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# BARNETT ROAD, WINSTON HILLS BARNETT DOG PARK UPGRADE - ADDITIONAL LAN **DSCAPE WORKS**

Plan No.17887

## SHEET No. **DRAWING TITLE**

SPECIFICATION NOTES 1
SPECIFICATION NOTES 2
FURNITURE AND SOFTWORKS PLAN
SETOUT PLAN
DETAILS SHEET

0 4 4 0



## **DESIGN DOCUMENTATION**

CITY OF PARRAMATTA ENGINEERING SURVEY

DESIGN CHECKED/APPROVED:
APPROVED FOR CONSTRUCTION:
RELEASE DATE: DRAWN BY: DESIGN BY:

CHAMY CHEN

ADAM COOK RICHARD JAMES AUGUST 2022

# PRELIMINARIES AND SITE ESTABLISHMENT NOTES

The Contractor shall supply and install all adequate site establishment measures including temporary fending, sediment and erosion control, tree protection measures, Dial Before You Dig, traffic and pedestrian management etc. as specified and to the satisfaction of the Superintendent.

Setting out the Works
Setting out the works shall be undertaken by City of Parramatta under the control of the Contractor.

Any discrepancy, ambiguity, or error within the survey or Documents identified by the Contractor shall be referred in writing to the Superintendent. The Contractor shall supply a certificate stating that the setout conforms to the Drawings.

Information provided by the Council regarding services on the site are provided as a guide only and does not relieve the Contractor of their responsibility under the Contract to inform themselves as to conditions on, under or around the site prior to and during the Contract. Site Establishment it is a contractor has made inquiries with all authorities likely to have services in the area and has it shall be deemed that the Contractor has made inquiries with all authorities likely to have services in the area and has allowed for the cost of protective works in the price of the contract.

The Contractor's access on, to and around the site and the use of the site for temporary works and constructional plant, including working and storage areas shall be restricted to those areas approved by the Superintendent and subject to such conditions as stated in the Contract.

Traffic and Pedestrian Management
The Contractor shall make all arrangements to control pedestrian and vehicular traffic on footpaths and public roads through
the site and shall install and maintain warning signs and safety devices in accordance with the Australian Standard AS 1742.3 - 1996.

The Contractor shall maintain access for property owners in the vicinity of the site and shall consult with all owners whose access is interrupted by work under the Contract. The interruptions shall be minimised and essential interruptions shall be allowed only at times acceptable to the owners.

during the Contract, the Superintendent is of the opinion and advises the Contractor that a danger or public inconvenience exists ue to the inadequacy of warning signs, barricades or other safety devices or due to the Contractor's procedures for control of pedestrians dataffic, the Contractor's half forthwith supplement the signs, barricades or safety devices and/or procedures as necessary to over-come e danger or public inconvenience.

Submissions
At least two (2) weeks before commencing clearing operations submit documents showing proposals including erosion control measures and plans showing layouts, levels, temporary structures and the like.

Submit the methods and equipment proposed for the groundworks, including the following:

- Plans and Program (including construction management plans; traffic and pedestrian management plans; detailed works program) Earthworks (including methods and equipment proposed for the groundworks; proposed stockpile locations) Landscape (including work and maintenance programs; product warranty)

  Site Preparation (including detailed works program; site setup)

Tree Protection

All existing trees, which are to remain undisturbed, shall be adequately protected for the duration of the contract as specified. As a minimum, All existing trees, which are to remain undisturbed, shall be adequately protected for the duration of the contract as specified. As a minimum, the Contractor shall install a parrawebbing fence around trees indicated for retention on plans and held in place with star pickets and safety caps. Obtain approval from the Superintendent prior to removal of tree protection.

Should a tree or trees listed for retention be damaged or removed without prior consent in writing, a penalty will be applied in accordance with Council's tree protection policies. All approved tree protection works shall be carried out before excavation, grading and site works commence

Protect trees specified or shown to be retained from damage by groundwork's. Take necessary precautions, including the following:

Storage: Storage of materials, mixing of materials, vehicle parking, disposal of liquids, machinery repairs and refuelling, site office and sheds, and lighting of fires, stockpiling of soil, rubble and any debris shall not be carried out within the drip line of existing trees.

Damage: Prevent damage to tree bark. Do not attach stays, guys and the like to trees.

Work under trees: Open up excavations under tree canopies for as short a period as possible. **Care to be undertaken to avoid damage to tree roots**Use hand methods such that the root systems are preserved in tact and damage is minimized.

Roots: Do not cut tree roots exceeding 50mm in diameter unless permitted in writing by Council's Tree Management Officer. Confirm on site with the Superintendent. Where it is necessary to cut tree roots, use means of cutting that does not unduly disturb the remaining root system. Immediately after cutting, the tree should be watered and treated with a liquid rooting hormone to stimulate production of new roots. Examples include Formula 20 and Hormone 20.

## 3ackfilling: Do not fill within the drip line of existing trees.

Compacted ground: Do not compact ground under trees. If compaction does occur, notify the Superintendent and obtain instructions. Pruning of tree roots and branches and tree removal is subject to approval by Council's Tree Management Officer. Seek advice from the Superintendent.

Environmental Protection
The Contractor is to keep an
Remove all rubbish and deb Contractor is to keep areas adjoining the works clean for the duration of the contract. All of these works are to conform to Council's standards, nove all rubbish and debris on site. Site to be kept clean and tidy at all times, n and carry out the works of a so a void erosion, contamination and sedimentation of the site, surrounding areas and drainage systems, charges from the site must meet EPA requirements. Obtain all necessary EPA pollution control licenses and install all pollution, erosion, tamination and sedimentation control measures prior to commencement of works.

## Workplace Health and Safety The Contractor shall familiarise

The Contractor shall familiarise themselves with, and work in accordance to, the Workplace Health and Safety Act 2011 and the Workplace Health and Safety Act 2011 and the Workplace Health and Safety Regulation 2011. The Contractor shall ensure that all employees carrying out construction work undertake specific (general, work activity and site specific) Workplace Health and Safety Induction training related to the works they are performing.

Where existing ground surfaces are not required to be varied as part of the works, restore them to the condition existing at the commencement of the contract. This includes the restoration of grassed areas as a result of construction traffic and storage.

Removal of Temporary Works

Reinstate surfaces occupied for the purposes of the Contract in the following manner:

Reinstate surfaces occupied for the purposes of the Contract in the following manner:

Which the area of the permanent works finish as specified;

Areas outside the permanent works which were formerly developed in any way shall be reinstated to their condition at commencement of the Contract:

Undeveloped areas outside the permanent works shall be reinstated to their condition at commencement of the Contract.

The Contractor shall co-ordinate and supervise with the nominated firms and subcontractors. The Contractor shall organise and co-ordinate site access for each nominated firm and subcontractor. The Contractor shall co-ordinate and co-operate with the relevant service authorities.

Temporary Fencing
The Contractor shall provide a 1.8m high Temporary Chain Wire Mesh Fence to the construction zone. A maximum 100mm gap is permitted at the base The Contractor shall provide a 1.8m high Temporary Chain Wire Mesh Fence to the construction zone. A maximum 100mm gap is permitted at the base of the fence. District provides the full height of the fence. Obtain approval from the Superintendent prior to removal of the Temporary Fence and dust protection material.

Date:

Description:

# CITY OF PARRAMATTA

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DEMOLITION
Scope
Specified in this section:
Demolition of existing turf and mulch
Salvage for reuse existing seat
Demolish and remove existing concrete pad

Items of Work

1. Demolition of existing turf and mulch.
1. Demolition of existing turf and mulch.
1. Items of work of the contractor shall strip, demolish and remove existing turf, mulch, plants and small tree (approximately 1m high) to enable proposed works. Remove demolition / excavation material from site.

Salvage for reuse existing seat, locations shown on drawings, the Contractor shall salvage for reuse existing seat on site. Remove demolition material from

Demolish and remove existing concrete pad locations shown on drawings, the Contractor shall demolish and remove existing concrete pad to enable proposed works. In a smove demolition material from site.

Note: All demolition material must be disposed of at an EPA approved tipping site. Proof of documents must be shown to the Superintendent.

Tree Protection During Construction Works: Extreme care is to be taken when working with the TPZ of existing trees. All works around tree roots are to undertaken with hand tools to ensure roots are not damaged. Tree roots exposed during construction works are to be reported to Council's Project Manager so miligating measures can be implemented.

Hand excavate around tree roots as required. Do not cut tree roots greater than 50mm diameter. Written permission shall be received from Superintendent if root pruning (for roots greater than 50mm diameter) is required.

Inspection of Works
Give sufficient notice (24 hours) to Superintendent so that inspection
Site following removal of demolished materials;
Setout of areas to be excavated;
Demolition/ excavation to correct depths;

All demolition and site preparation work shall comply with the current edition of relevant Australian Standards.

Any variations or ambiguity between the contract documents and Australian Standards shall be referred to the Superintendent for decision before proceeding with the work.

General Demolition

The Contractor is to perform the demolition necessary to carry out the Works Under Contract as shown in the Documents. Protect property that is to remain on or adjacent the site from interference or damage.

Remove from the site all demolished materials, debris resulting from demolition and site preparation and excavated material surplus to requirements, including topsoil not approved for re-use, unless otherwise specified. If required, stockpile spoil retained for future use on site in locations determined on site with the Superintendent. Establish stockpiles to sizes not exceeding 1.5m in height.

The Contractor shall ensure that existing services are disconnected prior to commencing demolition and shall not damage water, drainage, electricity, gas or telephone services which are in use or are required by the owners of the services.

Items scheduled for disposal off site shall be deposited at an EPA approved tipping site. A copy of the dockets shall be submitted to the Superintendent for approval.

## General Excavation

Excavation shall be to the lines, levels or depths shown in the Drawings unless directed otherwise by the Superintendent Excavating plant and equipment shall be capable of performing the work to the satisfaction of the Superintendent.

Unless otherwise shown on the Drawings, excavation for hardworks shall be undertaken to the planned level for the bottom of the specified bedding or foundation level. All loose material shall be removed by the Contractor.

Excavations shall be trimmed to line and level by machine and/or by hand as necessary to produce profiles to the accuracy required by the Drawings and/or Specification.

Any material at the bottom of the excavation which the Superintendent deems to be unsuitable shall be removed and disposed of by the Contractor and replaced with backfill material approved by the Superintendent.

Care shall be taken to avoid disturbance to adjacent material during removal of any foundation material which has been disturbed, allowed to deteriorate or otherwise made unsuitable.

Temporary supports shall be removed from the excavations as construction progresses unless otherwise stated by the Superintendent. Removal shall be effected in such a way as not to damage any foundation or finished concrete.

The Contractor shall carry out exploratory hand excavations in all areas where services may be encountered and shall excavate around services by hand as necessary to avoid damage to the services. Where public utilities exist in the vicinity of excavation works the Contractor shall obtain the approval of the relevant authority to the method of excavation before commencing excavation. If required, excavation work shall be carried out in the presence of the representative owner of the services.

If excavation is required below the line of influence of an existing footing, use methods which maintain the support of the footing and ensure that the structure and finishes supported by the footing are not damaged.

# All debris and/or waste material shall be removed from site and disposed of

Existing site soil to be used for proposed regrading works shall be free of organic matter and contain a maximum particle 75mm. The Superintendent shall confirm if existing site soil may be used for regrading works. Existing Site Material size of

Earthworks Materials

The Contractor shall be responsible for any assumptions made by the Contractor in relation to the nature and types of the materials encountered in excavations and the building and compaction characteristics of materials incorporated into the works. The estimated quantity for general earthworks at any cutting includes all types of materials which may be encountered in the

# Imported Fill Material Imported fill shall be clay as approved by the Superintendent prior to installation.

Stockpile site soli/ fill approved for re-use and imported soli/ fill in locations approved by the Superintendent. Establish stockpiles to sizes and in locations as directed, to heights not exceeding 1.5m. Provide adequate drainage and enosion protection. Do not burn off or remove plant growth which may occur during storage. Do not allow traffic on stockpiles. Protect stockpiles from contamination including chemicals, fuels, weeds and building debris.

# ltems scheduled for disposal off site shall be deposited at an EPA approved tipping site. A copy of the dockets shall be submitted to the Superintendent for approval.

UNLESS DETAILED ON THIS DRAWING ALL WORK SHALL CONFORM TO CC 16/8/22 16/8/22 16/8/22 Date Drawing Status Aug FINAL roject: Additional Landscape Works SPECIFICATION NOTES Barnett Dog Park Barnetts Road,

Service Manager Capital Projects

## HARDWORKS AND FUI Scope Specified in this section: 1. Proposed 100mm depth reinfo JRNITURE FIXTURES

forced concrete pavement;

Proposed seat unit
 Proposed picnic shelter
 Install salvaged seat

tem of Works

Base Course: Finish: Expansion Joints:

m depth reinforced concrete pavement.

m depth reinforced concrete pavement. Includes no drawings, the Contractor shall supply and install 100mm depth reinforced concrete pavement. Includes preparation, DGB20 base course, concrete, reinforcement, formwork, joints and finishes.

100mm depth, 25MPa. Reinforcement SL72, 40mm cover.

50mm depth DGB20 base course compacted to 98% MDD. Compact subgrade to 98% MDD. Coved finish with rounded edge and no highlights.

10mm wide full depth foam expansion joints (abelflex or approved equivalent) with 10mm depth silicon sealant (colour; grey). Place expansion joints at 3.6m intervals, at the junction of all hardworks, and as directed by the Superintendent.

2. Proposed n locations show the Contractor shall install surface mounted seat unit. Supply of seat by others.

Control joints:

as c ad seat unit wn on drawings, th, Gossi Park ' 'Courty'' Au°' hardwood timber battens < 'Western Myall' rooated Dulux 'Satin Black'

ount (surface mounted) aided Discounties with the state Dulux Satin Black hated Dulux Satin Black hated Dulux Satin Black hated polity. Ensure dynabolts are minimum base plate to concrete pavement. Epoxy seal each dynabolt as specified by the Manufacturer mbedded into concrete pavement. Epoxy seal each dynabolt as specified by the Manufacturer's specifications and Details.

Leg Type: Frame/Leg Finish: Installation:

gs, the Contractor shall install surface mounted picnic shelter. Supply of picnic shelter by others 'k (G.James Extrusions) ort cantilever 3mx1.8m

Flange Mount (surface mounted)

Powdercoated Dulux 'Satin Black'

Powdercoated Dulux 'Satin Black'

Dynabolt base plates to concrete pavement (1 dynabolt per fixing point). Ensure dynabolts are minimum 100mm embedded into concrete pavement. Epoxy seal each dynabolt as specified by the Manufacturer. Install furniture with a horizontal flat plane. Refer to Manufacturer's specifications. Flange Moi

Install salvage seat.
 In locations shown on the drawings, the Contractor shall reuse salvage seat to location as indicated in the drawing and install surface mounted seat.

base plate to concrete pavement (1 dynabolt per fixing point). Dynabolts to be at least 100mm d into concrete pavement. Epoxy seal each dynabolt as specified by the Manufacturer. Ensure bin is installed with a horizontal flat plane. Refer to Details.

Standards
All Concrete work and filling shall of Any variations or ambiguity betwee decision before proceeding with the I comply with the current edition of relevant Australian Standards. veen the contract documents and Australian Standards shall be referred to the Superintendent for the work. The whole area shall be compacted to an in-situ density not less than 98% Maximum Dry

Concrete Works
All concrete works executed under the Specification shall be constructed in straight lines or curves, without local irregularities, true to the alignment and grade shown on the Drawings.

Construct formwork so that the co finish. Concrete work which does be removed and replaced, or the c oncrete, when cast on forms, will have the required dimensions, shape, profile, location and surface not comply with the specification or which has other defects due to inadequacy of formwork, shall defects shall be rectified as directed by the Superintendent.

Concrete Strength
All concrete works shall have a minimum 28 day concrete compressive strength (Fc) of 25 MPa.
Concrete Workmanship
The Contractor shall notify the Superintendent of pouring concrete at least 24 hours before commencing the work. Concrete shall not be placed in any section until the bedding, formwork and reinforcement have been approved by the Superintendent.
All concreting shall be carried out in good light and weather conditions, under the supervision of a capable foreman.

Concrete Curing and Protection

Freshly cast concrete shall be protected from premature drying, excessively hot or cold temperatures, rain, wind and damage from

Defective Concrete
All concrete shall be subject to inspection and approval by the Superintendent after the stripping of formwork and before any patching or finishing work has commenced. Should any concrete be rejected, the whole of the concrete shall be removed between such limits as the Superintendent may decide and replaced with acceptable concrete. Remedial work shall be carried out as soon as practical after removal of forms and inspection. All finished concrete surfaces shall be protected from damage due to construction traffic, excessive loading or other causes.

Surface Finishes

All concrete surfaces shall be true and even, free from stone pockets, depressions or projections beyond the surface. All arrises shall be sharp and true, and mouldings shall be evenly mitred or rounded. Care shall be exercised in removing forms to ensure this result.

ried out on weekday mornings. The contractor is to remain on site until the concrete has sufficiently be vandalised.

DGB20
Areas to be filled shall be prepared, trimmed and finished. Prepare the ground surface before placing fill (including topsoil fill), ground slabs or load bearing elements. Preparation shall include the removal of all topsoil, vegetation, debris, construction rubbish or materials or existing obstructions which would create soft or hard spots under the fill such as to prevent even compaction of the

Place and compact fill to the desig Grade the surface to drain surface Compact all DGB20 to an in-situ d ignated dimensions, levels, grades and cross sections so that the surface is always self draining. Se water away from paving areas or to drainage pits / outlets or swales. density not less than 98% Maximum Dry Density.

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## Scope

- Specified in this section:

  1. Proposed cullivation;
  2. Proposed organic garden mix soil;
  3. Proposed 140mm & 45Lt plants;
  4. Proposed 100mm depth leaf litter mulch;
  5. Proposed turf underlay;
  6. Proposed turf.
  7. Undertake maintenance period.

Items of Work

1. Proposed cultivation
1. In Decadors shown on drawings, the Contractor shall cultivate existing site soil to minimum 200mm depth and incorporate "Terracottem" soil conditioner at rates re in boadions shown on drawings, the Contractor shall cultivate existing trees, Remove stones exceeding 25mm, clocks of earth exceeding 50mm and weeds, rubbin the manufacturer. Hand cultivate with tools within root zone of existing trees, Remove stones exceeding 25mm, clocks of earth exceeding 50mm and weeds, rubbin the manufacturer. Hand cultivate with tools within root zone of existing trees, Remove stones exceeding 25mm, clocks of earth exceeding 50mm and weeds, rubbin the manufacturer. Hand cultivation to the surface during cultivation. Trim the surface to design levels after cultivation. Do not disturb services or tree roots, if necessary conditioner at rates recommended by 0mm and weeds, rubbish or other ee roots, if necessary cultivate these

Proposed organic garden mix soil.In locations shown on drawings, the Contractor shall supply and install min. 50mm depth organic garden mix soil to garden beds and tree pits.and depressions. Lightly

Australian Native Landscapes 'Organic Garden Mix' or an approved equivalent. Lightly compact imported topsoil in maximum 50mm depth layers to avoid subsidence and to produce a finished

3. Proposed 140mm and 45Lt plants.

In locations shown on drawings, the Contractor shall supply and install 140mm pot sized and 45Lt plants.

Type: Refer to Plant Schedule.

Installation: Place 140mm or 45Lt plants in garden bed, with the top of the rootball finishing flush with adjoining soil level.

Backfill planting hole with organic garden mix soil / cultivate with site soil. Water plants to field capacity immediately following installation. Refer to Details.

Recommended plant suppliers: Andreasens Green Wholesale Nurseries or Alpine Nurseries

Proposed 100mm depth leaf litter mulch.
 In locations shown on drawings, the Contractor shall supply and install 100mm depth leaf litter mulch.

Australian Native Landscape's 'Leaf Litter Mulch' or an approved equivalent. Provide leaf litter mulch that is free of deleterious material and extraneous matter such as soil, Place mulch to all areas shown on drawings to 100mm depth. Spread mulch to an even depth rake to an even surface flush with the surrounding finished levels. weeds, plant material etc. and ensure it is not in contact with the stems of proposed

5. Proposed turf underlay.

In locations shown on drawings, the Contractor shall supply and install min. 50mm depth turf underlay to max.1:6 grade. In locations shown on drawings, the Contractor shall supply and install min. 50mm depth turf underlay in funderlay or an approved equivalent.

Type: Australian Native Landscapes "Turf Underlay" or an approved equivalent. Lightly compact turf underlay to avoid subsidence and to produce a finished surface which is to design installation:

Australian Native Landscapes "Turf Underlay' or an approved equivalent.

Lightly compact turf underlay to avoid subsidence and to produce a finished surface which is to design levels; smooth and free from stone or lumps of soil; graded to drain freely and without ponding; ready for turfing. Refer to Details.

# Proposed Kikuyu turf. From the Contractor shall supply and install Kikuyu turf as required to match existing grass. Soil shall be compacted hocations shown on drawings, the Contractor shall supply and install Kikuyu turf as required to match existing grass. Soil shall be compacted avoid tip hazards. If necessary, top dress turf to ensure adjoining levels finish flush. Do not use mulch in turf areas or as a filling material. Type: Kikuyu to match existing

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Manually roll with a drum roller or similar to an even surface after laying. Water immediately after laying until the topsoil is moistened to its full depth. maintain moisture to this depth, Keep the grass in a healthy condition.

Apply fertilizer at the completion of the first and last mowings, and at other times as required to maintain healthy grass cover.

Mow to maintain the grass height within the required range. Do not remove more than one third of the grass height at any one time. Remove grass clipping each mowing. Refer to Details. Continue watering to

the

6. Undertake maintenance period. The Contractor shall rectify, maintain and care for all components within the extent of works including hardworks, softworks and furniture elements for the duration of construction and maintenance periods.

12-week maintenance period:

The Maintenance Contractor shall undertake maintenance works within the extent of works zone as per the following specification.

The Maintenance Period commences on an agreed date for Practical Completion between the Contractor, Landscape Architect, Superintendent and Council's nominated The Maintenance Period commences on an agreed date for Practical Completion between the Contractor, Landscape Architect, Superintendent and Council's nominated maintenance contractor, it is expected that the nominated Maintenance Contractor attend site a minimum three times per fortnight during the first 8 weeks of the maintenance period. This attendance is to ensure watering of the vegetation is sufficient.

Standards All landscape work shall comply with the current edition of the relevant Australian Standards. Any variations or ambiguify between the contract documents and Australian Standards shall be referred to the Superintendent for decision before proceeding with

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- General

  Provide plants with the following characteristics:

   large, strong, progressive and healthy root systems (white tipped toot ends), with no evidence of root curl, restriction or damage and occupied;

   occupied;

   occupied:

   occupied:

   occupied:

   occupied: vigorous, well established, free from diseases or insect pests, of good even shape, structure and form consistent with species or variety.
  extension growth consistent with that shown in vigorous healthy specimens of the species;
  hardened off, not soft or forced, and suitable for planting in the natural climatic conditions prevailing at the site; foliage size, texture

Plant Materials Requirements & Product warranty
Supply plants in weed free containers of the required size. Plant size definitions are indicative only and are subject to variation in accordance with the natural growth habit of the species. Submit the supplier's wittlen statement certifying that plants are true to the required species and type and are free from diseases, pests and weeds. Using plants of the species. Submit the supplier's wittlen statement certifying that plants are true to the required species and type and are free from diseases, pests and weeds. Using plants of the species are free from diseases, pests and weeds. Using plants of the species are free from diseases, pests and weeds. Using plants of the species are free from diseases, pests and weeds.

r plants and turf i following as required to maintain rates free of stress for the construction

the root ball, so that the plant stem

remains the same

Backfilling
Backfill with existing/ imported site soil as specified. Lightly tamp to eliminate air pockets. Ensure that soil is not placed over height above ground as it was in the container. Insect and Disease Control Immediately give notice of evidence of insect attack recommendation. Submit proposal and obtain approval or disease amongst plant material. Where from Superintendent before starting this work. required, spray with insecticide, fungicide or both ¥ the

Stockpile
Stockpile site topsoil approved for re-use and imported topsoil where adequate drainage and erosion protection. Do not burn off or remove from contamination by other excavated material, weeds and building. necessary. Establish stockpiles to sizes and in locations as directed, to heights not exceeding 1.5m. Provide s plant growth which may occur during storage. Do not allow traffic on stockpiles. Protect the topsoil stockpiles debris.

Turfing
Obtain furf from a specialist grower of cultivated turf. Provide turf of even thickness, free from weeds and other foreign matter.
Deliver the furf from the supplier within 24 hours of cutting, and lay it within 36 hours of cutting. Prevent it from drying out hours, roll it out in a flat surface with the grass up, and water as necessary to maintain good condition. cutting and laying. If it is not aid

## MAINTENANCE PERIOD SPECIFICATION

The Contractor shall undertake maintenance period as specified.

The Contractor shall rectify, maintain and care for all components within the extent of works including hardworks, softworks and furniture the duration of the construction period until practical completion is given in writing by Council's Superintendent.

At practical completion, Council's Superintendent shall inspect the site for defects. Defects by the Contractor at the Contractor's expense prior to completion of the construction period. identified at practical rectified

- The Maintenance Period commences upon Council's written satisfaction of the following:

   Completion of works as per the contract;

   Rectification of all defects identified at practical completion.

## Duration: 12 Weeks

Extent of Works: All Items installed by the Contractor under this contract

## The Maintenance Period shall include, but not be limited to: • Watering:

- Weeding, rubbish removal;
   Pest and disease control;
   Fertilising, re-mulching, aerating;
   Pruning and staking;
   Re-turfino:

- Re-turling;

  Rectification of defects identified by Council throughout Provision of labour, material and equipment;

  Replacement of failed or stolen plants.

  Cleaning of graffit;

  Cleaning of hardworks.

**Note:** Temporary fencing (i.e parrawebbing and star pickets with caps) shall protect key new planting during the maintenance , period. Confirm extent of temporary fencing with Project Landscape Architect.

planting.

Maintenance Log Book
The Contractor shall maintain a log book to record
log book shall be available at each Inspection of submitted to Council at Handover. d all inspections and procedures unde Works for Council's Superintendent/ ertaken for the duration of the maintenance per Landscape Architect to review. The log book The be

# Attendance It is expected that the Contractor attend site twice weekly for the full length of the maintenance period.

General maintenance guidelines
Each tree plant rootball shall receive a minimum three complete waterings to field capacity at fortnightly intervals soaked for the first 4 weeks
Each tree plant rootball shall receive a minimum three complete watering to field
of Maintenance Period irrespective of natural rainfall. Thereafter, each rootball shall receive a minimum of one complete watering to field
capacity at weekly intervals irrespective of natural rainfall. Allow the surface of the soil to partially dry out between waterings.

All freshly laid turf shall receive a minimum three complete waterings to 150mm depth at fortnightly intervals soaked for the first 4 weeks of Maintenance Period irrespective of natural rainfall. Thereafter, turf shall receive a minimum of one complete watering to 150mm depth at weekly intervals irrespective of natural rainfall. Allow the surface of the soil to partially dry out between waterings.

Continue to ensure the general appearance and presentation of the landscape and quality of plant material for the full Maintenance Period.

• Existing planting and grass: Where existing planting or grass is within the landscape contract area, maintain it as for the corresponding classifications of new grassisland or planting.

• Replacements: Continue to replace failed / dead plants at minimum 1 week intervals as necessary throughout the full Maintenance parts.

The Contractor shall be responsible for the control of any pest or disease which may affect the plants. Once the problem has been correctly identified, then a suitable form of treatment should be engaged until the problem has been eliminated. If the use of a chemical spray is required, strict adherence to the Manufacturer's recommended rates and handling is essential. Proper care should be taken to protect both the user and the persons likely to be affected or come in contact with the user and the persons likely to be affected or come in contact with the spray. Allowance should be made to carry out such work outside of normal working hours if necessary.

Adjust guards, stakes and ties where necessary. Where plants are robust with well-developed systems and are strong enough to no longer require support, stakes and ties shall be removed. Where plants are unable to be self-supported or where stakes are damaged, plants shall be staked or re-staked. Remove those not required at the end of the Maintenance Period.

Remove all weed growth and re-occurring weed growth by hand or spray with approved herbicide unless otherwise specified throughout all planted and mulched areas. This work shall be executed regularly so that the planted, paved and mulched areas are weed free when observed at bi-weekly intervals. Vigorous ground covers shall be cleared from and maintained 200mm from the base of any shrub or tree.

Any bottles, papers, cigarette butts etc shall be removed by hand from the site. This work shall be executed regularly so that all areas are free from rubbish when observed at bi-weekly intervals.

Mulched areas should be inspected bi-weekly to determine mulch requirements. Generally a minimum depth of 75mm cover should be maintained to ensure adequate weed suppression and quality finish. Re-mulching should be undertaken when minimum depth of mulch is less than 75mm. Special care when re-mulching should be given to maintaining original ground levels around the base of trees.

All trees/plants declining in health are to be immediately reported to the Superintendent. The Contractor must remove and replace of all dead or failed plants at the instruction of the Superintendent. If plants have failed due to a lack of maintenance (e.g. not being watered) the Contractor will be liable to purchase and replace plant stock at their own cost.

The maintenance period includes cleaning of all hardworks and removal of all graffiti within the Extent of Works to Council's satisfaction.

All works during the maintenance period include the Contractors expense. provision of labour, materials and equipment required to complete works at the

The Contractor is to undertake all rectification works identified by Council at practical completion and accordance with this specification. throughout the maintenance period in

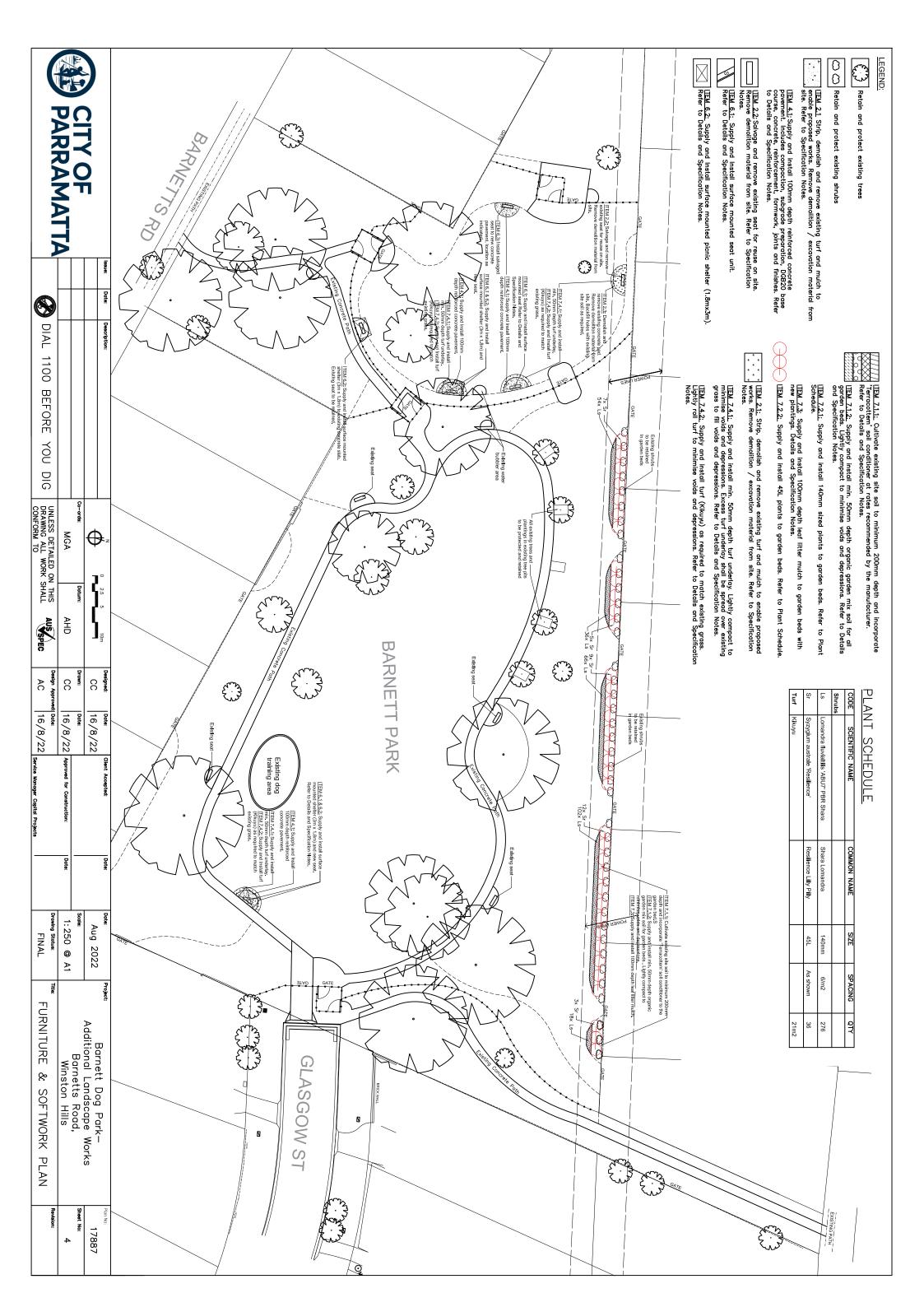
Inspection by Council
The Contractor shall contact Council's Superintendent every 3 weeks for the duration of the maintenance on-site meeting in order to review the quality of maintenance works. At each meeting, the log book shall be a organise and attend for review

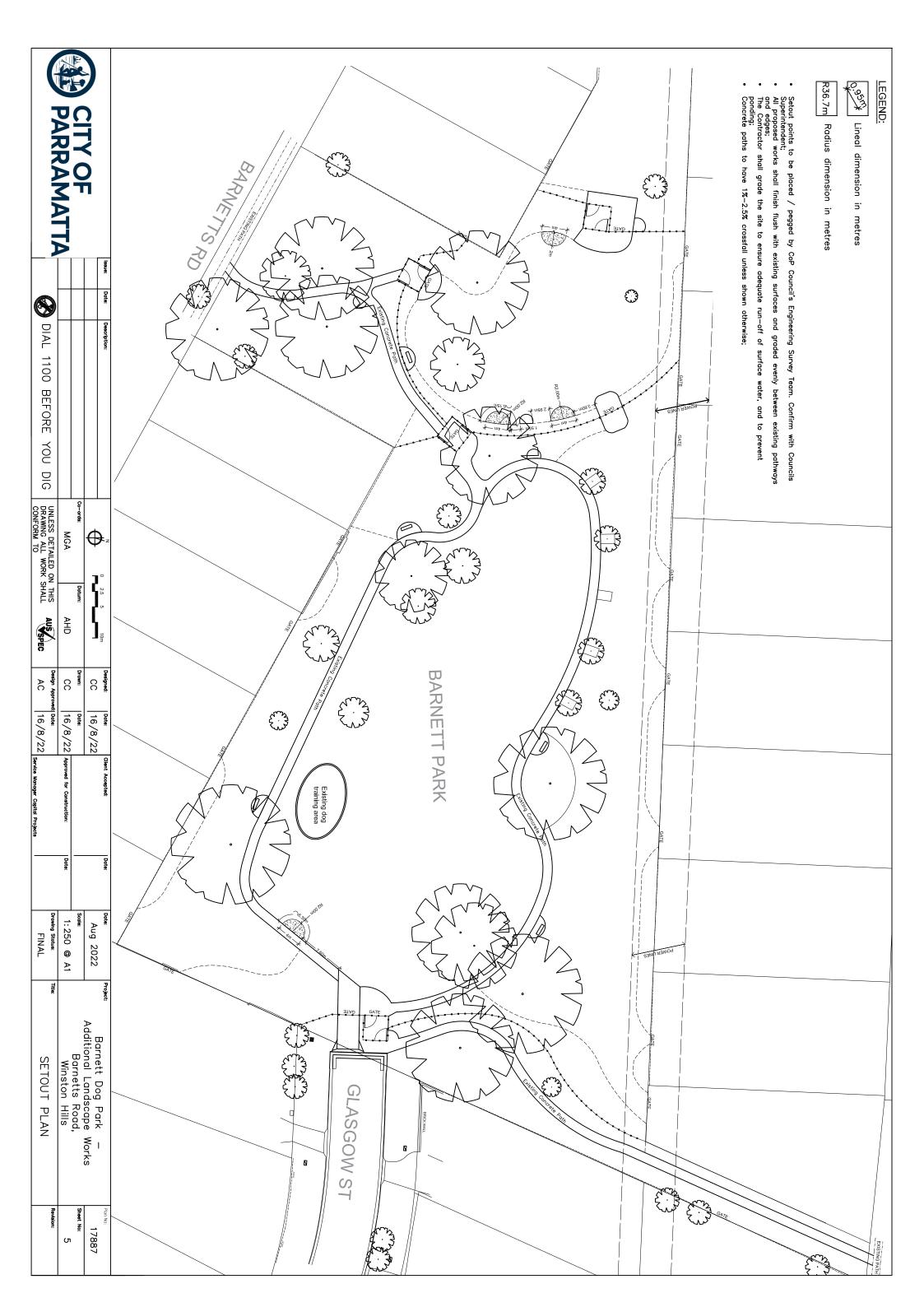
## Rectification of Defects Issues or defects identified by the Superintendent shall be rectified prior to the next scheduled meeting and recorded in the og book

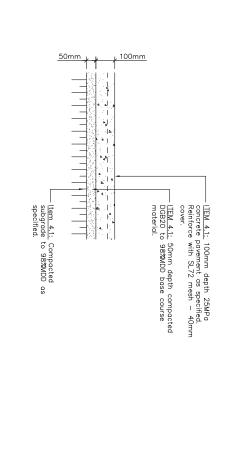
Two weeks before handover, Council's Superintendent/ Landscape shall be rectified by the Contractor and at the Contractor's expense p e Architect shall inspect the site for prior to Handover. defects. Defects identified at this

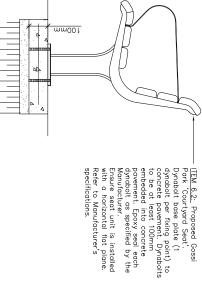
Handover to Council
The maintenance of the site shall remain the responsibility of the Contractor until written confirmation of handover
Contractor shall continue maintenance works as per this specification until written confirmation is given.

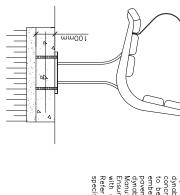
TAKKAIYAITA	DADDAMATTA			
				Issue: Da
D				Date: Desc
DIAL 1100 BEFORE YOU DIG				Description:
UNLESS DETAILED ON THIS DRAWING ALL WORK SHALL CONFORM TO	MGA	Co-ords: Da		
ALL AUSSPEC	AHD	Datum:		
Design Approved: Date: AC 16/	CC	Drawn:	CC	Designed:
d:  Date:  16/8/22	16/8/22	Date:	16/8/22	Date:
Service Manager Capital Projects	16/8/22 Approved for Construction:			Client Accepted:
	Date:			Date:
Drawing Status:		Scale:	Aug 2022	Date:
Title:				Project:
SPECIFICATION NOTES 2	Winston Hills	Barnetts Road,	Additional Landscape Works	Barnett Dog Park —
Revision:	W	Sheet No:	17887	Plan No:





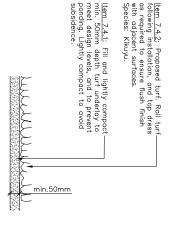




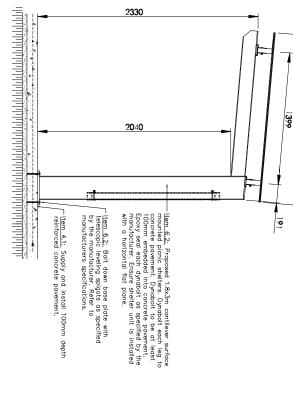


DETAIL - PROPOSED CONCRETE PAVEMENT Scale: 1:10

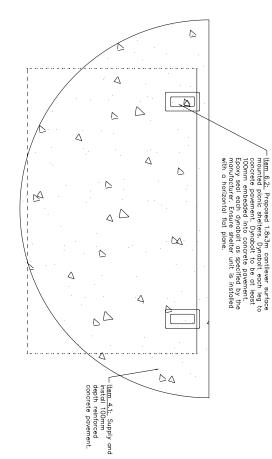
DETAIL Scale: - SURFACE MOUNTED SEAT UNIT



DETAIL - TURF AREA Scale: 1:10



800



DETAIL Scale: - PROPOSED SHELTER TOP VIEW

DETAIL — PROPOSED SHELTER Scale: 1:20

1

SIDE VIEW

CITY OF PARRAMATTA

DIAL

issue

Date:

Description:

Item 7.1.1: Cultivate existing site soil to minimum 20mm depth and incorporate incorporate soil conditioner at rates recommended by the manufacturer for new garden beds only. Refer to Details and Specification Notes. 100mm Item 7.2.2. Proposed 45L sized — plants. Top of rootball to finish flush with adjoining soil level. Water to field capacity following installation. Item 7.3: 100mm depth Australian — Native Landscape's 'Leaf Litter Mulch' or an approved equivalent. Rake mulch to an even surface to finish flush with adjoining surfaces. Ensure mulch is clear of the base of plant stems. Item 7.1.2: 50mm depth
Australian Native Landscape's
Organic Garden Mix' soil. Lightly
compact to minimise voids and
depressions. Item 7.4.1: Proposed plants. Top of rootball to finish flush with adjoining soil level. Water to field capacity following installation.

DETAIL — TURF AND GARDEN Scale: 1:10

BED PLANTING

- 1100 BEFORE YOU DIG   UNLESS DETAILED ON THIS   DRAWING ALL WORK SHALL CONFORM TO				n:
UNLESS DETAILED ON . DRAWING ALL WORK SH CONFORM TO	MGA	Co-ords:		
THIS AUSPEC	AHD	Datum:		
Design Approved: Date:  AC   16/	CC	Drawn:	CC	Designed:
/ed:  Date:   16/8/22	16/8/22	Date:	16/8/22	Date:
Service Manager Capital Projects	16/8/22 Approved for Construction:			Client Accepted:
	Date:			Date:
Drawing Status: FINAL	AS SHOWN	Scale:	Aug 2022	Date:
Title:				Project:
DETAILS SHEET	Winston Hills		Additional Landscape Works	Barnett Dog Park —
Revision		Sheet No:	17887	Plan No: