29 - 57 CHRISTIE STREET ST LEONARDS, NEW SOUTH WALES

DRAWING SCHEDULE

DRAWING NO.	DRAWING TITLE
000	COVER SHEET
102 103	EXISTING SITE FEATURES EXISTING SITE FEATURES EXISTING SITE FEATURES EXISTING SITE FEATURES EXISTING SITE FEATURES EXISTING SITE FEATURES EXISTING SITE FEATURES
107 108 109 110 111 112 113	TREE RETENTION AND REMOVAL TREE RETENTION AND REMOVAL
115 116	LANDSCAPED AREAS LANDSCAPED AREAS LANDSCAPED AREAS LANDSCAPED AREAS LANDSCAPED AREAS LANDSCAPED AREAS LANDSCAPED AREAS
122 123 124 125	LANDSCAPE PLAN LANDSCAPE PLAN LANDSCAPE PLAN LANDSCAPE PLAN LANDSCAPE PLAN LANDSCAPE PLAN LANDSCAPE PLAN - TERRACE LO4-LO6 LANDSCAPE PLAN - TERRACE LO4-LO6 LANDSCAPE PLAN - ROOFTOP L7 LANDSCAPE PLAN - ROOFTOP L7 LANDSCAPE PLAN - ROOFTOP L10
132 133 134	LANDSCAPE CROSS SECTION A LANDSCAPE CROSS SECTION B LANDSCAPE CROSS SECTION C
135 136 137	LANDSCAPE DETAILS - HARDWORKS LANDSCAPE DETAILS - FURNITURE LANDSCAPE DETAILS - SOFTWORKS
138	LANDSCAPE SPECIFICATION

GROUND LEVELS





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LEVEL 04-06 TYPICAL



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DATE 22 April 2021

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EXISTING TREE SCHEDULE

REFER ARBORIST REPORT FOR ADDITIONAL INFORMATION

TREES WITHIN SITE BOUNDARY

Tree	Genus & Species	Height	DBH/ DAGL	Crown Spread	Tree	Genus & Species	Height	DBH/ DAGL	Crown Spread	Tree	Genus & Species	Height	DBH/ DAGL	Crown Spread	Tree	Genus & Species	Height	DBH/ DAGL	Crown Spread	Tree	Genus & Species	Height	DBH/ DAGL
C1 Street Tree	Eucalyptus sideropholia (Grey	12m	450/520 mm	25m2	11	Platanus acerifolius (London Plane Tree)	15m	280/ 330mm	15m2	21B Street Tree	<i>Eucalyptus paniculata</i> (Grey Ironbark)	17m	450/ 590 mm	30m2	34	Casuarina cunninghamiana (River She-Oak) Casuarina	7m	170/ 240mm 240/	10m2	47	Casuarina cunninghamiana (River She-Oak)	8m	260/ 330mm
1	Ironbark) Platanus				12	<i>Banksia serrata</i> (Old Man Banksia)	5m	240/ 290mm	15m2	22	Casuarina cunninghamiana (River She-Oak)	12m	350/480 mm	20m2	55	cunninghamiana (River She-Oak)	8m	310mm	15m2	48	Casuarina cunninghamiana (River She-Oak)	6m	200/ 250mm
-	<i>acerifolius</i> (London Plane Tree)	20m	480/540 mm	30m2	13	Casuarina cunninghamiana (River She-Oak)	22m	640/ 700mm	25m2	23	<i>Casuarina cunninghamiana</i> (River She-Oak)	15m	510/ 540mm	30m2	36	Casuarina cunninghamiana (River She-Oak)	12m	190x220/ 430mm	20m2	49	Casuarina cunninghamiana (River She-Oak)	7m	150/ 210mm
2	<i>Eucalyptus saligna</i> (Sydney Blue Gum)	22m	570/ 650mm	40m2	14	Casuarina cunninghamiana (River She-Oak)	22m	440/ 550mm	25m2	24	Casuarina cunninghamiana (River She-Oak)	7m	140/ 180mm	15m2	37	<i>Casuarina cunninghamiana</i> (River She-Oak)	11m	210/ 280mm	15m2	50	<i>Casuarina cunninghamiana</i> (River She-Oak)	12m	280/ 350mm
3	<i>Platanus acerifolius</i> (London Plane Tree)	12m	360/ 380mm	20m2	15	<i>Casuarina cunninghamiana</i> (River She-Oak)	20m	440/ 550mm	25m2	25	<i>Casuarina cunninghamiana</i> (River She-Oak)	12m	380/ 500mm	15m2	38	<i>Casuarina cunninghamiana</i> (River She-Oak)	16m	240/ 330mm	20m2	51	<i>Casuarina cunninghamiana</i> (River She-Oak)	8m	210/ 280mm
4	<i>Platanus acerifolius</i> (London Plane Tree)	12m	280/ 290mm	20m2	16	Casuarina cunninghamiana (River She-Oak)	21m	330/ 450mm	25m2	26	Casuarina cunninghamiana (River She-Oak)	12m	360/ 440mm	20m2	39	Casuarina cunninghamiana (River She-Oak)	18m	510/ 560mm	20m2	52	Casuarina cunninghamiana (River She-Oak)	7m	170/ 240mm
5	Platanus acerifolius (London Plane Tree)	12m	390/ 370mm	20m2	17	<i>Casuarina cunninghamiana</i> (River She-Oak)	18m	260/ 320mm	20m2	27	<i>Casuarina cunninghamiana</i> (River She-Oak)	10m	300/ 350mm	20m2	40	Casuarina cunninghamiana (River She-Oak)	15m	290/ 370mm	20m2	53	<i>Casuarina cunninghamiana</i> (River She-Oak)	12m	350/ 410mm
6	<i>Platanus acerifolius</i> (London Plane Tree)	12m	330/ 340mm	20m2	18	Casuarina cunninghamiana (River She-Oak)	25m	310/ 430mm	20m2	28	<i>Casuarina cunninghamiana</i> (River She-Oak)	12m	350/ 470mm	20m2	41	Casuarina cunninghamiana (River She-Oak)	12m	220/ 370mm	20m2	54	Casuarina cunninghamiana (River She-Oak)	<mark>6</mark> m	120/ 180mm
7	<i>Platanus acerifolius</i> (London Plane Tree)	12m	410/ 380mm	30m2	19	Casuarina cunninghamiana (River She-Oak)	15m	220/ 290mm	15m2	29	Castonospermum australe (Bean Tree)	6m	200/ 240mm	15m2	42	<i>Casuarina cunninghamiana</i> (River She-Oak)	12m	280/ 350mm	20m2	55	<i>Casuarina cunninghamiana</i> (River She-Oak)	17m	370/ 580mm
8	Platanus acerifolius (London Plane Tree)	13m	460/ 440mm	30m2	20	Casuarina cunninghamiana (River She-Oak)	15m	350/ 430mm	15m2	30	<i>Casuarina cunninghamiana</i> (River She-Oak)	10m	280/ 380mm	15m2	43	<i>Casuarina cunninghamiana</i> (River She-Oak)	12m	320/ 420mm	20m2			1	1
9	<i>Platanus acerifolius</i> (London Plane Tree)	14m	470/ 470mm	30m2	21	Informal hedge <i>Syzygium</i> <i>australe</i> (Lilly Pilly)	9m	280/ 320mm	60m2	31	<i>Casuarina cunninghamiana</i> (River She-Oak)	20m	400/ 490mm	20m2	44	Casuarina cunninghamiana (River She-Oak)	10m	280/ 330mm	15m2				
10	Platanus acerifolius (London Plane tree)	12m	230/ 270mm	15m2	20A Street Tree	Eucalyptus saligna (Sydney Blue	17m	420/ 520mm	20m2	32	Casuarina cunninghamiana (River She-Oak)	16m	350/ 480mm	20m2	45	Casuarina cunninghamiana (River She-Oak)	9m	230/ 330mm	15m2				
		1	1			Gum)				33	Casuarina cunninghamiana (River She-Oak)	10m	260/ 330mm	15m2	46	Casuarina cunninghamiana (River She-Oak)	9m	230/ 300mm	15m2				



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OXLEY S	TREET	TREES
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Crown Spread

15m2

15m2

10m2

20m2

15m2

15m2

20m2

10m2

20m2

Tree	Genus & Species	Height	DBH/ DAGL	Crowr Sprea
01	<i>Eucalyptus</i> scoparia (Wallangarra White Gum)	8m	270/ 320mm	20m2
02	<i>Eucalyptus</i> <i>scoparia</i> (Wallangarra White Gum)	8m	330/ 410mm	20m2
Group A	Casuarina cunninghamiana (River Oak)	15m	450/ 530mm	30m2
Group A	Casuarina cunninghamiana (River Oak)	10m	320/ 410mm	25m2
Group A	Casuarina cunninghamiana (River Oak)	12m	300/ 400mm	20m2
Group A	Casuarina cunninghamiana (River Oak)	16m	460/ 580mm	30m2
Group A	Casuarina cunninghamiana (River Oak)	14m	300/ 400mm	20m2
03	<i>Eucalyptus</i> <i>scoparia</i> (Wallangarra White Gum)	8m	300/ 350mm	20m2
04	<i>Eucalyptus scoparia</i> (Wallangarra White Gum)	9m	310/ 430mm	20m2

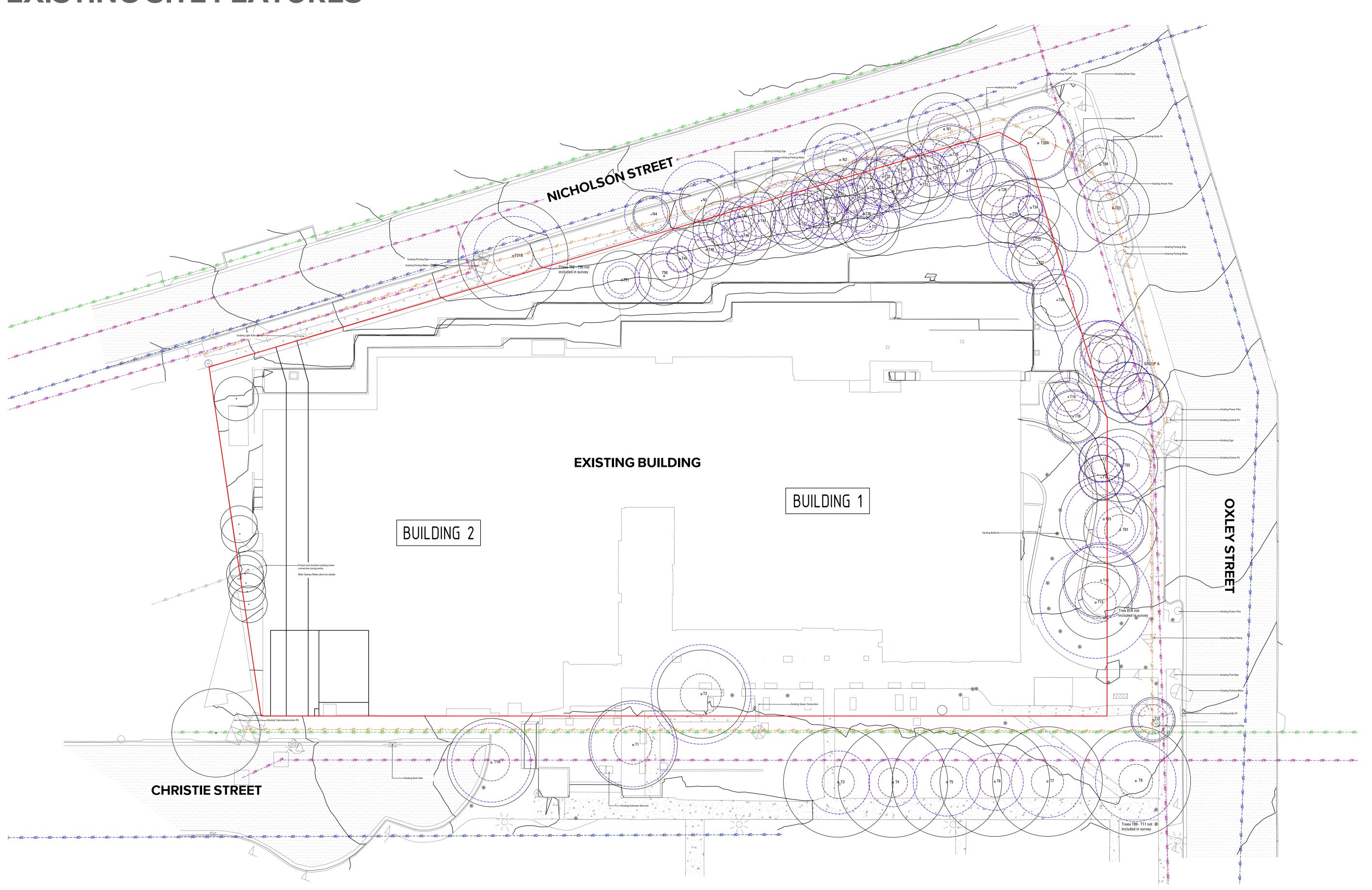
NICHOLSON STREET TREES

Tree	Genus & Species	Height	DBH/ DAGL	Crown Spread
20A	<i>Eucalyptus saligna</i> (Sydney Blue Gum)	17m	420/ 520mm	20m2
N1	<i>Eucalyptus</i> <i>scoparia</i> (Wallangarra White Gum)	8m	310/ 370mm	20m2
N2	<i>Eucalyptus scoparia</i> (Wallangarra White Gum)	7m	310/ 380mm	20m2
21B	Eucalyptus paniculata (Grey Ironbark)	14m	370/ 410mm	30m2
N3	<i>Eucalyptus</i> <i>scoparia</i> (Wallangarra White Gum)	8m	310/ 380mm	20m2
N4	<i>Eucalyptus</i> <i>scoparia</i> (Wallangarra White Gum)	7m	310/ 380mm	15m2

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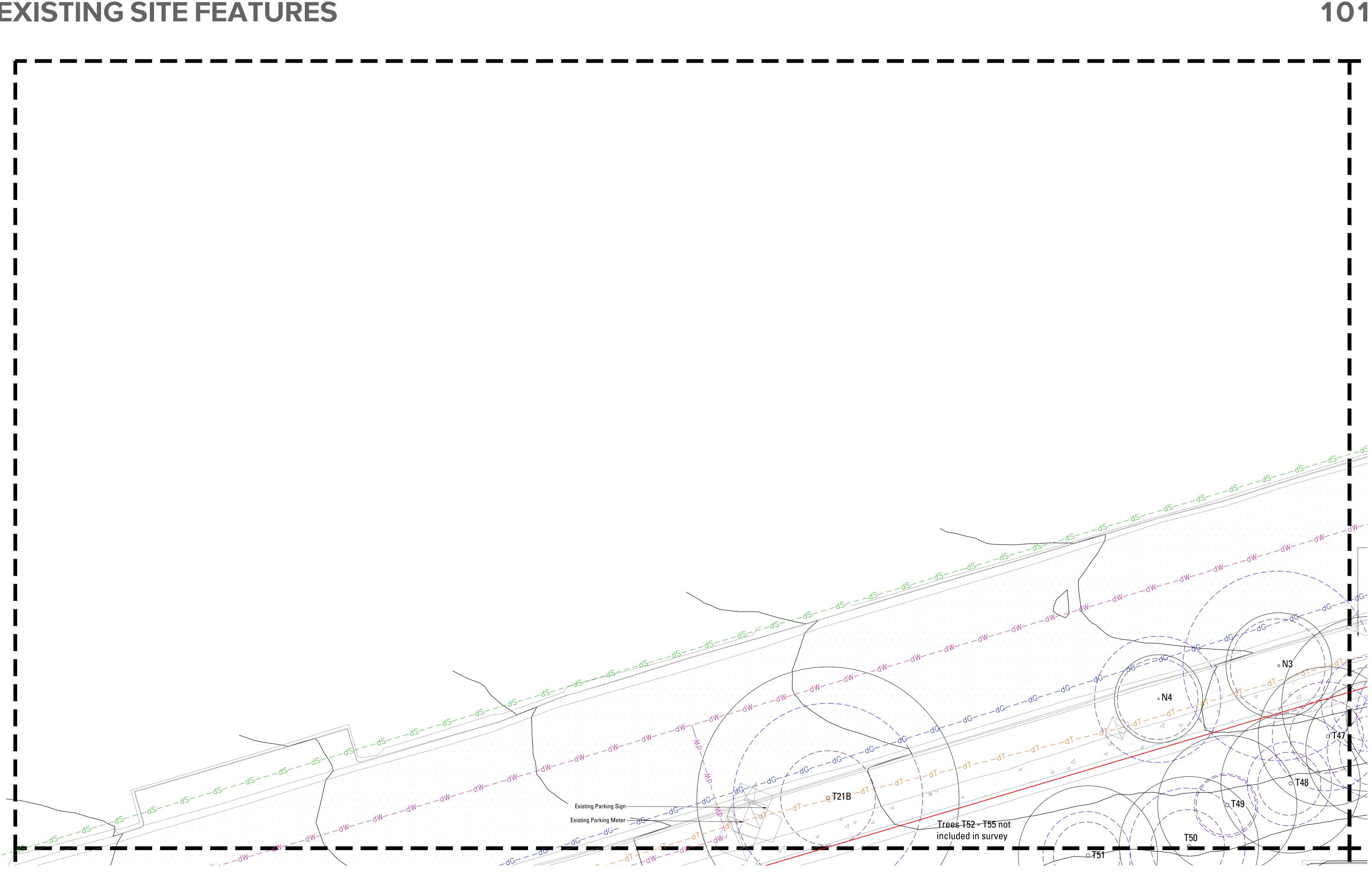
• SITE TREE Refer Survey Drawing for TPZ (Tree Protection Zone) Refer Arborist Report SRZ (Structural Root Zone) Refer Arborist Report





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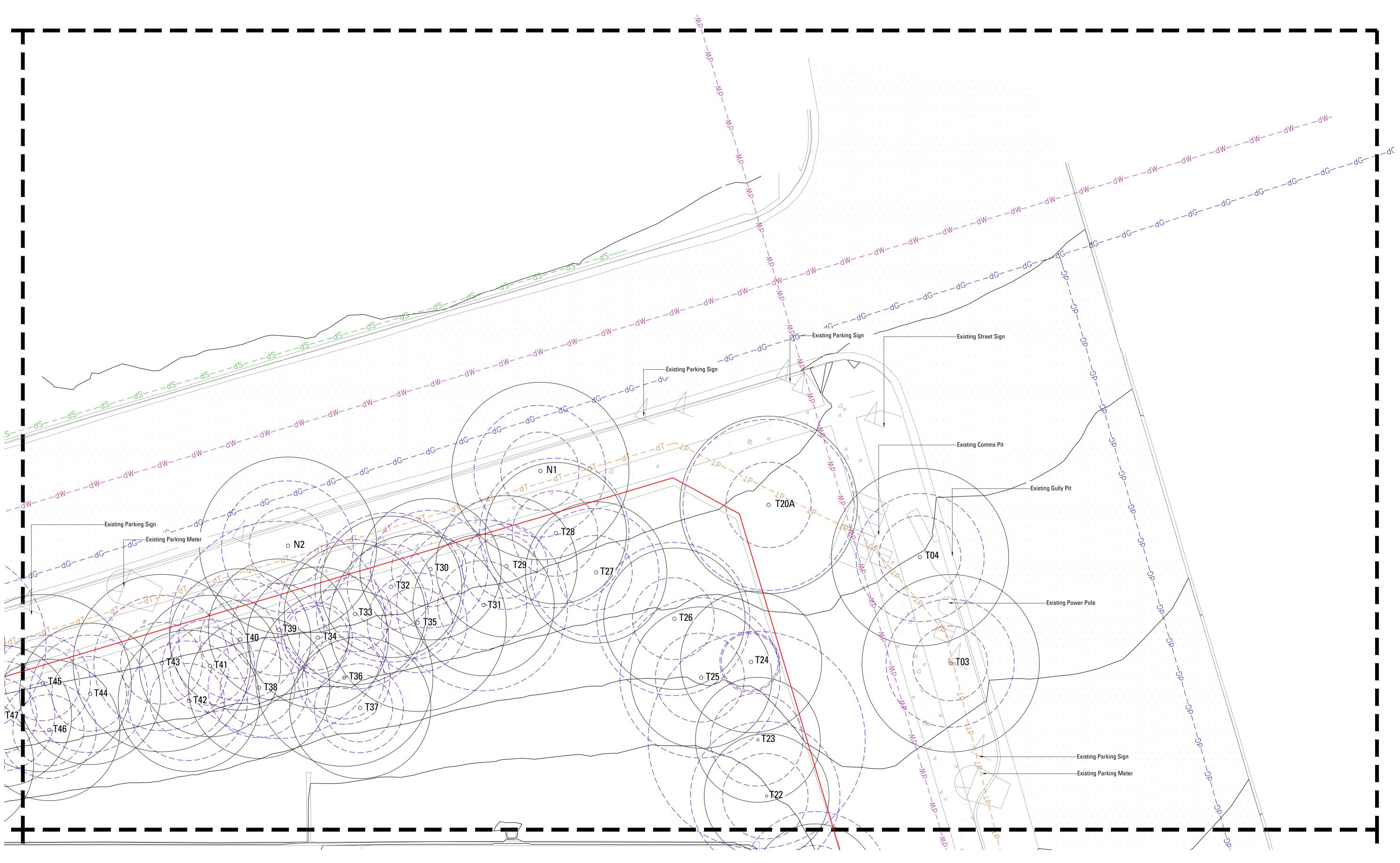
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. SITE TREE Refer Survey Drawin TPZ (Tree Protection Zone Refer Arborist Report SRZ (Structural Root Zone) Refer Arborist Report



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• SITE TREE Refer Survey Drawing for TPZ (Tree Protection Zone) Refer Arborist Report SRZ (Structural Root Zone) Refer Arborist Report



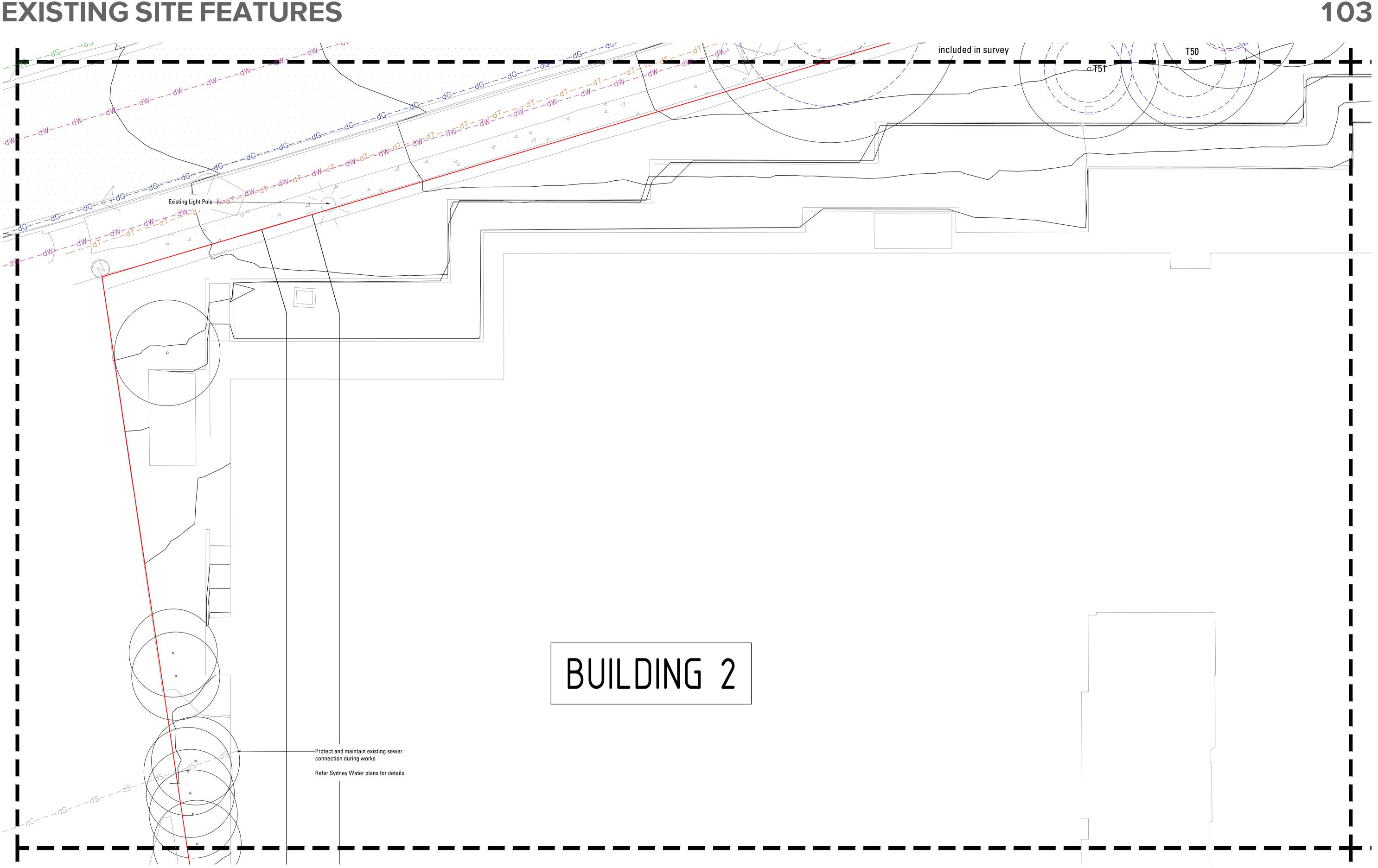
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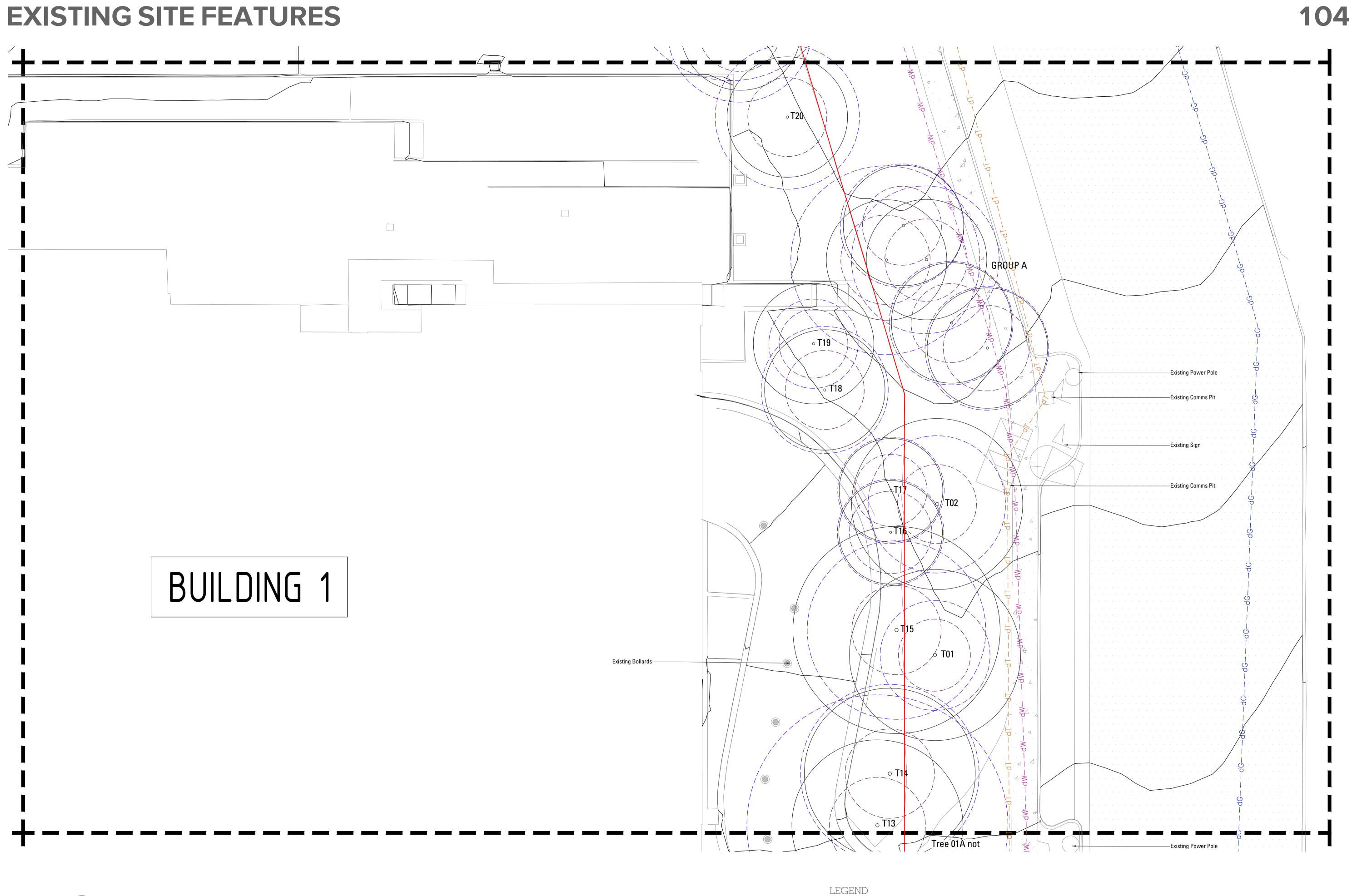
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SITE TREE Refer Survey Drawing for more informatic TPZ (Tree Protection Zone) Refer Arborist Report SRZ (Structural Root Zone) Refer Arborist Report



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SITE TREE Refer Survey Drawing for more informatic



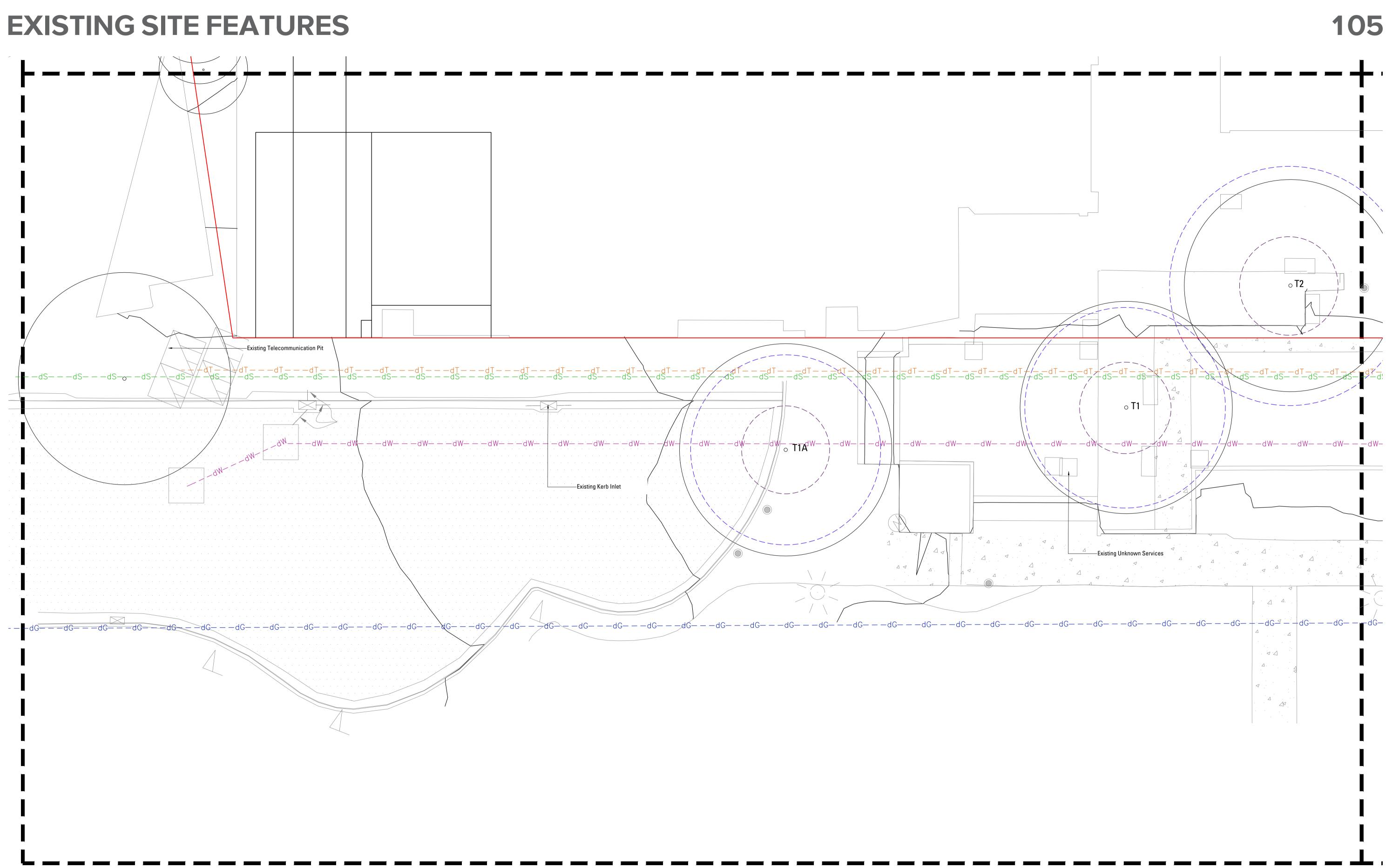


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• SITE TREE Refer Survey Drawing for ma TPZ (Tree Protection Zone) Refer Arborist Report SRZ (Structural Root Zone) Refer Arborist Report



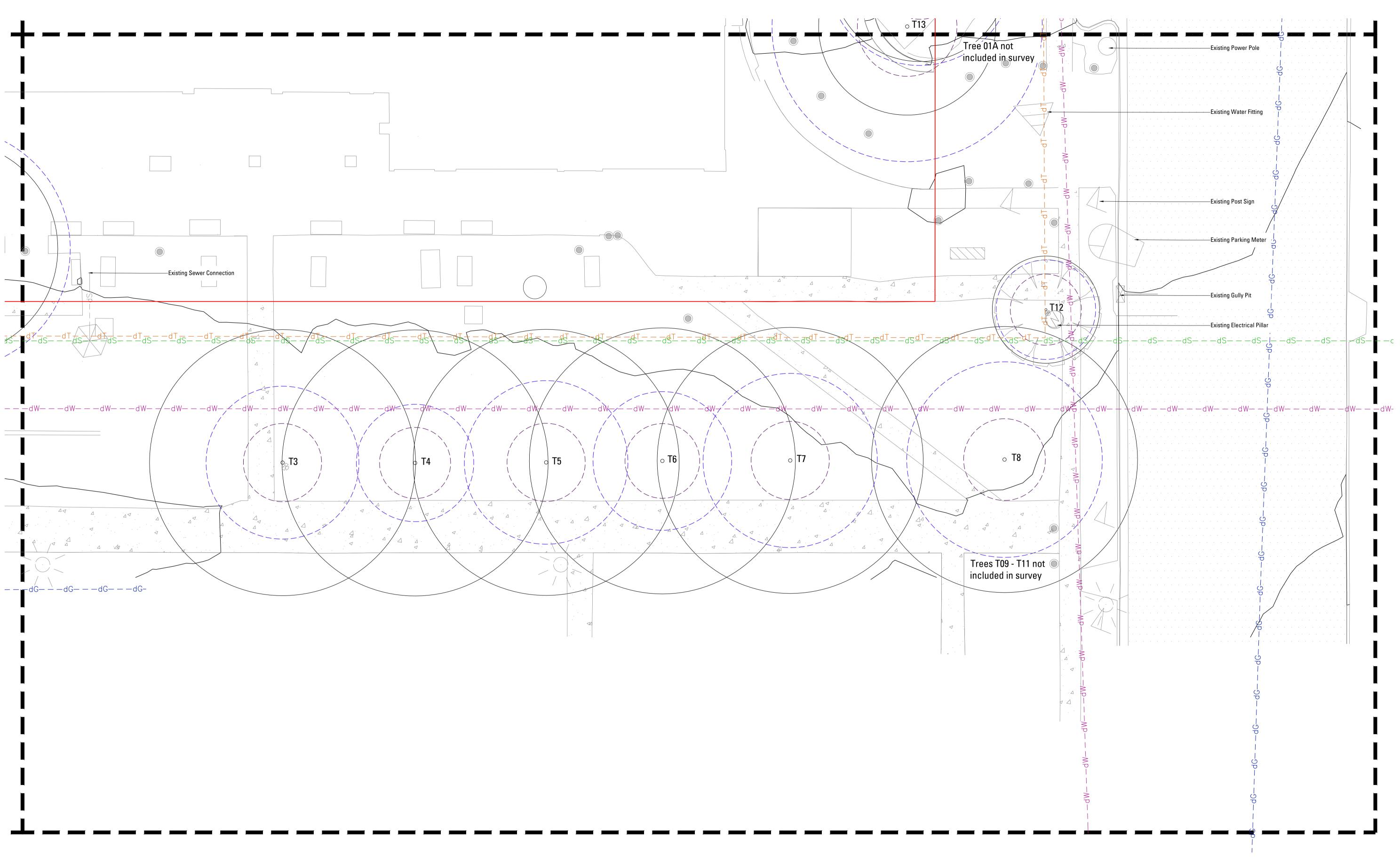
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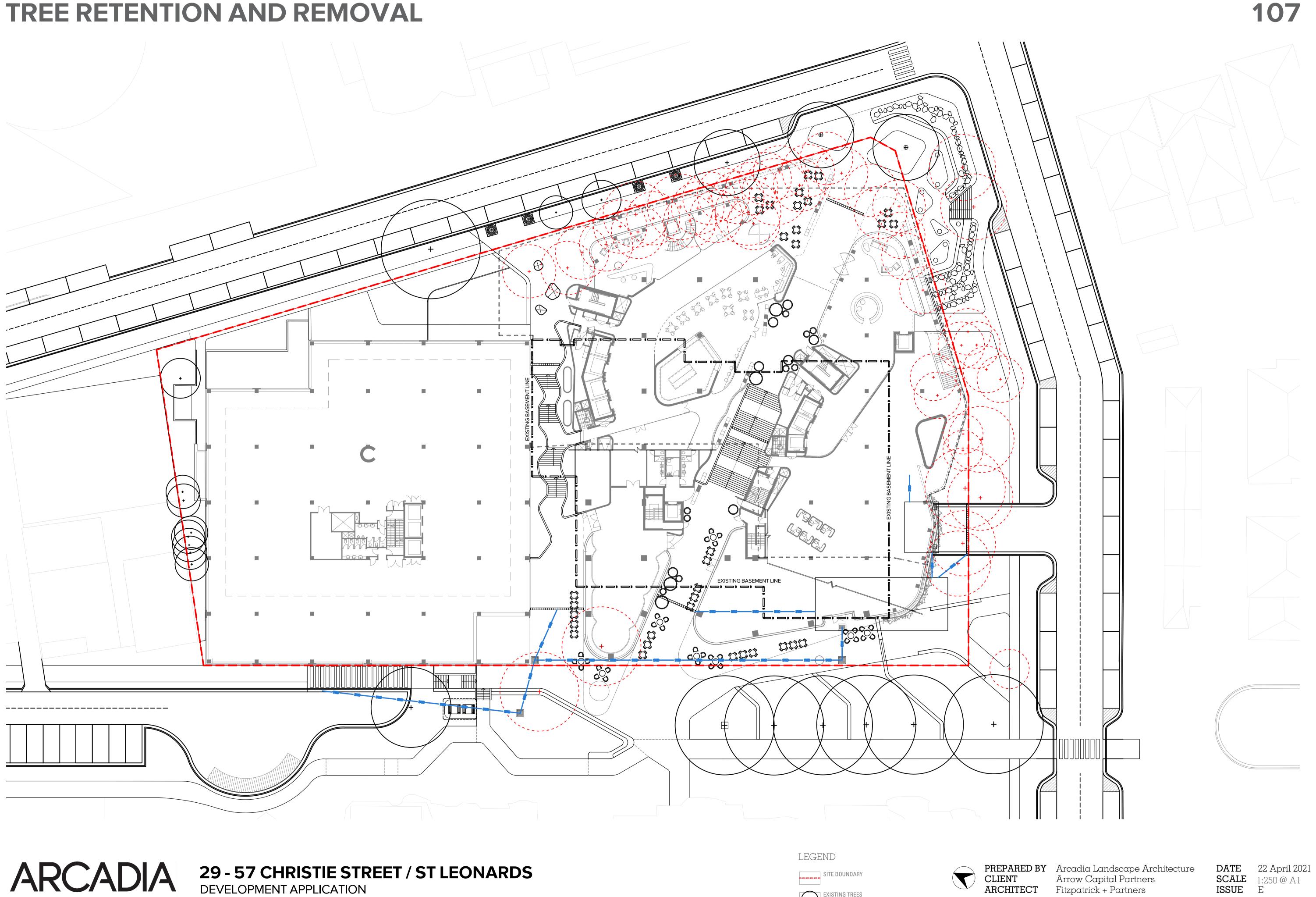
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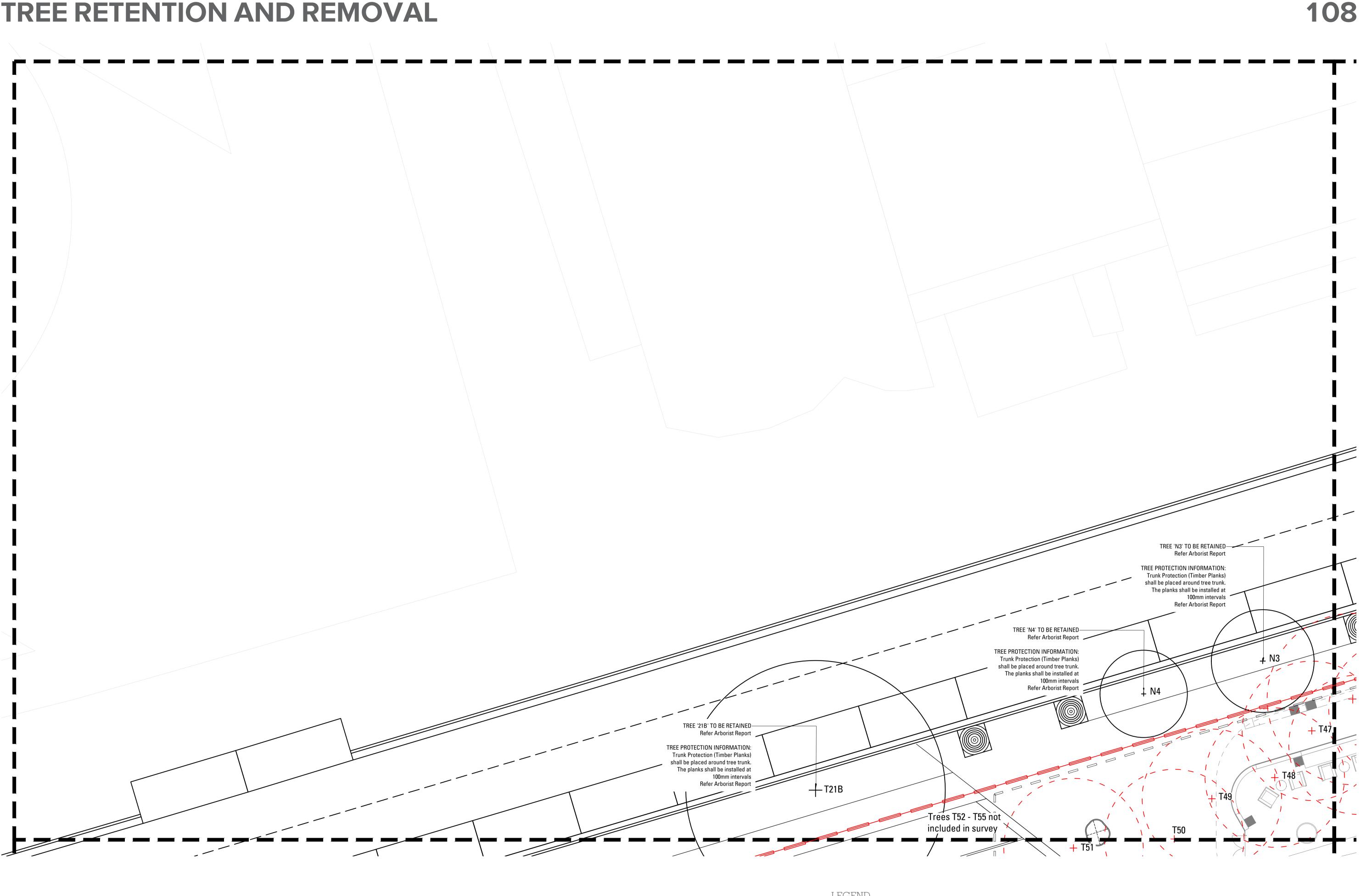
29 - 57 CHRISTIE STREET / ST LEONARDS DEVELOPMENT APPLICATION

SITE BOUNDARY











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LEGEND

SITE BOUNDARY



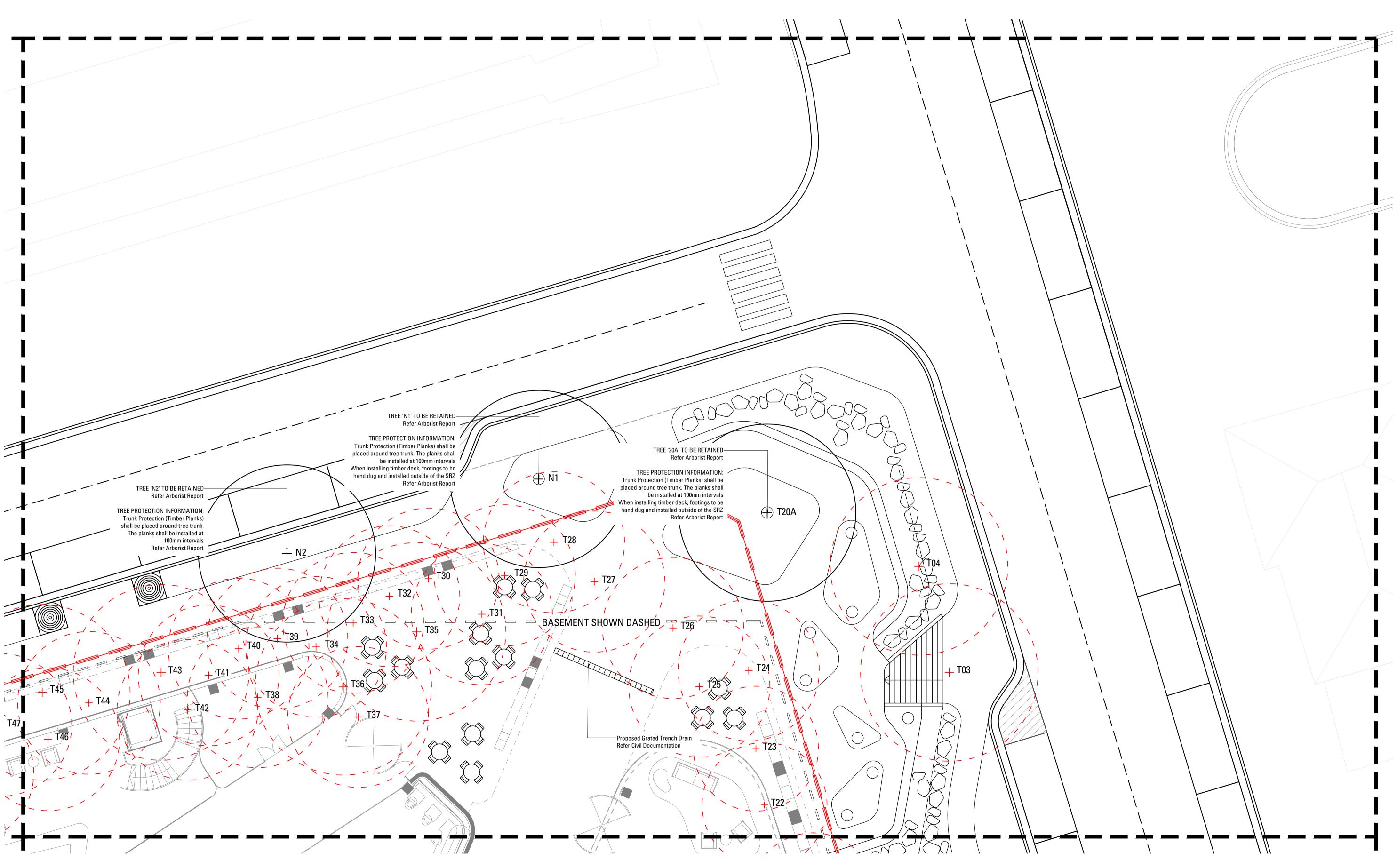
EXISTING TREES TO BE REMOVED





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SITE BOUNDARY









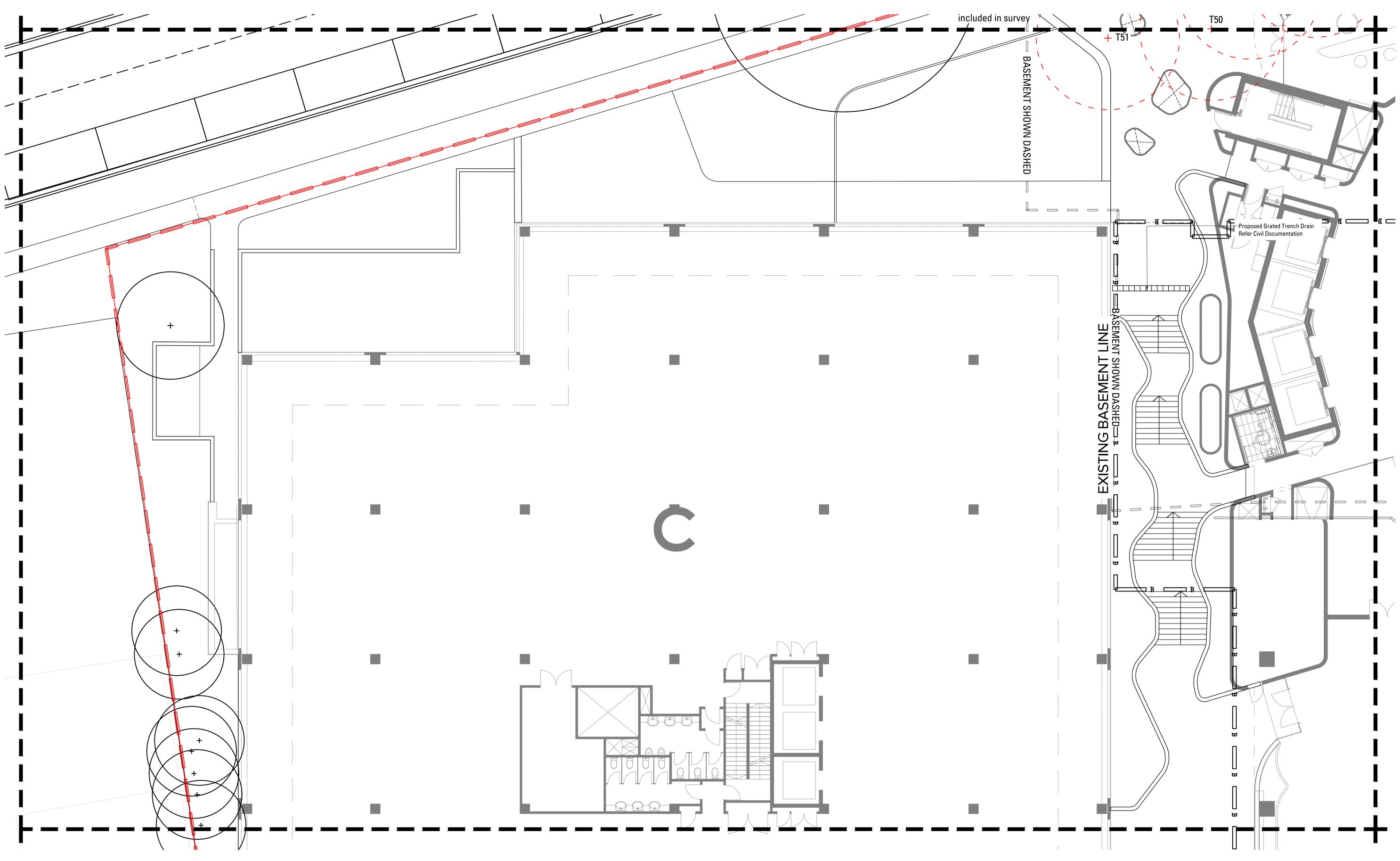


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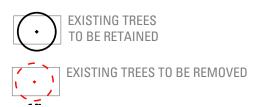


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LEGEND

SITE BOUNDARY

EXISTING TREES TO BE RETAINED







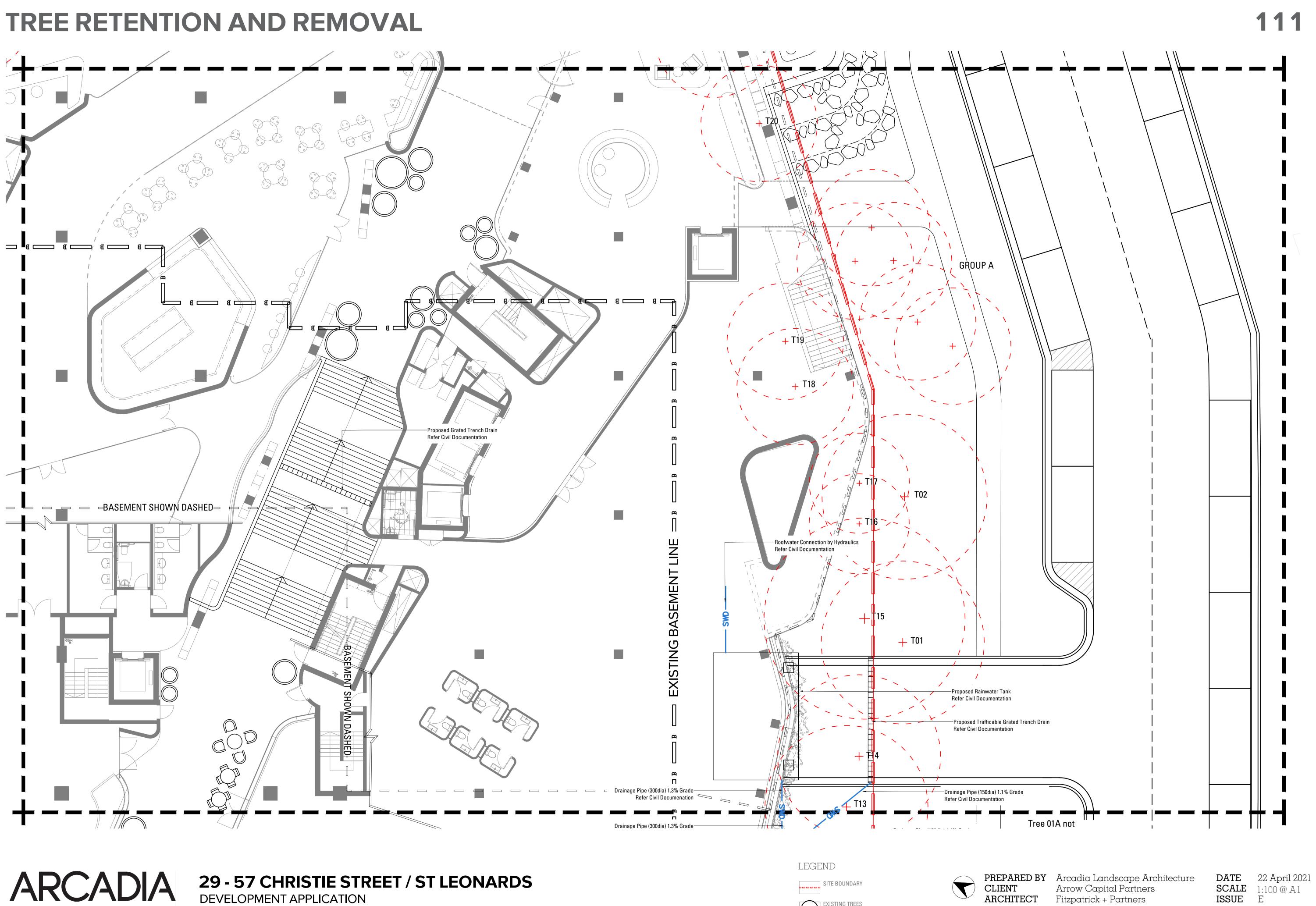
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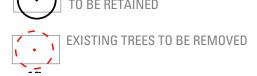
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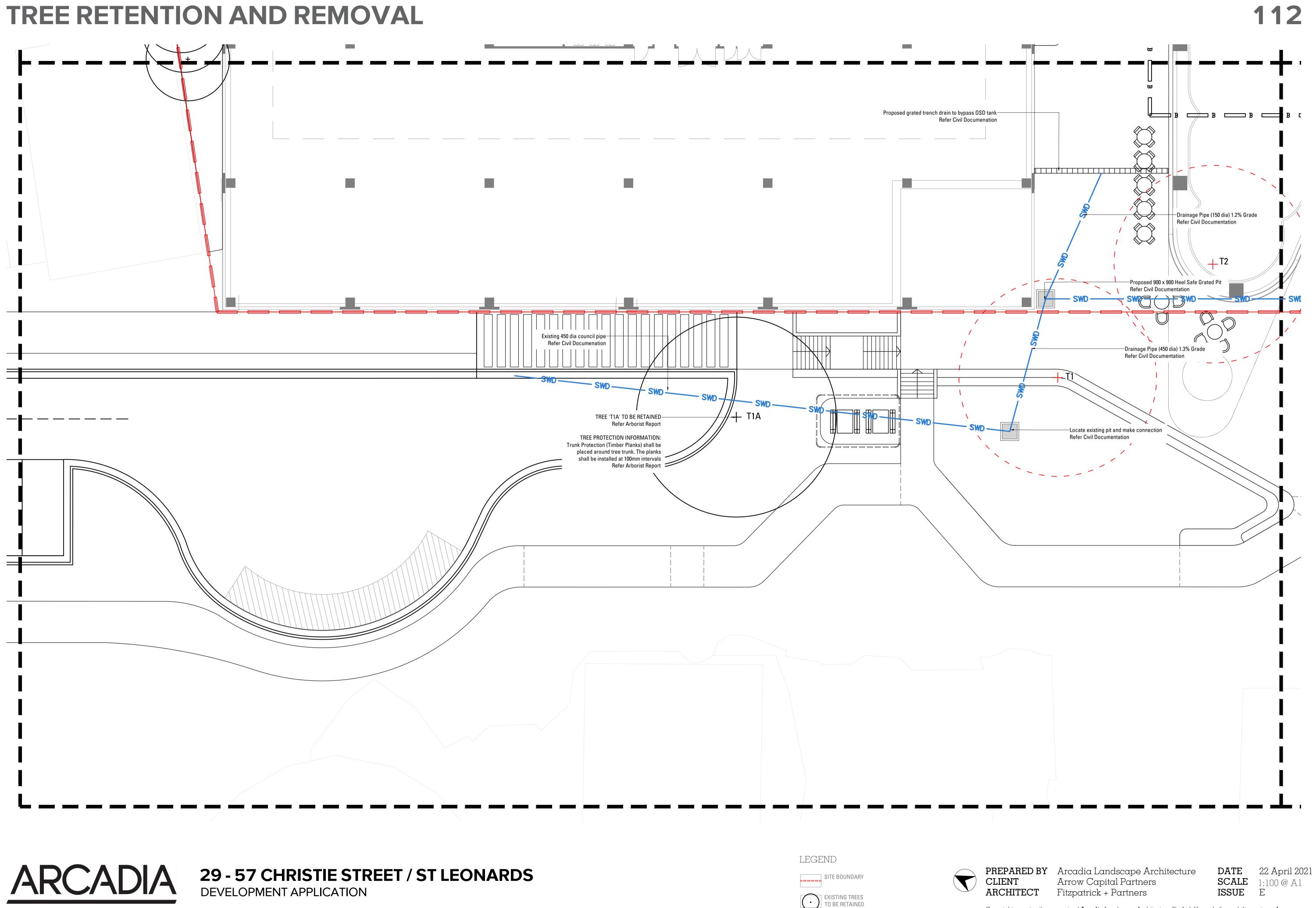
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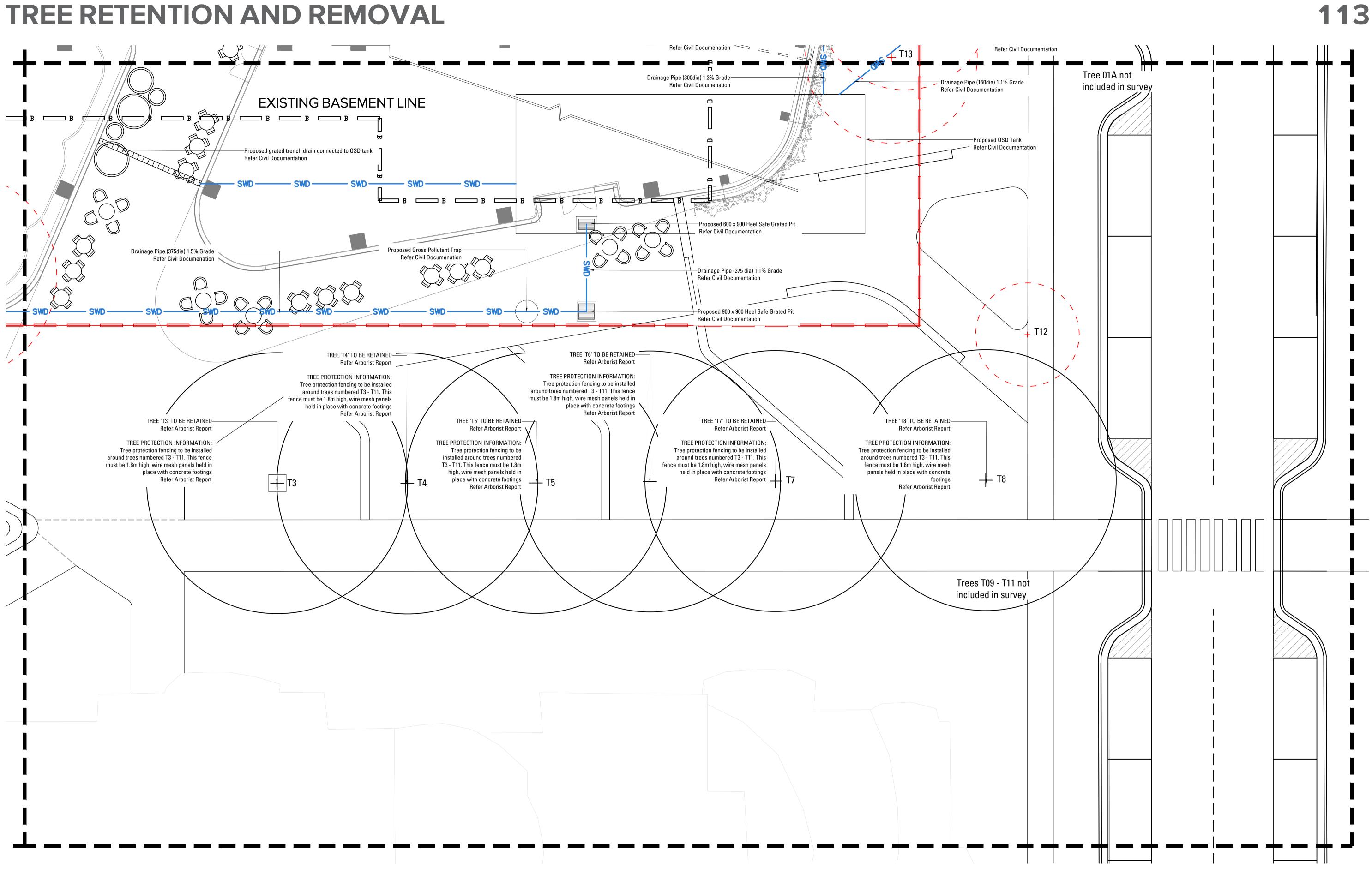


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 (\cdot) EXISTING TREES TO BE REMOVED



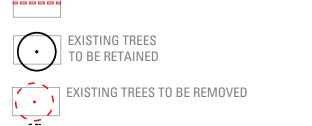
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LEGEND

SITE BOUNDARY

EXISTING TREES TO BE RETAINED (•

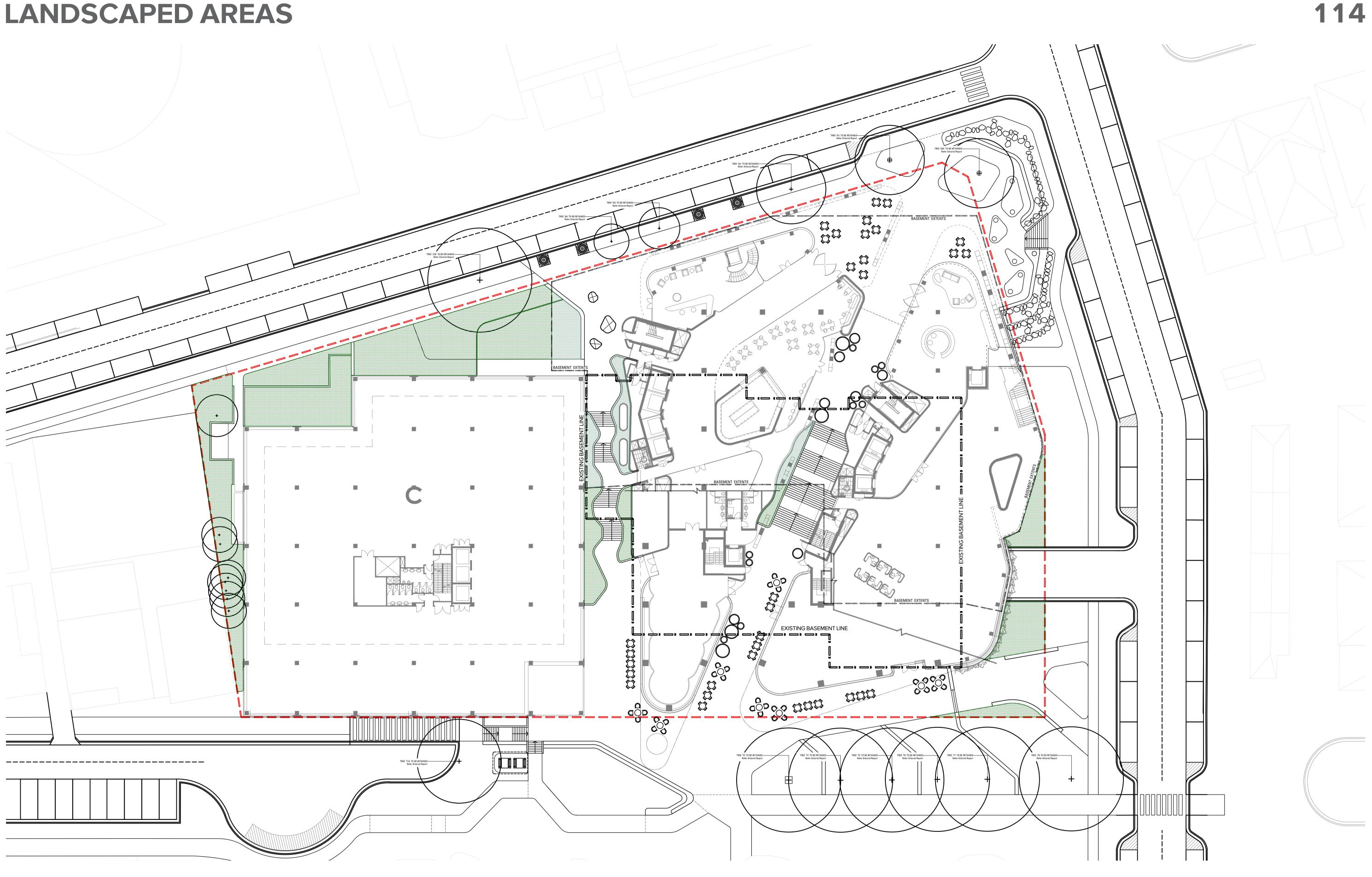


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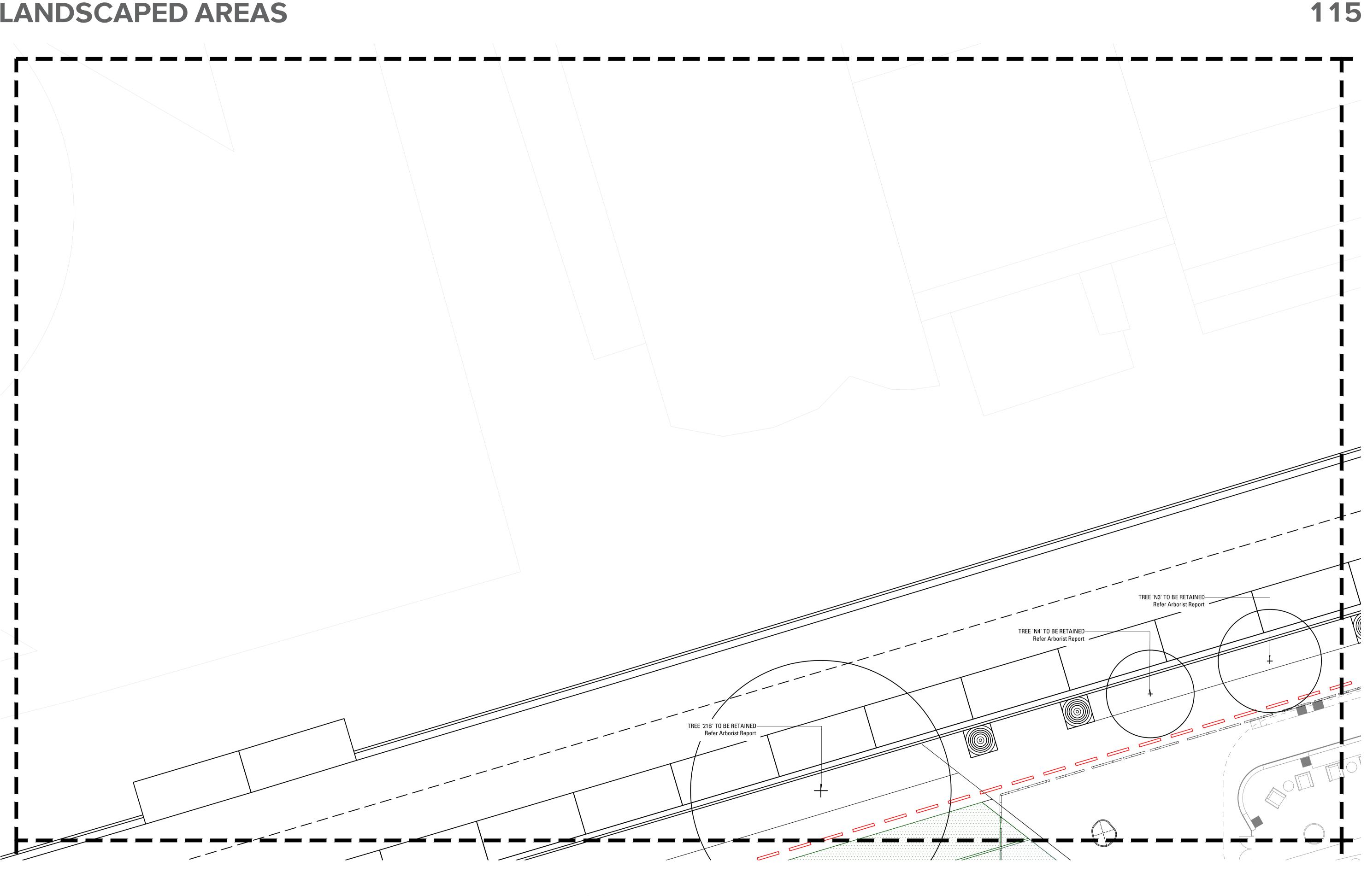






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LEGEND

DEEP SOIL PLANTING

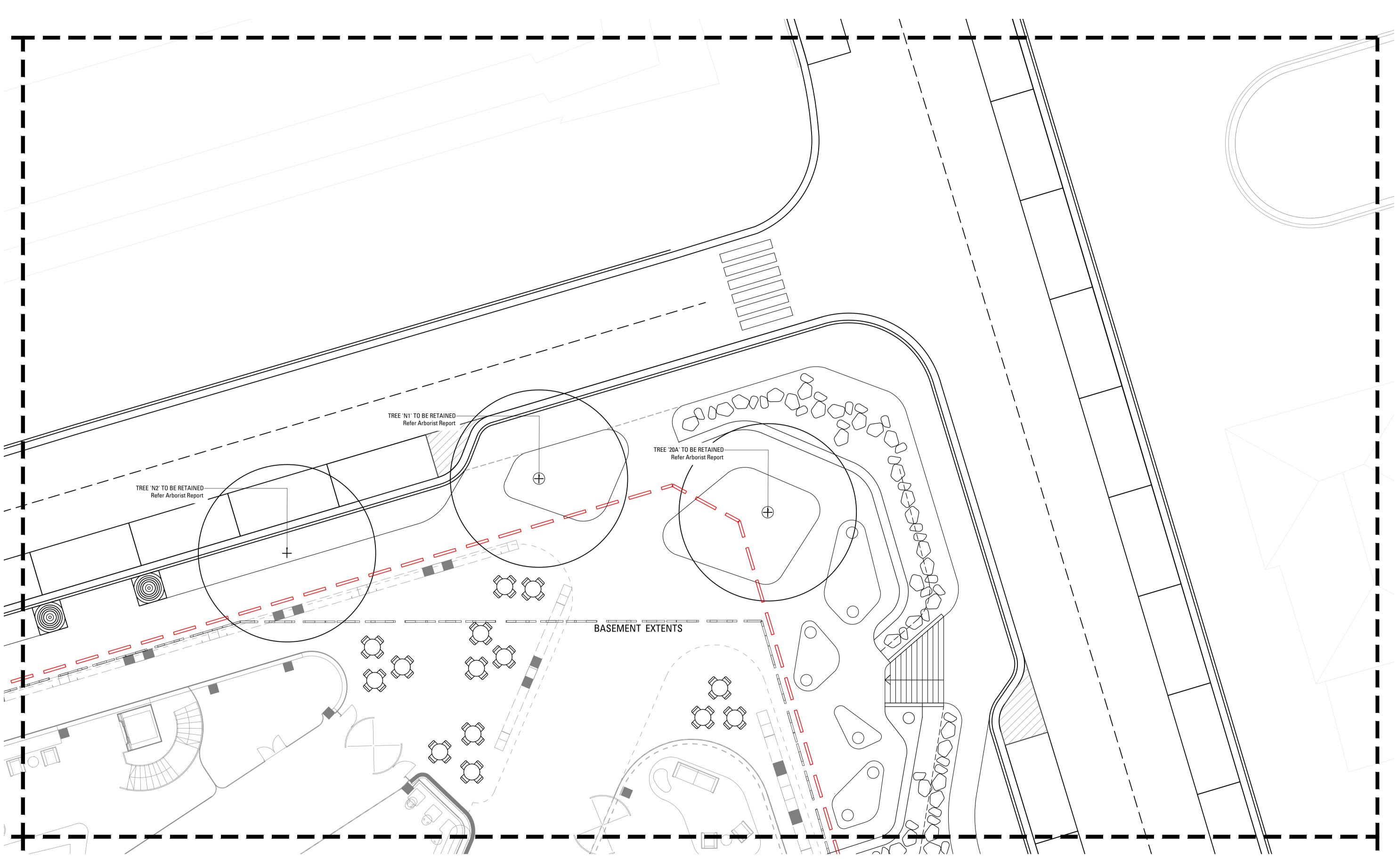
ON STRUCTURE PLANTING

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DEEP SOIL PLANTING ON STRUCTURE PLANTING

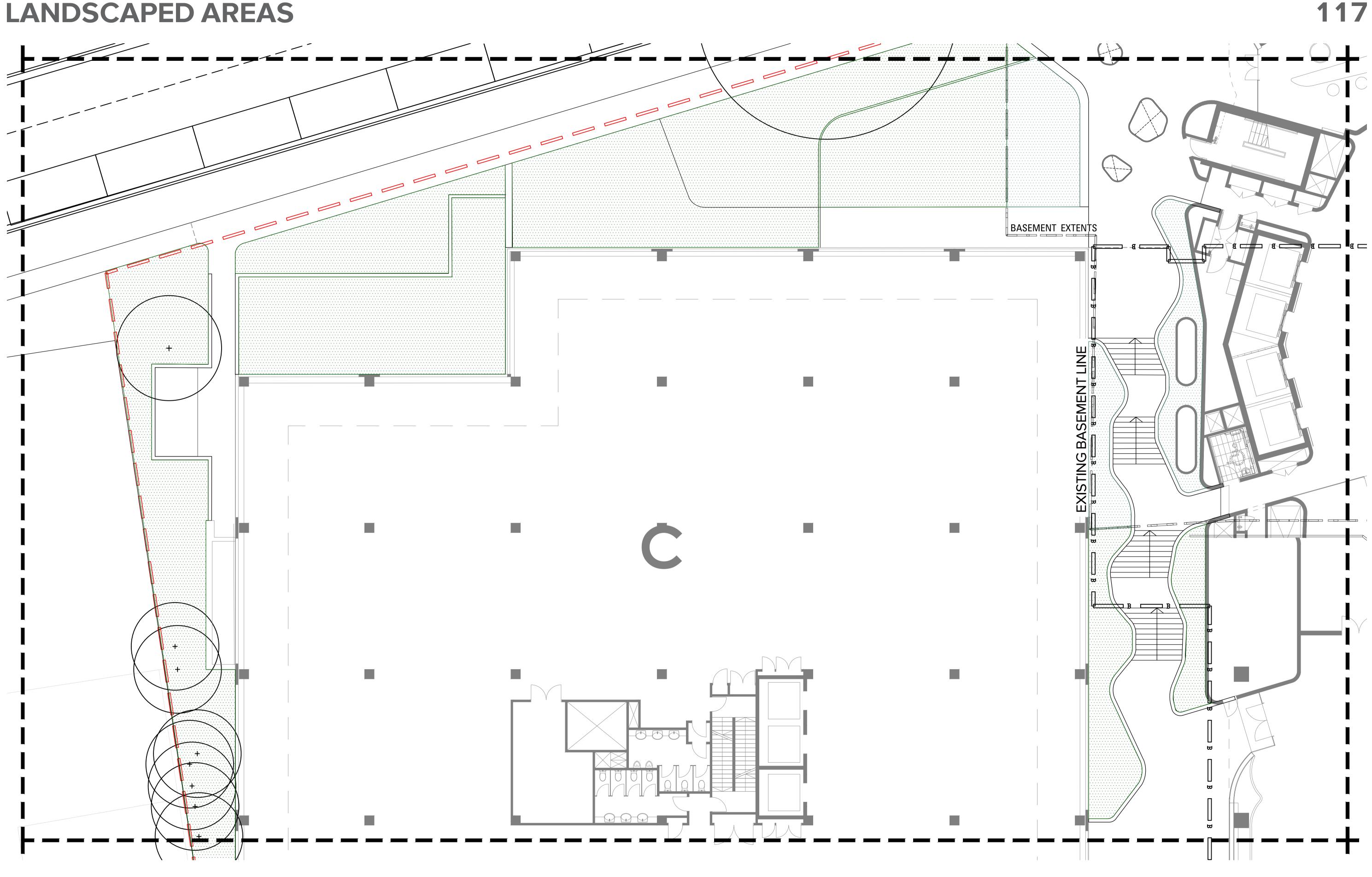




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DEEP SOIL PLANTING

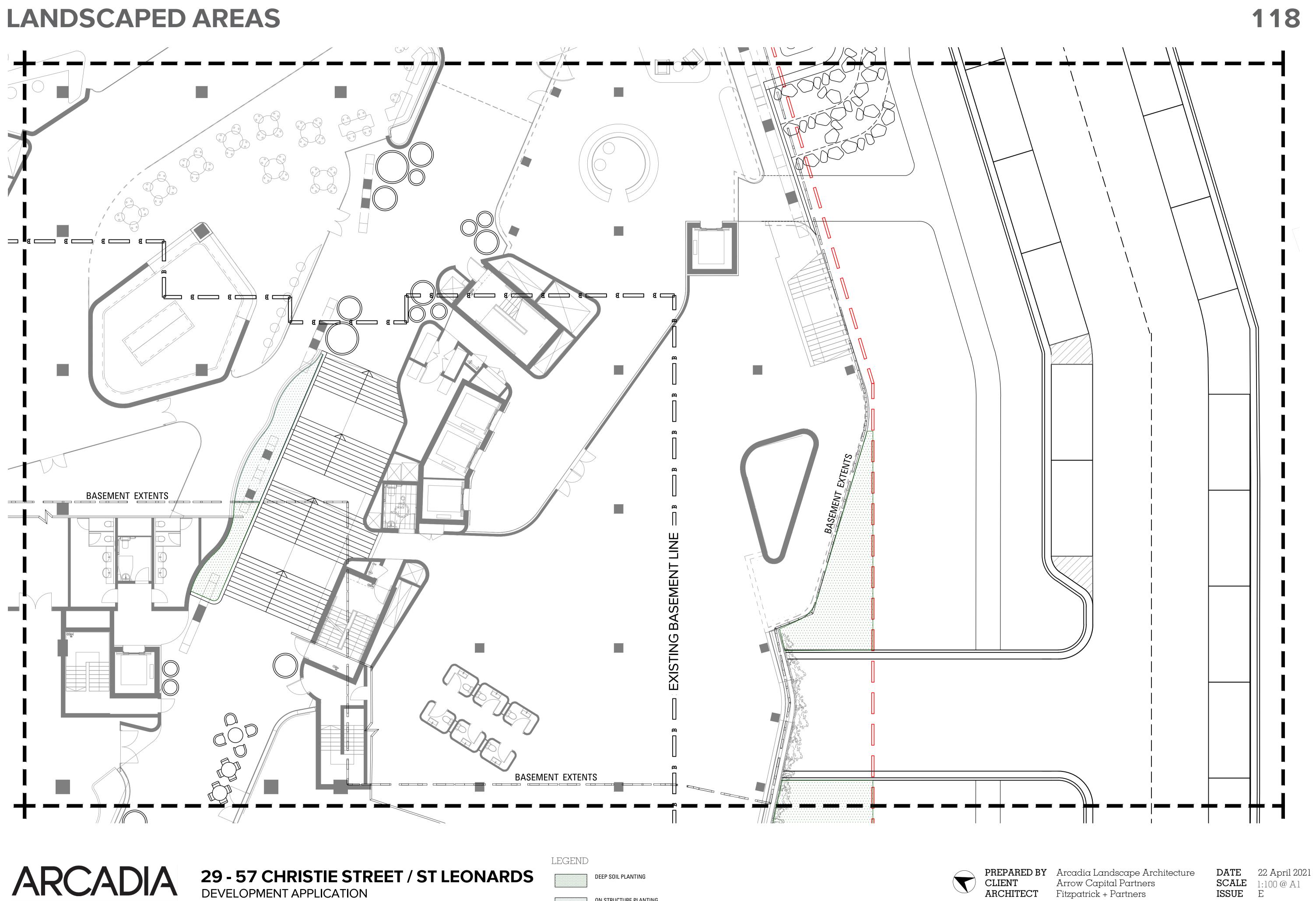
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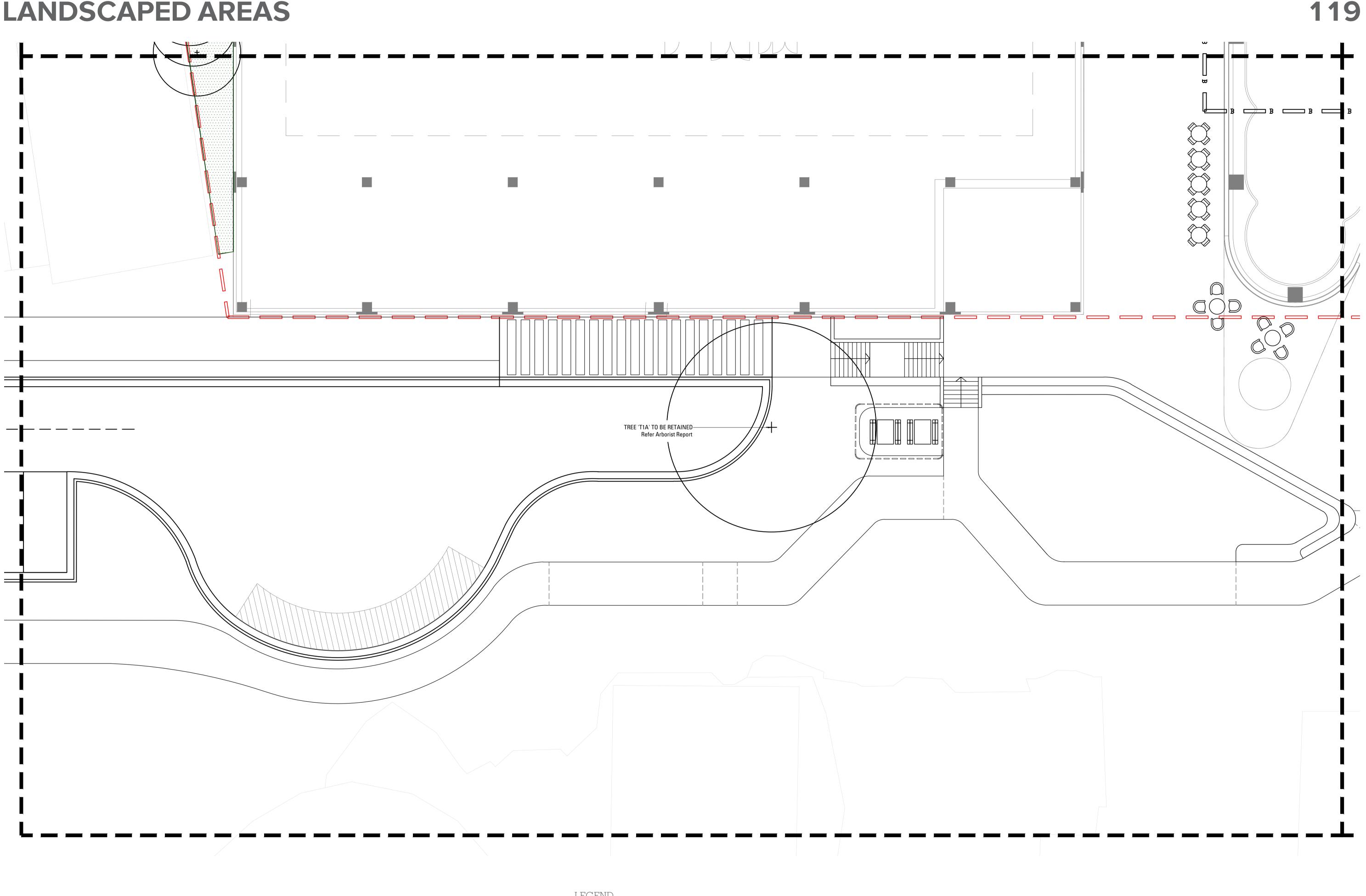
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ON STRUCTURE PLANTING







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LEGEND

DEEP SOIL PLANTING





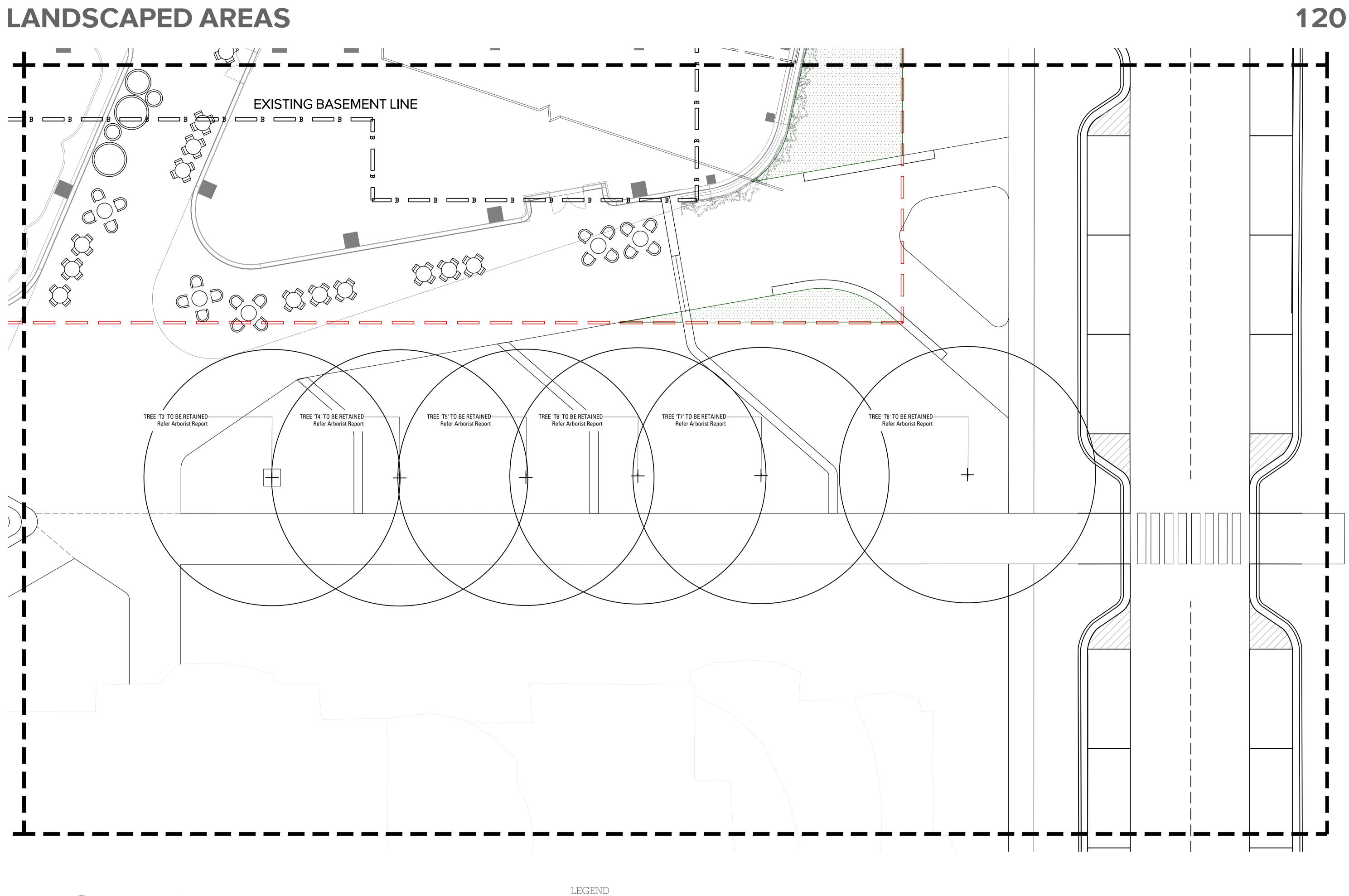
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DEEP SOIL PLANTING

ON STRUCTURE PLANTING

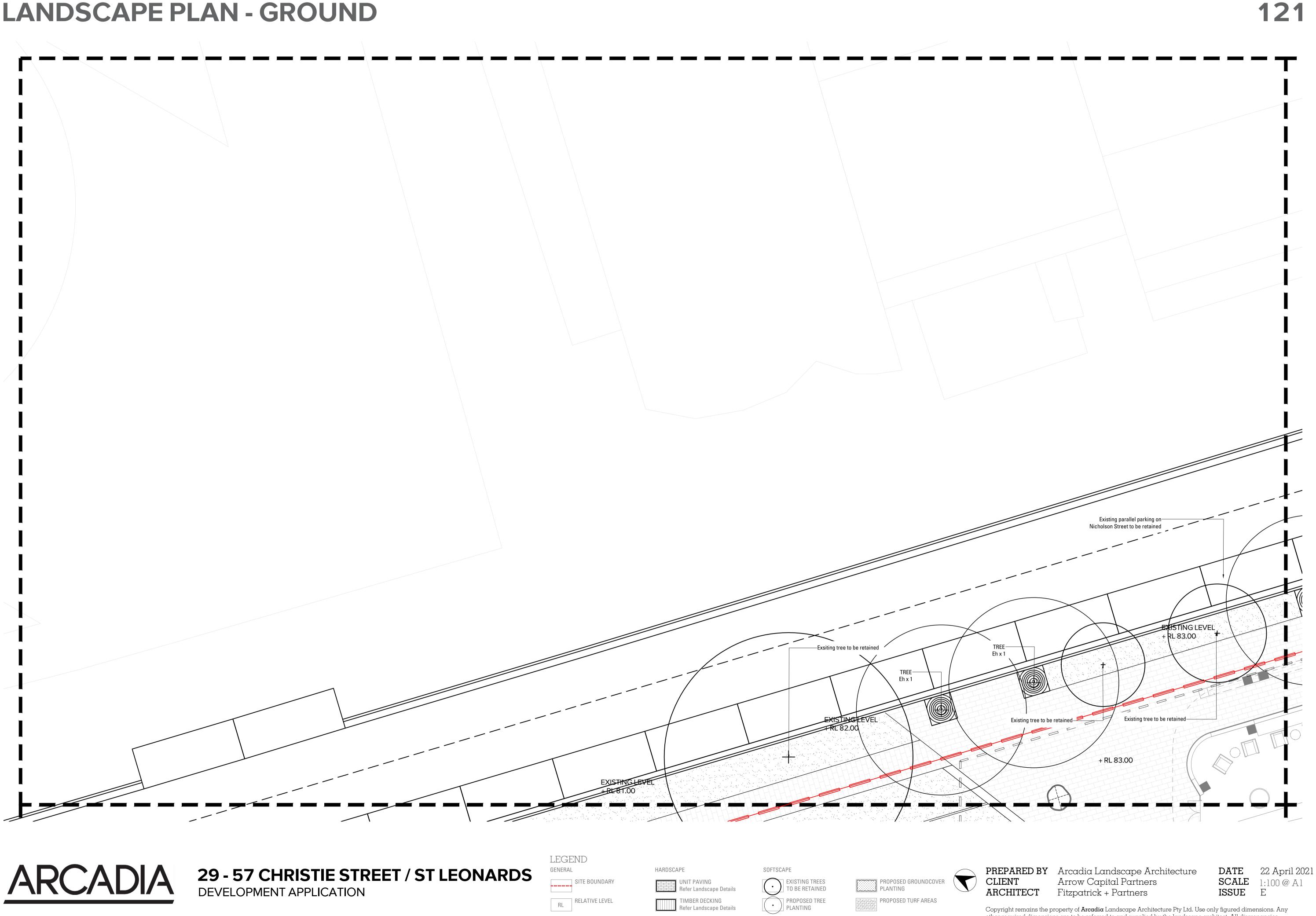


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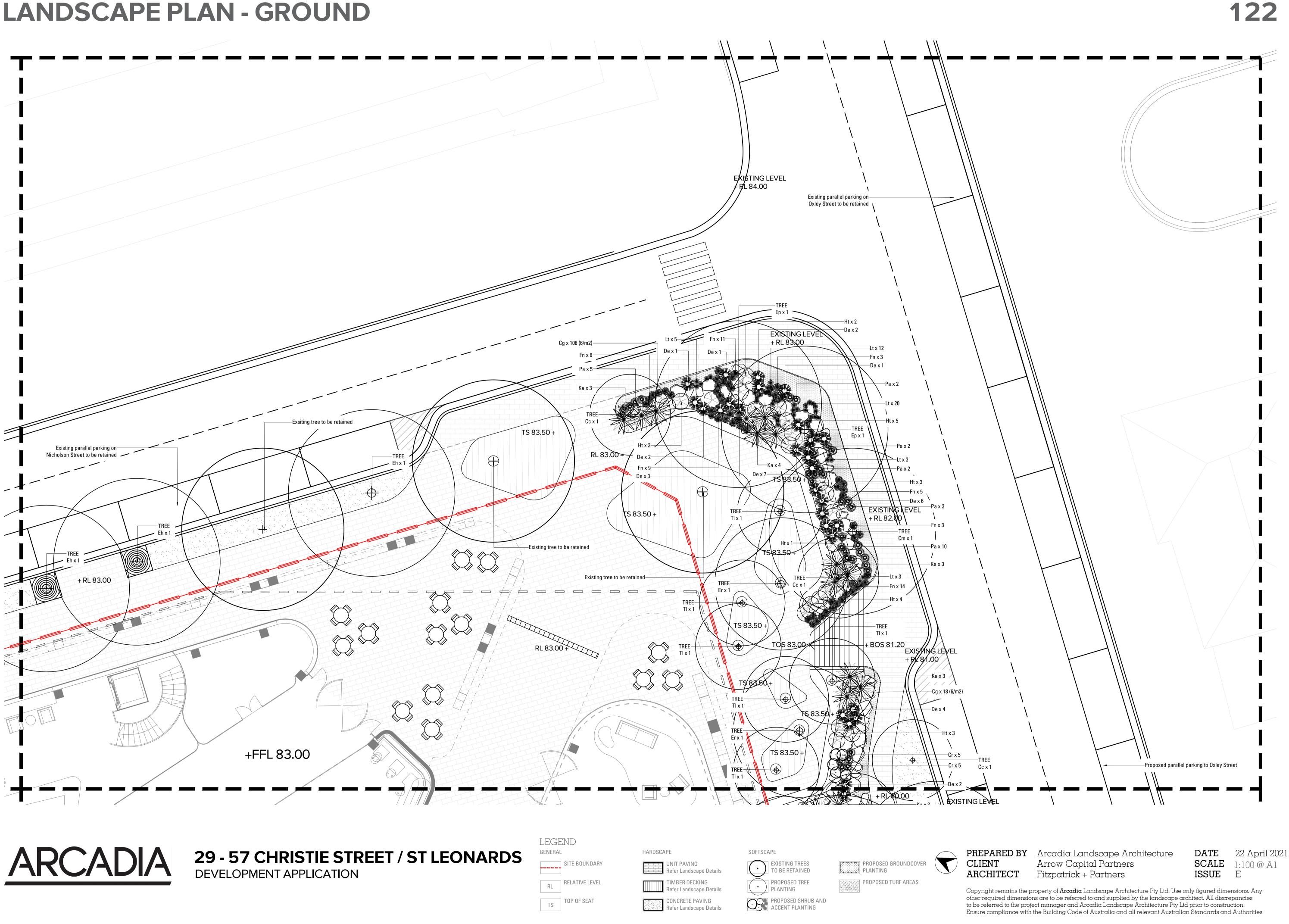


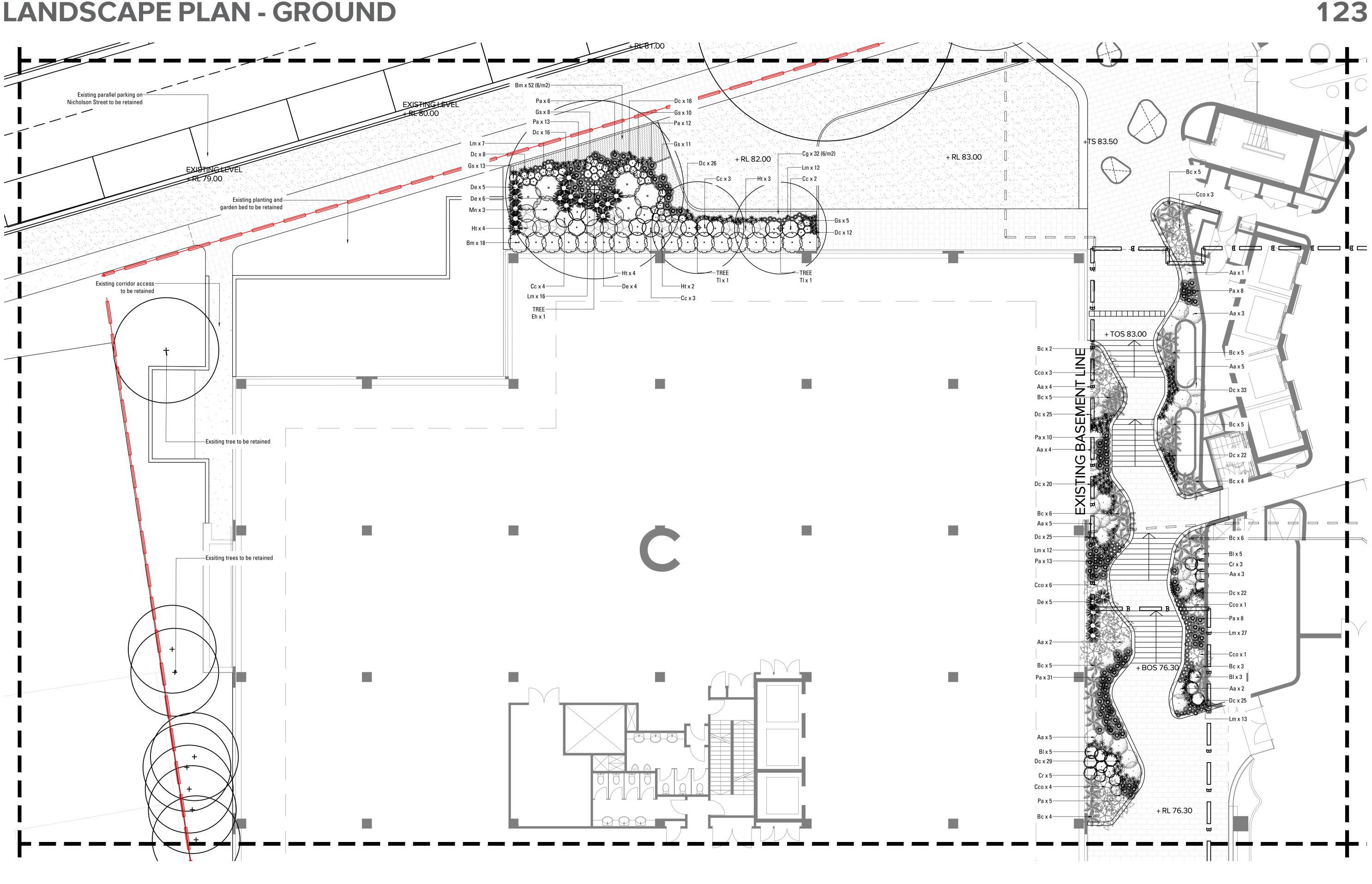
Refer Landscape Details

CONCRETE PAVING Refer Landscape Details PROPOSED SHRUB AND ACCENT PLANTING

TS TOP OF SEAT







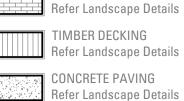


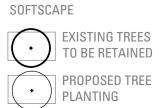
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LEGEND GENERAL SITE BOUNDARY RL RELATIVE LEVEL TS TOP OF SEAT







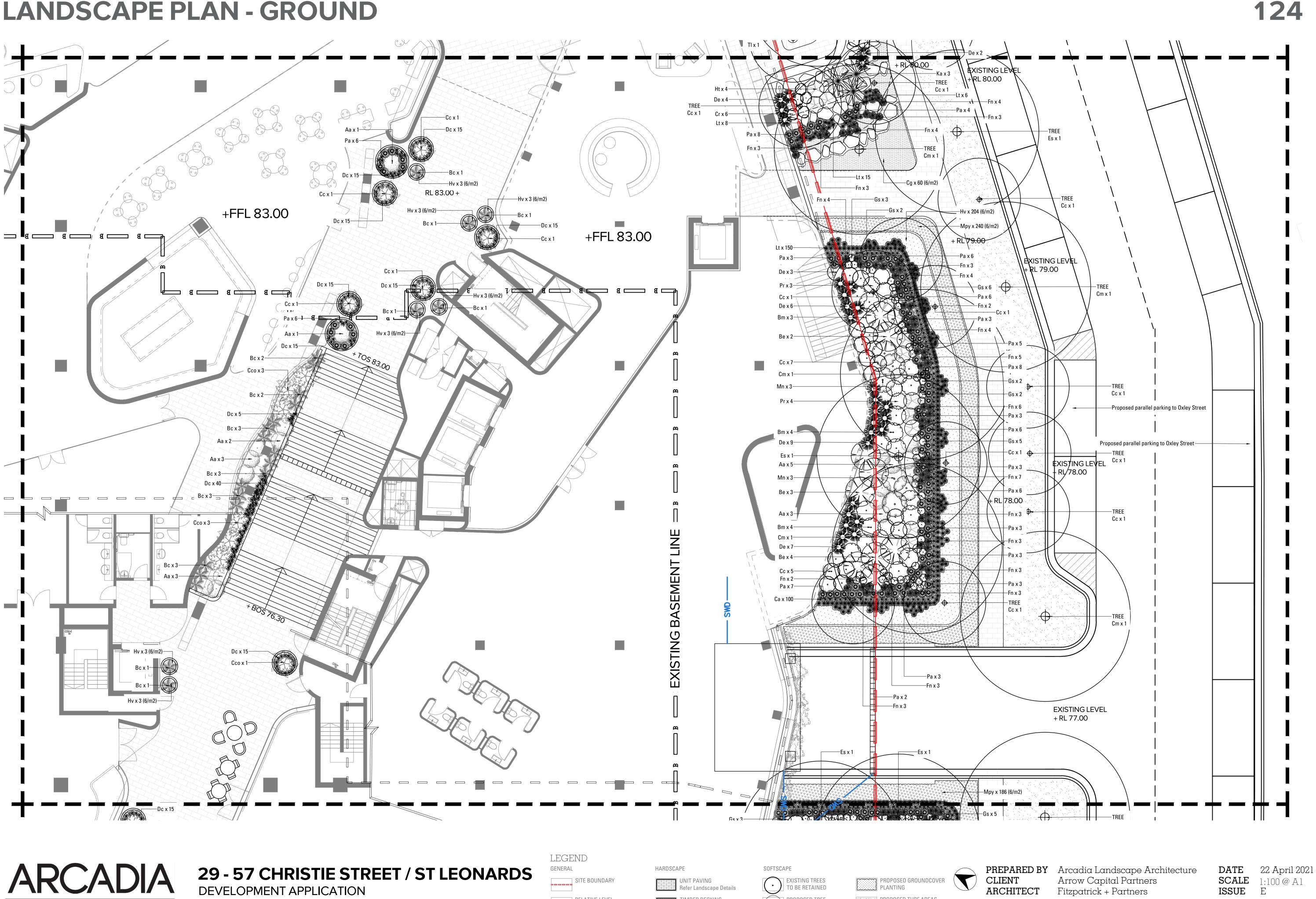
PROPOSED SHRUB AND ACCENT PLANTING

PROPOSED GROUNDCOVER PROPOSED TURF AREAS



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DATE 22 April 2021 SCALE 1:100 @ A1 ISSUE E

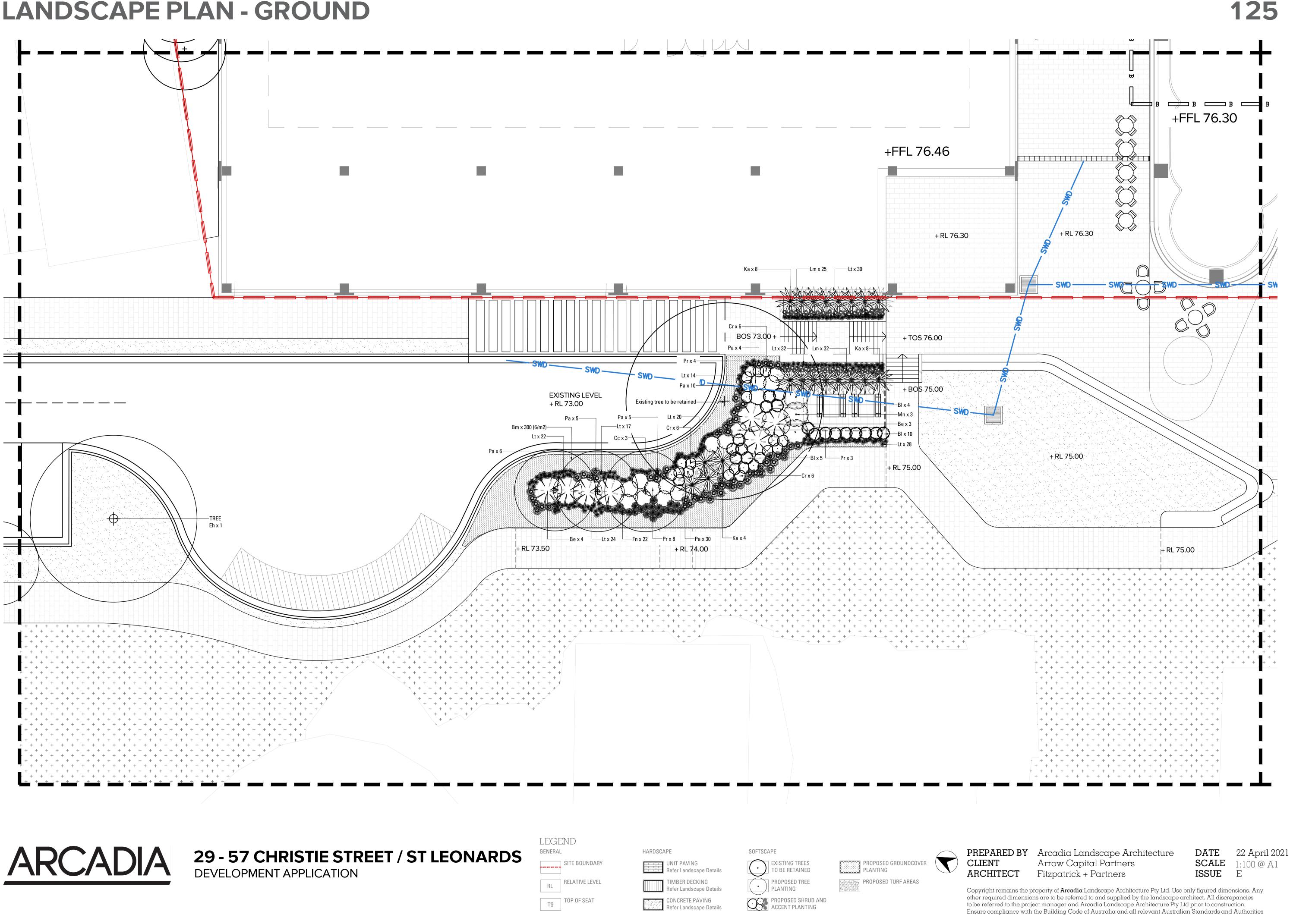


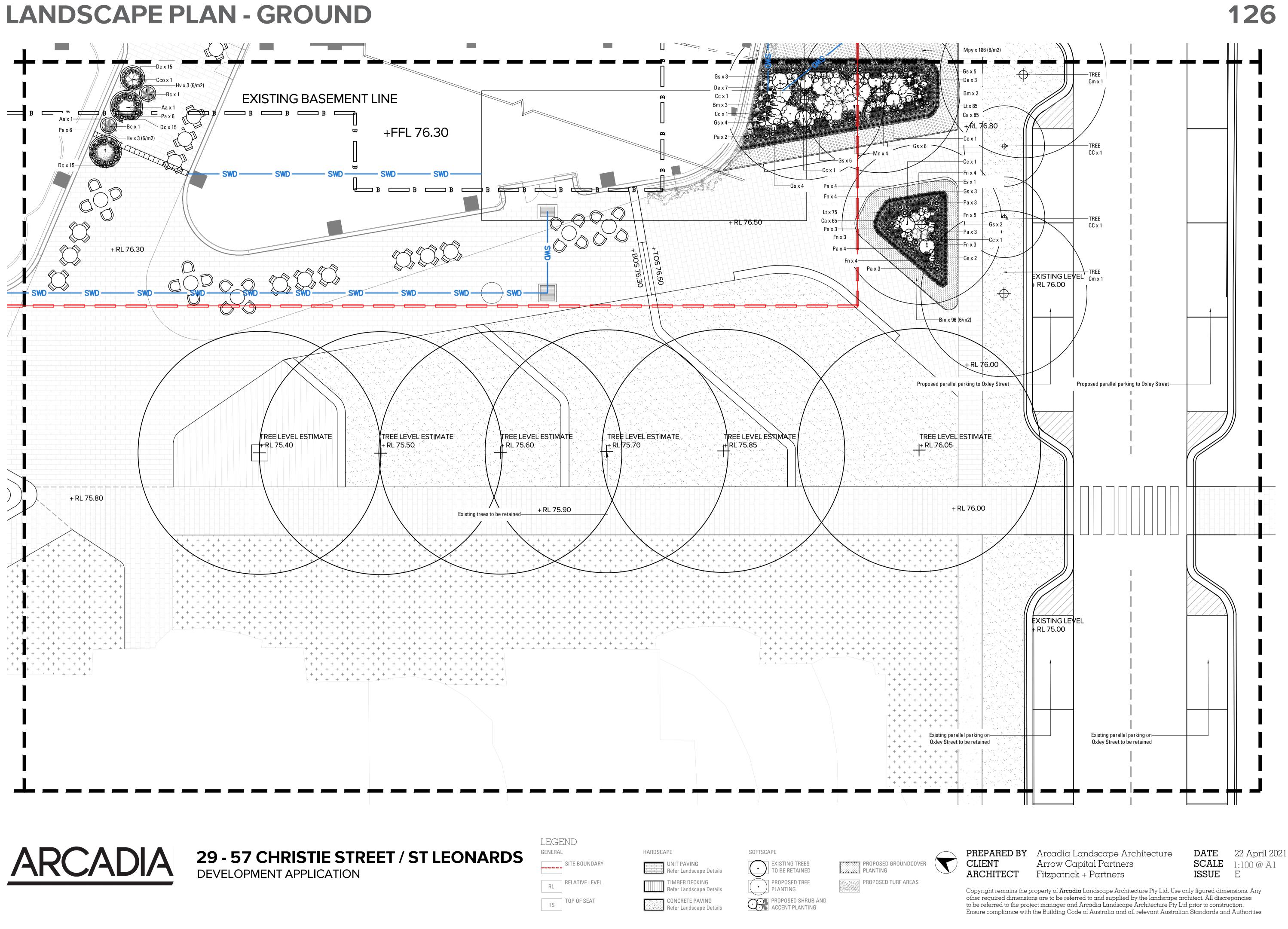
RL RELATIVE LEVEL TS TOP OF SEAT

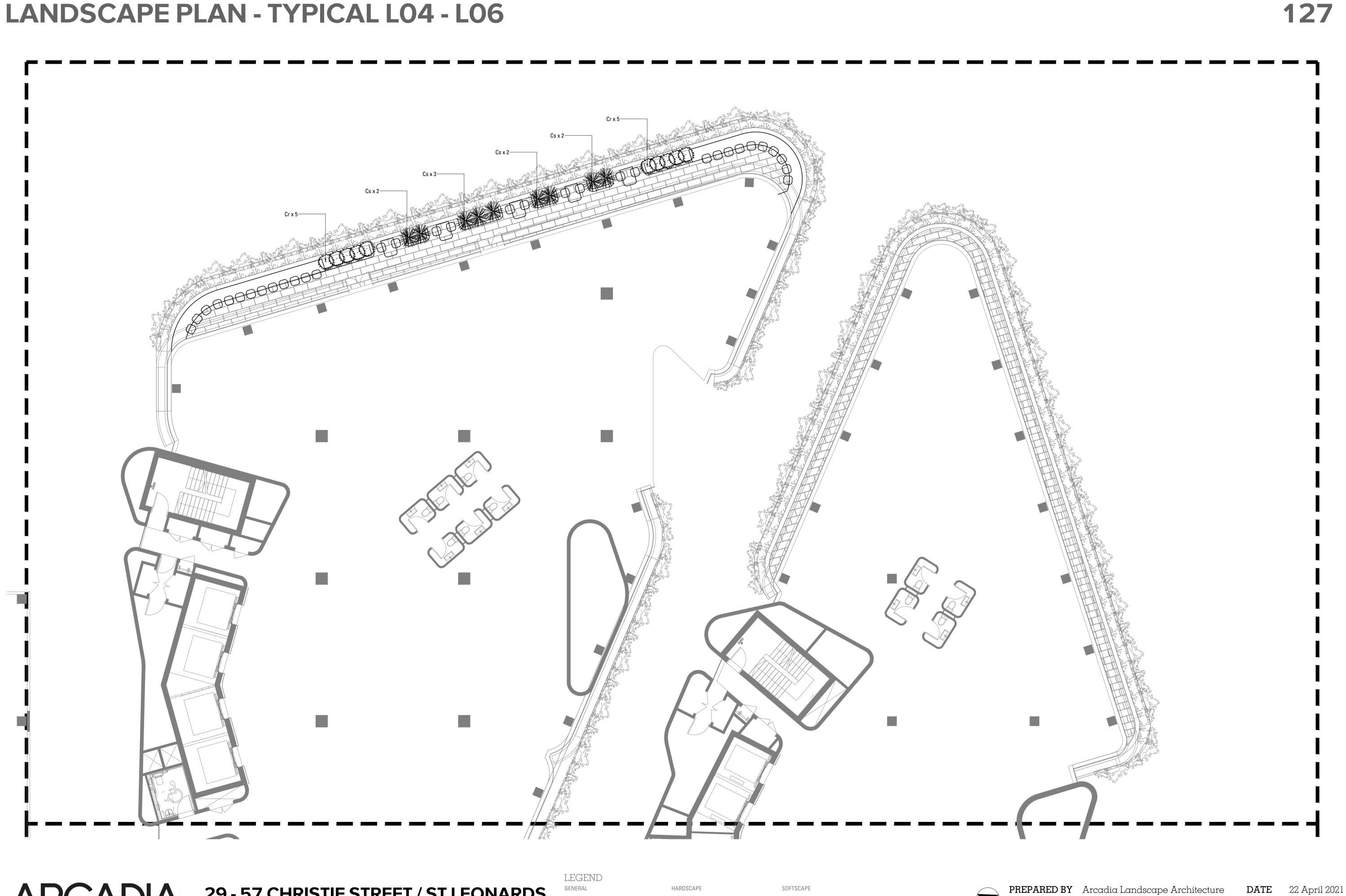
TIMBER DECKING Refer Landscape Details CONCRETE PAVING Refer Landscape Details

 PROPOSED TREE
 PLANTING PROPOSED SHRUB AND ACCENT PLANTING

PROPOSED TURF AREAS







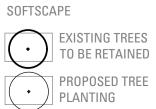


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SITE BOUNDARY RL RELATIVE LEVEL TS TOP OF SEAT





PROPOSED SHRUB AND ACCENT PLANTING

PROPOSED GROUNDCOVER PROPOSED TURF AREAS

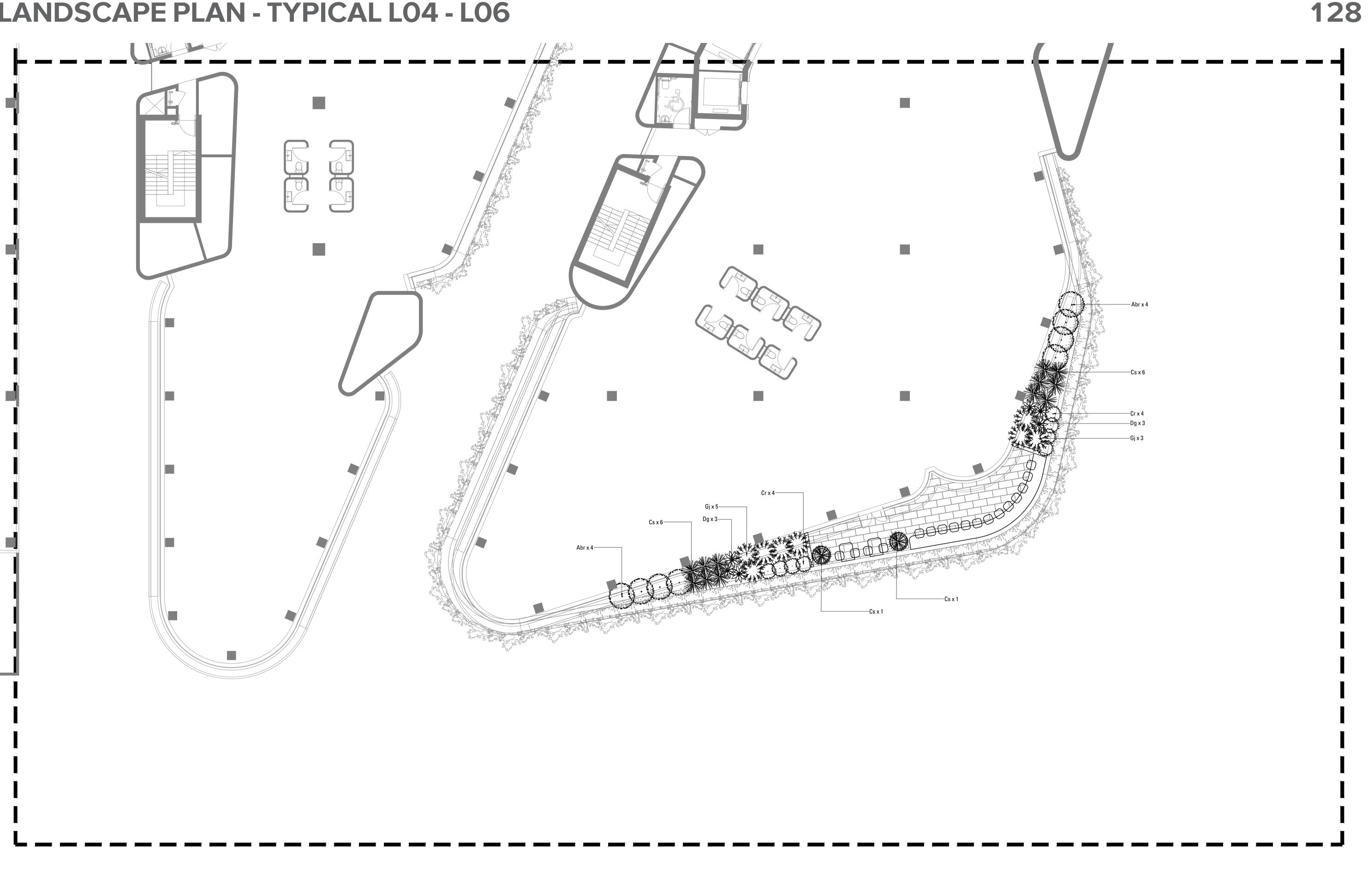


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LANDSCAPE PLAN - TYPICAL LO4 - LO6





29 - 57 CHRISTIE STREET / ST LEONARDS DEVELOPMENT APPLICATION



LEGEND GENERAL SITE BOUNDARY RL RELATIVE LEVEL TS TOP OF SEAT



SOFTSCAPE

EXISTING TREES (•) TO BE RETAINED PROPOSED TREE
 PLANTING PROPOSED SHRUB AND ACCENT PLANTING

PROPOSED GROUNDCOVER PROPOSED TURF AREAS

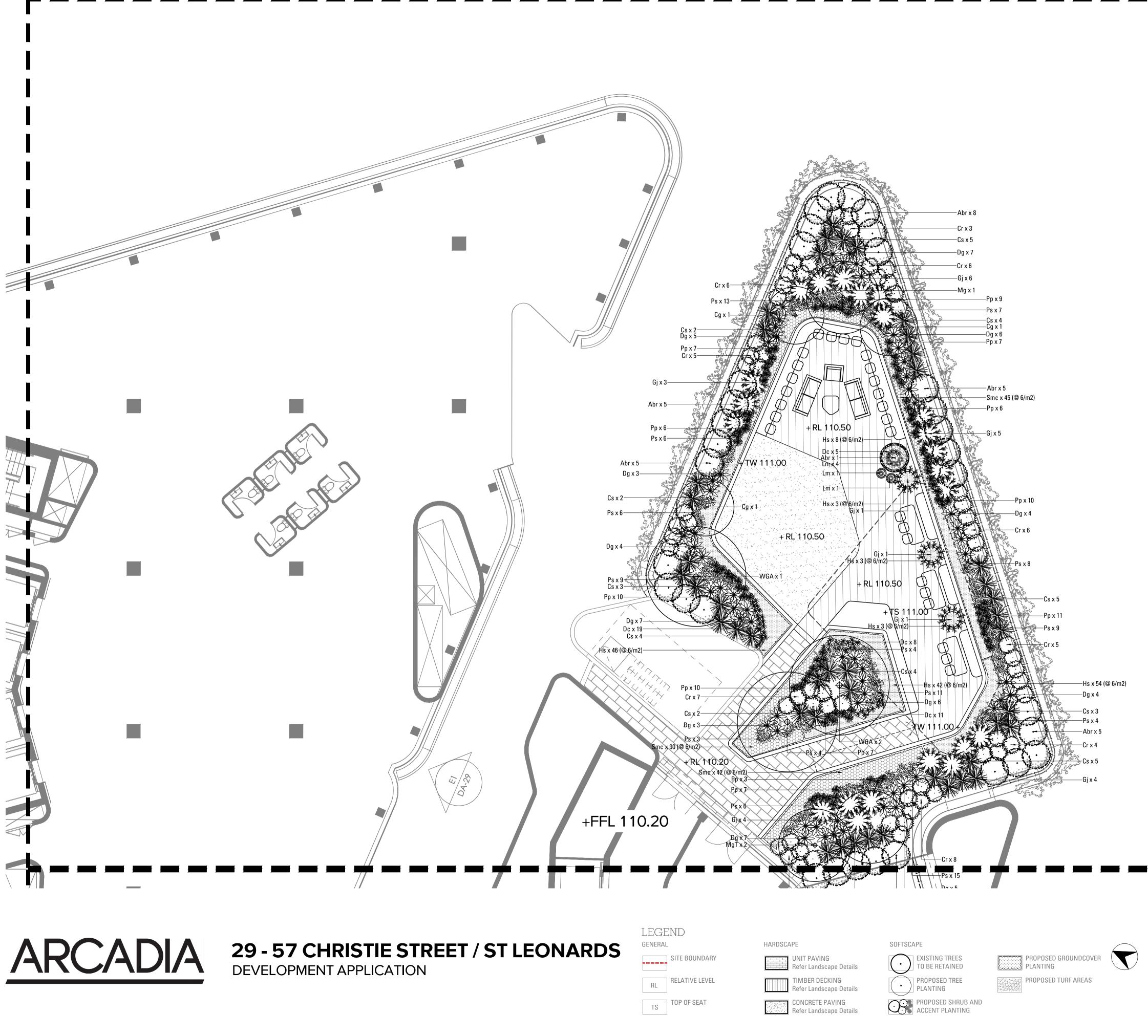


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22 April 2021

LANDSCAPE PLAN - ROOFTOP L07

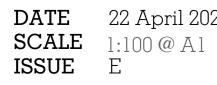




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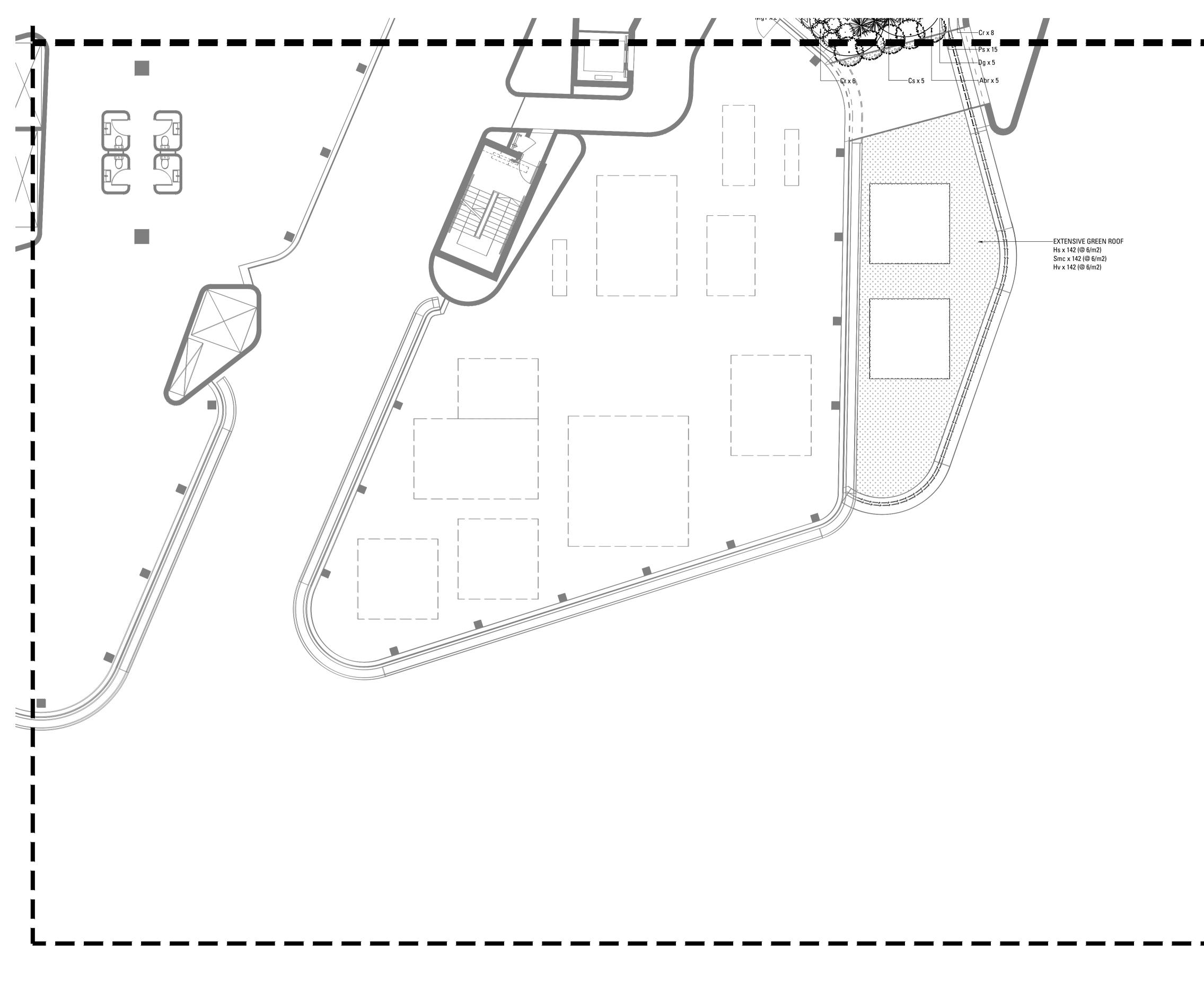
CLIENT ARCHITECT

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22 April 2021

LANDSCAPE PLAN - ROOFTOP L07





29 - 57 CHRISTIE STREET / ST LEONARDS DEVELOPMENT APPLICATION



LEGEND GENERAL SITE BOUNDARY RL RELATIVE LEVEL TS TOP OF SEAT

HARDSCAPE						
	UNIT PAVING Refer Landscape Details					
	TIMBER DECKING Refer Landscape Details					
	CONCRETE PAVING Refer Landscape Details					

SOFTSCAPE EXISTING TREES • TO BE RETAINED PROPOSED TREE

 PLANTING PROPOSED SHRUB AND ACCENT PLANTING

PROPOSED GROUNDCOVER PLANTING PROPOSED TURF AREAS

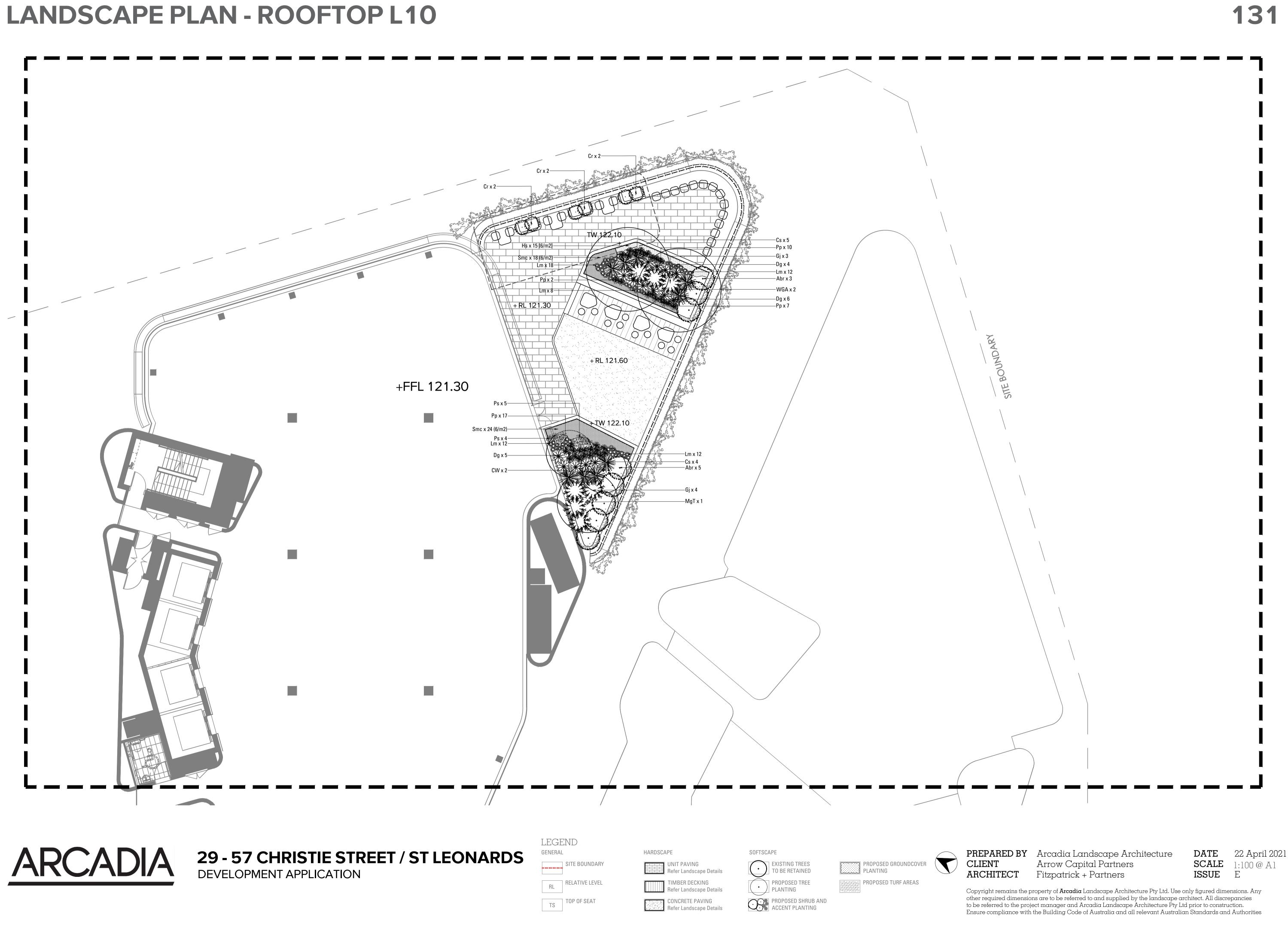


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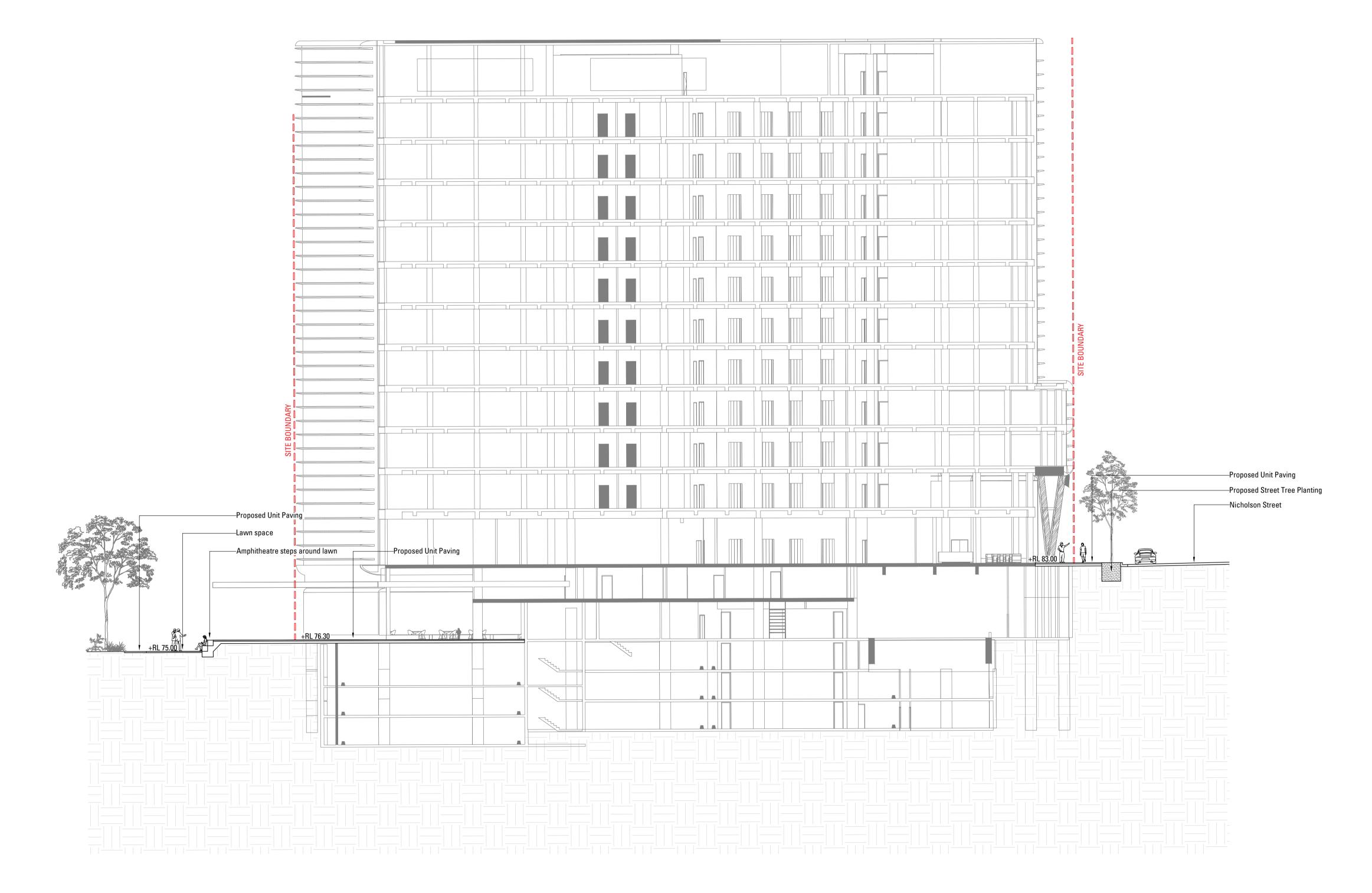
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LANDSCAPE CROSS SECTION A





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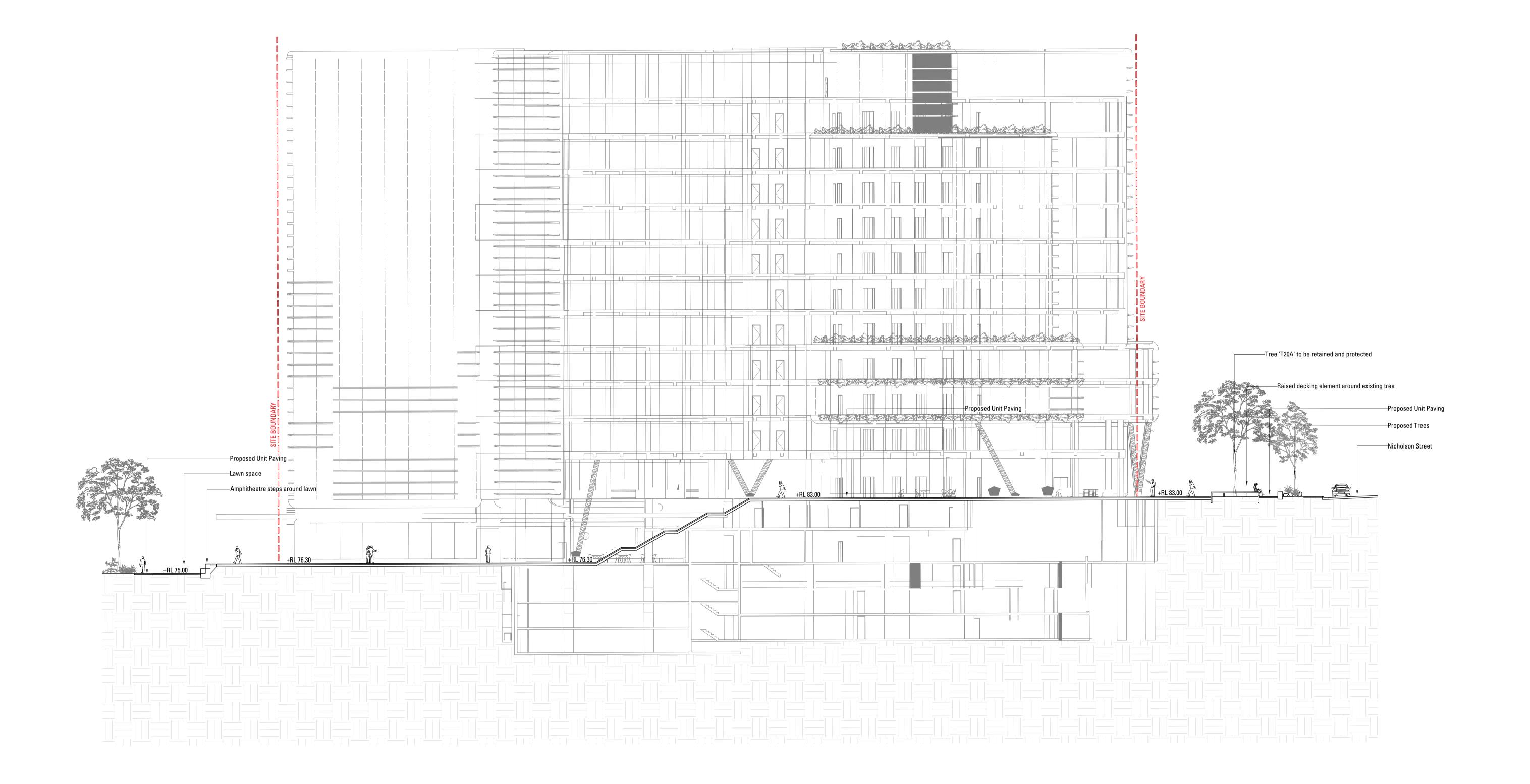


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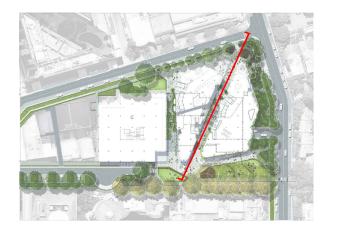


LANDSCAPE CROSS SECTION B



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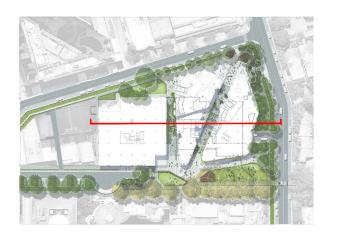
LANDSCAPE CROSS SECTION C





29 - 57 CHRISTIE STREET / ST LEONARDS

DEVELOPMENT APPLICATION





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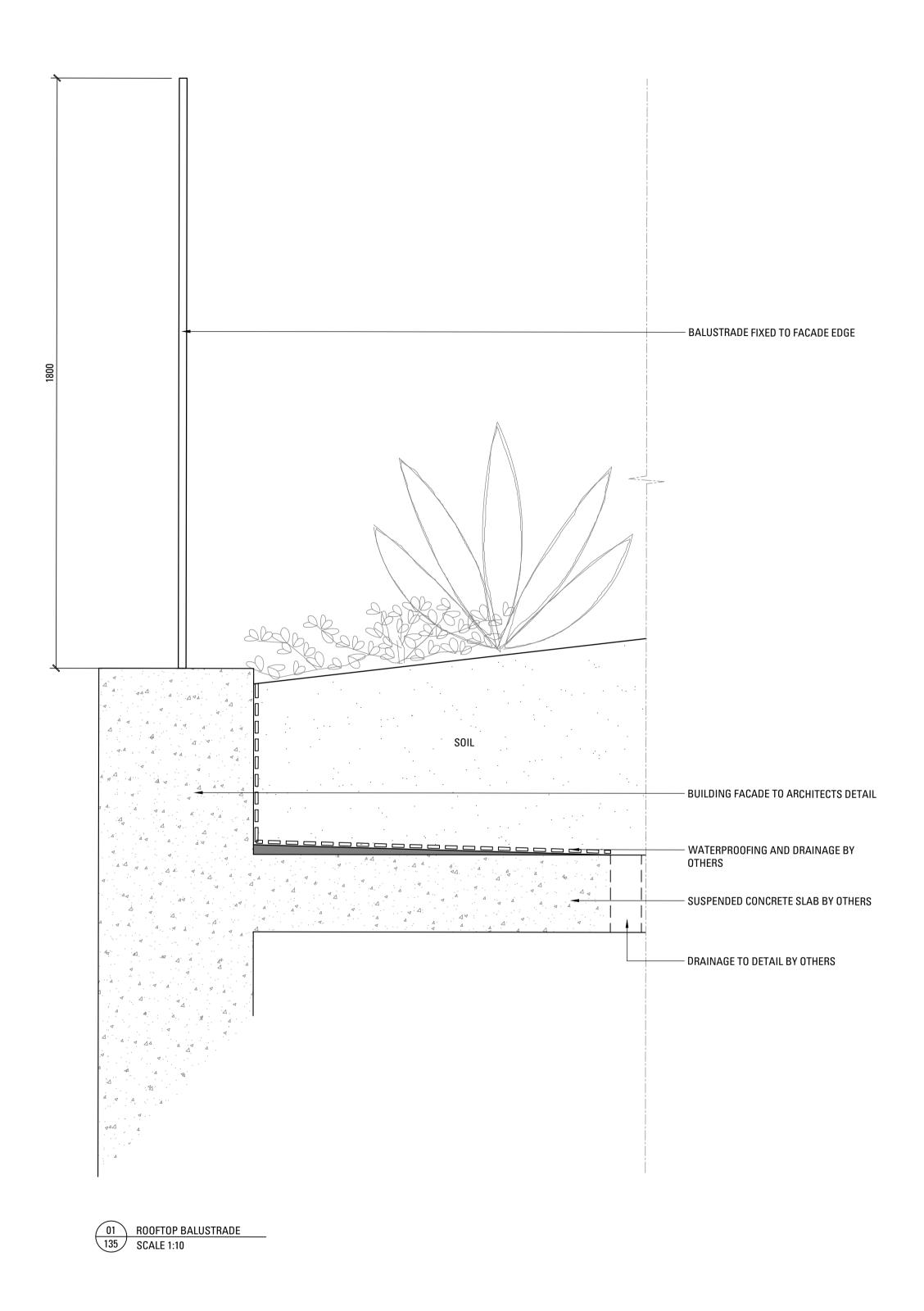


 DATE
 22 April 2021

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 1:200 @ A1

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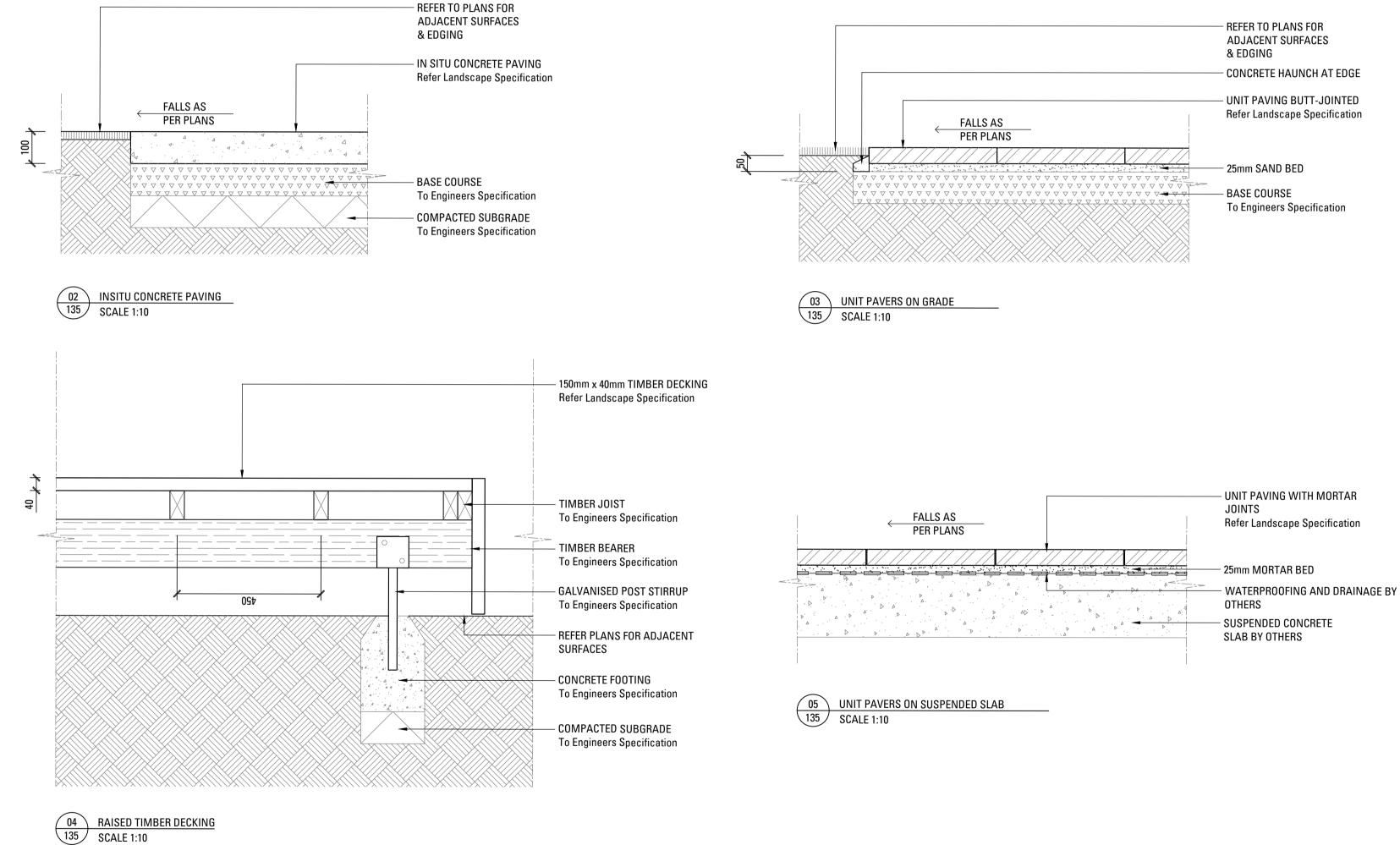
LANDSCAPE DETAILS - HARDSCAPE



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29 - 57 CHRISTIE STREET / ST LEONARDS

DEVELOPMENT APPLICATION





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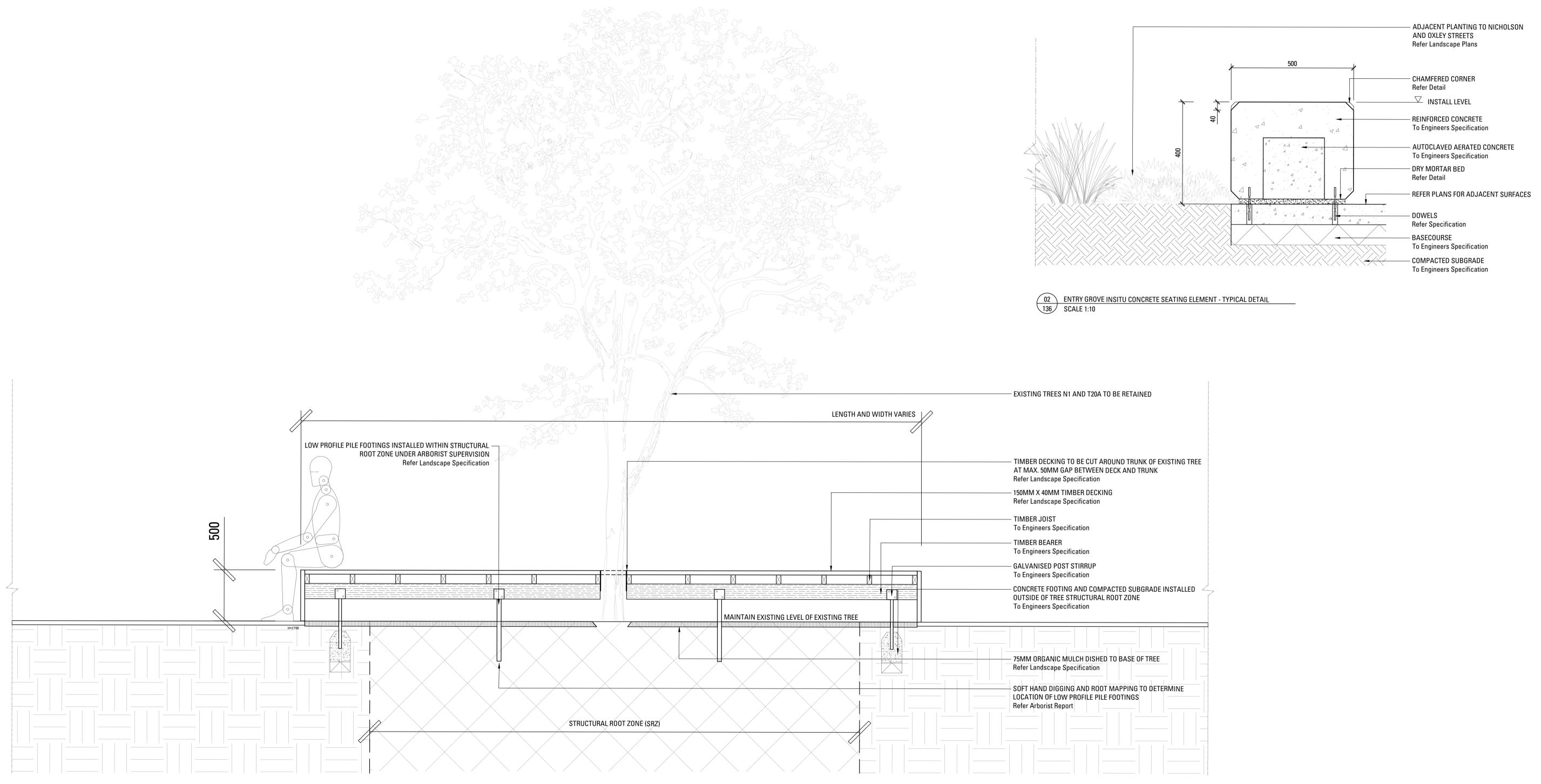
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LANDSCAPE DETAILS - FURNITURE



01 ENTRY GROVE RAISED TIMBER SEATING ELEMENTS - TYPICAL DETAIL 136 SCALE 1:20

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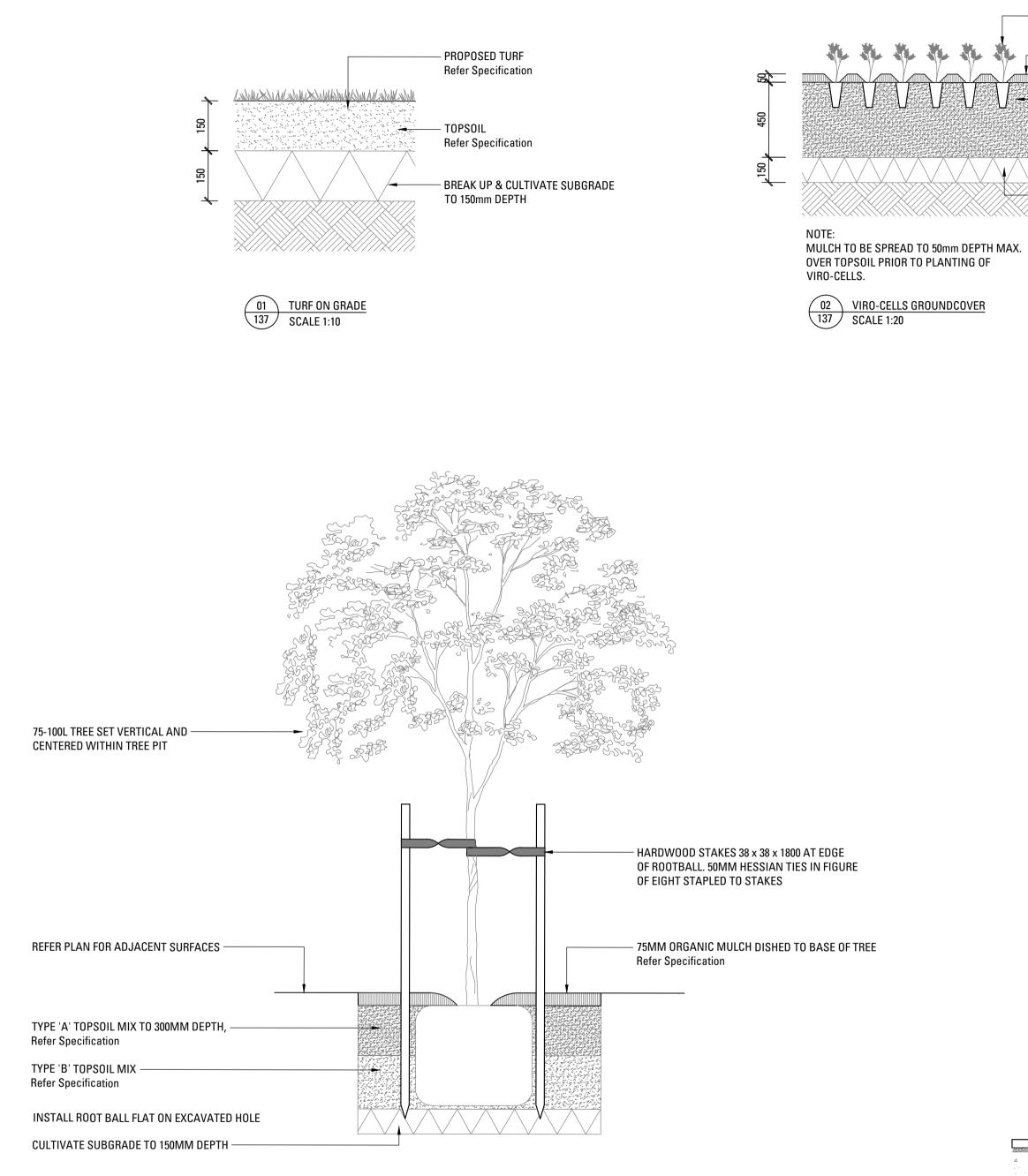


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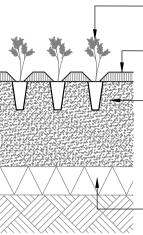
LANDSCAPE DETAILS - SOFTSCAPE





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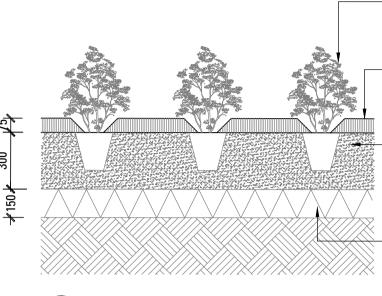
29 - 57 CHRISTIE STREET / ST LEONARDS DEVELOPMENT APPLICATION



- VIRO-CELL PLANTING Refer Specification - 50mm DEPTH MULCH **Refer Specification**

- BACKFILL & CONSOLIDATE WITH TOPSOIL MIXTURE & FERTILISE TO 450mm Refer Specification

BREAKUP & CULTIVATE SUBGRADE TO 150mm DEPTH



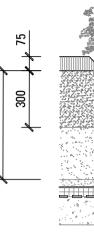
03 SHRUB OR GROUNDCOVER IN PLANTING BED 137 SCALE 1:20

- PROPOSED SHRUB OR GROUNDCOVER Refer Specification

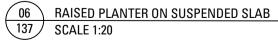
- 75mm DEPTH MULCH REFER SPECIFICATION DISHED AROUND BASE OF TRUNK

- BACKFILL & CONSOLIDATE WITH TOPSOIL MIXTURE & FERTILISE TO MIN. 300mm Refer Specification

BREAKUP & CULTIVATE SUBGRADE TO 150mm DEPTH

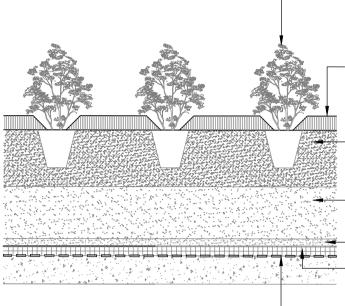


a 2 av TREE PLANTING Refer Plans and Schedule GROUNDCOVER PLANTING Refer Plans and Schedule 75mm MULCH **Refer Specification** - STONE UNIT PAVING Refer Detail A. A. A. Δ BACKFILL PLANTER WITH -WATERPROOF MEMBRANE AND FILTER FABRIC, Refer Specification LIGHTWEIGHT PLANTER SOIL CONCRETE SLAB -DRAINAGE OUTLET To Engineers Specification To Engineers Specification





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04 PLANTING ON SLAB 137 SCALE 1:20

- PROPOSED SHRUB OR GROUNDCOVER Refer Plan & Schedule

- 75mm DEPTH MULCH DISHED AROUND BASE OF SHRUB **Refer Specification**

- TOPSOIL TYPE A **Refer Specification**

– TOPSOIL TYPE B **Refer Specification**

- COARSE WASHED RIVER SAND - DRAINAGE CELL AND GEOTEXTILE FILTER CLOTH

Refer Specification WATERPROOF MEMBRANE

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LANDSCAPE SPECIFICATION

LANDSCAPE SPECIFICATION NOTES

SERVICES

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.

MULCH TYPE

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

COMPOST

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.

TURF

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

IRRIGATION SYSTEM 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 SUPPLY.

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

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 SYSTEM.

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 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.



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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.

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.

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:-

GENERAL

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.

WATERING

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

STAKES AND TIES

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.

PRUNING

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.

MULCHED SURFACES

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 ERADICATION 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.



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

CLIENT ARCHITECT

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