLAN 07
SOFTWORKS PLAN 08
SOFTWORKS PLAN 09

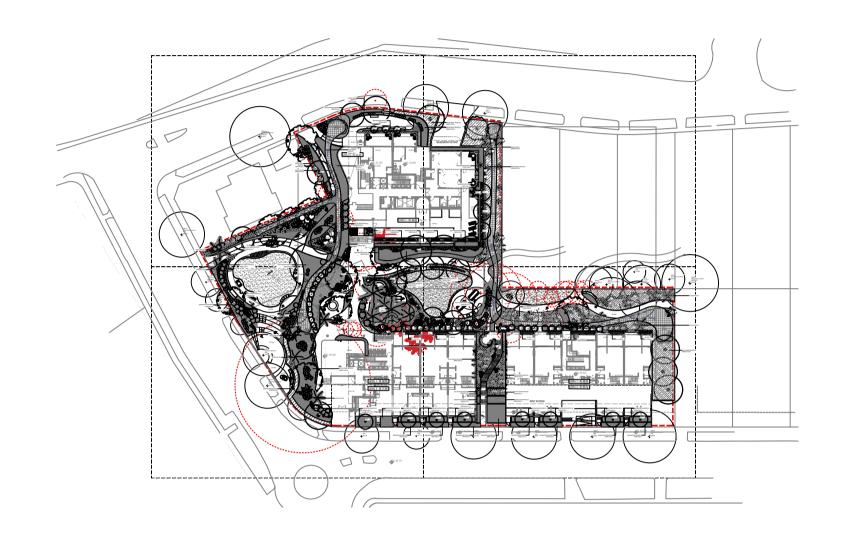
601 TYPICAL DETAILS

700 LANDSCAPE SPECIFICATION

ALL DRAWINGS TO BE READ IN CONJUNCTION WITH [PROJECT NO.]L-SP-001 LANDSCAPE SPECIFICATION

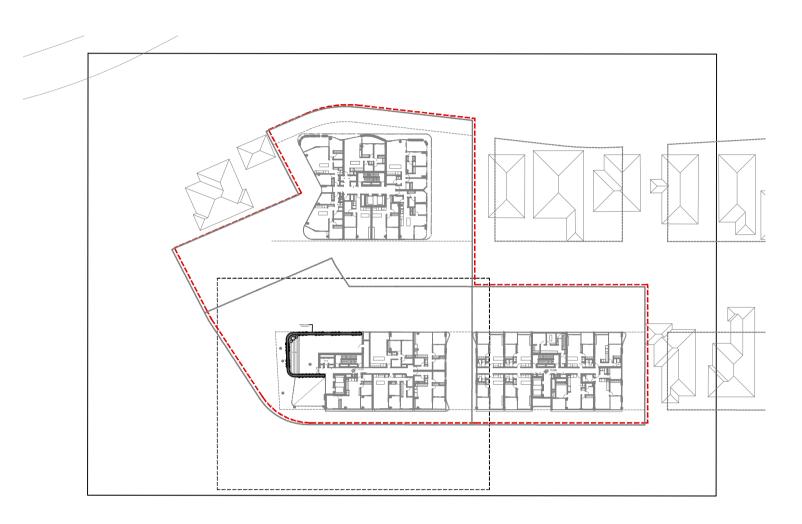
KEY PLAN LEVELS 0,1,2

SCALE: 1:1000@A1



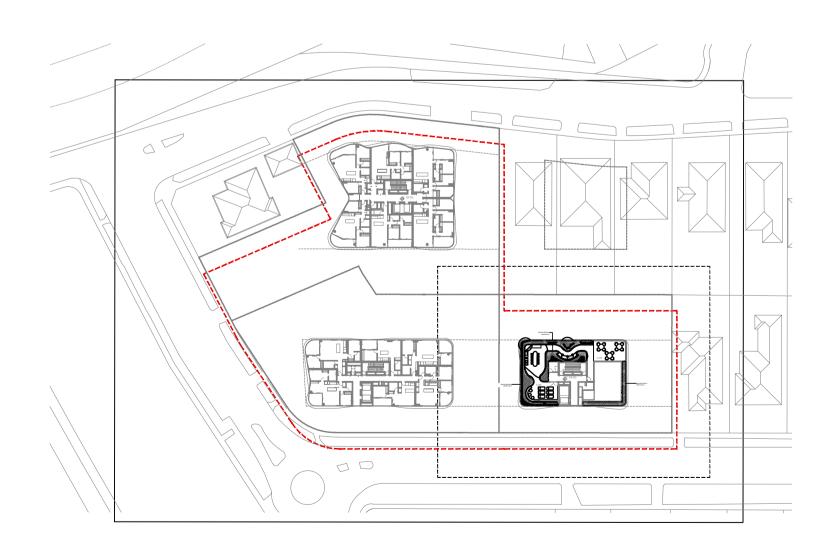
KEY PLAN LEVEL 3

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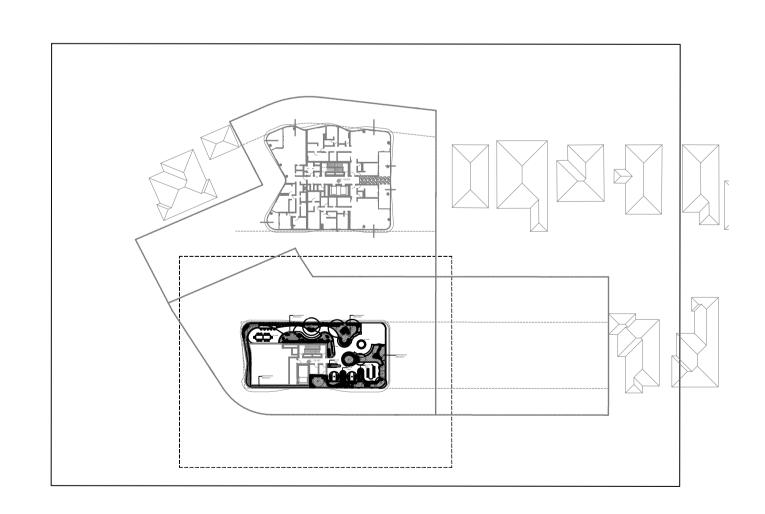
KEY PLAN LEVEL 14

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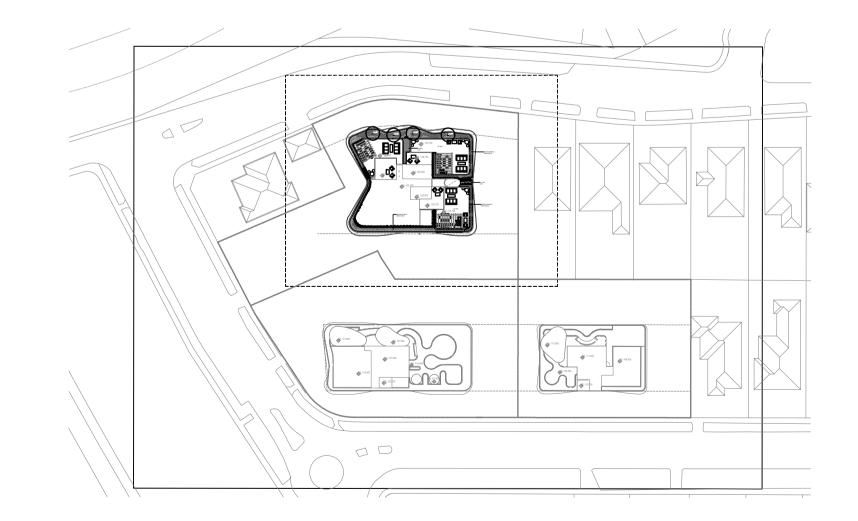
KEY PLAN LEVEL 17

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KEY PLAN LEVEL ROOFTOP TOWER 1

SCALE: 1:1000@A1



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Project

St Leonards Village St Leonards South, NSW Area 1, 2, 4

New Hope Group

Drawing No. Drawing Name

L_000 Coversheet

Job No. 21-795
Issue D



SOFTWORKS EXISTING TREES TO BE RETAINED Refer Landscape Specification EXISTING TREES TO BE REMOVED Refer Landscape Specification Refer Landscape Specification TREE PROTECTION ZONE Refer Landscape Specification STRUCTURAL ROOT ZONE Refer Landscape Specification LEGEND **GROUND FLOOR/LEVEL 1** Trees + Palms Acu (Archontophoenix cunninghamiana) Bs (Banksia Serrata) CW (Corymbia ficifolia 'Wildfire') Ca (Cupaniopsis anacardioides) Eg (Eucalyptus globoidea) Er (Elaeocarpus reticulatus) Ep (Eucalyptus paniculata) Epi (Eucalyptus pilularis) Es (Eucalyptus saligna) Esc (Eucalyptus scoparia) Et (Eucalyptus tereticornis) Jm (Jacaranda mimosifolia) La (Livistona australis) Mg (Magnolia grandiflora 'Little Gem')

I (Tristaniopsis laurina)

Wf (Waterhousia floribunda)

- Aa (Adiantum aethiopicum)
- An (Asplenium nidus)

Ferns

- Ca (Cyathea australis)
- Da (Dicksonia antarctica)
- . Da (Doodia aspera)
- Ds (Davallia solida)
- Re (Rhapis excelsa)
- Px (Philodendron 'Xanadu')

Shrubs

- At (Acacia terminalis)
- Bim (Baeckea imbricata)
- Bl (Boronia ledifolia)
- Br (Bauera rubioides)
- Cf (Cordyline fruticosa)
- Cm (Clivia miniata)
- Cr (Correa reflexa)
- Dv (Dodonaea viscosa)
- Dt (Dodonaea triquetra)
- Gl (Grevillea lavandulacea)
- Gs (Grevillea sericea)
- Pf (Pultenaea flexilis)
- Sae (Syzygium australe 'Elite')
- Wf (Westringia fruiticosa)
- * Xj (Xanthorrhoea johnsonii)
- Zs (Zieria smithii)

Grasses (6/m2)

NATIVE GRASS MATRIX 01

-LI (Lomandra Longfolia)
-Cap (Carex appressa)
-DI (Danthonia longifolia)
-Dc (Dichelachne crinita)
-Pc (Phormium cookianum)



NATIVE GRASS MATRIX 02

-Eb (Eragrostis brownii)
-Ms (Microlaena stipoides)
-Pg (Patersonia glabrata)
-Pa (Pennisetum alopecuroides)
-PI (Poa labillardieri)



SWALE MATRIX 03

- -Ar (Austrostipa ramosissima)-Bj (Baumea juncea)
- -Fn (Ficina nodosa)
- -Sa (Schoenus apogon)



GROUNDCOVER MIX 01

-Cg (Carpobrotus glaucecens)-Mp (Myoporum parvifolium)-Vh (Viola hederacea)



GROUNDCOVER MIX 02

-Dc (Dianella caerulea)-Lt (Lomandra tanika)-Mp (Myoporum parvifolium)



ROOFTOP MIX 01

-Dc (Dianella caerulea)
-Lt (Lomandra tanika)
-Mp (Myoporum parvifolium)
-Pp (Poa Kingsdale)



COMMUNITY GARDEN

-FLOWER BEDS -HERBS

Groundcovers (6/m2)

Arp (Ajuga reptans purpurea)

Cg (Carpobrotus glaucecens)



Cas (Centella asiatica)



Hs (Hibertia scandens)



Vh (Viola hederacea)



Mp (Myoporum parvifolium)

LEGEND ROOF TERRACES

Trees

- Bs (Banksia serrata)
- © Cg (Ceratopetalum gummiferum)
- CW (Corybbia ficfola)
- WGA (Waterhousia floribunda)

Shrubs

- AcL (Acacia congnata)
- * Abr (Anigozanthus)
- , io. (, iii.gozaminao,
- BsB (Banksia spinulosa)BvN (Baeckea virgata)
- CvL (Callistemon viminalis)
- Cs (Crowea saligna)
- Dg (Dietes grandiflora)
- Em (Eriostemon myoporoides)
- * Gj (Grevillea juniperina)
- LoL (Leptospermum obovatum)
- Re (Russelia equisetiformis)
- LiT (Lomandra longifolia)

Groundcovers + Grasses (6/m2)



Hs (Hibertia scandens)



ROOFTOP MIX 01

-Dc (Dianella caerulea)
-Lt (Lomandra tanika)

-Mp (Myoporum parvifolium)-Pp (Poa Kingsdale)

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St Leonards Village

St Leonards South, NSW Area 1, 2, 4

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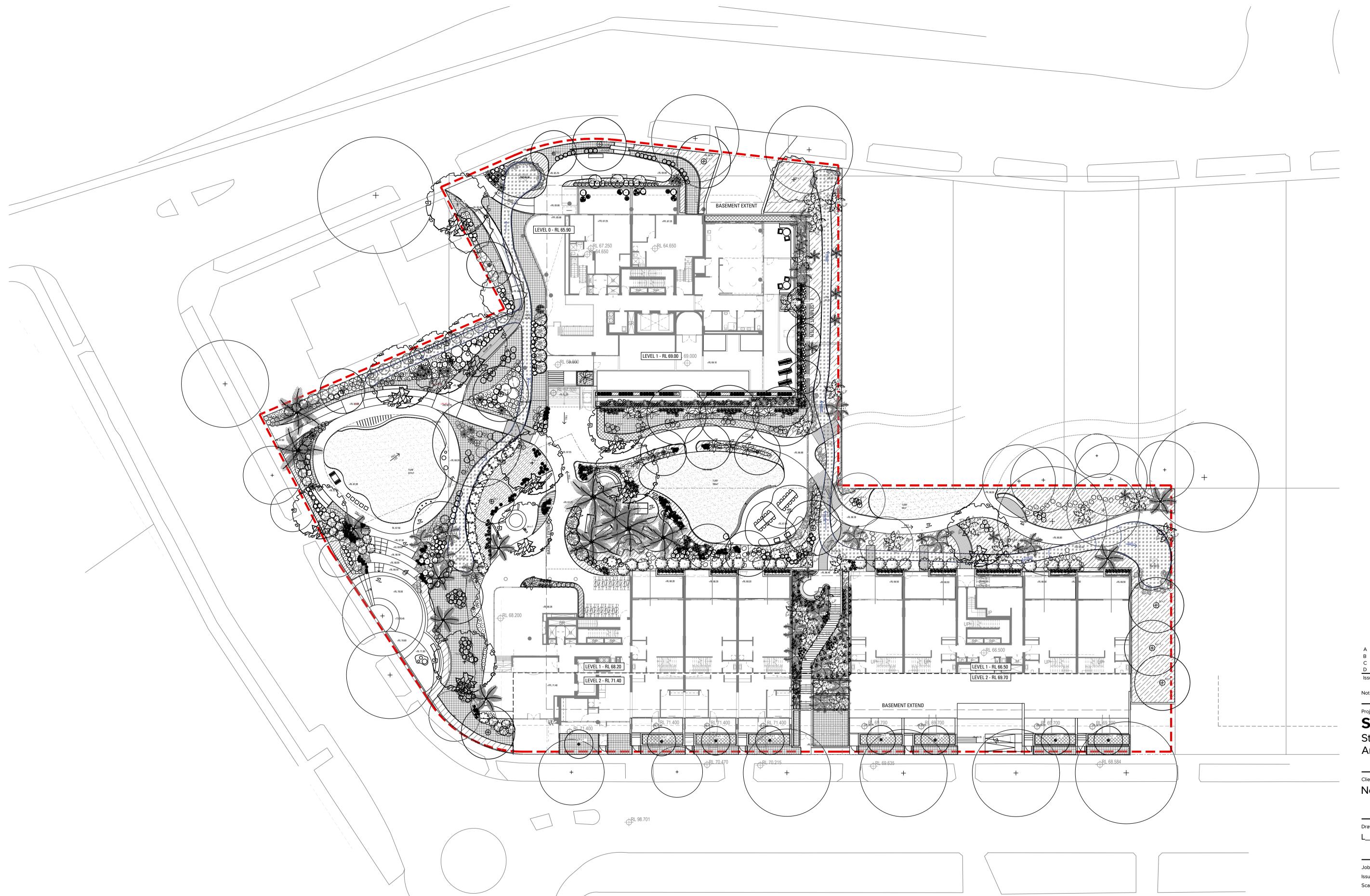
New Hope Group

Drawing No. Drawing Name
L_001 Legend

Job No. 21-795 Issue D



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St Leonards Village
St Leonards South NSW

St Leonards South, NSW Area 1, 2, 4

New Hope Group

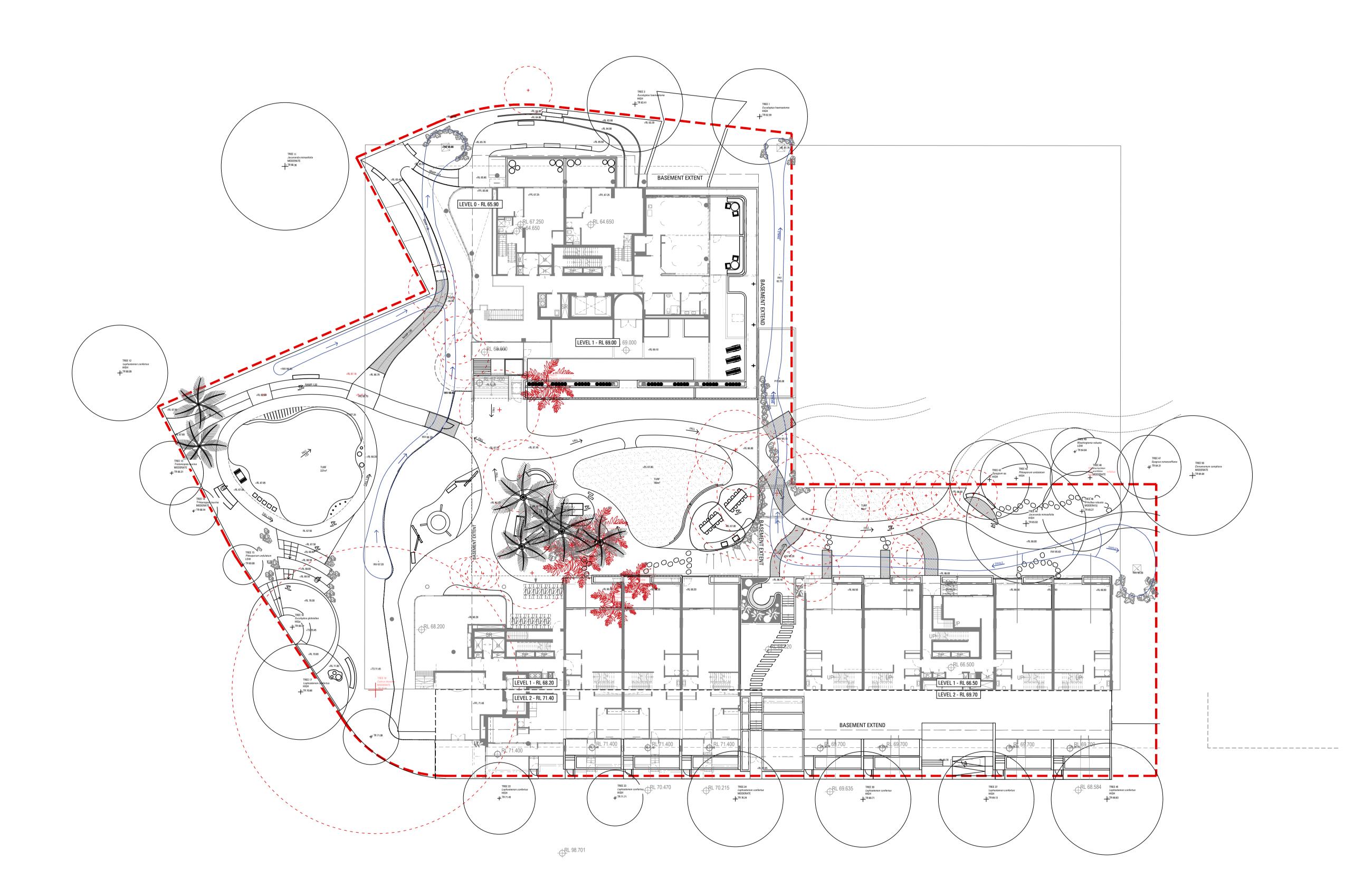
Drawing No. Drawing Name

L_100 Masterplan 0,1,2

Job No. 21-795
Issue D
Scale 1:250

Sydney, Suite 76, Jones Bay Wharf, 26-32 Pirrama Road, Pyrmont NSW 2009 E sydney@arcadiala.com.au T 02 8571 2900

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St Leonards Village St Leonards South, NSW Area 1, 2, 4

New Hope Group

Drawing No. Drawing Name Masterplan Existing Tree Strategy

1:250



ODE	BOTANIC NAME	COMMON NAME	MATURE SIZE (h x w) (m)	PROPOSED POT SIZE	Green Spine	Public Park	Setbacks	Level 1	QUANTIT
	TREES AND PALMS								
A arena		D D. l	25 2 5	751	-				
Acu Afl	Archontophoenix cunninghamiana Acacia floribunda	Bangalow Palm Wattle	25 x 2.5 8 x 6	75L 75L	5	2	1		5 3
Ca	Cupaniopsis anacardioides	Tuckeroo	8 x 7	75L			'	3	3
Ggu	Corymbia gummifera	Bloodwood	30 x 15	200L	2	5			7
Er	Eucalyptus resinifera	Mahogany	30 x 15	75L	_	2	2		4
Eg	Eucalyptus globoidea	White Stringybark	10 x 8	200L	1	1			2
Ep	Eucalyptus paniculata	Grey Ironbark	30 x 10	200L	5	2			7
Epi	Eucalyptus pilularis	Blackbutt	70 x 20	200L		1			1
Esc	Eucalyptus scoparia	Wallangarra white gum	15 x 10	200L	4				4
Es	Eucalyptus saligna	Sydney Blue Gum	50 x 20	200L		1	1		2
Et	Eucalyptus tereticornis	Forest Red Gum	30 x 10	200L	2				2
Jm La	Jacaranda mimosifolia Livistona australis	Jacaranda Cabbage Tree Palm	10 x 10 20 x 6	200L 75L	2				2
Mg	Magnolia Grandiflora	Southern Magnolia	10 x 2	75L	4		3		3
TI	Tristaniopsis laurina	Water Gum	10 x 4	200L			8		8
		B B I PRO B PARTIE I PRO PROFESSION I							
	FERNS								
Aa	Adiantum aethiopicum	Maiden Hair Fern	0.5 x 0.5	200mm	20				
	Asplenium nidus	Birds Nest Fern	2 x 2	2m trunk size	15			3	18
Ca	Cyathea australis	Rough Tree Fern	6 x 4	2m trunk size	21			2	23
Da	Doodia Aspera	Pricly Rasp Fern	1 x 1	200mm	4.4	67		75	142
Dan Ds	Dicksonia antarctica Davallia solida	Scaly Tree Fern Hares Foot Fern	9 x 4 0.4 x 0.6	2m trunk size 200mm	11 36	3		2	16 36
Re	Rhapis excelsa	Lady Palm	4 x 1.5	300mm	36			30	66
Px	Philodendron 'Xanadu'	Xanadu	1 x 1	200mm	131			38	169
	SHRUBS								
Afa	A cacia falcata	Sickle Wattle	5 x 1	300mm		6			6
At	A cacia terminalis	Sunshine Wattle	6 X1.5	300mm		21			21
Bim	Baeckea imbricata	Heath Myrtle	2 x 2	300mm	16				16
BI	Boronia ledifolia	Sydney Boronia	1 x 1	200mm	16	92			108
Cm	Clivia miniata	Bush Lily	1 x 1	200mm	93			200	93
Cf	Cordyline fruticosa	Purple Prince	1.5 x 1	200mm	134	40	70	63	267
Cr De	Correa reflexa	Native fuchsia	3 x 1.5 3.5 x 2	300mm 300mm	28	18			18 28
Dt	Doryanthes excelsa Dodonaea triquetra	Gymea Lily Large leaf hop bush	3.5 x 2 2 x 2	300mm	28	14			14
Dv	Dodonia viscosa	Hop Bush	4 x 2	300mm		8			8
GI	Grevillea lavandulacea	Lavender Grevillea	3 x 1	300mm	11	21			32
Gs	Grevillea sericea	Pink Spider flower	1.2 x 1	300mm		64			64
Pf	Pultenaea flexilis	Yellow Pea	3 x 1.5	300mm		61			61
SaE	Syzygium australe 'Elite'	Lilly Pilly	5 x 3	300mm	28	27			55
Wf	Westringia fruiticosa	Coastal Rosemary	1.5 x 1.5	200mm	83	135	30		248
Xj	Xanthorrhoea johnsonii	Grass Tree	5 x 1.5	300mm		21			21
	GRASSES Native Grass 01								
LI	Lomandra Longfolia	Spiny headed mat rush	1 x 0.6	150mm	82	307	124		513
Сар	Carex appressa	Tall sedge	1 x 1	150mm	82	307	124		513
DI	Danthonia longifolia	Wallaby Grass	0.8 x 0.5	150mm	82	307	124		513
	Dianella caerulea	Flax Lily	0.6 x 0.6	150mm	82	307	124		513
Pc	Phormium cookianum	NZ Flax	0.5 x0.5	150mm	82	307	124		513
Eb	Native Grass 02	Browns Love Grass	0.15 x 0.3	150mm	801	82			883
Ms	Eragrostis brownii Microlaena stipoides	Weeping Grass	0.15 x 0.3 1x 0.6	150mm 150mm	801	82 82			883
Pg	Patersonia glabrata	Leafy Purple Flag	0.6 x 0.6	150mm	801	82			883
Pa	Pennisetum alopecuroides	Swamp Foxtail	0.9 x 0.9	150mm	801	82			883
PI	Poa labillardieri	Tussock-grass	1 x 1	150mm	801	82			883
^	Swale - Matrix 03	Charles 1	0.5	450	270	400			400
Ar Bj	Austrostipa ramosissima Baumea juncea	Stout Bamboo Grass Tussock Swamp Twig Rus	2.5 x 1.5	150mm 150mm	270 270	198 198			468 468
Fn	Ficina nodosa	Knobby Club Rush	1 x 0.8	150mm 150mm	270	198			468
Sa	Schoenus apogon	Bog Rush	0.3 x 0.15	150mm	270	198			468
	Groundcover Mix- Matrix 01								
Cg	Carpobrotus glaucecens	Pig Face	0.2 x 2	150mm			182	90	272
Mp Vh	Myoporum parvifolium Viola hederacea	Creeping Boobialla Native Violet	0.15 x 1 0.2 x 0.5	150mm 150mm			182 182	90 90	272 272
VII		INGLIVE VIOLET	5.2 x 0.5	13011111			102	90	212
Dc	Groundcover Mix- Matrix 02 Dianella caerulea	Flax Lily	0.6 × 0.6	150mm	22	13	156	78	269
Lt	Lomandra tanika	Spiny headed mat rush	0.6 x 0.6	150mm	22	13	156	78	269
Мр	Myoporum parvifolium	Creeping Boobialla	0.0 x 0.0 0.15 x 1	150mm	22	13	156	78	269
	GROUNDCOVERS								
Cg	Carpobrotus glaucecens	Pig Face	0.2 x 2	150mm			36		36
Hs	Hibbertia scandens	Snake Vine	0.15 x spreading	150mm	32		64		96
Mp	Myoporum parvifolium	Creeping Boobialla	0.15 x 1	150mm	102		36		138

UPPER LEVELS

CODE	BOTANIC NAME	COMMON NAME	MATURE SIZE (h x w) (m)	PROPOSED POT SIZE	QUANTITY
	TREES				
Bs	Banksia serrata	Old Man Banksia	6 x 2	75L	9
Ca	Cupaniopsis anacardioides	Tuckeroo	8 x 7	75L	3
WGA	Waterhousia floribunda 'Green Avenue'	Weeping Lilly Pilly	8 x 5	75L	6
CW	Corymbia ficifolia 'Wildfire'	Wildfire Gum	6 x 3	75L	6
	SHRUBS				
AcL	Acacia cognata 'Limelight'	River Wattle	1 x1.2	200mm	64
Abr	Anigozanthus 'Big Red'	Kangaroo Paw	1.5 x 1.5	200mm	53
BsB	Banksia spinulosa 'Birthday Candles'	Banksia	0.5 x 1	200mm	54
BvN	Baeckea virgata	twiggy murtle	0.1 x 1	200mm	256
CvL	Callistemon viminalis 'Little John'	Little John Callistemon	1 X 1.5	200mm	27
Cs	Crowea saligna	Willow leaved crowea	1 x 1.5	200mm	34
Dg	Dietes grandiflora	Native Iris	1.5 x 1	200mm	63
Em	Eriostemon myoporoides	Waxflower	1 x 1	200mm	3
Gj	Grevillea juniperina	Juniper-leaf Grevillea	1.5 x 1.5	200mm	12
Re	Russelia equisetiformis	Coral Plant	1.2 x 1.5	200mm	40
Wf	Westringia fruticosa	Coastal Rosemary	1.5 x 1.5		26
	GRASSES & RUSHES				
Dc	Dianella caerulea	Flax Lily	0.6 x 0.6	150mm	515
LIT	Lomandra longifolia 'Tanika'	Mat Rush	1 x 1	150mm	792
Рр	Poa poiformis 'Kingsdale'	Blue Tussock Grass	0.5 x 0.5	150mm	514
	GROUNDCOVERS/VINE				
Hs	Hibbertia scandens	Snake Vine	0.15 x spreading	150mm	68
Мр	Myoporum parvifolium	Creeping Boobialla	0.15 x 1	150mm	515

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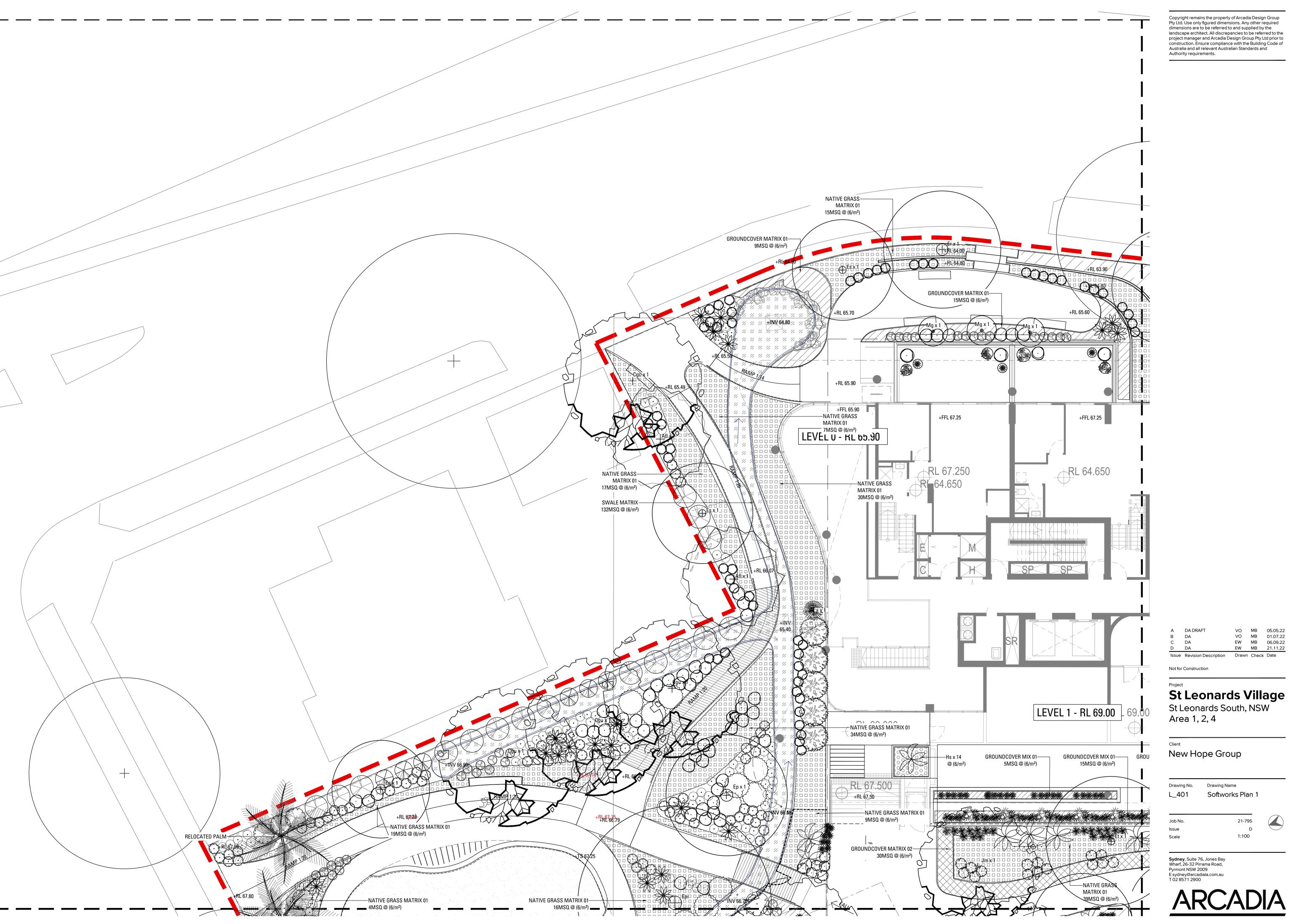
St Leonards Village
St Leonards South, NSW
Area 1, 2, 4

New Hope Group

Drawing No. Drawing Name Plant Schedule

21-795

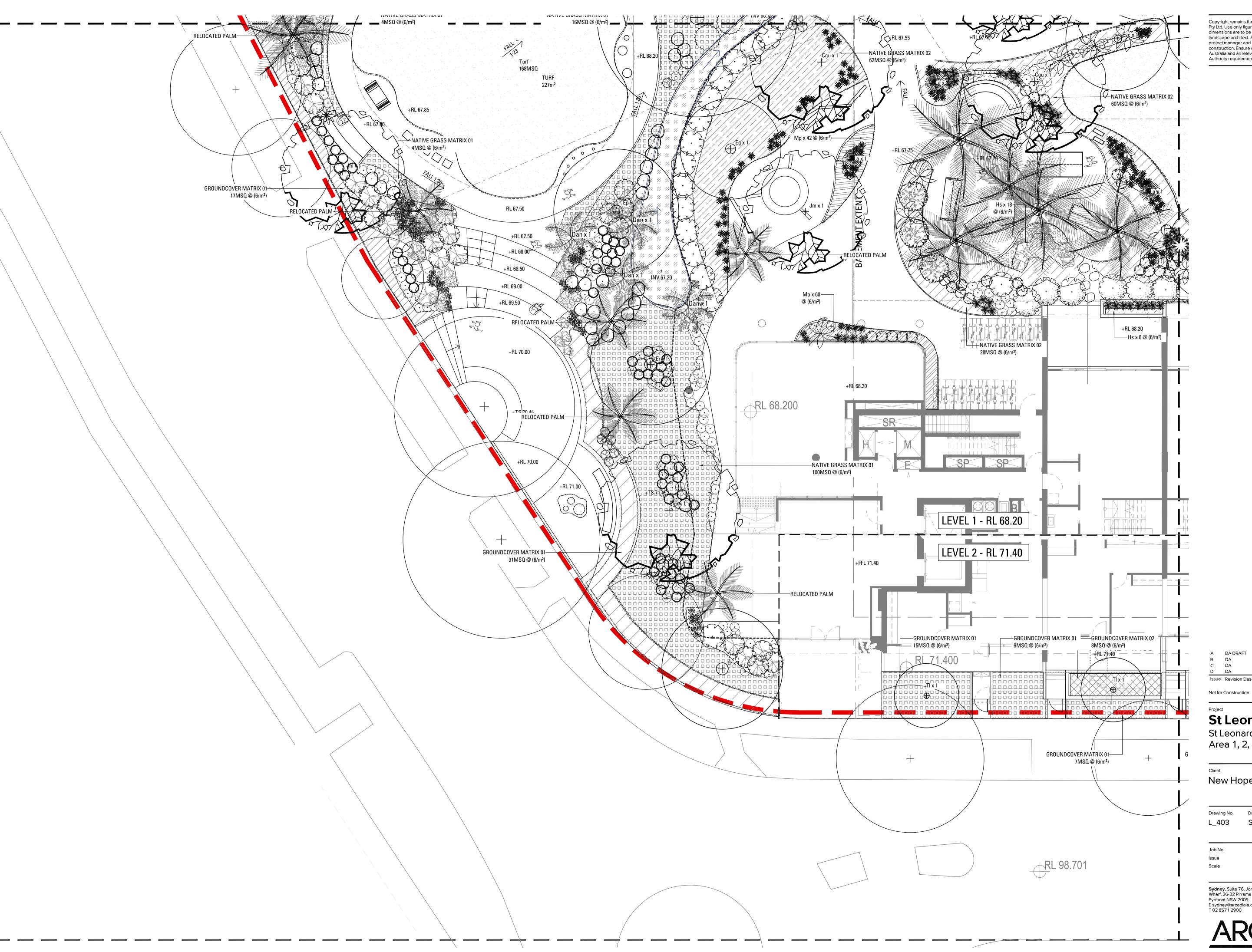




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Softworks Plan 1

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St Leonards South, NSW
Area 1, 2, 4 New Hope Group GROUNDCOVER MIX 01—— 8MSQ @ (6/m²) GROUNDCOVER MIX 01—7MSQ @ (6/m²) Softworks Plan 2 1:100 Sydney, Suite 76, Jones Bay Wharf, 26-32 Pirrama Road, Pyrmont NSW 2009 E sydney@arcadiala.com.au T 02 8571 2900



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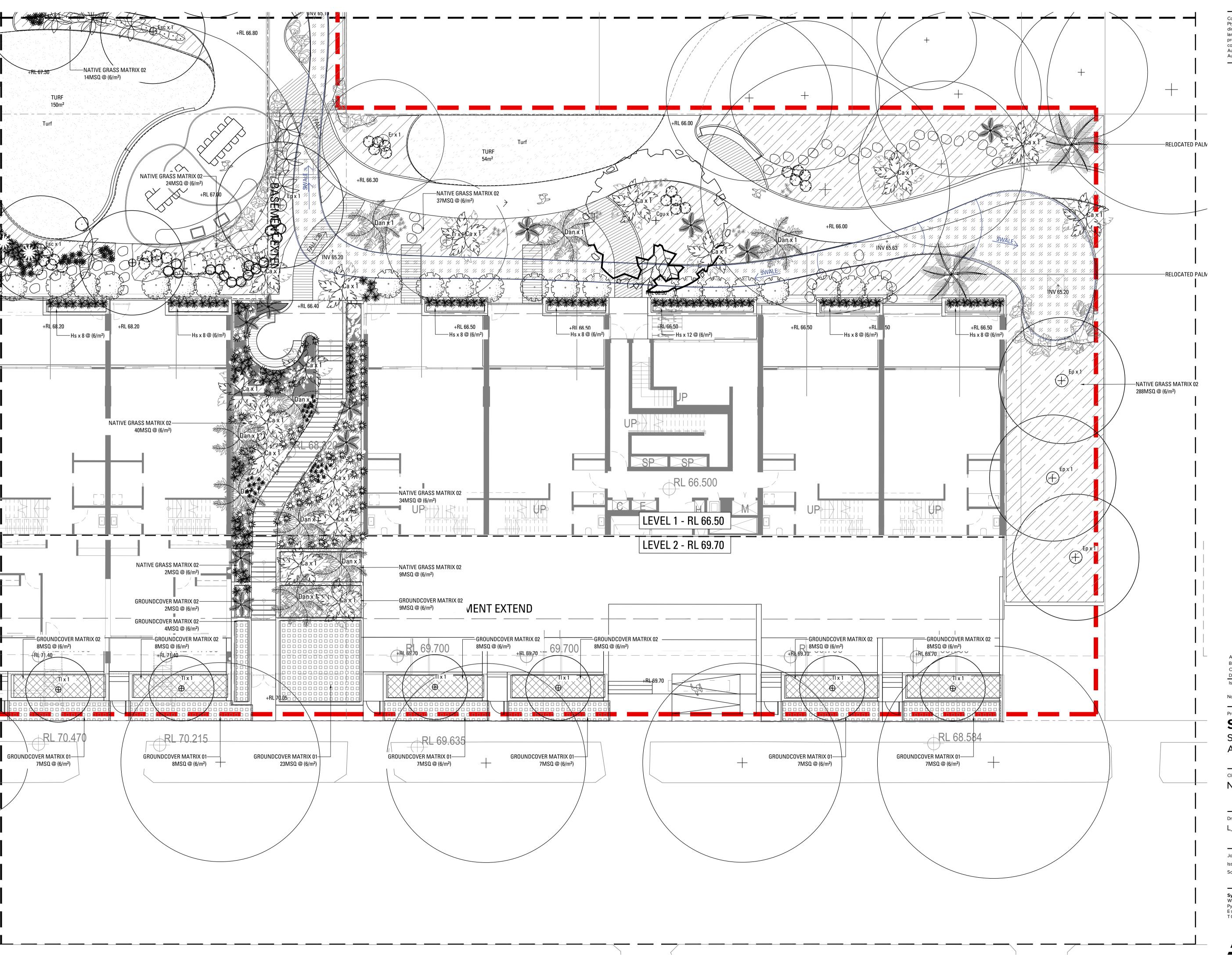
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St Leonards Village St Leonards South, NSW Area 1, 2, 4

New Hope Group

Drawing Name Softworks Plan 3

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St Leonards Village St Leonards South, NSW

Area 1, 2, 4

New Hope Group

Drawing No. Drawing Name

L_404 Softworks Plan 4

Job No. 21-795
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St Leonards Village St Leonards South, NSW Area 1, 2, 4

New Hope Group

Drawing No. Drawing Name Softworks Plan 5

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+RL 125.70 —ROOFTOP MATRIX 01 77MSQ @ (6/m²) RL 128.000 RL 128.700 -ROOFTOP MATRIX 01 9MSQ @ (6/m²) —ROOFTOP MATRIX 01 35MSQ @ (6/m²)

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St Leonards Village
St Leonards South, NSW
Area 1, 2, 4

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Softworks Plan 8

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landscape architect. All discrepancies to be referred to the project manager and Arcadia Design Group Pty Ltd prior to construction. Ensure compliance with the Building Code of Australia and all relevant Australian Standards and Authority requirements. ROOFTOP MATRIX 01—— 17MSQ @ (6/m²) -ROOFTOP MATRIX 01 ROOFTOP MATRIX 01— 39MSQ @ (6/m²) 19MSQ @ (6/m²) DDDDDDDDDDDDDDDD Not for Construction St Leonards Village
St Leonards South, NSW
Area 1, 2, 4 New Hope Group **Drawing Name** Softworks Plan 6 1:100 Sydney, Suite 76, Jones Bay Wharf, 26-32 Pirrama Road, Pyrmont NSW 2009 E sydney@arcadiala.com.au T 02 8571 2900

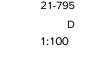
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—ROOFTOP MATRIX 01 ----ROOFTOP MATRIX 01 25MSQ @ (6/m²) 25MSQ @ (6/m²) +RL 119.40 -ROOFTOP MATRIX 01 50MSQ @ (6/m²) —ROOFTOP MATRIX 01 20MSQ @ (6/m²)

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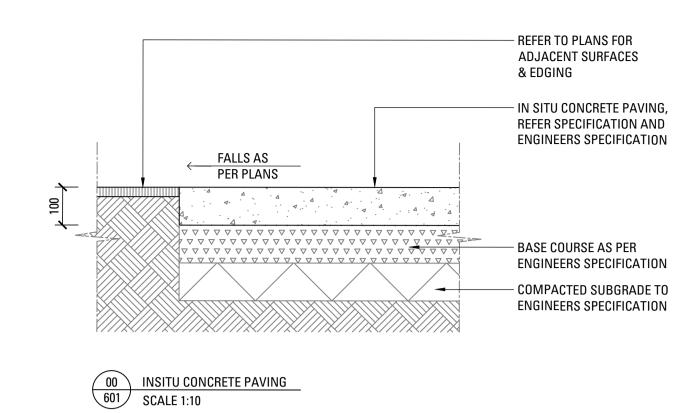
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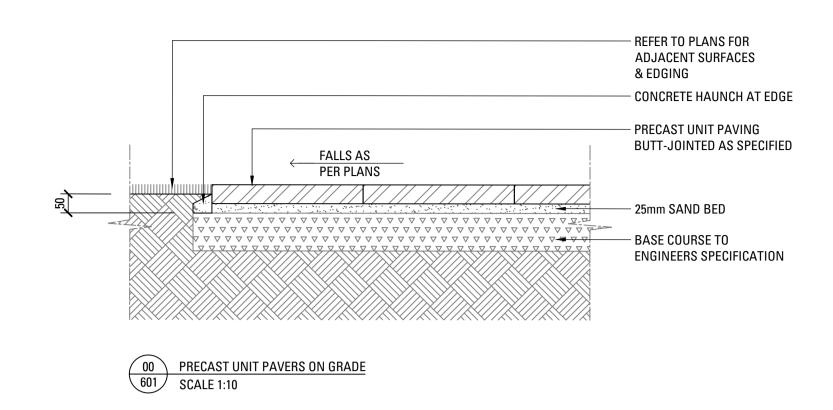
St Leonards Village St Leonards South, NSW Area 1, 2, 4

New Hope Group

Drawing Name Softworks Plan 7

1:100





GROUNDCOVER

TRUNK

O0 SHRUB OR GROUNDCOVER IN PLANTING BED SCALE 1:20

Refer Specification

75mm DEPTH MULCH REFER SPECIFICATION

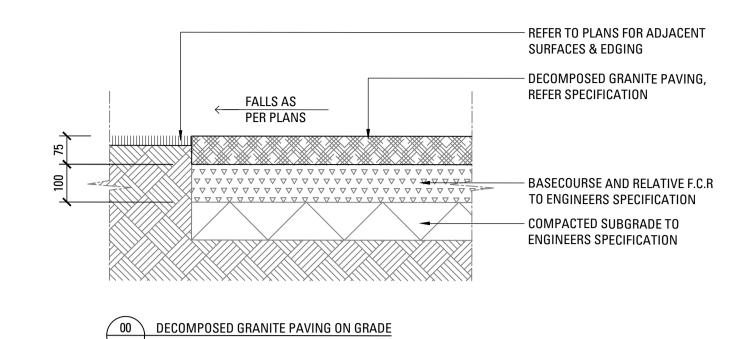
DISHED AROUND BASE OF

BACKFILL & CONSOLIDATE
 WITH TOPSOIL MIXTURE &

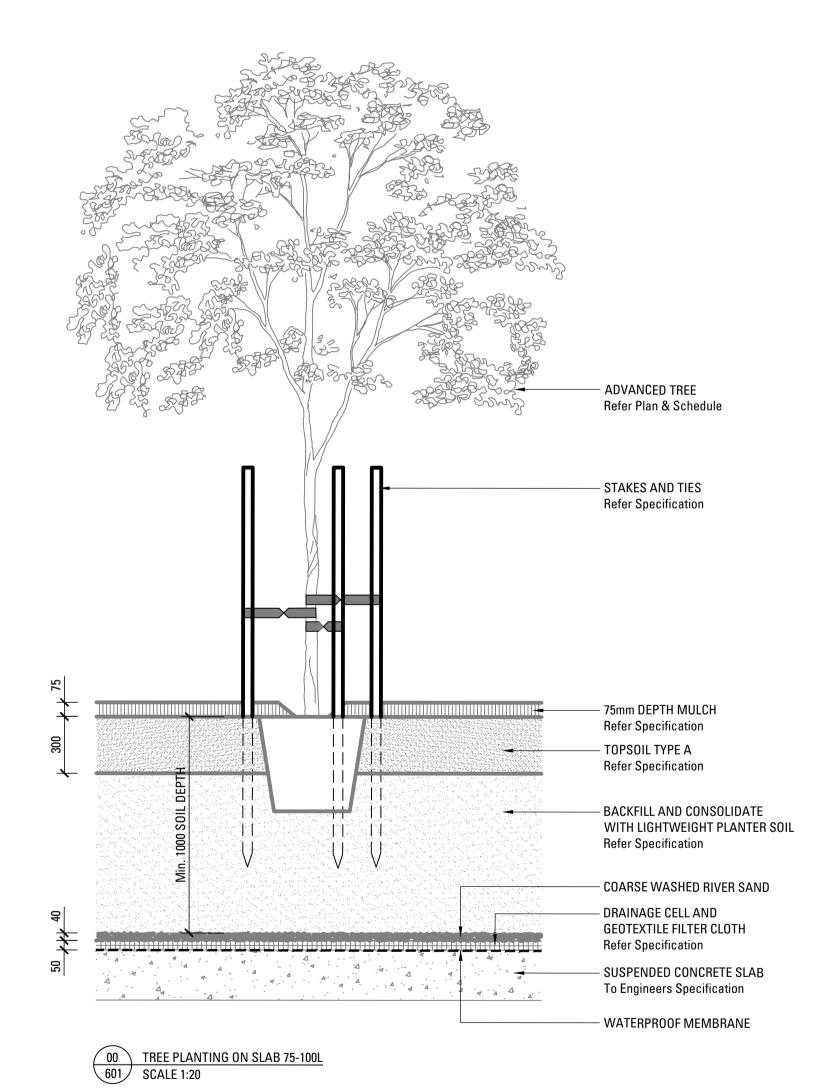
FERTILISE TO MIN. 300mm

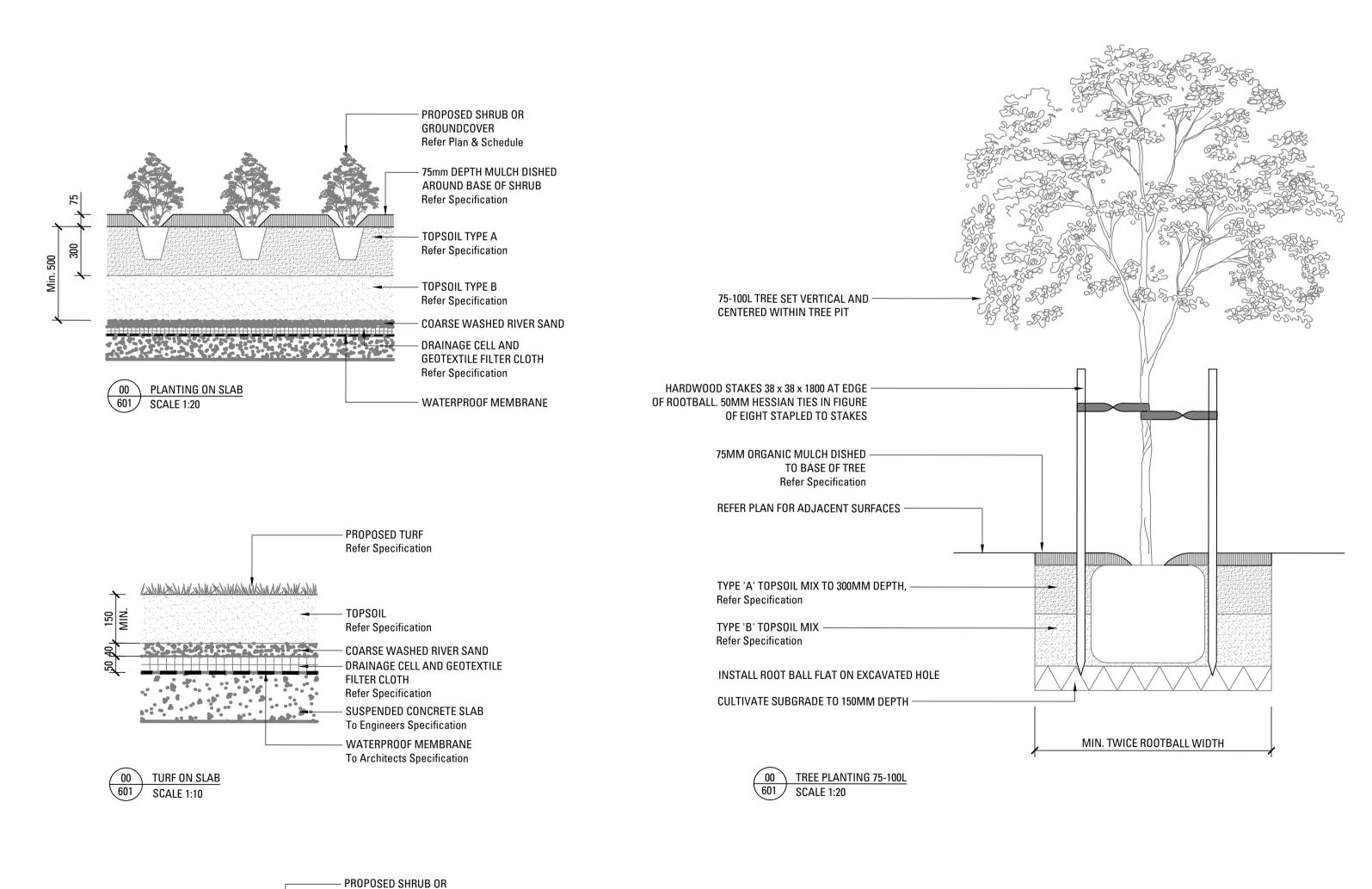
BREAKUP & CULTIVATE
SUBGRADE TO 150mm DEPTH

Refer Specification



SCALE 1:10





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00 TURF ON GRADE 601 SCALE 1:10 PROPOSED TURF

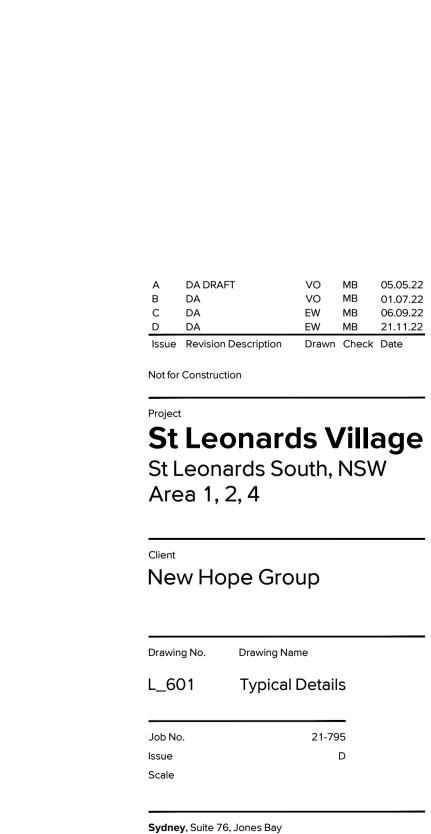
TOPSOIL

Refer Specification

Refer Specification

TO 150mm DEPTH

BREAK UP & CULTIVATE SUBGR



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Authority requirements.

LANDSCAPE SPECIFICATION NOTES

BEFORE LANDSCAPE WORK IS COMMENCED THE LANDSCAPE CONTRACTOR IS TO ESTABLISH THE POSITION OF ALL SERVICE LINES AND ENSURE TREE PLANTING IS CARRIED OUT AT LEAST 3 METRES AWAY FROM THESE SERVICES. SERVICE LIDS, VENTS AND HYDRANTS SHALL BE LEFT EXPOSED AND NOT COVERED BY ANY LANDSCAPE FINISHES (TURFING, PAVING, GARDEN BEDS ETC.) FINISH ADJOINING SURFACES FLUSH WITH PIT LIDS.

ABORIST MANAGEMENT OF TREE PROTECTION

A QUALIFIED AND APPROVED ABORIST IS TO BE CONTRACTED TO UNDERTAKE OR MANAGE THE INSTALLATION OF PROTECTIVE FENCING, AND TO UNDERTAKE SUCH MEASURES AS HE DEEMS APPROPRIATE TO PRESERVE THE SUBJECT TREES TO BE RETAINED. THE ARBORIST IS TO BE RETAINED FOR THE ENTIRE CONTRACT PERIOD TO UNDERTAKE ONGOING MANAGEMENT AND REVIEW OF THE TREES.

DRAINAGE CELL AND FILTER FABRIC

FOR ON-SLAB AREAS INSTALL AN APPROVED 'DRAINAGE CELL' PRODUCT TO COMPREHENSIVELY COVER THE BOTTOM OF ALL PLANTERS. OVER DRAINAGE CELL TO ON-SLAB AREAS, A POLYFELT GEOTEXTILE LINING (AS SUPPLIED BY 'POLYFELT TS' OR APPROVED EQUIVALENT) IS TO BE INSTALLED TO COVER THE BOTTOM OF ALL PLANTERS, TURNED UP 300MM AND TAPED TO THE PLANTER SIDES TO ENSURE SOIL MIX DOES NOT ESCAPE INTO DRAINAGE OUTLETS/HOLES. INSTALL MIN. 50MM COARSE RIVER SAND OVER ALL GEOTEXTILE LINING PRIOR TO INSTALLATION OF SOIL MIX.

PLANTING MIXTURE

SHALL BE HOMOGENOUS BLEND OF SOIL AND ADDITIVES IN THE FOLLOWING PROPORTIONS:

EXISTING SITE SOIL IF SUITABLE OR

IMPORTED TOPSOIL 50%

COMPOST 30% D/W SAND 20%

SOIL TESTING OF EXISTING SITE SOIL IS TO BE UNDERTAKEN TO ASSESS SUITABILITY OF USE AS PLANTING TOPSOIL AND COMPLIANCE WITH AUSTRALIAN STANDARDS.

MULCH APPLICATION

PLACE MULCH TO THE REQUIRED DEPTH, (REFER TO DRAWINGS) CLEAR OF PLANT STEMS, AND RAKE TO AN EVEN SURFACE FINISHING 25MM BELOW ADJOINING LEVELS. ENSURE MULCH IS WATERED IN AND TAMPED DOWN DURING INSTALLATION.

PINE BARK: FROM MATURE TREES, GRADED IN SIZE FROM 15MM TO 30MM, FREE FROM WOOD SLIVERS. DARK BROWN IN COLOUR AND TEXTURE.

SHALL BE WELL ROTTED VEGETATIVE MATERIAL OR ANIMAL MANURE, OR OTHER APPROVED MATERIAL, FREE FROM HARMFUL CHEMICALS, GRASS AND WEED GROWTH AND WITH NEUTRAL PH. PROVIDE A CERTIFICATE OF PROOF OF PH UPON REQUEST.

PLANT MATERIAL

ALL PLANTS SUPPLIED ARE TO CONFORM WITH THOSE SPECIES LISTED IN THE PLANT SCHEDULE ON THE DRAWINGS. GENERALLY PLANTS SHALL BE VIGOROUS, WELL ESTABLISHED, HARDENED OFF, OF GOOD FORM CONSISTENT WITH SPECIES OR VARIETY, NOT SOFT OR FORCED, FREE FROM DISEASE OR INSECT PESTS WITH LARGE HEALTHY ROOT SYSTEMS AND NO EVIDENCE OF HAVING BEEN RESTRICTED OR DAMAGED. TREES SHALL HAVE A LEADING SHOOT. IMMEDIATELY REJECT DRIED OUT, DAMAGED OR UNHEALTHY PLANT MATERIAL BEFORE PLANTING. ALL STOCK IS TO BE CONTAINER GROWN FOR A MINIMUM OF SIX (6) MONTHS PRIOR TO DELIVERY TO SITE

FERTILISER MASS PLANTING AREAS:

FERTILISER SHALL BE 'NUTRICOTE' OR APPROVED EQUIVALENT IN GRANULE FORM INTENDED FOR SLOW RELEASE OF PLANT NUTRIENTS OVER A PERIOD OF APPROXIMATELY NINE MONTHS. THOROUGHLY MIX FERTILISER WITH PLANTING MIXTURE AT THE RECOMMENDED RATE, PRIOR TO INSTALLING PLANTS.

SHALL BE SIR WALTER BUFFALO. SHIRLEYS NO. 17 OR APPROVED EQUAL LAWN FOOD SHALL BE THOROUGHLY MIXED INTO THE TOPSOIL PRIOR TO PLACING TURF.

TREES IN GRASS AND SUPER ADVANCED TREES:

PELLETS SHALL BE IN THE FORM INTENDED TO UNIFORMLY RELEASE PLANT FOOD ELEMENTS FOR A PERIOD OF APPROXIMATELY NINE MONTHS EQUAL TO SHIRLEYS KOKEI PELLETS, ANALYSIS 6.3:1.8:2.9. 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 TOP GROWTH TO A MAXIMUM OF 8 PELLETS PER TREE.

STAKING AND TYING

STAKES SHALL BE STRAIGHT HARDWOOD, FREE FROM KNOTS AND TWISTS, POINTED AT ONE END AND

SIZED ACCORDING TO SIZE

OF PLANTS TO BE STAKED.

A. 5-15 LITRE SIZE PLANT 1X(1200X25X25MM)

B. 35-75 LITRE SIZE PLANT 2X(1500X38X38MM)

C. 100-GREATER THAN 200LITRE 3X(1800X50X50MM)

TIES SHALL BE 50MM WIDE HESSIAN WEBBING OR APPROVED EQUIVALENT NAILED OR STAPLED TO STAKE. DRIVE STAKES A MINIMUM ONE THIRD OF THEIR LENGTH, AVOIDING DAMAGE TO THE ROOT SYSTEM, ON THE WINDWARD SIDE OF THE PLANT.

SUPPLY AN AUTOMATIC WATERING SYSTEM USING 'TORO IRRIGATION SYSTEM' OR SIMILAR APPROVED, WITH MICRO-JET SPRINKLER HEADS AND LOW DENSITY, RUBBER MODIFIED POLYPROPYLENE RETICULATION, TO INCLUDE FILTERS, BENDS JUNCTIONS, ENDS AND OTHER ANCILLARY EQUIPMENT. THE LANDSCAPER SHALL NOMINATE HIS SOURCE OF SUPPLY FOR THE WATERING SYSTEM AND OBTAIN APPROVAL FROM THE SUPERINTENDENT BEFORE PLACING ORDERS FOR EQUIPMENT OR

A SCHEMATIC PLAN OF THE PROPOSED IRRIGATION SYSTEM IS TO BE PREPARED BY THE CONTRACTOR, SHOWING SOLENOIDS PIPE DIAMETERS, AND ALL NOZZLE AND TRICKLE ATTACHMENT TYPES (INCLUDING SPRAY/HEAD ANGLE), FOR REVIEW BY THE SUPERINTENDENT PRIOR TO INSTALLATION

THE CONTRACTOR IS TO LIASE WITH THE HYDRAULIC ENGINEER AND COUNCIL AS NECESSARY, TO ENSURE THE THE IRRIGATION SYSTEM CONFORMS WITH ALL THE COUNCIL AND WATER BOARD CODES AND REQUIREMENTS.

PROVIDE AN AUTOMATIC CONTROLLER THAT PROVIDES FOR TWO WEEK SCHEDULING AND HOURLY MULTI-CYCLE OPERATION. THE CONTROLLER SHALL MANUAL OVERRIDE. PROGRAMMING SHALL BE UNDERTAKEN BY THE CONTRACTOR WHO SHALL ADVISE ON THE OPERATION OF THE SYSTEM.

PROVISION OF SECURE HOUSING FOR THE AUTOMATIC IRRIGATION CONTROLLER TO BE LOCATED IN ASSOCIATION WITH THE LANDSCAPE CONTRACTOR AND LOCATION CONFIRMED BY THE SUPERINTENDENT. WIRING TO CONNECT REMOTE SOLENOID LOCATIONS IS TO BE PROVIDED. THE CONTROLLER SHALL BE LOCATED IN A DRY PLACE, PROTECTED FROM THE WEATHER, AND ALL CABLE CONNECTIONS SHALL BE MADE WITH WATERPROOF CONNECTORS.

WATER SUPPLY POINTS TO BE SUPPLIED BY BUILDER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE AND GUARANTEE SATISFACTORY OPERATION OF THE IRRIGATION

AFTER THE SYSTEM HAS BEEN INSTALLED TO THE SATISFACTION OF THE SUPERINTENDENT, THE INSTALLATION SHALL BE TESTED UNDER KNOWN WORKING CONDITIONS. ACCEPTANCE OF THE INSTALLED PLANT AND EQUIPMENT SHALL BE SUBJECT TO THESE BEING SATISFACTORY.

TREATED PINE TIMBER EDGING

TIMBER EDGE: 100 X 25MM CCA TREATED RADIATA PINE TIMBER STAKES: 50 X 50 X 500MM CCA TREATED RADIATA PINE-SHARPENED AT ONE END. INSTALL IN LOCATIONS SHOWN ON THE DRAWINGS FLUSH TO FINISHED SURFACE LEVELS.

TURF ALL LANDSCAPE AREAS AS SHOWN ON THE LANDSCAPE DRAWINGS. TURF IS TO HAVE AN EVEN THICKNESS OF NOT LESS THAN 25MM. OBTAIN TURF FROM AN APPROVED GROWER. FURNISH A WARRANTY FROM THE GROWER THAT THE TURF IS FREE FROM WEEDS AND OTHER FOREIGN MATTER. DELIVER TURF TO THE SITE WITHIN 24 HOURS OF BEING CUT, AND LAY IT WITHIN 24 HOURS OF BEING DELIVERED.

TO PREPARE GRADED AREAS TO RECEIVE TURF, EXCAVATE THE AREA AND CULTIVATE SO AS TO ALLOW FOR IMPORTING OF 100MM OF TURF UNDERLAY SOIL. REMOVE ALL STONES OVER 50MM Ø AND REMOVE ALL WEEDS AND FOREIGN MATTER. SPREAD SOIL MIX A.B.S TO A DEPTH OF 100MM AND GRADE TO APPROPRIATE LEVELS TO ACHIEVE GENERAL EVEN GRADES TO DRAINAGE OUTLETS INSTALLED BY OTHERS.

LAY THE TURF ALONG THE LAND CONTOURS WITH STAGGERED. CLOSE BUTTED JOINTS. SO THAT THE FINISHED TURF SURFACE IS FLUSH WITH ADJACENT FINISHED SURFACES OF PAVING AND THE LIKE. AS SOON AS PRACTICABLE AFTER LAYING, ROLL THE TURF WITH A ROLLER WEIGHING NOT MORE THAN 90KG PER METRE OF WIDTH FOR SANDY OR LIGHT SOILS.

WATER AS NECESSARY TO KEEP THE SOIL MOIST TO A DEPTH OF 100MM. PROTECT NEWLY TURFED AREAS AGAINST TRAFFIC UNTIL GRASS IS ESTABLISHED. FERTILISE TWO WEEKS AFTER LAYING FERTILISE A.B.S.

'TOP DRESS' THE TURF WHEN IT IS ESTABLISHED TO A DEPTH OF 10MM WITH COARSE WASHED RIVER SAND. RUB THE DRESSING WELL INTO THE JOINTS AND CORRECT ANY UNEVENNESS IN THE TURF SURFACES.

LANDSCAPE MAINTENANCE PROGRAM

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. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, WATERING, MOWING, FERTILISING, RESEEDING, RETURFING, WEEDING, PEST AND DISEASE CONTROL, STAKING AND TYING, REPLANTING, CULTIVATION, PRUNING, AERATING, RENOVATING, TOP DRESSING, MAINTAINING THE SITE IN A NEAT AND TIDY CONDITION AS FOLLOWS:-

THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE WORKS FOR THE TERM OF THE MAINTENANCE (OR PLANT ESTABLISHMENT) PERIOD TO THE SATISFACTION OF THE COUNCIL. THE LANDSCAPE CONTRACTOR SHALL ATTEND TO THE SITE ON A WEEKLY BASIS. THE MAINTENANCE PERIOD SHALL COMMENCE AT PRACTICAL COMPLETION AND CONTINUE FOR A PERIOD OF TWENTY SIX (26) WEEKS.

GRASS, TREES AND GARDEN AREAS SHALL BE WATERED REGULARLY SO AS TO ENSURE CONTINUOUS HEALTHY GROWTH.

RUBBISH REMOVAL

DURING THE TERM OF THE MAINTENANCE PERIOD THE LANDSCAPE CONTRACTOR SHALL REMOVE RUBBISH THAT MAY OCCUR AND REOCCUR THROUGHOUT THE MAINTENANCE PERIOD. THIS WORK SHALL BE CARRIED OUT REGULARLY SO THAT AT WEEKLY INTERVALS THE AREA MAY BE OBSERVED IN A COMPLETELY CLEAN AND TIDY CONDITION.

REPLACEMENTS

THE LANDSCAPE CONTRACTOR SHALL REPLACE ALL PLANTS THAT ARE MISSING, UNHEALTHY OR DEAD AT THE LANDSCAPE CONTRACTOR'S COST. REPLACEMENTS SHALL BE OF THE SAME SIZE, QUALITY AND SPECIES AS THE PLANT THAT HAS FAILED UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT. REPLACEMENTS SHALL BE MADE ON A CONTINUING BASIS NOT EXCEEDING TWO (2) WEEKS AFTER THE PLANT HAS DIED OR IS SEEN TO BE MISSING.

THE LANDSCAPE CONTRACTOR SHALL REPLACE OR ADJUST PLANT STAKES, AND TREE GUARDS AS NECESSARY OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. REMOVE STAKES AND TIES AT THE END OF THE MAINTENANCE PERIOD IF SO DIRECTED.

TREES AND SHRUBS SHALL BE PRUNED AS DIRECTED BY THE LANDSCAPE ARCHITECT, PRUNING WILL BE DIRECTED AT THE MAINTENANCE OF THE DENSE FOLIAGE OR MISCELLANEOUS PRUNING AND BENEFICIAL TO THE CONDITION OF THE PLANTS. ANY DAMAGED GROWTH SHALL BE PRUNED. ALL PRUNED MATERIAL SHALL BE REMOVED FROM THE SITE.

ALL MULCHED SURFACES SHALL BE MAINTAINED IN A CLEAN AND TIDY CONDITION AND BE REINSTATED IF NECESSARY TO ENSURE THAT A DEPTH OF 75MM IS MAINTAINED. ENSURE MULCH IS KEPT CLEAR OF PLANT STEMS AT ALL TIMES.

PEST AND DISEASED CONTROL

THE LANDSCAPE CONTRACTOR SHALL SPRAY AGAINST INSECT AND FUNGUS INFESTATION WITH ALL SPRAYING TO BE CARRIED OUT IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. REPORT ALL INSTANCES OF PESTS AND DISEASES (IMMEDIATELY THAT THEY ARE DETECTED) TO THE LANDSCAPE ARCHITECT.

GRASS AND TURF AREAS

THE LANDSCAPE CONTRACTOR SHALL MAINTAIN ALL GRASS AND TURF AREAS BY WATERING, WEEDING, DRESSING, ROLLING, MOWING, TRIMMING OR OTHER OPERATIONS AS NECESSARY, SEED AND TURF SPECIES SHALL BE THE SAME AS THE ORIGINAL SPECIFIED MIXTURE. GRASS AND TURF AREAS SHALL BE SPRAYED WITH APPROVED SELECTIVE HERBICIDE AGAINST BROAD LEAFED WEEDS AS REQUIRED BY THE LANDSCAPE ARCHITECT AND IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. GRASS AND TURF AREAS SHALL BE FERTILISED ONCE A YEAR IN AUTUMN WITH "DYNAMIC LIFTER" FOR LAWNS AT A RATE OF 20KG PER 100M2. FERTILISER SHALL BE WATERED IN IMMEDIATELY AFTER APPLICATION. IRREGULARITIES IN THE GRASS AND TURF SHALL BE WATERED IN IMMEDIATELY AFTER APPLICATION. GRASS AND TURF AREAS SHALL BE KEPT MOWN TO MAINTAIN A HEALTHY AND VIGOROUS SWARD. MOWING HEIGHT: 30-50MM.

WEED ERADICATION

ERADICATE WEEDS BY ENVIRONMENTALLY ACCEPTABLE METHODS USING A NON-RESIDUAL GLYPHOSATE HERBICIDE (EG. 'ROUNDUP') IN ANY OF ITS REGISTERED FORMULAE, AT THE RECOMMENDED MAXIMUM RATE. REGULARLY REMOVE BY HAND, WEED GROWTH THAT MAY OCCUR OR RECUR THROUGHOUT GRASSED, PLANTED AND MULCHED AREAS. REMOVE WEED GROWTH FROM AN AREA 750MM DIAMETER AROUND THE BASE OF TREES IN GRASSED AREAS. CONTINUE FRADICATION THROUGHOUT THE COURSE OF THE WORKS AND DURING THE MAINTENANCE PERIOD.

SOIL SUBSIDENCE

ANY SOIL SUBSIDENCE OR EROSION WHICH MAY OCCUR AFTER THE SOIL FILLING AND PREPARATION OPERATIONS SHALL BE MADE GOOD BY THE LANDSCAPE CONTRACTOR AT NO COST TO THE CLIENT.

> DA DRAF VO MB 01.07.22 DA DA EW MB 06.09.22

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Not for Construction

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New Hope Group

Area 1, 2, 4

Drawing Name Landscape Specification

Job No. 21-795 Issue

