

**DOG PARK
SOUTH JERRABOMBERRA
BULK EARTHWORKS
VILLAGE BUILDING COMPANY**

GENERAL NOTES:

1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) 94, ZONE 55.
2. REFER TO MMB SURVEYS FOR CADASTRE INFORMATION.
3. ALL EXISTING SURFACE LEVELS PROVIDED BY MMB SURVEY SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES.
4. ALL WORK SHALL BE IN ACCORDANCE WITH QPRC QUEANBEYAN DESIGN AND CONSTRUCTION SPECIFICATIONS
5. EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA. THE PRINCIPAL DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION AND IT IS THE CONTRACTORS RESPONSIBILITY TO ESTABLISH THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCING WORK. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITIES.
6. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL CONFIRM THE POSITION AND LEVEL OF ALL EXISTING SERVICE CONNECTION POINTS AND NOTIFY THE SUPERINTENDENT IMMEDIATELY IF A DISCREPANCY IS FOUND.
7. WHERE NEW WORK ABUTS EXISTING WORK THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
8. ALL EARTHWORKS, BATTERS AND TRENCH LINES TO BE TOP SOILED WITH 100mm SITE TOPSOIL, TEMPORARY GRASSED & BITUMEN STRAW MULCHED.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL TEMPORARY SUPPORT OF EXISTING SERVICES DURING EXCAVATION OF TRENCHES TO THE SATISFACTION OF THE SERVICE OWNER/AUTHORITY.
10. ALL TREE PROTECTION FENCING TO BE CHAINWIRE FENCE TYPE, 1.8m HIGH AND ERECTED 2.0m-5.0m OUTSIDE THE TREE CANOPY AS AGREED WITH THE SUPERINTENDENT.



DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CA001	COVER SHEET - SHEET 1	1	A
CA020	EXISTING SERVICES PLAN - SHEET 1	2	A
CA040	CONSTRUCTION MANAGEMENT PLAN - SHEET 1	3	A
CA150	TYPICAL DETAILS - SHEET 1	4	A
CA200	GRADING PLAN - SHEET 1	5	A
CA201	GRADING PLAN - SHEET 2	6	A
CA202	GRADING PLAN - SHEET 3	7	A
CA203	GRADING PLAN - SHEET 4	8	A
CA204	GRADING PLAN - SHEET 5	9	A
CA800	ENVIRONMENTAL CONTROLS CONCEPT PLAN - SHEET 1	10	A
CA801	ENVIRONMENTAL CONTROLS CONCEPT PLAN - SHEET 2	11	A

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES

THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

A	ISSUED FOR APPROVAL	BC	06/12/22
Rev	Amendments	Approved	Date

See



© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire

SUITE 3, LEVEL 1, 243 NORTHBOURNE AVENUE
CANBERRA ACT 2601
spjiire.com.au ABN 55 050 029 635

The Village
Building Co Est. 1988



Designed
JB
Authorised
BC

Checked
SB
Date
06-12-2022

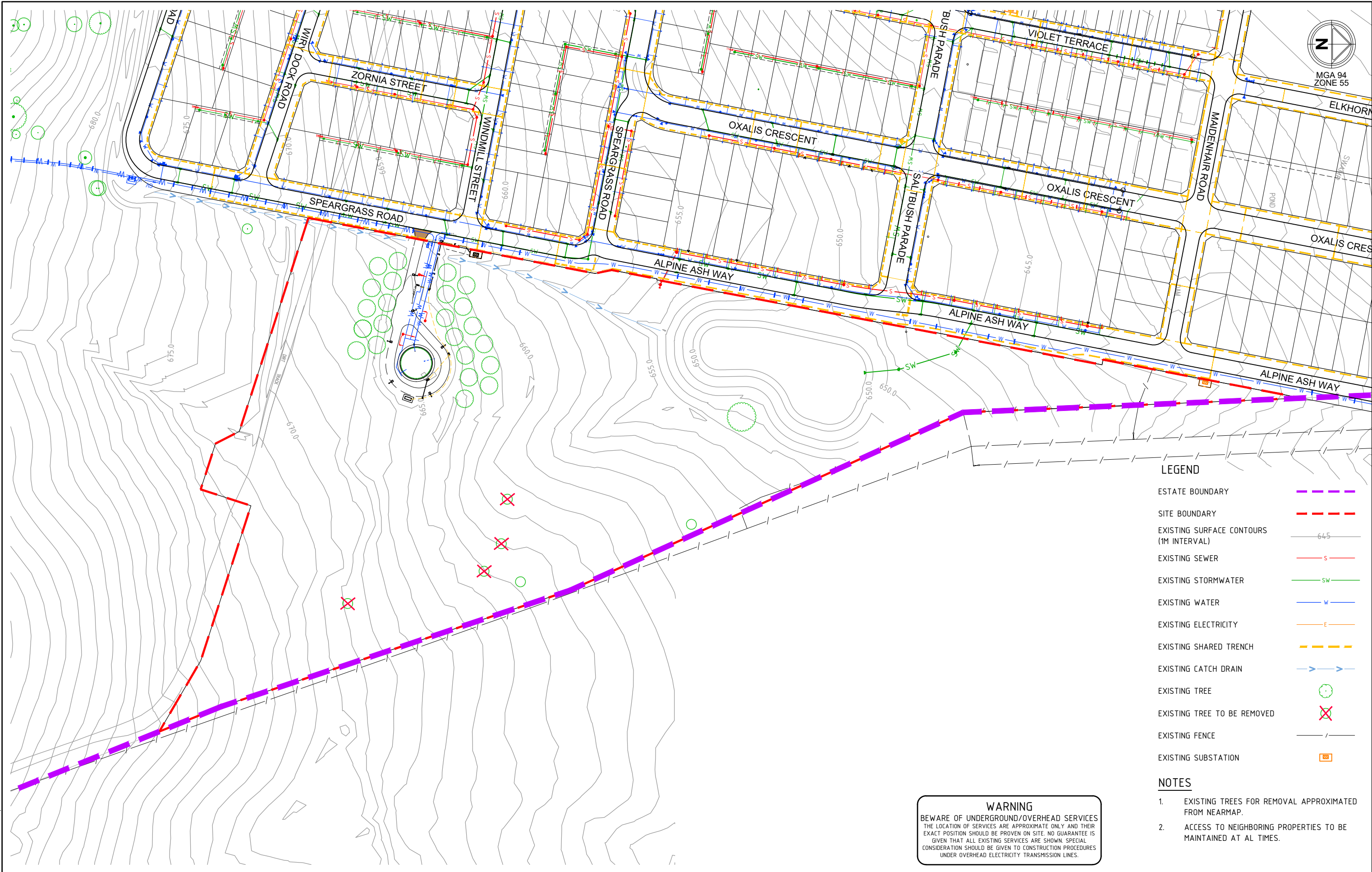
**SOUTH JERRABOMBERRA
DOG PARK**
COVER SHEET
SHEET 1
QPRC
VILLAGE BUILDING COMPANY

3V

309962CA000

A

file name: 309962CA020.dwg, layout name: CA020, plotted by: Jordan Bererton, file location: \\spiire\canda\ra\data\30\309962\Civil\ACAD Plot date: 09/12/2022 12:44 PM Sheet: 2 of 11 Sheets



LEGEND

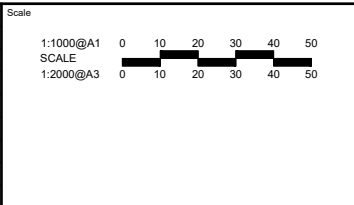
- ESTATE BOUNDARY
- SITE BOUNDARY
- EXISTING SURFACE CONTOURS (1M INTERVAL)
- EXISTING SEWER
- EXISTING STORMWATER
- EXISTING WATER
- EXISTING ELECTRICITY
- EXISTING SHARED TRENCH
- EXISTING CATCH DRAIN
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING FENCE
- EXISTING SUBSTATION

NOTES

- EXISTING TREES FOR REMOVAL APPROXIMATED FROM NEARMAP.
- ACCESS TO NEIGHBORING PROPERTIES TO BE MAINTAINED AT ALL TIMES.

WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

A	ISSUED FOR APPROVAL	BC	06/12/22
Rev	Amendments	Approved	Date



© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire

SUITE 3, LEVEL 1, 243 NORTHBOURNE AVENUE
CANBERRA ACT 2601
spiire.com.au ABN 55 050 029 635

The Village Building Co Est. 1988

Designed JB
Authorised BC

Checked SB
Date 06-12-2022

SOUTH JERRABOMBERRA DOG PARK
EXISTING SERVICES PLAN
SHEET 1
QPRC
VILLAGE BUILDING COMPANY

Dwg No 309962CA020 Rev A



LEGEND

- SITE BOUNDARY
- GRADING LIMIT
- EXISTING SURFACE CONTOURS (1m INTERVAL)
- DESIGN SURFACE CONTOURS (1m INTERVAL)
- CUT
- FILL
- EXISTING TREE
- EXISTING TREE WITH PROTECTION FENCE
- EXISTING TREE TO BE REMOVED

EARTHWORKS VOLUME BREAKDOWN

CUT	-13,000m ³
FILL	37,100m ³
BALANCE	24,100m ³ (IMPORT)

NOTES :

- EARTHWORKS VOLUMES ARE TAKEN FROM EXISTING TO DESIGN SURFACE.
- AT COMPLETION OF BULK EARTHWORKS, SURFACE TO BE TOPSOILED, GRASS SEED AND REINSTATED.
- FILLING IS TO BE SOUND, CLEAN MATERIAL, REASONABLE STANDARD AND FREE FROM LARGE ROCK, STUMPS, ORGANIC MATTER. MATERIAL TO BE SORTED AND BLENDED SUCH THAT ALL SITE MATERIAL IS CONSUMED.
- PLACING OF FILL ON PREPARED AREAS SHALL NOT COMMENCE UNTIL AUTHORITY TO DO SO HAS BEEN OBTAINED BY COUNCIL.
- CONTRACTOR TO ENSURE THE PROTECTION OF NEARBY SERVICES FOR THE DURATION OF BULK EARTHWORKS.
- ALL WORKS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF QPRC DEVELOPMENT CONSTRUCTION SPECIFICATIONS.
- EXISTING TREES AFFECTED BY EARTHWORKS TO BE PROTECTED DURING THE COMPLETION OF BULK EARTHWORKS. INDICATIVE CANOPIES ARE SHOWN, TREES ARE CURRENTLY NOT MATURE.

COMPACTION STANDARDS

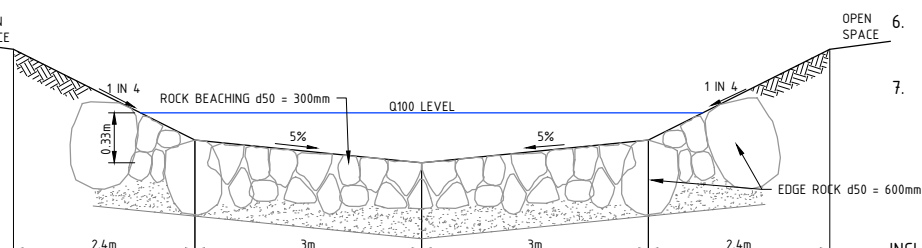
UNDER STREET PAVEMENTS
INCLUDING INFLUENCE ZONE AT 45° ANGLE FROM 100mm BACK OF KERB LINE.

- 92% MDD TO 500mm BELOW STREET SUBGRADE LEVEL.
- 95% MDD WITHIN 500mm OF STREET SUBGRADE LEVEL.

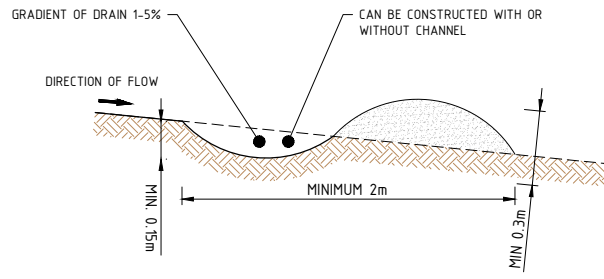
UNDER STREET VERGES & OPEN SPACE
- 92% MDD.

CARRY OUT EARTHWORKS TO FOLLOWING LEVELS

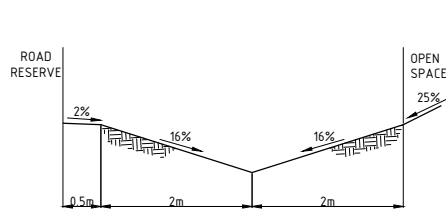
- NOMINATED SUBGRADE LEVEL FOR ROADS.
- LEAVE VERGES AND OPEN SPACES 100mm LOW AND FILL WITH ONSITE TOPSOIL TO DESIGN LEVELS



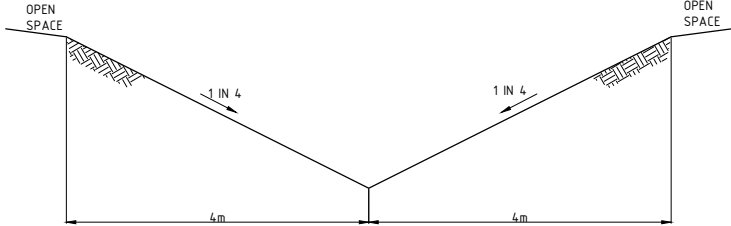
SECTION 01
TYPICAL SWALE
NOT TO SCALE



SECTION 02
PERMANENT CUT OFF BUND
NOT TO SCALE

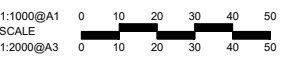


SECTION 04
CUT OFF SWALE
NOT TO SCALE



SECTION 03
CUT OFF SWALE
NOT TO SCALE

Scale



© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



SUITE 3, LEVEL 1, 243 NORTHBOURNE AVENUE
CANBERRA ACT 2601
spiire.com.au ABN 55 050 029 635

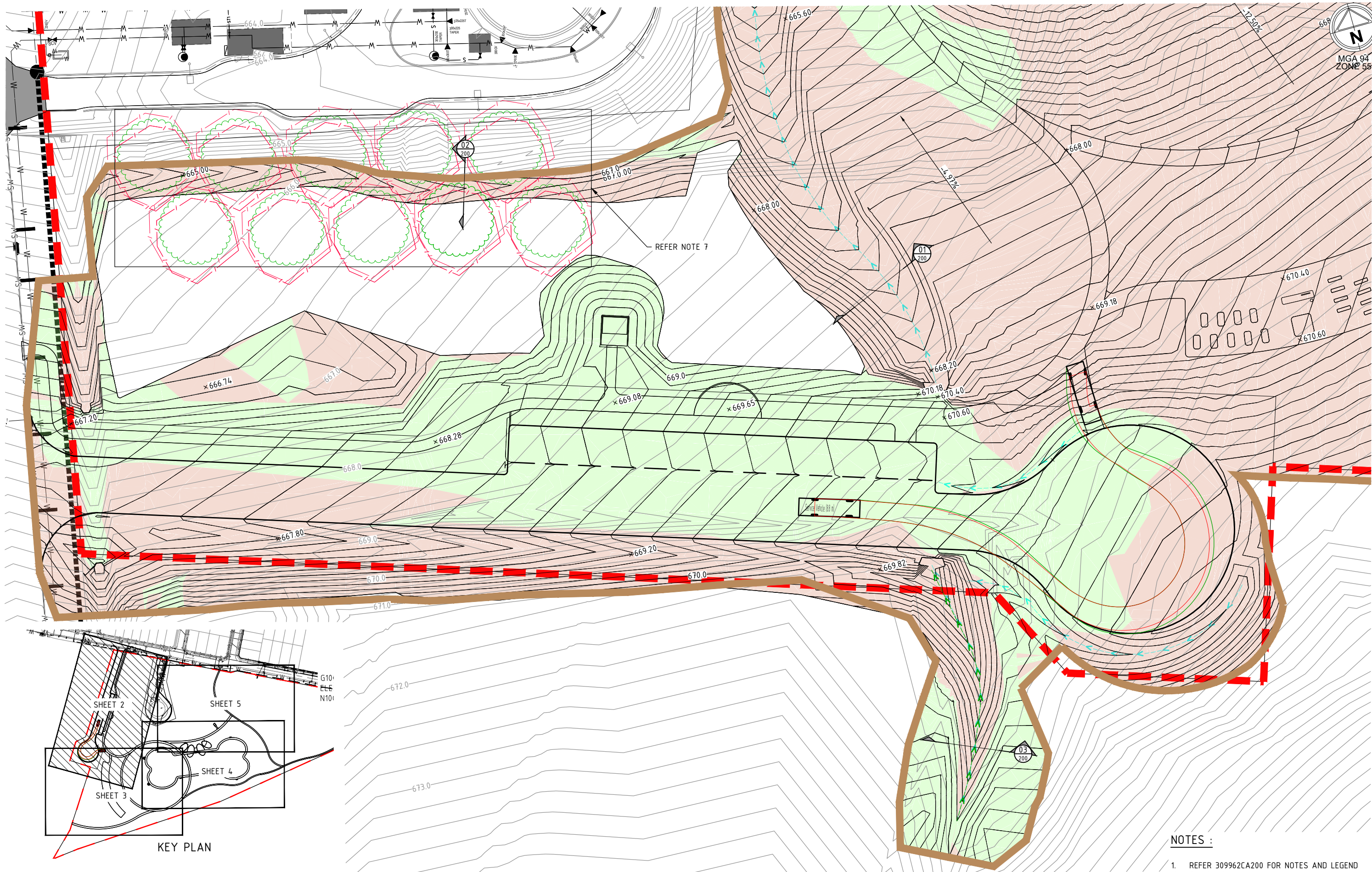


Designed
JB
Authorised
BC
Checked
SB
Date
06-12-2022

**SOUTH JERRABOMBERRA
DOG PARK
GRADING PLAN
SHEET 1**
QPRC
VILLAGE BUILDING COMPANY

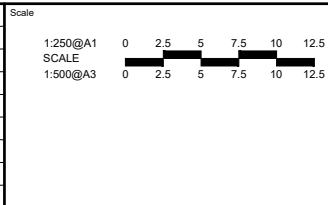
Dwg No
309962CA200
Rev
A

file name: 309962CA200.dwg, layout name: CA201, plotted by: Jordan Branden,
file location: \\spire\candara\data\30\309962CA200\CA201.dwg, date: 09/12/2022, 12:46 PM, Sheet: 6 of 11 Sheets



NOTES :
1. REFER 309962CA200 FOR NOTES AND LEGEND

A		ISSUED FOR APPROVAL	BC	06/12/22
Rev	Amendments	Approved	Date	



spiire

SUITE 3, LEVEL 1, 243 NORTHBOURNE AVENUE
CANBERRA ACT 2601
spiire.com.au ABN 55 050 029 635

The Village Building Co Est. 1988

Designed
JB

Authorised
BC

Checked
SB

Date
06-12-2022

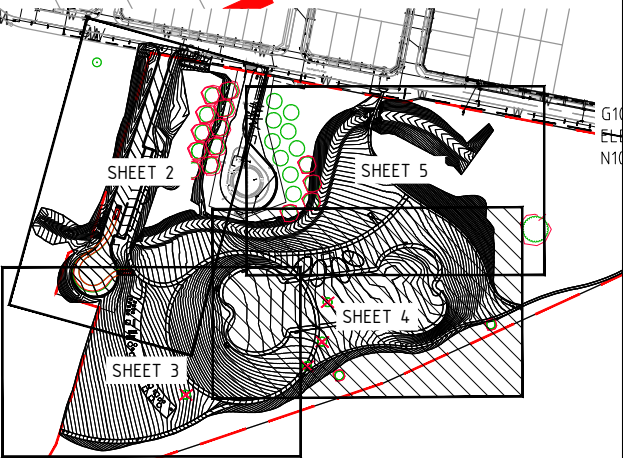
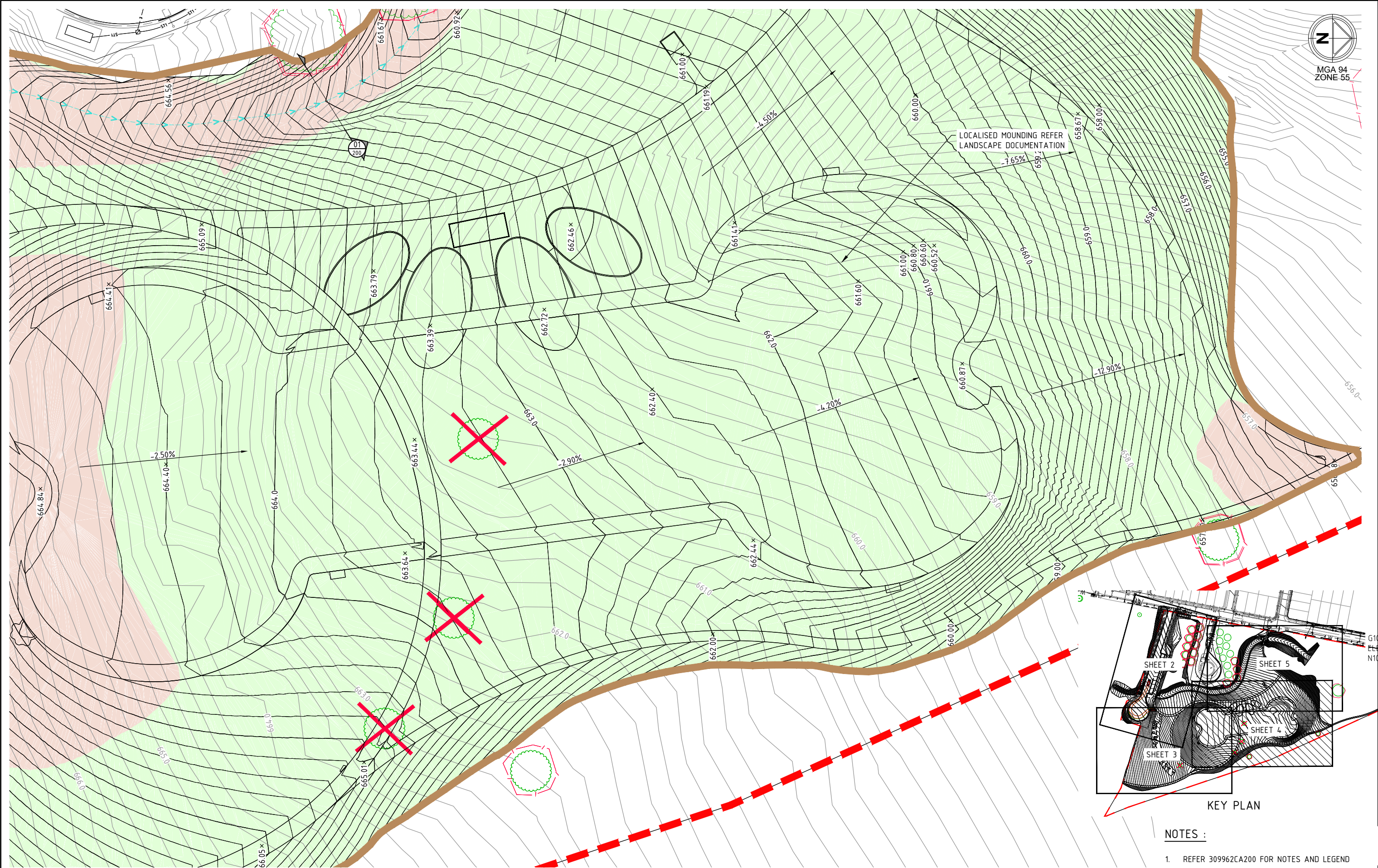
**SOUTH JERRABOMBERRA
DOG PARK
GRADING PLAN
SHEET 2**

QPRC
VILLAGE BUILDING COMPANY

Dwg No
309962CA201

Rev
A

file name: 309962CA200.dwg, layout name: CA203, plotted by: Jordan Bererton, file location: \\spire\candara\data\30\309962\Civil\ACAD Plot, date: 09/12/2022, 12:46 PM, Sheet: 8 of 11 Sheets

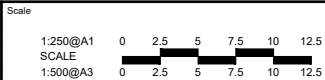


KEY PLAN

NOTES :

1. REFER 309962CA200 FOR NOTES AND LEGEND

A		ISSUED FOR APPROVAL	BC	06/12/22
Rev	Amendments		Approved	Date



© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire

SUITE 3, LEVEL 1, 243 NORTHBOURNE AVENUE
CANBERRA ACT 2601
spiire.com.au ABN 55 050 029 635

The Village
Building Co Est. 1988

Designed
JB
Authorised
BC

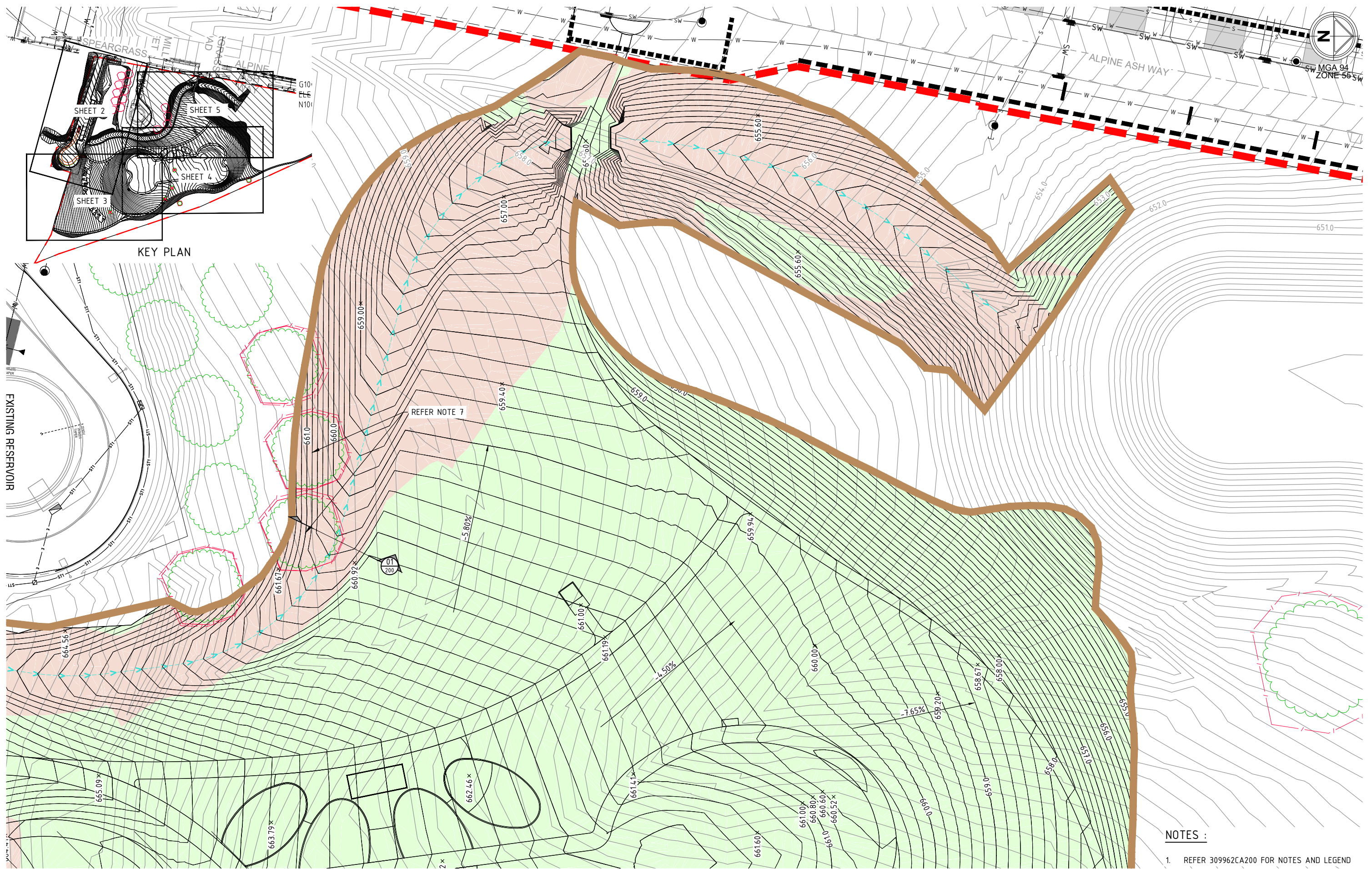
Checked
SB
Date
06-12-2022

**SOUTH JERRABOMBERRA
DOG PARK
GRADING PLAN
SHEET 4**
QPRC
VILLAGE BUILDING COMPANY

Dwg No
309962CA203

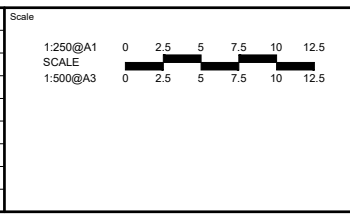
Rev
A

file name: 309962CA200.dwg, layout name: CA200, plotted by: Jordan Breerton
file location: G:\30\309962\Civil\A3\CA200.dwg, plot date: 09/12/2022, 12:47 PM, Sheet: 9 of 11 Sheets



NOTES :
1. REFER 309962CA200 FOR NOTES AND LEGEND

A		ISSUED FOR APPROVAL	BC	06/12/22
Rev	Amendments	Approved	Date	



© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
SUITE 3, LEVEL 1, 243 NORTHBOURNE AVENUE
CANBERRA ACT 2601
spiire.com.au ABN 55 050 029 635

The Village Building Co Est. 1988
Designed JB
Authorised BC
Checked SB
Date 06-12-2022

SOUTH JERRABOMBERRA DOG PARK GRADING PLAN SHEET 5
QPRC VILLAGE BUILDING COMPANY
Drg No 309962CA204
Rev A

GENERAL NOTES

1.

THIS DRAWING TYPIFIES THE EROSION CONTROL PRINCIPLES REQUIRED FOR WORKS WITHIN THE QUEANBEYAN PALARANG REGIONAL COUNCIL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN, CONSTRUCT AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES TO COMPLY WITH THE REQUIREMENTS OF THE QPRC SPECIFICATION C211 – CONTROL OF EROSION AND SEDIMENTATION, VERSION 1 JANUARY 2019.
2.

VARIATIONS TO APPROVED CONCEPTS AND PROPOSALS ARE TO BE ENDORSED BY QPRC PRIOR TO IMPLEMENTATION.
3.

SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED AS PER THE MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION, 4TH EDITION. 2004.

PRE CONSTRUCTION PHASE

1.

CONSTRUCT STABILISED DRIVEWAY ENTRANCES.
2.

CONSTRUCT SEDIMENT BASINS, DIVERSION CATCH DRAINS, DIVERSION BANKS OR OTHER DIVERSION WORKS AS REQUIRED. GRASS EMBANKMENTS AND INVERTS. PLACE BITUMEN STABILISED STRAW MULCH AND JUTE MESH TO WHITE WATER DRAINS.
3.

CONSTRUCT SILT FENCES AND COMBINED HAY BALE/SILT FENCES AS SHOWN.

CONSTRUCTION PHASE

1.

NO STOCKPILES, HAUL ROADS OR TRACKS ARE TO BE ESTABLISHED IN AREAS OTHER THAN THOSE SPECIFIED IN THE DOCUMENTS AND AS SHOWN ON THE PLAN. THE WORKS SHALL BE PLANNED TO ENSURE THAT A MINIMUM AREA OF THE SITE IS DISTURBED AT ANY ONE TIME.
2.

ALL OVERLAND FLOW CHANNELS SHALL BE TOPSOILED, GRASSED AND MULCHED IMMEDIATELY AFTER THEIR COMPLETION.
3.

ALL EARTHWORKS SHALL BE CARRIED OUT EXPEDITIOUSLY, TOPSOILED, GRASSED AND MULCHED IMMEDIATELY ON COMPLETION. SITE RESTORATION SHALL BE CARRIED OUT PROGRESSIVELY AS THE WORKS PROCEED.
4.

ALL AREAS OF THE SITE BEYOND EARTHWORKS AND DRAINAGE WORKS LIMITS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REVEGETATED IMMEDIATELY AND AT THE CONTRACTOR'S EXPENSE.
5.

SILT FENCES ARE TO BE CONSTRUCTED ON THE DOWNSTREAM SIDE OF ANY STOCKPILES THAT DO NOT HAVE A GRASSED BUFFER OF 20m OF UNDISTURBED NATURAL VEGETATION.
6.

PLACE SILT FENCES ACROSS FLOW PATHS DURING CONSTRUCTION STAGING WHERE INTERMEDIATE SILT FENCES CAN BE DOWNSTREAM OF CONSTRUCTION ZONE.
7.

ALL TRUCKS EXPORTING MATERIALS OFF SITE SHALL HAVE THE LOAD COVERED.

POST CONSTRUCTION PHASE

1.

FILL DIVERSIONS AND STABILISE DISTURBED AREAS.
2.

SILT FENCES FOR BLOCKS AND STABILISED DRIVEWAY ENTRANCES ARE TO REMAIN AFTER CONSTRUCTION.

SEDIMENT CONTROL NOTES

1.

SEDIMENT AND EROSION CONTROL DEVICES TO BE INSTALLED AND FULLY OPERATIONAL PRIOR TO STRIPPING OF SITE TOPSOIL.
2.

STOCK PILE/S TO BE LOCATED AWAY FROM DRAINAGE LINES AND SURFACE FLOW PATHS. CONTOURED STRIATIONS OR FURROWS TO BE PROVIDED TO STOCK PILES TO MINIMISE EROSION.
3.

STABILISED CONSTRUCTION ENTRANCE TO BE CONSTRUCTED PRIOR TO ACCESS TO SITE BY CONSTRUCTION VEHICLES. AGGREGATE TO BE TURNED WHEN SEDIMENT BUILDS UP.
4.

TOTAL SITE AREA IS 7.765ha.
5.

TOTAL DISTURBED AREA IS 4.793ha.
6.

CONTRACTOR IS TO ESTABLISH A MAINTENANCE PROGRAM FOR SEDIMENT AND EROSION CONTROL DEVICES TO ENSURE INSPECTION AFTER SIGNIFICANT RAINFALL AND THAT ANY REPAIRS NECESSARY ARE QUICKLY ATTENDED TO. LIMIT ACCESS TO SITE DURING AND IMMEDIATELY AFTER WET WEATHER.
7.

REGULARLY REMOVE ANY SOIL FROM ROADS ADJACENT TO THE SITE.
8.

NO STORAGE OF CONSTRUCTION MATERIALS, PARKING OF VEHICLES NOR EQUIPMENT PERMITTED IN VERGES OR OPEN SPACE WITHOUT QRPC APPROVAL.
9.

NO SITE SHEDS, STORAGE SHEDS, SITE AMENITIES TO BE ERECTED ON VERGES OR OPEN SPACE WITHOUT QRPC APPROVAL.
11.

PROVIDE KERBSIDE FILTER ROLL TO EXISTING DOWNSTREAM SUMPS.
12.

KERBSIDE FILTER ROLLS TO BE REMOVED, CLEANED AND REINSTATED ON WEEKLY BASIS AT A MINIMUM. TRAPPED SEDIMENT AROUND SUMPS ALSO TO BE REMOVED. CLEANING IS ALSO TO TAKE PLACE IMMEDIATELY AFTER PERIODS OF RAINFALL DURING CONSTRUCTION.
13.

EXCESS SOIL IS TO BE DISPOSED AT A LOCATION APPROVED BY SUPERINTENDENT. ALL BUILDING MATERIAL AND WASTE STOCKPILES SHALL BE LOCATED WITHIN A WASTE ENCLOSURE OR WASTE CONTAINMENT AREA ON THE SITE.

SEDIMENT BASINS

1.

SEDIMENT BASINS SHALL BE FULLY MAINTAINED BY THE CONTRACTOR UNTIL THE DISTURBED CATCHMENT AREA IS PROTECTED AGAINST EROSION BY PERMANENT STABILISATION. PROTECTION SHALL BE PROVIDED FOR THE FINAL LANDSCAPE WORKS UTILISING SILT CONTROL FENCING.
2.

THE SEDIMENT BASIN SHALL BE CLEANED OUT WHEN THE VOLUME REMAINING IS REDUCED BY SEDIMENTATION TO 90%.
3.

THE EMBANKMENT SHALL BE STABILISED WITH HESSIAN TEMPORARILY.
4.

QRPC TO BE ADVISED OF PROPOSED POND DISCHARGE PRIOR TO DISCHARGE.
5.

BASINS TO BE GRASSED.

MAINTENANCE SCHEDULE

- MONTHLY:

1.

TURN OVER STABILISED CONSTRUCTION ENTRY MATERIAL AND TOP UP AS REQUIRED.

WEEKLY:

2.

CHECK AND REINSTATE SILT CONTROL DEVICES.

3.

MONITOR CONDITION AND STORAGE VOLUMES OF ALL SEDIMENT AND TEMPORARY SEDIMENT BASINS

DAILY:

4.

SWEEP AND REMOVE ANY DIRT TRACKED ONTO PUBLIC ROADS BY VEHICLES. ALL NECESSARY STEPS SHOULD BE TAKEN THAT ARE PRACTICAL AND REASONABLE TO MINIMISE DUST POLLUTION FROM THE SITE.

5.

CHECK WEATHER REPORT AT www.bom.gov.au FOR ANTICIPATED PRECIPITATION.

6.

EMPTY TEMPORARY SEDIMENT BASINS IF STORM EVENT IS FORECAST OR IMMINENT.

DUST MANAGEMENT

1.

A WATER CART/S OR SUFFICIENT WATER SPRAYS SHALL BE MADE AVAILABLE IN DRY AND WINDY CONDITIONS TO MAINTAIN DUST SUPPRESSION.
2.

WATER SHALL BE APPLIED TO SUPPRESS DUST FROM OPEN EARTHWORKS AS WELL AS UNPROTECTED STOCKPILES.
3.

STOCKPILES SHALL BE EITHER COVERED OR SEEDED TO PREVENT DUST.
4.

AREAS OF COMPLETED EARTHWORKS SHALL BE PROGRESSIVELY REHABILITATED WITH DRYLAND GRASS AND FENCED OFF AS SOON AS PRACTICABLE TO PREVENT FURTHER EROSION.
5.

THE CONTRACTOR SHALL CONTACT QRPC TO OBTAIN AN EXEMPTION TO USE WATER ON THE SITE.
6.

IN THE EVENT OF HIGH WINDS, WHERE DUST CANNOT BE CONTROLLED, WORK SHALL CEASE IMMEDIATELY.

CONTROL OF WASTE

1.

ALL BUILDING MATERIAL AND WASTE STOCKPILES MUST BE LOCATED ON SITE. THE WASTE ENCLOSURE IS TO BE USED AND IS TO BE CAPABLE OF HOLDING ALL WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF IN AN APPROPRIATE MANNER.

EXPORT OF SOIL

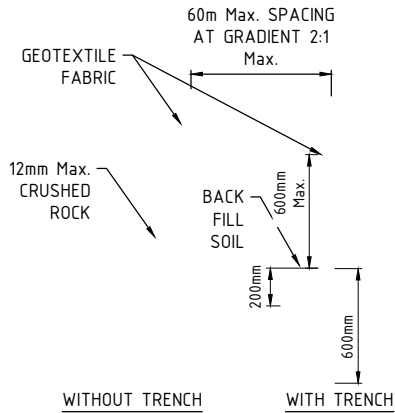
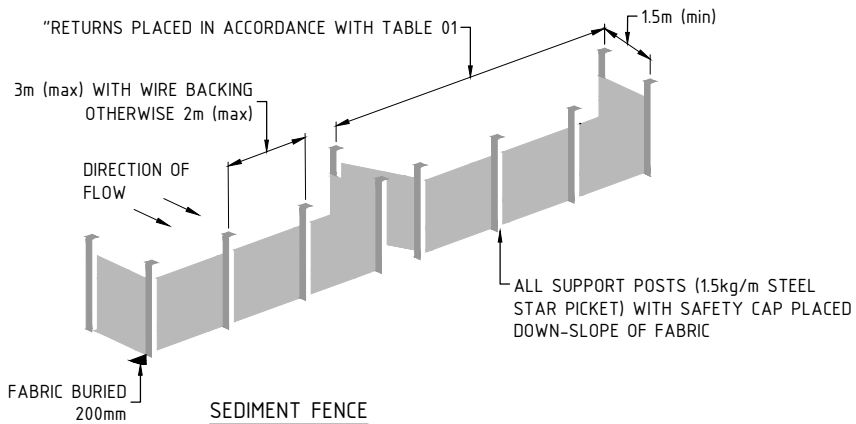
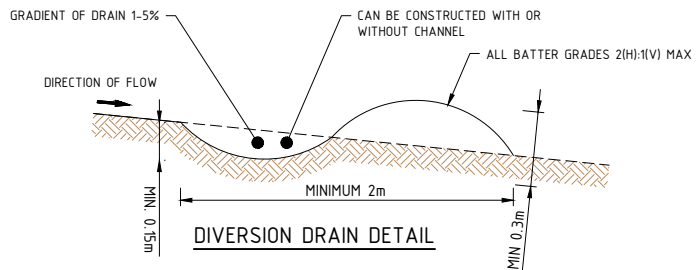
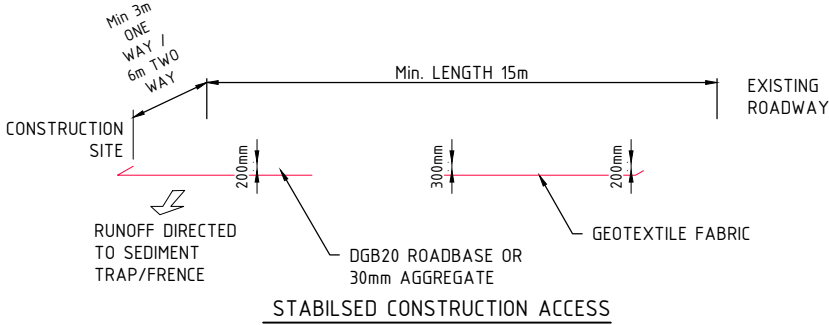
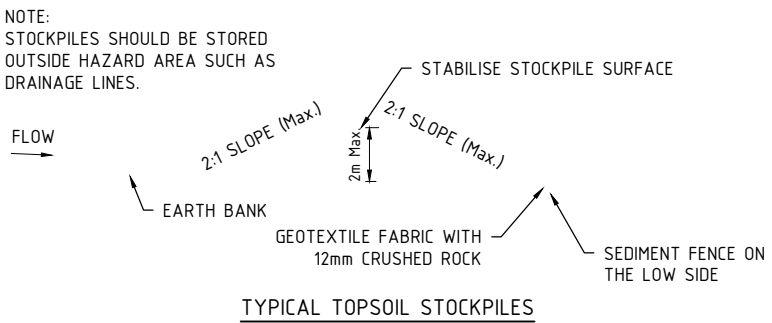
1.

IF SOIL IS TO BE REMOVED FROM OR IMPORTED TO SITE, THE DETAILS OF THE ORIGIN OF THE SOIL IMPORTED OR THE LOCATION WHERE THE SOIL IS TO BE EXPORTED ARE TO BE PROVIDED TO QRPC A MINIMUM OF 2 WEEKS IN ADVANCE OF THE WORK.

DESIGN BASIS

1.

THE PRINCIPLES OF THESE PLANS ARE BASED ON THE MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION, 4TH EDITION. 2004 GUIDELINES.



LEGEND

- FINISHED SURFACE CONTOURS
-0.2m MINOR INTERVAL

750.0
- STABILISED ACCESS
- SITE STOCKPILE
- TEMPORARY CONSTRUCTION FENCE
- SILT FENCE

SF
- DIVERSION DRAIN
- CONSTRUCTION SWALE
- EXISTING SURFACE OVERLAND FLOW DIRECTION
- TEMPORARY SEDIMENT BASIN
- DISTURBED AREA
- CLEAN CATCHMENT

SEDIMENT BASIN A

- SITE AREA

-

TOTAL CATCHMENT AREA = 0.753 HECTARES

-

DISTURBED CATCHMENT AREA = 0.753 HECTARES
- SOIL ANALYSIS

-

TYPE D
- RAINFALL DATA

-

DESIGN RAINFALL DEPTH = 5 DAYS

-

DEISGN RAINFALL DEPTH = 90%

-

X-DAY, Y PERCENTILE RAINFALL EVENT = 33mm

-

R FACTOR = 1500

RUSLE FACTORS

-

SOIL ERODIBILITY (K-FACTOR) = 0.049

-

SLOPE LENGTH = 80m

-

SLOPE GRADIENT = 5%

-

L-S FACTOR = 1.19

-

P-FACTOR = 1.3

-

C-FACTOR = 1

SEDIMENT BASIN CRITERIA

-

STORAGE ZONE DESIGN = 3 MONTHS

-

C_s = 0.56

SEDIMENT BASIN STORAGE VOLUME = 16m³

SEDIMENT BASIN SETTLING VOLUME = 139m³

SEDIMENT BASIN TOTAL VOLUME = 155m³

SEDIMENT BASIN B

SITE AREA

-

TOTAL CATCHMENT AREA = 4.04 HECTARES

-

DISTURBED CATCHMENT AREA = 4.04 HECTARES

SOIL ANALYSIS

-

TYPE D

RAINFALL DATA

-

DESIGN RAINFALL DEPTH = 5 DAYS

-

DEISGN RAINFALL DEPTH = 90%

-

X-DAY, Y PERCENTILE RAINFALL EVENT = 33mm

-

R FACTOR = 1500

RUSLE FACTORS

-

SOIL ERODIBILITY (K-FACTOR) = 0.049

-

SLOPE LENGTH = 300m

-

SLOPE GRADIENT = 10%

-

L-S FACTOR = 6.92

-

P-FACTOR = 1.3

-

C-FACTOR = 1

SEDIMENT BASIN CRITERIA

-

STORAGE ZONE DESIGN = 3 MONTHS

-

C_s = 0.56

SEDIMENT BASIN STORAGE VOLUME = 514m³

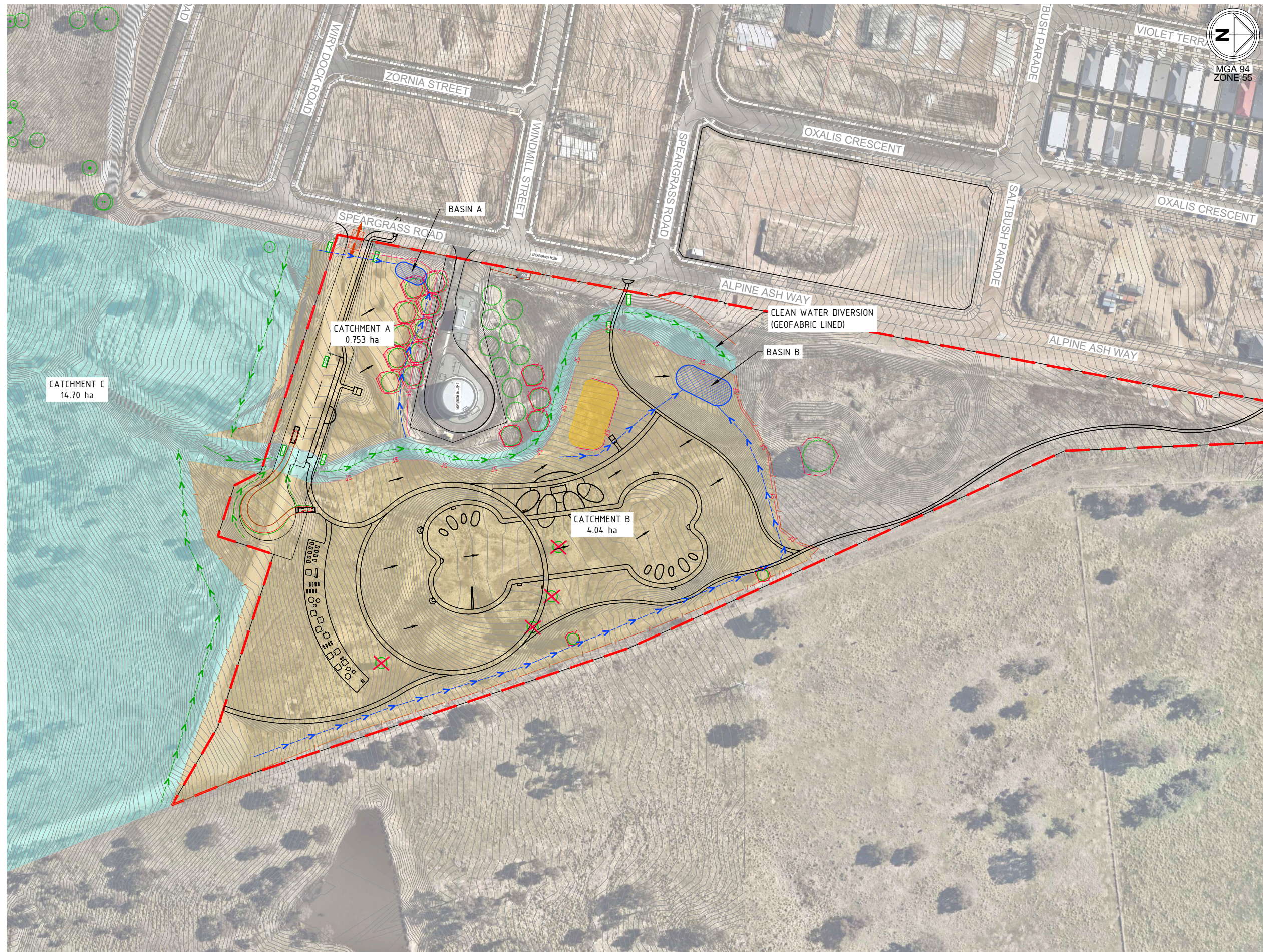
SEDIMENT BASIN SETTLING VOLUME = 747m³

SEDIMENT BASIN TOTAL VOLUME = 1261m³

SOUTH JERRABOMBERRA
DOG PARK
ENVIRONMENTAL CONTROLS CONCEPT PLAN
SHEET 1
QPRC
VILLAGE BUILDING COMPANY

Drg No
309962CA800
Rev
A

file name: 309962CA800.dwg, layout name: CA800, plotted by: Jordan Breerton, file location: \\spiire\candata\data\30\309962CA800.dwg, date: 09/12/2022, 12:48 PM, Sheet: 10 of 11, Sheets



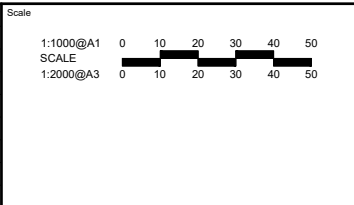
NOTES

1. REFER TO DRAWING 309962CA800 FOR NOTES, LEGEND AND TYPICAL DETAILS

CONCEPT ONLY

file name: 309962CA800.dwg, layout name: CA800, plotted by: Jordan Brecken, file location: G:\30\309962\Civil\ACAD plot date: 09/12/2022, 12:48 PM, Sheet 11 of 11 Sheets

A		ISSUED FOR APPROVAL	BC	06/12/22
Rev	Amendments		Approved	Date



System Certified

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

SUITE 3, LEVEL 1, 243 NORTHBOURNE AVENUE
CANBERRA ACT 2601
spiire.com.au ABN 55 050 029 635

Designed
JB
Authorised
BC

Checked
SB
Date
06-12-2022

**SOUTH JERRABOMBERRA
DOG PARK
ENVIRONMENTAL CONTROLS CONCEPT PLAN
SHEET 2**
QPRC
VILLAGE BUILDING COMPANY

Dwg No
309962CA801

Rev
A