

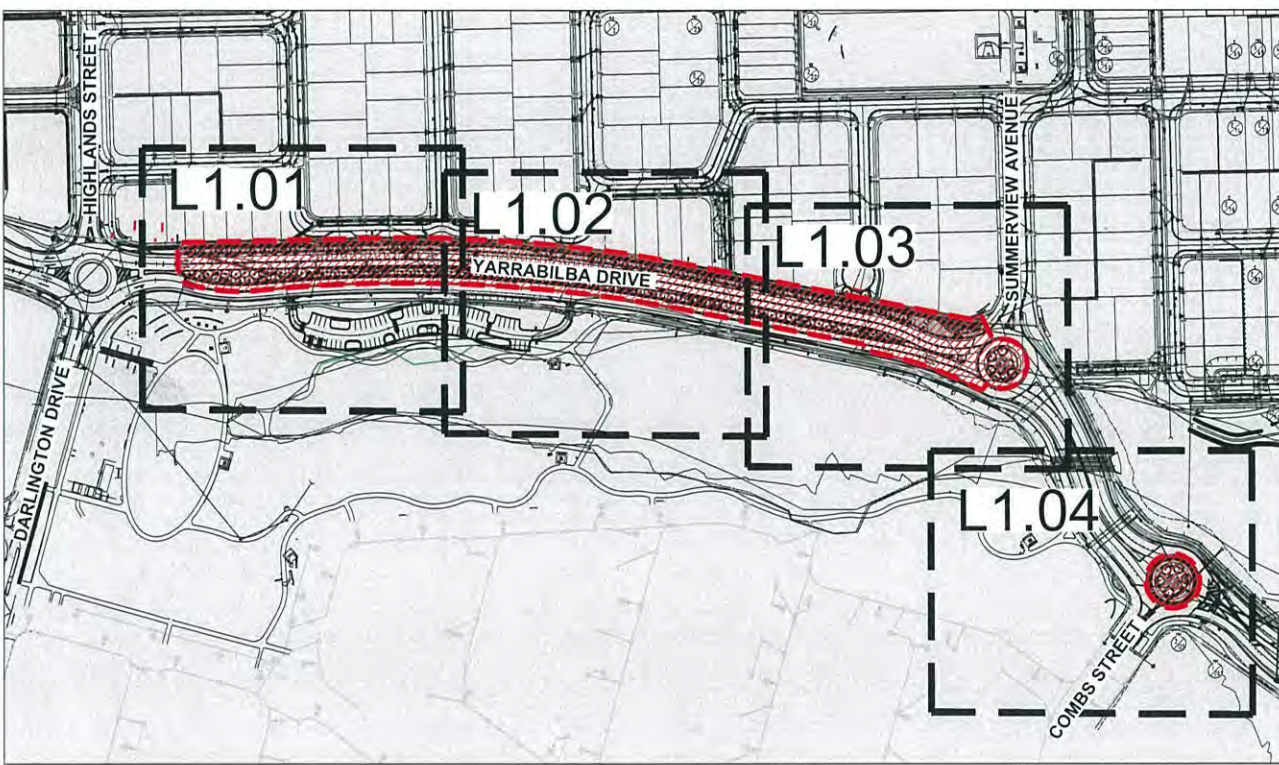
# YARRABILBA DRIVE DUPLICATION

## YARRABILBA

### LANDSCAPE DOCUMENTATION

Issue: PRELIMINARY  
Date: 21-03-2018

SHEET PLAN 1:2000



#### GENERAL NOTES

1. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE LANDSCAPE SPECIFICATION. REFER TO YARRABILBA PRECINCT 2 - VILLAGE 3 STREETSCAPE WORKS LANDSCAPE SPECIFICATION.
2. REFER TO ENGINEERS' DRAWINGS FOR FINISHED SURFACE LEVELS. NEW FINISHED SURFACES ARE TO ALIGN FLUSH WITH EXISTING SURFACE LEVELS.
3. REFER TO ENGINEERS' DRAWINGS FOR PATH AND KERB CROSSOVER SETTING OUT.
4. REFER TO ENGINEERS' DRAWINGS FOR SERVICE LOCATIONS ON SITE PRIOR TO ANY CONSTRUCTION. TREES TO BE LOCATED MIN 1.5M FROM SERVICES. ALL SERVICES ARE INDICATIVE ONLY.
5. REFER TO ENGINEERS' DRAWINGS FOR JOINTING, STRUCTURAL FIXINGS AND REINFORCEMENTS IN PAVEMENT.
6. REFER TO CIVIL ENGINEERS' DRAWINGS FOR ALL CONDUITING AND SUB-SURFACE DRAINAGE.
7. REFER TO ENGINEERS' DRAWINGS FOR ALL LIGHTING ELEMENTS.
8. FINAL SETOUT FOR ALL LANDSCAPE TREATMENTS TO BE CONFIRMED ON SITE BY THE YARRABILBA LANDSCAPE MANAGER.

#### Drawing Schedule

| DWG No. | DWG Title         |
|---------|-------------------|
| L0.00   | COVER SHEET       |
| L0.01   | PLANT SCHEDULE    |
| L0.02   | RISK REGISTER     |
| L1.01   | LANDSCAPE PLAN    |
| L1.02   | LANDSCAPE PLAN    |
| L1.03   | LANDSCAPE PLAN    |
| L1.04   | LANDSCAPE PLAN    |
| L3.01   | LANDSCAPE DETAILS |
| L3.02   | LANDSCAPE DETAILS |
| L3.03   | LANDSCAPE DETAILS |

#### LEGENDS

##### LANDSCAPE TREATMENT LEGEND

- NEW SHRUB PLANTING - REFER DETAIL 01/L3.03 AND LANDSCAPE PLANS.
- NEW SHRUB PLANTING - REFER DETAIL 01/L3.03 AND LANDSCAPE PLANS.
- TYPICAL PLANTING AREA - REFER DETAIL 01/L3.03 AND LANDSCAPE PLANS.
- NEW TURF OVER TOPSOIL & CULTIVATED SUBGRADE AS SPECIFIED - REFER DETAIL 02/L3.03.
- EXTENT OF WORKS LINE
- GREYED AREAS ARE NOT PART OF WORKS

##### TREE LEGEND

- EXISTING TREE TO BE RETAINED AND PROTECTED. LOCATION OF TREE IS INDICATIVE ONLY AND IS TO BE CONFIRMED ON SITE. REFER DETAIL 06/L3.03.
- TREE IN PLANTING BED. REFER TO DETAIL 01/L3.02 AND LANDSCAPE PLANS.
- TREE BEHIND HARDSTAND IN TURF. TREE OFFSET 1000mm FROM HARDSTAND IN 1600mm WIDTH MULCH COLLAR. REFER TO DETAIL 02/L3.02 AND LANDSCAPE PLANS.

#### IMPORTANT NOTE:

1. This plan was prepared for the sole purposes of the client for the specific purpose of landscape documentation. This plan is strictly limited to the Purpose and does not apply directly or indirectly and will not be used for any other application, purpose, use or matter. The plan is presented without the assumption of a duty of care to any other person (other than the Client) ("Third Party") and may not be relied on by Third Party.
2. RPS Australia East Pty Ltd will not be liable (in negligence or otherwise) for any direct or indirect loss, damage, liability or claim arising out of or incidental to:
  - a. a Third Party publishing, using or relying on the plan;
  - b. RPS Australia East Pty Ltd relying on information provided to it by the Client or a Third Party where the information is incorrect, incomplete, inaccurate, out-of-date or unreasonable;
  - c. any inaccuracies or other faults with information or data sourced from a Third Party;
  - d. RPS Australia East Pty Ltd relying on surface indicators that are incorrect or inaccurate;
  - e. the Client or any Third Party not verifying information in this plan where recommended by RPS Australia East Pty Ltd;
  - f. lodgement of this plan with any local authority against the recommendation of RPS Australia East Pty Ltd;
  - g. the accuracy, reliability, suitability or completeness of any approximations or estimates made or referred to by RPS Australia East Pty Ltd in this plan.
3. Without limiting paragraph 1 or 2 above, this plan may not be copied, distributed, or reproduced by any process unless this note is clearly displayed on the plan.
4. The dimensions, area, size and location of improvements, flood information (if shown) and number of lots shown on this plan are approximate only and may vary.
5. Scale shown is correct for the original plan and any copies of this plan should be verified by checking against the bar scale.
6. Cadastral boundaries are obtained by title dimensions and digitising from existing cadastral maps. These boundaries have not been verified and are approximate only.
7. Refer to Engineer's drawings for finished surface levels unless shown on Landscape drawings. Retain existing levels to buildings and adjacent surfaces except where instructed by the Landscape Architect. All new finished surfaces are to align flush with existing surface levels.
8. Refer to Civil Engineer's drawings for path and kerb crossover setting out.
9. Refer to Civil Engineer's drawings for service locations. All services are to be verified on site prior to any excavation / construction. Trees to be located minimum 1.5m from services. All services are indicative only.
10. Final set-out for all landscape treatments to be confirmed on site by the Landscape Architect.
11. Unless shown on the landscape drawings, refer Structural Engineer's drawings for jointing, reinforcement, structural fixings etc for all walls and pavements.
12. All trees marked within / adjacent to vehicle sightlines are to be set out on site prior to installation and approved by the Landscape Architect and Traffic Engineer.
13. For Lighting requirements refer Electrical Engineers drawings.
14. The Contractor shall review the plant schedule to ensure that plans and schedules concur. If discrepancies may exist, the plans shall take precedence over the plant schedule.

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PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2018/928  
Date: 24 April 2018



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|                  |                                         |
|------------------|-----------------------------------------|
| client           | LEND LEASE                              |
| project name     | YARRABILBA DRIVE DUPLICATION            |
| project location | YARRABILBA                              |
| title            | COVER SHEET                             |
| 1:2000           | 0m 20 40 60 80 100 120 140 160 180 200m |
| project number   | 116660-12-CD-YBD-DUP                    |
| drawing number   | L0.00                                   |
| rev              | 02                                      |

CERTIFIED  
26.3.18



PLANT SCHEDULE

| CODE                     | BOTANICAL NAME                | COMMON NAME         | MIN POT SIZE | CATEGORY | SPACING                       | STAKE/GUY | QTY  |
|--------------------------|-------------------------------|---------------------|--------------|----------|-------------------------------|-----------|------|
| TREES                    |                               |                     |              |          |                               |           |      |
| ANG lei                  | ANGOPHORA LEIOCARPA           | SMOOTH BARKED APPLE | 25 Litre     | A        | -                             | Y         | 10   |
| ARA cun 400L             | ARAU CARIA CUNNINGHAMII       | HOOP PINE           | 400 Litre    | A        | -                             | Y         | 2    |
| ARA cun 100L             | ARAU CARIA CUNNINGHAMII       | HOOP PINE           | 100 Litre    | A        | -                             | Y         | 7    |
| ARA cun 45L              | ARAU CARIA CUNNINGHAMII       | HOOP PINE           | 45 Litre     | A        | -                             | Y         | 10   |
| BRA ace                  | BRACHYCHITON ACERIFOLIUS      | FLAME TREE          | 100 Litre    | A        | -                             | Y         | 12   |
| BUC cel                  | BUCKINGHAMIA CELSISSIMA       | IVORY CURL          | 45 Litre     | A        | -                             | Y         | 11   |
| COR cit                  | CORYMBIA CITRIODORA           | LEMON SCENTED GUM   | 25 Litre     | A        | -                             | Y         | 10   |
| COR ter                  | CORYMBIA TERETICORNIS         | FOREST RED GUM      | 25 Litre     | A        | -                             | Y         | 8    |
| COR tes                  | CORYMBIA TESSELLARIS          | MORETON BAYASH      | 25 Litre     | A        | -                             | Y         | 8    |
| EUC mic                  | EUCALYPTUS MICROCORYS         | TALLOWOOD           | 25 Litre     | A        | -                             | Y         | 9    |
| GRE rob                  | GREVILLEA ROBUSTA             | SILKY OAK           | 45 Litre     | A        | -                             | Y         | 13   |
| LOP sua                  | LOPHOSTEMON SUAVEOLENS        | SWAMP MAHOGANY      | 45 Litre     | A        | -                             | Y         | 12   |
| SHRUBS                   |                               |                     |              |          |                               |           |      |
| BAE min                  | BAECKEA VIRGATA 'MINI'        | MINI BAECKEA        | 200mm        | -        | MIN 0.3M HIGH X 0.3M SPREAD   | 3/sqm     | 973  |
| BAN col                  | BANKSIA SPINULOSA 'COLLINA'   | HARPIN BANKSIA      | 200mm        | -        | MIN 0.3M HIGH X 0.3M SPREAD   | 3/sqm     | 973  |
| DOR pal                  | DORYANTHES PALMERI            | GIANT SPEAR LILY    | 200mm        | -        | MIN 400MM HIGH X 400MM SPREAD | -         | 44   |
| LEP LB                   | LEPTOSPERMUM 'LITTLE BUN'     | LEPTOSPERMUM        | 200mm        | -        | MIN 0.3M HIGH X 0.3M SPREAD   | 3/sqm     | 447  |
| MYO ell                  | MYOPORUM ELLIPTICUM           | MYOPORUM            | 200mm        | -        | MIN 0.2M HIGH X 0.2M SPREAD   | 3/sqm     | 973  |
| WES zen                  | WESTRINGIA FRUTICOSA 'ZENITH' | COASTAL ROSEMARY    | 200mm        | -        | MIN 0.3M HIGH X 0.3M SPREAD   | 3/sqm     | 973  |
| XAN joh                  | XANTHORRHOEA JOHNSONII        | GRASS TREE          | 300mm        | -        | MIN 500MM T RUNK HEIGHT       | -         | 42   |
| GROUNDCOVERS AND GRASSES |                               |                     |              |          |                               |           |      |
| LIR EG                   | LIRIOPE 'EVERGREEN GIANT'     | TURF LILY           | 140mm        | -        | MIN 0.3M HIGH X 0.3M SPREAD   | 4/sqm     | 800  |
| LOM hys                  | LOMANDRA HYSTRIX              | GREEN MATRUSH       | 140mm        | -        | MIN 0.3M HIGH X 0.3M SPREAD   | 4/sqm     | 595  |
| PEN alo                  | PENNISETUM ALOPECUROIDES      | SWAMP FOXTAIL       | 140mm        | -        | MIN 0.2M HIGH X 0.2M SPREAD   | 4/sqm     | 595  |
| PHY myr                  | PHYLANTHUS MYRTIFOLIUS        | CEYLON MYRTLE       | 140mm        | -        | MIN 0.2M HIGH X 0.2M SPREAD   | 4/sqm     | 1296 |

NOTE:

- THE CONTRACTOR MUST REVIEW THE PLANT SCHEDULES TO ENSURE THAT DRAWINGS AND SCHEDULES CONCUR. IF INSUFFICIENT DETAIL OR DISCREPANCIES EXIST ON EITHER THE PLANS OR THE SCHEDULES, IT IS THE CONTRACTORS RESPONSIBILITY TO RESOLVE IMMEDIATELY WITH THE LANDSCAPE ARCHITECT PRIOR TO PROVIDING TENDER PRICING, SIGNING WORK CONTRACTS OR COMMENCEMENT OF WORKS.
- WHEN PLANTING A MIX OF SHRUBS AND GROUNDCOVERS, MAKE SURE EACH SPECIES IS LOCATED IN GROUPINGS OF 5-12 OF THE SAME SPECIES.
- ALL PLANT STOCK MUST BE MADE AVAILABLE FOR INSPECTION BY THE YARRABILBA LANDSCAPE MANAGER PRIOR TO INSTALL. CRITERIA FOR BOTH ABOVE-GROUND AND BELOW GROUND ASSESSMENT WILL BE IN ACCORDANCE WITH AS2303:2015. THE CONTRACTOR MUST ENSURE AT LEAST ONE PLANT PER SPECIES IS CLEARLY LABELLED AND VISIBLE FOR THE INSPECTION.

PA1 TREE STOCK - SIZE AT INSTALL

| CONTAINER VOLUME | SIZE INDEX RANGE | INDICATIVE HEIGHT x CALLIPER |             |              |
|------------------|------------------|------------------------------|-------------|--------------|
|                  |                  | CATEGORY A                   | CATEGORY B  | CATEGORY C   |
| 25L              | 31-45            | 2.0m x 18mm                  | 1.7m x 22mm | 1.3m x 25mm  |
| 45L              | 51-75            | 2.4m x 30mm                  | 2.0m x 35mm | 1.6m x 42mm  |
| 100L             | 102-150          | 3.3m x 40mm                  | 2.7m x 45mm | 2.2m x 55mm  |
| 200L             | 185-272          | 4.4m x 55mm                  | 3.8m x 65mm | 3.0m x 75mm  |
| 400L             | 330-494          | 5.2m x 75mm                  | 4.5m x 85mm | 3.8m x 100mm |

THE TABLE IS DERIVED FROM AS2303:2015 TREE STOCK FOR LANDSCAPE USE.

ALL TREE STOCK MUST COMPLY WITH THE SIZE INDEX RANGE. THE SIZE INDEX RANGE IS A NUMERICAL EXPRESSION OF THE PHYSICAL ABOVE GROUND SIZE OF THE TREE. IT IS CALCULATED BY MULTIPLYING THE HEIGHT (IN METRES) OF THE TREE STOCK, FROM THE UPPERMOST SURFACE OF THE ROOT CROWN TO THE TOP OF THE STEM BY THE CALLIPER (IN MILLIMETRES).

THE INDICATIVE HEIGHT x CALLIPER PROVIDES GUIDANCE ON TREE STOCK HEIGHT AND CALLIPER MEASUREMENTS. THIS IS A GUIDE ONLY AND VARIATIONS WILL OCCUR BETWEEN SPECIES AND GROWING CONDITIONS.

TREE STOCK HAVE BEEN SPLIT INTO THREE CATEGORIES:  
CATEGORY A = TALL SLENDER GROWING SPECIES  
CATEGORY B = GENERAL SPECIES  
CATEGORY C = STOCKIER / THICK STEMMED SPECIES

PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2018/928

Date: 24 April 2018



NOT FOR CONSTRUCTION

|         |              |            |       |       |
|---------|--------------|------------|-------|-------|
| 02      | FOR APPROVAL | 26/03/2018 | SC    | DC    |
| 01      | PRELIMINARY  | 21/03/2018 | ME    | DC    |
| rev. no | description  | date       | drawn | appr. |

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|                  |                              |
|------------------|------------------------------|
| client           | LEND LEASE                   |
| project name     | YARRABILBA DRIVE DUPLICATION |
| project location | YARRABILBA                   |
| title            | PLANT SCHEDULE               |
| not to scale     | NOT TO                       |
| project number   | 116660-12-CD-YBD-DUP         |
| drawing number   | L0.01                        |
| rev              | 02                           |
| northpoint       |                              |



RISK REGISTER

| #         | ACTICITY                                             | RISK                                                                                                                                             | CURRENT RISK |   |   | RISK CONTROL MEASURE                                                                                                                                                       | RESIDUAL RISK |   |   | RESPONSIBLE         |
|-----------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---|---|---------------------|
|           |                                                      |                                                                                                                                                  | L            | C | R |                                                                                                                                                                            | L             | C | R |                     |
| GENERAL   |                                                      |                                                                                                                                                  |              |   |   |                                                                                                                                                                            |               |   |   |                     |
| 1         | EDGE PROTECTION                                      | FALL FROM HEIGHT FROM WALL/LANDSCAPE ELEMENT                                                                                                     | 2            | B | H | PROVIDE FALL PROTECTION TO FALL HEIGHTS IN EXCESS OF 1000MM                                                                                                                | 5             | B | S | DESIGNER            |
| 2         | UNKNOWN SERVICES NOT IDENTIFIED ON DRAWINGS          | CONFLICTS WITH EXISTING SERVICES -PERSONAL INJURY, ECONOMIC OUTLAY, PROGRAMME DELAYS                                                             | 3            | A | H | CONSTRUCTION WHS PLAN TO COVER EXCAVATION WORKS. CONTACT DIAL BEFORE YOU DIG BEFORE COMMENCING WORKS                                                                       | 4             | A | H | CONTRACTOR          |
| 3         | AIRBORNE PARTICLES (SOIL, DUST AND ,MULCH)           | HAZARD TO PUBLIC AND CONSTRUCTION PERSONAL FROM INHALING AIRBORNE DUST PARTICLES                                                                 | 1            | C | H | ALL WORK TO BE CARRIED OUT UNDER EPA GUIDE                                                                                                                                 | 4             | C | M | CONTRACTOR          |
| 4         | NOISE EMISSION                                       | NOISE IMPACTING RESIDENTS AND BUSINESSES                                                                                                         | 1            | E | S | ALL WORK TO BE CARRIED OUT UNDER EPA GUIDE                                                                                                                                 | 3             | E | L | CONTRACTOR          |
| 5         | UNAUTHORISED PUBLIC ACCESS DURING CONSTRUCTION       | INJURY TO PUBLIC RESULTING FROM CONFLICTS WITH CONSTRUCTION MACHINERY AND WORKS                                                                  | 2            | C | H | PROVIDE PEDESTRIAN FENCING TO ALL EXISTING SITE ACCESS POINTS                                                                                                              | 4             | C | M | CONTRACTOR          |
| 6         | LOCAL TRAFFIC CONGESTION                             | CONGESTION IN LOCAL STREETS DUE TO CONSTRUCTION RELATED ACTIVITY                                                                                 | 2            | E | M | IMPLEMENT A TRAFFIC MANAGEMENT PLAN                                                                                                                                        | 3             | E | L | CONTRACTOR          |
| 7         | MANUAL HANDLING                                      | INJURY CAUSED BY LIFTING HEAVY OBJECTS                                                                                                           | 3            | B | H | CONSTRUCTION WHS PLAN TO COVER MANUAL HANDLING                                                                                                                             | 4             | B | S | CONTRACTOR          |
| SOFTSCAPE |                                                      |                                                                                                                                                  |              |   |   |                                                                                                                                                                            |               |   |   |                     |
| 1         | OPEN TRENCHES AND HOLES                              | INJURY CAUSED BY WORKING IN UNSHORED TRENCHES AND ADVANCED TREE PITS                                                                             | 3            | C | H | HOLES TO BE BARRICADED OR COVERED AND SECURED                                                                                                                              | 4             | C | M | CONTRACTOR          |
| 2         | CEPTD                                                | LACK OF VISUAL SURVEILLANCE                                                                                                                      | 3            | B | H | SPECIFY SHRUBS NO GREATER THAN 1M HIGH, CLEAR LINE OF SIGHT WHERE DEEMED NECESSARY CLEAR TRUNK                                                                             | 4             | B | S | DESIGNER            |
| 3         | WEED ERADICATION                                     | USE OF HAZARDOUS SUBSTANCES                                                                                                                      | 3            | E | L | CONSTRUCTION BASED WHS PLAN FOR LANDSCAPE MAINTENANCE WORKS                                                                                                                | 4             | E | L | CONTRACTOR          |
| 4         | CRANE MACHINE OPERATION FOR ADVANCED TREES           | INJURY TO CONSTRUCTION WORKERS FROM FALLING OBJECTS. INJURY TO WORKERS FROM COLLISIONS WITH OVERHEAD POWERLINES AND OTHER CONSTRUCTION MACHINERY | 2            | B | H | PROTECT BOUNDARIES, EXISTING INFRASTRUCTURE AND IDENTIFY OVERHEAD DANGERS PRIOR TO OPERATION. CONSTRUCTION BASED WHS PLAN TO COVER USE OF CRANE MACHINERY                  | 4             | B | S | CONTRACTOR          |
| 5         | FIRE ANTS                                            | CONTAMINATION OF SITE FROM MATERIAMS BROUGHT ONTO SITE                                                                                           | 2            | B | H | SPECIFICATION TO INDICATE ALL IMPORTED ITELS BROUGHT ONTO SITE TO BE FIRE ANT FREE. CONTRACTOR TO ENSURE ALL MATERIAL TO BE FIRE ANT FREE PRIOR TO BEEN BROUGHT ON TO SITE | 3             | B | H | CONTRACTOR          |
| 6         | POISONOUS OR DANGEROUS PLANTS INCLUDED IN THE DESIGN | INJURY FROM INGESTION OR CONTACT WITH POISONOUS PLANTS                                                                                           | 2            | E | M | DO NOT INCLUDE ANY POISONOUS PLANTS OR SHARP LEAVED PLANTS ADJACENT PEDESTRIAN WALKWAY AREAS.                                                                              | 5             | E | L | DESIGNER            |
| HARDSCAPE |                                                      |                                                                                                                                                  |              |   |   |                                                                                                                                                                            |               |   |   |                     |
| 1         | HARDSTAND FINISHES                                   | TRIP/ FALL HAZARD DUE TO SURFACE FINISH                                                                                                          | 3            | E | L | DESIGN, SPECIFY AND INSTALL BROOM FINISHED SURFACES TO SIT LEVEL WITH ADJACENT GROUND.                                                                                     | 4             | E | L | DESIGNER/CONTRACTOR |
| 2         | PAVEMENT CRACKING DUE TO MACHINE OPERATION           | TRIP HAZARD                                                                                                                                      | 3            | D | M | CONSTRUCTION SEQUENCE TO NOMINATE NO HEAVY MACHINERY OPERATION IN PAVED AREAS                                                                                              | 4             | D | L | CONTRACTOR          |

RISK ASSESSMENT

|                                                                                                                                                                                                                                 |                                                       |                |                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------|
| SELECT ONE CATAGORY FROM EACH OF THE COLUMNS BELOW THAT THE BEST REPRESENTS THE LIKELY OUTCOME IF THE POTENTIAL HAZARD ACTUALL DID OCCUR. FOR EACH CONSEQUENCE CONSIDER THE MOST LIKELY OUTCOME AND NOT THE ABSOLUTE WORST CASE |                                                       |                |                                                                                                                    |
| CONSEQUENCE (C)                                                                                                                                                                                                                 |                                                       | LIKELIHOOD (L) |                                                                                                                    |
| A                                                                                                                                                                                                                               | DEATH - MAJOR ENVIRONMENTAL DAMAGE                    | 1              | CERTIAN - MEANS AN EVENT OR SITUATION THAT IS HAPPENING MORE OR LESS ALL THE TIME, INCLUDING CONTINUOUS SITUATIONS |
| B                                                                                                                                                                                                                               | PERMANENT DISABILITY - SEVERE ENVIRONMENTAL DAMAGE    | 2              | PROBABLE - MEANS AN EVENT OR SITUATION THAT OCCURS OR IS LIKELY TO OCCUR ABOUT TEN TIMES OR MORE PER YEAR          |
| C                                                                                                                                                                                                                               | LOST TIME INJURY - MODERATE ENVIRONMENTAL DAMAGE      | 3              | POSSIBLE - MEANS AN EVENT OR SITUATION THAT OCCURS OR IS LIKELY TO OCCUR ABOUT ONCE PER YEAR                       |
| D                                                                                                                                                                                                                               | MEDICAL TREATMENT INJURY - MINOR ENVIRONMENTAL DAMAGE | 4              | UNLIKELY - MEANS AN EVENT OR SITUATION THAT OCCURS OR IS LIKELY TO OCCUR LESS FREQUENTLY THAN ONCE EVERY TEN YEARS |
| E                                                                                                                                                                                                                               | FIRST AID TREATMENT                                   | 5              | VERY UNLIKELY - MEANS AN EVENT OR SITUATION THAT MAY OCCUR IN RARE INSTANCES                                       |

RISK MATRIX

|   | A | B | C | D | E |
|---|---|---|---|---|---|
| 1 | H | H | H | S | S |
| 2 | H | H | S | S | M |
| 3 | H | H | S | M | L |
| 4 | H | S | M | L | L |
| 5 | S | S | M | L | L |

|                       |                  |
|-----------------------|------------------|
| H: HIGH RISK          | M: MODERATE RISK |
| S: SIGNINIFICANT RISK | L: LOW RISK      |

NOT FOR CONSTRUCTION

|         |             |            |       |       |
|---------|-------------|------------|-------|-------|
| 01      | PRELIMINARY | 21/03/2018 | ME    | DC    |
| rev. no | description | date       | drawn | app'r |

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|                  |                                                                                       |
|------------------|---------------------------------------------------------------------------------------|
| client           | LEND LEASE                                                                            |
| project name     | YARRABILBA DRIVE DUPLICATION                                                          |
| project location | YARRABILBA                                                                            |
| title            | RISK REGISTER                                                                         |
| not to scale     | NOT TO                                                                                |
| project number   | 116660-12-CD-YBD-DUP                                                                  |
| drawing number   | L0.02                                                                                 |
| rev              | 01                                                                                    |
| northpoint       |  |

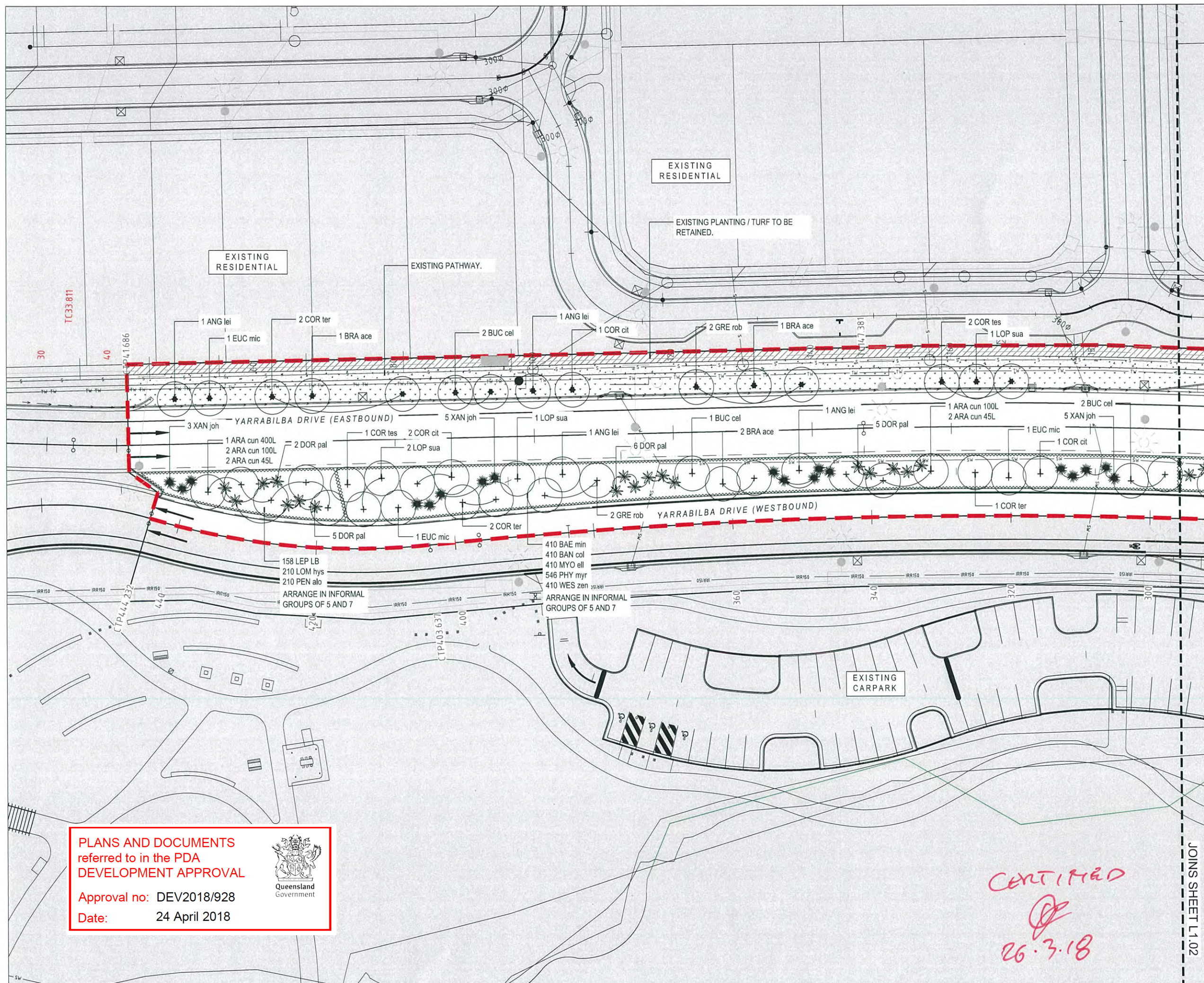
PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2018/928

Date: 24 April 2018







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|                  |                              |
|------------------|------------------------------|
| client           | LEND LEASE                   |
| project name     | YARRABILBA DRIVE DUPLICATION |
| project location | YARRABILBA                   |
| title            | LANDSCAPE PLAN               |
| scale            | 1:250                        |
| project number   | 116660-12-CD-YBD-DUP         |
| drawing number   | L1.01                        |
| rev              | 02                           |

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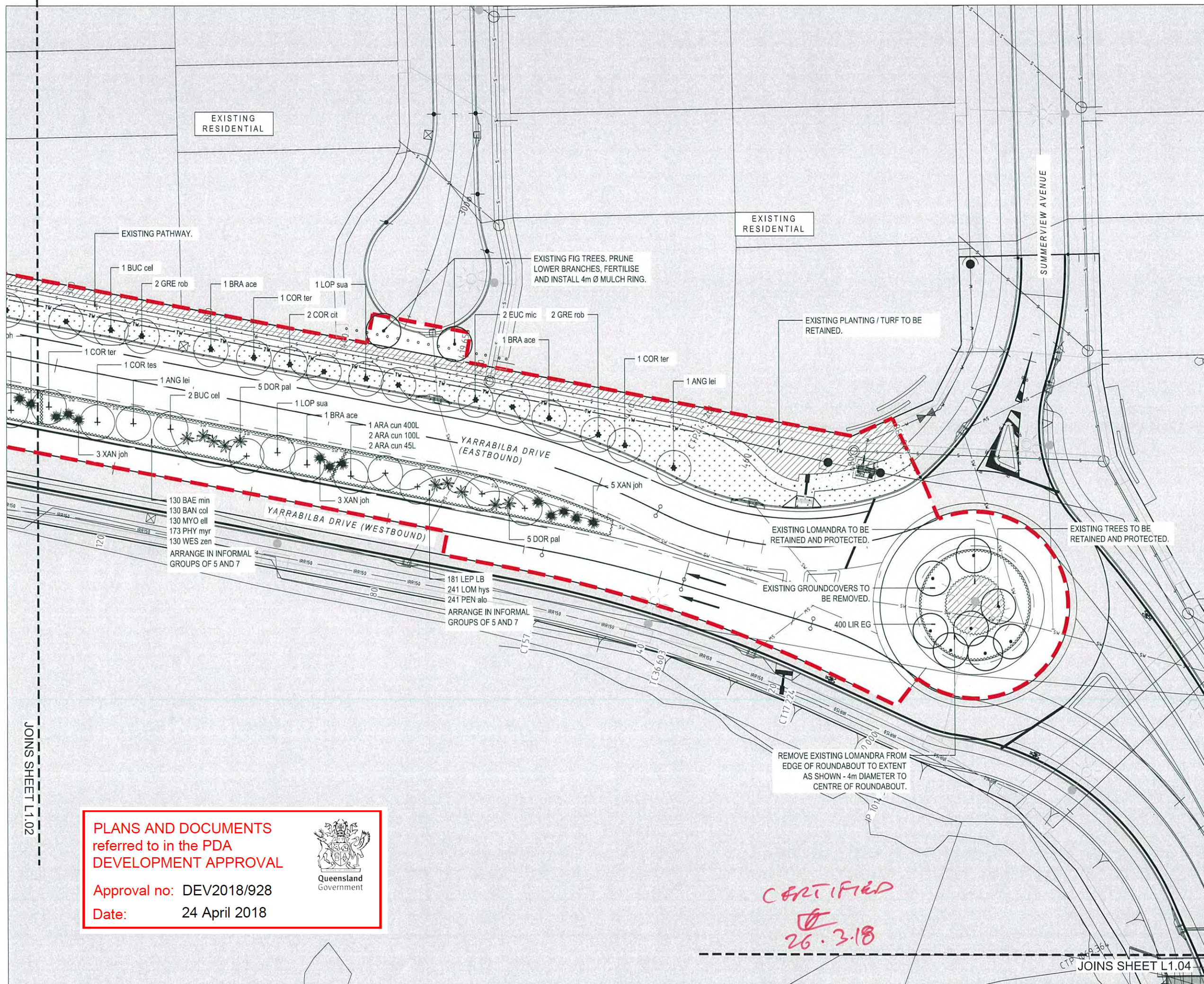


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26.3.18









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| rev. no | description  | date       | drawn | app. |
|---------|--------------|------------|-------|------|
| 02      | FOR APPROVAL | 26/03/2018 | SC    | DC   |
| 01      | PRELIMINARY  | 21/03/2018 | ME    | DC   |

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|                  |                              |
|------------------|------------------------------|
| client           | LEND LEASE                   |
| project name     | YARRABILBA DRIVE DUPLICATION |
| project location | YARRABILBA                   |
| title            | LANDSCAPE PLAN               |
| 1:250            | 0m 5 10 15 25m               |
| project number   | 116660-12-CD-YBD-DUP         |
| drawing number   | L1.03                        |
| rev              | 02                           |

PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2018/928  
Date: 24 April 2018



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26.3.18



CTP 1069.36

CTP 1097.019

CTP 1104.742

YARRABILBA DRIVE (WESTBOUND)

YARRABILBA DRIVE (EASTBOUND)

EXISTING TREES IN ROUNDABOUT  
TO BE RETAINED AND PROTECTED.

EXISTING LOMANDRA TO BE  
RETAINED AND PROTECTED.

400 LIR EG

COMBS STREET

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client

LEND LEASE

project name

YARRABILBA DRIVE DUPLICATION

project location

YARRABILBA

title

LANDSCAPE PLAN

1:250



project number

116660-12-CD-YBD-DUP

drawing number

L1.04

rev

02

northpoint



PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

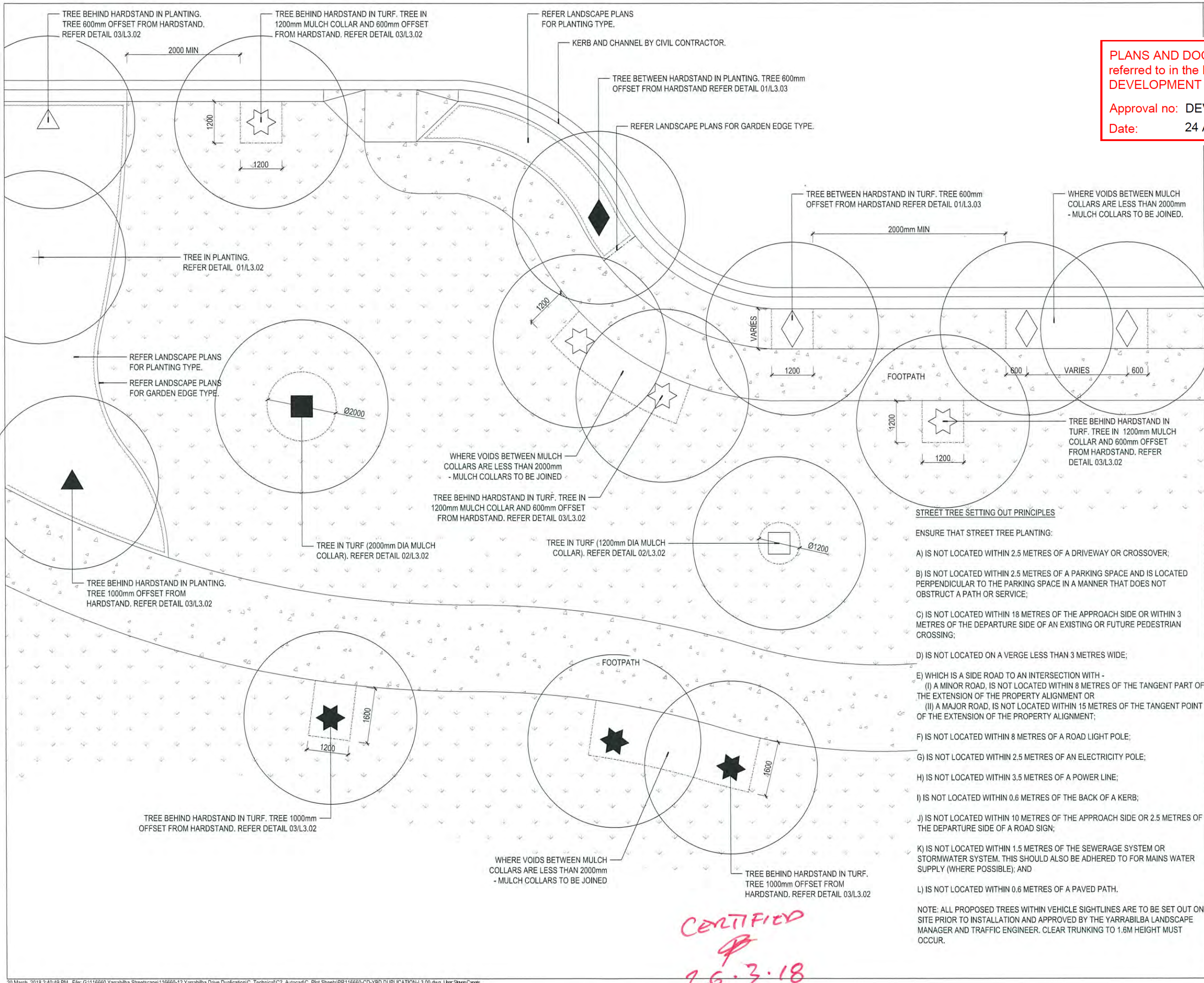
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Approval no: DEV2018/928

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STREET TREE SETTING OUT PRINCIPLES

- ENSURE THAT STREET TREE PLANTING:
- A) IS NOT LOCATED WITHIN 2.5 METRES OF A DRIVEWAY OR CROSSOVER;
  - B) IS NOT LOCATED WITHIN 2.5 METRES OF A PARKING SPACE AND IS LOCATED PERPENDICULAR TO THE PARKING SPACE IN A MANNER THAT DOES NOT OBSTRUCT A PATH OR SERVICE;
  - C) IS NOT LOCATED WITHIN 18 METRES OF THE APPROACH SIDE OR WITHIN 3 METRES OF THE DEPARTURE SIDE OF AN EXISTING OR FUTURE PEDESTRIAN CROSSING;
  - D) IS NOT LOCATED ON A VERGE LESS THAN 3 METRES WIDE;
  - E) WHICH IS A SIDE ROAD TO AN INTERSECTION WITH -
    - (I) A MINOR ROAD, IS NOT LOCATED WITHIN 8 METRES OF THE TANGENT PART OF THE EXTENSION OF THE PROPERTY ALIGNMENT OR
    - (II) A MAJOR ROAD, IS NOT LOCATED WITHIN 15 METRES OF THE TANGENT POINT OF THE EXTENSION OF THE PROPERTY ALIGNMENT;
  - F) IS NOT LOCATED WITHIN 8 METRES OF A ROAD LIGHT POLE;
  - G) IS NOT LOCATED WITHIN 2.5 METRES OF AN ELECTRICITY POLE;
  - H) IS NOT LOCATED WITHIN 3.5 METRES OF A POWER LINE;
  - I) IS NOT LOCATED WITHIN 0.6 METRES OF THE BACK OF A KERB;
  - J) IS NOT LOCATED WITHIN 10 METRES OF THE APPROACH SIDE OR 2.5 METRES OF THE DEPARTURE SIDE OF A ROAD SIGN;
  - K) IS NOT LOCATED WITHIN 1.5 METRES OF THE SEWERAGE SYSTEM OR STORMWATER SYSTEM. THIS SHOULD ALSO BE ADHERED TO FOR MAINS WATER SUPPLY (WHERE POSSIBLE); AND
  - L) IS NOT LOCATED WITHIN 0.6 METRES OF A PAVED PATH.

NOTE: ALL PROPOSED TREES WITHIN VEHICLE SIGHTLINES ARE TO BE SET OUT ON SITE PRIOR TO INSTALLATION AND APPROVED BY THE YARRABILBA LANDSCAPE MANAGER AND TRAFFIC ENGINEER. CLEAR TRUNKING TO 1.6M HEIGHT MUST OCCUR.

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|         |              |            |       |       |
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client  
LEND LEASE

project name  
YARRABILBA DRIVE DUPLICATION

project location  
YARRABILBA

title  
LANDSCAPE DETAILS

not to scale  
NOT TO

project number  
116660-12-CD-YBD-DUP

drawing number  
L3.01

rev  
02



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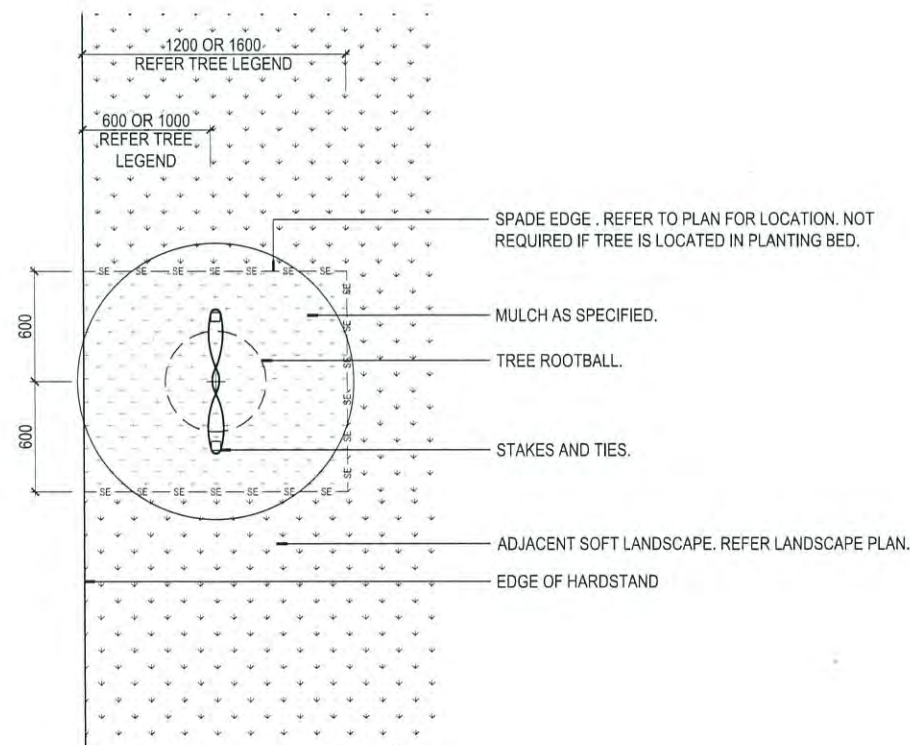
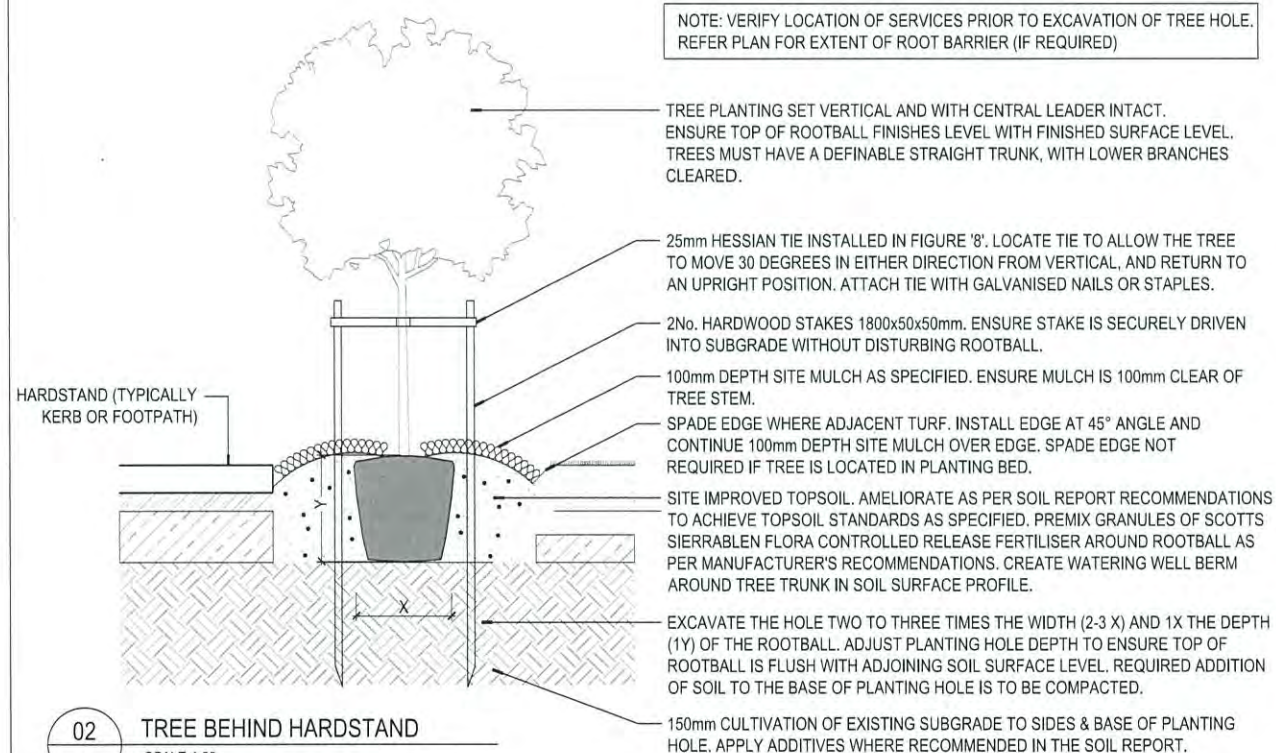
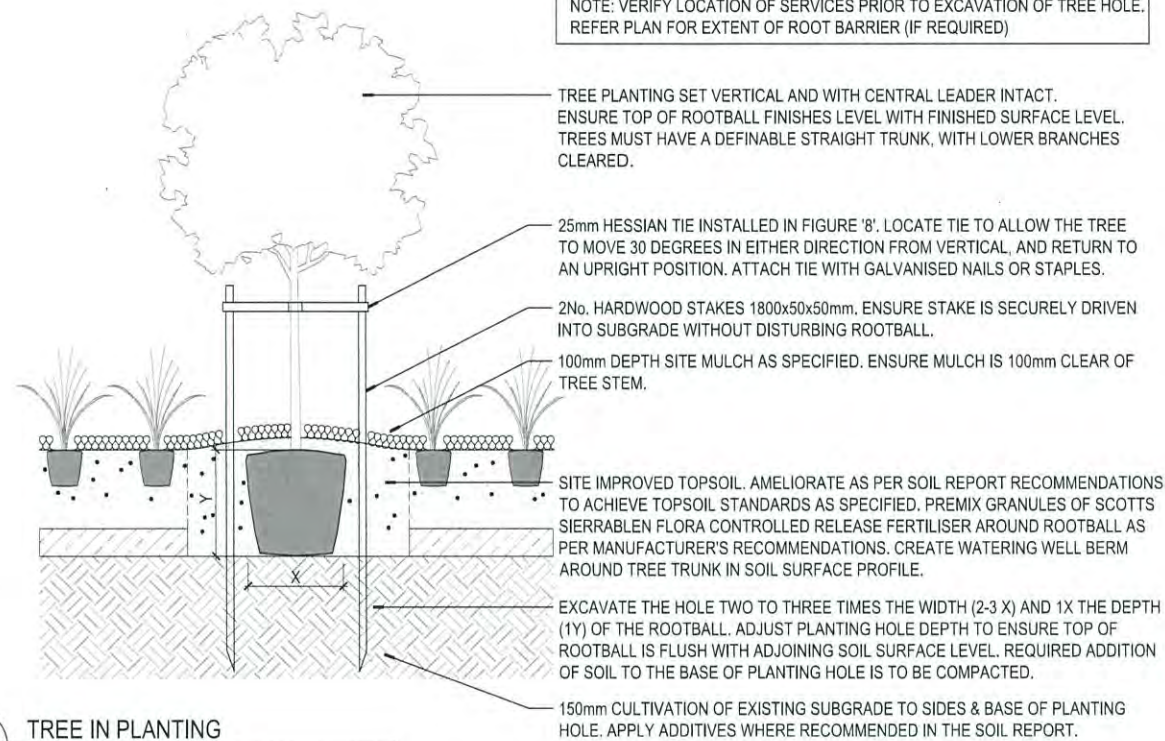
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01 TREE IN PLANTING  
SCALE 1:20

PLANTING AREA  
AS SPECIFIED  
REFER PLAN

PLANTING AREA  
AS SPECIFIED  
REFER PLAN

NOTE: VERIFY LOCATION OF SERVICES PRIOR TO EXCAVATION OF TREE HOLE.  
REFER PLAN FOR EXTENT OF ROOT BARRIER (IF REQUIRED)



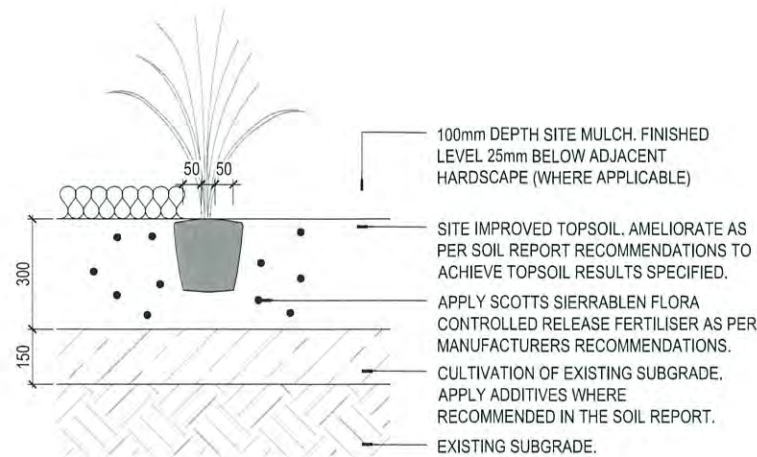
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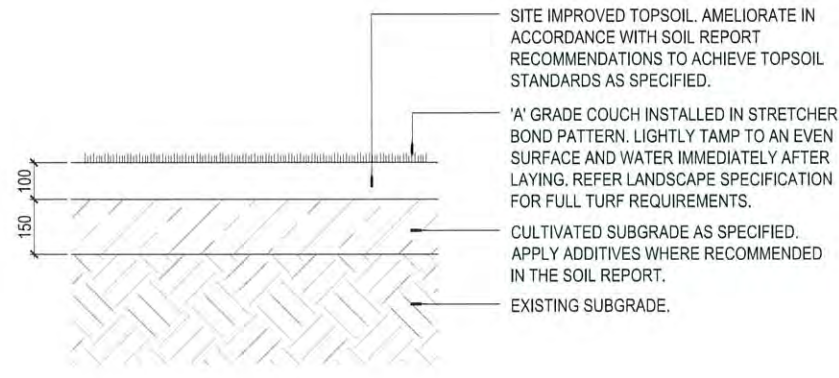
|                  |                              |
|------------------|------------------------------|
| client           | LEND LEASE                   |
| project name     | YARRABILBA DRIVE DUPLICATION |
| project location | YARRABILBA                   |
| title            | LANDSCAPE DETAILS            |
| not to scale     | NOT TO                       |
| project number   | 116660-12-CD-YBD-DUP         |
| drawing number   | L3.02                        |
| rev              | 02                           |
| northpoint       |                              |





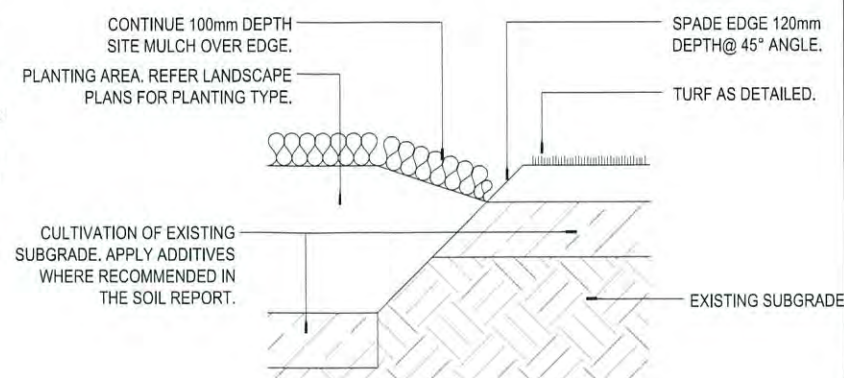
01 TYPICAL PLANTING AREA

SCALE 1:10



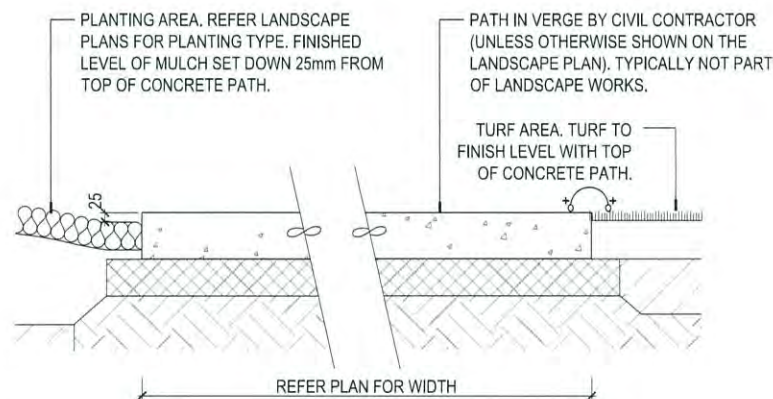
02 TYPICAL TURF DETAIL

SCALE 1:10



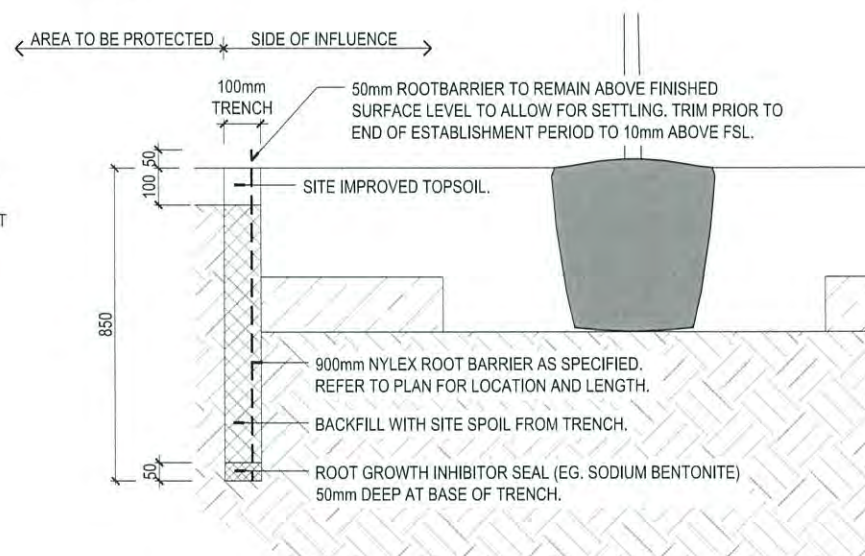
03 SPADE EDGE

SCALE 1:10



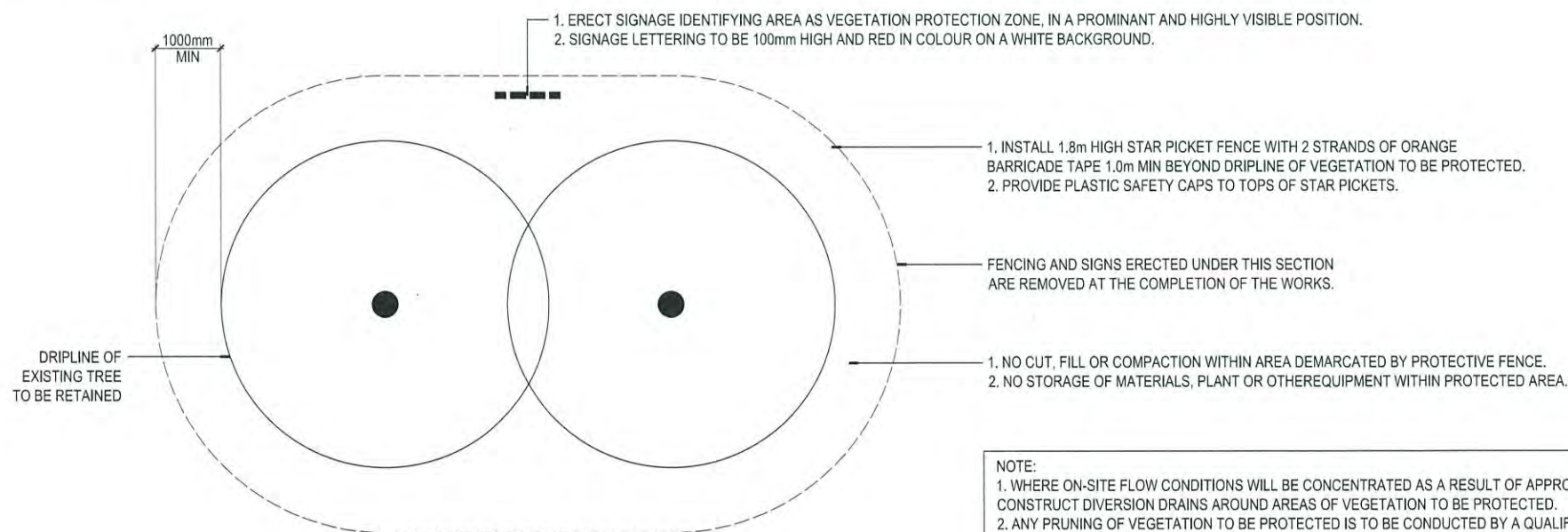
04 PATHWAY AND SOFTSCAPE INTERFACE (IN STREETScape)

SCALE 1:10



05 ROOT BARRIER

SCALE 1:10



06 VEGETATION PROTECTION DETAIL

SCALE 1:50

NOTE:  
1. WHERE ON-SITE FLOW CONDITIONS WILL BE CONCENTRATED AS A RESULT OF APPROVED SITE WORKS, CONSTRUCT DIVERSION DRAINS AROUND AREAS OF VEGETATION TO BE PROTECTED.  
2. ANY PRUNING OF VEGETATION TO BE PROTECTED IS TO BE CONDUCTED BY A QUALIFIED ARBORIST WHO MUST PROVIDE A CERTIFICATE FOR THE WORKS UNDERTAKEN.  
3. TREE ROOTS GREATER THAN 50mm IN DIAMETER EXTENDING BEYOND TEMPORARY ENCLOSURES THAT REQUIRE CUTTING, SHALL BE TREATED WITH AN INDUSTRY APPROVED FUNGICIDE TO MANUFACTURER'S SPECIFICATIONS.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2018/928

Date: 24 April 2018



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| project location | YARRABILBA                   |
| title            | LANDSCAPE DETAILS            |
| not to scale     | NOT TO                       |
| project number   | 116660-12-CD-YBD-DUP         |
| drawing number   | L3.03                        |
| rev              | 02                           |
| northpoint       |                              |