

SHEET No. SHEET NAME

000 INFORMATION

| | |
|------|---------------------------------|
| L000 | TITLE SHEET |
| L001 | OVERALL SITE PLAN 1:500 |
| L002 | LEGEND |
| L003 | MATERIALS AND FINISHES SCHEDULE |
| L004 | PLANT SCHEDULE |
| L005 | PLANT IMAGES |

100 DEMOLITION AND SITE PROTECTION PLAN

| | |
|------|--------------------------------|
| L100 | TREE PROTECTION & REMOVAL PLAN |
|------|--------------------------------|

200 SURFACE FINISHES & GRADING PLAN

| | |
|------|---|
| L200 | GENERAL ARRANGEMENT PLAN 1:250 |
| L201 | 3SURFACE FINISHES & GRADING PLAN 1 OF 2 |
| L202 | SURFACE FINISHES & GRADING PLAN 2 OF 3 |
| L203 | SURFACE FINISHES & GRADING PLAN 3 OF 3 |
| L205 | SURFACE FINISHES PLAN; OFF SITE WORKS |

500 PLANTING PLAN

| | |
|------|----------------------|
| L501 | PLANTING PLAN 1 OF 4 |
| L502 | PLANTING PLAN 2 OF 4 |
| L502 | PLANTING PLAN 3 OF 4 |
| L503 | PLANTING PLAN 3 OF 4 |

600 SECTIONS + ELEVATIONS

| | |
|------|-------------------------|
| L600 | SECTIONS AND ELEVATIONS |
| L601 | SECTIONS AND ELEVATIONS |
| L602 | SECTIONS AND ELEVATIONS |
| L603 | SECTIONS AND ELEVATIONS |
| L604 | SECTIONS AND ELEVATIONS |

700 DETAILS

| | |
|------|-----------------------------------|
| L700 | LANDSCAPE DETAILS - PAVING |
| L701 | LANDSCAPE DETAILS - WALLS & EDGES |
| L702 | LANDSCAPE DETAILS - SOFTSCAPE |



LOCATION PLAN

NOTES

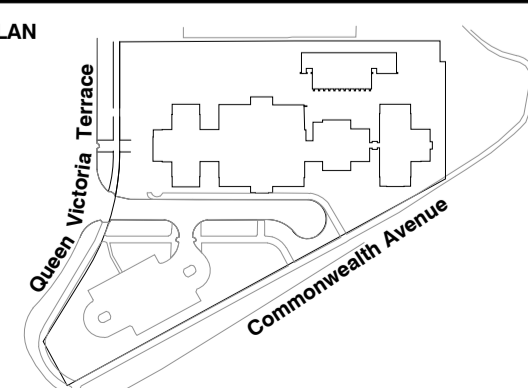
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KEY PLAN



| ISSUE | DATE | AMENDMENT | DRN | APRVD |
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O C U L U S

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PROJECT

WEST BLOCK OFFICE REFURBISHMENT
21 QUEEN VICTORIA TERRACE, PARKES ACT 2600

CLIENT

OCEANA
LVL 5, 1 YORK STREET, SYDNEY, NSW 2000

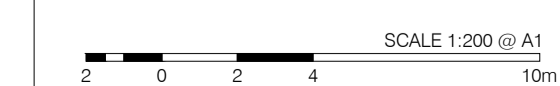
ARCHITECT

FENDER KATSIDIS
2 RIVERSIDE QUAY, SOUTHBANK, VIC 3006

STATUS

WORKS APPROVAL

DRAWING SCALE



NORTH POINT



DRAWING

COVER SHEET

PROJECT No

S18-013

DRAWING No

L000

SHEET SIZE

A1

ISSUE

01



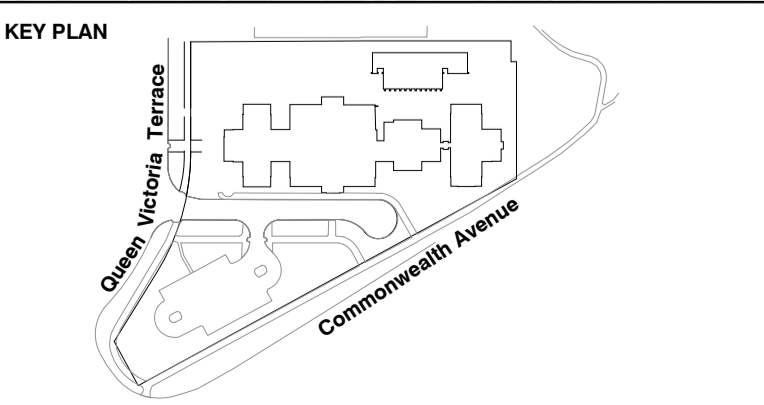
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LEGEND
 REFER TO DRAWING L002 FOR LEGEND



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ARCHITECT
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STATUS
 WORKS APPROVAL

DRAWING SCALE
 SCALE 1:500 @ A1

NORTH POINT

DRAWING
 OVERALL SITE PLAN
 PLAN

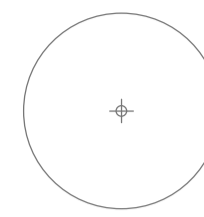
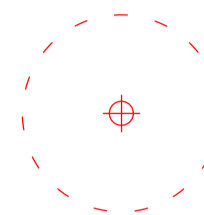
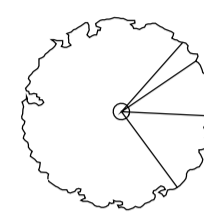

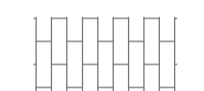
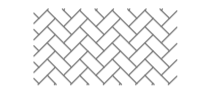
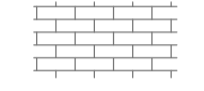
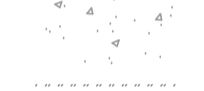












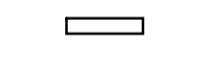
PROJECT No
 S18-013

DRAWING No
 L001

SHEET SIZE
 A1



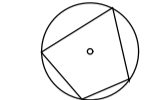


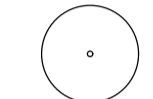


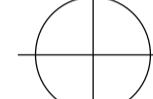

ISSUE
 01

LEGEND
REFER TO DRAWING L200 - L202 FOR SURFACE FINISHES
& GENERAL ARRANGEMENT

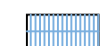









-  EXISTING TREE TO BE RETAINED AND PROTECTED
-  EXISTING TREE TO BE REMOVED DUE TO IMPACT OF PROPOSED DEVELOPMENT
-  PROPOSED TREE REFER TO PLANTING PLANS
-  BOUNDARY LINE
-  BLUESTONE PAVING
-  BRICK PAVING
-  UNIT PAVING 01
-  CONCRETE PAVING
-  ASPHALT PAVING
-  HARDWOOD DECK / EQUAL ACCESS RAMP
-  FLUSH CONCRETE EDGE
-  GALV STEEL EDGE
-  MASS PLANTING
-  TURF
-  EXISTING TURF TO BE RETAINED
-  PLANTING IN POTS
-  BOLLARD LIGHT
-  TREE UPLIGHT LIGHT
-  WALL LIGHT
-  450mm HIGH VEHICLE BOLLARD
-  EXTERNAL SIGNAGE TO OTHERS DOCUMENTATION

PLANTING LEGEND
REFER TO DRAWINGS L501 - L502 FOR PLANTING PLANS


LEGEND - TREES

-  EXISTING TREES TO BE RETAINED
-  CS *Cupressus sempervirens* 'Stricta'
-  CA *Cupressus arizonica*
-  CEA *Cedrus atlantica*
-  CD *Calocedrus decurrens*
-  EM *Eucalyptus mannifera*
-  EMS *Eucalyptus mannifera* 'Little Spotty'
-  PP *Populus pyramidalis*
-  QP *Quercus palustris*
-  UA *Ulmus americana*


Hedge

- | Symbol | Botanic Name |
|---|---|
|  | AzSh <i>Azalea</i> 'Shiraz' |
|  | Buse <i>Buxus sempervirens</i> |
|  | BuTB <i>Buxus sempervirens</i> (Clipped Topiary Ball) |
|  | Chte <i>Choisya ternata</i> |
|  | Copu <i>Coleonema pulchrum</i> |
|  | Cule <i>Cupressus leylandii</i> |
|  | Cuma <i>Cupressus macrocarpa</i> |
|  | PiGo <i>Pittosporum tenuifolium</i> 'Golf Ball' |
|  | PiGr <i>Pittosporum tenuifolium</i> 'Green Pillar' |
|  | RhSn <i>Rhaphiolepis indica</i> 'snow maiden' |













Grasses


- | Symbol | Botanic Name |
|---|--------------------------------|
|  | Pola <i>Poa labillardierei</i> |









Shrubs and ground covers

- | Symbol | Botanic Name |
|---|--|
|  | AjCa <i>Ajuga reptans</i> 'Catlins Giant' |
|  | Asel <i>Aspidistra elatior</i> |
|  | AsSi <i>Astelia chathamica</i> 'Silver Spears' |
|  | Blca <i>Blechnum cartilagineum</i> |
|  | Chap <i>Chrysocephalum apiculatum</i> |
|  | Coal <i>Correa alba</i> |
|  | Cyre <i>Cycas revoluta</i> |
|  | DiCa <i>Dianella caerulea</i> 'Cassa Blue' |
|  | EcVe <i>Echinops ritro</i> 'Veitch's Blue' |
|  | Faja <i>Fatsia japonica</i> |
|  | GrLa <i>Grevillea lanigera</i> 'Mt. Tamboritha' |
|  | LaAn <i>Lavandula angustifolia</i> 'Munstead' |
|  | LeFo <i>Leptospermum laevigatum</i> 'Fore Shore' |
|  | Lipa <i>Libertia paniculata</i> |
|  | LiEv <i>Liriope muscari</i> 'Evergreen Giant' |
|  | LiJr <i>Liriope muscari</i> 'Just Right' |
|  | LoTa <i>Lomandra longifolia</i> 'tanika' |
|  | Patr <i>Parthenocissus tricuspidata</i> |
|  | Roof <i>Rosmarinus officinalis</i> |
|  | Sach <i>Salvia chamaedryoides</i> |
|  | ScMa <i>Scaevola aemula</i> 'Mauve Clusters' |
|  | Tefr <i>Teucrium fruticans</i> |
|  | Tras <i>Trachelospermum asiaticum</i> |
|  | Vihe <i>Viola hederacea</i> |
|  | Wast <i>Wahlenbergia stricta</i> |
|  | WeGr <i>Westringia fruticosa</i> 'Grey box' |

Potted Atrium Plants & External Potted Plants

- | Symbol | Botanic Name |
|---|--|
|  | ArB <i>Ajuga reptans</i> 'Burgundy Glow' |
|  | Aa <i>Anthurium andraeanum</i> |
|  | An <i>Asplenium nidus</i> |
|  | Bc <i>Blechnum cartilagineum</i> |
|  | Ce <i>Chamaedorea elegans</i> |
|  | Ds <i>Dichondra</i> 'Silver Falls' |
|  | FeV <i>Ficus elastica</i> 'Variegata' |
|  | Md <i>Monstera deliciosa</i> |
|  | Ptb <i>Phormium tenax</i> 'Platts Black' |
|  | Sm <i>Scindapsus marble</i> |
|  | Sk <i>Spathiphyllum kochii</i> |
|  | Sr <i>Strelitzia reginae</i> |

 **GRM - Green Roof Planting mix**

- | Symbol | Botanic Name |
|---|---|
|  | GRM <i>Hardenbergia</i> 'Bonnie Bilby' |
|  | GRM <i>Eremophila glabra</i> prostrate 'Burgundy' |
|  | GRM <i>Chrysocephalum apiculatum</i> |
|  | GRM <i>Rosmarinus officinalis</i> 'Prostratus' |
|  | GRM <i>Grevillea juniperina</i> prostrate red |
|  | GRM <i>Thymus serpyllum</i> |
|  | GRM <i>Myoporum parvifolium</i> broad leaf |
|  | GRM <i>Rhodanthe anthemoides</i> |

NOTES

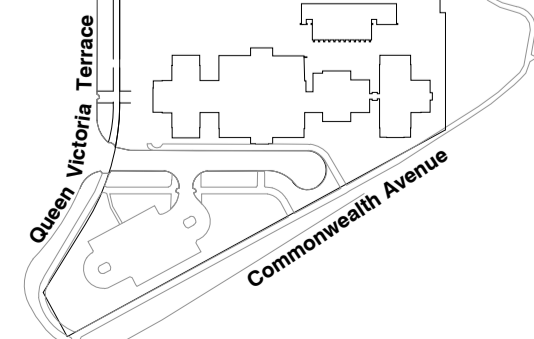
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PROJECT

WEST BLOCK OFFICE REFURBISHMENT
21 QUEEN VICTORIA TERRACE, PARKES ACT 2600

CLIENT

OCEANA
LVL 5, 1 YORK STREET, SYDNEY, NSW 2000

ARCHITECT

FENDER KATSALIDIS
2 RIVERSIDE QUAY, SOUTH BANK, VIC 3006

STATUS

WORKS APPROVAL

DRAWING SCALE

NORTH POINT

DRAWING LEGEND

PROJECT No

S18-013

DRAWING No

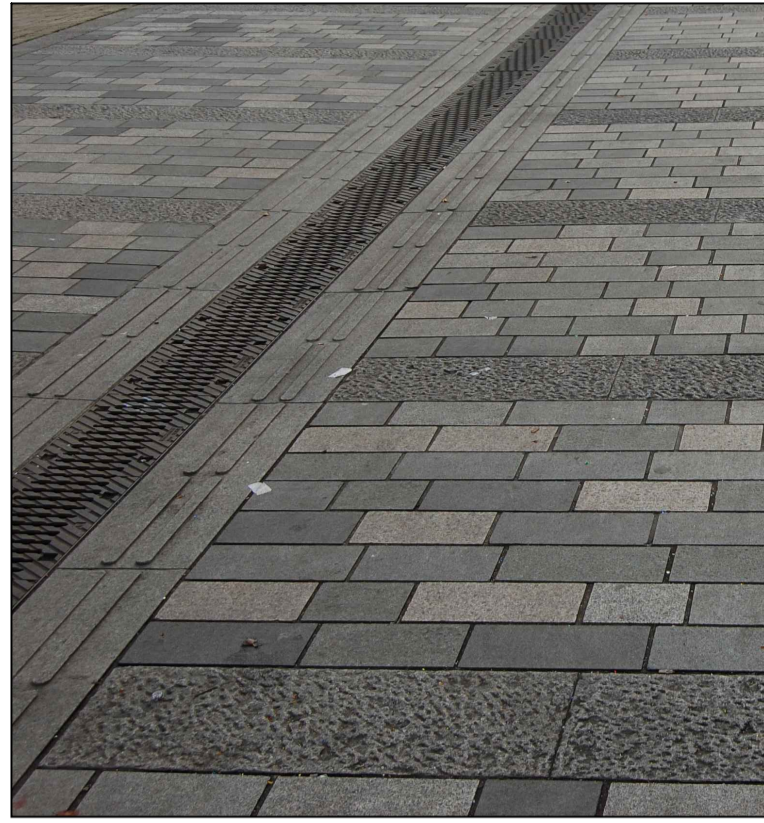
L002

SHEET SIZE

A1

ISSUE

01



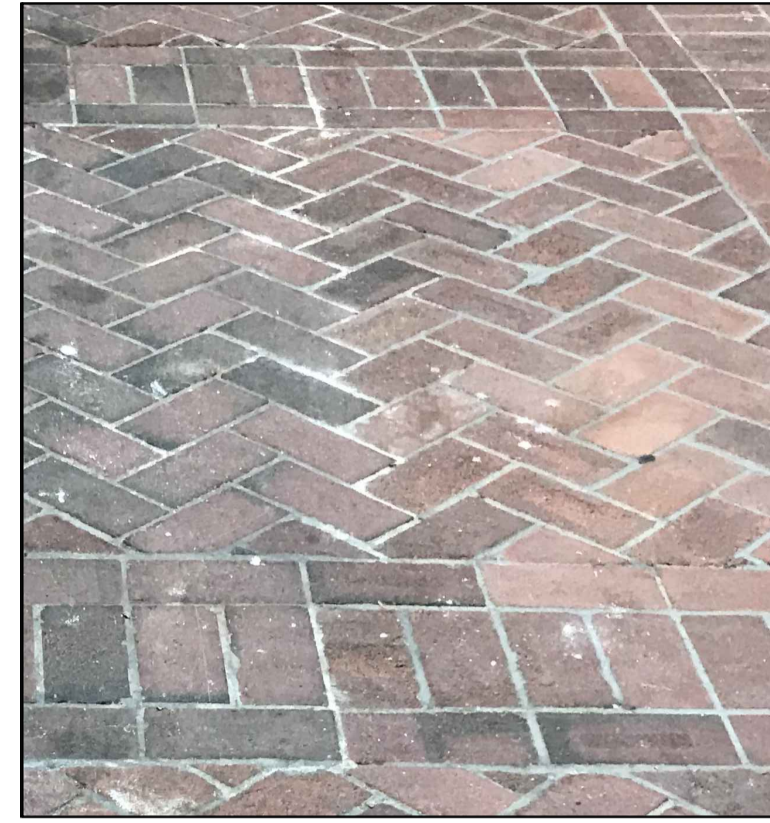
WESTERN PATHWAYS
MID-GREY COLOUR GRANITE PAVERS 70%
EXFOLIATED
30% BUSH HAMMERED



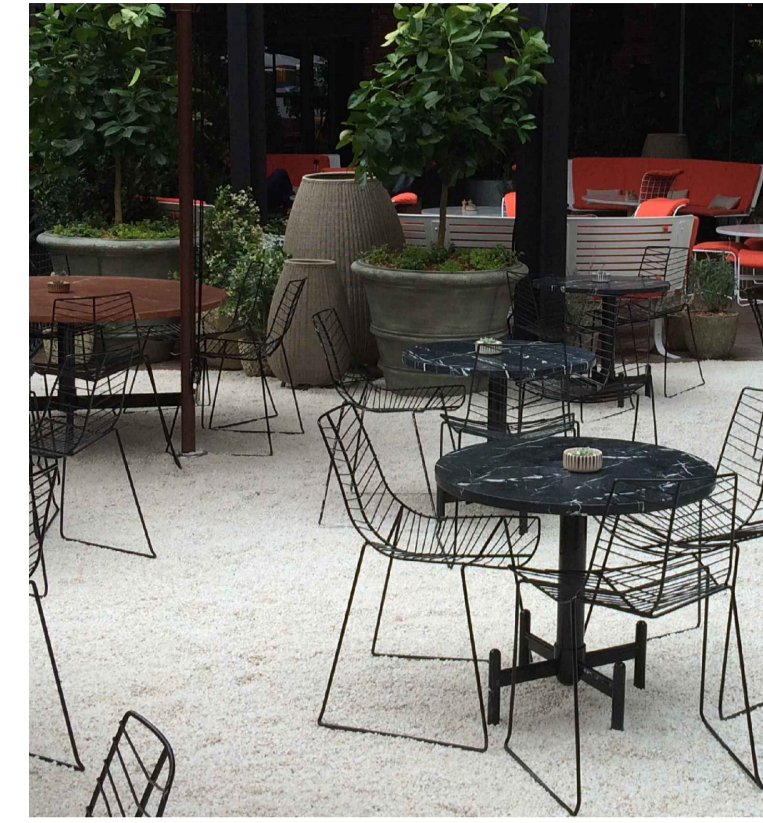
OUTDOOR SEATING:
SPOTTED GUM DECKING



EASTERN GARDENS:
HERRINGBONE TERRACOTTA TILE



EASTERN GARDEN:
RECYCLED BRICK IN HERRINGBONE
PATTERN



GARDENS:
OUTDOOR SEATING



ALFRESCO DINING:



ARBOR STRUCTURES W/ PLANTING:
CLIMBING PLANTS



GARDEN EDGE:
RAISED AND FLUSH BRICK EDGE



EQUAL ACCESS RAMP:
WEATHERING STEEL



ATRIUM:
LARGE FEATURE PLANT POTS

NOTES

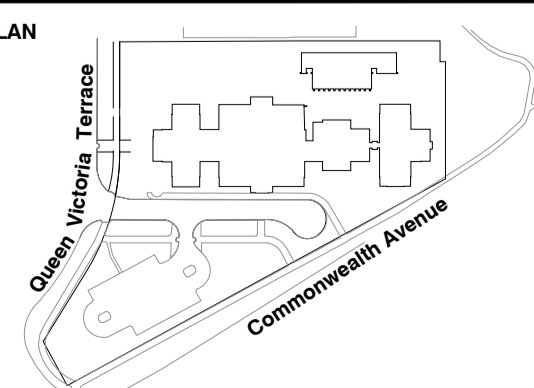
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FENDER KATSLIDIS
2 RIVERSIDE QUAY, SOUTHBANK, VIC 3006

STATUS

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DRAWING SCALE

NORTH POINT

DRAWING

MATERIALS AND FINISHES SCHEDULE

PROJECT No

S18-013

DRAWING No

L003

SHEET SIZE

A1

ISSUE

01

Indicative Plant Schedule

Table with columns: Trees, Symbol, Botanic Name, Common Name, Size, Preferred Position, Mature Ht and Sp, Density / SQ.m, Quantity.

Table with columns: Hedge, Symbol, Botanic Name, Common Name, Size, Preferred Position, Mature Ht and Sp, Spacing / Ctrs, Quantity.

Grasses

Table with columns: Symbol, Botanic Name, Common Name, Size, Preferred Position, Mature Ht and Sp, Spacing / Ctrs, Quantity.

Shrubs and ground covers AREA

Table with columns: Symbol, Botanic Name, Common Name, Size, Preferred Position, Mature Ht and Sp, Spacing / Ctrs, Quantity.

Potted Atrium Plants & External Potted Plants

Table with columns: Symbol, Botanic Name, Common Name, Size, Preferred Position, Mature Ht and Sp, Spacing / Ctrs, Quantity.

GRM - Green Roof Planting mix

Table with columns: Symbol, Botanic Name, Common Name, Size, Preferred Position, Mature Ht and Sp, Percentage, Quantity.

TREES



BOTANIC NAME: Populus alba 'Pyramidalis' COMMON NAME: Silver Poplar



BOTANIC NAME: Quercus palustris COMMON NAME: Pin Oak



BOTANIC NAME: Cupressus sempervirens 'Stricta' COMMON NAME: Italian Pencil Pine



BOTANIC NAME: Cupressus arizonica COMMON NAME: Arizona Cypress



BOTANIC NAME: Eucalyptus mannifera COMMON NAME: Brittle Gum

HEDGES



BOTANIC NAME: Buxus sempervirens (Clipped Topiary Ball) COMMON NAME: English Box Topiary



BOTANIC NAME: Buxus sempervirens (Clipped Topiary Ball) COMMON NAME: English Box



BOTANIC NAME: Choisya ternata COMMON NAME: Mexican orange blossom



BOTANIC NAME: Cupressus leylandii COMMON NAME: Leyland cypress



BOTANIC NAME: Pittosporum tenuifolium 'Green Pillar' COMMON NAME: Green Pillar Pittosporum

NOTES

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KEY PLAN

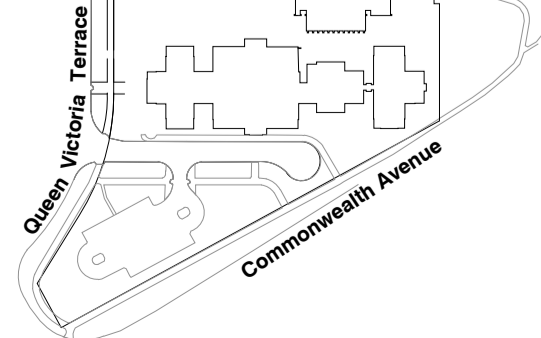


Table with columns: ISSUE, DATE, AMENDMENT, DRN, APRVD.

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PROJECT WEST BLOCK OFFICE REFURBISHMENT 21 QUEEN VICTORIA TERRACE, PARKES ACT 2600 CLIENT OCEANA LVL 5, 1 YORK STREET, SYDNEY, NSW 2000 ARCHITECT FENDER KATSAIDIS 2 RIVERSIDE QUAY, SOUTH BANK, VIC 3006

WORKS APPROVAL

Table with columns: DRAWING SCALE, NORTH POINT.

PLANT SCHEDULE

Table with columns: PROJECT No, SHEET SIZE, DRAWING No, ISSUE.



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SHRUBS AND GROUNDCOVERS



BOTANIC NAME: *Libertia paniculata*
COMMON NAME: Grass flag



BOTANIC NAME: *Correa alba*
COMMON NAME: Native Fuschia



BOTANIC NAME: *Teucrium fruticans*
COMMON NAME: Shrubby Germander



BOTANIC NAME: *Poa labillardierei*
COMMON NAME: Common Tussock-grass



BOTANIC NAME: *Salvia chamaedryoides*
COMMON NAME: Germander sage



BOTANIC NAME: *Lavandula angustifolia 'Munstead'*
COMMON NAME: English Lavender



BOTANIC NAME: *Liriope muscari 'Evergreen Giant'*
COMMON NAME: Giant Liriope



BOTANIC NAME: *Ajuga reptans 'Catlins Giant'*
COMMON NAME: Bugle



BOTANIC NAME: *Westringia fruticosa 'Grey box'*
COMMON NAME: Grey box westringia



BOTANIC NAME: *Rosmarinus officinalis*
COMMON NAME: Rosemary



BOTANIC NAME: *Grevillea lanigera 'Mt. Tamboritha'*
COMMON NAME: Grevillea Mt Tamboritha



BOTANIC NAME: *Trachelospermum asiaticum*
COMMON NAME: Asiatic Jasmine

POTTED AND ATRIUM PLANTS



BOTANIC NAME: *Blechnum cartilagineum*
COMMON NAME: Gristle Fern



BOTANIC NAME: *Chamaedorea elegans*
COMMON NAME: Parlor Palm



BOTANIC NAME: *Ficus lyrata*
COMMON NAME: Fiddle Leaf Fig



BOTANIC NAME: *Monstera deliciosa*
COMMON NAME: Fruit Salad Plant



BOTANIC NAME: *Strelitzia reginae*
COMMON NAME: Bird of Paradise

NOTES

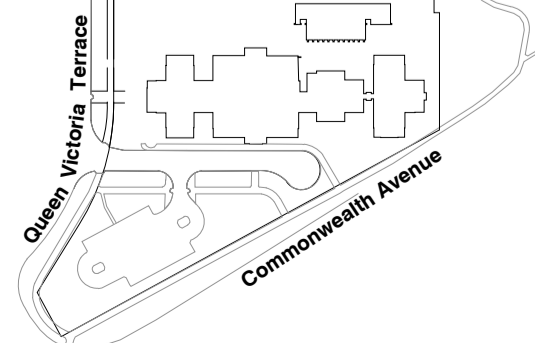
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KEY PLAN



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PROJECT
WEST BLOCK OFFICE REFURBISHMENT
21 QUEEN VICTORIA TERRACE, PARKES ACT 2600

CLIENT
OCEANA
LVL 5, 1 YORK STREET, SYDNEY, NSW 2000

ARCHITECT
FENDER KATSALIDIS
2 RIVERSIDE QUAY, SOUTH BANK, VIC 3006

STATUS
WORKS APPROVAL

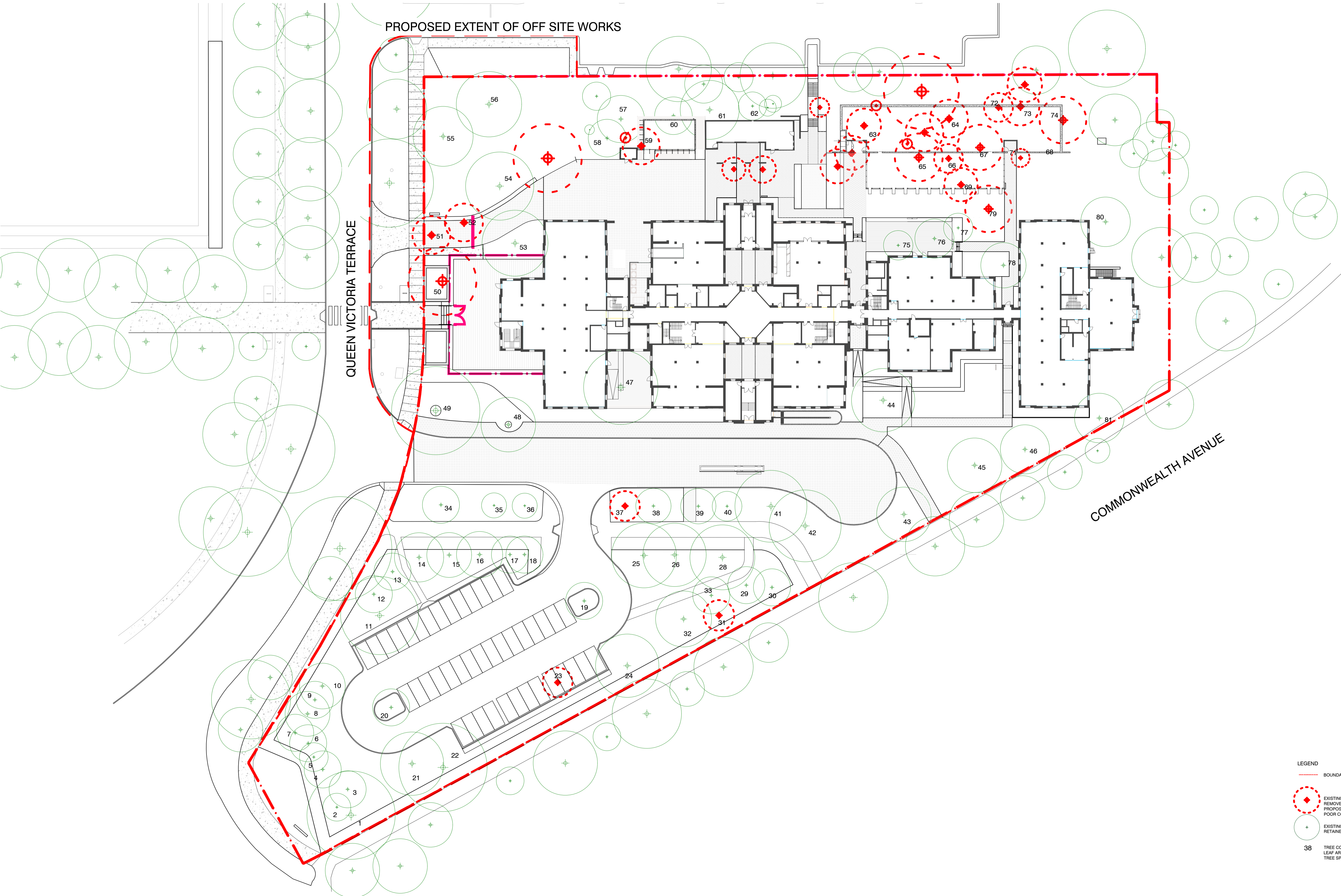
DRAWING SCALE

NORTH POINT

DRAWING
PLANT IMAGES

| | |
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| PROJECT N° S18-013 | SHEET SIZE A1 |
| DRAWING N° L005 | ISSUE 01 |

PROPOSED EXTENT OF OFF SITE WORKS



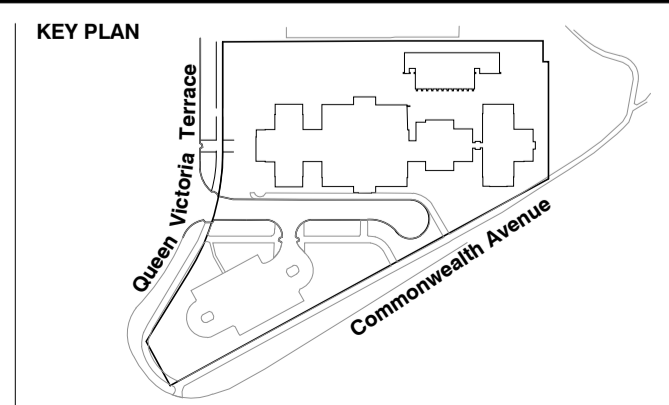
- LEGEND**
- BOUNDARY LINE
 - EXISTING TREE TO BE REMOVED DUE TO IMPACT OF PROPOSED DEVELOPMENT OR POOR CONDITION
 - EXISTING TREE TO BE RETAINED AND PROTECTED
 - 38** TREE CODE. REFER TO THE GOLD LEAF ARBORIST TREE REPORT FOR TREE SPECIES AND FURTHER DETAILS

NOTES
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ARCHITECT
 FENDER KATSALIDIS
 2 RIVERSIDE QUAY, SOUTHBANK, VIC 3006

STATUS
 WORKS APPROVAL

DRAWING SCALE
 NTS

NORTH POINT

DRAWING
 TREE RETENTION & REMOVAL PLAN

PROJECT N°
 S18-013

DRAWING N°
 L100

SHEET SIZE
 A1


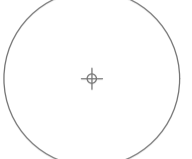
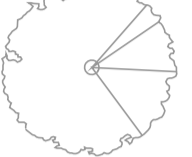





ISSUE
 01

PROPOSED EXTENT OF OFF SITE WORKS

SITE BOUNDARY

**WORKS WITHIN BOUNDARY
REFER L200**

LEGEND

-  EXISTING TREE TO BE REMOVED
-  EXISTING TREE TO BE RETAINED
-  PROPOSED TREE
-  BOUNDARY LINE
-  PROPOSED OFF SITE WORKS BOUNDARY
-  INSITU CONCRETE PAVING
-  TURF TO MATCH EXISTING
-  MASS PLANTING

- PROPOSED NATIVE TREES TO LINE CARPARK
- NEW IRRIGATED MASS PLANTING TO SCREEN CARPARK ENTRANCE
- EXISTING TREE TO BE RETAINED AND PROTECTED
- NEW IRRIGATED TURF TO KERB TO MATCH QUEEN VICTORIA TERRACE
- NEW INSITU CONCRETE FOOTPATH TO MATCH ALONG QUEEN VICTORIA TERRACE
- EXISTING FIRE HYDRANT
- EXISTING TREE TO BE RETAINED AND PROTECTED
- EXISTING LIGHT POLE
- NEW VEHICLE ENTRANCE
- NEW IRRIGATED TURF TO KERB TO MATCH QUEEN VICTORIA TERRACE
- EXISTING LIGHT POLE
- EXISTING WAY FINDING SIGNAGE
- EXISTING PEDESTRIAN CROSSING
- BRICK EDGE TO ENTRANCE, TO MATCH EAST BLOCK
- EXISTING COMMS PIT
- EXISTING LIGHT POLE
- NEW INSITU CONCRETE FOOTPATH TO MATCH ALONG QUEEN VICTORIA TERRACE
- EXISTING ROADWAY

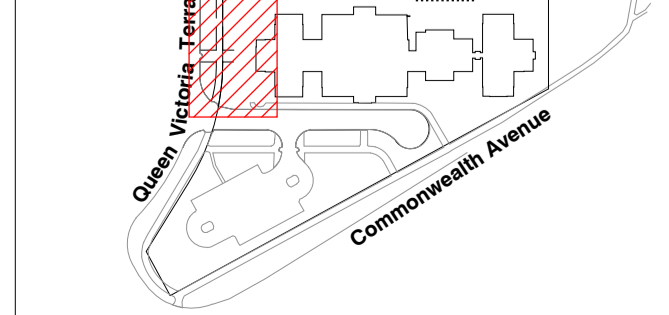
NOTES

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FILE PATH: P:\SYDNEY\18-013 WEST BLOCK GEOCON\07. DESIGN DEVELOPMENT\02. CAD DRAWINGS\01. SHEET SETS\OC_S18-013_200_EXTERNAL WORKS_SURFACES FINISHES.DWG; DATE PLOTTED: 10/09/2021; PLOTTED BY: ROSALIE BROOKER

KEY PLAN



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PROJECT
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CLIENT
 OCEANA
 LVL 5, 1 YORK STREET, SYDNEY, NSW 2000

ARCHITECT
 FENDER KATSALIDIS
 2 RIVERSIDE QUAY, SOUTHBANK, VIC 3006

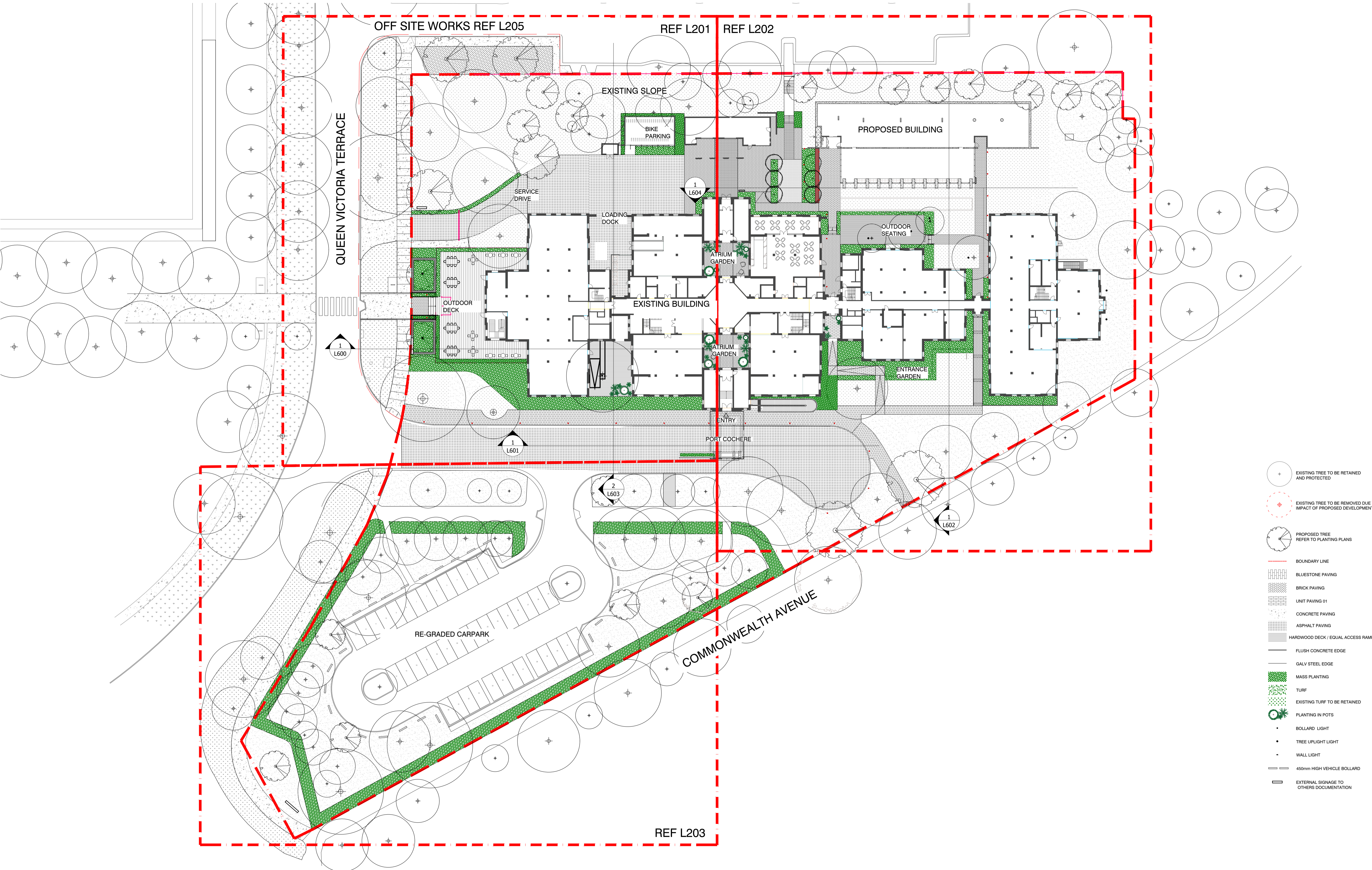
STATUS
 WORKS APPROVAL

DRAWING SCALE: SCALE 1:200 @ A1

NORTH POINT

DRAWING
 SURFACES AND FINISHES PLAN
 OFF SITE WORKS

| | |
|------------------------------|-------------------------|
| PROJECT N° S18-013 | SHEET SIZE A1 |
| DRAWING N° L205 | ISSUE 01 |



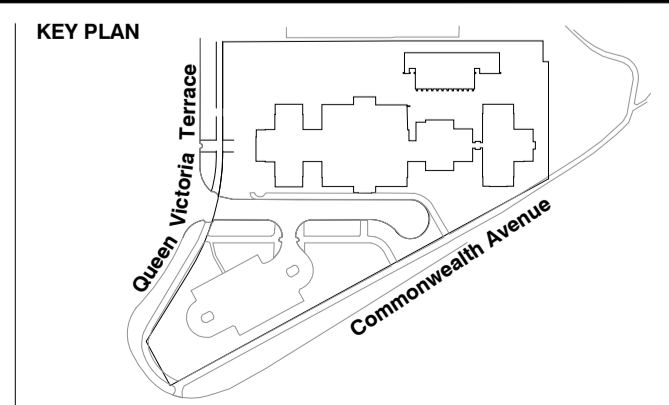
- EXISTING TREE TO BE RETAINED AND PROTECTED
- EXISTING TREE TO BE REMOVED DUE TO IMPACT OF PROPOSED DEVELOPMENT
- PROPOSED TREE REFER TO PLANTING PLANS
- BOUNDARY LINE
- BLUESTONE PAVING
- BRICK PAVING
- UNIT PAVING G1
- CONCRETE PAVING
- ASPHALT PAVING
- HARDWOOD DECK / EQUAL ACCESS RAMP
- FLUSH CONCRETE EDGE
- GALV STEEL EDGE
- MASS PLANTING
- TURF
- EXISTING TURF TO BE RETAINED
- PLANTING IN POTS
- BOLLARD LIGHT
- TREE UPLIGHT LIGHT
- WALL LIGHT
- 450mm HIGH VEHICLE BOLLARD
- EXTERNAL SIGNAGE TO OTHERS DOCUMENTATION

NOTES
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CLIENT
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ARCHITECT
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 2 RIVERSIDE QUAY, SOUTHBANK, VIC 3006

STATUS
 WORKS APPROVAL

DRAWING SCALE
 NTS

NORTH POINT

DRAWING SHEET SET-OUT PLAN

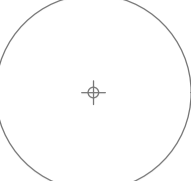
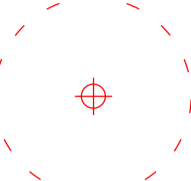
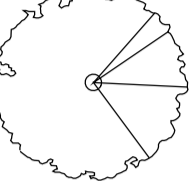



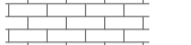














PROJECT No
S18-013

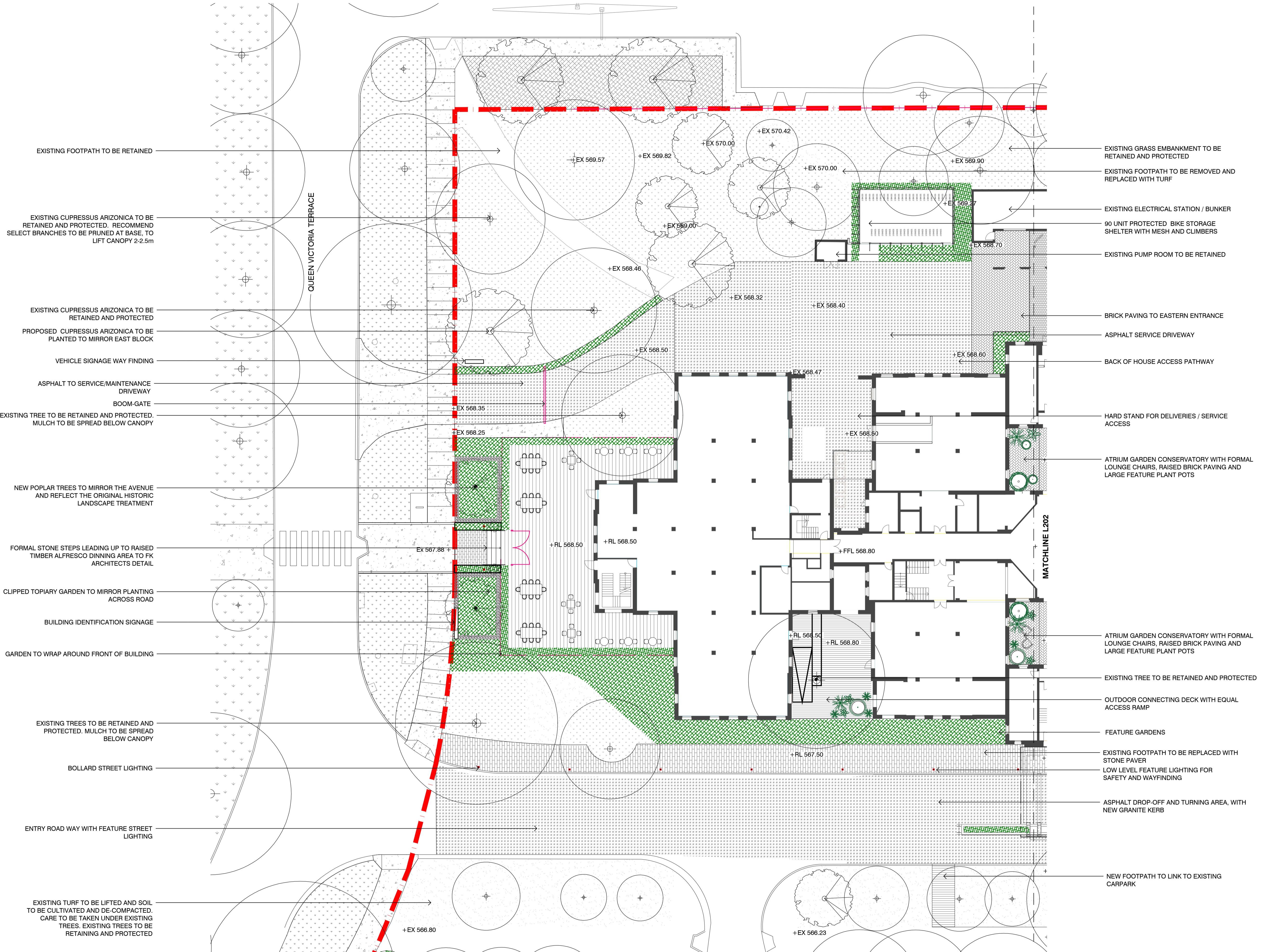
DRAWING No
L200

SHEET SIZE
A1

ISSUE
01

LEGEND - MATERIAL

-  EXISTING TREE TO BE RETAINED AND PROTECTED
-  EXISTING TREE TO BE REMOVED DUE TO IMPACT OF PROPOSED DEVELOPMENT
-  PROPOSED TREE REFER TO PLANTING PLANS
-  BOUNDARY LINE
-  BLUESTONE PAVING
-  BRICK PAVING
-  UNIT PAVING 01
-  CONCRETE PAVING
-  ASPHALT PAVING
-  HARDWOOD DECK / EQUAL ACCESS RAMP
-  FLUSH CONCRETE EDGE
-  GALV STEEL EDGE
-  MASS PLANTING
-  TURF
-  EXISTING TURF TO BE RETAINED
-  PLANTING IN POTS
-  BOLLARD LIGHT
-  TREE UPLIGHT LIGHT
-  WALL LIGHT
-  450mm HIGH VEHICLE BOLLARD
-  EXTERNAL SIGNAGE TO OTHERS DOCUMENTATION



EXISTING FOOTPATH TO BE RETAINED

EXISTING CUPRESSUS ARIZONICA TO BE RETAINED AND PROTECTED. RECOMMEND SELECT BRANCHES TO BE PRUNED AT BASE, TO LIFT CANOPY 2-2.5m

EXISTING CUPRESSUS ARIZONICA TO BE RETAINED AND PROTECTED

PROPOSED CUPRESSUS ARIZONICA TO BE PLANTED TO MIRROR EAST BLOCK

VEHICLE SIGNAGE WAY FINDING

ASPHALT TO SERVICE/MAINTENANCE DRIVEWAY

BOOM-GATE

EXISTING TREE TO BE RETAINED AND PROTECTED. MULCH TO BE SPREAD BELOW CANOPY

NEW POPLAR TREES TO MIRROR THE AVENUE AND REFLECT THE ORIGINAL HISTORIC LANDSCAPE TREATMENT

FORMAL STONE STEPS LEADING UP TO RAISED TIMBER ALFRESCO DINNING AREA TO FK ARCHITECTS DETAIL

CLIPPED TOPIARY GARDEN TO MIRROR PLANTING ACROSS ROAD

BUILDING IDENTIFICATION SIGNAGE

GARDEN TO WRAP AROUND FRONT OF BUILDING

EXISTING TREES TO BE RETAINED AND PROTECTED. MULCH TO BE SPREAD BELOW CANOPY

BOLLARD STREET LIGHTING

ENTRY ROAD WAY WITH FEATURE STREET LIGHTING

EXISTING TURF TO BE LIFTED AND SOIL TO BE CULTIVATED AND DE-COMPACTED. CARE TO BE TAKEN UNDER EXISTING TREES. EXISTING TREES TO BE RETAINING AND PROTECTED

EXISTING GRASS EMBANKMENT TO BE RETAINED AND PROTECTED

EXISTING FOOTPATH TO BE REMOVED AND REPLACED WITH TURF

EXISTING ELECTRICAL STATION / BUNKER

90 UNIT PROTECTED BIKE STORAGE SHELTER WITH MESH AND CLIMBERS

EXISTING PUMP ROOM TO BE RETAINED

BRICK PAVING TO EASTERN ENTRANCE

ASPHALT SERVICE DRIVEWAY

BACK OF HOUSE ACCESS PATHWAY

HARD STAND FOR DELIVERIES / SERVICE ACCESS

ATRIUM GARDEN CONSERVATORY WITH FORMAL LOUNGE CHAIRS, RAISED BRICK PAVING AND LARGE FEATURE PLANT POTS

ATRIUM GARDEN CONSERVATORY WITH FORMAL LOUNGE CHAIRS, RAISED BRICK PAVING AND LARGE FEATURE PLANT POTS

EXISTING TREE TO BE RETAINED AND PROTECTED

OUTDOOR CONNECTING DECK WITH EQUAL ACCESS RAMP

FEATURE GARDENS

EXISTING FOOTPATH TO BE REPLACED WITH STONE PAVER

LOW LEVEL FEATURE LIGHTING FOR SAFETY AND WAYFINDING

ASPHALT DROP-OFF AND TURNING AREA, WITH NEW GRANITE KERB

NEW FOOTPATH TO LINK TO EXISTING CARPARK

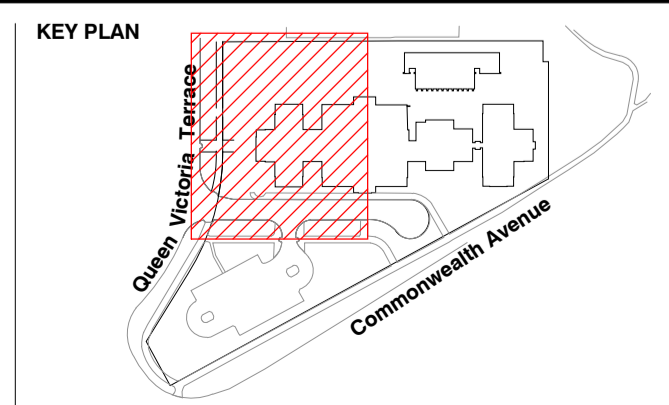
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PROJECT
WEST BLOCK OFFICE REFRUBISHMENT
21 QUEEN VICTORIA TERRACE, PARKES ACT 2600

CLIENT
OCEANA
LVL 5, 1 YORK STREET, SYDNEY, NSW 2000

ARCHITECT
FENDER KATSALIDIS
2 RIVERSIDE QUAY, SOUTH BANK, VIC 3006

STATUS
WORKS APPROVAL

DRAWING SCALE
SCALE 1:200 @ A1

NORTH POINT

DRAWING
SURFACE FINISHES & GRADING PLAN - SHEET 1 OF 3

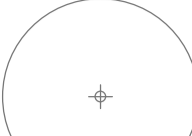
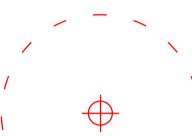
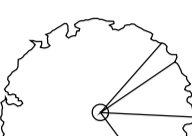















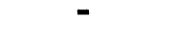

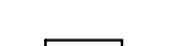
PROJECT No
S18-013

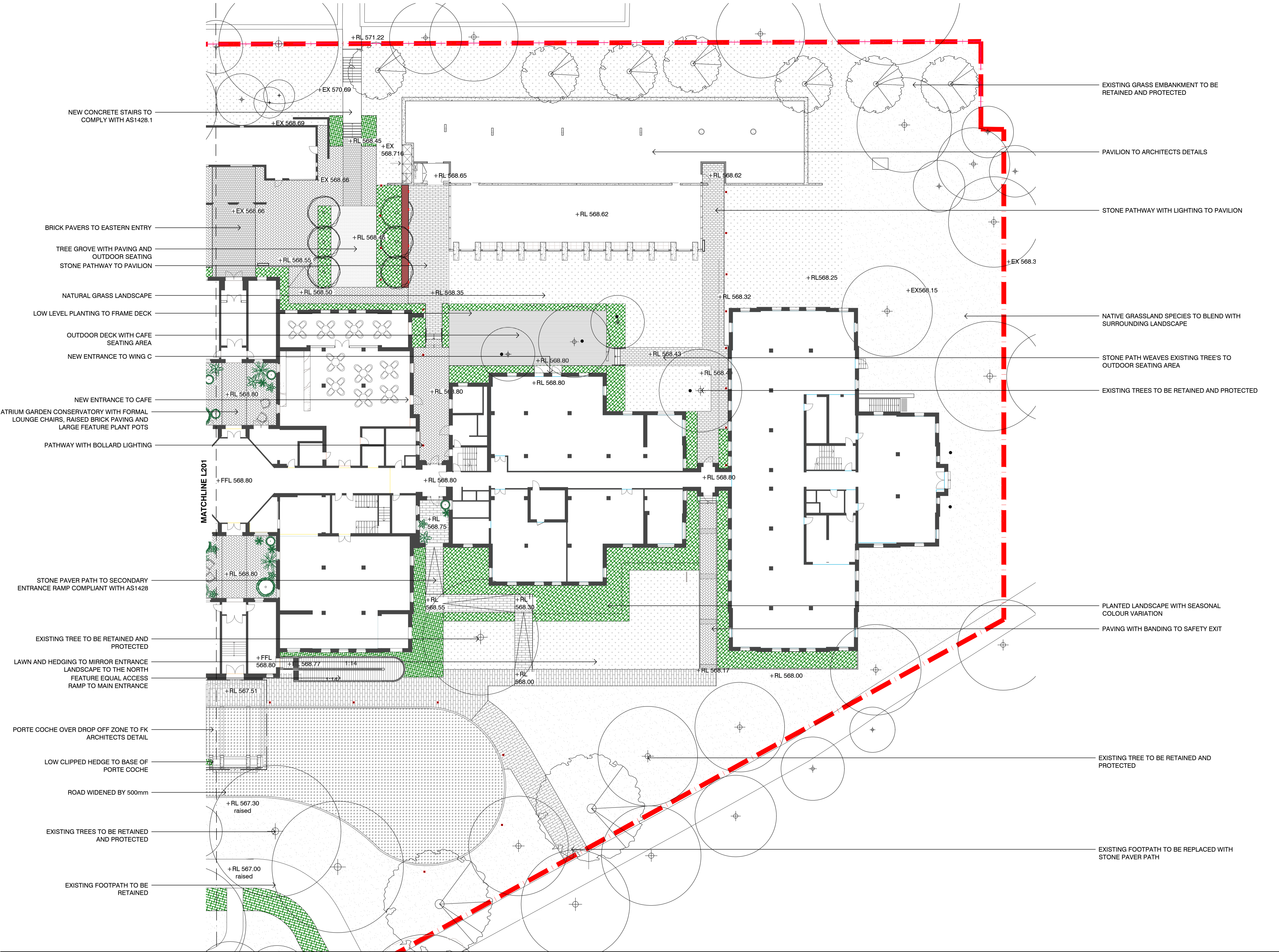
DRAWING No
L201


SHEET SIZE
A1

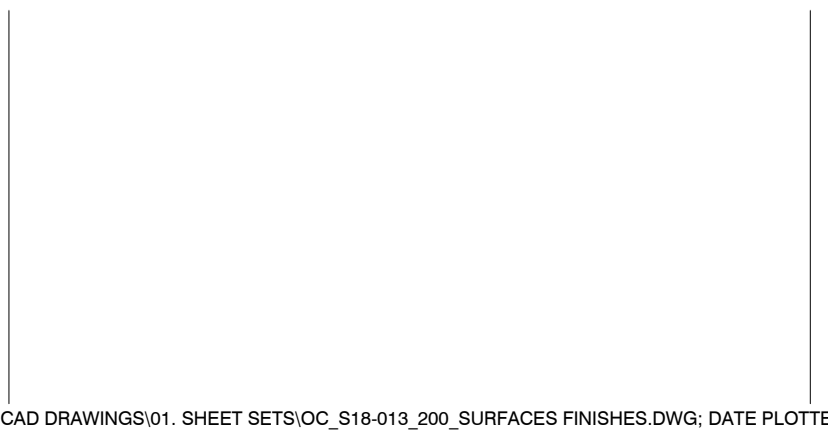
ISSUE
01

LEGEND - MATERIAL

-  EXISTING TREE TO BE RETAINED AND PROTECTED
-  EXISTING TREE TO BE REMOVED DUE TO IMPACT OF PROPOSED DEVELOPMENT
-  PROPOSED TREE REFER TO PLANTING PLANS
-  BOUNDARY LINE
-  BLUESTONE PAVING
-  BRICK PAVING
-  UNIT PAVING 01
-  CONCRETE PAVING
-  ASPHALT PAVING
-  HARDWOOD DECK / EQUAL ACCESS RAMP
-  FLUSH CONCRETE EDGE
-  GALV STEEL EDGE
-  MASS PLANTING
-  TURF
-  EXISTING TURF TO BE RETAINED
-  PLANTING IN POTS
-  BOLLARD LIGHT
-  TREE UPLIGHT LIGHT
-  WALL LIGHT
-  450mm HIGH VEHICLE BOLLARD
-  EXTERNAL SIGNAGE TO OTHERS DOCUMENTATION



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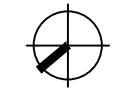
PROJECT
 WEST BLOCK OFFICE REFURBISHMENT
 21 QUEEN VICTORIA TERRACE, PARKES ACT 2600

CLIENT
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 LVL 5, 1 YORK STREET, SYDNEY, NSW 2000

ARCHITECT
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 2 RIVERSIDE QUAY, SOUTHBANK, VIC 3006

STATUS
 WORKS APPROVAL

DRAWING SCALE
 SCALE 1:200 @ A1


NORTH POINT


DRAWING
 SURFACE FINISHES & GRADING
 PLAN - SHEET 2 OF 3

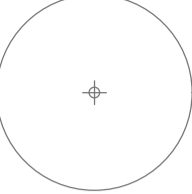
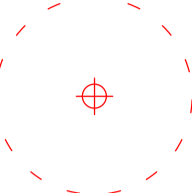
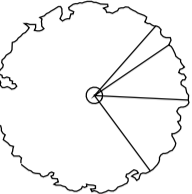



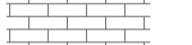










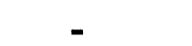

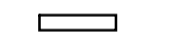

PROJECT No
 S18-013

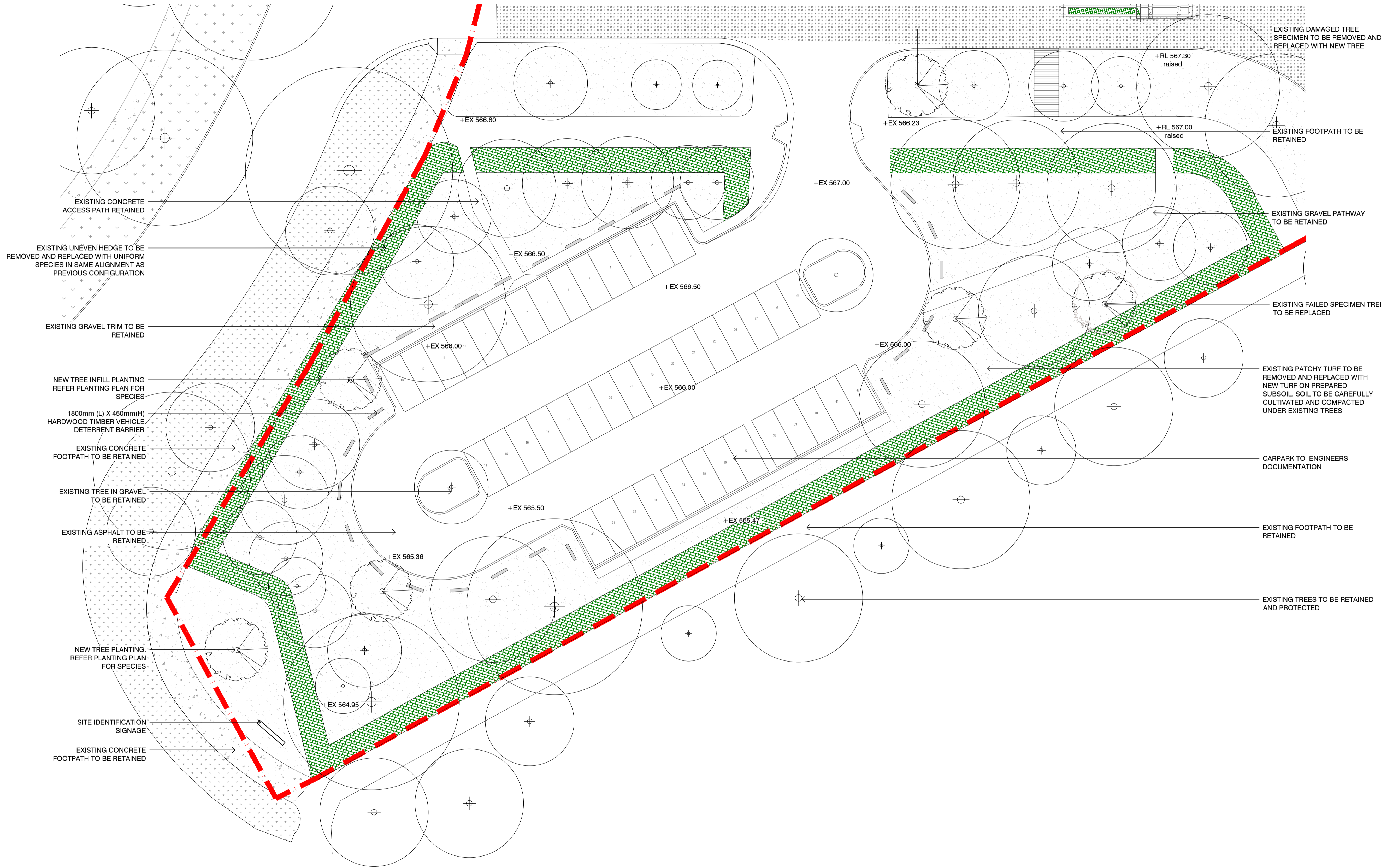
DRAWING No
 L202


SHEET SIZE
 A1

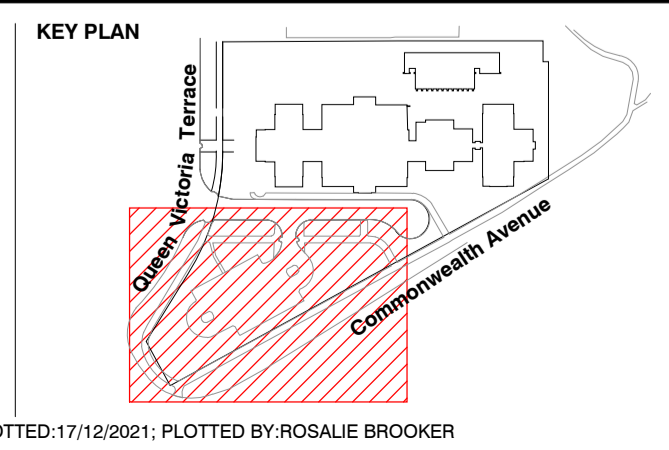
ISSUE
 01

LEGEND - MATERIAL

-  EXISTING TREE TO BE RETAINED AND PROTECTED
-  EXISTING TREE TO BE REMOVED DUE TO IMPACT OF PROPOSED DEVELOPMENT
-  PROPOSED TREE REFER TO PLANTING PLANS
-  BOUNDARY LINE
-  BLUESTONE PAVING
-  BRICK PAVING
-  UNIT PAVING 01
-  CONCRETE PAVING
-  ASPHALT PAVING
-  HARDWOOD DECK / EQUAL ACCESS RAMP
-  FLUSH CONCRETE EDGE
-  GALV STEEL EDGE
-  MASS PLANTING
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-  EXISTING TURF TO BE RETAINED
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-  TREE UPLIGHT LIGHT
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-  450mm HIGH VEHICLE BOLLARD
-  EXTERNAL SIGNAGE TO OTHERS DOCUMENTATION



NOTES
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| ISSUE | DATE | AMENDMENT | DRN | APRVD |
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 p 02.9557.5533 australia@oculus.info
 SYDNEY MELBOURNE WASHINGTON

PROJECT
 WEST BLOCK OFFICE REFURBISHMENT
 21 QUEEN VICTORIA TERRACE, PARKES ACT 2600
CLIENT
 OCEANA
 LVL 5, 1 YORK STREET, SYDNEY, NSW 2000
ARCHITECT
 FENDER KATSALIDIS
 2 RIVERSIDE QUAY, SOUTH BANK, VIC 3006

STATUS
 WORKS APPROVAL
 DRAWING SCALE
 SCALE 1:200 @ A1
 NORTH POINT

DRAWING
 SURFACE FINISHES & GRADING
 PLAN - SHEET 3 OF 3
 PROJECT No
 S18-013
 DRAWING No
 L203
 SHEET SIZE
 A1
 ISSUE
 01

LEGEND - TREES

- EXISTING TREES TO BE RETAINED
- CS *Cupressus sempervirens* 'Stricta'
- CA *Cupressus arizonica*
- CEA *Cedrus atlantica*
- CD *Calocedrus decurrens*
- EM *Eucalyptus mannifera*
- EMS *Eucalyptus mannifera* 'Little Spotty'
- PP *Populus pyramidalis*
- QP *Quercus palustris*
- UA *Ulmus americana*

Hedge

- | Symbol | Botanic Name |
|--------|---|
| | AzSh <i>Azalea</i> 'Shiraz' |
| | Buse <i>Buxus sempervirens</i> |
| | BuTB <i>Buxus sempervirens</i> (Clipped Topiary Ball) |
| | Chte <i>Choisya ternata</i> |
| | Copu <i>Coleonema pulchrum</i> |
| | Cule <i>Cupressus leylandii</i> |
| | Cuma <i>Cupressus macrocarpa</i> |
| | PiGo <i>Pittosporum tenuifolium</i> 'Golf Ball' |
| | PiGr <i>Pittosporum tenuifolium</i> 'Green Pillar' |
| | RhSn <i>Rhamphilepis indica</i> 'snow maiden' |

Grasses

- | Symbol | Botanic Name |
|--------|--------------------------------|
| | Pola <i>Poa labillardierei</i> |

Shrubs and ground covers

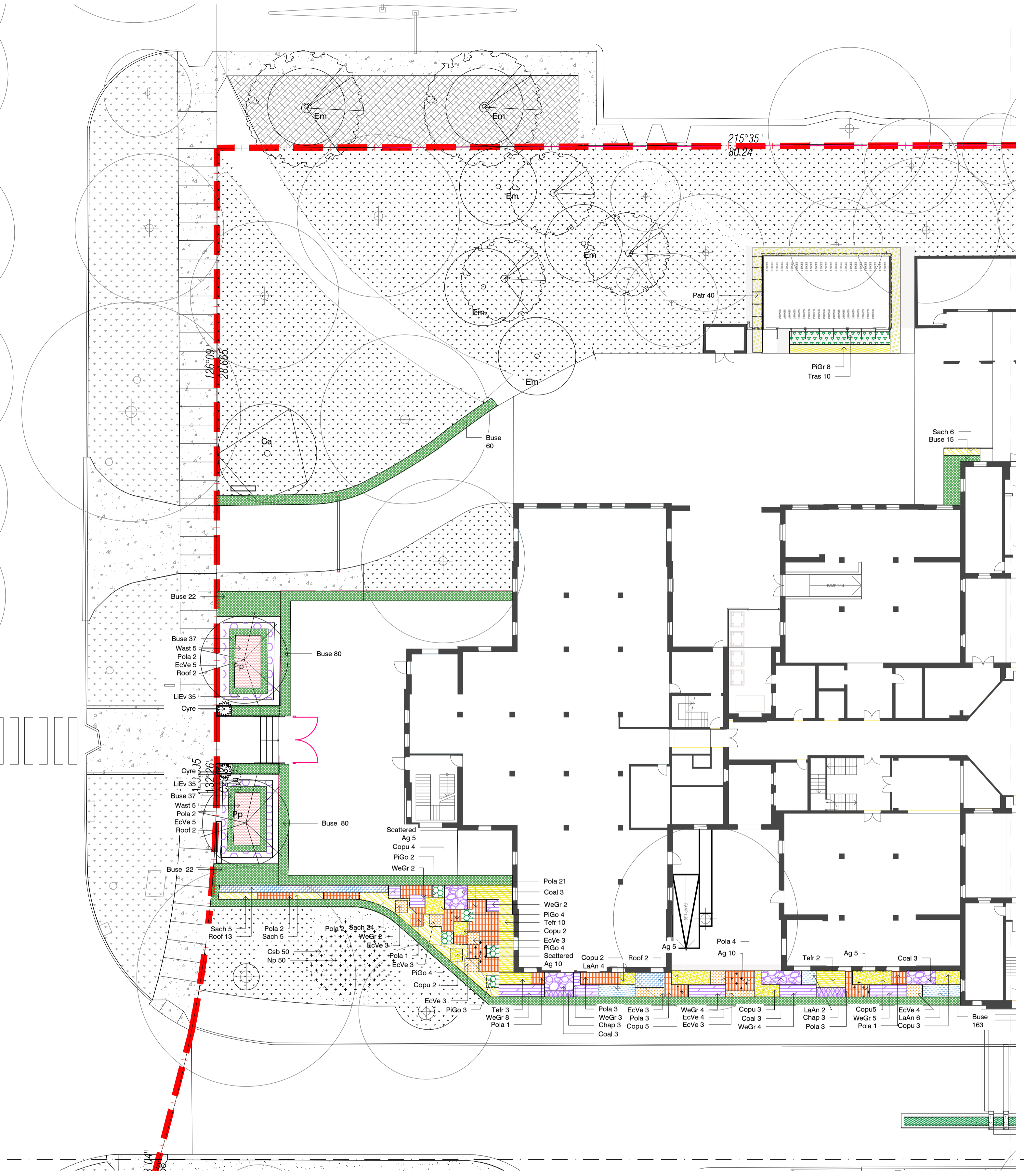
- | Symbol | Botanic Name |
|--------|--|
| | AjCa <i>Ajuga reptans</i> 'Catlins Giant' |
| | Asel <i>Aspidistra elatior</i> |
| | AsSi <i>Astelia chathamica</i> 'Silver Spears' |
| | Blca <i>Blechnum cartilagineum</i> |
| | Chap <i>Chrysocephalum apiculatum</i> |
| | Coal <i>Correa alba</i> |
| | Cyre <i>Cycas revoluta</i> |
| | DiCa <i>Dianella caerulea</i> 'Cassa Blue' |
| | EcVe <i>Echinops ritro</i> 'Veitch's Blue' |
| | Faja <i>Fatsia japonica</i> |
| | GrLa <i>Grevillea lanigera</i> 'Mt. Tamboritha' |
| | LaAn <i>Lavandula angustifolia</i> 'Munstead' |
| | LeFo <i>Leptospermum laevigatum</i> 'Fore Shore' |
| | Lipa <i>Libertia paniculata</i> |
| | LiEv <i>Liriope muscari</i> 'Evergreen Giant' |
| | LiJr <i>Liriope muscari</i> 'Just Right' |
| | LoTa <i>Lomandra longifolia</i> 'tanika' |
| | Patr <i>Parthenocissus tricuspidata</i> |
| | Roof <i>Rosmarinus officinalis</i> |
| | Sach <i>Salvia chamaedryoides</i> |
| | ScMa <i>Scaevola aemula</i> 'Mauve Clusters' |
| | Tefr <i>Teucrium fruticans</i> |
| | Tras <i>Trachelospermum asiaticum</i> |
| | Vihe <i>Viola hederacea</i> |
| | Wast <i>Wahlenbergia stricta</i> |
| | WeGr <i>Westringia fruticosa</i> 'Grey box' |

Potted Atrium Plants & External Potted Plants

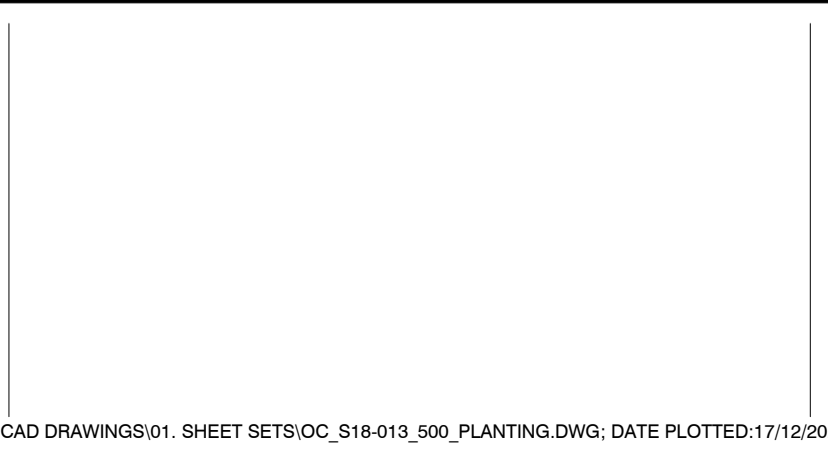
- | Symbol | Botanic Name |
|--------|--|
| | ArB <i>Ajuga reptans</i> 'Burgundy Glow' |
| | Aa <i>Anthurium andraeanum</i> |
| | An <i>Asplenium nidus</i> |
| | Bc <i>Blechnum cartilagineum</i> |
| | Ce <i>Chamaedorea elegans</i> |
| | Ds <i>Dichondra</i> 'Silver Falls' |
| | FeV <i>Ficus elastica</i> 'Variegata' |
| | Md <i>Monstera deliciosa</i> |
| | Ptb <i>Phormium tenax</i> 'Platts Black' |
| | Sm <i>Scindapsus marble</i> |
| | Sk <i>Spathiphyllum kochii</i> |
| | Sr <i>Strelitzia reginae</i> |

GRM - Green Roof Planting mix

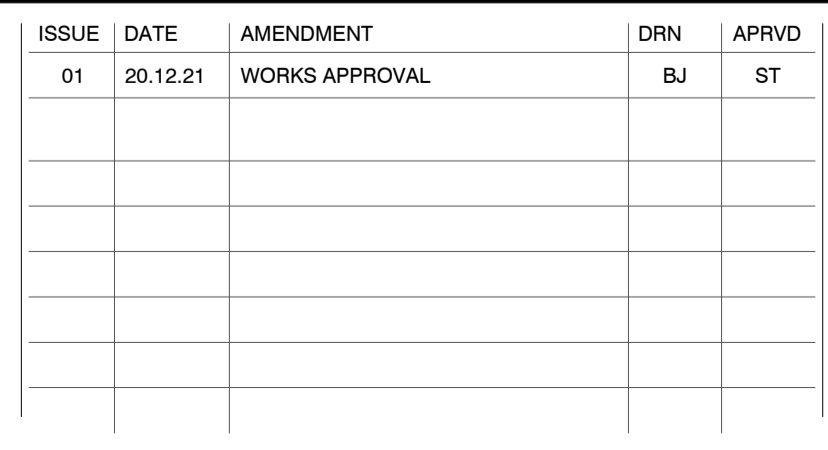
- | Symbol | Botanic Name |
|--------|---|
| | GRM <i>Hardenbergia</i> 'Bonnie Bilby' |
| | GRM <i>Eremophila glabra prostrate</i> 'Burgundy' |
| | GRM <i>Chrysocephalum apiculatum</i> |
| | GRM <i>Rosmarinus officinalis</i> 'Prostratus' |
| | GRM <i>Grevillea juniperina prostrate red</i> |
| | GRM <i>Thymus serpyllum</i> |
| | GRM <i>Myoporum parvifolium broad leaf</i> |
| | GRM <i>Rhodanthe anthemoides</i> |



NOTES
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PROJECT
 WEST BLOCK OFFICE REFURBISHMENT
 21 QUEEN VICTORIA TERRACE, PARKES ACT 2600

CLIENT
 OCEANA
 LVL 5, 1 YORK STREET, SYDNEY, NSW 2000

ARCHITECT
 FENDER KATSALIDIS
 2 RIVERSIDE QUAY, SOUTH BANK, VIC 3006

STATUS
 WORKS APPROVAL

DRAWING SCALE
 SCALE 1:50 @ A1
 0.5 0 0.5 1 2.5m

NORTH POINT

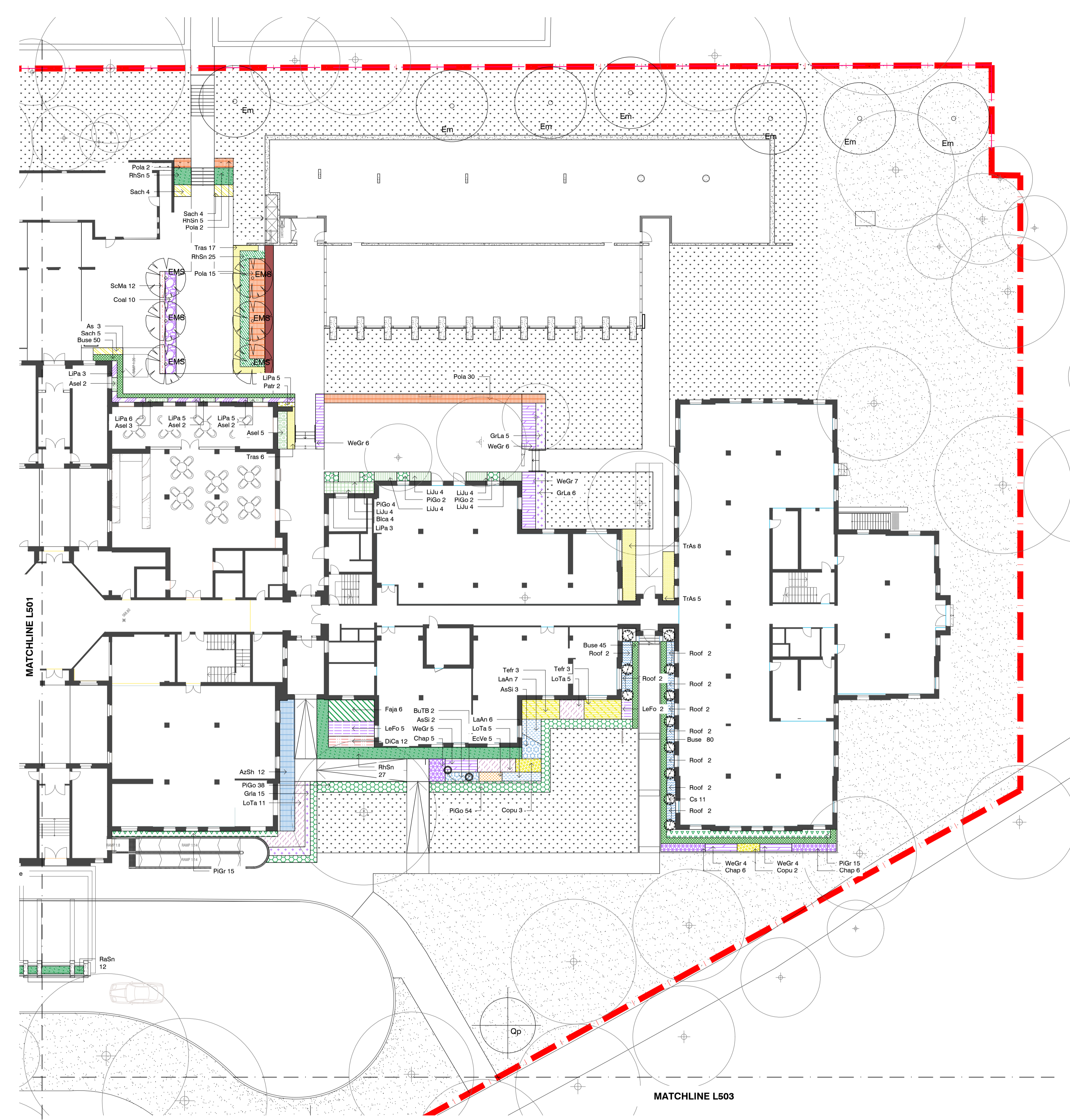
DRAWING
 PLANTING PLAN
 SHEET 1 OF 4

PROJECT No
 S18-013

DRAWING No
 L501

SHEET SIZE
 A1

ISSUE
 01



LEGEND - TREES

| | |
|--|---|
| | EXISTING TREES TO BE RETAINED |
| | CS <i>Cupressus sempervirens</i> 'Stricta' |
| | CA <i>Cupressus arizonica</i> |
| | CEA <i>Cedrus atlantica</i> |
| | CD <i>Calocedrus decurrens</i> |
| | EM <i>Eucalyptus mannifera</i> |
| | EMS <i>Eucalyptus mannifera</i> 'Little Spotty' |
| | PP <i>Populus pyramidalis</i> |
| | QP <i>Quercus palustris</i> |
| | UA <i>Ulmus americana</i> |

Hedge

| Symbol | Botanic Name |
|---------|---|
| | AzSh <i>Azalea</i> 'Shiraz' |
| | Buse <i>Buxus sempervirens</i> |
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| | Chte <i>Choisya ternata</i> |
| | Copu <i>Coleonema pulchrum</i> |
| | Cule <i>Cupressus leylandii</i> |
| | Cuma <i>Cupressus macrocarpa</i> |
| | PIGo <i>Pittosporum tenuifolium</i> 'Golf Ball' |
| | PIGr <i>Pittosporum tenuifolium</i> 'Green Pillar' |
| | RhSn <i>Rhabdolepis indica</i> 'snow maiden' |
| Grasses | |
| Symbol | Botanic Name |
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| Symbol | Botanic Name |
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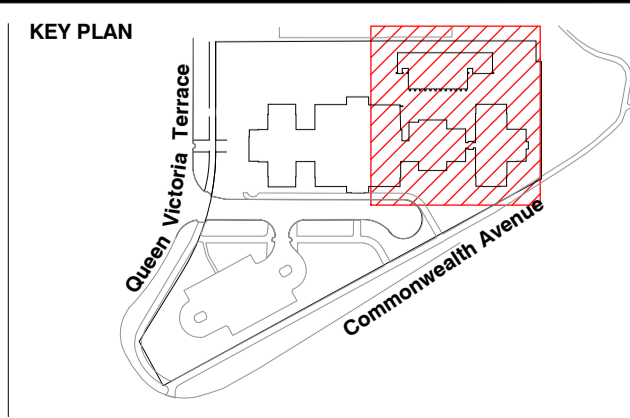
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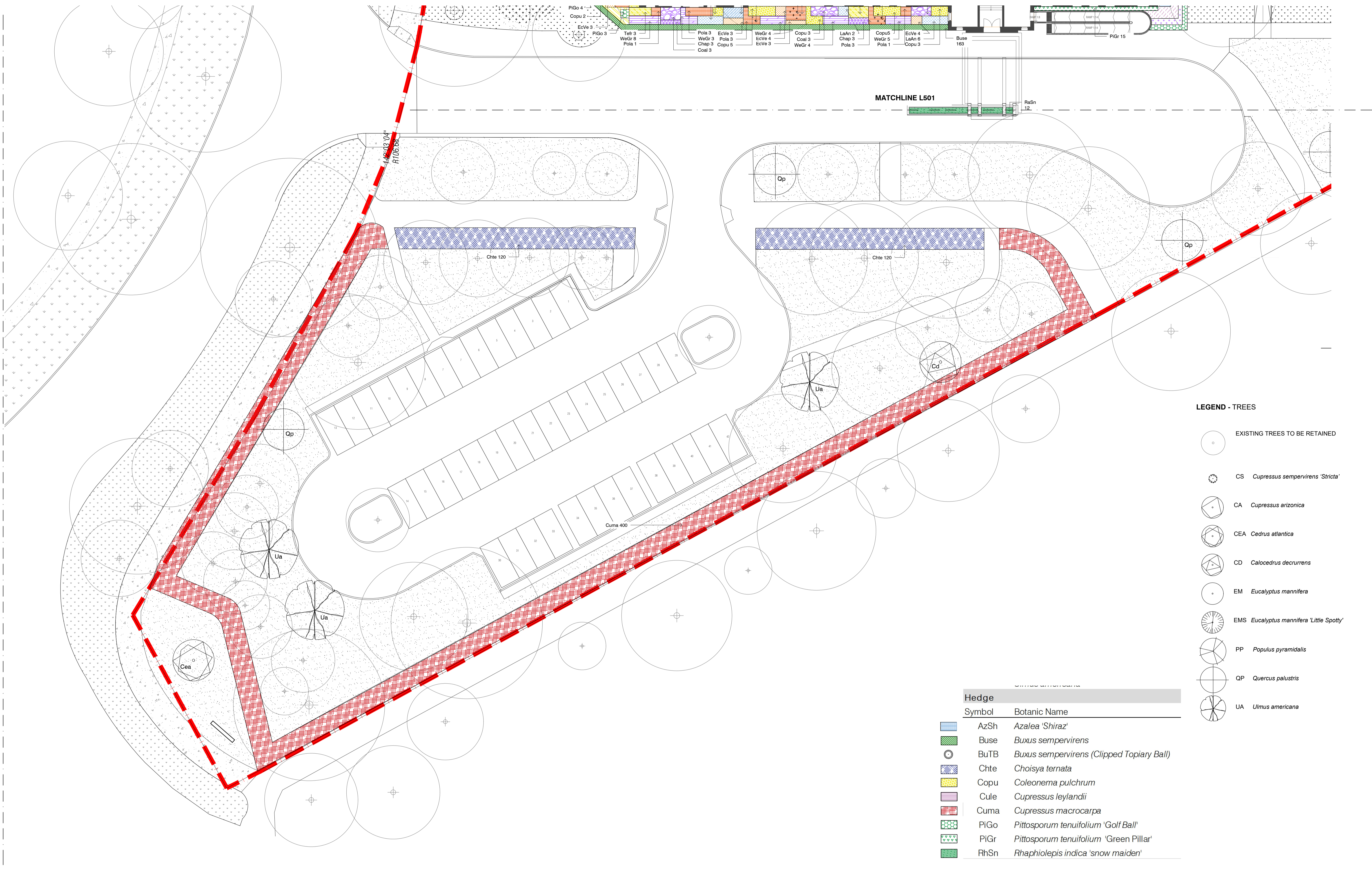
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 level 1 / 5 Wilson Street, p.o. box 307, Newtown, NSW 2042
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 SYDNEY MELBOURNE WASHINGTON

PROJECT
WEST BLOCK OFFICE REFURBISHMENT
 21 QUEEN VICTORIA TERRACE, PARKES ACT 2600
 CLIENT
OCEANA
 LVL 5, 1 YORK STREET, SYDNEY, NSW 2000
 ARCHITECT
FENDER KATSAIDIS
 2 RIVERSIDE QUAY, SOUTH BANK, VIC 3006

STATUS
WORKS APPROVAL
 DRAWING SCALE
 SCALE 1:200 @ A1
 NORTH POINT

DRAWING
PLANTING PLAN
SHEET 2 OF 4
 PROJECT No
S18-013
 DRAWING No
L502
 SHEET SIZE
A1
 ISSUE
01

MATCHLINE L501



- LEGEND - TREES**
- EXISTING TREES TO BE RETAINED
 - CS *Cupressus sempervirens* 'Stricta'
 - CA *Cupressus arizonica*
 - CEA *Cedrus atlantica*
 - CD *Calocedrus decurrens*
 - EM *Eucalyptus mannifera*
 - EMS *Eucalyptus mannifera* 'Little Spotty'
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Hedge

| Symbol | Botanic Name |
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| | BuTB <i>Buxus sempervirens</i> (Clipped Topiary Ball) |
| | Chte <i>Choisya ternata</i> |
| | Copu <i>Coleonema pulchrum</i> |
| | Cule <i>Cupressus leylandii</i> |
| | Cuma <i>Cupressus macrocarpa</i> |
| | PiGo <i>Pittosporum tenuifolium</i> 'Golf Ball' |
| | PiGr <i>Pittosporum tenuifolium</i> 'Green Pillar' |
| | RhSn <i>Rhapiolepis indica</i> 'snow maiden' |

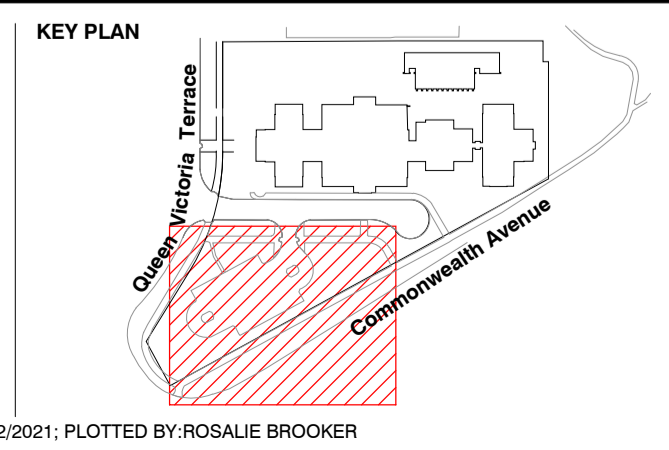
NOTES
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| ISSUE | DATE | AMENDMENT | DRN | APRVD |
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 p 02.9557.5533 australia@oculus.info
 SYDNEY MELBOURNE WASHINGTON

PROJECT
 WEST BLOCK OFFICE REFURBISHMENT
 21 QUEEN VICTORIA TERRACE, PARKES ACT 2600

CLIENT
 OCEANA
 LVL 5, 1 YORK STREET, SYDNEY, NSW 2000

ARCHITECT
 FENDER KATSALIDIS
 2 RIVERSIDE QUAY, SOUTH BANK, VIC 3006

STATUS
 WORKS APPROVAL

DRAWING SCALE
 SCALE 1:200 @ A1
 2 0 2 4 10m

NORTH POINT

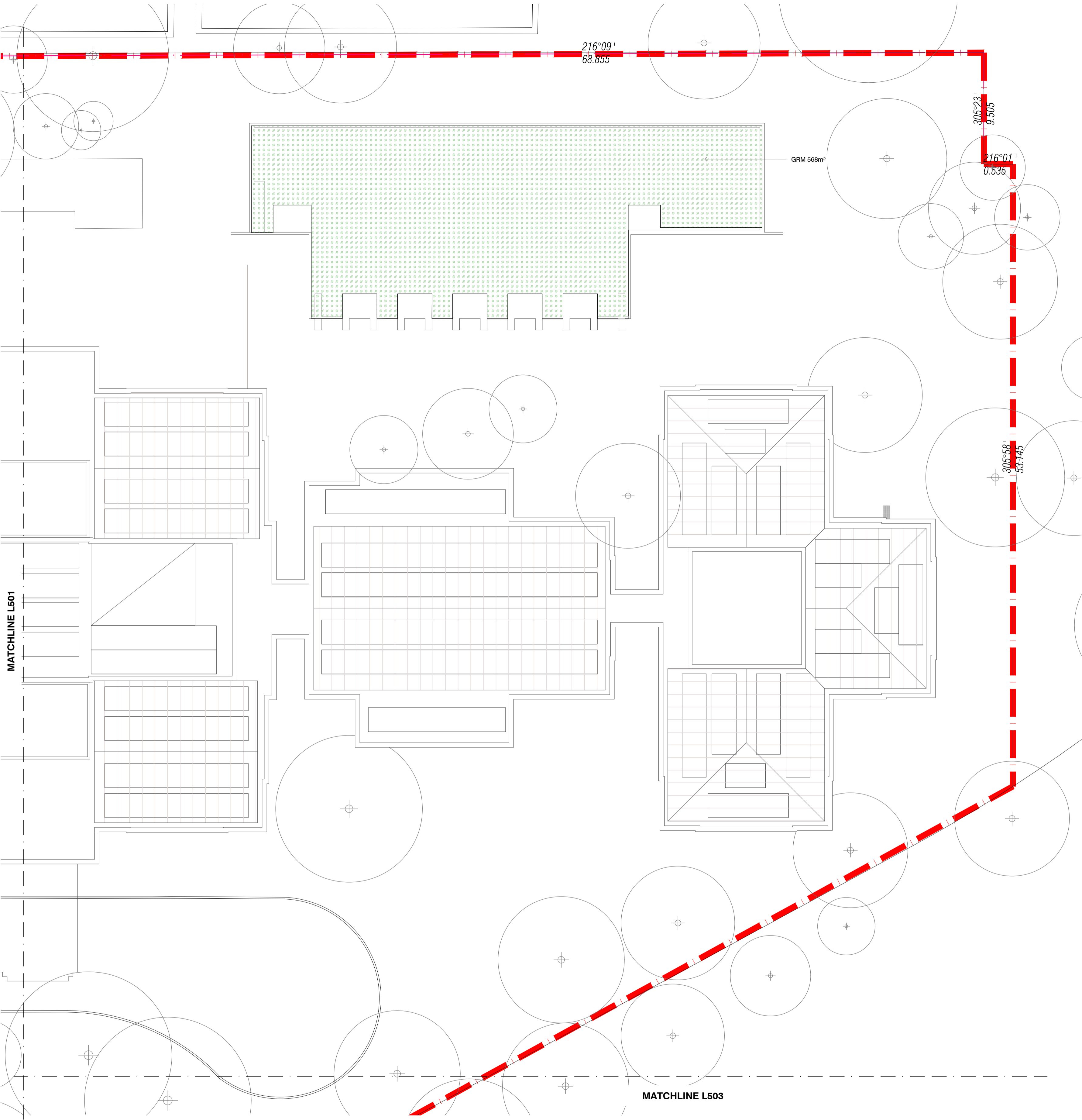
DRAWING
 PLANTING PLAN
 SHEET 3 OF 4

PROJECT N°
 S18-013



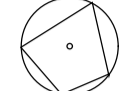





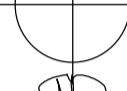

DRAWING N°
 L503


SHEET SIZE
 A1

ISSUE
 01



LEGEND - TREES

-  EXISTING TREES TO BE RETAINED
-  CS *Cupressus sempervirens 'Stricta'*
-  CA *Cupressus arizonica*
-  CEA *Cedrus atlantica*
-  CD *Calocedrus decurrens*
-  EM *Eucalyptus mannifera*
-  EMS *Eucalyptus mannifera 'Little Spotty'*
-  PP *Populus pyramidalis*
-  QP *Quercus palustris*
-  UA *Ulmus americana*

 **GRM - Green Roof Planting mix**

| Symbol | Botanic Name |
|--------|---|
| GRM | <i>Hardenbergia 'Bonnie Bilby'</i> |
| GRM | <i>Eremophila glabra prostrate 'Burgundy'</i> |
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| GRM | <i>Rosmarinus officinalis 'Prostratus'</i> |
| GRM | <i>Grevillea juniperina prostrate red</i> |
| GRM | <i>Thymus serpyllum</i> |
| GRM | <i>Myoporum parvifolium broad leaf</i> |
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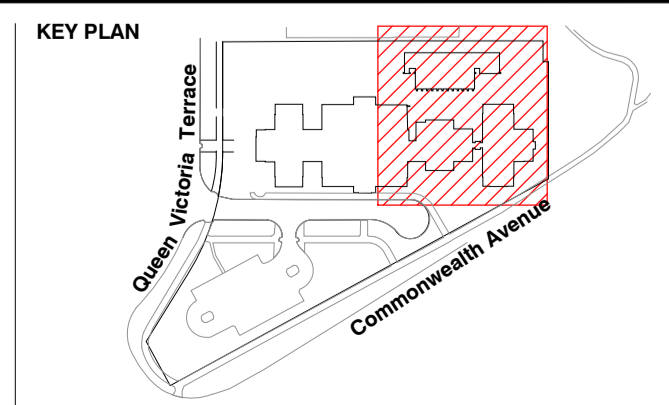
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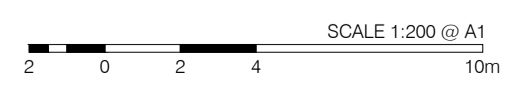
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 level 1 / 5 wilson street, p.o. box 307, newtown, nsw 2042
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 SYDNEY MELBOURNE WASHINGTON

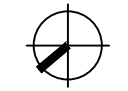
PROJECT
WEST BLOCK OFFICE REFURBISHMENT
 21 QUEEN VICTORIA TERRACE, PARKES ACT 2600

CLIENT
OCEANA
 LVL 5, 1 YORK STREET, SYDNEY, NSW 2000

ARCHITECT
FENDER KATSALIDIS
 2 RIVERSIDE QUAY, SOUTH BANK, VIC 3006

STATUS
WORKS APPROVAL

DRAWING SCALE
 SCALE 1:200 @ A1


NORTH POINT


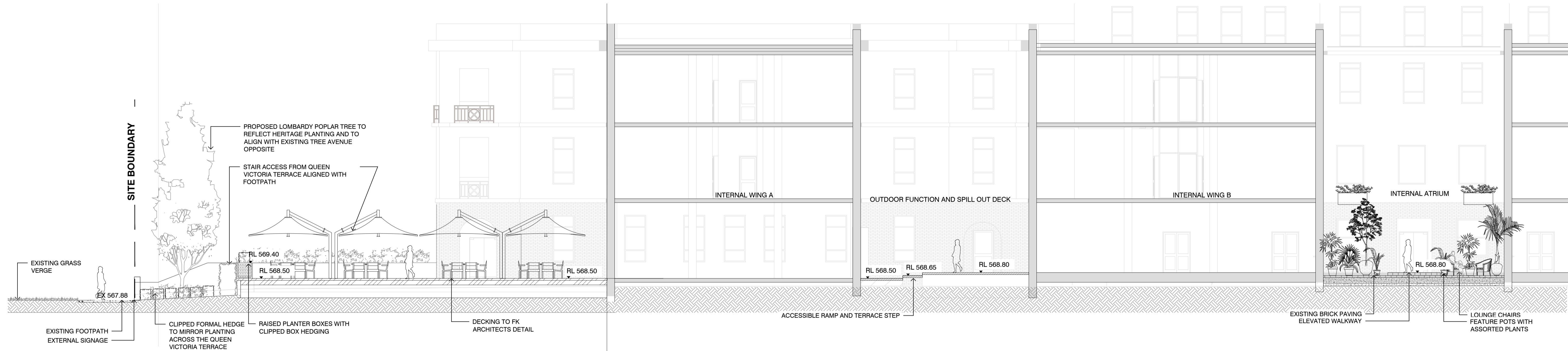
DRAWING
PLANTING PLAN
SHEET 4 OF 4

PROJECT No
S18-013

DRAWING No
L504

SHEET SIZE
A1

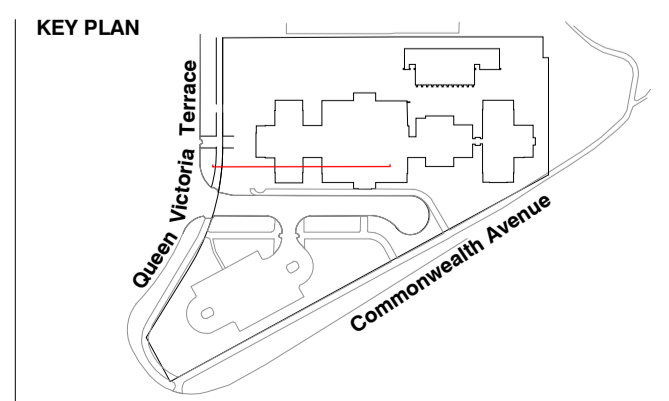
ISSUE
01



1 FUNCTION DECK AND INTERNAL ATRIUMS
SCALE 1:100

NOTES
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ARCHITECT
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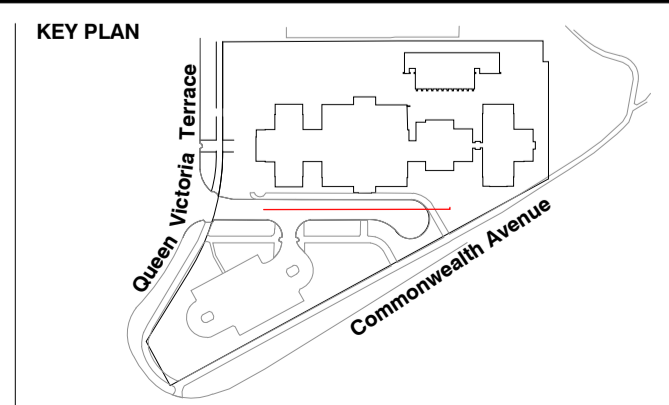
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1 MAIN BUILDING ENTRANCE
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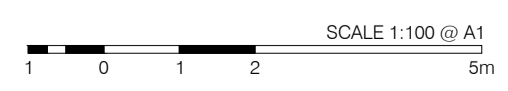
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1 WESTERN GARDEN AND OUTDOOR LOUNGE
SCALE 1:100

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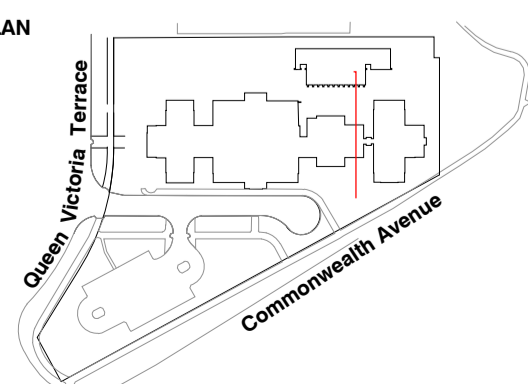
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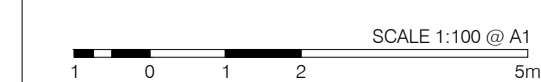
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FENDER KATSALIDIS
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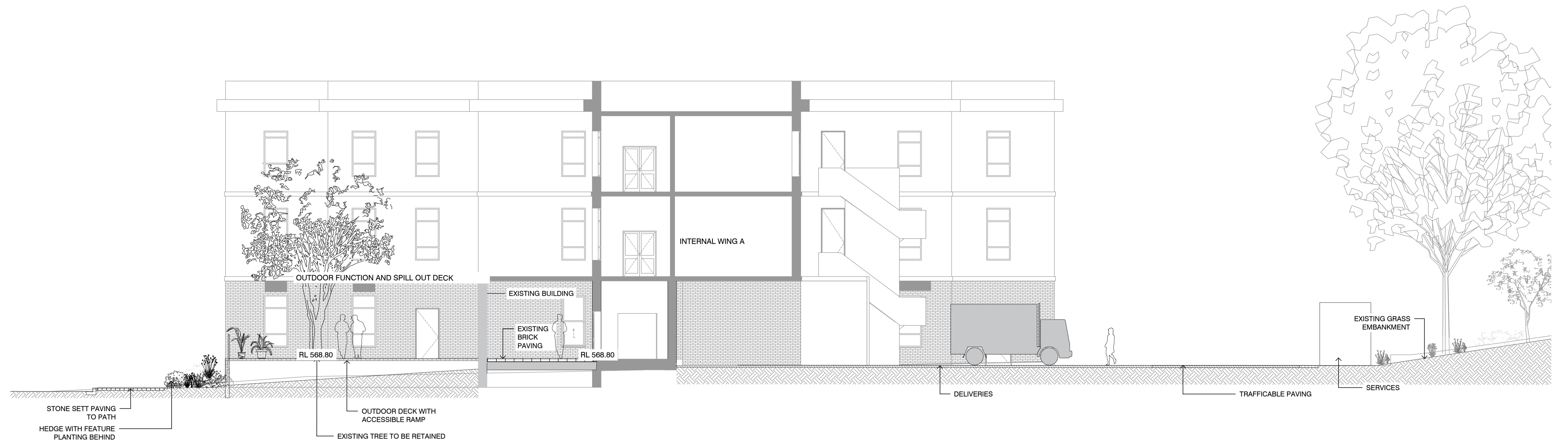
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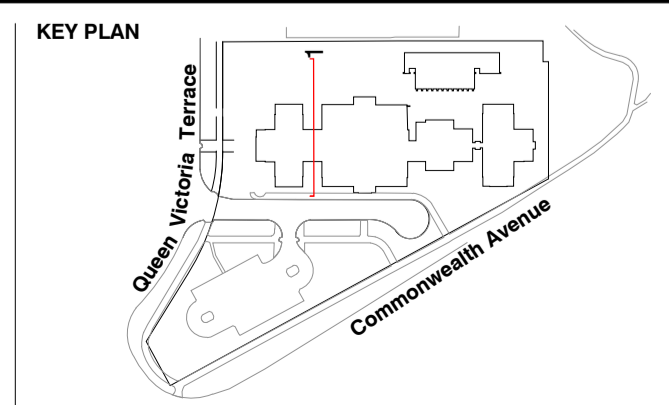


1 OUTDOOR DECK AND SERVICE DRIVEWAY
SCALE 1:50

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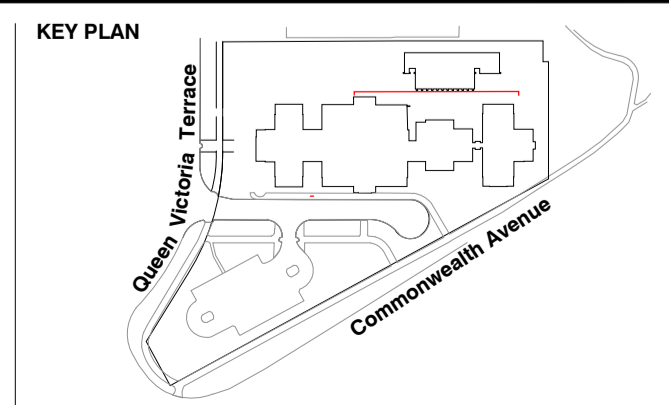
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1 EASTERN GARDENS
SCALE 1:100

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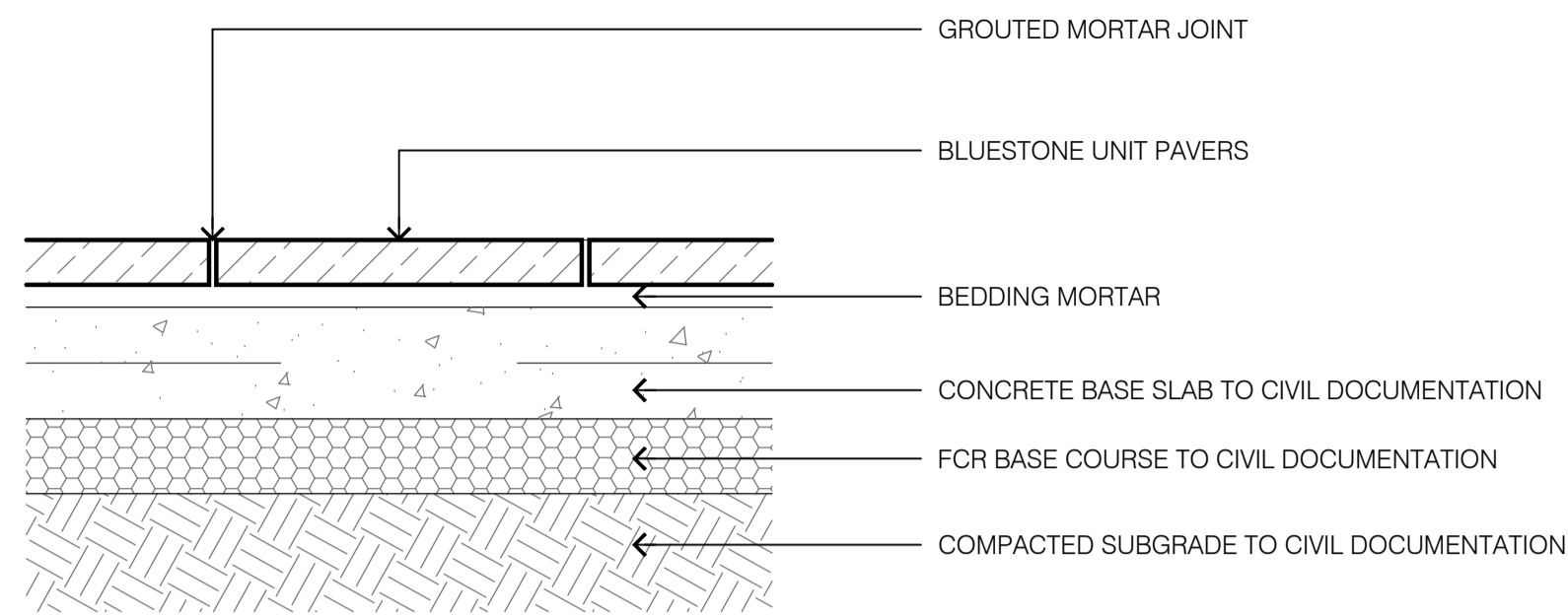
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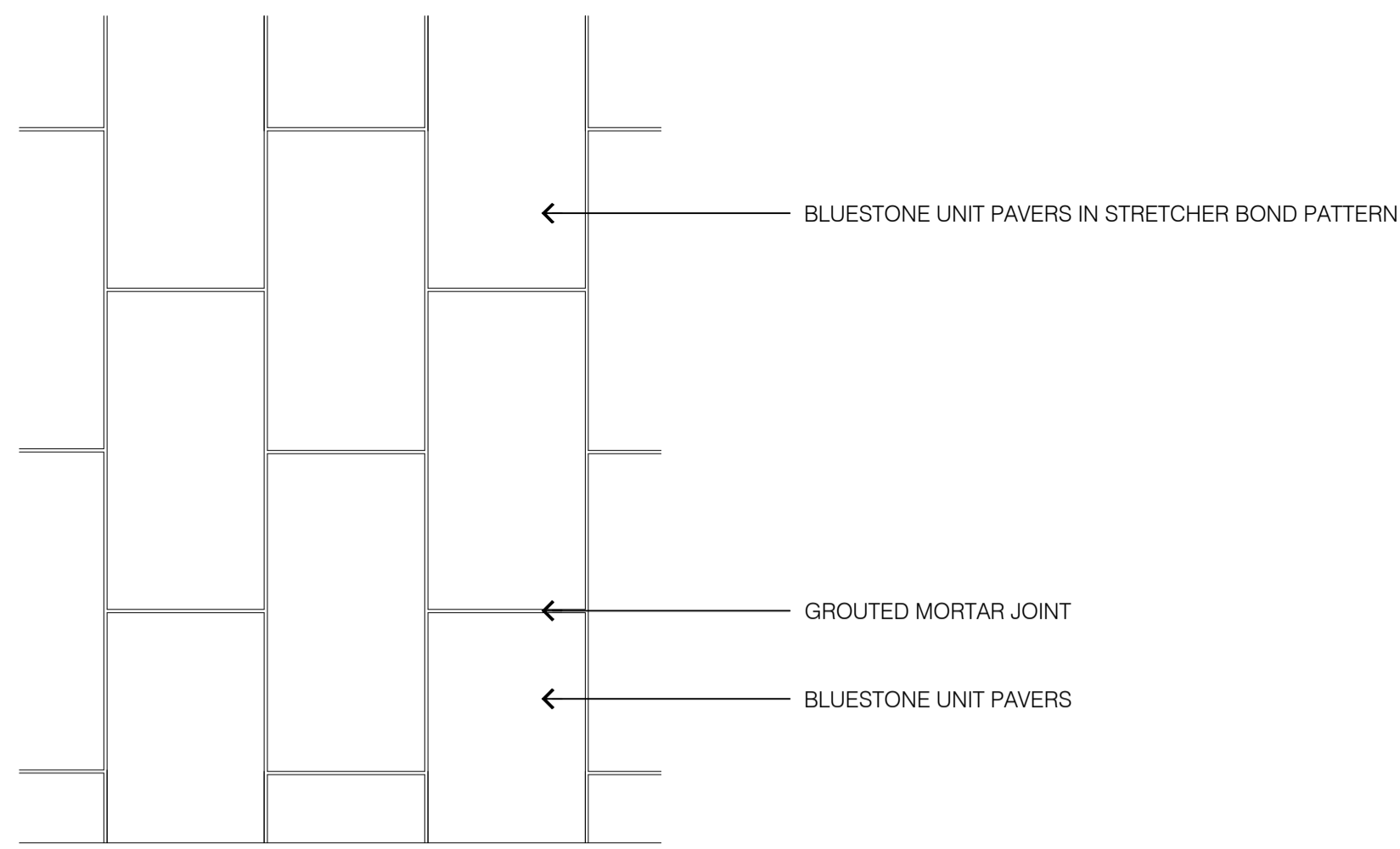
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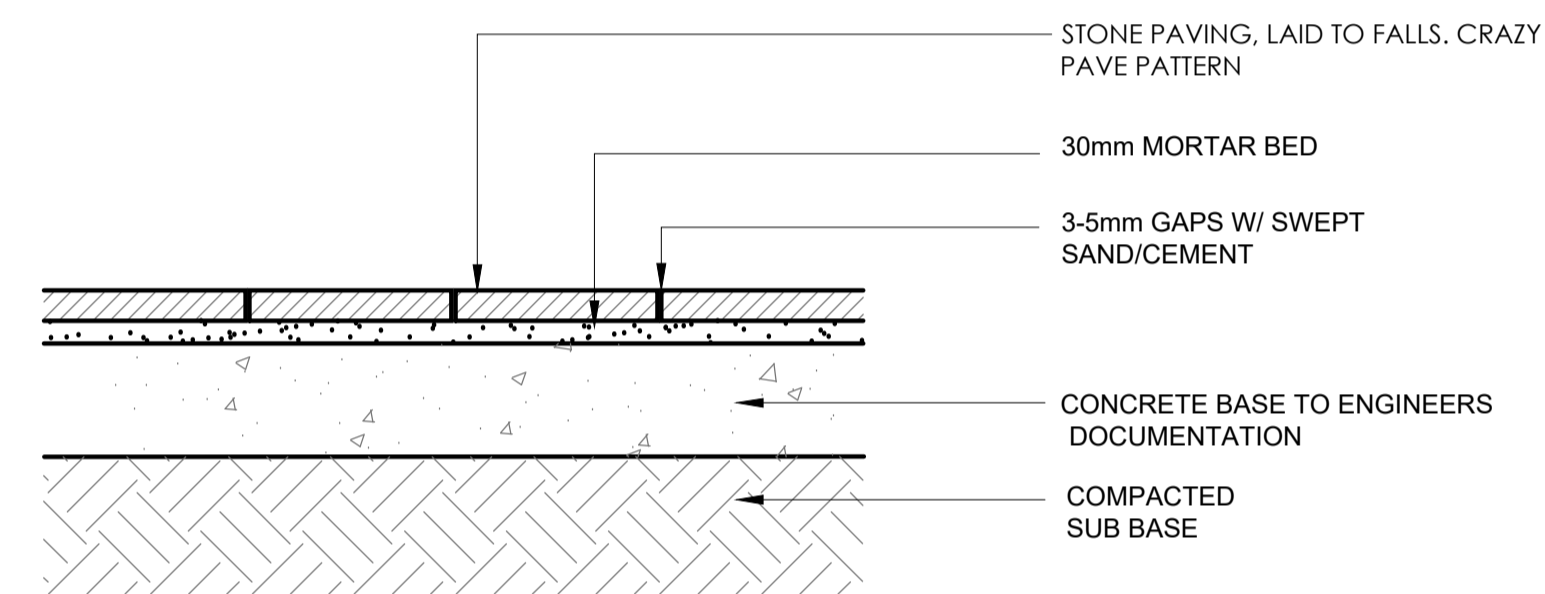
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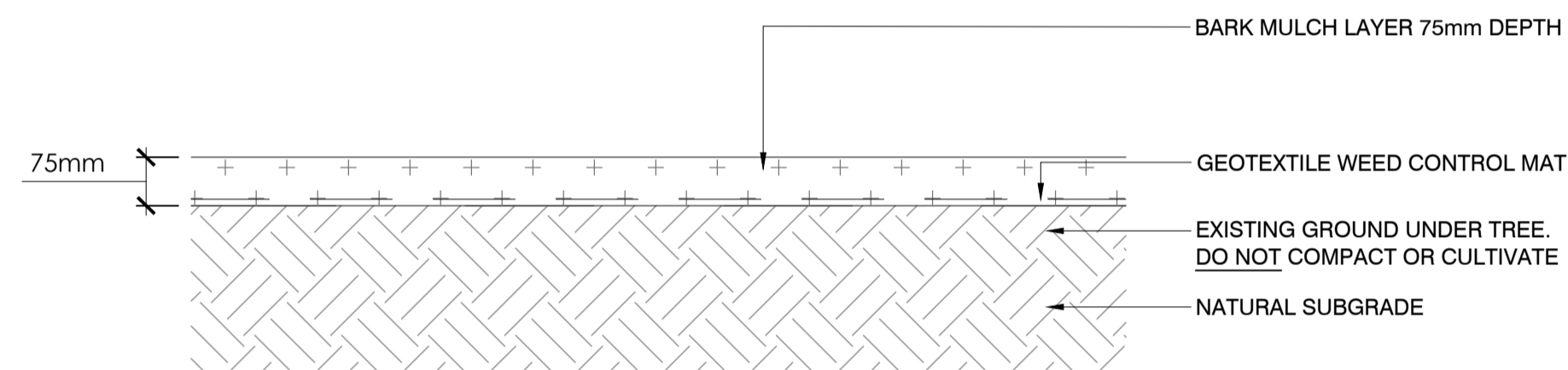
1 PV-01a: BLUESTONE PAVING (PEDESTRIAN)
SCALE 1:10



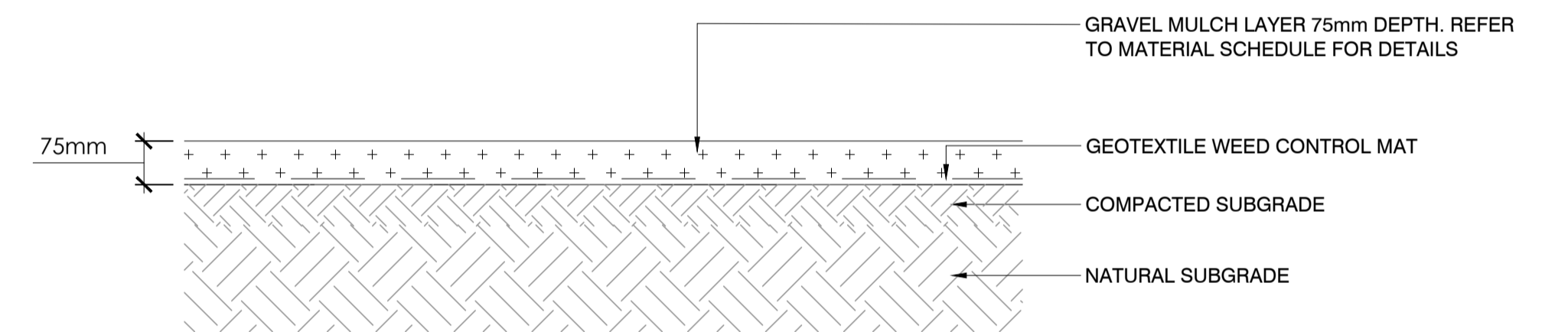
2 PV-01: BLUESTONE PAVING PATTERN 1
SCALE 1:10



3 STONE PAVING (PEDESTRIAN)
SCALE 1:10



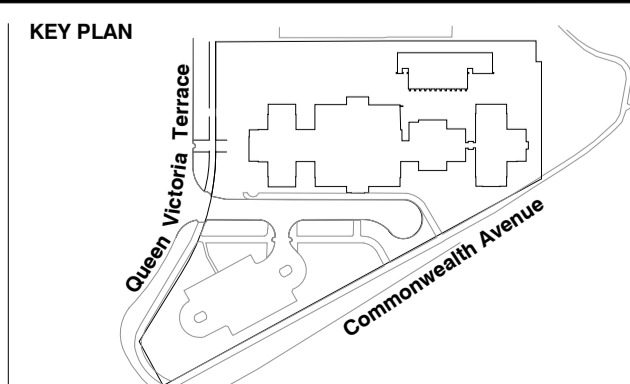
4 BARK MULCH
SCALE 1:10



5 GRAVEL MULCH
SCALE 1:10

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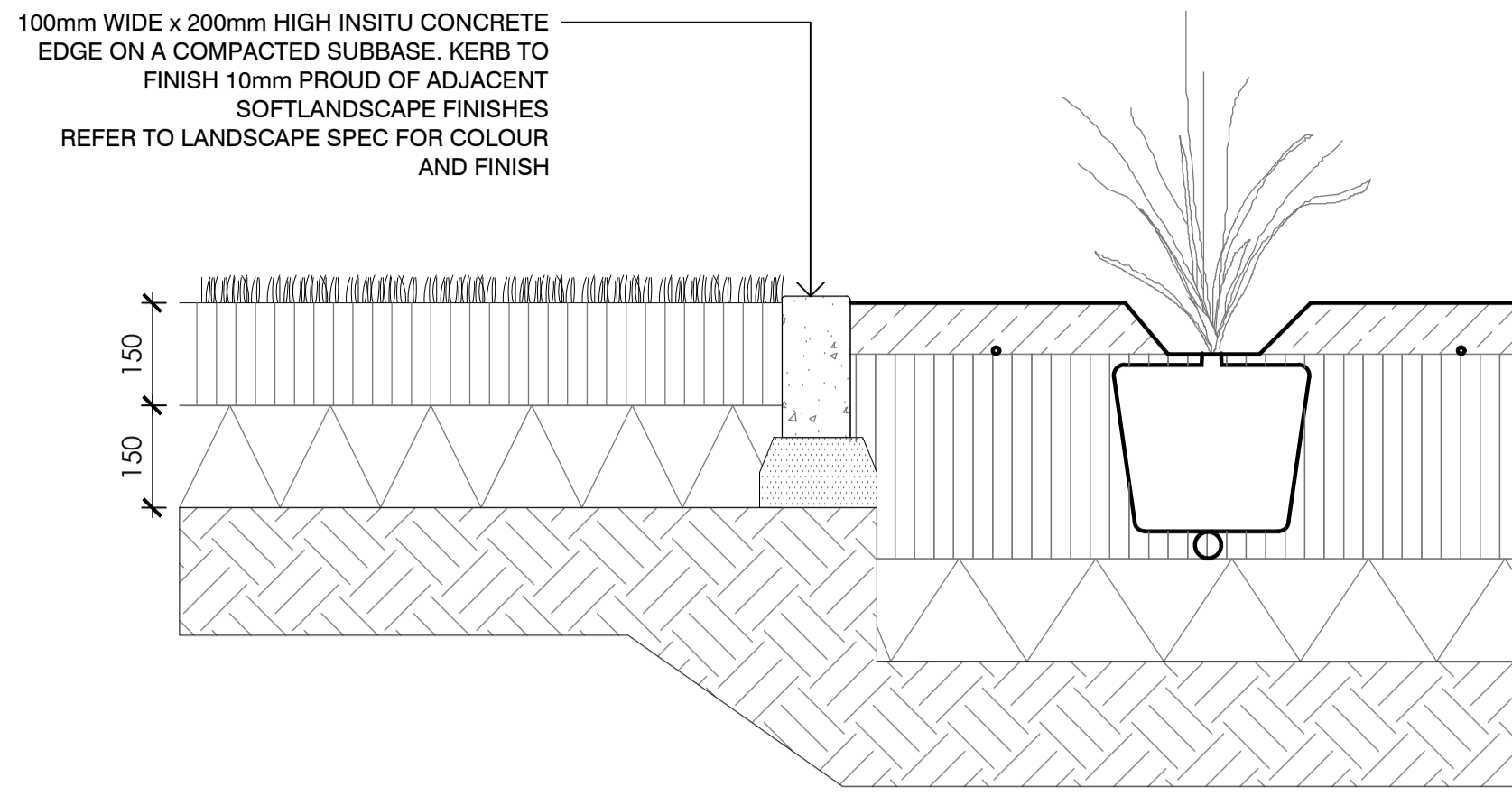
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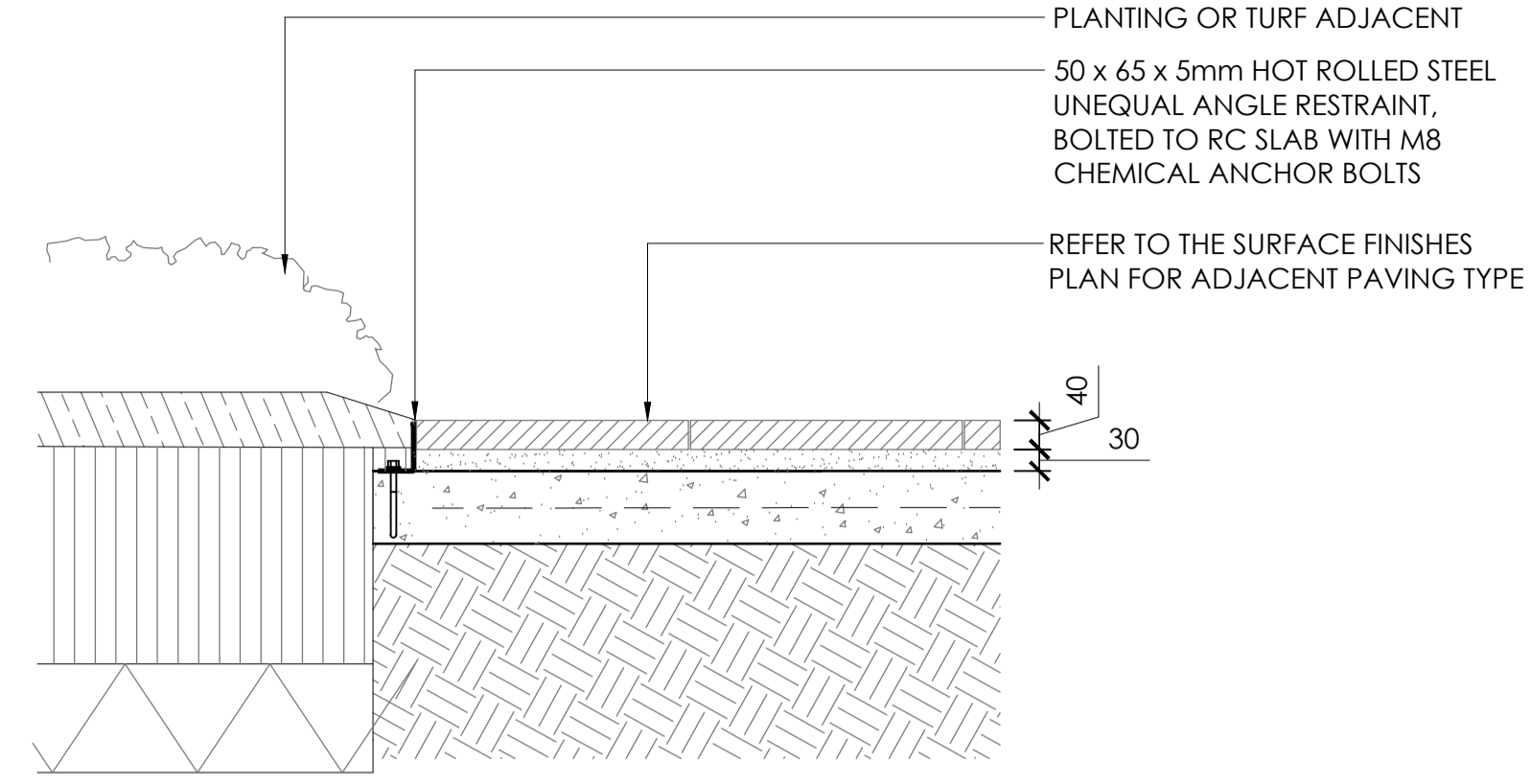
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1 ED-01: CONCRETE EDGE (FLUSH)
SCALE 1:10



2 ED-02: STEEL EDGE (FLUSH)
SCALE 1:10

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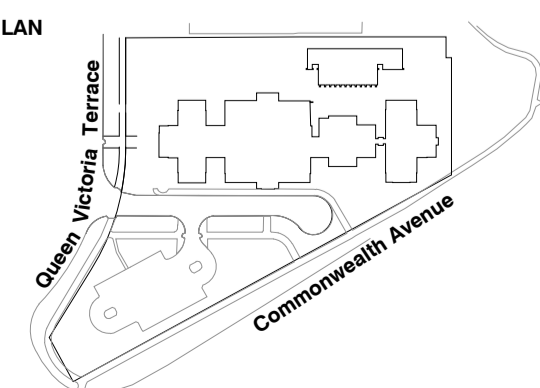
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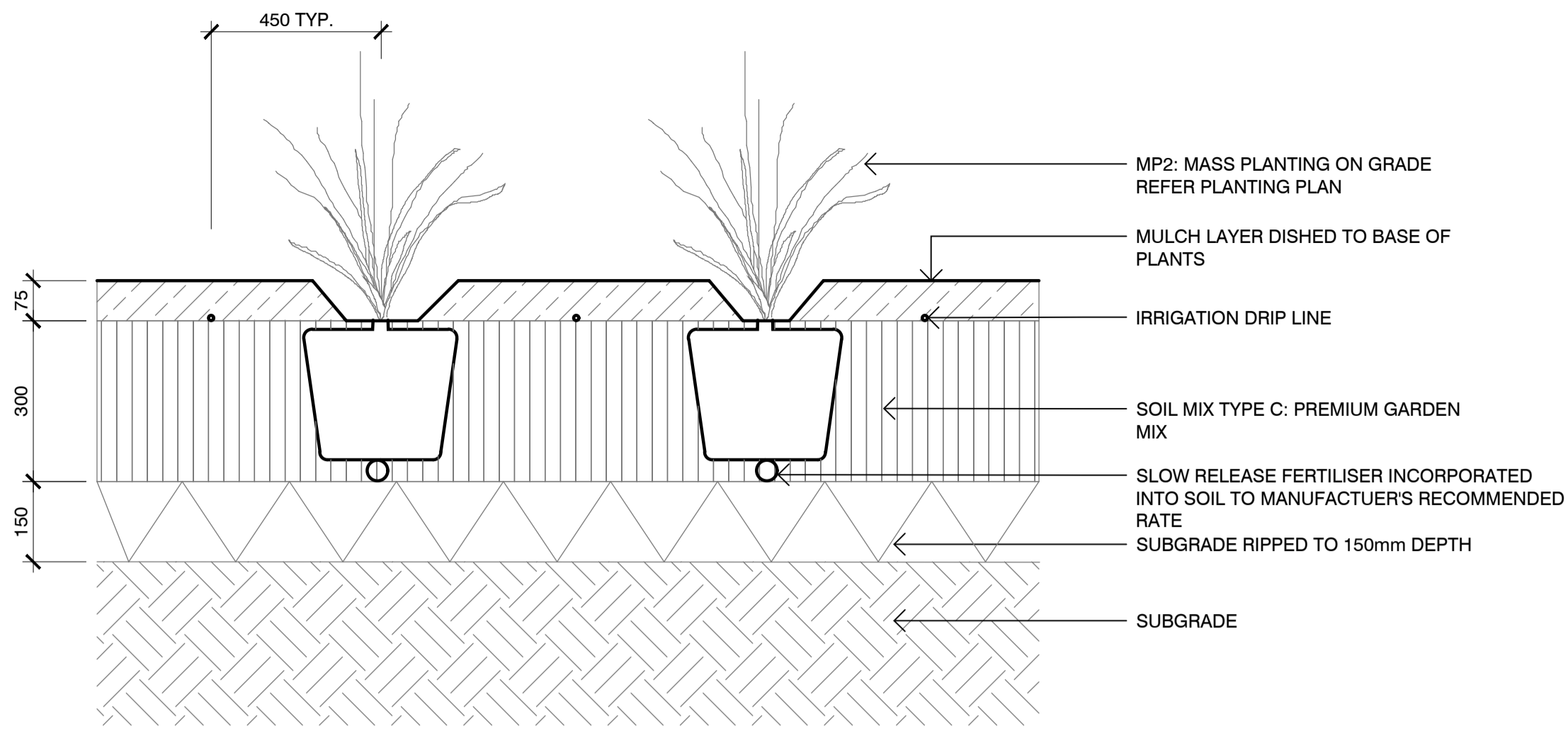
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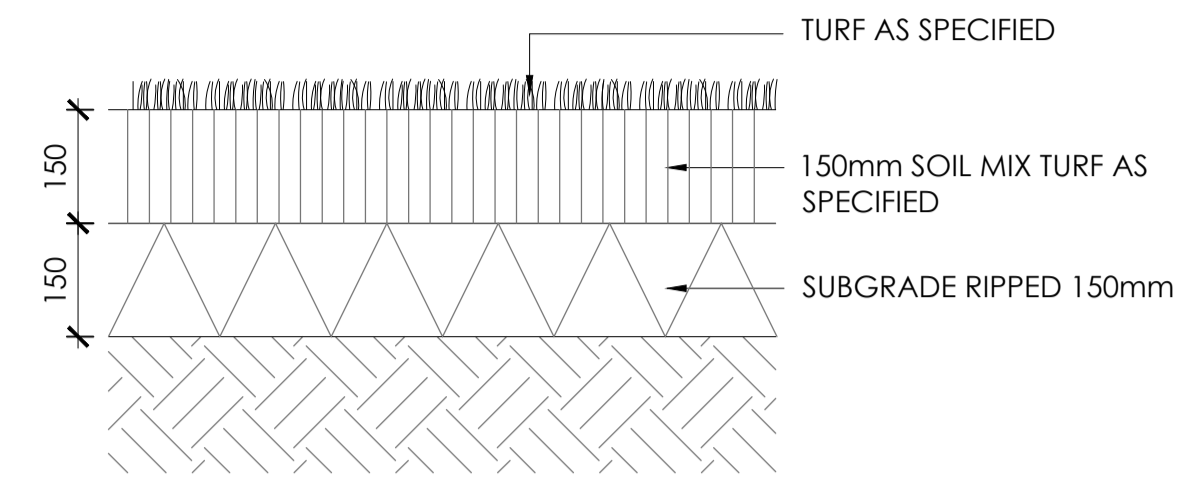
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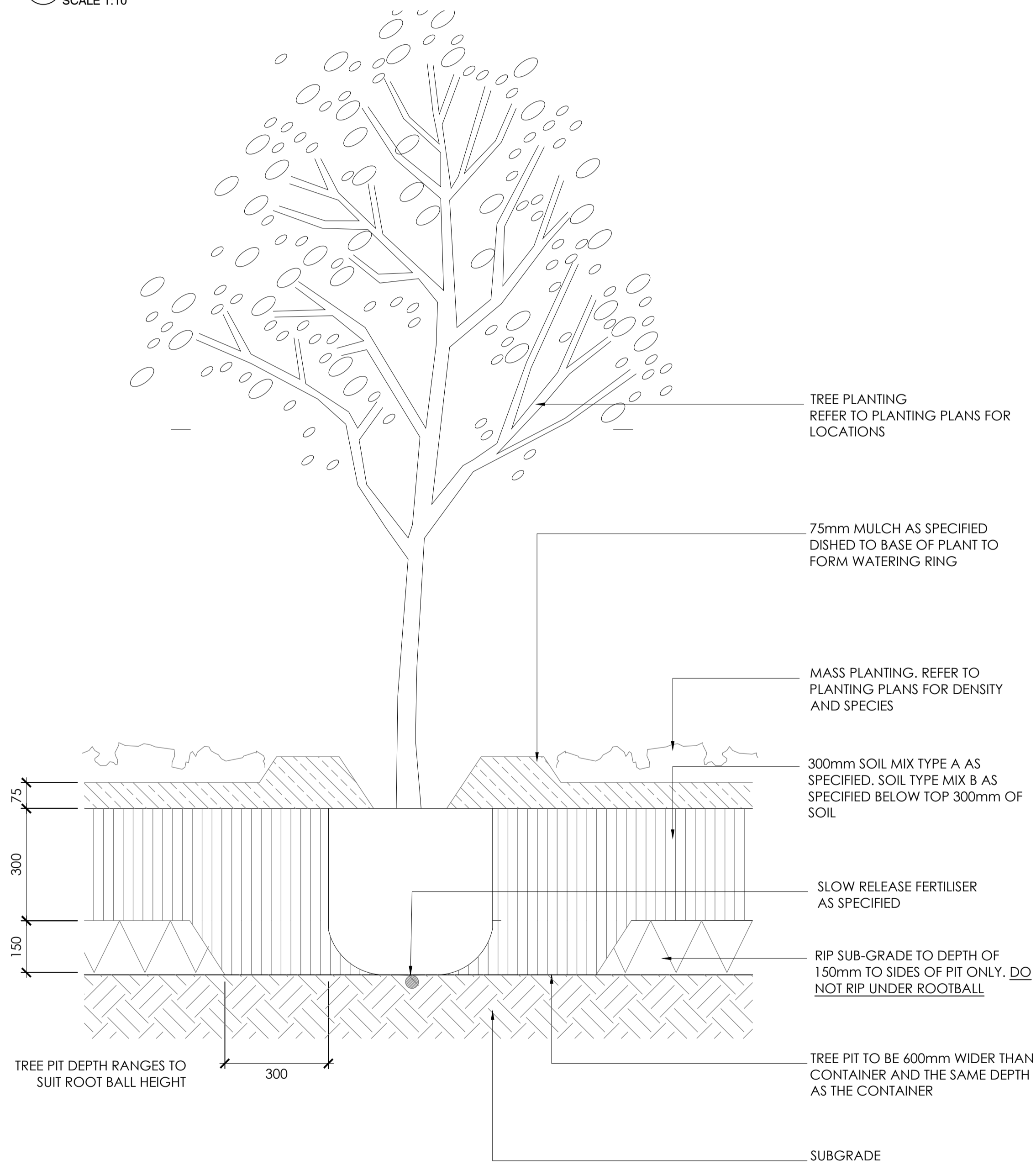
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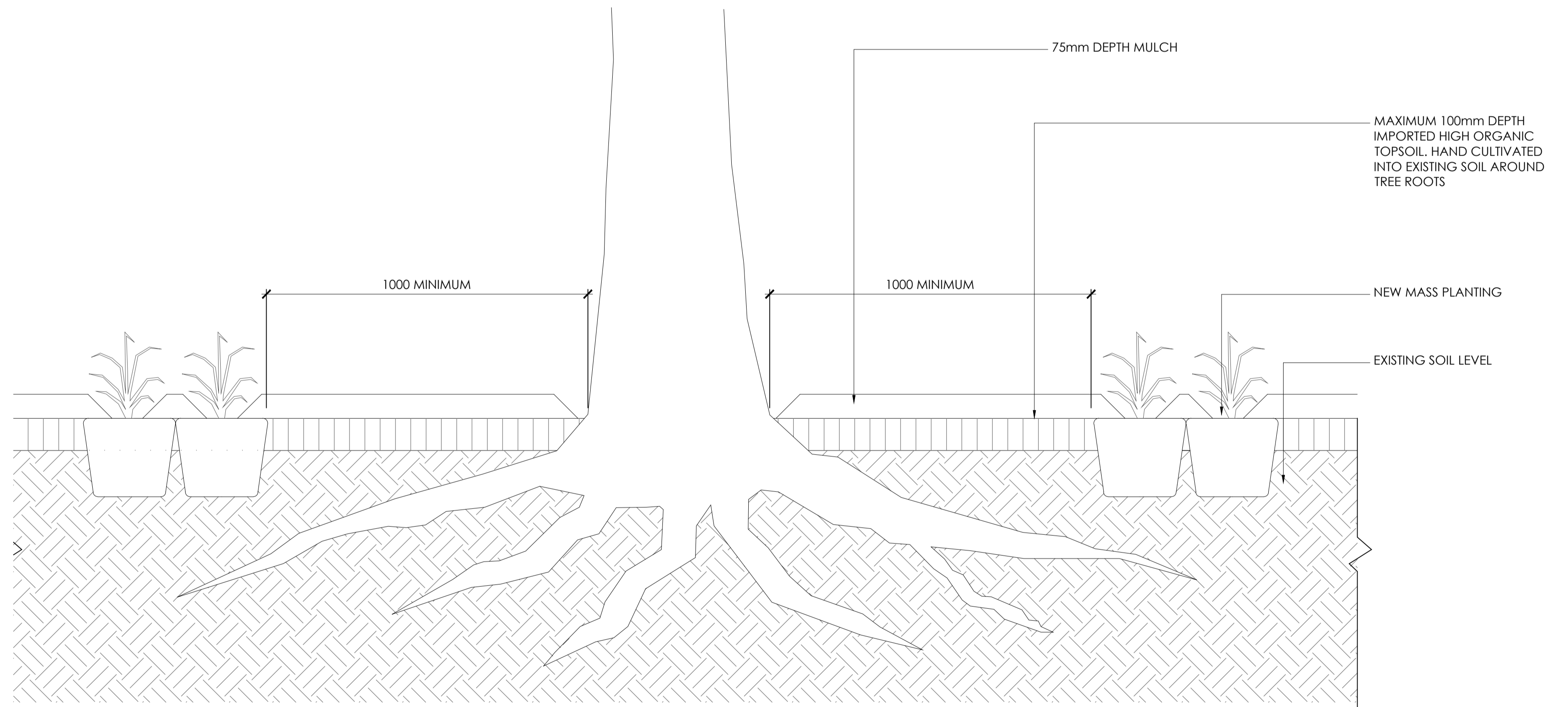
1 MP-01: MASS PLANTING
SCALE 1:10



2 TF-01: TURF
SCALE 1:10



3 TREE PLANTING WITHIN PLANTING BED
SCALE 1:10

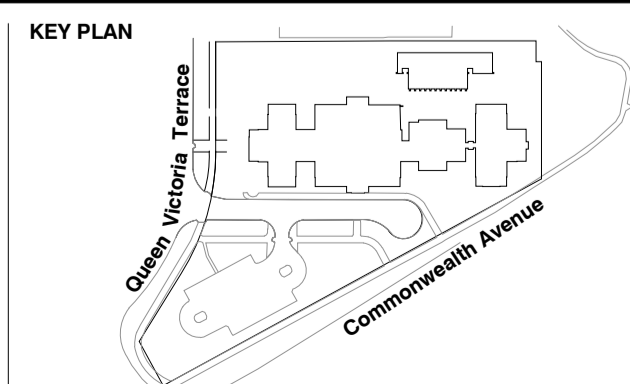


4 PLANTING UNDER / ADJACENT TO EXISTING TREE
SCALE 1:10

NOTE: REFER ALSO TO ARBORISTS REPORT FOR WORKS AROUND EXISTING TREES

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LANDSCAPE

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GOLD LEAF

TREE SERVICES

IMPACT ASSESSMENT REPORT

WEST BLOCK

Queen Victoria Terrace Parkes 2600, Canberra, ACT

Prepared for: Oculus and GEOCON

Updated August 2021



Prepared by:

James Macpherson, Gold Leaf Director & Consulting Arborist

Martin Jones, Consulting Arborist.

Gold Leaf Tree Services Pty Ltd ABN 12 149 800 868 P| 02 6108 3632 E| enquiry@goldleaftreeservices.com.au
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Disclaimer: the information in any report by Gold Leaf Tree Services Pty Ltd covers only those trees listed and reflects the condition of those trees at the time of the inspection. Gold Leaf Tree Services' arborists conscientiously apply their knowledge in assessing trees and recommending treatments with the intention of the best outcome for their clients. However, given the natural variability of trees, the arborist may not be able to predict when a tree may fail. There is no guarantee that any mitigation action recommended, or agreed to with the client, will prevent failure in the future. Trees can be managed but neither they, nor the environmental influences on them, can be completely controlled, and to be near a tree is to accept some degree of risk.

INTRODUCTION

Background

This Impact Assessment and Tree Management Plan was prepared for Oculus and Geocon in relation to the redevelopment of West Block, Queen Victoria Terrace, Parkes, Canberra, ACT. The report seeks to identify the significant trees for protection during the redevelopment and identify trees that may have poor form and condition or conflict with the new proposed construction area. Oculus and Geocon seeks to offset any removals with optimum tree care, soil health care, irrigation, inspections, tree management and new plantings. It is intended to be a dynamic document and to incorporate changes to the proposed site as they develop. It should also be used in conjunction with The West Block Tree Assessment Report June 2018 recently completed by Gold Leaf Tree Services.

In preparing this report, the author is aware of and considers the objectives of the

- *Tree Protection Act 2005*
- *Australian Standard AS 4970 – 2009 Protection of Trees on Development Sites*
- *Australian Standard AS4373 – 2007 Pruning of Amenity Trees*

Methodology

A site visit was conducted on 28th of June 2018 to confirm tree locations, collect photographs, take measurements and collect other information. A further site visit was conducted on 29th June 2018 to consolidate the identification of the of the West Block trees that are to be protected and which trees are to be removed for the proposed development.

The assessment is based upon a visual inspection from ground level using the Visual Tree Assessment (VTA) approach developed by Mattheck & Broeler (1994). The inspection was limited to visual inspection of the trees without dissection, probing or coring. No aerial inspection of the trees was carried out and the assessment did not include any woody tissue testing or root investigation.

Aims

The aims of this report are to:

- determine the impact on the subject trees.
- where appropriate, recommend the use of sensitive construction methods to minimise adverse effects on the subject trees.
- prepare site-specific tree protection measures for the subject trees to be retained.
- identify tree removal in relation to the proposed design.

There is no warranty or guarantee, expressed or implied that deficiencies regarding the subject trees or the subject site may not arise in the future. Information contained in this report covers only the subject trees that were assessed and reflects the condition of the subject trees at the time of inspection.

Assessor Qualifications

Our national industry body states that anyone seeking advice on trees should only engage an AQF Level 5 (Diploma) qualified Arborist (Arboriculture Australia, 2018). This ensures clients receive qualified and objective advice from professional Arborists who understand tree biology and their strategic management for the development or conservation of ecosystems. Gold Leaf Tree Services' Consulting Arborist for this report holds the following qualifications:

James Macpherson (Director Gold Leaf Tree Services)

- Diploma of Arboriculture
- Quantified Tree Risk Assessment practitioner (QTRA)
- Certificate in Sustainable Agriculture
- Australian Arborist Industry Licence - Level 5 Consulting Arborist, Arboriculture Australia

Martin Jones

- Diploma of Arboriculture
- Quantified Tree Risk Assessment practitioner (QTRA)
- Certificate in Sustainable Agriculture
- Diploma of Management
- Australian Arborist Industry Licence (Via Gold Leaf Tree Services) - Level 5 Consulting Arborist, Arboriculture Australia.

OBSERVATIONS

GEOCON has recently purchased the West Block site and propose to redevelop the existing building into a luxury hotel. There are 81 trees identified within the boundary of which GEOCON propose to remove 24 trees, mostly on the west bank of the property, with a percentage of these trees having low amenity usage, in poor to fair health and structure. Several of these trees are significant with historic value and are in good condition, which unfortunately conflict in location with the proposed plan. GEOCON seek to offset removals with optimum tree care, soil health care, irrigation, inspections, tree management and new plantings.

Site

West Block is situated within the Parliamentary Triangle (also known as the National Triangle) and is bordered by Queen Victoria Terrace, Commonwealth Avenue, State Circle and Federation Mall.

History

West and East Blocks were built between 1925 and 1927, along with Old Parliament House, to house the essential secretariats of the federal government in Canberra. They represent the evolution of government and national democracy in Australia. Both buildings and their surrounding landscapes are on the national heritage register.

Many of the trees at West Block site are considered to be “Weston plantings”. Charles Weston was a British horticulturalist who migrated to Australia in 1896. He worked at Admiralty House and Federal Government House in Sydney, then managed the NSW State Nursery in Campbelltown. In 1913 he was appointed officer-in-charge of afforestation in Canberra, the new “garden city”, designed by Walter Burley Griffin.

The intention behind the commercial venture is to pay homage to Canberra’s history, by restoring and re-purposing the historic West Block to create “the most famous hotel in Australia” (Nick Georgalis, Managing Director, GEOCON)

Given the historical significance of the site and GEOCON’s desire to create an iconic hotel that pays respect to the building’s history and location, there is adequate reason to support the landscape and significant trees surrounding the building by implementing the best care possible.

The Plan

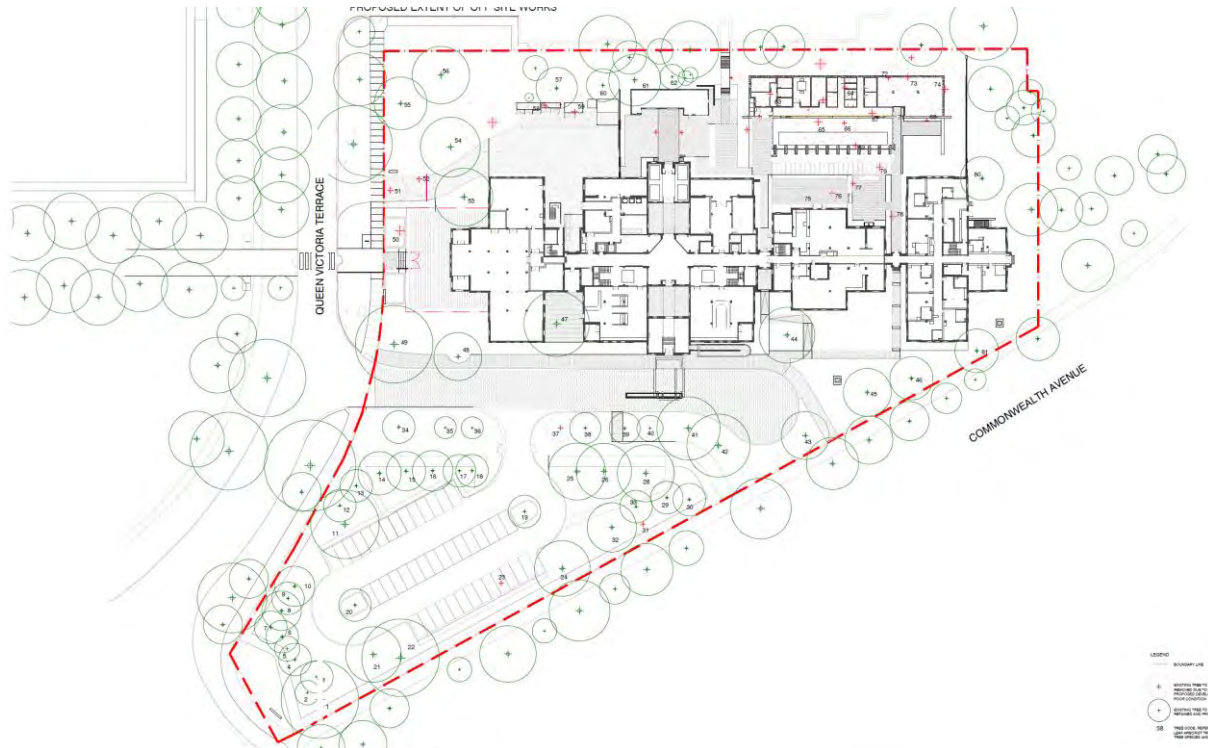


Figure 1 Construction Plan

Indicated from the Construction plan, the trees that are to be retained and protected close to the proposed re-development are.

Protected Trees

| Tree # | Species | Recommended Actions | Life Stage |
|--------|-------------------------------|---------------------|-------------|
| 45 | <i>Fraxinus sp</i> | Tree Protection | Mature |
| 46 | <i>Fraxinus sp</i> | Tree Protection | Semi Mature |
| 48 | <i>Cupressus arizonica</i> | Tree Protection | Mature |
| 49 | <i>Cupressus arizonica</i> | Tree Protection | Mature |
| 53 | <i>Eucalyptus sideroxylon</i> | Tree Protection | Mature |
| 55 | <i>Cupressus arizonica</i> | Tree Protection | Mature |
| 61 | <i>Eucalyptus sideroxylon</i> | Tree Protection | Mature |
| 80 | <i>Eucalyptus mannifera</i> | Tree Protection | Mature |
| 81 | <i>Eucalyptus sideroxylon</i> | Tree Protection | Mature |

Trees to be Protected and Supported



Figure 2 Significant Sequoiadendron giganteum to be soil conditioned and regularly watered. T1.



Figure 3 Row of oaks to be soil conditioned, regularly watered and formative pruned.



Figure 4 Large Arizona Cypress on each side of the proposed entrance to be protected and supported. T56 and T49





Figure 5 Red Iron bark to be protected. T53



Figure 6 Example of appropriate Breathing Root Zone Area after TPZ is removed.

Proposed Tree Removal

Proposed trees to be removed are predominately on the east side of the building. GEOCON has identified significant trees that conflict with the proposed design, with historic value and in good condition. The large Poplar (*Populus nigra 'Italica'*) Tree 50 at the entrance is senescent (very old), with a large percentage of its canopy dead or in decline. The Arizona cypress (*Cupressus arizonica*) are commonly used throughout the ACT. A percentage of these trees having low amenity usage, in poor to fair health and structure and in early maturity.

| Tree # | Species | Recommended Actions | Life Stage |
|--------|--------------------------------|---------------------|-------------|
| 50 | <i>Populus nigra 'Italica'</i> | Removal | Mature |
| 51 | <i>Eucalyptus sideroxylon</i> | Removal | Mature |
| 52 | <i>Crategus sp</i> | Removal | Mature |
| 54 | <i>Cupressus arizonica</i> | Retain | Mature |
| 56 | <i>Eucalyptus melliodora</i> | Removal | Semi Mature |
| 57 | <i>Eucalyptus melliodora</i> | Retain | Semi Mature |
| 60 | <i>Eucalyptus sideroxylon</i> | Retain | Mature |
| 62 | <i>Fraxinus sp</i> | Removal | Semi Mature |
| 63 | <i>Eucalyptus melliodora</i> | Removal | Mature |
| 64 | <i>Eucalyptus melliodora</i> | Removal | Mature |

| | | | |
|----|-------------------------------|---------|-------------|
| 65 | <i>Eucalyptus mannifera</i> | Removal | Semi Mature |
| 66 | <i>Eucalyptus melliodora</i> | Removal | Semi Mature |
| 67 | <i>Eucalyptus blakleii</i> | Removal | Semi Mature |
| 68 | <i>Eucalyptus mannifera</i> | Removal | Semi Mature |
| 69 | <i>Eucalyptus mannifera</i> | Removal | Semi Mature |
| 70 | <i>Eucalyptus mannifera</i> | Removal | Semi Mature |
| 71 | <i>Eucalyptus mannifera</i> | Removal | Semi Mature |
| 72 | <i>Eucalyptus melliodora</i> | Removal | Semi Mature |
| 73 | <i>Eucalyptus sideroxylon</i> | Removal | Mature |
| 74 | <i>Eucalyptus sideroxylon</i> | Removal | Semi Mature |
| 75 | <i>Gleditsia sp</i> | Removal | Semi Mature |
| 76 | <i>Gleditsia sp</i> | Removal | Semi Mature |
| 77 | <i>Gleditsia sp</i> | Removal | Semi Mature |
| 78 | <i>Ulmus procera</i> | Removal | Semi Mature |
| 79 | <i>Eucalyptus sideroxylon</i> | Removal | Mature |
| 37 | <i>Ulmus sp</i> | Removal | Mature |
| 47 | <i>Fraxinus sp</i> | Removal | Semi Mature |

DISCUSSION

All assumptions of tree impacts are based on drawings, maps and conversations with representatives from GEOCON and observations made while collecting information for this report.

The erection of the required site hoarding should be considered minor works for the Protected Trees. Non-destructive digging techniques and the preferred methods for completing excavations within Tree Protection Zones (TPZ).

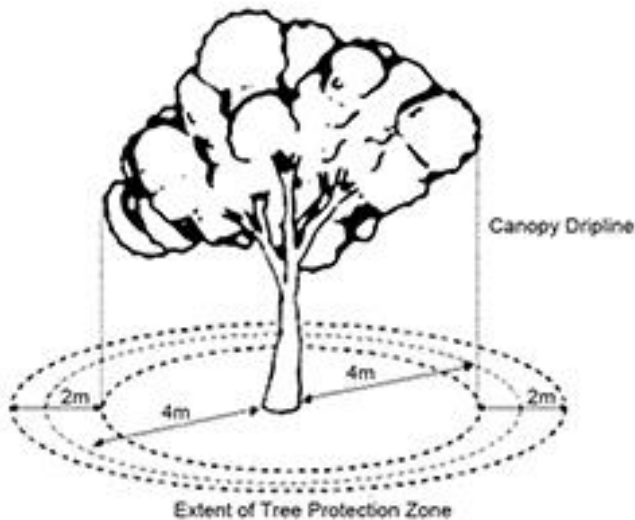
All required TPZ and SRZ (Structural Root Zone) measurements and recommendations can be added to this dynamic report after the appropriate approvals and designs are finalised.

Required excavation should be carried out with Hydro excavation to minimise disturbance to roots.

In conversation with the Landscape design team Trees 48, 49 and 53 are proposed to be mulched, with minimal planting and disturbance. The driveway here will be utilising the existing hard standing under 53 and the footpath will be in the same location as the existing. 80 (45 & 46) are showing a low brick, free-standing wall and paving within the TPZ area. Pier and beam style wall is recommended to minimise any excavation here.

According to the *Tree Protection Act 2005*, the TPZ for a Protected Tree is:

- the area under the canopy of the tree; and
- the 2m wide area surrounding the vertical projection of the canopy (drip line); and
- the 4m wide area surrounding the trunk as measured at 1m above natural ground level.



Activities restricted within the TPZ:

- Machine excavation, including trenching
- Storage
- Preparation of chemicals, including preparation of cement products
- Parking of vehicles and plant
- Refuelling
- Dumping of waste
- Wash down and cleaning of equipment
- Placement of fill
- Lighting of fires
- Soil level changes
- Installation of utilities and signs
- Physical damage to the tree.

Usually, the TPZ is to be mulched to a minimum depth of 150mm and a continuous 1800mm high chain wire fence is to be erected at the extent of the TPZ.

Trunk protection can be installed on the Protected Trees to help prevent accidental damage or wounding to the trees' trunks. If painted in high visibility colours, this protection can also make the tree noticeable to workers, further reducing the risk for accidental damage. This may be required on all 9 trees identified for protection.



Figure 7. Example of trunk protection

RECOMMENDATIONS

1. Apply tree protection measures for landscaping works around mature trees and where trees may be impacted by the redevelopment of the West Block building.
2. All required excavation should be carried out with Hydro excavation to minimise disturbance to roots.
3. Works recommended in the Gold Leaf Tree Assessment and Condition Report June 2018 are completed to improve the health and presentation of the trees. The works include the removal of dead trees, formative pruning, dead-wooding, pruning trees from buildings and soil rehabilitation for retained trees.
4. Pier and beam style wall is recommended to minimise any excavation for Trees 80,45 & 46. (TBC on plan approval).
5. Trunk protection can be installed on the Protected Trees to help prevent accidental damage or wounding to the retained trees. If painted in high visibility colours, this protection can also make the tree noticeable to workers, further reducing the risk for accidental damage.

6. All protected trees are to each be watered a minimum of 300Lt monthly, receive soil conditioning treatments annually of 300Lt *(Gold Leaf Blend recommended) and be mulched to a level of 150mm, with each tree allocated appropriate protected root zone area. *(Our pesticide-free soil conditioner improves tree health by boosting its energy storage and production and nutrient availability. The conditioner promotes soil life and improves the soil's water-holding capacity and nutrient availability.
7. All required TPZ and SRZ measurements and recommendations can be added to this dynamic report after the appropriate approvals and designs are finalised.
8. Trees 48, 49 and 53 are proposed to be mulched, with minimal planting and disturbance. The driveway here will be utilising the existing hard standing under T53 and the footpath will be in the same location as the existing.

CONTACT

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APPENDIX 2 - DEFINITIONS

Table 1 - Health definition

| Term | Definition |
|------------------|---|
| Excellent | The tree is demonstrating excellent or exceptional growth. The tree should exhibit a full canopy of foliage and be free of pest and disease problems. |
| Good | The tree is demonstrating good or exceptional growth. The tree should exhibit a full canopy of foliage and have only minor pest and disease problems. |
| Fair | The tree is in reasonable condition and growing well. The tree should exhibit an adequate canopy of foliage. There may be some dead wood present in the crown. Some grazing by insects or possums may be evident. |
| Poor | The tree is not growing to its full capacity. The canopy may be thinning or sparse. Large amounts of dead wood may be evident throughout the crown. Significant pest and disease problems may be evident or symptoms of stress indicating tree decline. |
| Very Poor | The tree appears to be in a state of decline. The tree is not growing to its full capacity. The canopy may be very thin and sparse. A significant volume of dead wood may be present in the canopy or pest and disease problems may be causing a severe decline in tree health. |
| Dead | The tree is dead. |

Table 2 - Structure definition

| Term | Definition |
|------------------|---|
| Good | The tree has a well-defined crown. Branch unions appear to be strong, with no defects evident in the trunk or the branches. Major limbs are well defined. The tree is considered a good example of the species. |
| Fair | The tree has some minor problems in the structure if the crown. The crown may be slightly out of balance, and some branch unions may be exhibiting minor structural faults. If the tree has a single trunk, it may be on slight lean or exhibiting minor defects. |
| Poor | The tree may have a poorly structured crown. The crown may be unbalanced or exhibit large gaps. Major limbs may not be well defined. Branches may be rubbing or crossing over. Branch unions may be poor or faulty at the point of attachment. The tree may have suffered root damage. |
| Very Poor | The tree has a poorly structured crown. The crown is unbalanced or exhibits large gaps with possibly large sections of dead wood. Major limbs may not be well defined. Branches may be rubbing or crossing over. Branch unions may be poor or faulty at the point of attachment. Branches may exhibit large cracks that are likely to fail in the future. The tree may have suffered major root damage. |
| Failed | The tree has a very poorly structured crown. A section of the tree has failed or is imminent danger of failure. |