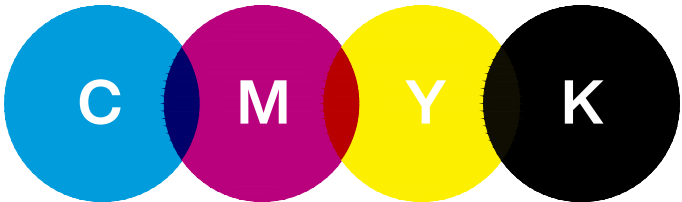


LOT 188-192 ON RP173728 99 Courtney Drive, Upper Coomera, QLD 4209
DRAWN: L23108-23108-99 Courtney Drive, Upper Coomera, QLD 4209
DATE: 18/12/24 4:29 PM
PROJECT: L23108-23108-99 Courtney Drive, Upper Coomera, QLD 4209
SHEET: 1 OF 1

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FOR APPROVAL

OPW.

CALLI | SUBDIVISION: STAGE 03
79-99 COURTNEY DRIVE, UPPER COOMERA, QLD.

LOT 188-192 ON RP173728

PROJECT REFERENCE - L23108

SHEET SET

L23108 - 100	TITLE PAGE & SHEET SET
L23108 - 101	LEGENDS, DATA REGISTRY & PLANT SCHEDULE

LANDSCAPE PLANS

L23108 - 200	STAGING & EXTENT OF WORKS
L23108 - 201	FENCING PLAN
L23108 - 202	TREATMENT AREAS
L23108 - 203	PLANTING PLAN - ZONE 01
L23108 - 204	PLANTING PLAN - ZONE 02
L23108 - 205	REHABILITATION MANAGEMENT PLAN
L23108 - 206	PLANTING MODULES

DETAILS & SECTIONS

L23108 - 300	DETAIL DRAWINGS 01
L23108 - 301	DETAIL DRAWINGS 02

SPECIFICATIONS

L23108 - 400	LANDSCAPE SPECIFICATIONS
--------------	--------------------------

MAINTENANCE MANAGEMENT COSTING

L23108 - 500	MAINTENANCE MANAGEMENT COSTING
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WARNING!!!
BEWARE OF UNDERGROUND SERVICES

NOTE THAT LOCATION SHOWN OF EXISTING UNDERGROUND SERVICES IS INDICATIVE ONLY AND MAY NOT BE ACCURATE AT THE TIME OF LANDSCAPE WORKS. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

DETERMINATION OF THE EXACT POSITION AND EXTENT OF UNDERGROUND SERVICES IS THE RESPONSIBILITY OF THE CONTRACTOR AND IS TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF WORK.

GENERAL NOTES

- BEFORE COMMENCEMENT OF WORKS IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO CONTACT DIAL BEFORE YOU DIG (PH. 1100 OR WEB 1100.COM.AU) FOR INFORMATION ON SERVICES IN THE AREA SHOWN ON THE PLAN.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL SERVICES PRIOR TO COMMENCING ON SITE.
- THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO SERVICES DURING LANDSCAPE WORKS.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY EXISTING TREES SHOWN TO BE RETAINED AND PROTECT THEM DURING WORKS.
- ALL TREES SHALL BE PLANTED IN LOCATIONS SHOWN ON THE PLAN.
- ANY CHANGE TO PLANT SPECIES MUST HAVE THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- TREES SHALL BE PLANTED NO LESS THAN THE FOLLOWING DISTANCES FROM LANDSCAPE ELEMENTS (TO BE CONFIRMED AT TREE HOLE INSPECTION)
 - 1M FROM STORMWATER OUTLET
 - 1M FROM EDGE OF GULLY PIT
 - 1M MINIMUM PLANTING WIDTH BETWEEN KERB AND PATHWAY
 - 1M FROM CENTRE OF TREE TO FRONT FACE OF KERB AND CHANNEL
 - 1M FROM OVERHEAD SERVICE WIRES
 - 2M FROM FRONT OR REAR OF STREET SIGNS
 - 3M FROM DRIVEWAYS
 - 3M FROM FIRE HYDRANTS
 - 3.5 M FROM GROUND MOUNTED TRANSFORMERS
 - 6M FROM EXISTING TREES
 - 6M FROM DEPARTURE SIDE OF BUS STOPS AND PED CROSSINGS
 - 7M FROM POWER POLES/ LIGHT POLES
 - 8M MINIMUM SPACING BETWEEN NEW TREES
 - 15M FROM APPROACH SIDE OF BUS STOPS AND PEDESTRIAN CROSSINGS
 - 15M FROM DEPARTURE SIDE OF A STREET INTERSECTION
 - 20M FROM APPROACH SIDE OF A STREET INTERSECTION
- CONSTRUCTION CERTIFICATION FOR ALL STRUCTURAL ELEMENTS IS TO BE PROVIDED PRIOR TO PRACTICAL COMPLETION BEING GRANTED.

PROJECT TITLE
CALLI | SUBDIVISION: STAGE 03
OPERATIONAL WORKS: LANDSCAPE
DRAWING TITLE
TITLE PAGE & SHEET LIST

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MANAGER:

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GLADSTONE
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JOB / DRAWING NO:

L23108 - 100

SHEET NO.

01 OF 12

LEGEND - SITE DETAILS

- 

SITE BOUNDARY
DEVELOPMENT SITE LOCATED ON LOT 188-192 ON RP172728
- 

FUTURE STAGE BOUNDARIES
FUTURE DEVELOPMENT STAGING. APPROVAL NOT SORT FOR WITHIN CURRENT APPLICATION.
- 

EXTENT OF WORKS
DEVELOPMENT SITE LOCATED ON LOT 188-192 ON RP172728.

LEGEND - LANDSCAPE TREATMENTS

- 

TURF: VERGE
TURF RECTIFICATION TO VERGE TO LOCAL COUNCIL SPECIFICATIONS.
INSTALLATION OF 75MM SOIL DEPTH.
REFER DETAILS DRAWINGS FOR FURTHER INFO.
TOTAL PLANTER AREA: 3720M²
- 

PLANTING AREA 01
300MM SOIL (MINIMUM) AND 100MM MULCH TO ALL PLANTING AREAS
400GSM COIR NETTING PINNED AT 1M CENTERS TO BATTERS 12 OR STEEPER.
REFER PLANTING PLAN FOR DETAILS
TOTAL AREA: 298479M²

LEGEND - FENCING PLAN

- 

FENCE TYPE 02: POS INTERFACE
BLACK POWDER COATED ALUMINUM SAFETY FENCE @ 1200MM HIGH.
REFER DETAIL DRAWINGS FOR FURTHER INFO.
TOTAL LENGTH: 346.00LM
- 

FENCE TYPE 03: BOLLARD LINE
TIMBER BOLLARDS @ 500MM CENTERS.
REFER DETAIL DRAWINGS FOR FURTHER INFO.
TOTAL LENGTH: 224.00LM
TOTAL QTY: 124
- 

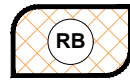
WALL TYPE 01: RETAINING WALLS
CONCRETE SLEEPER RETAINING WALLS. DARK GREY COLOUR.
SPLIT FACE. STONE OR WOOD PATTERN FINISH.
REFER TO CIVIL PACKAGE FOR FURTHER DETAILS.
- 

WALL TYPE 02: SANDSTONE WALLS
SANDSTONE RETAINING WALLS.
REFER TO CIVIL PACKAGE FOR FURTHER DETAILS.
- 

ACCESS GATE
MAINTENANCE ACCESS GATE TO ODGC STANDARDS.
REFER DETAIL DRAWINGS FOR FURTHER INFO.
TOTAL QTY: 1

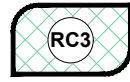
LEGEND - REHABILITATIONS ZONES

- 

REHABILITATION PLANTING: ZONE A
ASSISTED NATURAL REGENERATION. REFER REHABILITATION MANAGEMENT PLANS (BOMES) FOR FURTHER INFO. 20% INFILL PLANTING ALLOWANCE.
TOTAL AREA: 12,550.00M²
- 

REHABILITATION PLANTING: ZONE B
ECOSYSTEM RECONSTRUCTION. REFER REHABILITATION MANAGEMENT PLANS (BOMES) FOR FURTHER INFO.
TOTAL AREA: 1455.00M²
- 

FABRICATED WATERWAY: ZONE C1
FABRICATED WATERWAY. REFER REHABILITATION MANAGEMENT PLANS (BOMES) FOR FURTHER INFO.
TOTAL AREA: 511.00M²
- 

FABRICATED WATERWAY: ZONE C2
FABRICATED WATERWAY. REFER REHABILITATION MANAGEMENT PLANS (BOMES) FOR FURTHER INFO.
TOTAL AREA: 470.00M²
- 

FABRICATED WATERWAY: ZONE C3
FABRICATED WATERWAY. REFER REHABILITATION MANAGEMENT PLANS (BOMES) FOR FURTHER INFO.
TOTAL AREA: 3275.00M²

REFERENCE DATA REGISTER | CURRENT REVISION

CONSULTANT	REVISION	DOCUMENT TITLE (INCL. FILE TYPE)	DATE RECEIVED	PROVIDED BY
ARCHITECTUAL	-	-	-	-
CIVIL	C	OPERATIONAL WORKS: STAGE 01 - 41901-01	25.08.23	MORTONS URBAN SOLUTIONS
ELECTRICAL	B	STAGE 01 COURTNEY DRIVE - F019-01	08.11.23	ROBIN RUSSELL & ASSOC
SURVEY	-	-	-	-

PROJECT TITLE

CALLI | SUBDIVISION: STAGE 03

OPERATIONAL WORKS: LANDSCAPE

DRAWING TITLE

LEGENDS, DATA REGISTRY & PLANT SCHEDULE

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JOB / DRAWING NO:

L23108 - 101

SHEET NO.

02 OF 12



PROJECT TITLE
CALLI | SUBDIVISION: STAGE 03
OPERATIONAL WORKS: LANDSCAPE
DRAWING TITLE
STAGING & EXTENT OF WORKS

[illegible]

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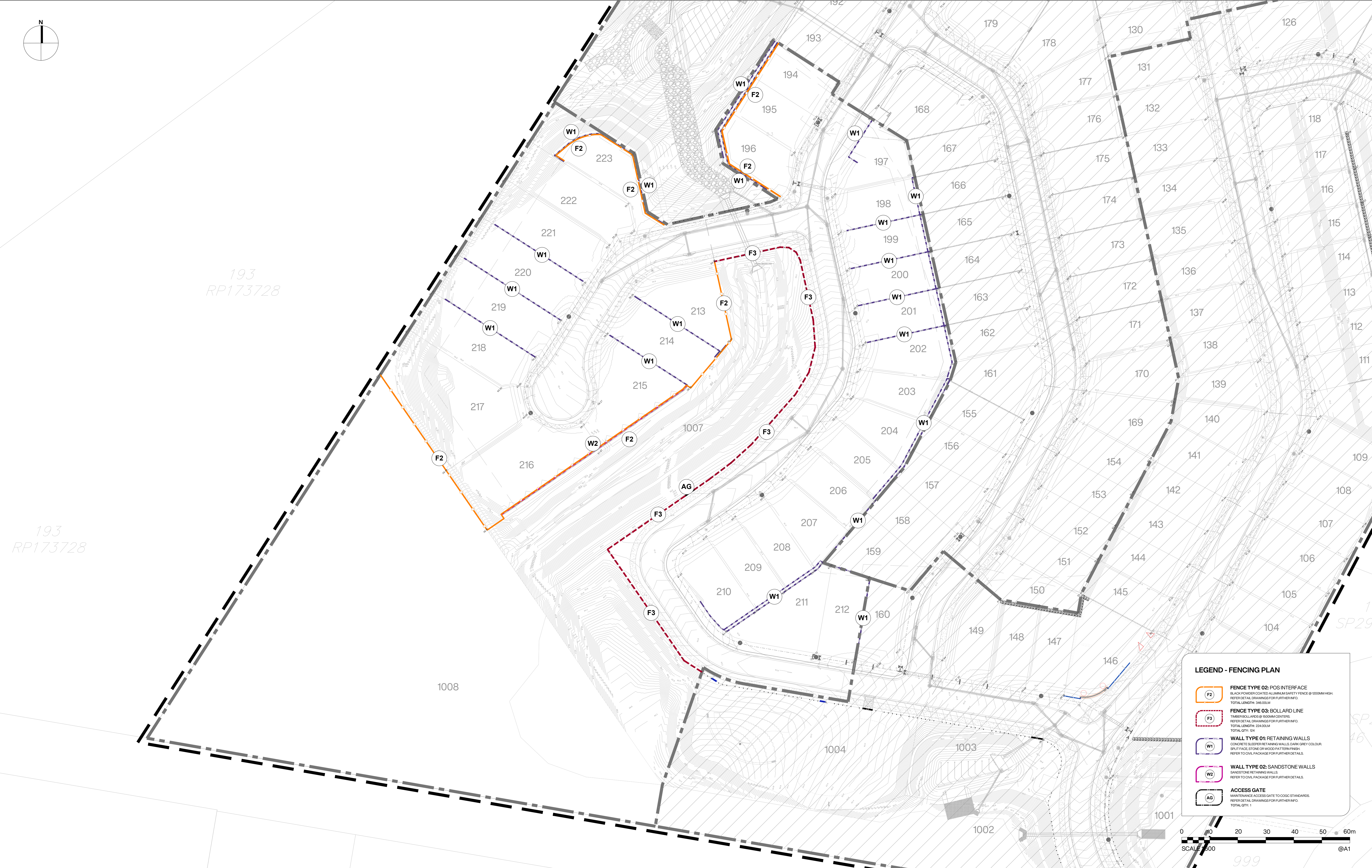
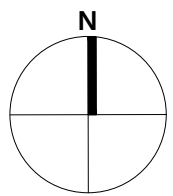
JOB / DRAWING NO:

L23108 - 200

SHEET NO.

03 OF 12

15/05/2024 14:29:28 123108 03 Drawing: Fencing Plan: Zone Landscape Architecture: 123108 03 Drawing: Fencing Plan: 15/05/2024 14:29:28



LEGEND - FENCING PLAN

- F2** **FENCE TYPE 02: POS INTERFACE**
BLACK POWDER COATED ALUMINUM SAFETY FENCE @ 1200MM HIGH.
REFER DETAIL DRAWINGS FOR FURTHER INFO.
TOTAL LENGTH: 346.00LM
- F3** **FENCE TYPE 03: BOLLARD LINE**
TIMBER BOLLARDS @ 500MM CENTERS.
REFER DETAIL DRAWINGS FOR FURTHER INFO.
TOTAL LENGTH: 224.00LM
TOTAL QTY: 164
- W1** **WALL TYPE 01: RETAINING WALLS**
CONCRETE SLEEPER RETAINING WALLS, DARK GREY COLOUR.
SPLIT FACE, STONE OR WOOD PATTERN FINISH.
REFER TO CIVIL PACKAGE FOR FURTHER DETAILS.
- W2** **WALL TYPE 02: SANDSTONE RETAINING WALLS**
SANDSTONE RETAINING WALLS.
REFER TO CIVIL PACKAGE FOR FURTHER DETAILS.
- AG** **ACCESS GATE**
MAINTENANCE ACCESS GATE TO CDOC STANDARDS.
REFER DETAIL DRAWINGS FOR FURTHER INFO.
TOTAL QTY: 1

PROJECT TITLE
CALLI | SUBDIVISION: STAGE 03
OPERATIONAL WORKS: LANDSCAPE
DRAWING TITLE
FENCING PLAN

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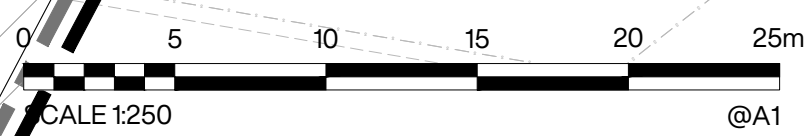
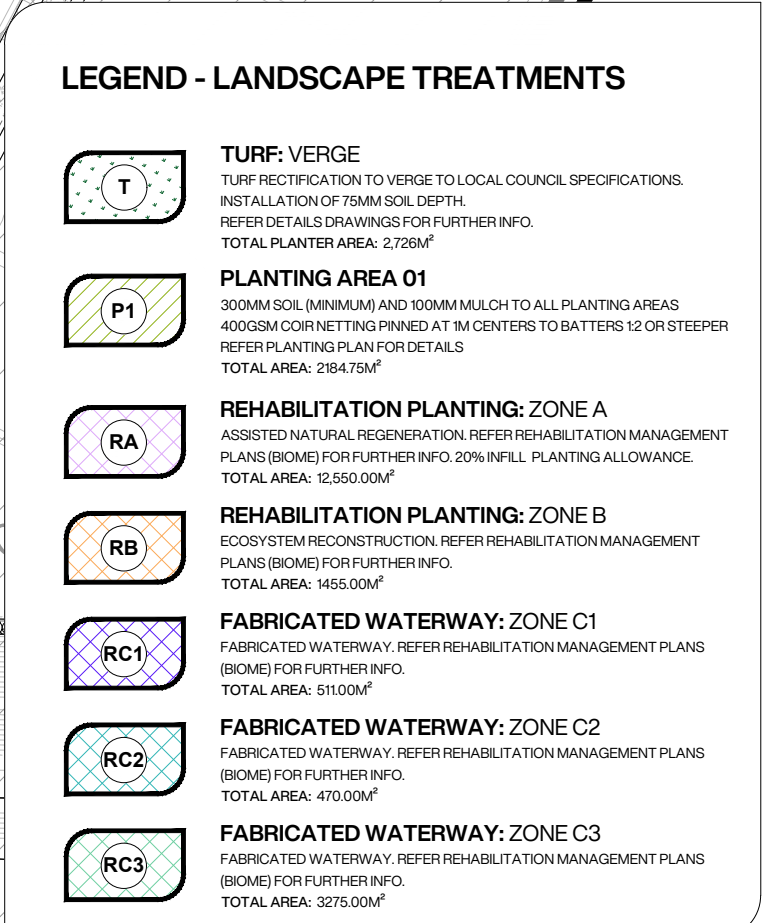
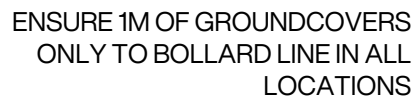
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L23108 - 201

SHEET NO.
04 OF 12



GROUNDCOVERS					
CODE	SPECIES	COMMON NAME	SIZE	DENSITY	QTY (P/1)
CYMr	CYMBOPOGON refractus	Lemon grass	75mm		
IMPCyl	IMPERATA cylindrica	Cogon Grass	75mm		
LOMlon	LOMANDRA longifolia	Long Leaved Mat Rush	75mm	1/2M ²	1093
THETri	THEMEDA triandra	Kangaroo Grass	75mm		



PROJECT TITLE
CALLI | SUBDIVISION: STAGE 03
OPERATIONAL WORKS: LANDSCAPE
DRAWING TITLE
TREATMENT AREAS

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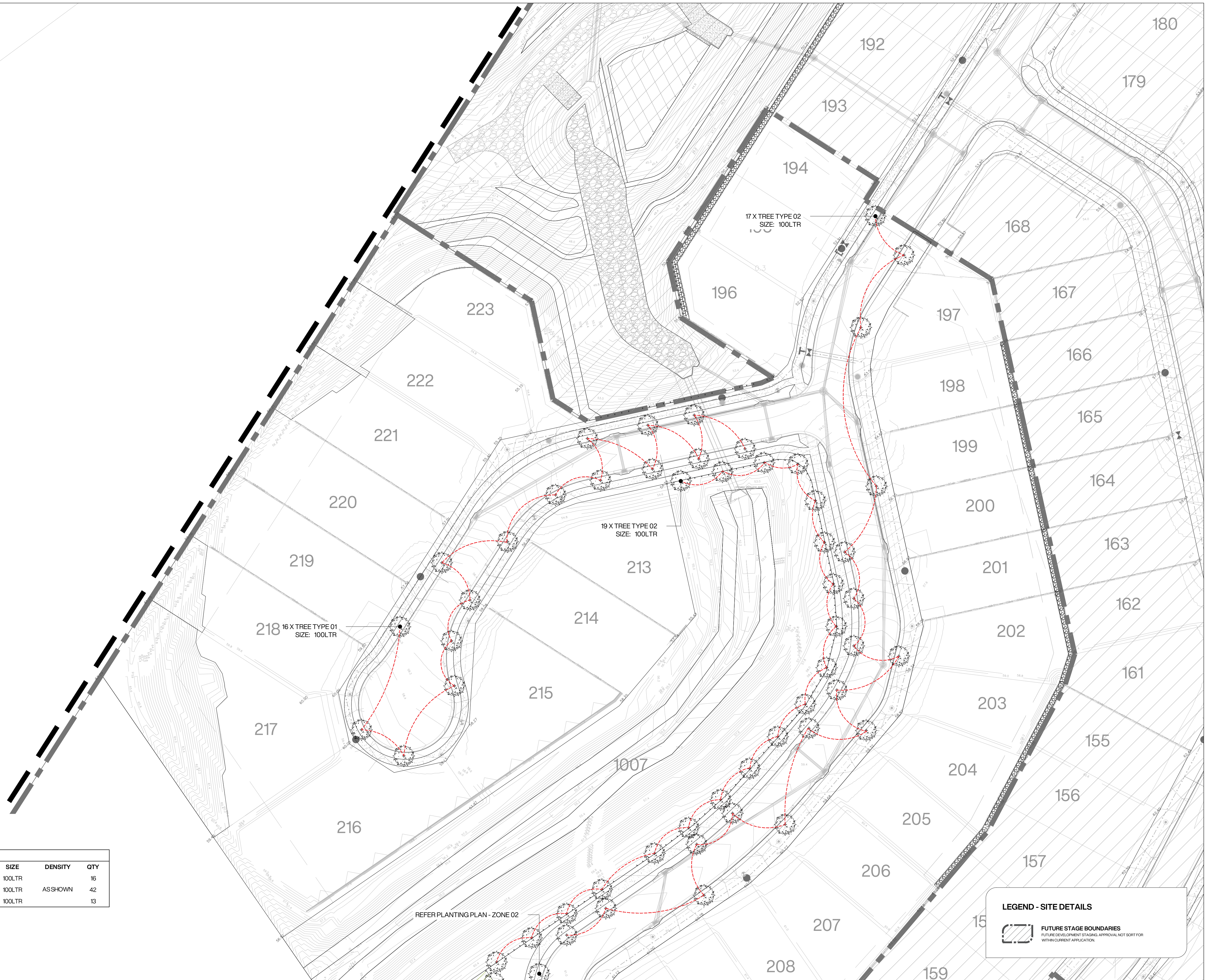
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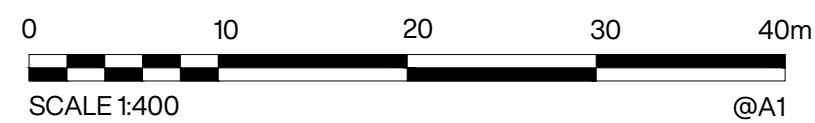
SHEET NO.
05 OF 12



TOTAL TREES: 71

STREET TREES						
TREET TYPE	CODE	SPECIES	COMMON NAME	SIZE	DENSITY	QTY
TREETYPE 01	MELlin	MELALEUCA Inaritifolia	Snow in Summer/Snowstorm	100LTR		16
TREETYPE 02	TRlslu	TRISTANOPSIS laurina	Water Gum	100LTR	ASSHOWN	42
TREETYPE 03	CUPana	CUPANOPSIS anacardioides	Tuckeroo	100LTR		13

NOTE: TABLE REPRESENTS TOTAL STREET TREE QTY'S THIS STAGE.



PROJECT TITLE
CALLI | SUBDIVISION: STAGE 03
OPERATIONAL WORKS: LANDSCAPE
DRAWING TITLE
PLANTING PLAN - ZONE 01

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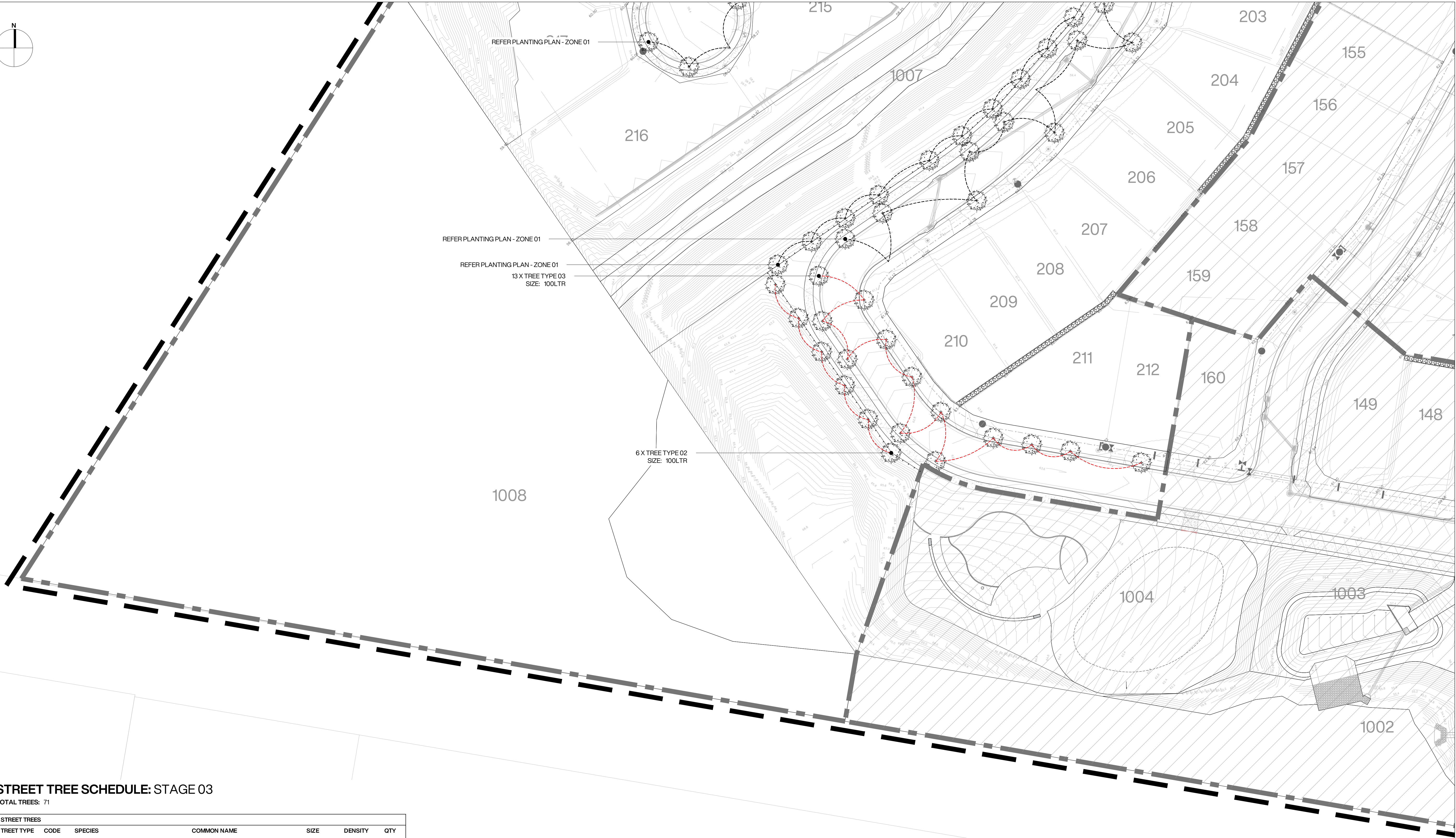
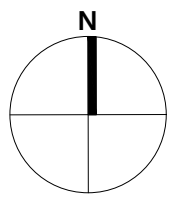
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SHEET NO.
06 OF 12

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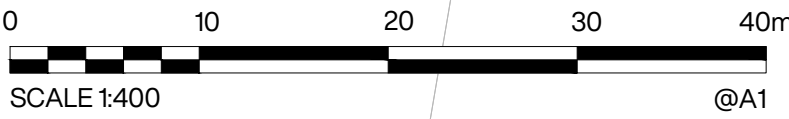


STREET TREE SCHEDULE: STAGE 03

TOTAL TREES: 71

STREET TREES						
TREET TYPE	CODE	SPECIES	COMMON NAME	SIZE	DENSITY	QTY
TREE TYPE 01	MELin	MELALEUCA linarifolia	Show in Summer/Showstorm	100LTR		16
TREE TYPE 02	TRila	TRISTANOPSIS laurina	Water Gum	100LTR	ASSHOWN	42
TREE TYPE 03	CUPana	CUPANOPSIS anacardioides	Tuckeroo	100LTR		13

NOTE: TABLE REPRESENTS TOTAL STREET TREE QTY'S THIS STAGE.



LEGEND - SITE DETAILS



PROJECT TITLE
CALLI | SUBDIVISION: STAGE 03
OPERATIONAL WORKS: LANDSCAPE
DRAWING TITLE
PLANTING PLAN - ZONE 02

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REHABILITATION MODULE (RA, RB, RC3)

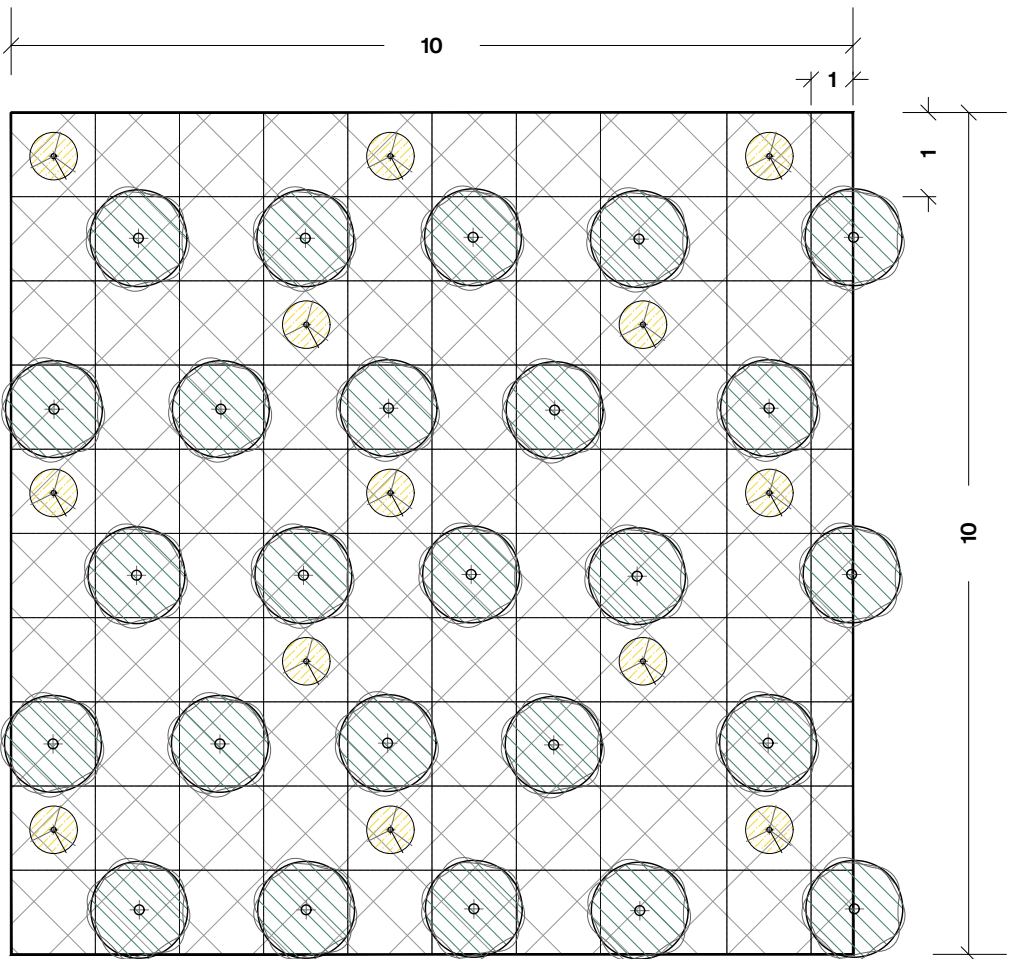
REHABILITATION PLANTING: ZONE A
TOTAL AREA: 12,550.00M² @ 20% INFILL PLANTING ALLOWANCE
REHABILITATION PLANTING: ZONE B
TOTAL AREA: 1455.00M²
FABRICATED WATERWAY: ZONE C3
TOTAL AREA: 3275.00M²

TREES							
CODE	SPECIES	COMMON NAME	SIZE	DENSITY	QTY (RA)	QTY (RB)	QTY (C3)
CORci	CORYMBIA citriodora	Spotted Gum	75mm	1/4M ²	628	364	819
CORint	CORYMBIA intermedia	Pink Bloodwood	75mm				
EUCcar	EUCALYPTUS carnea	Small Fruited Grey Gum	75mm				
EUCmic	EUCALYPTUS microtheca	Small Fruited Grey Gum	75mm				
EUCpro	EUCALYPTUS propinqua	Small Fruited Grey Gum	75mm				
EUCsid	EUCALYPTUS sideroxylo	Small Fruited Grey Gum	75mm	75mm			
EUCter	EUCALYPTUS tereticornis	Golden Bouquet Tree	75mm				
LOPcon	LOPHOSTEMON confertus	Brush Box	75mm				

SHRUBS							
CODE	SPECIES	COMMON NAME	SIZE	DENSITY	QTY (RA)	QTY (RB)	QTY (C3)
ACAdis	ACACIA disparrima	Hickory Wattle	75mm	1/8M ²	314	182	409
ALLit	ALLOCASUARINA littoralis	Black She-Oak	75mm				
MELsal	MELALEUCA salignis	White Bottlebrush	75mm				

GROUNDCOVERS							
CODE	SPECIES	COMMON NAME	SIZE	DENSITY	QTY (RA)	QTY (RB)	QTY (C3)
CYMref	CYMBOPOGON refractus	Lemongrass	75mm	1/8M ²	314	182	409
IMPcyl	IMPERATA cylindrica	Cogon Grass	75mm				
LOMlon	LOMANDRA longifolia	Long Leaved Mat Rush	75mm				
THEtri	THEMEDA triandra	Kangaroo Grass	75mm				

NOTE: ALL QUANTITIES THIS SHEET ONLY. ALL SPECIES BASED ON THE STATE GOVERNMENT'S REGIONAL ECOSYSTEM PRE-CLEAR MAPPING OF RE 12-9-10-27. REFER TO APPROVED REHABILITATION PLAN PROVIDED BY BIOME WATER & ENVIRONMENTAL CONSULTANTS. FINAL QUANTITIES TO BE CONFIRMED ON SITE TO ACHIEVE TOTAL PLANT DENSITIES LISTED INCLUSIVE OF EXISTING VEGETATION.



LEGEND: REHAB MODULE 01

OVERALL DENSITY: 1 PLANT PER 2M²



TREES
PLANTING DENSITY: 1 PL/4M²



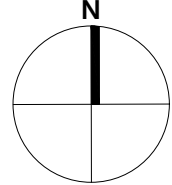
SHRUBS
PLANTING DENSITY: 1 PL/8M²



GROUND COVERS
PLANTING DENSITY: 1 PL/8M²

NOTES:

1. PLANTING LAYOUT HAS BEEN PREPARED FOR A TYPICAL 100M² (10M X 10M) OF RESTORATION INFILL PLANTING AREA.
2. REFER TO REHABILITATION MANAGEMENT PLAN PREPARED FOR THE PROJECT BY BIOME WATER AND ENVIRONMENTAL CONSULTING.
3. SPECIES SHALL BE MIXED THROUGHOUT THE PLANTING AREA.



LEGEND - REHABILITATION ZONES



REHABILITATION PLANTING: ZONE A
ASSISTED NATURAL REGENERATION. REFER REHABILITATION MANAGEMENT PLANS (BIOME) FOR FURTHER INFO. 20% INFILL PLANTING ALLOWANCE.
TOTAL AREA: 12,550.00M²



REHABILITATION PLANTING: ZONE B
ECOSYSTEM RECONSTRUCTION. REFER REHABILITATION MANAGEMENT PLANS (BIOME) FOR FURTHER INFO.
TOTAL AREA: 1455.00M²



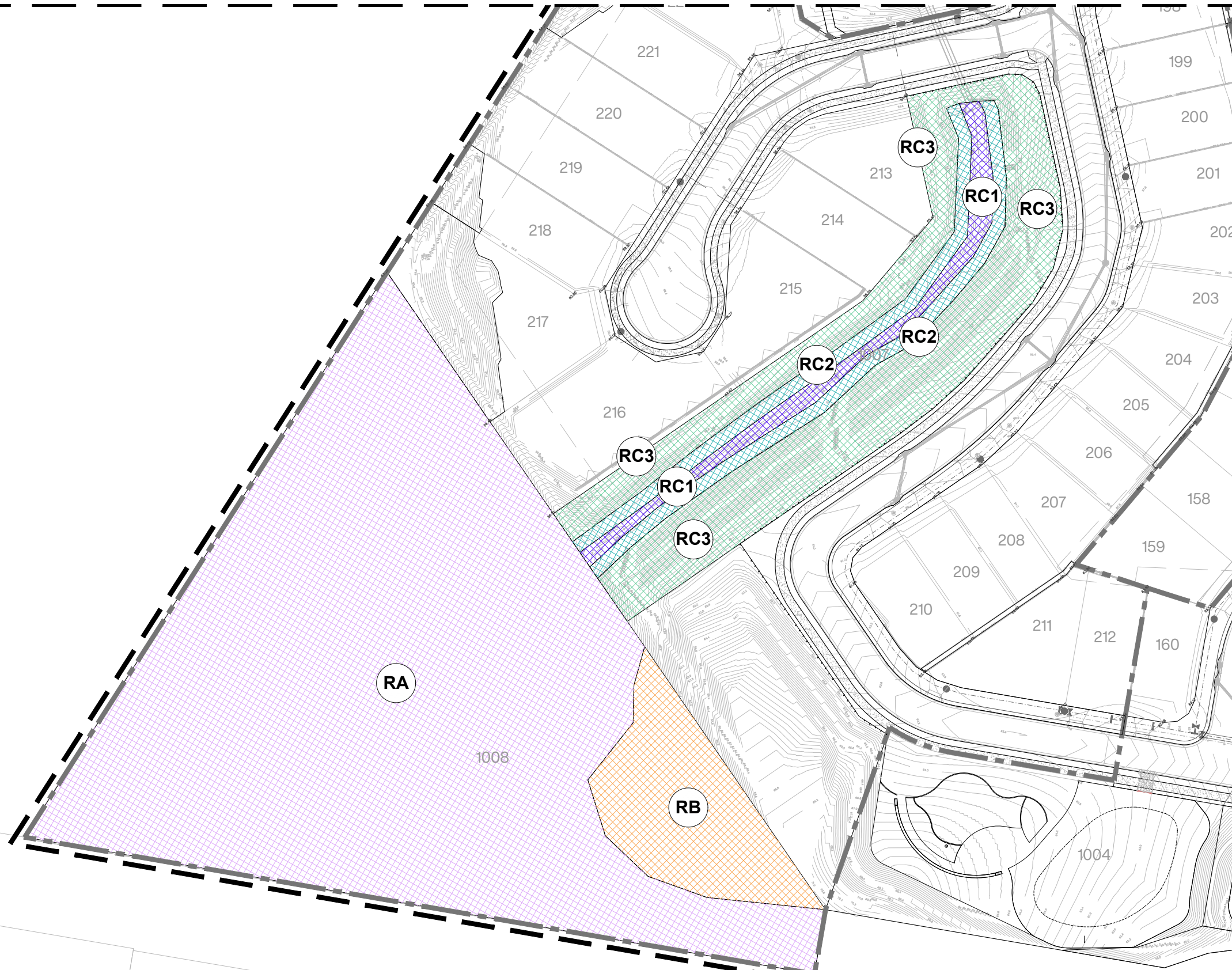
FABRICATED WATERWAY: ZONE C1
FABRICATED WATERWAY. REFER REHABILITATION MANAGEMENT PLANS (BIOME) FOR FURTHER INFO.
TOTAL AREA: 1110.00M²



FABRICATED WATERWAY: ZONE C2
FABRICATED WATERWAY. REFER REHABILITATION MANAGEMENT PLANS (BIOME) FOR FURTHER INFO.
TOTAL AREA: 470.00M²



FABRICATED WATERWAY: ZONE C3
FABRICATED WATERWAY. REFER REHABILITATION MANAGEMENT PLANS (BIOME) FOR FURTHER INFO.
TOTAL AREA: 3275.00M²



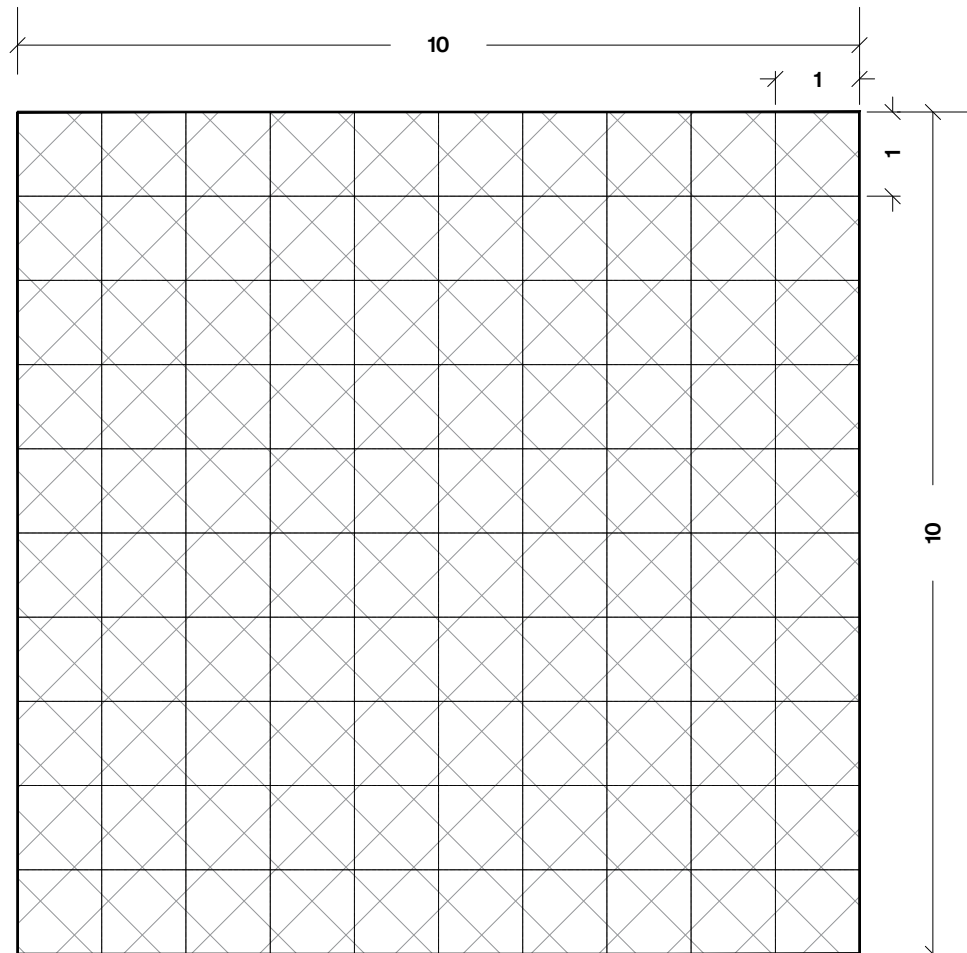
REHABILITATION ZONES: STAGE 03
SCALE | 1:1000

REHABILITATION MODULE 02 (RC1)

FABRICATED WATERWAY: ZONE C1
TOTAL AREA: 1110.00M²

GROUNDCOVERS					
CODE	SPECIES	COMMON NAME	SIZE	DENSITY	QTY
BAUart	BAUMEA articulata	Jointed Twigrush	75mm	4PM ²	2044
BAUrub	BAUMEA rubiginosa	Soft Twigrush	75mm		
CARfas	CAREX fascicularis	Tassel Sedge	75mm		
CYPexa	CYPERUS exaltatus	Giant Sedge	75mm		
ELEdul	ELEOCHARIS dulcis	Water Chesnut	75mm		
JUNusi	JUNCUS usitatus	Common Rush	75mm		
LEPart	LEPIRONIA articulata	Grey Sedge	75mm		
PHRaus	PHRAGMITES australis	Common Reed	75mm		
SCHmuc	SCHOENOPLECTUS mucronatus	Clubrush	75mm		

NOTE: ALL QUANTITIES THIS SHEET ONLY. ALL SPECIES BASED ON THE STATE GOVERNMENT'S REGIONAL ECOSYSTEM PRE-CLEAR MAPPING OF RE 12-9-10-27. REFER TO APPROVED REHABILITATION PLAN PROVIDED BY BIOME WATER & ENVIRONMENTAL CONSULTANTS. FINAL QUANTITIES TO BE CONFIRMED ON SITE TO ACHIEVE TOTAL PLANT DENSITIES LISTED INCLUSIVE OF EXISTING VEGETATION.



LEGEND: REHAB MODULE 02

OVERALL DENSITY: 4 PLANT PER 1M²



GROUND COVERS
PLANTING DENSITY: 4 PL/1M²

NOTES:

1. PLANTING LAYOUT HAS BEEN PREPARED FOR A TYPICAL 100M² (10M X 10M) OF RESTORATION INFILL PLANTING AREA.
2. REFER TO REHABILITATION MANAGEMENT PLAN PREPARED FOR THE PROJECT BY BIOME WATER AND ENVIRONMENTAL CONSULTING.
3. SPECIES SHALL BE MIXED THROUGHOUT THE PLANTING AREA.

REHABILITATION MODULE 03 (RC2)

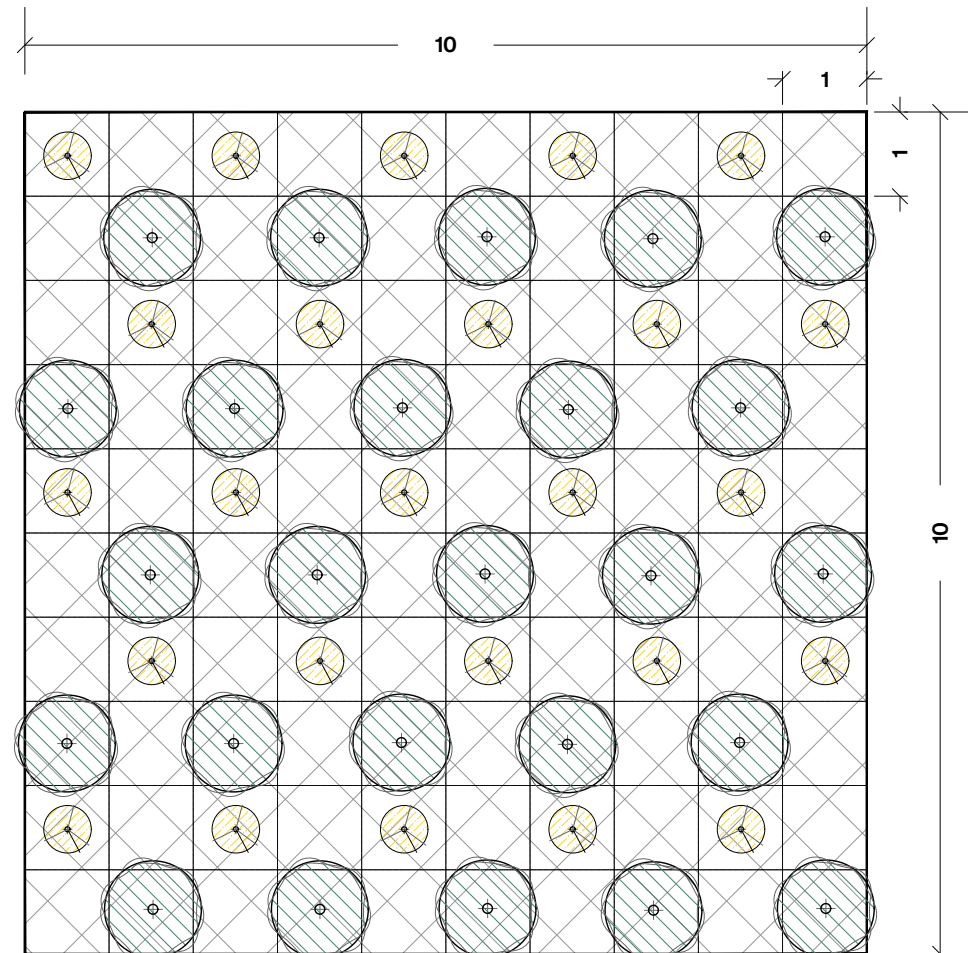
FABRICATED WATERWAY: ZONE C2
TOTAL AREA: 470.00M²

TREES						
CODE	SPECIES	COMMON NAME	SIZE	DENSITY	QTY (RA)	
CASoun	CASUARINA cunninghamiana	River She Oak	75mm	1/4M ²	118	
ELAgra	ELAEOCARPUS grandis	Silver Quandong	75mm			
EUCgra	EUCALYPTUS grandis	Rose Gum	75mm			
EUCter	EUCALYPTUS tereticornis	Forest Red Gum	75mm			
FICmac	FICUS macrophylla	Moreton Bay Fig	75mm			
GRErob	GREVILLEA robusta	Silky Oak	75mm			
TRILau	TRISTANOPSIS laurina	Water Gum	75mm			
LOPua	LOPHOSTEMON suavolens	Swamp Mahogany	75mm			
MELbra	MELALEUCA bracteatum 'Golden Gem'	Golden Gem	75mm			

SHRUBS					
CODE	SPECIES	COMMON NAME	SIZE	DENSITY	QTY (RA)
FICcor	FICUS coronata	Creek Sand Paper Fig	75mm	1/4M ²	118
MELvim	MELALEUCA viminalis	Weeping Bottlebrush	75mm		
SYZfra	SYZIGIUM francisii	Giant Water Hum	75mm		
GLOfer	GLOCHIDION ferdinandi	Cheese Tree/Buttonwood	75mm		
MELbra	MELALEUCA bracteatum 'Golden Gem'	Golden Gem	75mm		

GROUNDCOVERS					
CODE	SPECIES	COMMON NAME	SIZE	DENSITY	QTY (RA)
GAHcla	GAHNI A clarkii	Tall Saw Sedge	75mm	1/2M ²	235
GAHsie	GAHNI A sieberiana	Swordgrass	75mm		
LOMhys	LOMANDRA hystrix	Creek Matt Rush	75mm		
LOMlon	LOMANDRA longifolia	Long Leaved Mat Rush	75mm		

NOTE: ALL QUANTITIES THIS SHEET ONLY. ALL SPECIES BASED ON THE STATE GOVERNMENT'S REGIONAL ECOSYSTEM PRE-CLEAR MAPPING OF RE 12-9-10-27. REFER TO APPROVED REHABILITATION PLAN PROVIDED BY BIOME WATER & ENVIRONMENTAL CONSULTANTS. FINAL QUANTITIES TO BE CONFIRMED ON SITE TO ACHIEVE TOTAL PLANT DENSITIES LISTED INCLUSIVE OF EXISTING VEGETATION.



LEGEND: REHAB MODULE 03

OVERALL DENSITY: 1 PLANT PER 4M²



TREES
PLANTING DENSITY: 1 PL/4M²



SHRUBS
PLANTING DENSITY: 1 PL/8M²



GROUND COVERS
PLANTING DENSITY: 1 PL/2M²

NOTES:

1. PLANTING LAYOUT HAS BEEN PREPARED FOR A TYPICAL 100M² (10M X 10M) OF RESTORATION INFILL PLANTING AREA.
2. REFER TO REHABILITATION MANAGEMENT PLAN PREPARED FOR THE PROJECT BY BIOME WATER AND ENVIRONMENTAL CONSULTING.
3. SPECIES SHALL BE MIXED THROUGHOUT THE PLANTING AREA.

PROJECT TITLE
CALLI | SUBDIVISION: STAGE 03
OPERATIONAL WORKS: LANDSCAPE
DRAWING TITLE
REHABILITATION MANAGEMENT PLAN

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APP
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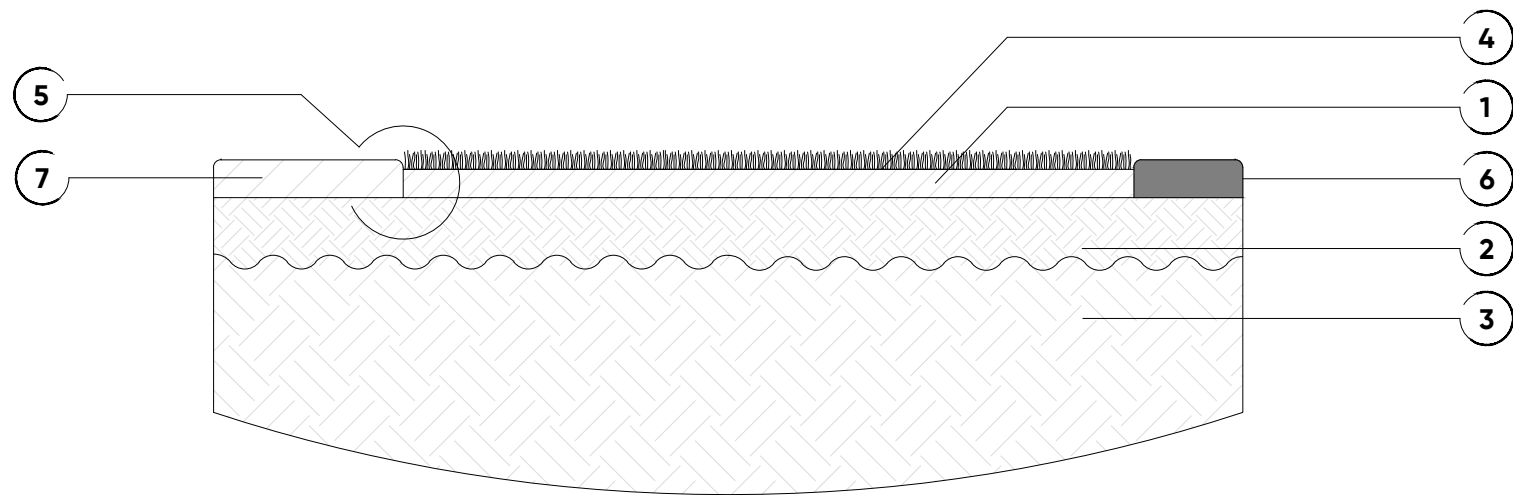
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L23108 - 205

SHEET NO.
08 OF 12



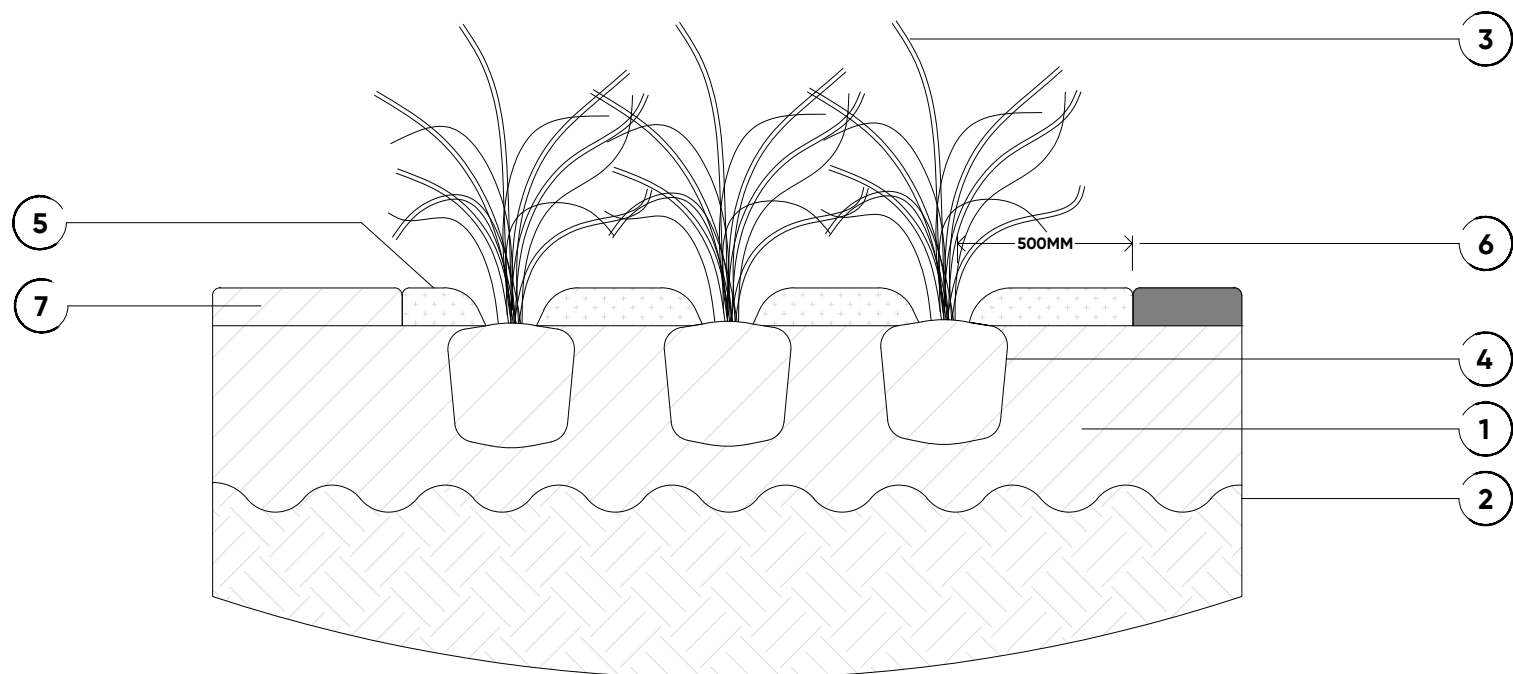
TYPICAL DETAIL 01 - TURF

REFER ALSO SPECIFICATIONS FOR FURTHER DETAILS

REFER TO DETAILED SPECIFICATION REGARDING SOIL AND MULCH TYPES, ALL ASSOCIATED MATERIAL QUALITY REQUIREMENTS AND STANDARDS INCLUDING REQUIRED HOLD POINTS AND GENERAL MAINTENANCE REQUIREMENTS

INSTALLATION

- 10 PREPARE PLANTING AREA TO ENSURE SOIL PROFILE AS SPECIFIED (TYPICAL PREPARATION OF 100MM DEPTH TO ALLOW FOR TURF UNDERLAY AND ROLL TURF INSTALLATION WORKS).
- 11 CULTIVATE THE SURROUNDING SUBGRADE TO A FURTHER 100MM DEPTH AND REMOVE ANY STONE OR ROCK EXCEEDING 50MM IN DIAMETER AS WELL AS ANY ORGANIC MATERIAL, SUCH AS
- 12 ROOTS, STICK, CLDS OR WEEDS (BOTH IN AND THROUGH EXCAVATION) PRESENT. IN GENERAL, REMOVE ANY ALL MATERIAL, OR OTHERS THAT WOULD BE DETRIMENTAL TO TURF HEALTH.
- 13 SUBGRADE TO BE EVALUATED ON SITE TO ASSESS PERMEABILITY AND GENERAL TYPE TO EVALUATE REQUIREMENT FOR ADDITIONAL DRAINAGE WORKS OR FOR CULTIVATION WORKS TO ENSURE
- 14 INLAE DRAINAGE IMPACTS ON TURF HEALTH.
- 15 INSTALL TURF UNDERLAY OF 75MM. REFER TO SPECIFICATIONS FOR UNDERLAY TYPE AND INSTALL PARAMETERS.
- 16 REFER TO PLANS AND SPECIFICATIONS IN TURF TYPE AND ESTABLISHMENT REQUIREMENTS (ROLLING, WATERING, FERTALISING AND GENERAL MAINTENANCE PARAMETERS), TURF PLACEMENT TO
- 17 ACHIEVE LEVEL, FINISH AT GRASSES AND FINISHED LEVELS AS NOTICED THIS DOCUMENT.
- 18 TURF PLANS AND RELEVANT STANDARD DETAILS FOR EACH TREATMENT WHERE NOT ABUTTING PATHWAY, PLANTER, KERB OR OTHER.
- 19 REFER TO PLANS AND RELEVANT STANDARD DETAIL FOR ADJACENT LANDSCAPE TREATMENTS.



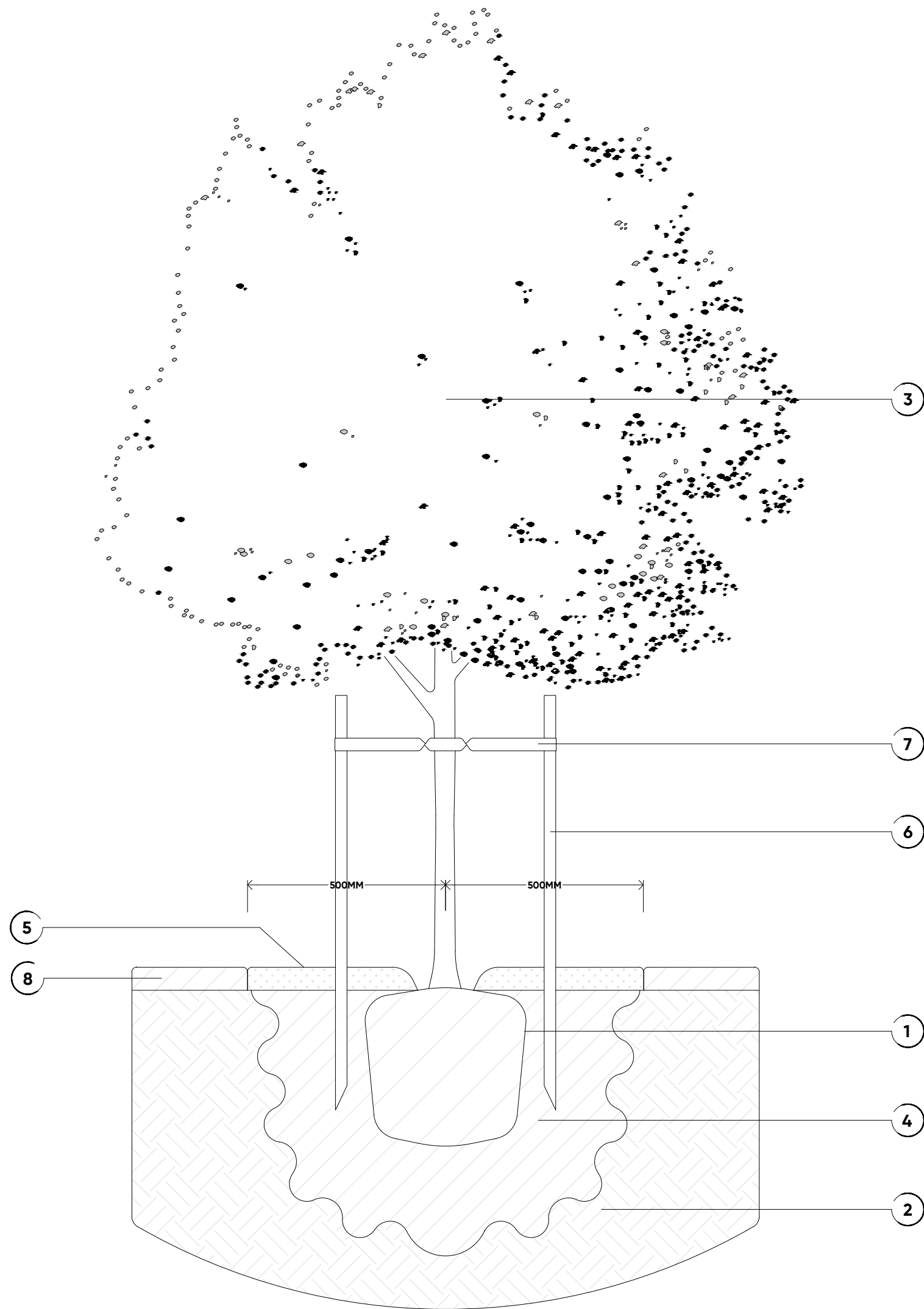
TYPICAL DETAIL 02 - GENERAL PLANTING

REFER ALSO SPECIFICATIONS FOR FURTHER DETAILS

REFER TO DETAILED SPECIFICATION REGARDING SOIL AND MULCH TYPES, ALL ASSOCIATED MATERIAL QUALITY REQUIREMENTS AND STANDARDS INCLUDING REQUIRED HOLD POINTS AND GENERAL MAINTENANCE REQUIREMENTS

INSTALLATION

- | | |
|----|--|
| 10 | PREPARE PLANTING AREA TO ENSURE SOIL PROFILE IS SPECIFIED (TYPICAL MINIMUM 300MM SOIL/IMPORT OR IMPROVED SITE SOIL TO AS4419-2003, REFER TO SPECIFICATIONS). |
| 20 | CULTIVATE THE SURROUNDING SUBGRADE TO 100MM IN DEPTH AND REMOVE ANY STONE OR ROCK EXCEEDING 50MM IN DIAMETER AS WELL AS ANY ORGANIC MATERIAL SUCH AS ROOTS STICKS CLOS OR WEEDS (BRUSH) THROUGH EXCAVATION PROCESS; IN GENERAL, REMOVE ANY ALL MATERIAL OR DEBRIS THAT WOULD BE DETRIMENTAL TO PLANT HEALTH. |
| 30 | PLANT TYPE, SIZE, DENSITY AND LOCATION AS SPECIFIED ON PLANS AND PLANTING SCHEDULES. |
| 40 | INSTALL SLOPE RELEASE FERTILISER IN LINE WITH BEST PRACTICE OR AS SPECIFIED IN THIS DOCUMENT. |
| 50 | INSTALL MULCH AS SPECIFIED TO A DEPTH OF 50MM. EXPOSED MULCH IS PLACED MINIMUM 500MM FROM PLANT STEM. MULCH SHOULD BE APPLIED GENERALLY AS ILLUSTRATED TO CREATE A WELL "AROUND" THE PLANT TO PROMOTE WATER RETENTION. |
| 60 | ENSURE MINIMUM OFFSET OF 500MM FROM ANY PATHWAYS, FENCING LINES, FOOTING ETC OR AS SPECIFIED IN THIS DOCUMENT. |
| 70 | REFER TO PLANS AND RELEVANT STANDARD DETAIL FOR ADJACENT LANDSCAPE TREATMENTS. |



TYPICAL DETAIL 03 - TREE PLANTING

REFER ALSO SPECIFICATIONS FOR FURTHER DETAILS

REFER TO DETAILED SPECIFICATION REGARDING SOIL AND MULCH TYPES, ALL ASSOCIATED MATERIAL QUALITY REQUIREMENTS AND STANDARDS INCLUDING REQUIRED HOLD POINTS AND GENERAL MAINTENANCE REQUIREMENTS

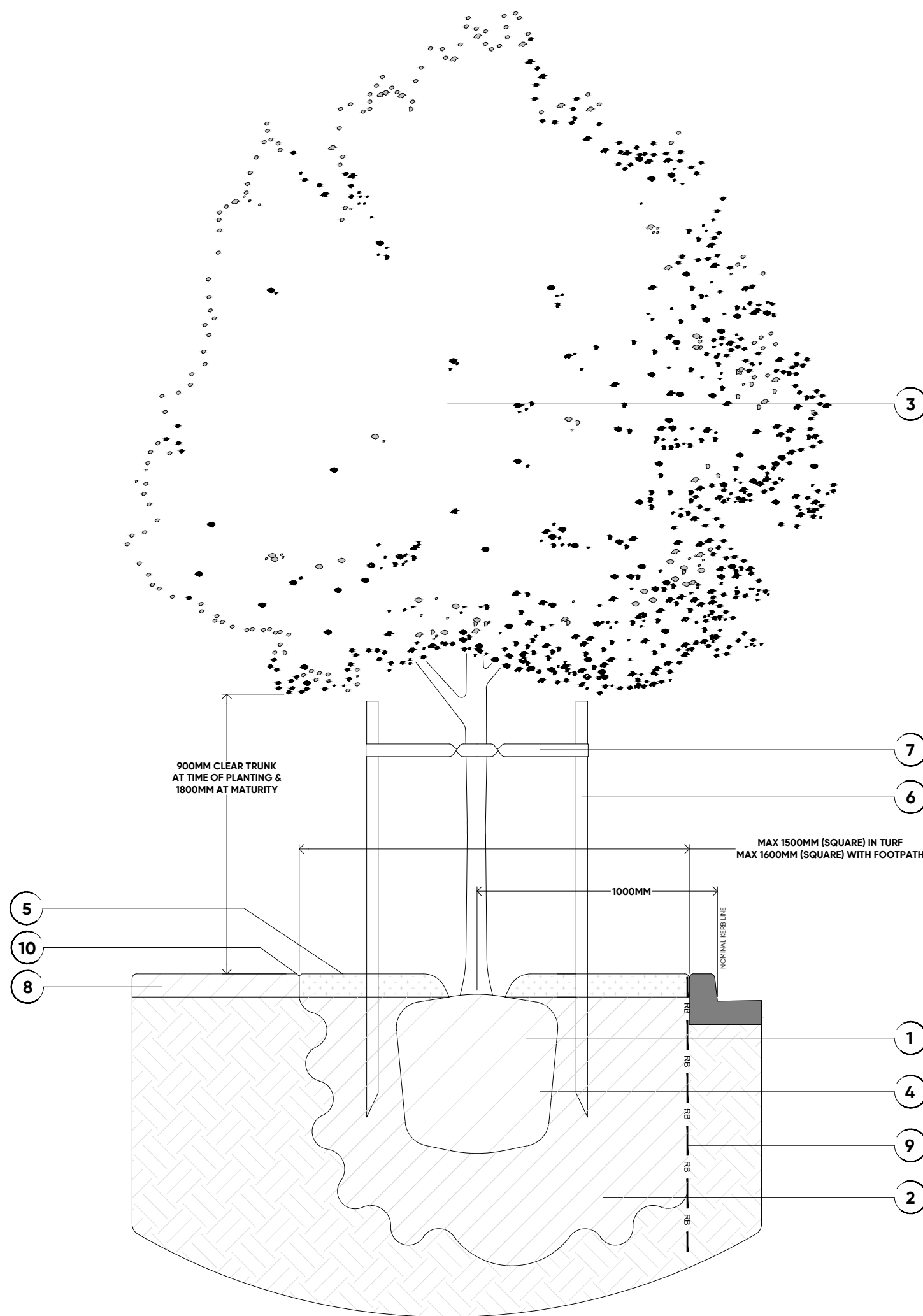
INSTALLATION

- | | |
|-----|---|
| 2.0 | EXCAVATE HOLE TO MINIMUM 22 INCH DIAM AND 22 INCH DEPTH OF ROOTBALL. |
| 3.0 | CULTIVATE THE SURROUNDING SUBGRADE TO 200MM IN DEPTH AND REMOVE ANY STONE OR ROCK EXCEEDING 50MM IN DIAMETER AS WELL AS ANY ORGANIC MATERIAL SUCH AS ROOTS STOP CLOUDS OR DEBRIS BROUGHT IN THROUGH EXCAVATION PROCESS. IN GENERAL, REMOVE ANY ALL MATERIAL OR DEBRIS THAT WOULD BE DETRIMENTAL TO PLANT HEALTH. A TREE HOLE INSPECTION WILL BE REQUIRED PRIOR TO INSTALL. OF TREES UNLESS STATED OTHERWISE, REMOVE LIAISON WITH PROJECT MANAGER OR LANDSCAPE SUPERINTENDENT / ARCHITECT PRIOR TO PROCEEDING WITH PLANTING WORKS. |
| 3.0 | TREE TYPE, SIZE AND LOCATION AS SPECIFIED ON PLANS AND PLANTING SCHEDULES. |
| 4.0 | BACKFILL TREE HOLE WITH SOIL AS SPECIFIED. SOIL SHALL COMPLY WITH A5449-2003 - INSTALL SLOW RELEASE FERTILISER IN LINE WITH BEST PRACTICE OR AS SPECIFIED IN THIS DOCUMENT. |
| 5.0 | INSTALL MULCH COLLAR. THIS IS TYPICALLY TO BE MINIMUM 500MM RADIOUS UNLESS OTHERWISE STATED ON PLANS AND IS TO BE AT A DEPTH OF 100MM. EXPOSED MULCH IS PLACE MINIMUM 100MM FROM STEEL TO PREVENT COLLAR ROT. MULCH SHOULD BE PROFILED GENERALLY AS ILLUSTRATED TO CREATE A WELL AROUND THE TREE TO PROMOTE WATER RETENTION. |
| 6.0 | IF SPECIFIED, STAKE TO BE 100 TO 150 MM DIA. GALVANIZED STEEL OR EQUIVALENT RING OR GUARD RING 200MM HIGHER ABOVE GROUND. INSURE STAKES ARE CLEAR OF ROOT BALL. |
| 7.0 | TREE TO STAKES WITH 50MM HESSIAN OR RUBBERISED BLACK PVC IN A FIGURE OF 8. ONE END INSURE HURRY STAKES ARE REMOVED. |
| 8.0 | REFER TO PLANS AND RELEVANT STANDARD DETAIL FOR ADJACENT LANDSCAPE TREATMENTS. |

GENERAL

IMPORTANT: TREES ARE TO ABIDE BY LOCAL COUNCIL TREE STOCK REQUIREMENT STANDARDS. THESE STANDARDS WILL BE REVIEWED AT FORMAL TREE HOLE INSPECTION WITH COUNCIL ASSESSING OFFICER. THESE ARE DETAILED WITHIN THE ASSOCIATED SPECIFICATIONS AND CAN GENERALLY BE SUMMARISED AS:

- ALL TREES HOLES MARKED OUT IN ACCORDANCE WITH APPROVAL AND COMPLY WITH ALL COUNCIL STANDARD OFFSET.
- TREE HOLE DIMENSIONS AND PREPARATION PARAMETERS ARE AS PER THOSE STATED ABOVE
- TREE HOLES DO NOT IMPACT ON SERVICES OR OTHER INFRASTRUCTURE
- ALL TREES ARE AS PER NATSPEC SPECIFICATIONS INCLUDING CORRECT FORM AND STRUCTURE.
- STREET TREES AND FEATURE TREES TO HAVE A MINIMUM 900MM TREE TRUNK AND BE 2000MM IN HEIGHT AT TIME OF PLANTING



NOTE: THIS TREE PLANTING DETAIL GENERALLY ABIDES BY CoGC STANDARDS. REFER TO STANDARD DRAWING 05-102 2015 EDITION FOR FURTHER INFORMATION

TYPICAL DETAIL 04 - STREET TREE PLANTING (CoGC)

REFER ALSO SPECIFICATIONS FOR FURTHER DETAILS

REFER TO DETAILED SPECIFICATION REGARDING SOIL AND MULCH TYPES, ALL ASSOCIATED MATERIAL QUALITY REQUIREMENTS AND STANDARDS INCLUDING REQUIRED HOLD POINTS AND GENERAL MAINTENANCE REQUIREMENTS

INSTALLATION

- | | |
|----|---|
| 2 | EXCAVATE HOLE TO MINIMUM 2X WIDTH AND 1/2X DEPTH OF FOOTBALL. |
| 3 | LOCATE THE SURROUNDING SUBGRADE TO DOWM IN DEPTH AND REMOVE ANY STONE OR ROCK EXCEEDING 50MM IN DIAMETER AS WELL AS ANY ORGANIC MATERIAL, SUCH AS ROOTS STOCKS OR WEEDS BROUGHT IN THROUGH EXCAVATION PROCESS. IN GENERAL, REMOVE ANY MATERIAL OR DEBRIS THAT WOULD BE DETRIMENTAL TO PLANT HEALTH. A TREE HOLE INSPECTION REPORT MUST BE PREPARED AND SUBMITTED TO THE PROJECT MANAGER AND LANDSCAPE SUPERINTENDENT / ARCHITECT PRIOR TO PROCEEDING WITH PLANTING WORKS. |
| 3 | TREE 1: TREE SIZE AND LOCATION AS SPECIFIED ON PLANS AND PLANTING SPECIFICATIONS (MM 451.10). |
| 4 | BACKFILL TREE HOLE WITH LOOSE SOIL AS SPECIFIED, SLOP COMPLY WITH 45449-2001, INSTALL SLOW RELEASE FERTILIZER LINE WITH BEST PRACTICE AS SPECIFIED IN THIS DOCUMENT. |
| 5 | INSTALL MOLLI-COLOR, WHICH IS TYPICALLY TO BE 100MM 500MM RADIUS UNLESS OTHERWISE SPECIFIED ON PLANS AND ABOVE. IT TO BE AT DEPTH OF 100MM. INSURE STAKES ARE CLEAR OF PLANTED MATERIAL UNIFORM 100MM FROM THE TREE TRUNK. THE MOLLI-COLOR SHALL BE A LIGHT BROWN COLOR. IT SHALL BE AROUND THE TREE TO PROMOTE WATER INTRUSION. |
| 6 | STAKE TREES AS SPECIFIED: STAKES TO BE 300 X 50 X 150MM WITH 600MM TO 1000MM GROUNDING GROUND ENSURING 500MM HEADS AND ABOVE GROUND. INSURE STAKES ARE CLEAR OF ROOT BALL. |
| 7 | THE TREE TO STAKES WITH 50MM-HAMMER OR RUBBERED BACK LOG AND PLANTING STAKE. INSURE JURY STAKES ARE REMOVED. |
| 8 | REFER TO PLANS AND RELEVANT STANDARD DETAIL FOR ADJACENT LANDSCAPE TREATMENTS. |
| 9 | INSTALL ROOT GUARD TO PROTECT TREE TRUNK REFER TO SPECIFICATION FOR TYPE. AS PER DETAIL, ROOT GUARDS ARE TYPICALLY PLACED TO HEAR OF CORRECTION. MAY BE SPECIFIED TO ADDITIONAL AREAS AS NEARBY TREES BY PROXIMITY TO SPRINGCETTES REFER TO SETOUT PLAN FOR CONFIRMATION OF LOCATION. |
| 10 | SPACE EDGE TO ALL VERGE. TURF MOLLI-COLORING REFERENCES. |

GENERAL

IMPORTANT: TREES ARE TO ABIDE BY LOCAL COUNCIL TREE STOCK REQUIREMENT STANDARDS. THESE STANDARDS WILL BE REVIEWED AT FORMAL TREE HOLE INSPECTION WITH COUNCIL ASSESSING OFFICER. THESE ARE DETAILED WITHIN THE ASSOCIATED SPECIFICATIONS AND CAN GENERALLY BE SUMMARISED AS:

- ALL TREES HOLES MARKED OUT IN ACCORDANCE WITH APPROVAL AND COMPLY WITH ALL COUNCIL STANDARD OFFSETS.
- TREE HOLE DIMENSIONS AND PREPARATION PARAMETERS ARE AS PER THOSE STATED ABOVE.
- TREE HOLES DO NOT IMPACT ON SERVICES OR OTHER INFRASTRUCTURE.
- ALL TREES ARE AS PER NATSPEC SPECIFICATIONS INCLUDING CORRECT FORM AND STRUCTURE.
- STREET TREES AND FEATURE TREES TO HAVE A MINIMUM 900MM TREE TRUNK AND BE 200MM IN HEIGHT AT TIME OF PLANTING.

STREET TREE SPECIFIC

STREET TREE LOCATION SUBJECT TO CHANGE BASED ON DRIVEWAY AND SERVICES LOCATIONS

GENERAL ALLOWANCE OF 1 TREE PER LOT.

LOCATIONS TO BE VERIFIED BY LOCAL COUNCIL AND LANDSCAPE ARCHITECT AT TREE HOLE INSPECTION

- TREES ARE NOT TO BE PLANTED WITHIN:
 - 30' OF RESIDENTIAL ACCESS
 - A MINIMUM OF 15 METERS OF THE APPROACH SIDE OF ANY STREET INTERSECTION TO MAINTAIN SIGHT LINES - 6 METERS OF DEPARTURE
 - 6 METERS OF A DEPARTURE SIDE OF A PEDESTRIAN CROSSING, BUS STOP SIGN OR SHELTER TO MAINTAIN SIGHT LINES
 - 30' TO EITHER SIDE OF A FOOTPATH CROSSOVER INCLUDING BREWAYS AND PATHS
 - 25 METERS OF ELECTRICITY / TELEPHONE POLES
 - MINIMUM 2 METERS FROM SERVICES
 - MINIMUM 7 METERS FROM STREET LIGHTS
 - MINIMUM 4 METERS FROM HIGH VOLTAGE TRANSMISSION LINES
 - 4.5 METERS FROM A MAJOR VEHICULAR ACCESS CROSSING
 - 3 METERS FROM A FIRE HYDRANT

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APP
A	FOR APPROVAL	18.12.24	MB	MB	MB	JB

ISSUE: FOR APPROVAL	CLIENT: HB LAND PTY LTD
BASE PROVIDED BY: MORTONS URBAN SOLUTIONS	MANAGER: JON BROOKSBY

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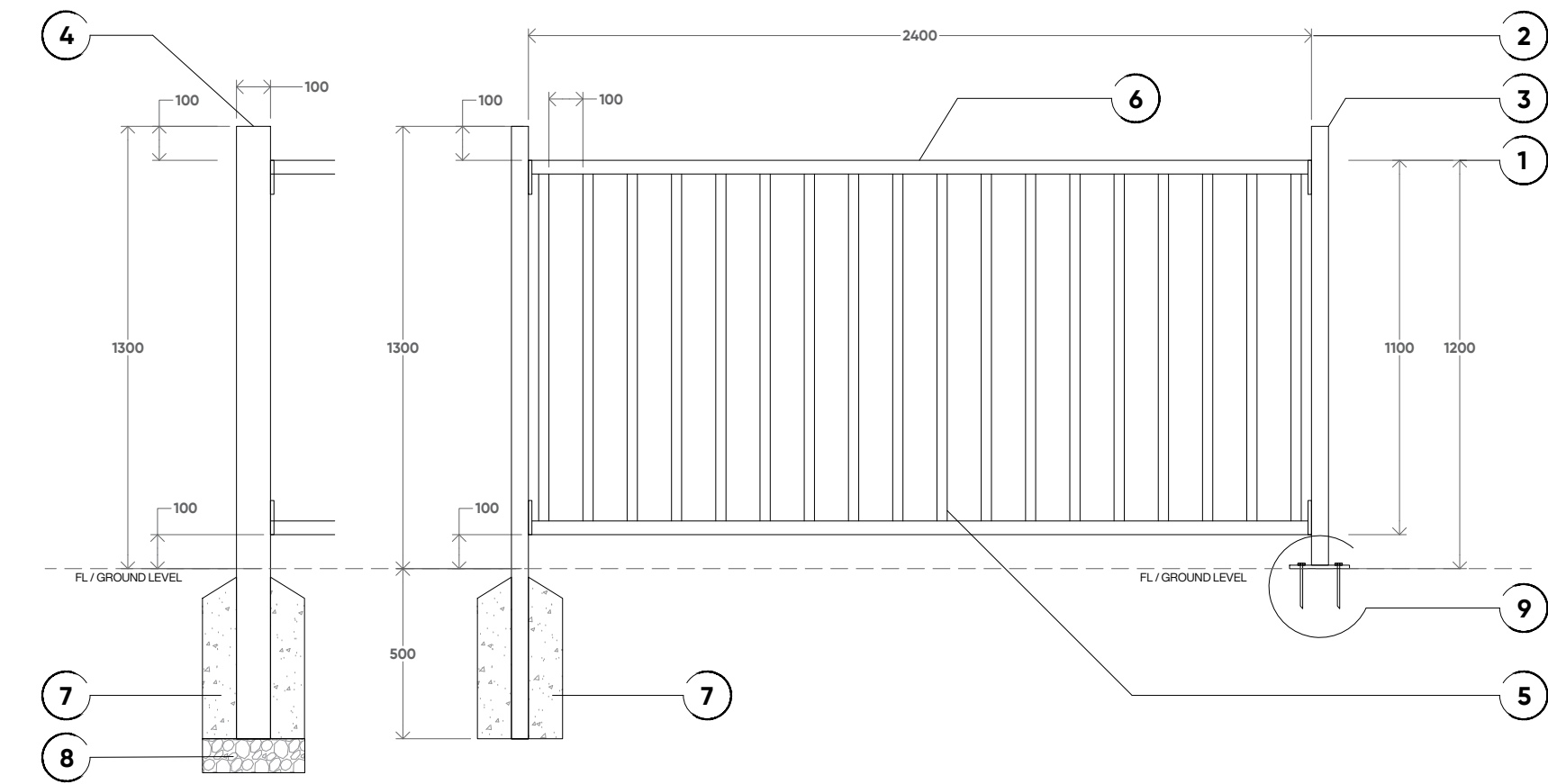
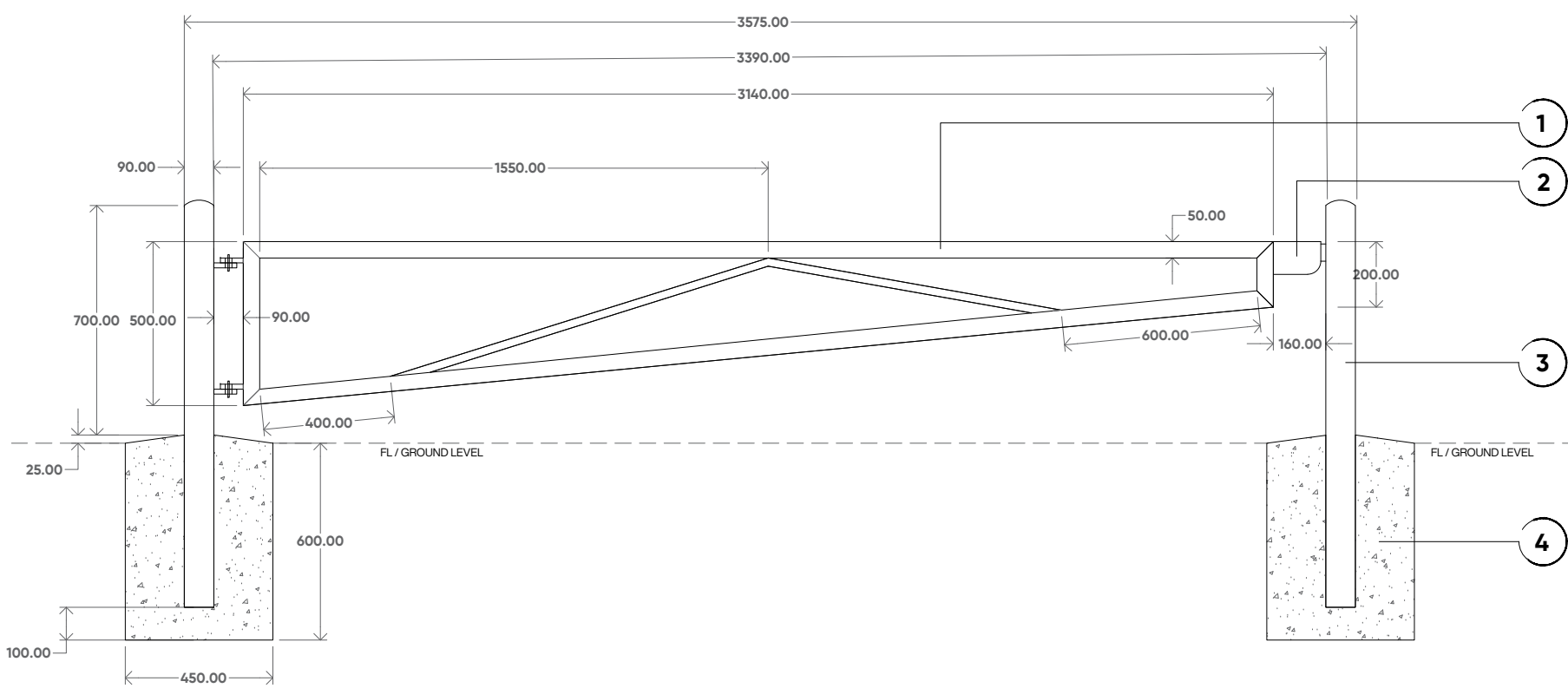
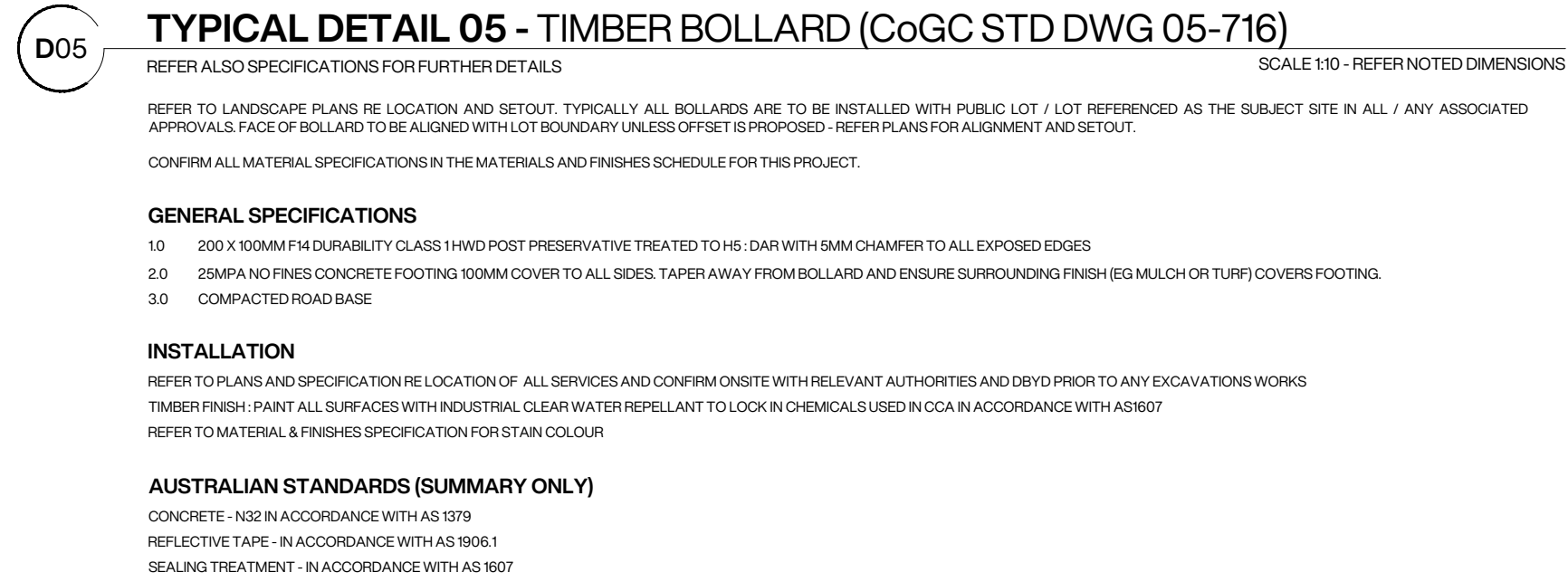
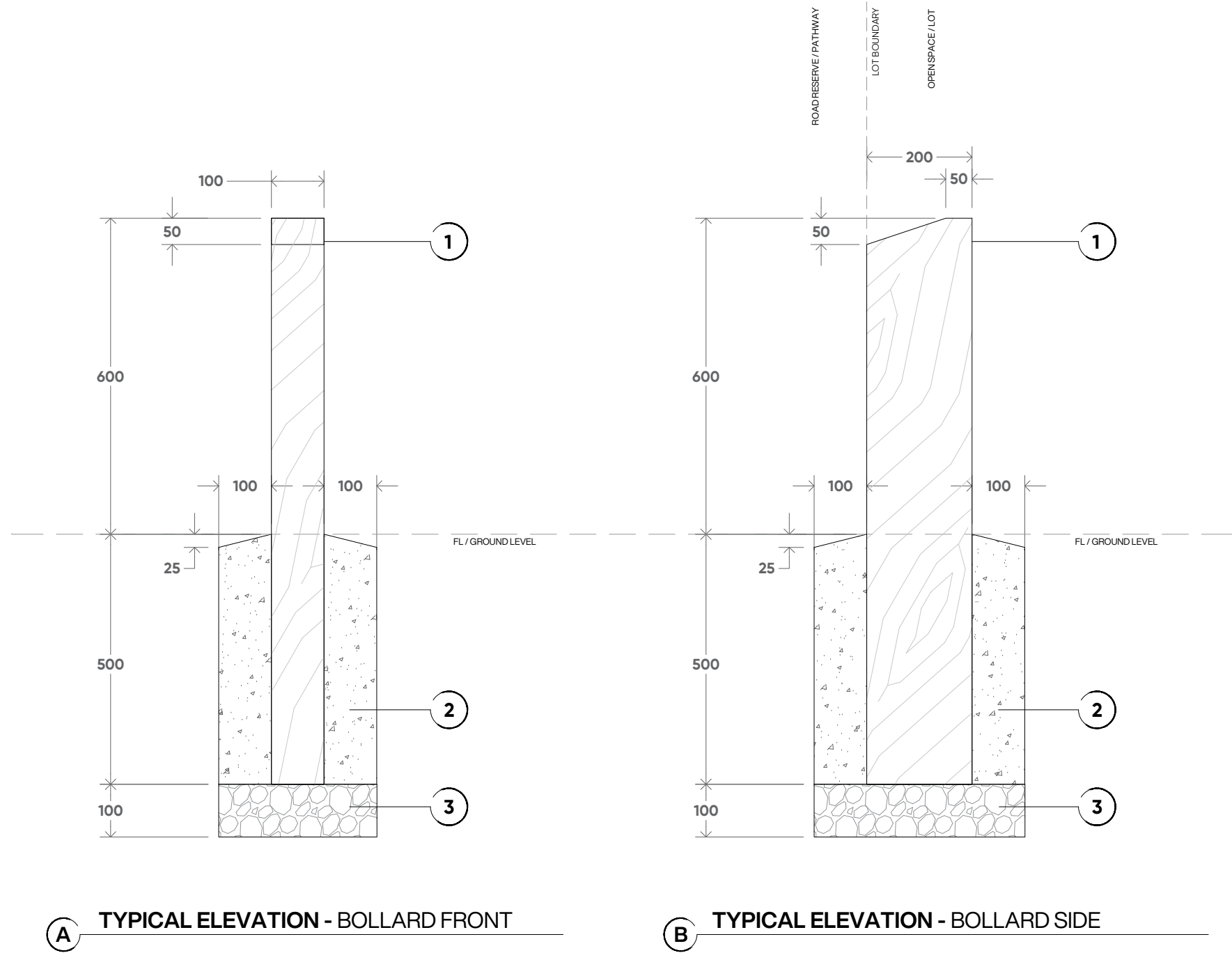
JOB / DRAWING NO:

L23108 - 300

SHEET NO.

09 OF 12

CALLI | L23108 - 301 | SUBDIVISION: STAGE 03 | OPERATIONAL WORKS: LANDSCAPE | DRAWING TITLE: DETAIL DRAWINGS 02 | SHEET NO. 10 OF 12 | PROJECT NO. L23108 - 301 | DATE: 18.12.24 | DRAWN: MB | DESIGN: MB | CHECK: MB | APP: JB | PROJECT TITLE: CALLI | SUBDIVISION: STAGE 03 | OPERATIONAL WORKS: LANDSCAPE | DRAWING TITLE: DETAIL DRAWINGS 02 | SHEET NO. 10 OF 12 | PROJECT NO. L23108 - 301 | DATE: 18.12.24 | DRAWN: MB | DESIGN: MB | CHECK: MB | APP: JB



TYPICAL DETAIL 06 - ACCESS GATE (CoGC STD DWG 13-05-16)

REFER ALSO TO SPECIFICATIONS FOR FURTHER DETAILS

REFER TO LANDSCAPE PLANS RE LOCATION AND SETOUT. CONFIRM ALL MATERIAL SPECIFICATIONS IN THE MATERIALS AND FINISHES SCHEDULE FOR THIS PROJECT.

GENERAL SPECIFICATIONS

- 25 O.D GALVANISED PIPE
- REFER TO STD. DWG. 05-017 FOR DETAILS OF LOCK
- 90 O.D GALVANISED PIPE TO BE CONCRETE FILLED
- 25MPA CONCRETE FOOTING.

INSTALLATION

REFER TO PLANS AND SPECIFICATION RE LOCATION OF ALL SERVICES AND CONFIRM ONSITE WITH RELEVANT AUTHORITIES AND DBYD PRIOR TO ANY EXCAVATIONS WORKS.
PIPES: TO BE MEDIUM GAUGE HEAVY GALVANISED FINISHED WITH TWO COATS OF TWO PACK 125 MICRON MINIMUM TOTAL THICKNESS COLOUR TO MATCH COLORBOND 'CAULFIELD GREEN'
WELDS: ALL WELDS AND BARE METAL TO BE THOROUGHLY CLEANED AND PAINTED WITH COLD GALVANISING PRIMER PRIOR TO FINISH COAT
REFER TO MATERIAL & FINISHES SPECIFICATION FOR STAIN COLOUR

AUSTRALIAN STANDARDS (SUMMARY ONLY)

CONCRETE - 25MPA
SEALING TREATMENT - IN ACCORDANCE WITH AS 1607
WELDS TO AS1554

TYPICAL DETAIL 07 - POOL FENCE (VARIOUS)

REFER ALSO SPECIFICATIONS FOR FURTHER DETAILS

SCALE - REFER NOTED DIMENSIONS

REFER TO LANDSCAPE PLANS RE LOCATION AND SETOUT. TYPICALLY ALL FENCES ARE TO BE INSTALLED WITH PUBLIC LOT / LOT REFERENCED AS SUBJECT SITE IN ALL / ANY ASSOCIATED APPROVALS FACE OF FENCE TO BE ALIGNED WITH LOT BOUNDARY UNLESS OFFSET IS PROPOSED - REFER PLANS FOR ALIGNMENT AND SETOUT.

FOR THE PURPOSES OF THIS PROJECT -INSERT PROJECT NAME- THE APPROVED PRODUCT AND ASSOCIATED SPECIFICATIONS ARE NOTED BELOW. AN APPROVED EQUIVALENT CAN BE USED HOWEVER MUST BE IN GENERAL ACCORDANCE WITH THE SPECIFICATIONS AS DETAILED BELOW AND IN STRICT ADHERENCE TO RELEVANT AUSTRALIAN STANDARDS AND LOCAL GOVERNMENT BUILDING REGULATIONS AND MUST BE APPROVED BY PROJECT MANAGER AND LANDSCAPE ARCHITECT.

GENERAL SPECIFICATIONS

- STANDARD PANEL HEIGHT: 1200MM
- STANDARD PANEL LENGTH: 2400MM (NOMINAL)
- FENCE POSTS (TYPE 01): 50X50X16MM X 1800MM LONG STEEL RHS (AVG 500MM IN-GROUND AND 1300MM ABOVE TOP RAIL WHEN GROUND MOUNTED - 1300MM POSTS WHEN FLANGE MOUNTED). MATERIAL: PRE-GALVANISED STEEL, HOLLOW RHS TO AS1450:1983 AND AS1397:2001 WELD TYPE: SILICON BRONZE
- FENCE POSTS (TYPE 02): 100X100X1800MM HWD D.A.R. TIMBER FINISH: TWO COATS EXTERIOR WEATHER SHIELD OR APPROVED EQUIVALENT COLOUR: WAYWARD GREY -OR- TIMBER FINISH: TWO COATS CLEAR UV RATED OIL (NIL VARNISH TO BE USED)
- VERTICAL PICKETS Ø19X12MM ROUND PICKET PASSING INTO 40X40X16MM HORIZONTAL RAILS AT 106 CENTERS.
- FLAT (RHS) TOP & BOTTOM RAIL WITH THE PICKET INSERTED INTO THE TOP RAIL AND FINISHING FLUSH WITH THE UNDERSIDE OF THE BOTTOM RAIL.

PRODUCT FINISH: POLYESTER POWDER COAT TO AS 4506:2005 METAL FINISHING - THERMOSET POWDER COATINGS COLOUR: SATIN BLACK
APPROVED PRODUCT: BLUE DOGS POOL PLAY

INSTALLATION

- REFER TO PLANS AND SPECIFICATION RELOCATION OF IN-GROUND INSTALLATION VERSUS FLANGE-MOUNTED ON GRADE INSTALLATION
- IN-GROUND INSTALLATION: 300MM DEPTH POST WITHIN CONCRETE FOOTING 25MPA 100MM MINIMUM COVER TO ALL FACES
- COARSE GRAVEL / BLUESTONE TO 100MM DEPTH, ASSET IS DRAINAGE AND SETTING OF FENCE POSTS (TIMBER POST ONLY)
- FLANGE GROUND MOUNTING: REFER TO MANUFACTURERS SPECIFICATIONS, GENERALLY GALVANIZED CHEMSET CS1030 M10 X 130MM

AUSTRALIAN STANDARDS (SUMMARY ONLY)

AUSTRALIAN STANDARD AS1926.1
POOL FENCE - HEIGHT: POOL FENCE SHALL BE NOT LESS THAN 1.2M HIGH
POOL FENCE - NON CLIMBABLE ZONE (NCZZ) CLIMBABLE ZONE (NCZZ) OF 900MM ON THE OUTSIDE OF THE POOL FENCE ALL THE WAY AROUND
POOL FENCE - VERTICAL GAPS: GAPS BETWEEN VERTICAL MEMBERS OF THE FENCE SHALL NOT BE GREATER THAN 100MM. VERTICAL GAPS IN THE FENCE MUST NOT BE MORE THAN 100MM.
POOL FENCE - GAP AT BOTTOM: GAP AT THE BOTTOM OF THE FENCE MUST BE A MAXIMUM OF 100MM.
POOL FENCE - HORIZONTAL CLIMBABLE MEMBERS: HORIZONTAL MEMBERS SHALL NOT BE WITHIN THE 900MM NON CLIMBABLE ZONE (NCZZ) (ON THE OUTSIDE OF THE POOL FENCE).

PROJECT TITLE
CALLI | SUBDIVISION: STAGE 03
OPERATIONAL WORKS: LANDSCAPE
DRAWING TITLE
DETAIL DRAWINGS 02

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APP
A	FOR APPROVAL	18.12.24	MB	MB	MB	JB

ISSUE:	FOR APPROVAL	CLIENT:	HB LAND PTY LTD
BASE PROVIDED BY:	MORTONS URBAN SOLUTIONS	MANAGER:	JON BROOKSBY

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ZONE LANDSCAPE ARCHITECTURE
GOLD COAST
1638 Tweed Street, Burleigh Heads QLD 4220
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GLADSTONE
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PO Box 5332, Gladstone QLD 4680
zonelandscap.com.au | 07 55622303

JOB / DRAWING NO:
L23108 - 301

SHEET NO.
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MMC.

Streetscape

Broad maintenance management zone: B55 STREETScape AREAS

The estate road/reserves contain the necessary civil design of the estate including roads, services and streetlighting. The streetscape component consists of the grassed verges, batter plantings, and street trees.

Maintenance Zones	Activity Descriptions	Activity Codes
STREETSCAPE	Clearing Operations	
	Graffiti Removal	CDR
	Litter Collection	CLC
	Horticultural Environment	
	Planting of Shrubs and Trees	HAT
	Care of Trees and Shrubs	HCT
	Care of Grass and Turf	HGT
	Grass Mowing	HMO
	Garden Maintenance	HGM
	Weed Treatment	HWS
	Building Environment	
	Fence and Bollard Maintenance	BFH

Environmental Park

Broad maintenance management zone: E1 WILDLIFE CORRIDOR, E2 ECOLOGICALLY SIGNIFICANT AREA, E3 RETAINED VEGETATION COMMUNITY AREA

The environmental park contains a degraded gully line with sporadic residual native vegetation and portions of an ex-heap pine plantation and is within an area to be set aside for environmental purposes in accordance with the approved development application and previous ecological assessment. Rehabilitation and restoration works are proposed to restore native flora dominance to the approved parkland area in a similar manner to the previously established adjacent parks and in accordance with the approved GSMP. No structural embellishments are proposed with the exception of vehicle exclusion bollards.

Maintenance Zones	Activity Descriptions	Activity Codes
ENVIRONMENTAL	Clearing Operations	
	Litter Collection	CLC
	Horticultural Environment	
	Planting of Shrubs and Trees	HAT
	Care of Trees and Shrubs	HCT
	Native Bushland Maintenance	HNB
	Weed Treatment	HWS
	Building Environment	
	Fence and Bollard Maintenance	BFH

Streetscape Maintenance Costs

STREETSCAPE & PARK APPROXIMATE MAINTENANCE/MONITORING COSTING AREAS & ROTATIONS PER GCCC, 2007											
Activity Descriptions	Activity Codes	Qty	Unit	Area Description	Hours	No of Staff	PHr*	Rotations	Rate	\$per 52 Weeks	
Cleaning Operations											
Graffiti Removal	CDR	0	m2	Wall Face	8	1	\$34.88	12	\$279.04	\$3,348.48	
Litter Collection	CLC	2726	m2	Turf	4	1	\$34.88	26	\$139.52	\$3,627.52	
Horticultural Environment											
Planting of Shrubs/Trees	HAT	71	Ea	Street Trees & Feature Trees	2	2	\$34.88	12	\$139.52	\$1,674.24	
Care of Trees/Shrubs	HCT	71	Ea	Street Trees & Feature Trees	8	2	\$34.88	12	\$558.08	\$6,696.96	
Care of Verge Grass/Turf	HGT	2726	m2	Turf Areas	8	1	\$34.88	18	\$272.60	\$4,906.80	
Mowing of Verge Grass/Turf	HMO	2726	m2	Turf Areas							
Building Environment											
Fence and Bollard Maintenance	BFH	121	Ea	Bollards	5	2	\$34.88	2	\$348.80	\$697.60	
Totals										\$20,951.60	

*Landscape Gardner \$34.88/hr per QAL1

Prices are estimated figures which allows for inspection of the relevant activity area, review of the associated activity specification sheets, undertaking routine maintenance (as specified) and advising project manager of any reactive maintenance required. Figures sourced from QAL1 Costing Guide 7th Edition and/or market rate. If replacement or reactive maintenance is required, it shall occur at the below rates or by tendered price.

PROJECT TITLE
CALLI | SUBDIVISION: STAGE 03
OPERATIONAL WORKS: LANDSCAPE
DRAWING TITLE
MMC

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