





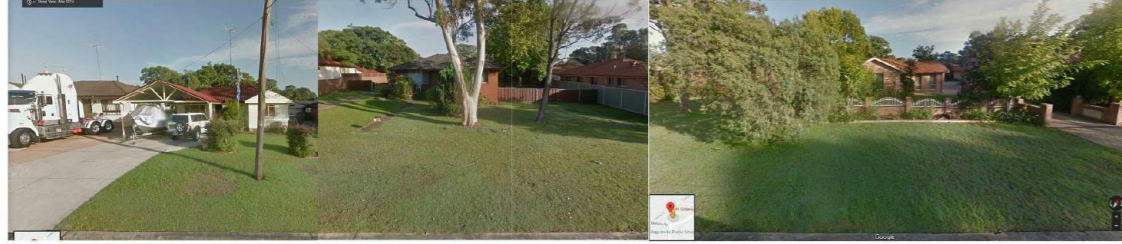
FRONT VIEW



REAR VIEW

**EXTERNAL FINISHES
SCHEDULE**

| | | | | | | | |
|---|--|--|--|---|--|--|---|
| | | | | | | | |
| <p>F1- Main Facade: Biowood Facade screen with Clip 50x50 <i>Natural oak</i> <i>Finished/Spotted gum</i> <i>Sanded</i></p> | <p>F2- Main Facade: Elmich Versiwall GP Green wall system</p> | <p>F3- Feature Facade Wall: Acrylic render <i>Dulux Billiard Ball</i></p> | <p>F4- Brickwork Austral Bricks <i>La Paloma Miro</i></p> | <p>F5- Decking Biowood Composite Decking 90x28 Spotted Gum</p> | <p>F6- Metal roofing Trimdek Colorbond <i>Woodland gray</i></p> | <p>F7- Fascia & downpipes, aluminium door /windows <i>Woodland Grey</i></p> | <p>F8- Accent Colour Acrylic Render on Brickwork <i>Dulux Teahouse</i></p> |



NO. 51 GIBBES STREET **SUBJECT SITE - NO. 49 GIBBES STREET** NO. 47 GIBBES STREET

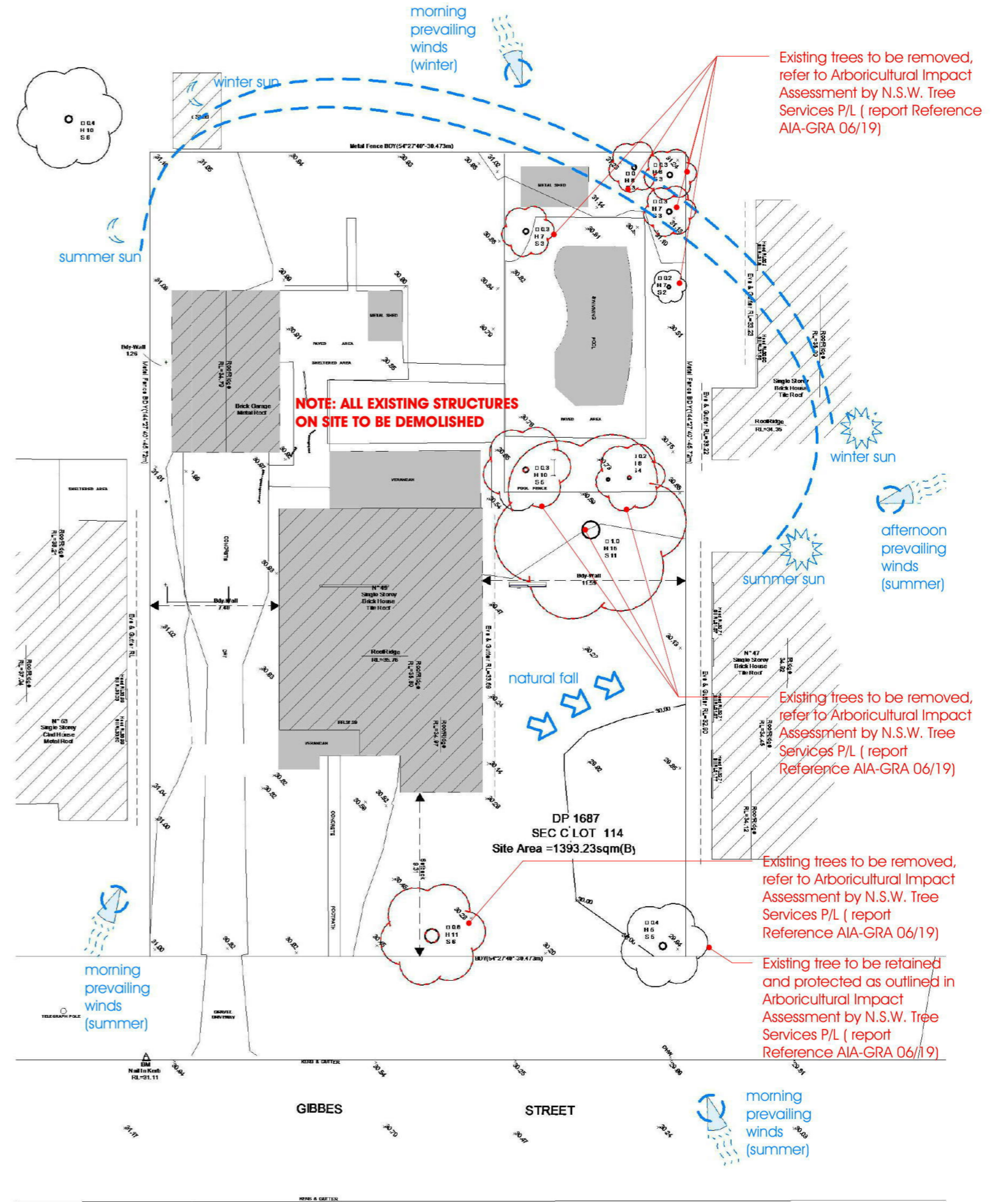
EXISTING STREETScape



SUBJECT SITE
1393.23 m²

LOCATION PLAN

SCALE: NTS (A3)

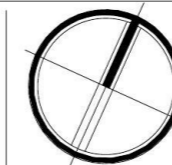


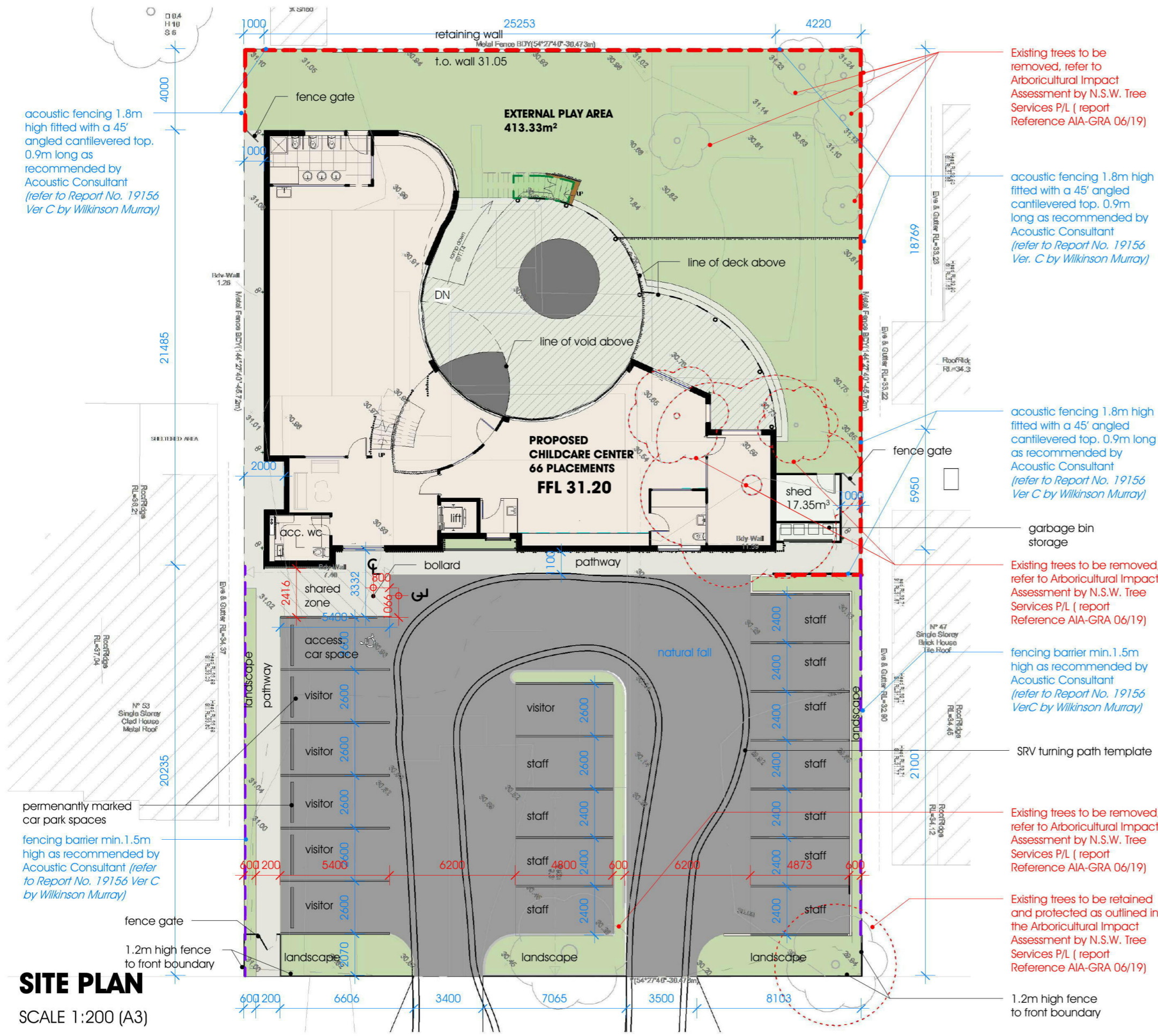
SITE ANALYSIS & DEMOLITION PLAN

SCALE: 1:300 (A3)

AMENDMENTS:

PROJECT NO.:





SITE PLAN
SCALE 1:200 (A3)

CALCULATIONS & COMPLIANCE TABLE

| | | |
|----------------------------------|---------------------------------------|----------------------------|
| SITE ADDRESS | 49 GIBBES ST, REGENTVILLE, NSW | |
| SITE AREA | 1393.23 m ² | |
| SITE FRONTAGE | 30.473 m | |
| INTERNAL AREA DATA | AREA REQ. | AREA PROVIDED: |
| PLAYROOM 1 (0-2 yrs old) 16x3.25 | 52.00 m ² | 66.06 m ² |
| PLAYROOM 2 (3-5 yrs old) 30x3.25 | 97.50 m ² | 97.75 m ² |
| PLAYROOM 3 (2-3 yrs old) 20x3.25 | 65.00 m ² | 65.97 m ² |
| EXTERNAL AREA DATA | AREA PROVIDED: | |
| PLAY AREA 1 | 413.33 m ² | |
| PLAY AREA 2 | 108.10 m ² | |
| TOTAL PLAYSPACE (66x7) | 462.00 m² | 521.43m² |
| GFA | | |
| GROUND FLOOR | 275.44 m ² | |
| FIRST FLOOR | 222.97 m ² | |
| TOTAL GFA | 498.41 m² | |
| FSR | 0.35:1 | |
| SITE COVERAGE | 299.62 m² or 21.50% | |
| CARPARKING | CARPARKING | |
| NO. OF STAFF: | | |
| PLAYROOM 01 (0-2 YRS) 1:4 | 11 | |
| PLAYROOM 02 (3-5 YRS) 1:10 | 04 | |
| PLAYROOM 03 (2-3 YRS) 1:5 | 03 | |
| PARENTS (1 per 10): | 07 | |
| TOTAL | 18 (incl. 01 Accessible) | |
| TOTAL NO. OF CHILDREN | 66 | |

ACOUSTIC RECOMMENDATIONS:

6 NOISE CONTROL RECOMMENDATION
The worst-case day-time operational scenarios presented in Section 5.4 are predicted to exceed the relevant noise standards at four receiver locations. The following recommendations in this section is to achieve the noise criteria for children to play outdoors throughout the whole day, background level + 5dB noise criterion.

6.1 Noise Barrier
The proposed noise barrier should consist of the following properties:

- All joints between noise barrier panels should be sealed airtight and should not have an air gap between the screens. If a gap is required underneath the barrier, we recommend that the gap be kept to a minimum so that it is installed close to the ground as much as possible;
- The construction of the proposed noise barrier may be formed solid material with a density of greater than 20kg/m²;
- The surrounding playground barrier height should be no less than 1.8m high and is to be fitted with a 45° angled cantilevered top, approximately 0.9m long. The internal walls of the playground noise barrier should be fitted with sound absorbers with a Noise Reduction Coefficient (NRC) of 0.8;
- The east and west boundary barrier adjacent to the parking lot should be no less than 1.5m high;
- Figure 6-1 presents the layout of the playground (red) and parking lot (purple) noise barrier.
- The balustrade on the first-floor playroom deck should also have the barrier qualities as outline above and should be no less than 1.5m high.

6.2 Assigned windows/sliding doors to be closed
The following windows should remain closed while all children are actively playing inside:

- North-East side of sliding door Playroom 2;
- Playroom 3 window facing east.

6.3 Mechanical Plant
The following noise control for mechanical units should be considered:

- Install the condenser unit east wall of Playroom 2 or at the front of the childcare centre site as shown in Figure 6-1.
- Ensure the Sound Power Level of the condenser units do not exceed 70dBa.

LEGEND

| | |
|--|---------------------------|
| | INDOOR UNENCUMBERED AREA |
| | OUTDOOR UNENCUMBERED AREA |
| | ACOUSTIC FENCE 1.8m high |
| | FENCE 1.5m high |

AMENDMENTS: PROJECT NO.:

ENVISION GROUP PTY. LTD.
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projects@envisiongroup.com.au
Level 15/60 Station Street Parramatta, NSW, 2150
PO Box 3371, Wetherill Park, NSW, 2164
envisiongroup.com.au

bdca
ACCREDITED
BUILDING DESIGNER

| | | |
|---|---|------------|
| A | Issued for Comments | 01.04.2019 |
| B | Revised Sketch issued for Comments | 07.05.2019 |
| C | Issued for Comments | 28.05.2019 |
| D | Revised as per Consultants Comments/Issued for DA | 18.06.2019 |

#82

DA 02

Grace Village Child Care Center
Proposed Child Care Center
0 1 2m
Lot 114 Sec C, DP 1687, 49 Gibbes St, Regentville NSW

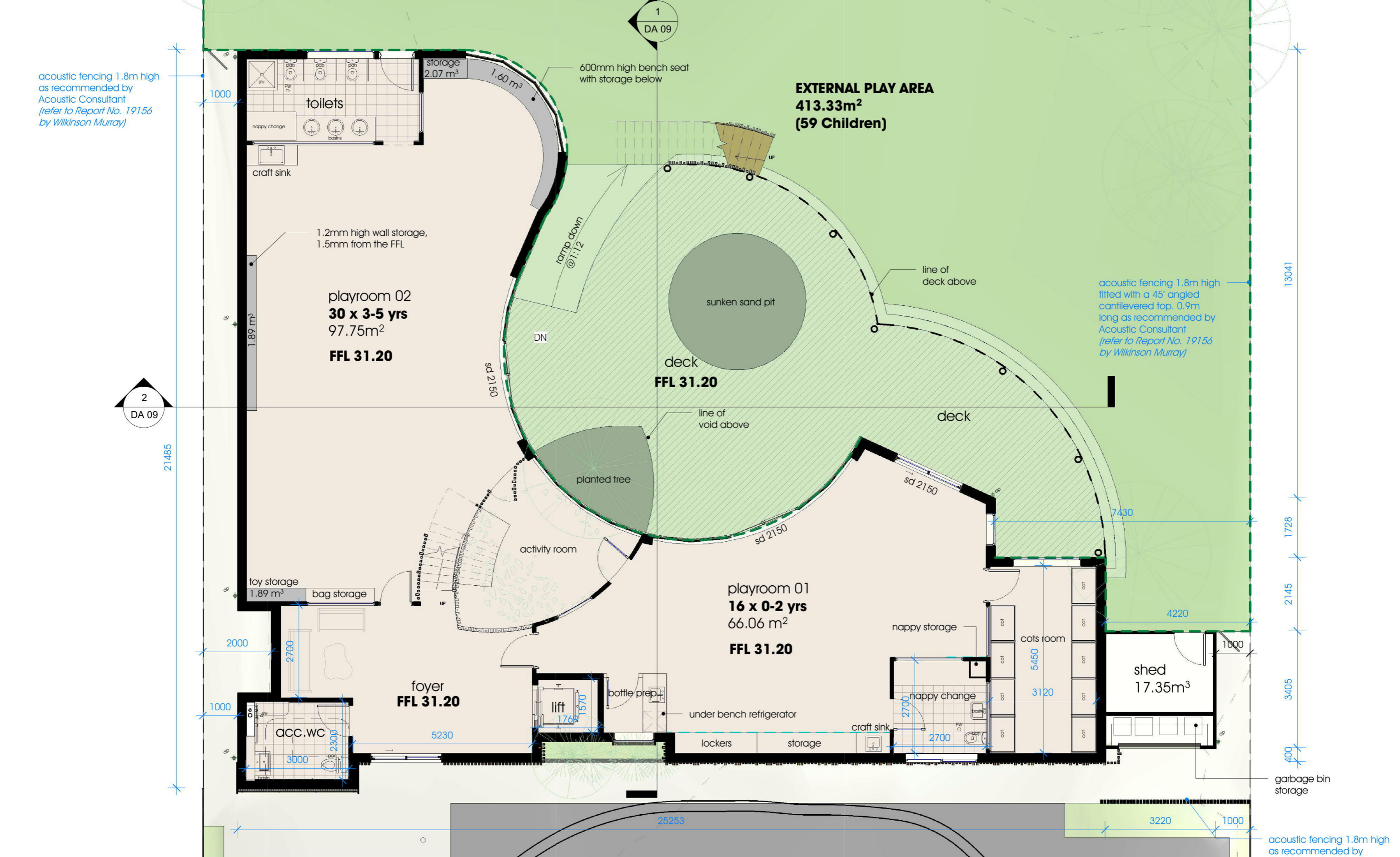
acoustic fencing 1.8m high as recommended by Acoustic Consultant (refer to Report No. 19156 by Wilkinson Murray)

acoustic fencing 1.8m high fitted with a 45° angled cantilevered top, 0.9m long as recommended by Acoustic Consultant (refer to Report No. 19156 by Wilkinson Murray)

acoustic fencing 1.8m high as recommended by Acoustic Consultant (refer to Report No. 19156 by Wilkinson Murray)

GROUND FLOOR PLAN

SCALE 1:100 (A3)

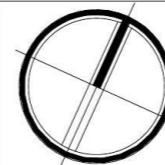


AMENDMENTS:

PROJECT NO.:

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- D Revised as per Consultants Comments/Issued for DA 18.06.2019

#82



DA 03

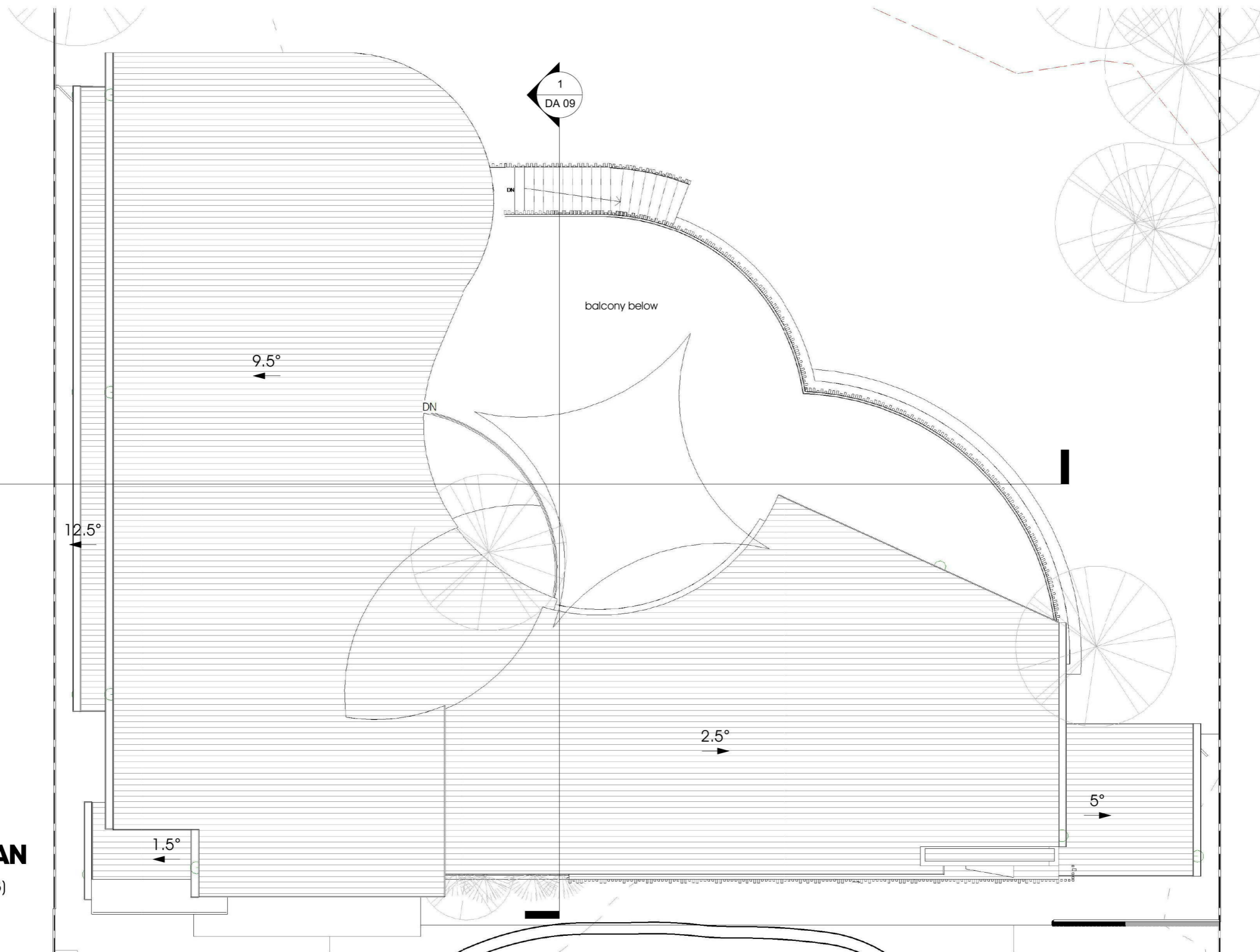
ENVISION GROUP PTY. LTD.
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 projects@envisiongroup.com.au
 Level 15/60 Station Street Parramatta, NSW, 2150
 PO Box 3371, Wetherill Park, NSW, 2164
 envisiongroup.com.au



Grace Village Child Care Center

Proposed Child Care Center

0 1 2m
 Lot 114 Sec C, DP 1687,49 Gibbes St, Regentville NSW



ROOF PLAN

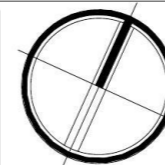
SCALE 1:100 (A3)

AMENDMENTS:

PROJECT NO.:

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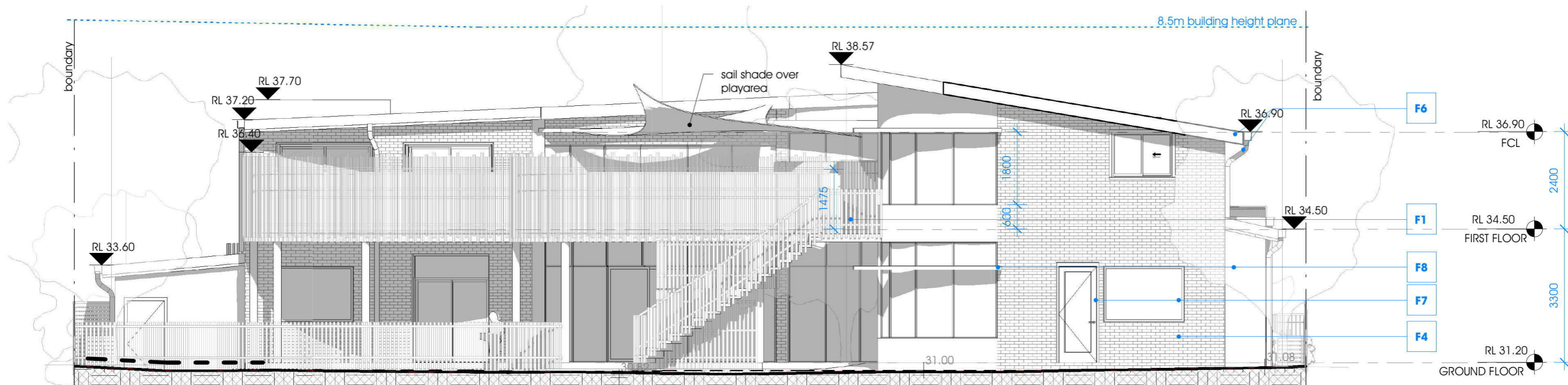


DA 05

Grace Village Child Care Center

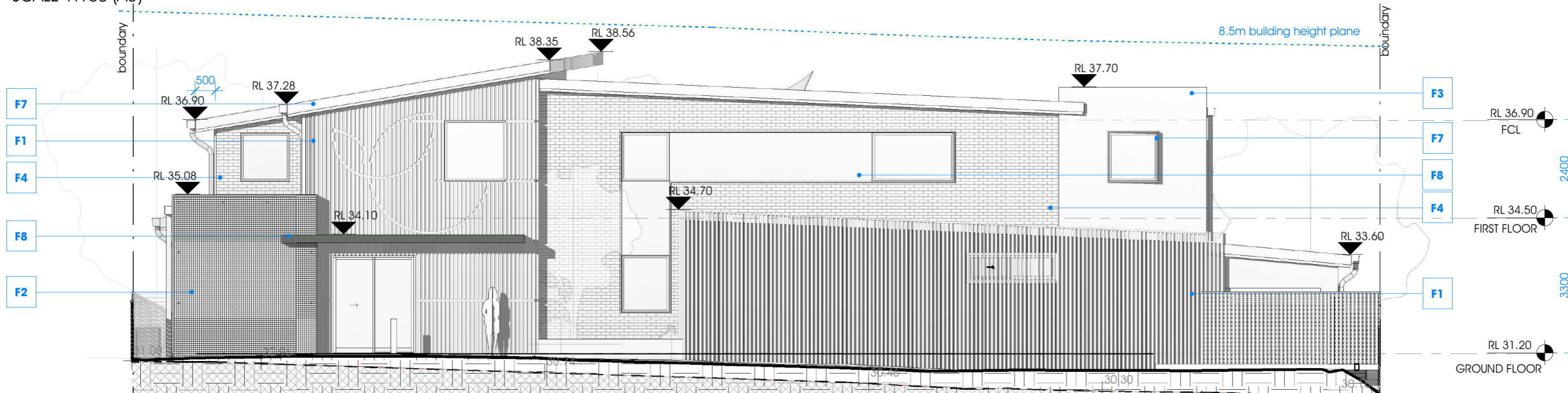
Proposed Child Care Center

0 1 2m
Lot 114 Sec C, DP 1687,49 Gibbes St, Regentville NSW



NORTH ELEVATION

SCALE 1:100 (A3)



SOUTH ELEVATION

SCALE 1:100 (A3)

EXTERNAL FINISHES SCHEDULE

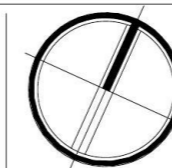
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| | | | | | | | |
| F1- Main Facade: Biowood Facade screen with Clip 50x50 Natural oak Linished/Spotted gum Sanded | F2- Main Facade: Elmich Versiwall GP Green wall system | F3- Feature Facade Wall: Acrylic render Dulux <i>Billiard Ball</i> | F4- Brickwork Austral Bricks La Paloma <i>Miro</i> | F5- Decking Biowood Composite Decking 90x28 Spotted Gum | F6- Metal roofing Trimdek Colorbond <i>Woodland gray</i> | F7- Fascia & downpipes, aluminium door /windows <i>Woodland Grey</i> | F8- Accent Colour Acrylic Render on Brickwork Dulux <i>Teahouse</i> |

AMENDMENTS:

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#82

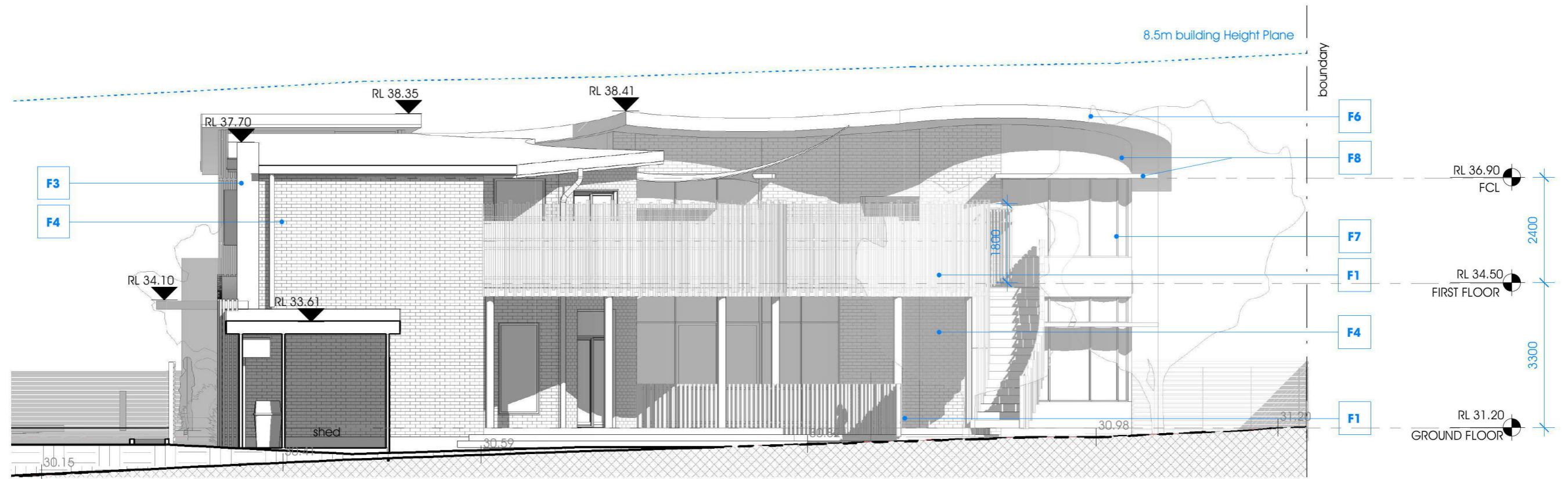


DA 07

Grace Village Child Care Center

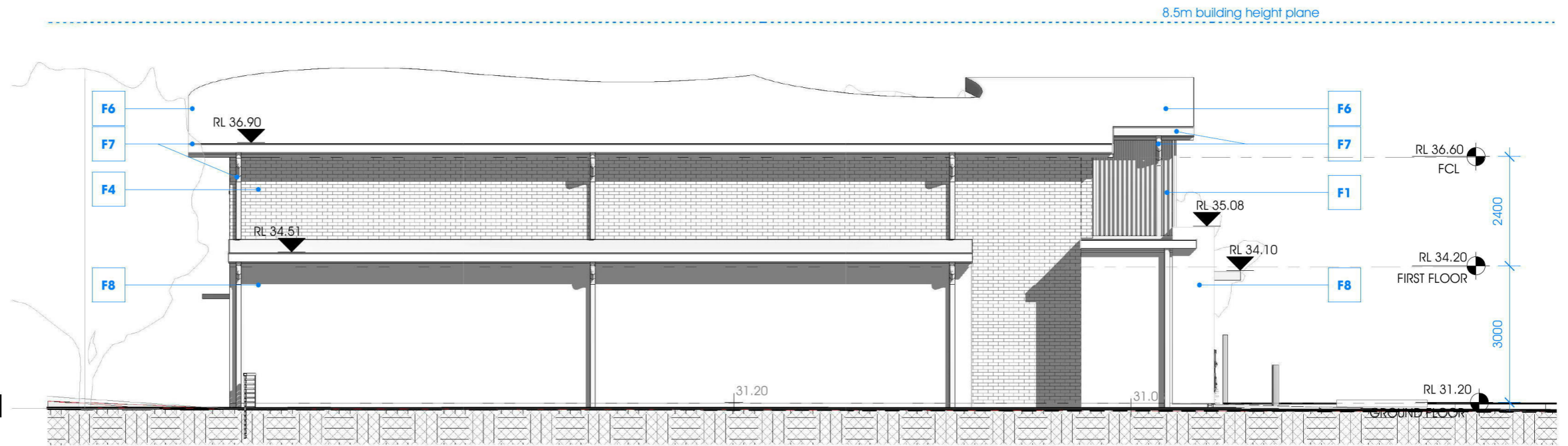
Proposed Child Care Center

0 1 2m
Lot 114 Sec C, DP 1687,49 Gibbes St, Regentville NSW



EAST ELEVATION

SCALE 1:100 (A3)



WEST ELEVATION

SCALE 1:100 (A3)

EXTERNAL FINISHES SCHEDULE

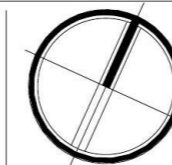
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|---|--|--|--|--|---|---|---|
| | | | | | | | |
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AMENDMENTS:

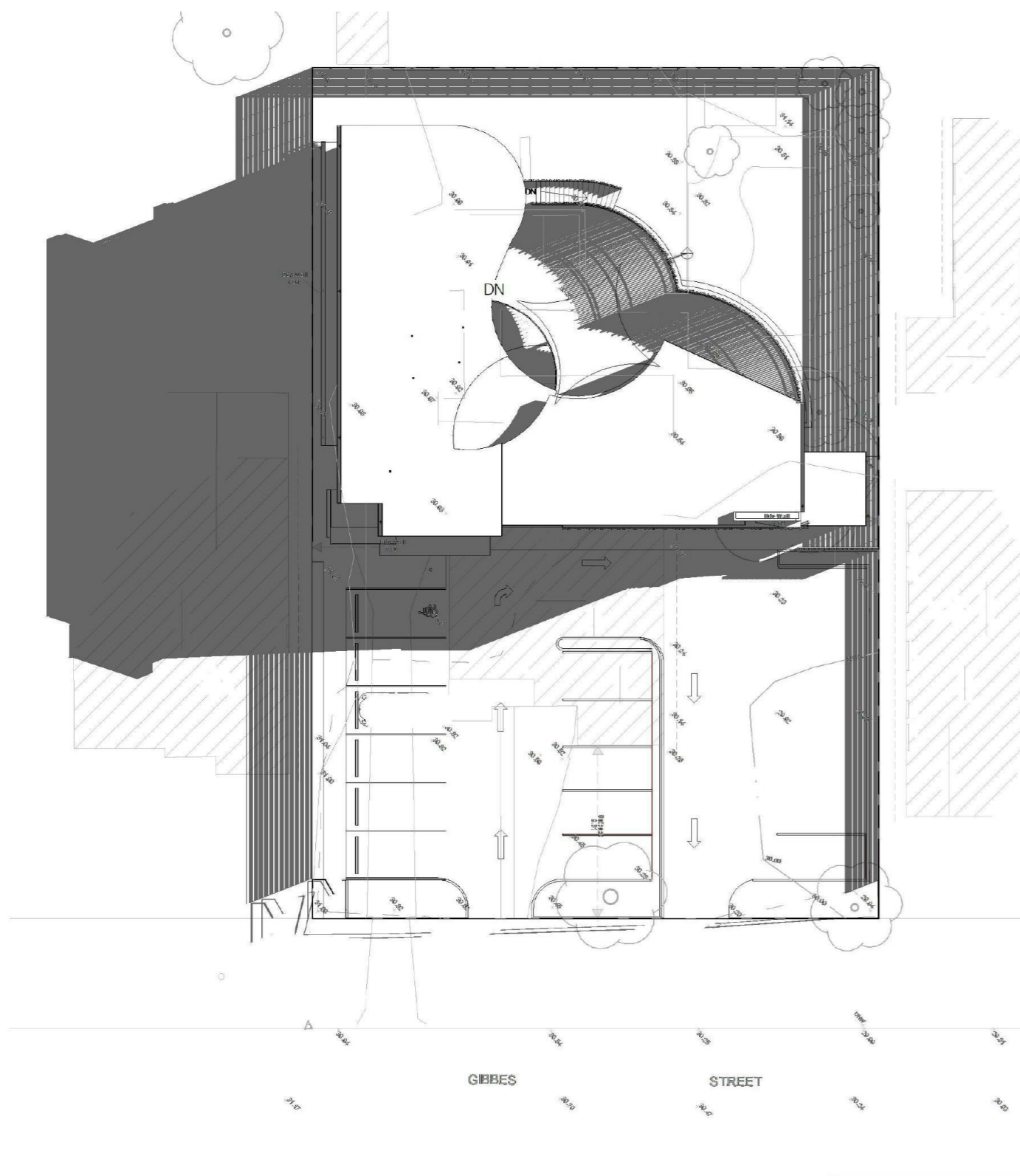
PROJECT NO.:

| | | |
|---|---|------------|
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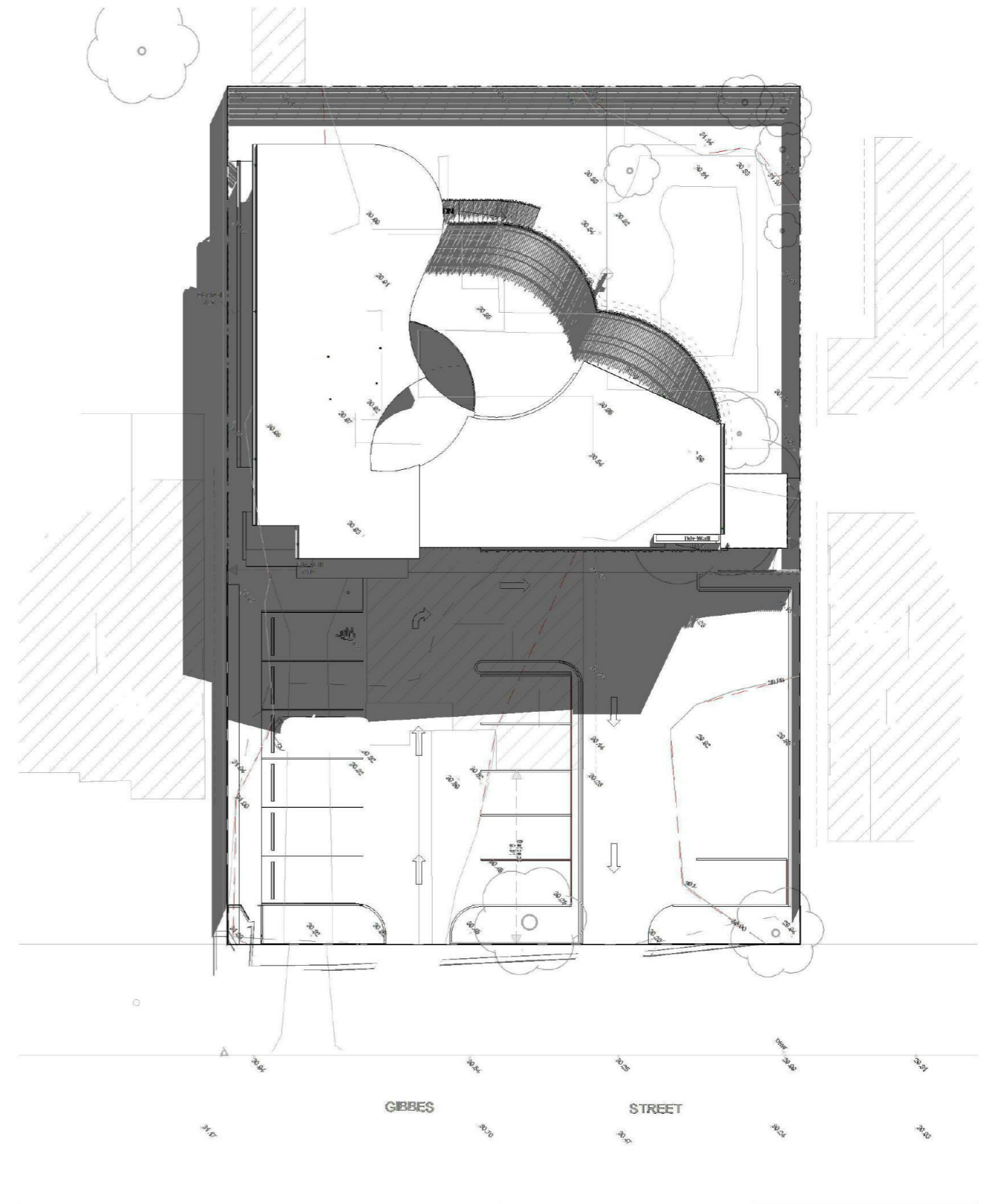
DA 08



SHADOW DIAGRAMS

21 JUNE 9AM

SCALE 1:300 (A3)



SHADOW DIAGRAMS

21 JUNE 12PM

SCALE 1:300 (A3)

AMENDMENTS:

PROJECT NO.:



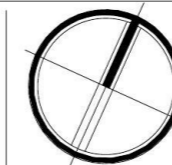
ENVISION GROUP PTY. LTD.
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projects@envisiongroup.com.au
Level 15/60 Station Street Parramatta, NSW, 2150
PO Box 3371, Wetherill Park, NSW, 2164
envisiongroup.com.au



A Issued for Comments
B Revised Sketch issued for Comments
C Issued for Comments
D Revised as per Consultants Comments/Issued for DA

01.04.2019
07.05.2019
28.05.2019
18.06.2019

#82



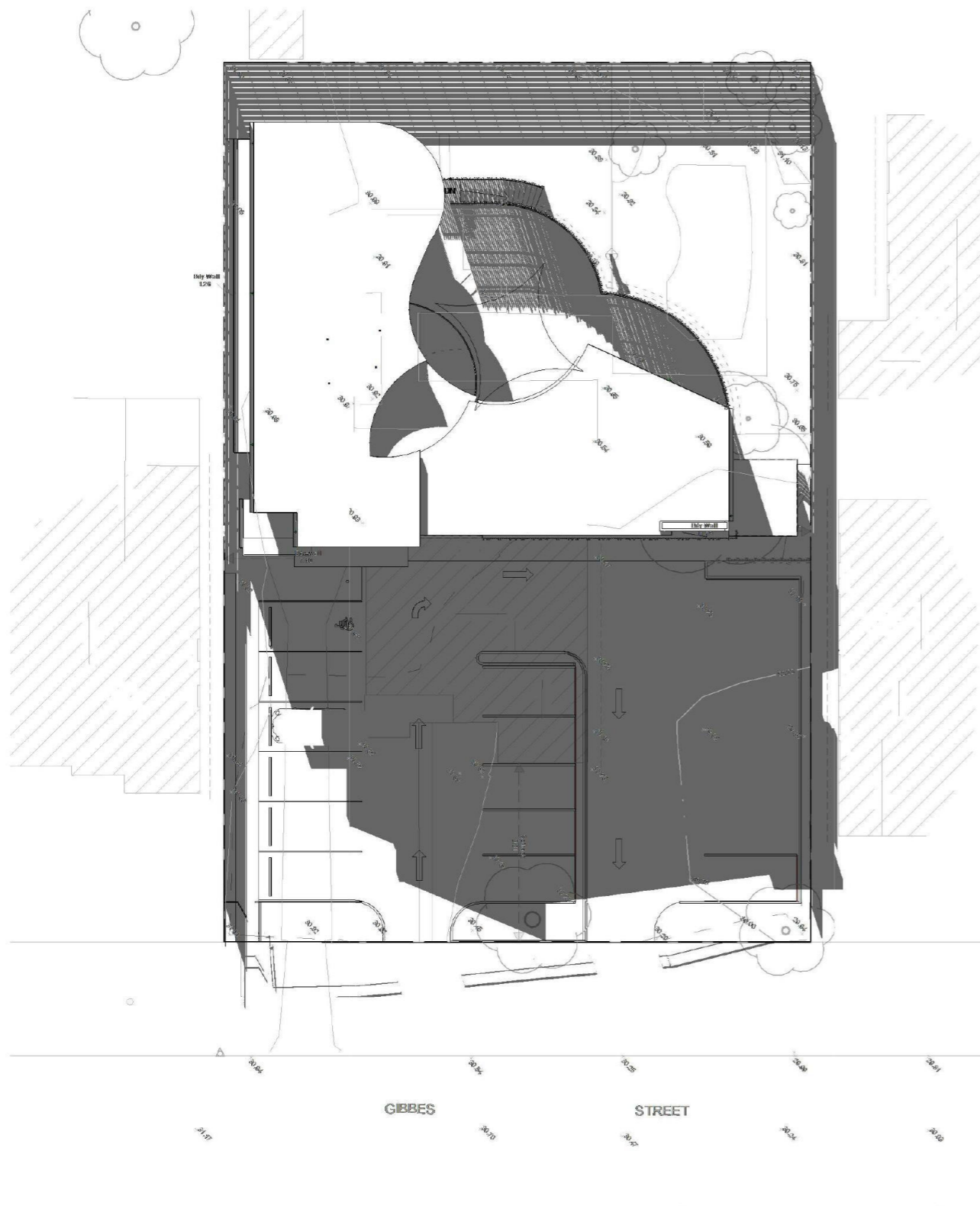
DA 11

Grace Village Child Care Center

Proposed Child Care Center

0 1 2m

Lot 114 Sec C, DP 1687,49 Gibbes St, Regentville NSW



SHADOW DIAGRAMS

21 JUNE 3PM

SCALE 1:300 (A3)

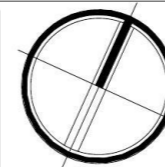
AMENDMENTS:

PROJECT NO.:

- A Issued for Comments
- B Revised Sketch issued for Comments
- C Issued for Comments
- D Revised as per Consultants Comments/Issued for DA

01.04.2019
07.05.2019
28.05.2019
18.06.2019

#82



DA 12

Grace Village Child Care Center

Proposed Child Care Center

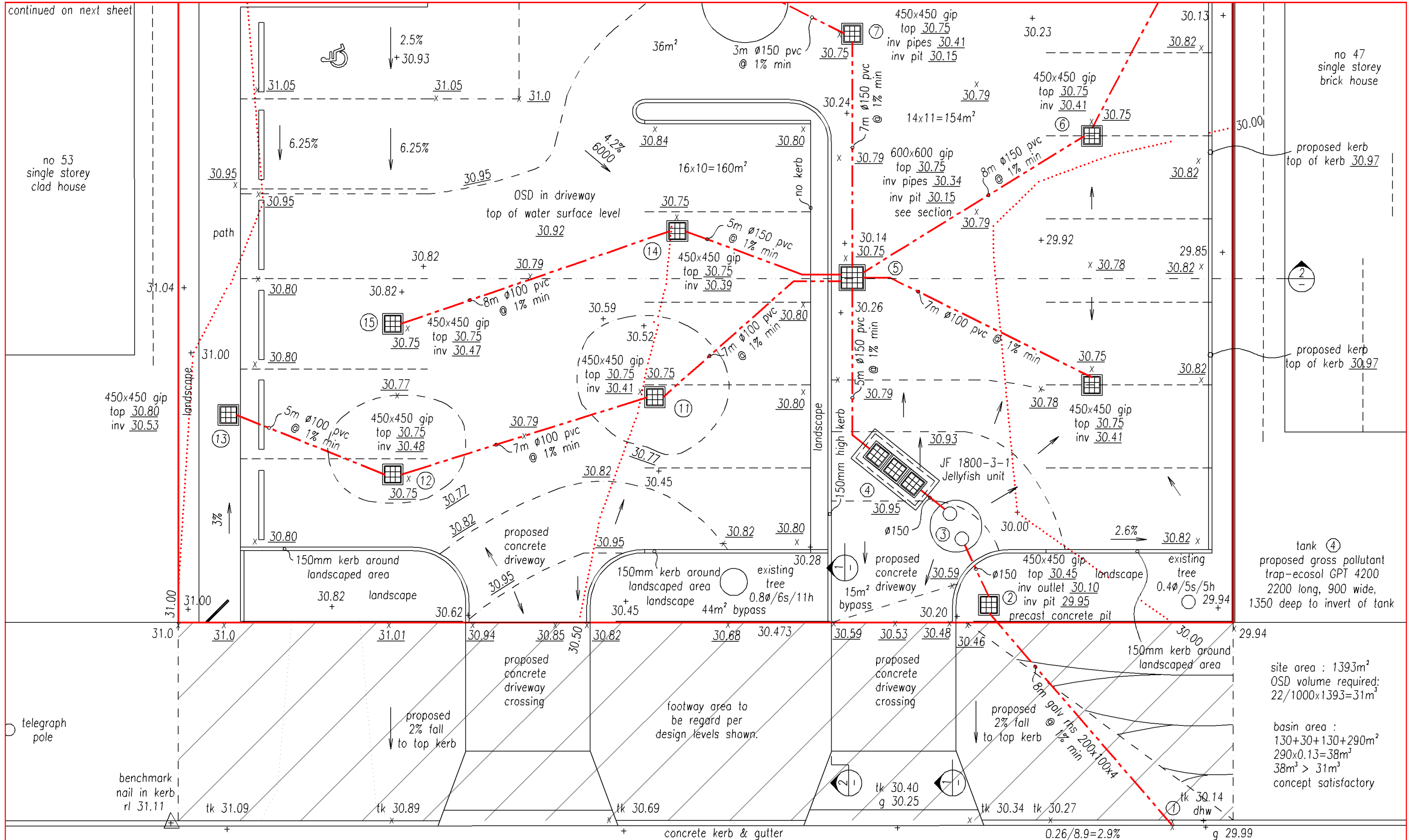
0 1 2m
Lot 114 Sec C, DP 1687,49 Gibbes St, Regentville NSW



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continued on next sheet



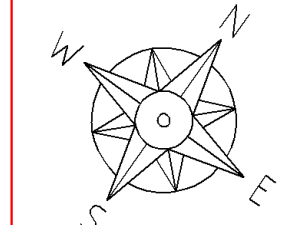
no 53 single storey clad house

no 47 single storey brick house

450x450 gip top 30.80 inv 30.53

telegraph pole

benchmark nail in kerb rl 31.11



GIBBES STREET

site plan

scale 1:100

L. Savage
 Leon Savage
 B.E. Civil, MIE Aust.

p:\stormwater drawings\070419 49 gibbes

| | | |
|----------|---------------------------------|---|
| jun 2019 | OSD redesigned, NE kerb lowered | B |
| may 2019 | development application issue | A |

SHEET 1

STORMWATER ENGINEERS PTY LTD

stormwater + civil engineers
 email: aztecengineers@gmail.com
 tel 0433 00 1985

PROJECT :
 proposed child care center at
 49 gibbes street, regentville

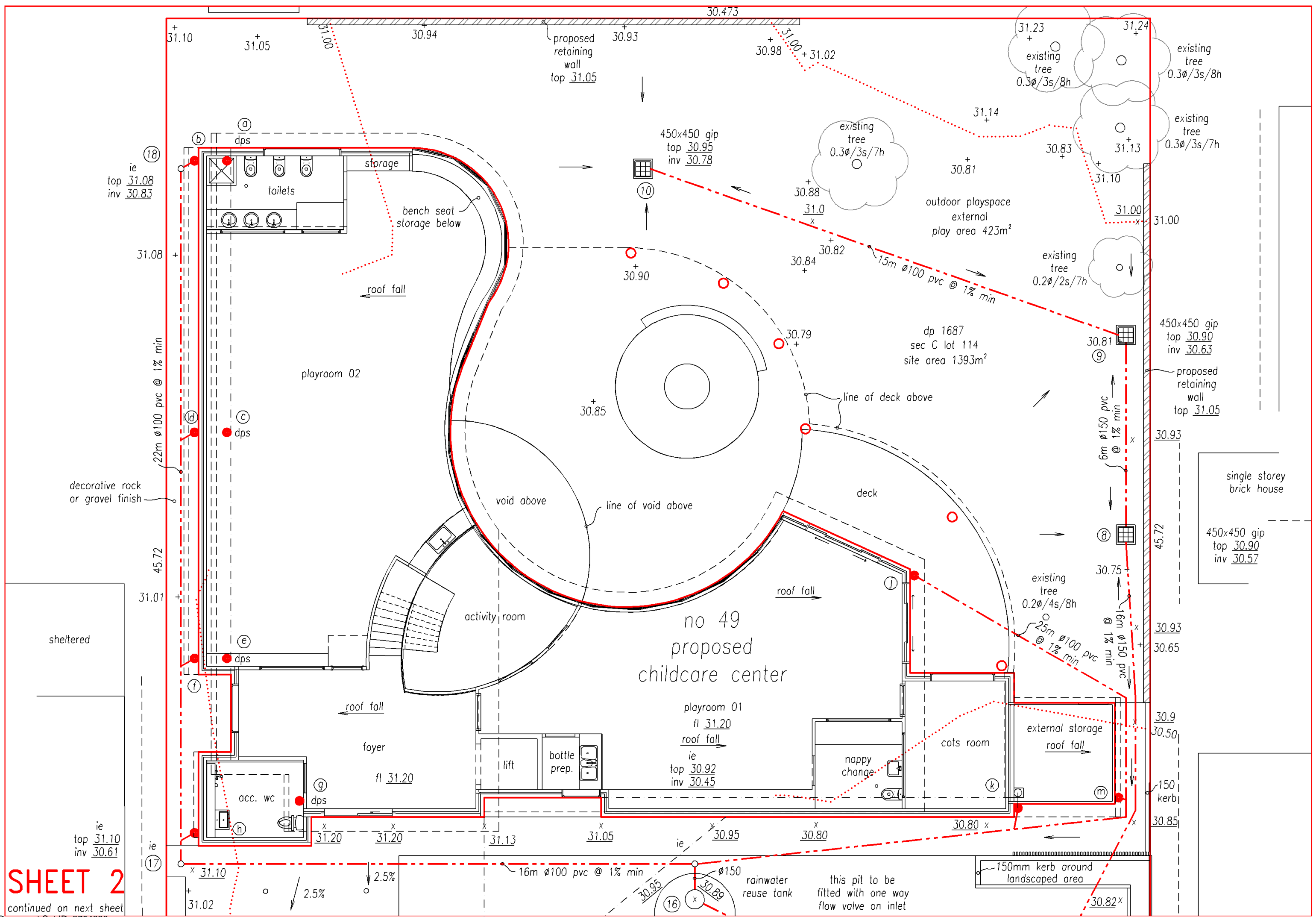
DRAWING No.
070419

stormwater drainage,
 rainwater reuse,
 on site detention
 & water quality

tank ④
 proposed gross pollutant trap-ecosol GPT 4200
 2200 long, 900 wide,
 1350 deep to invert of tank

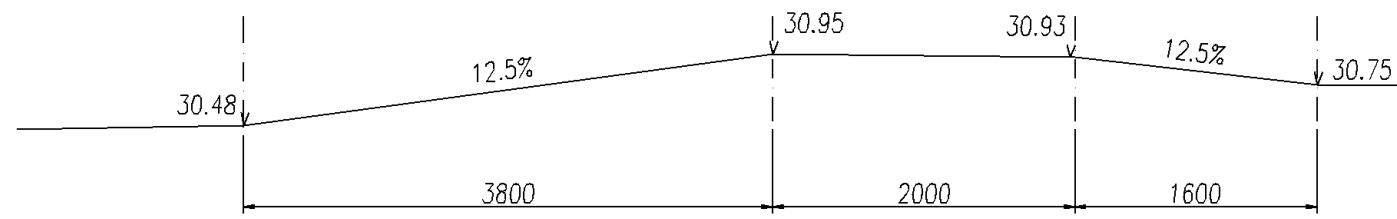
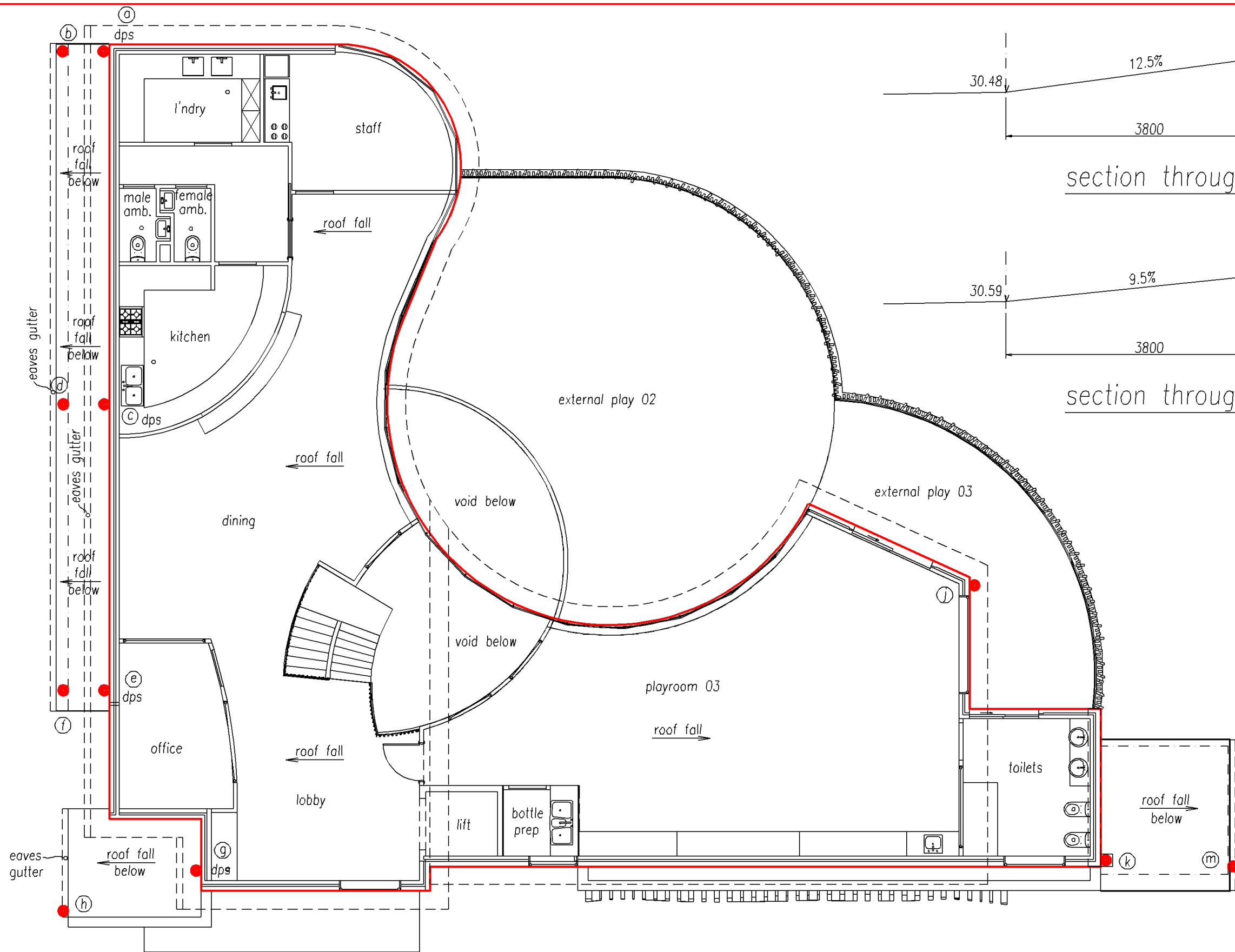
site area : 1393m²
 OSD volume required:
 22/1000x1393=31m³

 basin area :
 130+30+130+290m²
 290x0.13=38m³
 38m³ > 31m³
 concept satisfactory



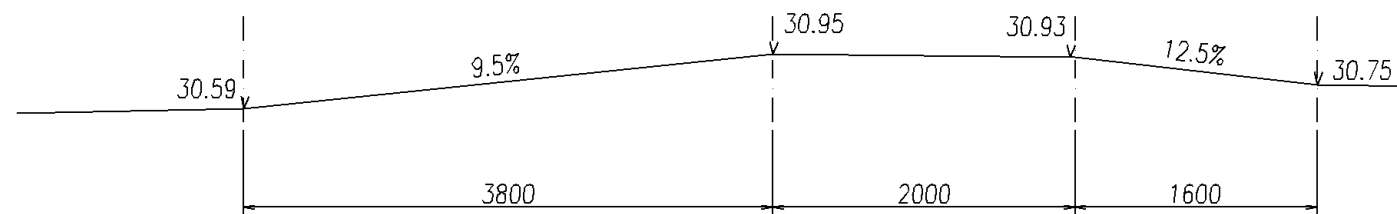
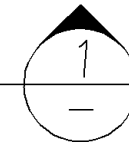
SHEET 2

continued on next sheet



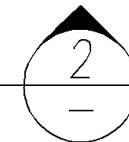
section through driveway entrance

scale 1:50



section through driveway entrance

scale 1:50



NOTES

- all work to be done to the satisfaction of Penrith City Council.
- legend:
 - tw top of wall
 - tk top of kerb
 - ⊙ down pipe
 - fw floor waste
 - gfl garage floor level
 - fl floor level
 - 56.89 existing level
 - 53.81 design level
 - gip grated inlet pit
 - bfl basement floor level
 - jp junction pit
 - ie upvc sewer grade inspection eye
 - dps - downpipe with spreader
 - D.E.B - dropped edge beam
 - rgd - round grated drain
 - eof - emergency over flow
 - ie - inspection eye
- proposed concrete driveway to be constructed in accordance with plans, specifications, and levels issued seperately by council.
- all pipes to be min. 100mm dia unless noted otherwise (uno).
- all pipes to be grade upvc at min 1% uno.

first floor plan

scale 1:100

SHEET 3 STORMWATER ENGINEERS PTY LTD

stormwater + civil engineers

email: aztecengineers@gmail.com
tel 0433 00 1985

L. Savage
Leon Savage
B.E. Civil, MIE Aust.

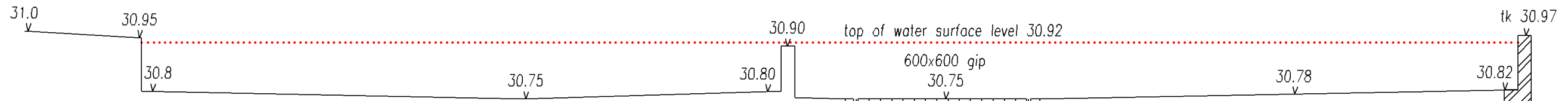
p\stormwater drawings\070419 49 gibbes

| | | |
|----------|---------------------------------|---|
| jun 2019 | OSD redesigned, NE kerb lowered | B |
| may 2019 | development application issue | A |

PROJECT :
proposed child care center at
49 gibbes street, regentville

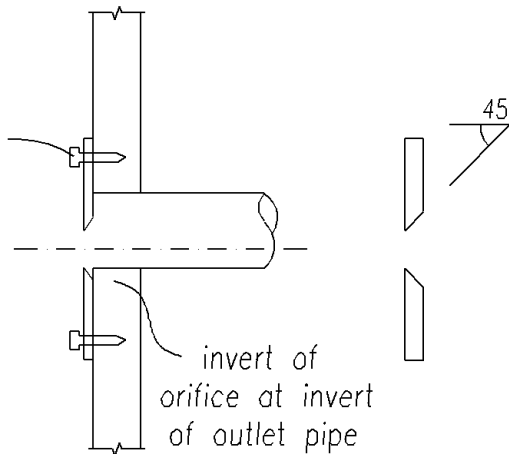
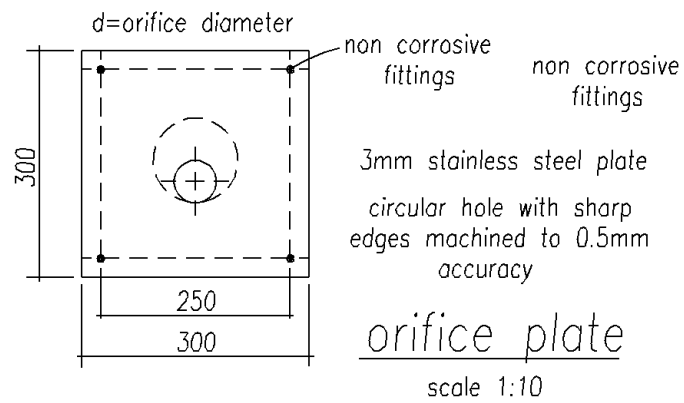
DRAWING No.
070419

stormwater drainage,
rainwater reuse,
on site detention
& water quality

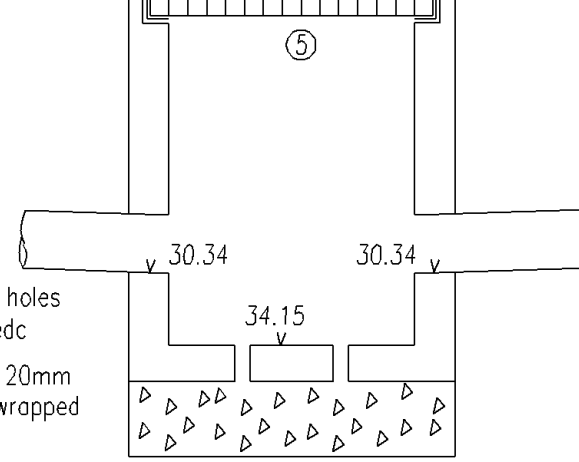


structural details of detention basin walls to be prepared by a suitably qualified structural engineer.

All walls or kerbs forming the detention basin shall be constructed wholly within the property boundaries of the site being developed.



4 @ 90mm dia weep holes under floor of hedc
200mm thick bed of 20mm dia aggregate to be wrapped in bidim a14



section through On Site Detention basin

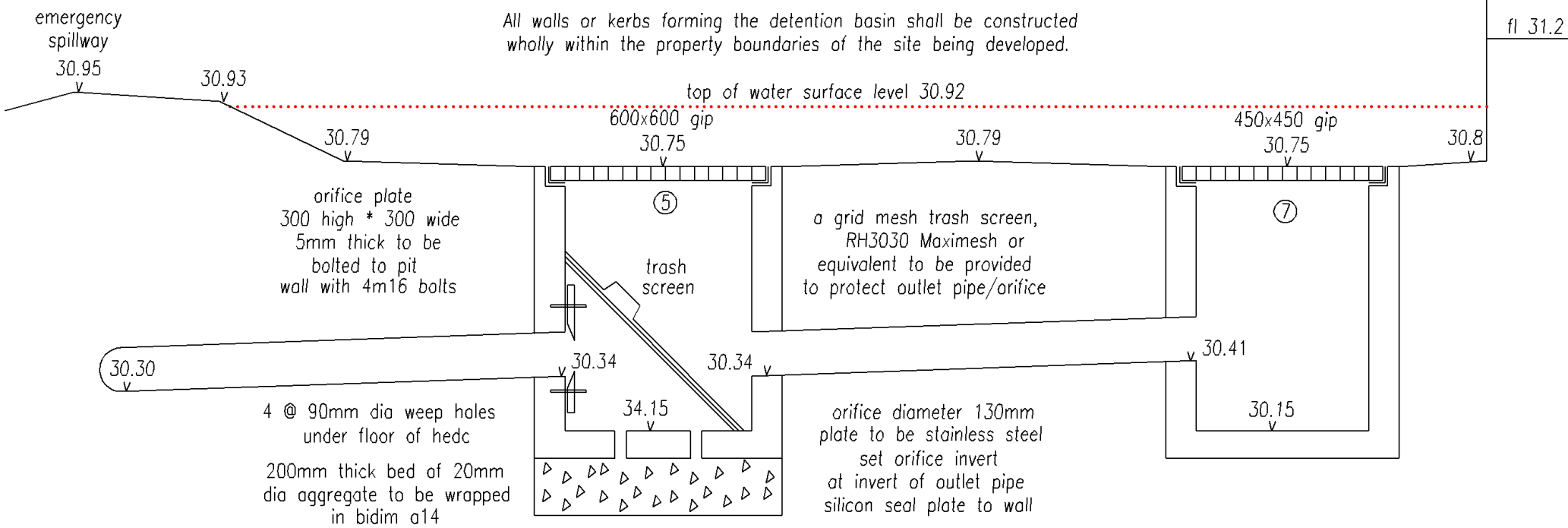
section 2
not to scale



sign at each entrance to osd & reuse tanks

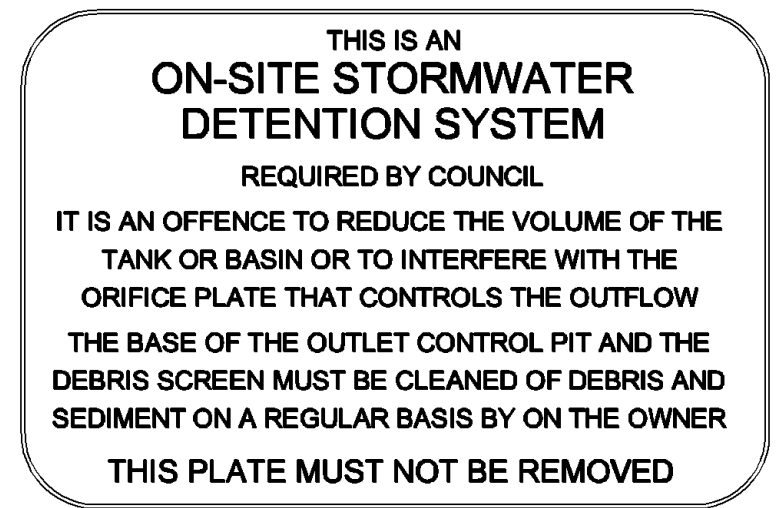
structural details of detention basin walls to be prepared by a suitably qualified structural engineer.

All walls or kerbs forming the detention basin shall be constructed wholly within the property boundaries of the site being developed.



section through On Site Detention basin

section 1
not to scale



The on-site stormwater detention system shall be indicated on the site by fixing a marker plate in a prominent position. This plate is to be of minimum size 150mm x 100mm and is to be made from non-corrosive metal or 4mm thick laminated plastic. It is to be fixed to the nearest concrete or permanent surface in a prominent position. The wording on the marker plate is to be:

SHEET 4 STORMWATER ENGINEERS PTY LTD

stormwater + civil engineers

email: aztecengineers@gmail.com
tel 0433 00 1985

L. Savage
Leon Savage
B.E. Civil, MIE Aust.

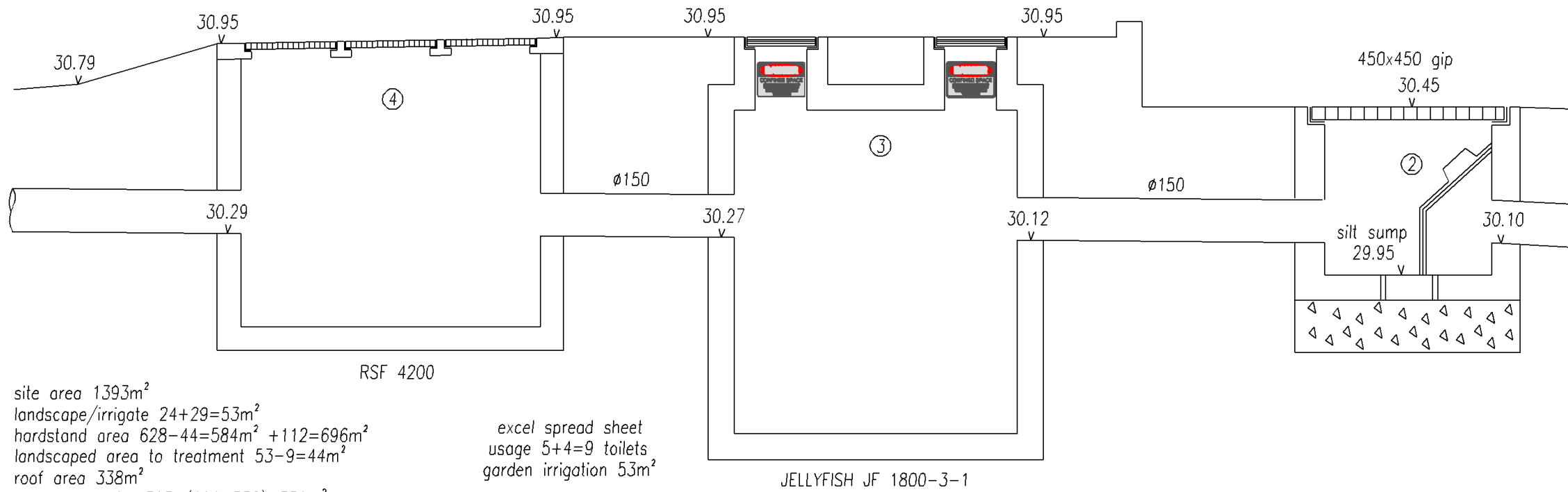
p\stormwater drawings\070419 49 gibbes

| | | |
|----------|---------------------------------|---|
| jun 2019 | OSD redesigned, NE kerb lowered | B |
| may 2019 | development application issue | A |

PROJECT :
proposed child care center at
49 gibbes street, regentville

DRAWING No.
070419

stormwater drainage,
rainwater reuse,
on site detention
& water quality



site area 1393m²
 landscape/irrigate 24+29=53m²
 hardstand area 628-44=584m² +112=696m²
 landscaped area to treatment 53-9=44m²
 roof area 338m²
 remainder soft 1393-(696+338)=359m²
 other soft area to treatment 359-53=306m²
 pavement bypass 15m²

excel spread sheet
 usage 5+4=9 toilets
 garden irrigation 53m²

longitudinal section through water quality treatment system
 not to scale

SHEET 5 STORMWATER ENGINEERS PTY LTD

stormwater + civil engineers

email: aztecengineers@gmail.com
 tel 0433 00 1985

L. Savage
 Leon Savage
 B.E. Civil, MIE Aust.

p\stormwater drawings\070419 49 gibbes

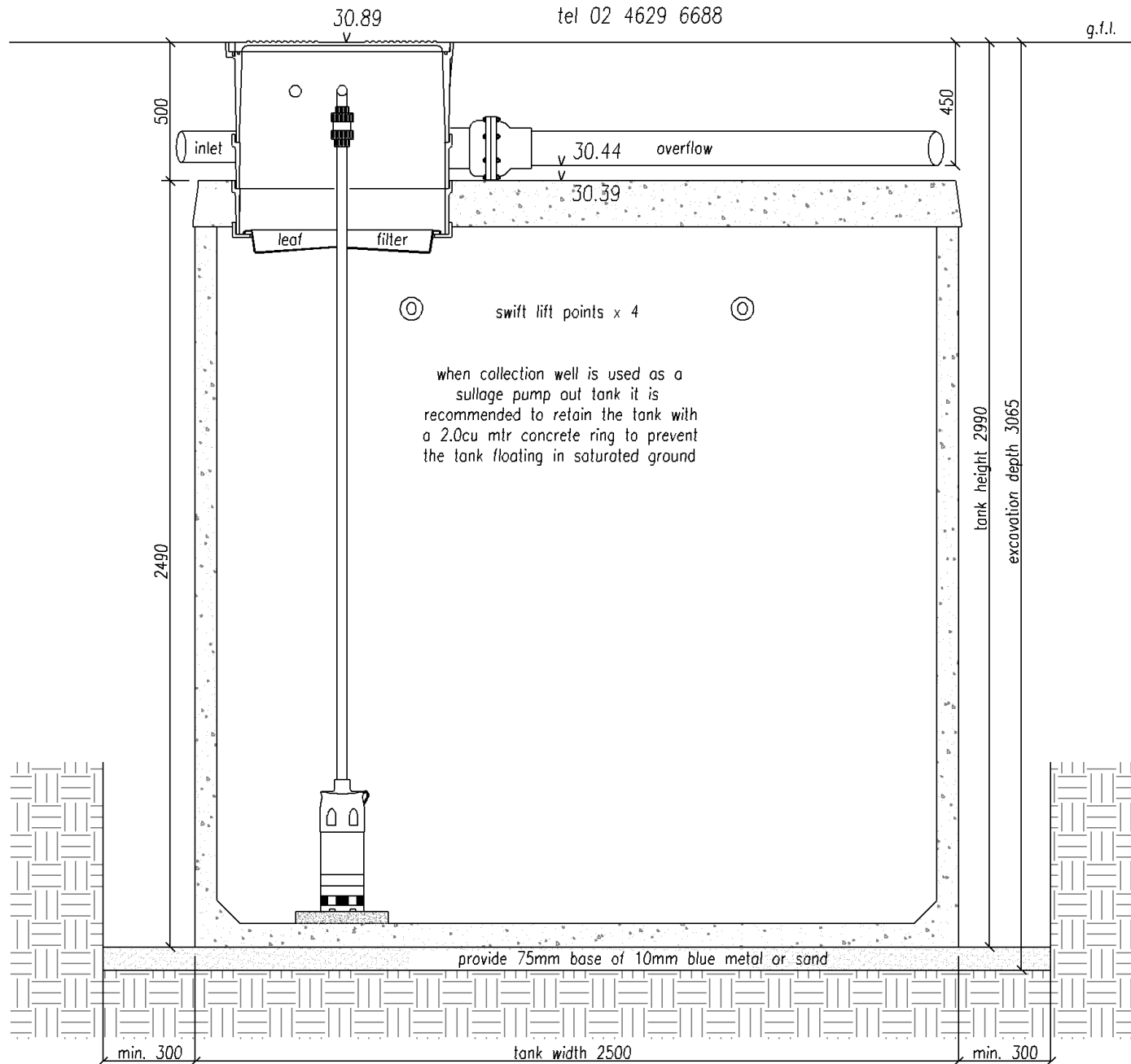
| | | |
|----------|---------------------------------|---|
| | | |
| jun 2019 | OSD redesigned, NE kerb lowered | B |
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PROJECT :
 proposed child care center at
 49 gibbes street, regentville

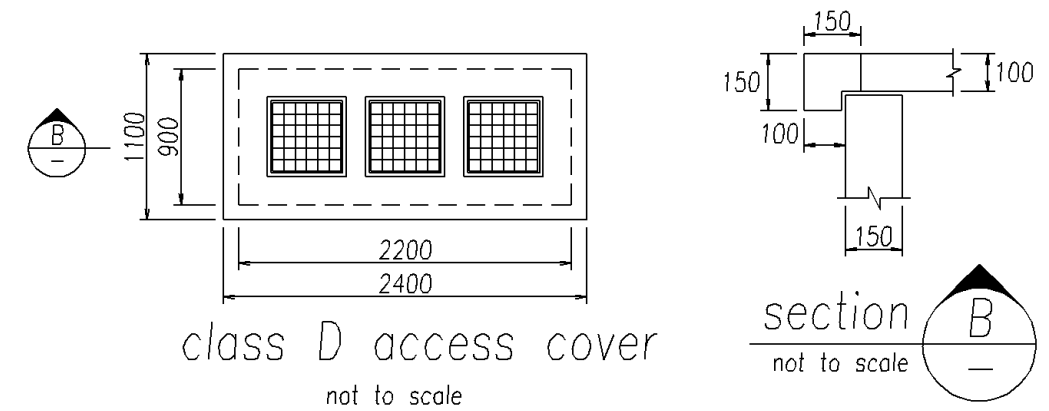
DRAWING No.
070419

stormwater drainage,
 rainwater reuse,
 on site detention
 & water quality

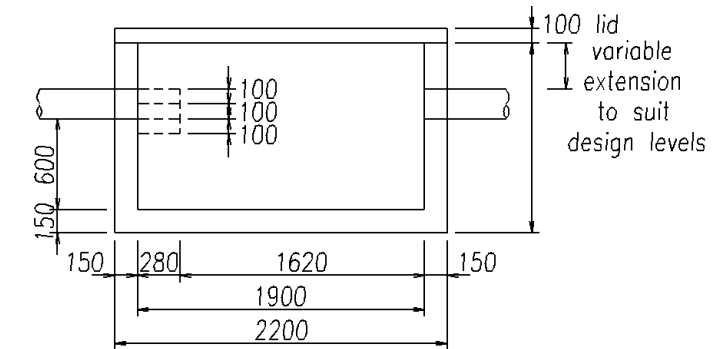
10,000 litre tank
 500 riser
 supplier 'sydney water tanks'
 www.sydneywatertanks.com.au
 tel 02 4629 6688



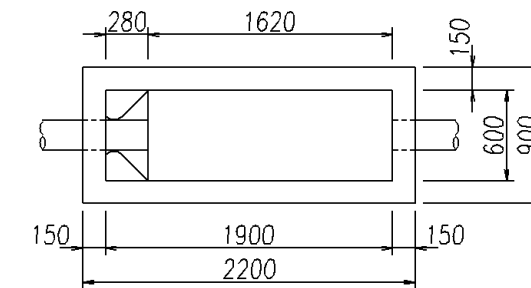
section through rainwater reuse tank 3
 not to scale



class D access cover
 not to scale



RSF 4200 - side elevation
 not to scale



RSF 4200 - pit plan
 not to scale

SHEET 6 STORMWATER ENGINEERS PTY LTD

stormwater + civil engineers

email: aztecengineers@gmail.com
 tel 0433 00 1985

L. Savage
 Leon Savage
 B.E. Civil, MIE Aust.

p\stormwater drawings\070419 49 gibbes

| | | |
|----------|---------------------------------|---|
| | | |
| jun 2019 | OSD redesigned, NE kerb lowered | B |
| may 2019 | development application issue | A |

PROJECT :
 proposed child care center at
 49 gibbes street, regentville

DRAWING No.
070419

stormwater drainage,
 rainwater reuse,
 on site detention
 & water quality

Summary table for ILSAX results

developed site data
 file: issue A
 49 gibbes st regentville
 childcare - area to osd sqm 1333
 Stormwater Engineerings
 june19
 osd based on entire site as existing pervious area

| 5 year event | | | | | |
|-----------------|-------------------------|--------------------|-----------------------|-------------------------|--------|
| Storm (minutes) | Pre develop flows (l/s) | Orifice flow (l/s) | Total post flow (l/s) | Water storage level (m) | Remark |
| 5 | 24 | 23 | 24 | 30.77 | Ok |
| 20 | 32 | 24 | 25 | 30.8 | Ok |
| 30 | 37 | 24 | 25 | 30.8 | Ok |
| 40 | 27 | 24 | 24 | 30.79 | Ok |
| 60 | 35 | 24 | 24 | 30.79 | Ok |
| 120 | 35 | 24 | 25 | 30.8 | Ok |

| 100 year event | | | | | |
|-----------------|-------------------------|--------------------|-----------------------|-------------------------|--------|
| Storm (minutes) | Pre develop flows (l/s) | Orifice flow (l/s) | Total post flow (l/s) | Water storage level (m) | Remark |
| 5 | 51 | 25 | 27 | 30.87 | Ok |
| 20 | 75 | 26 | 28 | 30.91 | Ok |
| 30 | 59 | 26 | 28 | 30.91 | Ok |
| 40 | 58 | 26 | 28 | 30.91 | Ok |
| 60 | 51 | 27 | 29 | 30.92 | Ok |
| 120 | 69 | 26 | 28 | 30.9 | Ok |

Note:
 see attached calculation sheets
 see attached ILSAX files
 see attached engineering plans

Leon Savage

Leon Savage, B.E. Civil

| | | | | | | | |
|-------------------------------------|--|----------------------|----------------|---|--------------|--|----------|
| Summary table for ILSAX results | | | | Stormwater Engineerings | | Jun-19 | |
| developed site data | | | | file: issue A | | 49 gibbes st regentville (penrith) | |
| | | | | child care (pretend pervious) | | osd based on entire site as existing pervious area | |
| Storm Events (minutes) | Site Flowrate Pre Develop l/s | OSD Post Develop l/s | site Total l/s | Detention WSL | | | |
| q for orifice | wier flows | | | rl | q cum/s | | |
| h | q cum/s | diameter | rl | h | q l/s | h | q l/s |
| 0 | 0.000 | 0.13 | 30.38 | 0 | | 30.38 | 0.000 |
| 0.37 | 0.0222 | 0.13 | 30.75 | 0.37 | | 30.75 | 0.0222 |
| 0.42 | 0.0236 | 0.13 | 30.80 | 0.42 | | 30.80 | 0.0236 |
| 0.47 | 0.0250 | 0.13 | 30.85 | 0.47 | | 30.85 | 0.0250 |
| 0.52 | 0.0263 | 0.13 | 30.90 | 0.52 | | 30.90 | 0.0263 |
| 0.57 | 0.0275 | 0.13 | 30.95 | 0.57 | | 30.95 | 0.0275 |
| 0.6 | 0.0282 | 0.13 | 30.98 | 0.60 | 0.03 | 0.040 | 30.98 |
| q weir | | | | | | | |
| h (m) | b (m) | | | see attached ILSAX files & attached engineering plans Leon Savage, BE Civil | | | |
| 0.03 | 3.5 | 0.040 | flat | 3.5 m | | | |
| 0.0091 | | | dia not used | | | | |
| notes | | | | | | | |
| osd base floor area | | | 290 | | | | |
| osd top surface area | | | 290 | | | | |
| site L used | | | 50 m | | | | |
| site fall used | | | 1.25 m | | | | |
| site grade used | | | 2.50% | | | | |
| total site area | | | 1393 sqm | | area to osd | | 1333 sqm |
| site area used OSD | | | 1333 sqm | | uncontrolled | | 1015 sqm |
| treat existing as existing pervious | | | | | 1393 sqm | | |
| existing impervious area used 0sqm | | | | | | | |
| ilsax example | | | | | | | |
| rainfall data file | 5a | | | | | | |
| data file name | g | | | | | | |
| output data file | 5au | | | | | | |
| intermediate file | j (temporary data storage, not relevant) | | | | | | |
| predeveloped site data file | g | | | | | | |
| developed site data file | gd | | | | | | |

SHEET 10

STORMWATER ENGINEERS PTY LTD

stormwater + civil engineers

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 tel 0433 00 1985

Leon Savage
 Leon Savage
 B.E. Civil, MIE Aust.

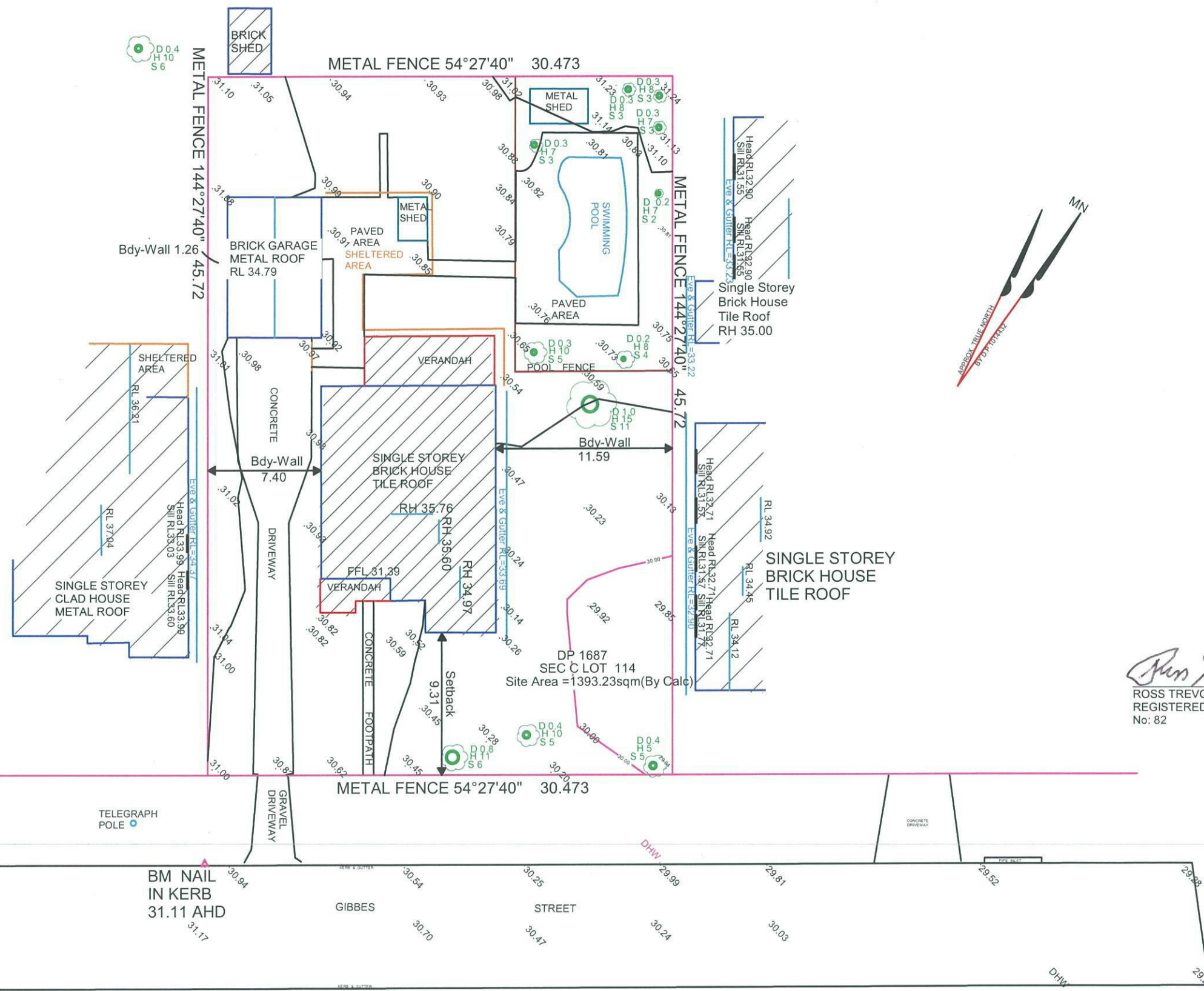
p\stormwater drawings\070419 49 gibbes


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| may 2019 | development application issue | A |

PROJECT :
 proposed child care center at
 49 gibbes street, regentville

DRAWING No.
070419

stormwater drainage,
 rainwater reuse,
 on site detention
 & water quality




 ROSS TREVOR DUNCUM
 REGISTERED SURVEYOR
 No: 82

| AMENDMENTS | |
|------------|--------------|
| DATE: | DESCRIPTION: |
| | |
| | |
| | |
| | |
| | |

NOTES: DIMENSIONS AND BEARINGS ARE FROM DP 1687. ANY POINT CRITICAL TO THE PREPARATION OF PLANS AND/OR CONSTRUCTION SHOULD BE CHECKED BY THE BUILDER/ARCHITECT BEFORE ANY WORK COMMENCING. ALL SERVICES ARE INDICATIVE ONLY. OTHER SERVICES MAY EXIST. ALL TREES ARE APPROXIMATE SIZE AND LOCATION ONLY. DIAL BEFORE YOU DIG SHOULD BE UNDERTAKEN PRIOR TO ANY EXCAVATION WORK ON 1100. PRIOR TO THE COMPLETION OF ANY PLANS AND/OR CONSTRUCTION FURTHER FIELD WORK SHOULD BE UNDERTAKEN.


PRECISE SURVEYING
 PTY LTD
 MOB: 0415 55 55 25
 PO BOX 145 HORSLEY PARK 2175
 EMAIL: precisesurveying@gmail.com

| | | |
|----------------------|--|---------------------|
| CLIENT: | | JOB No: 4-2019 |
| CLIENT ADDRESS: | JOB ADDRESS: 49 GIBBES ST REGENTVILLE 2745 | |
| SCALE: 1 : 300 on A3 | LEVELS: AHD | DATE: 29.11.2018 |



Left to right: : Sandstone edged sandpit with building platforms, Timber seat, Blackboard panel, Perspex easel panel, Mirror panel, Multipurpose Rainwell - Stainless steel pump, Triangular cubby - Left, Timber letter box



Left to right: Log steppers, Log rounds for climbing, balancing & seating, Boulders for seating, Balance beam – Elevated, Circular timber seat, Low artificial grass mound, Timber poles for hanging herbs/wind chimes, AG tunnel in mound, Tunnel with logs steps,



Left to right: Toddler slide mound, Water channel, Cube cubby house, Dipped artificial grass playspace for babies, Blonde wood decking with planters, Decking with cutouts for plants in pots,



Left to right: Tree log pergola over deck, Ampitheatre seat, Art studio, Sandstone flagging leaf table with seats,

* Please note these images are to be considered in conjunction with your plan and are used to give an idea of colours, textures & constructs that will be present in the completed playspace.



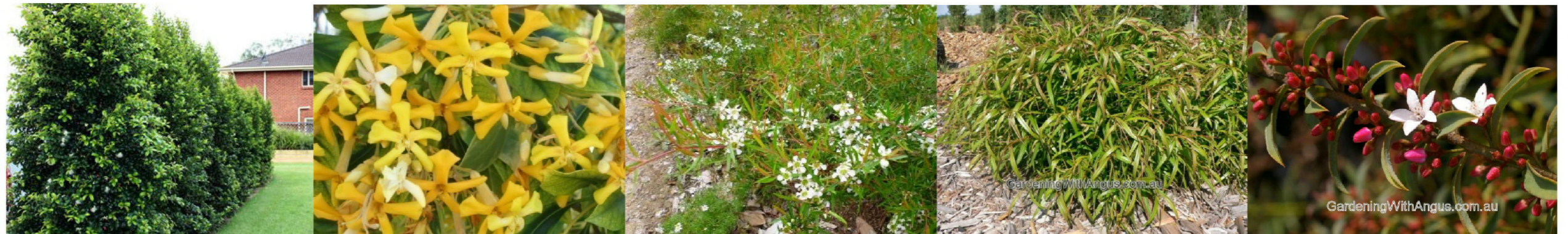
Left to right: Artificial turf, Cobblestones –beige, Sandstone flagging stepper pathway, Wooden insert –bike track, Wetpour surfacing - Polysoft - Desert, Oz Logs concrete sleepers, Deco granite –Deco gold, Bluestone crazy paving stepping stones, Turf –Empire Zoysia,

Plant selection
TREES



Left to right: *Tristaniopsis Laurina* 'Luscious' - Tree and foliage, , *Corymbia eximia* 'Yellow bloodwood', *Acacia implexa* 'Hickory wattle', Ginkgo "Princeton sentry',

Plant selection
SHRUBS



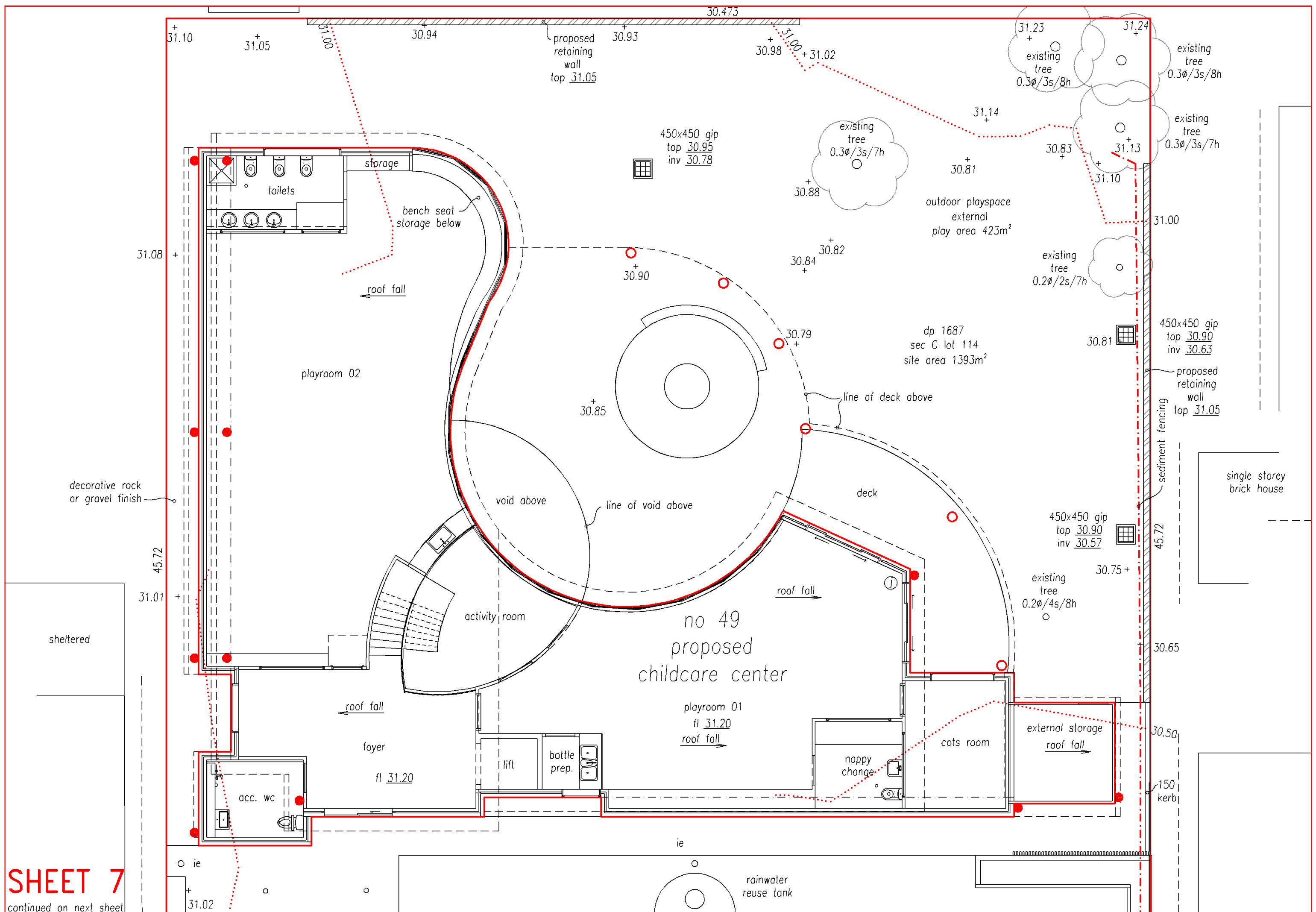
Left to right: *Syzygium Australe* 'Pinnacle', *Hymenosporum flavum* 'Gold nugget', *Leptospermum petersonii* 'Little lemon scents', *Agonis flexuosa* 'Copper wave', *Philotheca myoporoides* 'Ruby cascade'

Plant selection
GRASSES/
GROUNDCOVERS



Left to right: *Lomandra confertifolia* 'Tanika', *Dianella caerulea* 'Breeze', *Themeda australis*, 'Mingo', *Liriope muscari* 'Just Right', *Hardenbergia violacea* 'Sea of Purple', *Goodenia hederacea*,

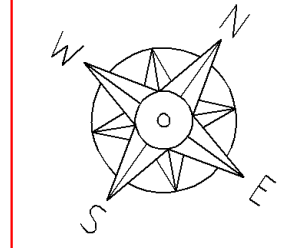
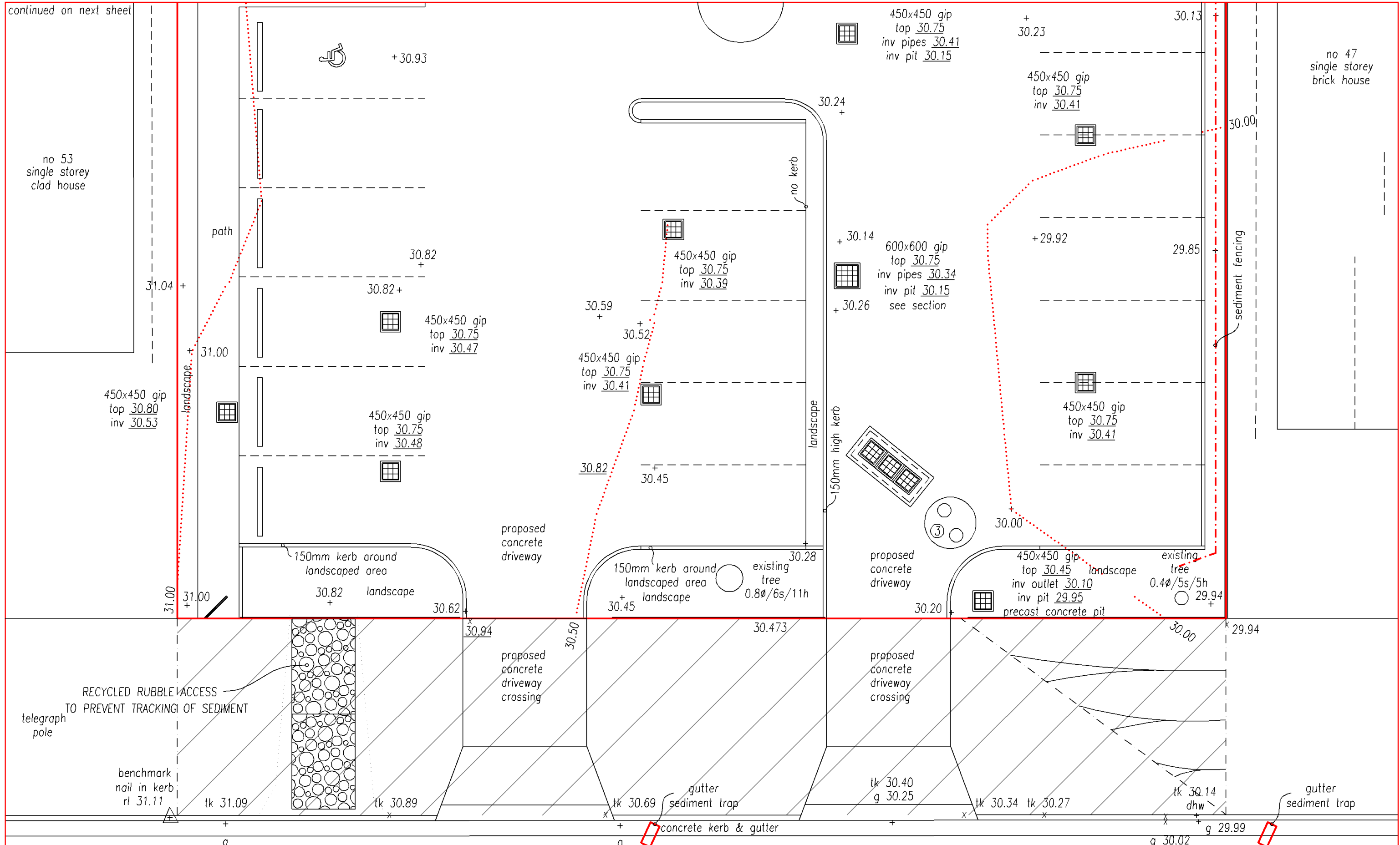
* Please note these images are to be considered in conjunction with your plan and are used to give an idea of colours, textures & constructs that will be present in the completed playspace.



SHEET 7

continued on next sheet

continued on next sheet



GIBBES STREET sediment control plan

scale 1:100

L. Savage
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SHEET 8 STORMWATER ENGINEERS PTY LTD

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tel 0433 00 1985

p\stormwater drawings\070419 49 gibbes

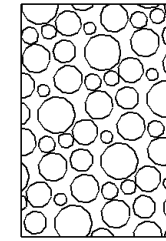
| | | |
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| jun 2019 | OSD redesigned, NE kerb lowered | B |
| may 2019 | development application issue | A |

PROJECT :
proposed child care center at
49 gibbes street, regentville

DRAWING No.
070419

sediment control plan

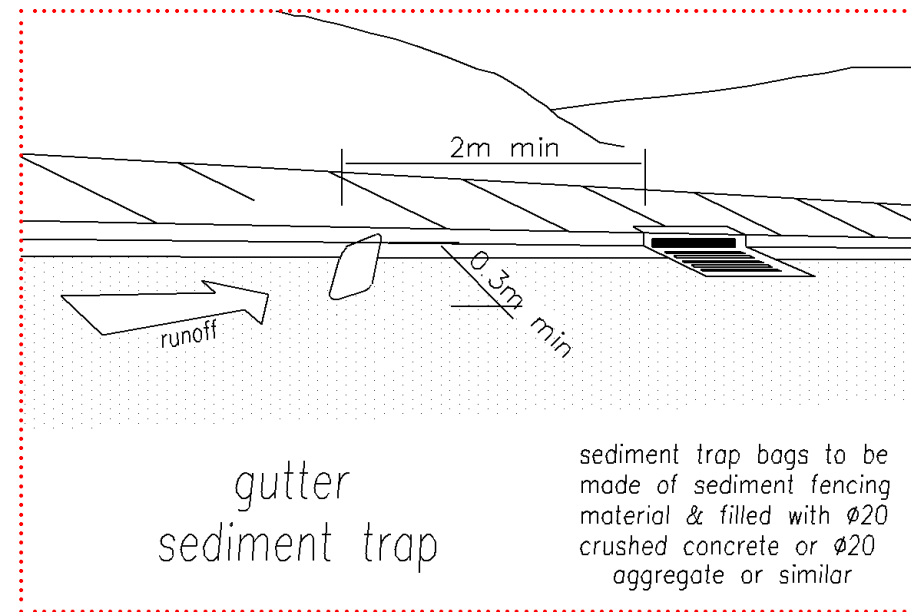
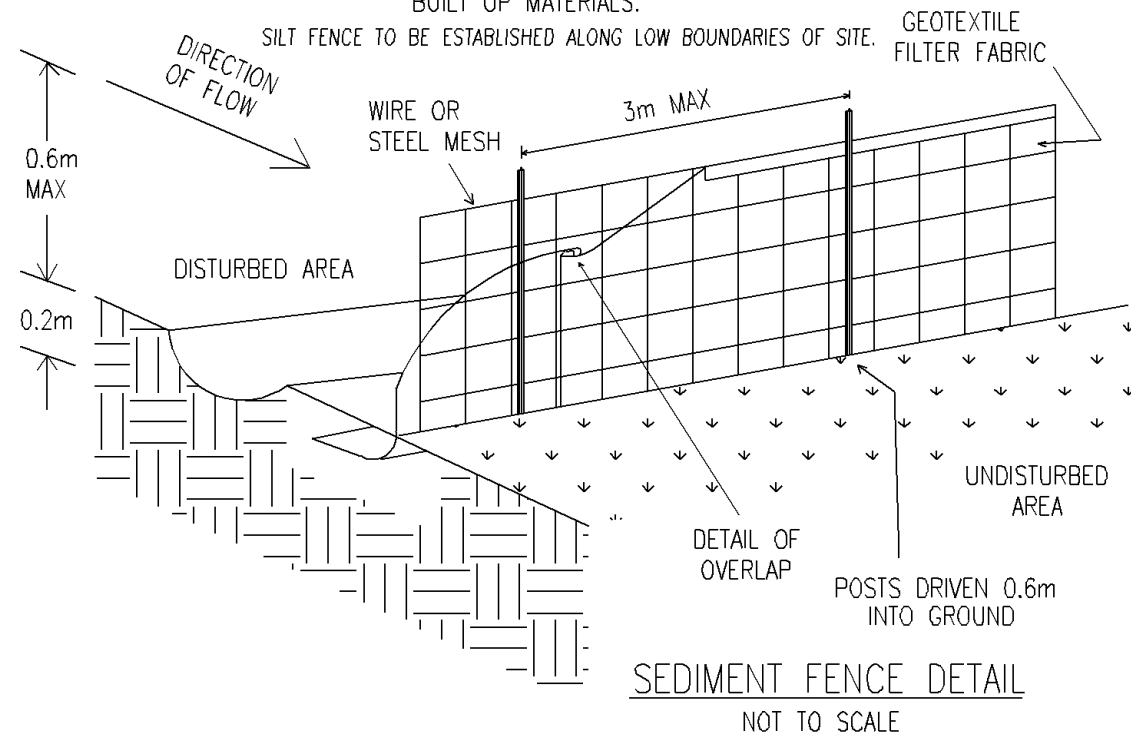
dust suppression:
 during the process of clearing and grubbing the site
 water with either hose or watering truck material
 whilst being manipulated into position and during
 process of screeding, rolling & other mechanical processes
 during preparation of pad for house slabs,
 water with either hose or watering truck material
 whilst being manipulated into position and during
 process of screeding, rolling & other mechanical processes
 during the process of forming benching for concrete driveway works
 water with either hose or watering truck material
 whilst being manipulated into position and during
 process of screeding, rolling & other mechanical processes



RECYCLED RUBBLE ACCESS
TO PREVENT TRACKING OF SEDIMENT

TO BE LOCATED AT SITE ACCESS POINT

SILT FENCE TO BE CONSTRUCTED AS PER DETAIL SHOWN
 OR BY USING AN APPROVED EQUIVALENT MEASURE. THE
 SILT FENCE IS TO BE CONSTRUCTED PRIOR TO ANY OTHER
 CONSTRUCTION ACTIVITIES. IT IS TO BE KEPT IN GOOD
 WORKING ORDER AT ALL TIMES. WHEN APPROXIMATELY 30%
 FULL OR AS DIRECTED BY COUNCIL'S REPRESENTATIVE, THE
 SILT FENCES ARE TO BE CLEARED OF SILT AND OR OTHER
 BUILT UP MATERIALS.



sediment trap in street gutter

SHEET 9 STORMWATER ENGINEERS PTY LTD

stormwater + civil engineers

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 tel 0433 00 1985

Leon Savage
 Leon Savage
 B.E. Civil, MIE Aust.

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sediment control plan