TARA ANGLICAN SCHOOL FOR GIRLS

MASONS DRIVE, NORTH PARRAMATTA NSW 2151
AQUATIC CENTRE & SPORTS PRECINCT PROPOSED UPGRADES

DEVELOPMENT APPLICATION



DEVELOPMENT APPLICATION DRAWING LIST

SHEET	NO.	SHEET NAME	REV.	DATE	DESCRIPTION	Scale on Sheet
DA	0000	COVER SHEET	20	19.07.2019	DEVELOPMENT APPLICATION	NTS @A1
DA	0001	CAMPUS PLAN	26	18.10.2019	DEVELOPMENT APPLICATION	1:1000 @A1
DA	0002	SITE ANALYSIS	20	19.07.2019	DEVELOPMENT APPLICATION	1:2000 @A1
DA	0003	SITE PHOTOS	20	19.07.2019	DEVELOPMENT APPLICATION	NTS @A1
DA	0004	SITE PLAN	25	15.10.2019	DEVELOPMENT APPLICATION	1:400 @A1
DA	1001	DEMOLITION PLAN	20	19.07.2019	DEVELOPMENT APPLICATION	1:400 @A1
DA	1002	BASEMENT FLOOR PLAN	26	18.10.2019	DEVELOPMENT APPLICATION	1:200 @A1
DA	1003	GROUND FLOOR PLAN	26	18.10.2019	DEVELOPMENT APPLICATION	1:200 @A1
DA	1004	GYM GROUND FLOOR PLAN	26	18.10.2019	DEVELOPMENT APPLICATION	1:200 @A1
DA	1005	GYM FIRST FLOOR PLAN	26	18.10.2019	DEVELOPMENT APPLICATION	1:200 @A1
DA	1006	ROOF PLAN	26	18.10.2019	DEVELOPMENT APPLICATION	1:200 @A1
DA	3001	ELEVATIONS - SHEET 1	24	11.10.2019	DEVELOPMENT APPLICATION	1:100 @A1
DA	3002	ELEVATIONS - SHEET 2	20	19.07.2019	DEVELOPMENT APPLICATION	1:100 @A1
DA	3003	ELEVATIONS - SHEET 3	20	19.07.2019	DEVELOPMENT APPLICATION	1:100 @A1
DA	4001	SECTIONS	26	18.10.2019	DEVELOPMENT APPLICATION	1:100 @A1
DA	5000	MATERIALS BOARD	27	22.10.2019	DEVELOPMENT APPLICATION	1:100 @A1
DA	6000	SHADOW DIAGRAMS	3	08.04.2019	DEVELOPMENT APPLICATION	NTS @A1
DA	9000	3D HEIGHT PLANE STUDY	27	22.10.2019	DEVELOPMENT APPLICATION	NTS @A1
DA	9500	PHOTOMONTAGE	3	08.04.2019	DEVELOPMENT APPLICATION	NTS @A1
DA	9600	NOTIFICATION - SITE PLAN	27	22.10.2019	DEVELOPMENT APPLICATION	As indicated
DA	9700	NOTIFICATION - ELEVATIONS	27	22.10.2019	DEVELOPMENT APPLICATION	As indicated

Issue

No.	Date	Description	Chkd
1	05.04.2019	CLIENT UPDATE	NBRS
2	01.04.2019	CLIENT UPDATE	NBRS
3	08.04.2019	DEVELOPMENT APPLICATION	NBRS
4	30.04.2019	CLIENT UPDATE	NBRS
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS

Drawing Title
COVER SHEET

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com
Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consisitutes an infringement of the copyright. ABN 16 002 247 565
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286 © 2019

Date 24/10/2019 12:57:15 PM
Scale N.T.S.@ A1

Drawing Reference 16087-NBRS-0000
Revision 20

0 1 2 3 4 5 6 7 8 9 10

NBRSARCHITECTURE.



PEDESTRIAN ENTRY

VEHICLE ENTRY

EXISTING POOL AREA SHOWN DOTTED

PROPOSED BUILDING

PROPOSED EXTERNAL WORKS

Issue

No.	Date	Description	Chkd
11	07.06.2019	CLIENT UPDATE	NBRS
12	11.06.2019	TO CONSULTANTS	NBRS
14	19.06.2019	PRE DA	NBRS
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS
26	18.10.2019	DEVELOPMENT APPLICATION	NBRS

Architect

NBRSARCHITECTURE.

Sydney

61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright

Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286

ABN 16 002 247 565

© 2019

Project

Tara Aquatic Centre and Sports Precinct Proposed Upgrades

at

Masons Dr, North Parramatta NSW 2151

for

Tara Anglican School for Girls

Drawing Title

CAMPUS PLAN

Date 24/10/2019 1:49:28 PM

Scale 1:1000 @ A1 or 1:2000 @ A3

Drawing Reference 16087-NBRS-0001

Revision 26

0 10m 20m 30m 40m 50m 60m 70m 80m 1:1000



LEGEND

- SITE FALL
- VIEWS
- BOUNDARY
- SUN PATH DIAGRAM
- PREVAILING WIND DIRECTION
- PRIVATE DRIVEWAY ENTRY/EXIT
- PRIVATE ACCESS PEDESTRIANS

Issue

No.	Date	Description	Chkd
14	19.06.2019	PRE DA	NBRS
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com
Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286
ABN 16 002 247 565 © 2019

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

Drawing Title
SITE ANALYSIS

Date 24/10/2019 1:49:30 PM
Scale 1:2000 @ A1 or 1:4000 @ A3

Drawing Reference 16087-NBRS-0002
Revision 20

0 20m 40m 60m 80m 100m 120m 140m 160m 1:2000



Fig 1. TARA CHAPEL LOOKING EAST



Fig 2. TARA BUILDING LOOKING NORTH WEST



Fig 3. TARA ADMIN BUILDING LOOKING NORTH



Fig 4. SENIOR SCHOOL COURTYARD LOOKING NORTH



Fig 5. TARA ADMINISTRATION BUILDING & GYM LOOKING NORTH EAST



Fig 6. EXISTING OVAL & POOL LOOKING SOUTH WEST



Fig 7. POOL SITE



Fig 8. EXISTING POOL



Fig 9. EXISTING TENNIS COURTS & VIEWS TO PARRAMATTA LAKE RECREATIONAL AREA BEYOND



Issue

No.	Date	Description	Chkd
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com
Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consisstitutes an infringement of the copyright
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286
ABN 16 002 247 565
© 2019

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

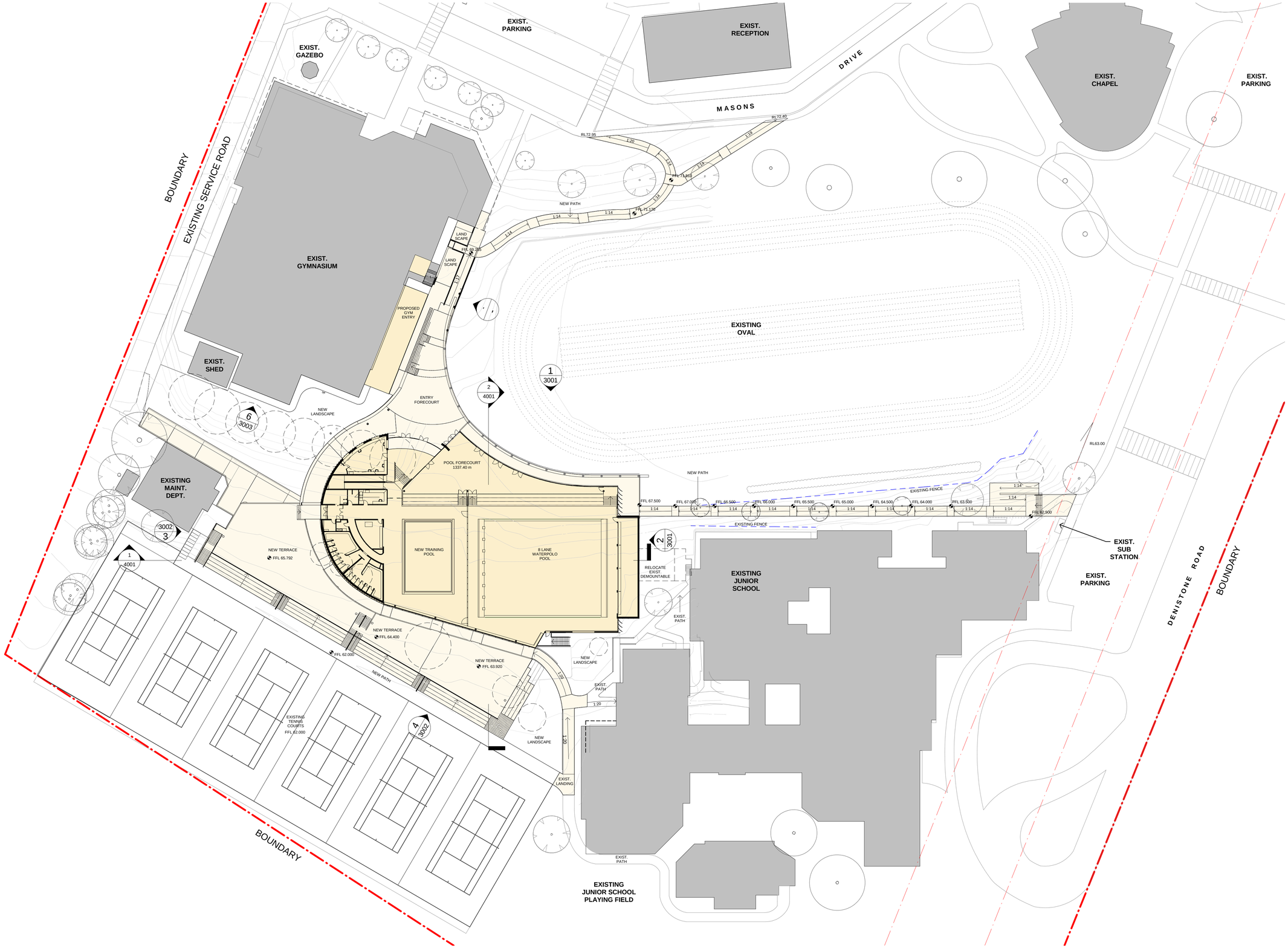
Drawing Title
SITE PHOTOS

Date 24/10/2019 12:57:35 PM
Scale N.T.S.

Drawing Reference 16087-NBRS-0003
Revision 20

0 0m 0m 0m 0m 0m 0m 0m 0m 1:0

NBRSARCHITECTURE.



PROPOSED BUILDING

PROPOSED EXTERNAL WORKS

PROPOSED TREES TO BE REMOVED

NB: REFER ALSO TO LANDSCAPE AND ARBORIST REPORTS AND DRAWINGS

Issue

No.	Date	Description	Chkd
11	07.06.2019	CLIENT UPDATE	NBRS
12	11.06.2019	TO CONSULTANTS	NBRS
13	17.06.2019	CLIENT UPDATE	NBRS
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS
25	15.10.2019	DEVELOPMENT APPLICATION	NBRS

Architect

NBRSARCHITECTURE.

Sydney

61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright

Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286

ABN 16 002 247 565

© 2019

Project

Tara Aquatic Centre and Sports Precinct Proposed Upgrades

at

Masons Dr, North Parramatta NSW 2151

for

Tara Anglican School for Girls

Drawing Title

SITE PLAN

Date 24/10/2019 12:58:58 PM

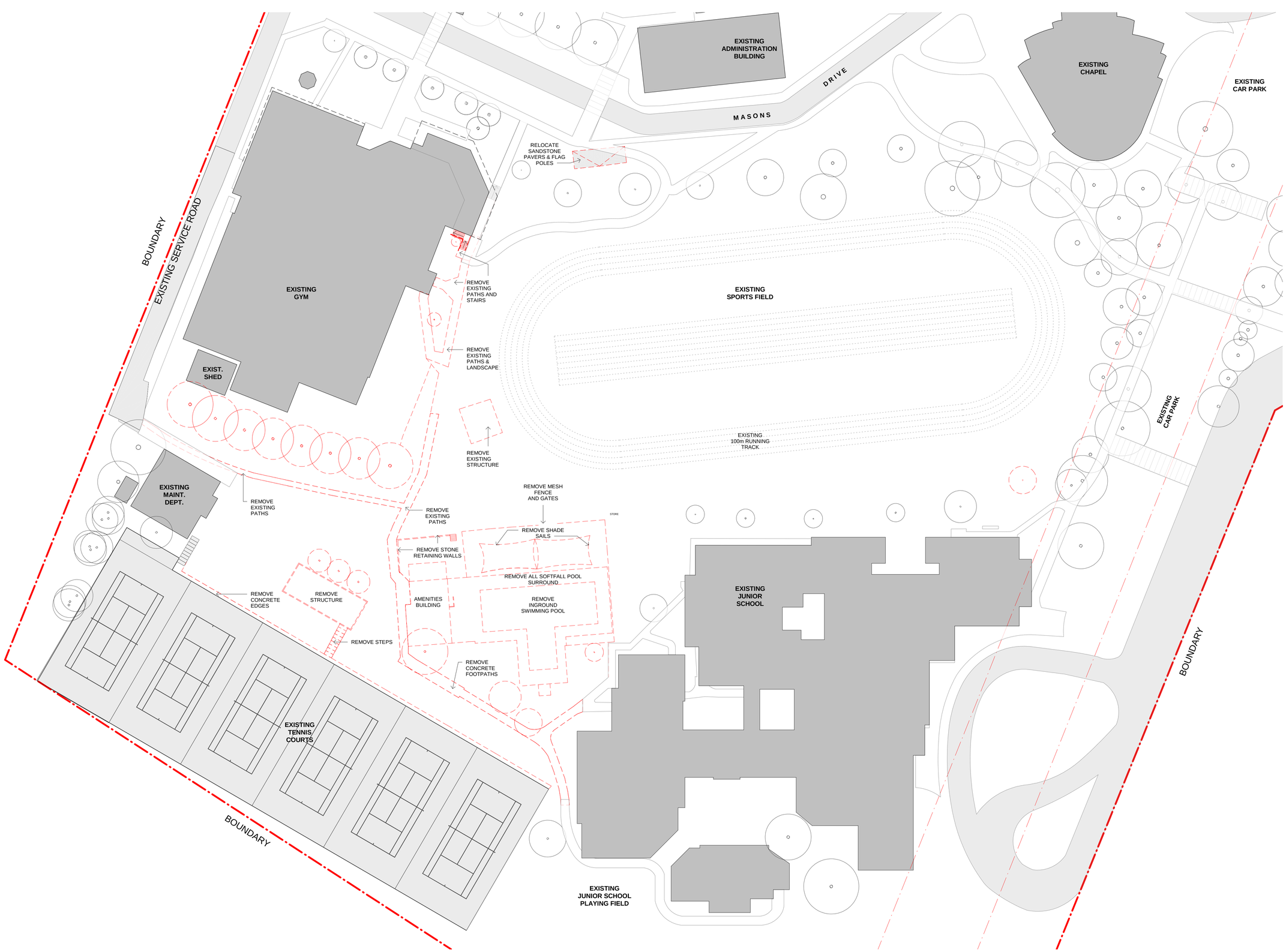
Scale 1:400 @ A1 or 1:800 @ A3

Drawing Reference 16087-NBRS-0004

Revision 25

0 4m 8m 12m 16m 20m 24m 28m 32m 1:400

NBRSARCHITECTURE.



LEGEND

- EXISTING
- DEMOLITION
- REMOVE TREES

Issue

No.	Date	Description	Chkd
14	19.06.2019	PRE DA	NBRS
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright

Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286
ABN 16 002 247 565

© 2019

Project

Tara Aquatic Centre and Sports Precinct Proposed Upgrades

at

Masons Dr, North Parramatta NSW 2151

for

Tara Anglican School for Girls

Drawing Title

DEMOLITION PLAN

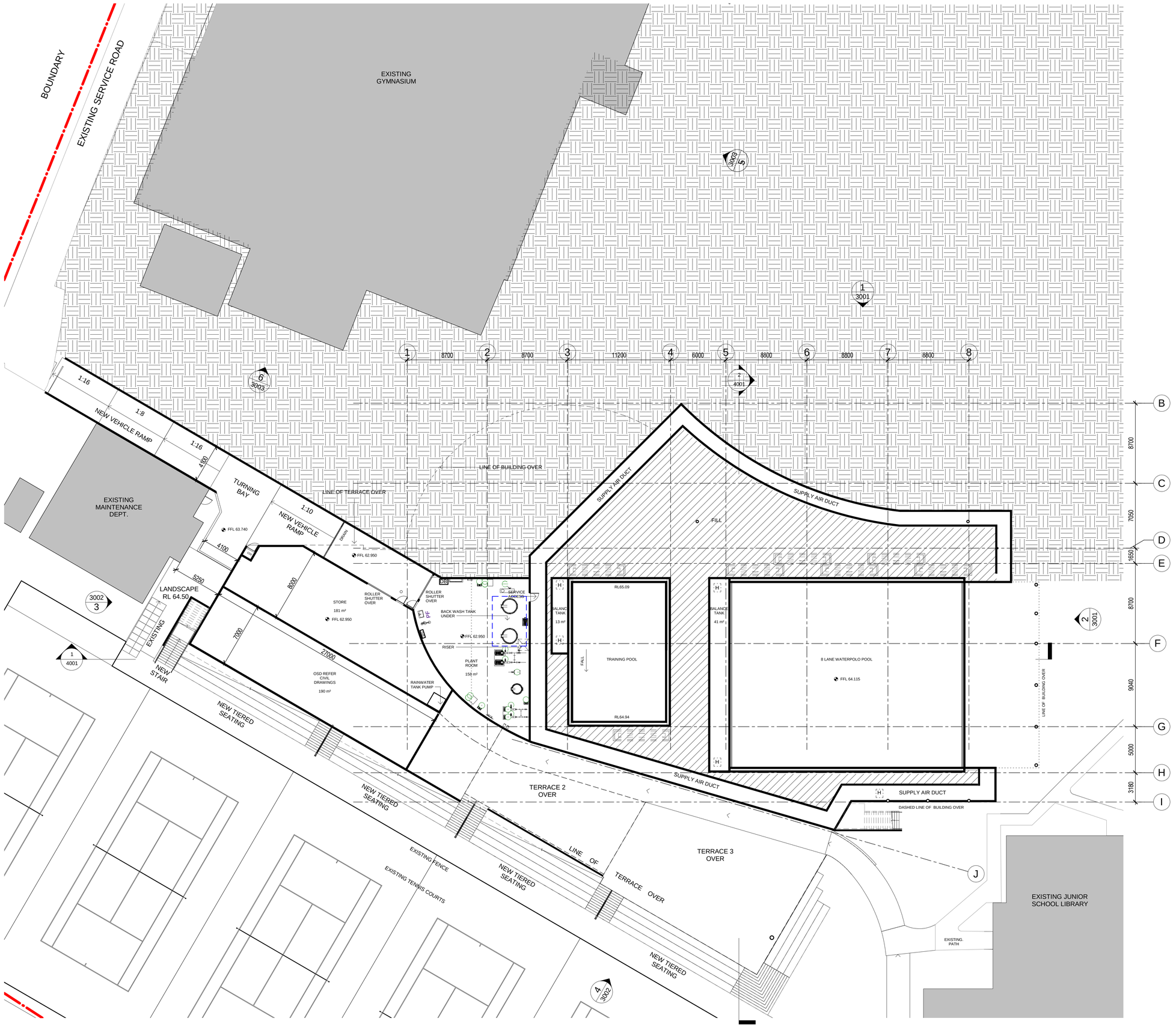
Date 24/10/2019 1:02:10 PM

Scale 1:400 @ A1 or 1:800 @ A3

Drawing Reference 16087-NBRS-1001

Revision 20

0 4m 8m 12m 16m 20m 24m 28m 32m 1:400



Issue

No.	Date	Description	Chkd
23	04.10.2019	TO CONSULTANTS	NBRS
24	11.10.2019	DEVELOPMENT APPLICATION	NBRS
25	15.10.2019	DEVELOPMENT APPLICATION	NBRS
26	18.10.2019	DEVELOPMENT APPLICATION	NBRS

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright

Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286
ABN 16 002 247 565

© 2019

Project

Tara Aquatic Centre and Sports Precinct Proposed Upgrades

at

Masons Dr, North Parramatta NSW 2151

for

Tara Anglican School for Girls

Drawing Title

BASEMENT FLOOR PLAN

Date 24/10/2019 1:02:19 PM

Scale 1:200 @ A1 or 1:400 @ A3

Drawing Reference 16087-NBRS-1002

Revision 26

0 2m 4m 6m 8m 10m 12m 14m 16m 1:200

NBRSARCHITECTURE.

EXISTING GYMNASIUM REFER TO DA DRAWING 1004
RL 68.560

PROPOSED GYM ENTRY REFER TO DA DRAWING 1004
RL 68.560

EXISTING SHED

NEW HYDRANT

EXISTING

NEW PATH

LANDSCAPE

REFER TO LANDSCAPE ARCHITECT'S DRAWINGS

EXISTING PLAYING FIELD

EXISTING RETAINING WALL

ENTRY FORECOURT

LINE OF BOARHEAD OVER

OFFICE 58 m²

SLIDING WINDOW

ENTRY 136 m²

GALLERY 244 m² FFL 67.500

COMMS 5 m²

FIRST AID ROOM 19 m²

ADULT CHANGE ROOM 15 m²

AMB. ACCESS SHW & WC

SINK

TIERED SEATING 66 m² FFL 66.300

GLASS SLIDERS (REMOTE OPERATED)

STORE 29 m² FFL 66.300

FHR

ACCESSIBLE WC/SHR

CHANGE RM A 46 m²

CHANGE RM B 46 m²

SA DROPPER 1 m²

CLNRS 2 m²

TERRACE 1 413 m² FFL 65.792

NEW TRAINING POOL 150 m² 10000 x 15000

8 LANE WATERPOLO POOL 500 m²

STORE 90 m²

Roller Shutters Over 21520

NEW PATH REFER LANDSCAPE PLAN

TERRACE 2 118 m² FFL 64.400

TERRACE 3 254 m² FFL 63.920

RL63.32

RL62.70

REFER TO LANDSCAPE ARCHITECT'S DRAWINGS

EXTERNAL TIERED SEATING 32 m²

ENTRY 62.21

EXISTING JUNIOR SCHOOL

EXISTING PATH

EXISTING MAINT. DEPT.

REVERSE BAY FFL 63.740

NEW VEHICLE RAMP

EXISTING TENNIS COURTS

1:20 PATH

1:14 RAMP

1:10

1:16

1:8

DPS COL

8700 | 8700 | 11200 | 6000 | 8800 | 8800 | 8800 | 8800 | 5830

5550 | 8700 | 7050 | 1650 | 8700 | 9040 | 5000 | 3180

1 2 3 4 5 6 7 8 9

A B C D E F G H I J K

20 21 22 23 24 25 26 27 28

3002/3 | 3003/6 | 3003/5 | 4001/1 | 4001/2 | 3001/1 | 3001/2 | 3002/4

Issue

No.	Date	Description	Chkd
23	04.10.2019	TO CONSULTANTS	NBRS
24	11.10.2019	DEVELOPMENT APPLICATION	NBRS
25	15.10.2019	DEVELOPMENT APPLICATION	NBRS
26	18.10.2019	DEVELOPMENT APPLICATION	NBRS

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright

Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286
ABN 16 002 247 565

© 2019

Project

Tara Aquatic Centre and Sports Precinct Proposed Upgrades

at

Masons Dr, North Parramatta NSW 2151

for

Tara Anglican School for Girls

Drawing Title

GROUND FLOOR PLAN

Date 24/10/2019 1:02:37 PM

Scale 1:200 @ A1 or 1:400 @ A3

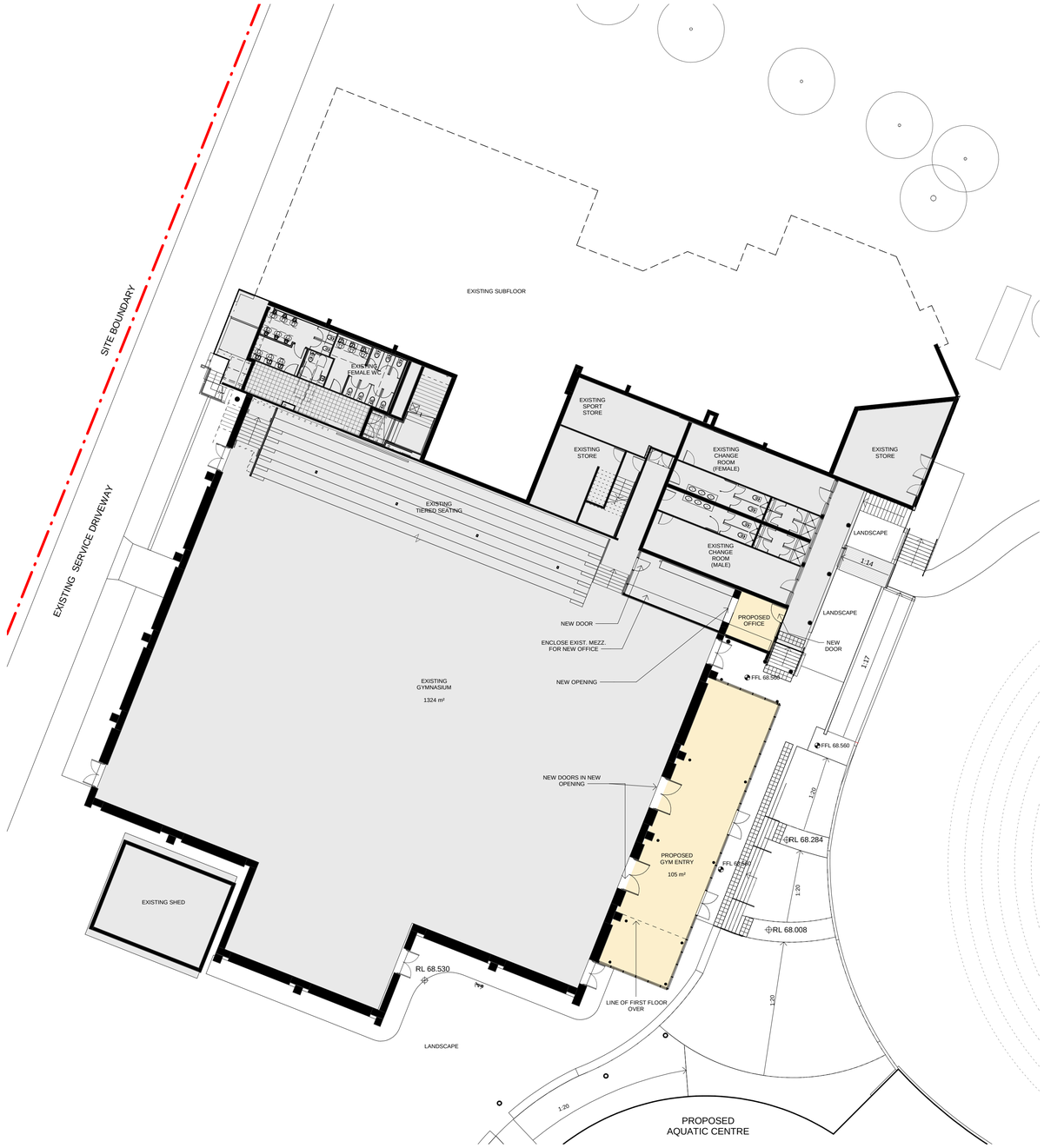
Drawing Reference 16087-NBRS-1003

Revision 26

0 2m 4m 6m 8m 10m 12m 14m 16m 1:200

NBRSARCHITECTURE.

No color scheme assigned to view



Issue

No.	Date	Description	Chkd
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS
25	15.10.2019	DEVELOPMENT APPLICATION	NBRS
26	18.10.2019	DEVELOPMENT APPLICATION	NBRS

Architect

NBRSARCHITECTURE.

Sydney

61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright

Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286

ABN 16 002 247 565

© 2019

Project

Tara Aquatic Centre and Sports Precinct Proposed Upgrades

at

Masons Dr, North Parramatta NSW 2151

for

Tara Anglican School for Girls

Drawing Title

GYM GROUND FLOOR PLAN

Date 24/10/2019 1:02:41 PM

Scale 1:200 @ A1 or 1:400 @ A3

Drawing Reference 16087-NBRS-1004

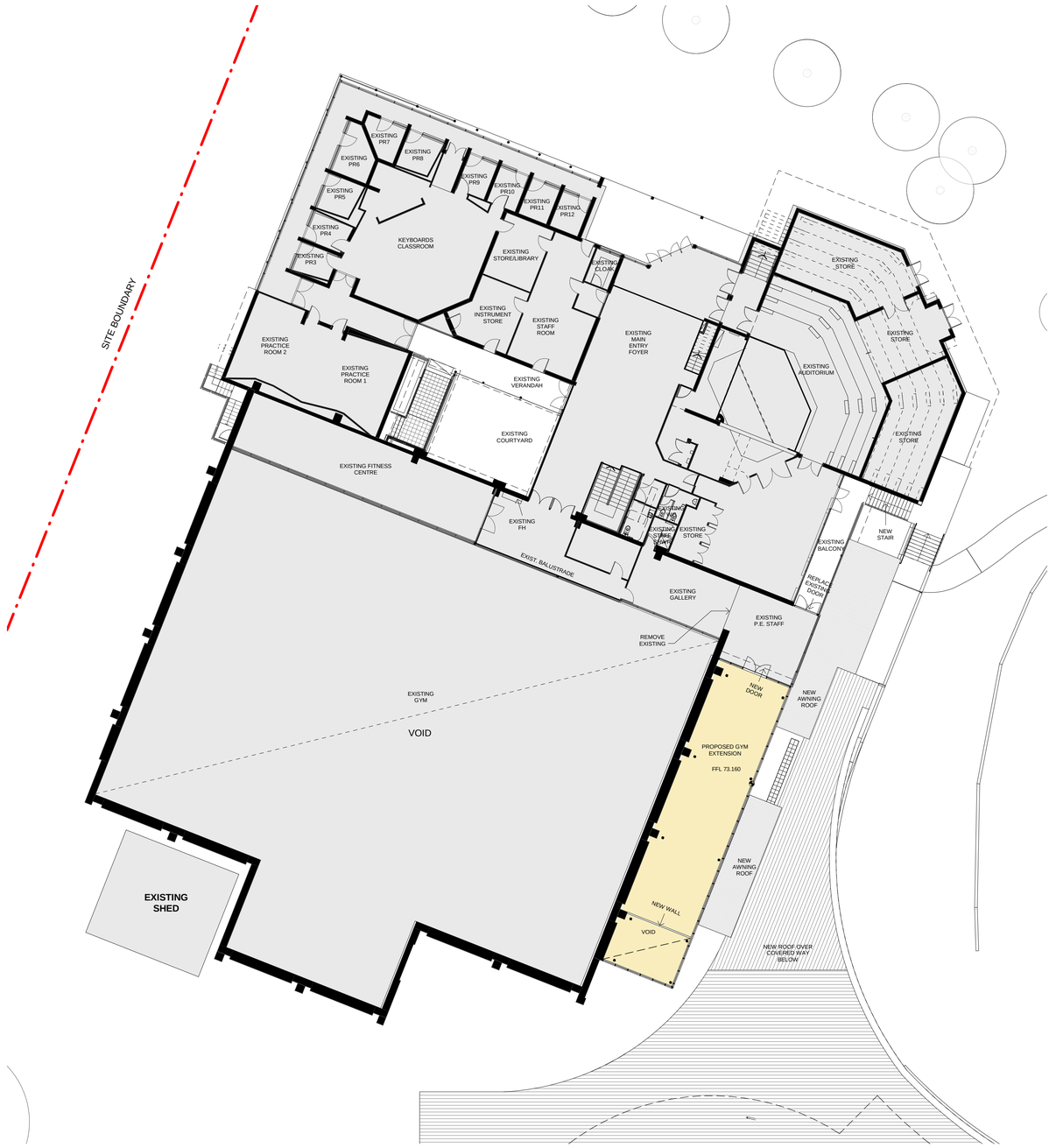
Revision 26

0 2m 4m 6m 8m 10m 12m 14m 16m 1:200

NBRSARCHITECTURE.

COLOUR LEGEND

GYM PROPOSAL



Issue

No.	Date	Description	Chkd
13	17.06.2019	CLIENT UPDATE	NBRS
14	19.06.2019	PRE DA	NBRS
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS
25	15.10.2019	DEVELOPMENT APPLICATION	NBRS
26	18.10.2019	DEVELOPMENT APPLICATION	NBRS

Architect

NBRSARCHITECTURE.

Sydney

61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright

Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286

ABN 16 002 247 565

© 2019

Project

Tara Aquatic Centre and Sports Precinct Proposed Upgrades

at

Masons Dr, North Parramatta NSW 2151

for

Tara Anglican School for Girls

Drawing Title

GYM FIRST FLOOR PLAN

Date 24/10/2019 1:03:08 PM

Scale 1:200 @ A1 or 1:400 @ A3

Drawing Reference 16087-NBRS-1005

Revision 26

0 2m 4m 6m 8m 10m 12m 14m 16m 1:200

NBRSARCHITECTURE.

EXISTING ROOF
EXISTING GUTTER
EXISTING ROOF
EXISTING GYMNASIUM
EXISTING SHED
3.00°
3.00°
3.00°
GUTTER
GUTTER
2.00°
2
4001
3003
5
PROPOSED GYM ENTRY AWNING
NEW ROOF TO MATCH ADJ. EXIST
1
3001
6
3003
1
2
3
4
5
6
7
8
9
8700
8700
11200
6000
8800
8800
8800
5830
A
B
C
D
E
F
G
H
I
5650
8700
7050
1650
8700
9040
5000
3180
PROPOSED AQUATIC CENTRE
LINE OF BUILDING BELOW
GUTTER
2.00°
7.50°
5.00°
GUTTER
GUTTER
EXISTING MAINTENANCE DEPARTMENT
3002
3
ACCESS HATCH
ROOF PLANT
CONCRETE
METAL ROOF
2.00°
2.00°
2.00°
2.00°
2.00°
2.00°
GUTTER
GUTTER
GUTTER
HWU
1
4001
2
3001
20
21
22
23
24
25
26
27
28
8800
8800
8800
8800
8800
8800
8800
LINE OF BUILDING BELOW
EXISTING TENNIS COURTS
4
3002
J
K
EXISTING JUNIOR SCHOOL

Issue

No.	Date	Description	Chkd
23	04.10.2019	TO CONSULTANTS	NBRS
24	11.10.2019	DEVELOPMENT APPLICATION	NBRS
26	18.10.2019	DEVELOPMENT APPLICATION	NBRS

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright

Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286
ABN 16 002 247 565

© 2019

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

Drawing Title
ROOF PLAN

Date 24/10/2019 1:03:15 PM
Scale 1:200 @ A1 or 1:400 @ A3

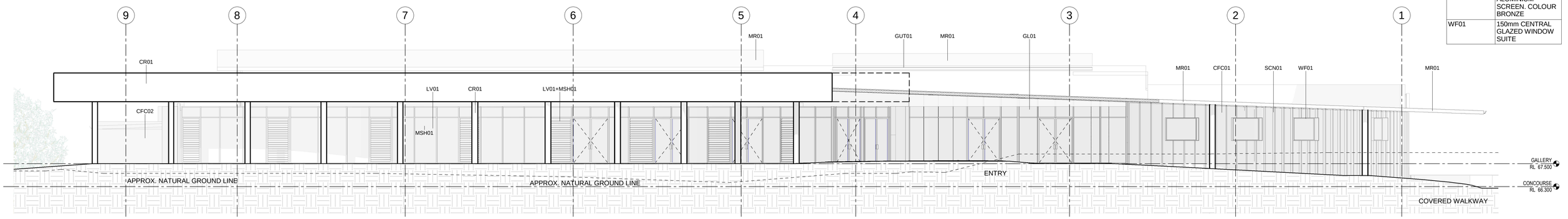
Drawing Reference 16087-NBRS-1006
Revision 26

0 2m 4m 6m 8m 10m 12m 14m 16m 1:200

NBRSARCHITECTURE.

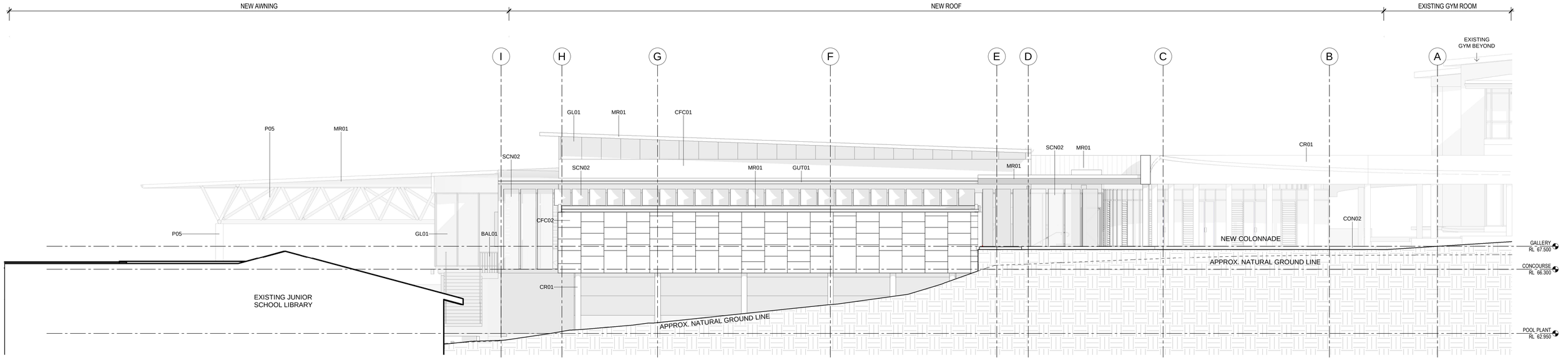
Keynote Legend	
Key Value	Keynote Text
BAL01	METAL BALUSTRADE
CFC01	COMPRESSED FIBRE CEMENT CLADDING WITH ALUMINIUM SUB-FRAMING,PAINT FINISH
CFC02	COMPRESSED FIBRE CEMENT CLADDING WITH ALUMINIUM SUB-FRAMING,PAINT FINISH
CON02	BROOM FINISH CONRETE PAVING-STANDARD GREY COLOUR
CR01	CEMENT RENDER TYPE 1-PAINT COLOUR-WHITE
GL01	ALUMINIUM GLASS

Keynote Legend	
Key Value	Keynote Text
GUT01	HALF ROUND EAVES GUTTER, COLOUR TO MATCH ROOF SHEET
LV01	GLASS LOUVERS
LV01+MSH01	
MR01	PROPRIETARY CORRUGATED AND INSULATED ROOF PANELS
MSH01	METAL MESH SCREEN- TO ALL OPERABLE WINDOWS AND LOUVRES
P05	PAINT COLOUR 5- FOR STEELWORK
SCN01	SCREEN 1- ANODISED ALUMINIUM VERTICAL BATTEN SCREEN. COLOUR BRONZE
SCN02	SCREEN 2- ANODISED ALUMINIUM SCREEN. COLOUR BRONZE
WF01	150nm CENTRAL GLAZED WINDOW SUITE



1 NORTH ELEVATION 1

1 : 100



2 EAST ELEVATION 1

1 : 100

Issue

No.	Date	Description	Chkd
14	19.06.2019	PRE DA	NBRS
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS
24	11.10.2019	DEVELOPMENT APPLICATION	NBRS

Drawing Title
ELEVATIONS - SHEET 1

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

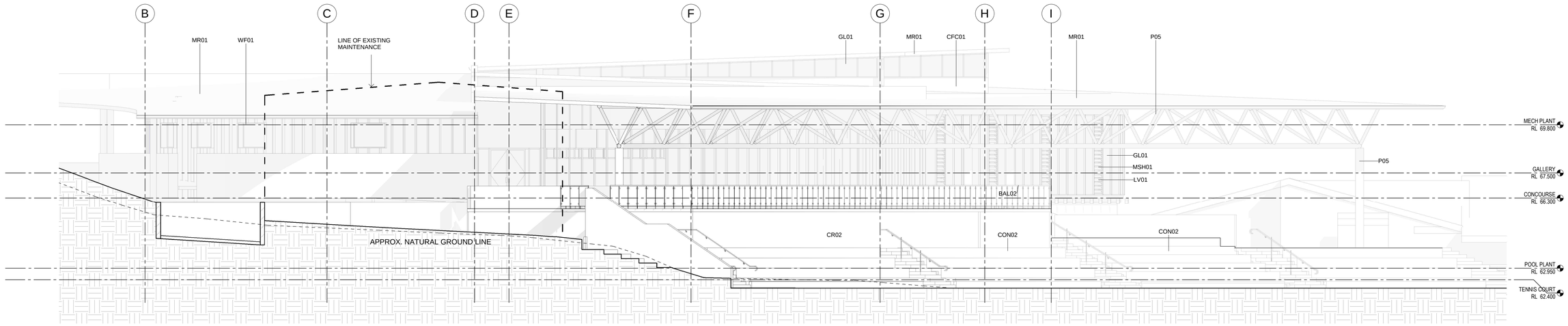
for
Tara Anglican School for Girls

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com
Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright. ABN 16 002 247 565
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286 © 2019

Date 24/10/2019 1:03:24 PM
Scale 1:100 @ A1 or 1:200 @ A3

Drawing Reference 16087-NBRS-3001
Revision 24

0 1m 2m 3m 4m 5m 6m 7m 8m 1:100

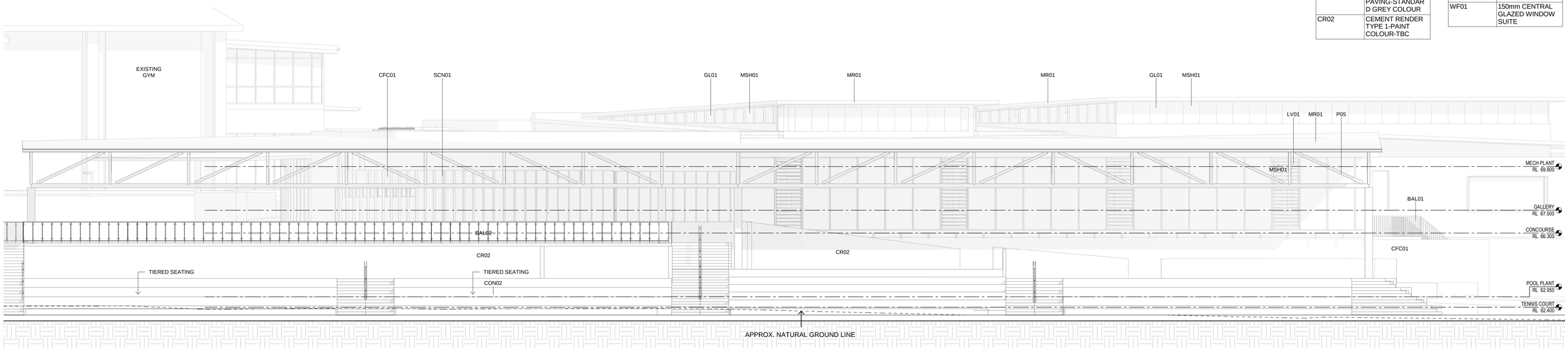


3 WEST ELEVATION 1

1 : 100

Keynote Legend	
Key Value	Keynote Text
BAL01	METAL BALUSTRADE
BAL02	METAL FRAMED GLASS BALUSTRADE WITH SS STEEL POSTS, HANDRAIL AND PATCH FITTINGS-TOUGHENED LAMINATED SAFETY GLASS
CFC01	COMPRESSED FIBRE CEMENT CLADDING WITH ALUMINIUM SUB-FRAMING,PAINT FINISH
CON02	BROOM FINISH CONRETE PAVING-STANDARD GREY COLOUR
CR02	CEMENT RENDER TYPE 1-PAINT COLOUR-TBC

Keynote Legend	
Key Value	Keynote Text
GL01	ALUMINIUM GLASS
LV01	GLASS LOUVERS
MR01	PROPRIETARY CORRUGATED AND INSULATED ROOF PANELS
MSH01	METAL MESH SCREEN- TO ALL OPERABLE WINDOWS AND LOUVRES
P05	PAINT COLOUR 5-FOR STEELWORK
SCN01	SCREEN 1-ANODISED ALUMINIUM VERTICAL BATTEN SCREEN. COLOUR BRONZE
WF01	150mm CENTRAL GLAZED WINDOW SUITE



4 SOUTH ELEVATION 1

1 : 100

Issue

No.	Date	Description	Chkd
14	19.06.2019	PRE DA	NBRS
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS

Drawing Title
ELEVATIONS - SHEET 2

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

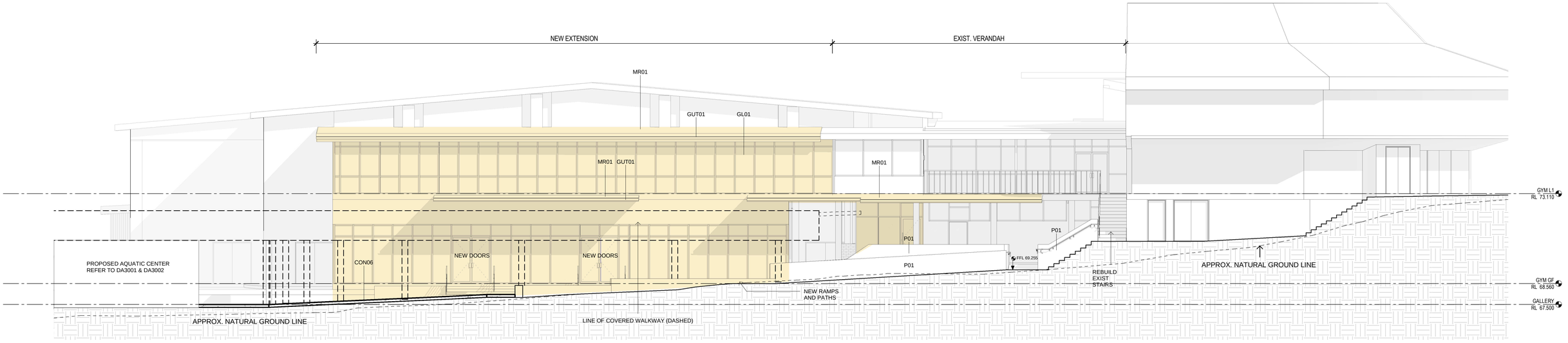
Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright. ABN 16 002 247 565
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286
© 2019

Date 24/10/2019 1:03:37 PM
Scale 1:100 @ A1 or 1:200 @ A3

Drawing Reference 16087-NBRS-3002
Revision 20

0 1m 2m 3m 4m 5m 6m 7m 8m 1:100



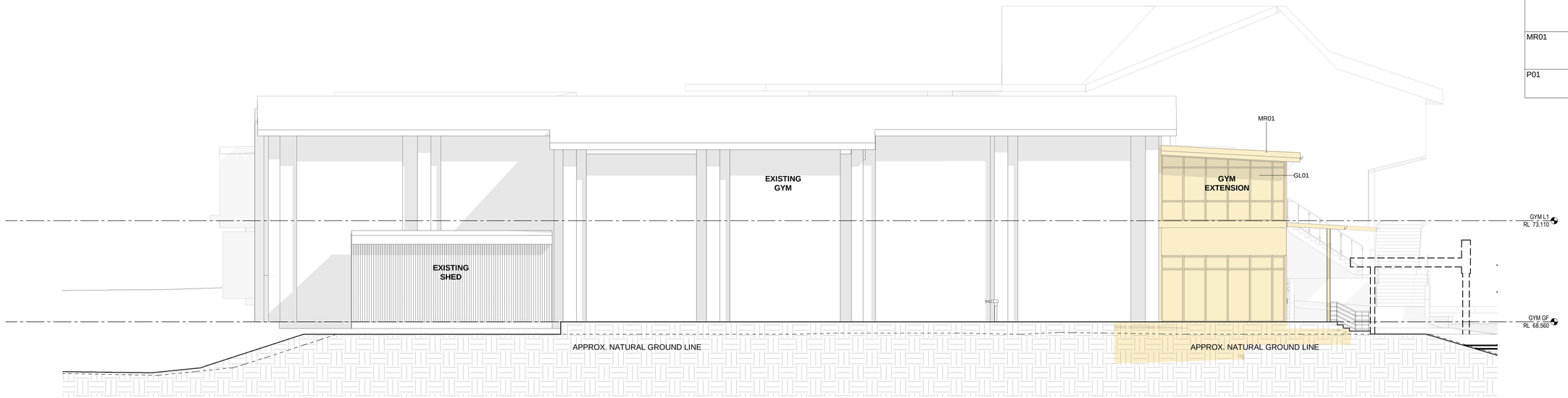
5 GYM ELEVATION 1

1 : 100

LEGEND

PROPOSED

Keynote Legend	
Key Value	Keynote Text
CON06	BROOM FINISH CONCRETE SLAB-NON SLIP, GREY PIGMENT
GL01	ALUMINIUM GLASS
GUT01	HALF ROUND EAVES GUTTER, COLOUR TO MATCH ROOF SHEET
MR01	PROPRIETARY CORRUGATED AND INSULATED ROOF PANELS
P01	PAINT COLOUR 1- FOR TEXTURED RENDERED WALLS



6 GYM ELEVATION 2

1 : 100

Issue

No.	Date	Description	Chkd
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS

Drawing Title
ELEVATIONS - SHEET 3

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

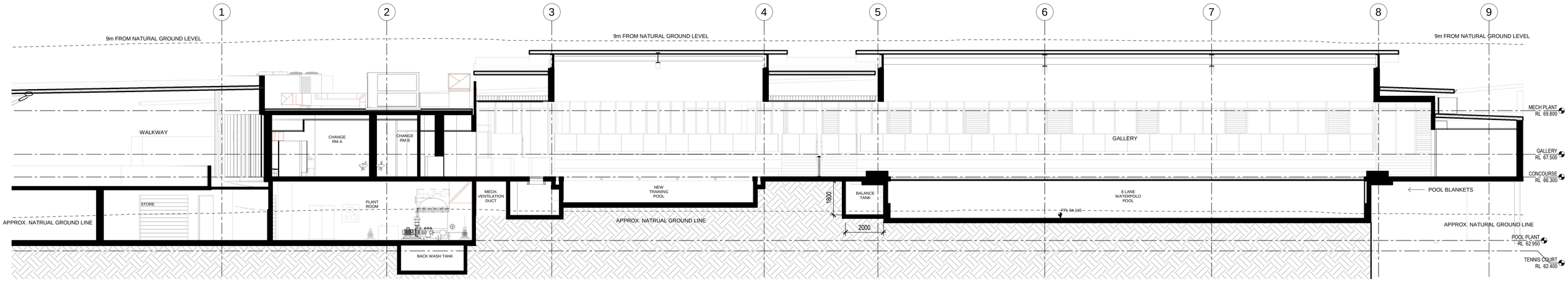
Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright. ABN 16 002 247 565
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286 © 2019

Date 24/10/2019 1:03:44 PM
Scale 1:100 @ A1 or 1:200 @ A3

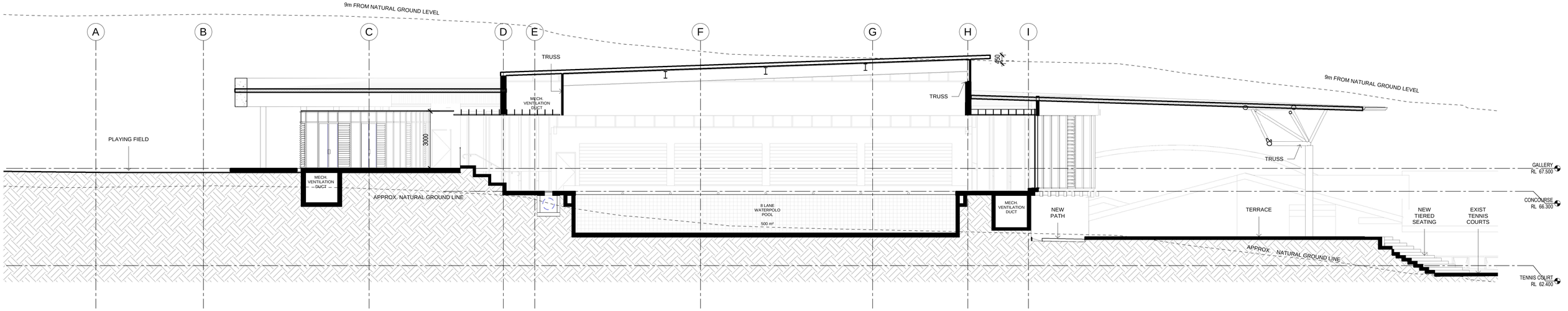
Drawing Reference 16087-NBRS-3003
Revision 20

0 1m 2m 3m 4m 5m 6m 7m 8m 1:100



1 LONGITUDINAL SECTION

1 : 100



2 SECTION

1 : 100

Issue

No.	Date	Description	Chkd
12	11.06.2019	TO CONSULTANTS	NBRS
13	17.06.2019	CLIENT UPDATE	NBRS
14	19.06.2019	PRE DA	NBRS
16	01.07.2019	TO CLIENT AND CONSULTANTS	NBRS
17	04.07.2019	CLIENT UPDATE	NBRS
19	16.07.2019	DRAFT DA PRESENTATION	NBRS
20	19.07.2019	DEVELOPMENT APPLICATION	NBRS
26	18.10.2019	DEVELOPMENT APPLICATION	NBRS

Drawing Title
SECTIONS

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

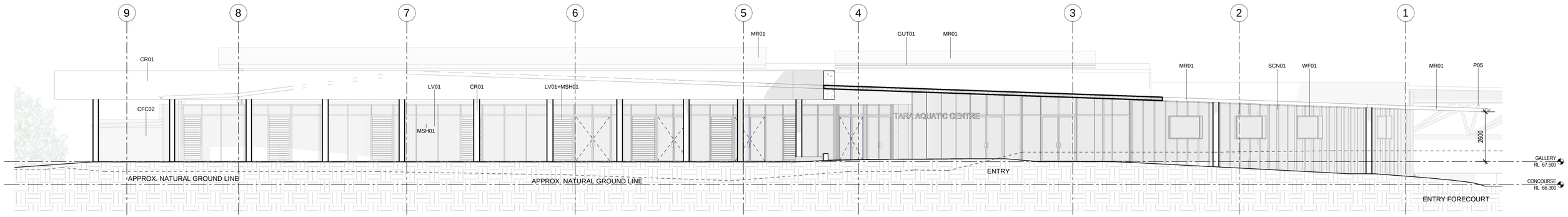
Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright. ABN 16 002 247 565
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286
© 2019

Date 24/10/2019 1:03:52 PM
Scale 1:100 @ A1 or 1:200 @ A3

Drawing Reference 16087-NBRS-4001
Revision 26

0 1m 2m 3m 4m 5m 6m 7m 8m 1:100



1 NORTH ELEVATION1

1 : 100



MR
COLORBOND ROOFING

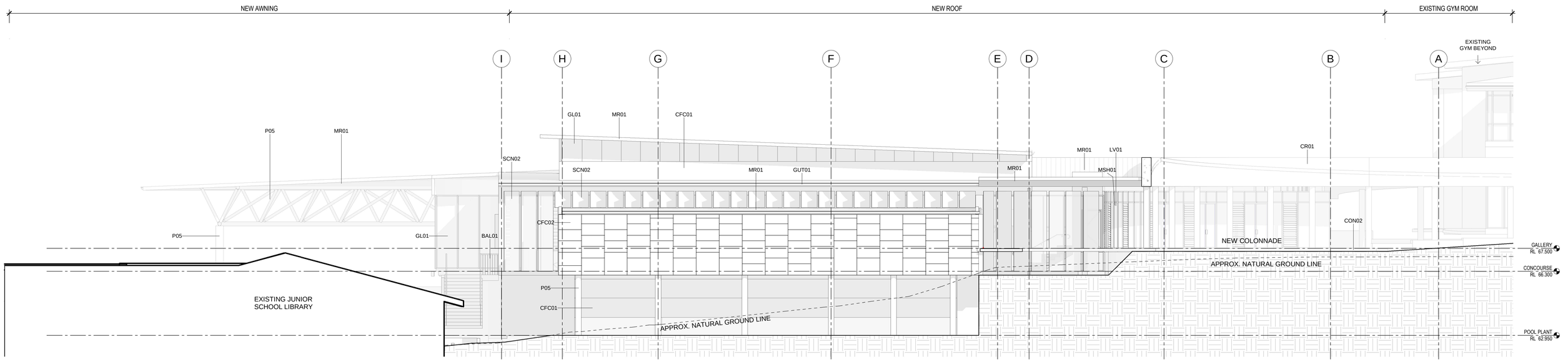
CON
CONCRETE

CFC
COMPRESSED FIBRE
CEMENT CLADDING

CFC
COMPRESSED FIBRE
CEMENT CLADDING

P05
PAINT FINISH

SCN
SCREEN ANODISED
ALUMINIUM- BRONZE



2 EAST ELEVATION1

1 : 100

Issue

No.	Date	Description	Chkd
27	22.10.2019	DEVELOPMENT APPLICATION	NBRS

Drawing Title
MATERIALS BOARD

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright. ABN 16 002 247 565
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286
© 2019

Date 24/10/2019 1:04:00 PM
Scale 1:100 @ A1 or 1:200 @ A3

Drawing Reference 16087-NBRS-5000
Revision 27

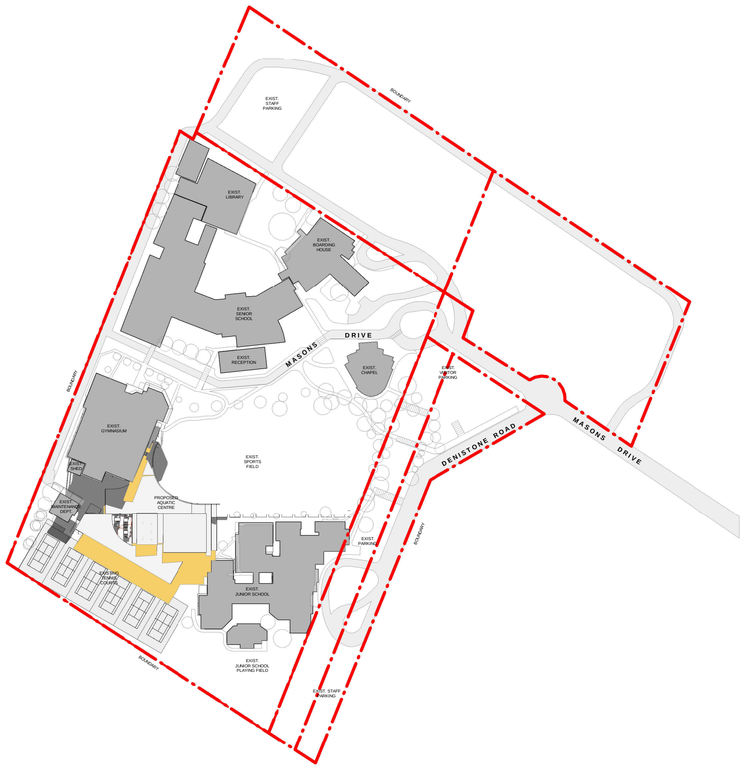
0 1m 2m 3m 4m 5m 6m 7m 8m 1:100

NBRSARCHITECTURE.

LEGEND

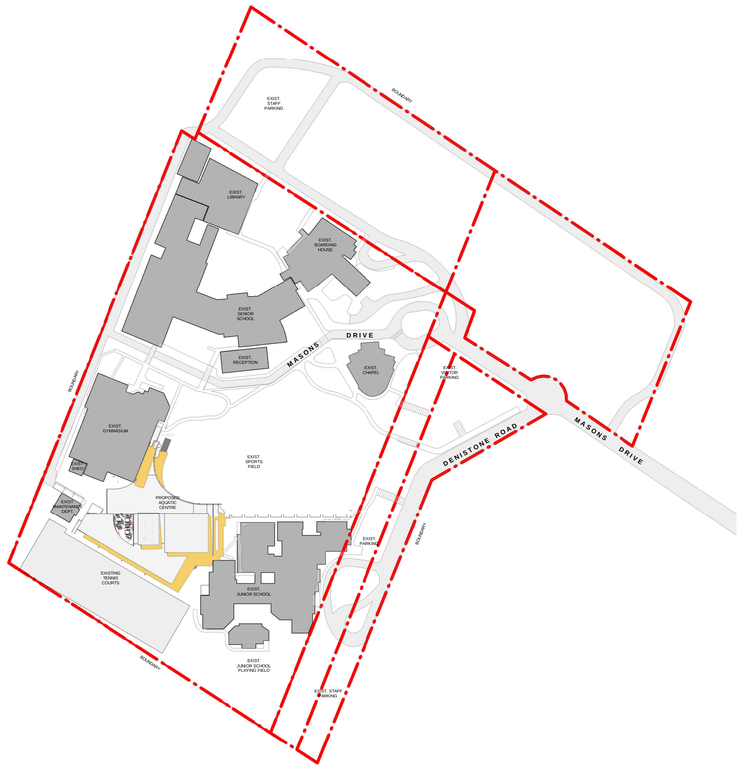
EXISTING SHADOW

NEW SHADOW



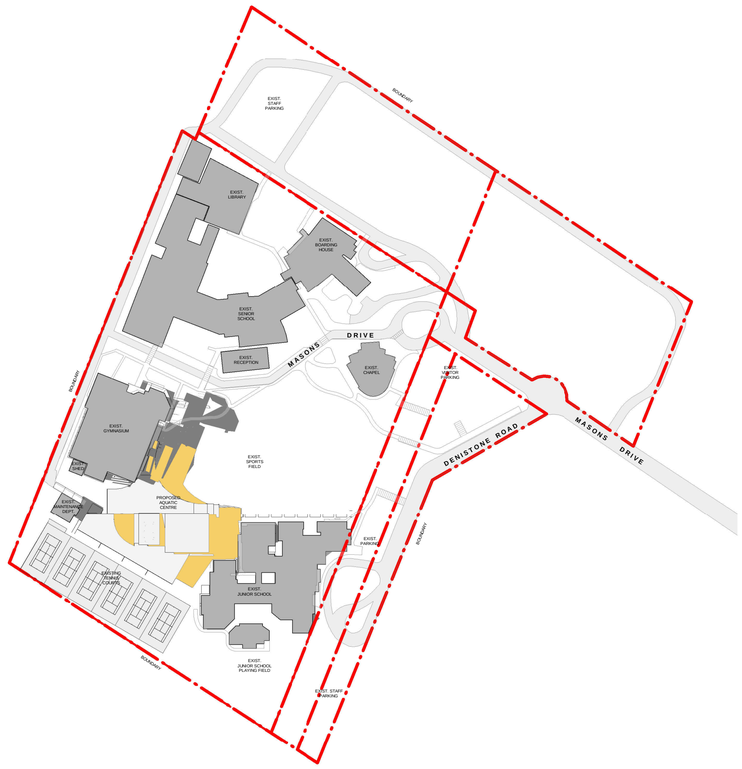
1 JUNE 21 SHADOW DIAGRAM 9AM

1 : 2000



2 JUNE 21 SHADOW DIAGRAM 12PM

1 : 2000



3 JUNE 21 SHADOW DIAGRAM 3PM

1 : 2000

Issue

No.	Date	Description	Chkd
2	01.04.2019	CLIENT UPDATE	NBRS
3	08.04.2019	DEVELOPMENT APPLICATION	NBRS

Drawing Title
SHADOW DIAGRAMS

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

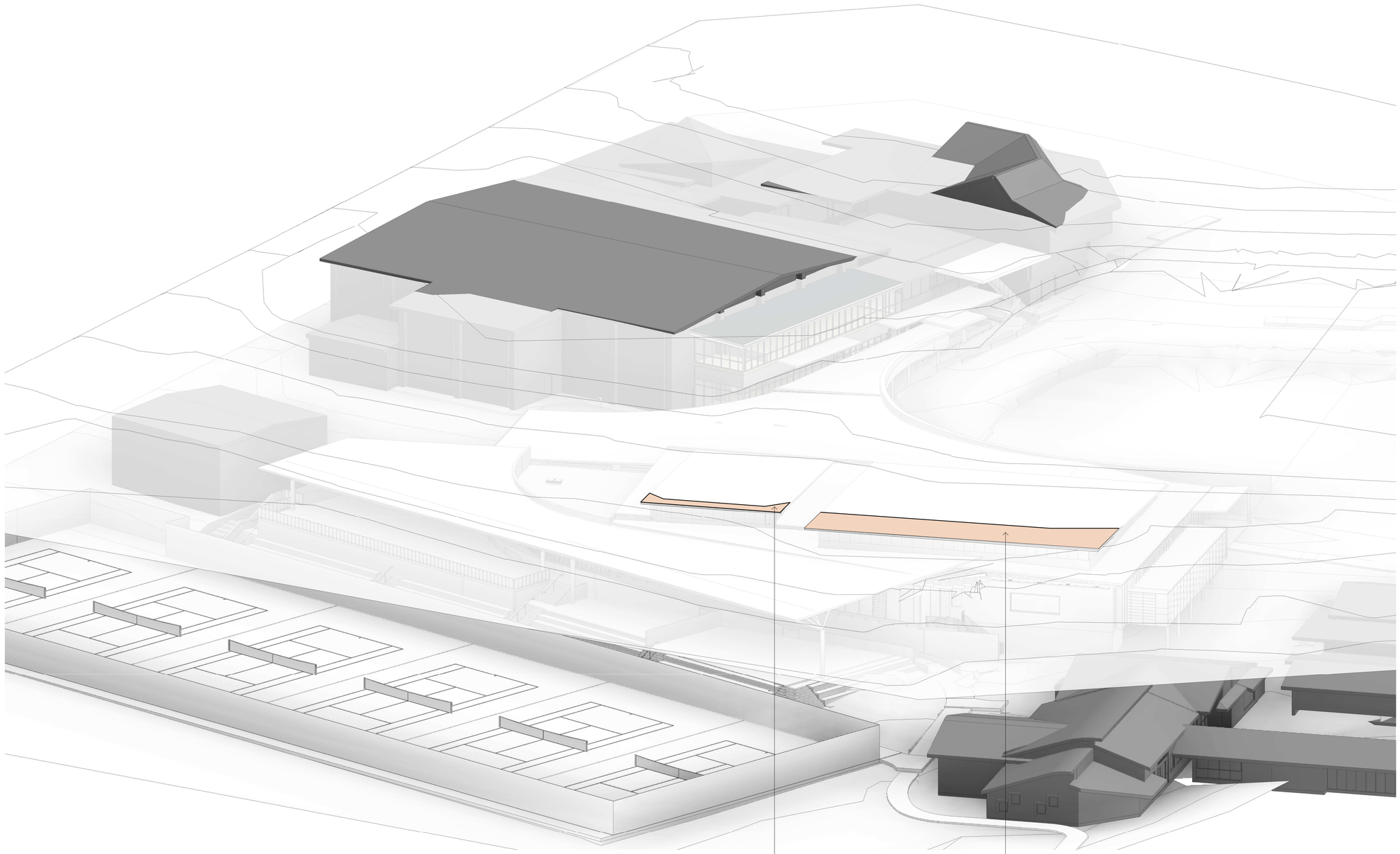
Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com
Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright. ABN 16 002 247 565
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286 © 2019

Date 24/10/2019 1:04:07 PM
Scale 1:2000 @ A1 or 1:4000 @ A3

Drawing Reference 16087-NBRS-6000
Revision 3

0 20m 40m 60m 80m 100m 120m 140m 160m 1:2000

NBRSARCHITECTURE.



LEGEND

PROPOSED

Issue

No.	Date	Description	Chkd
5	09.05.2019	TO STRUCT. ENG.	NBRS
27	22.10.2019	DEVELOPMENT APPLICATION	NBRS

Architect

NBRSARCHITECTURE.

Sydney
61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright

Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286

ABN 16 002 247 565

© 2019

Project

Tara Aquatic Centre and Sports Precinct Proposed Upgrades

at

Masons Dr, North Parramatta NSW 2151

for

Tara Anglican School for Girls

Drawing Title

3D HEIGHT PLANE STUDY

Date 24/10/2019 1:04:52 PM

Scale As indicated @ A1

Drawing Reference 16087-NBRS-9000

Revision 27

0 1 2 3 4 5 6 7 8 9 10



Issue

No.	Date	Description	Chkd
1	05.04.2019	CLIENT UPDATE	NBRS
2	01.04.2019	CLIENT UPDATE	NBRS
3	08.04.2019	DEVELOPMENT APPLICATION	NBRS

Drawing Title
PHOTOMONTAGE

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com

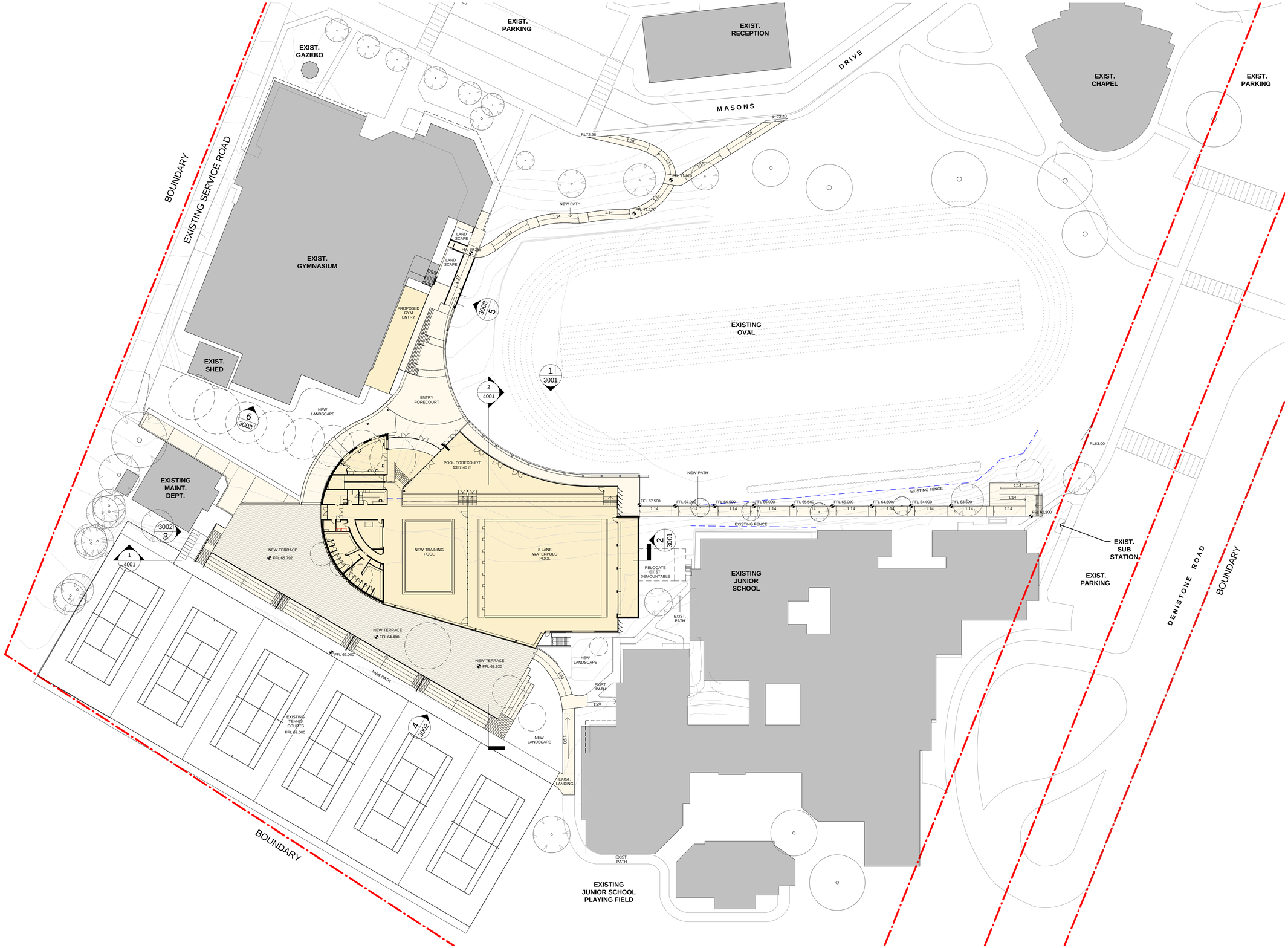
Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright. ABN 16 002 247 565
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286 © 2019

Date 24/10/2019 1:04:54 PM
Scale N.T.S.@ A1

Drawing Reference 16087-NBRS-9500
Revision 3

0 1 2 3 4 5 6 7 8 9 10

NBRSARCHITECTURE.



PROPOSED BUILDING

PROPOSED EXTERNAL WORKS

PROPOSED TREES TO BE REMOVED

NB: REFER ALSO TO LANDSCAPE AND ARBORIST REPORTS AND DRAWINGS

Issue

No.	Date	Description	Chkd
27	22.10.2019	DEVELOPMENT APPLICATION	NBRS

Architect

NBRSARCHITECTURE.

Sydney

61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright

Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286

ABN 16 002 247 565

© 2019

Project

Tara Aquatic Centre and Sports Precinct Proposed Upgrades

at

Masons Dr, North Parramatta NSW 2151

for

Tara Anglican School for Girls

Drawing Title

NOTIFICATION - SITE PLAN

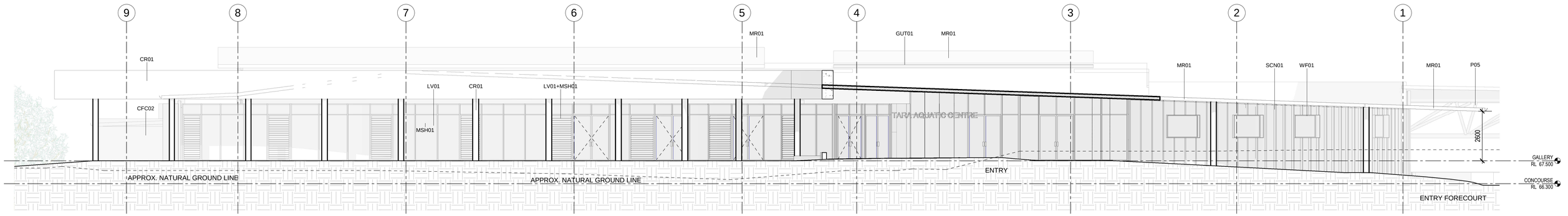
Date 24/10/2019 1:06:17 PM

Scale 1:400 @ A1 or 1:800 @ A3

Drawing Reference 16087-NBRS-9600

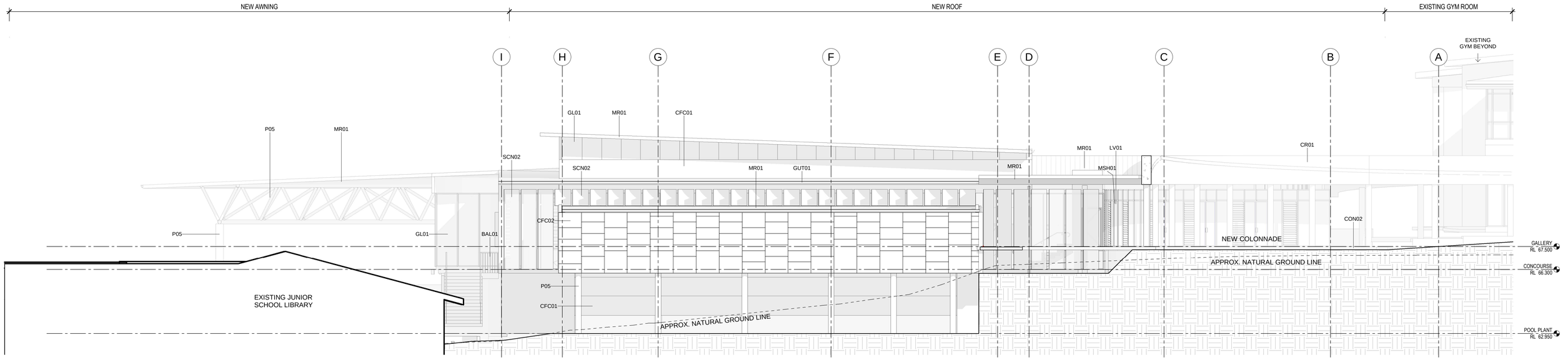
Revision 27

0 4m 8m 12m 16m 20m 24m 28m 32m 1:400



1 NORTH ELEVATION

1 : 100



2 EAST ELEVATION

1 : 100

Issue

No.	Date	Description	Chkd
27	22.10.2019	DEVELOPMENT APPLICATION	NBRS

Drawing Title
NOTIFICATION - ELEVATIONS

Project
Tara Aquatic Centre and Sports Precinct Proposed Upgrades
at
Masons Dr, North Parramatta NSW 2151

for
Tara Anglican School for Girls

Architect
NBRSARCHITECTURE.
Sydney
61 2 9922 2344 nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS+PARTNERS Pty Ltd consistitutes an infringement of the copyright. ABN 16 002 247 565
Nominated Architects:
Geoffery Deane 3766; Andrew Duffin; Garry Hoddinett 5286 © 2019

Date 24/10/2019 1:06:25 PM
Scale 1:100 @ A1 or 1:200 @ A3

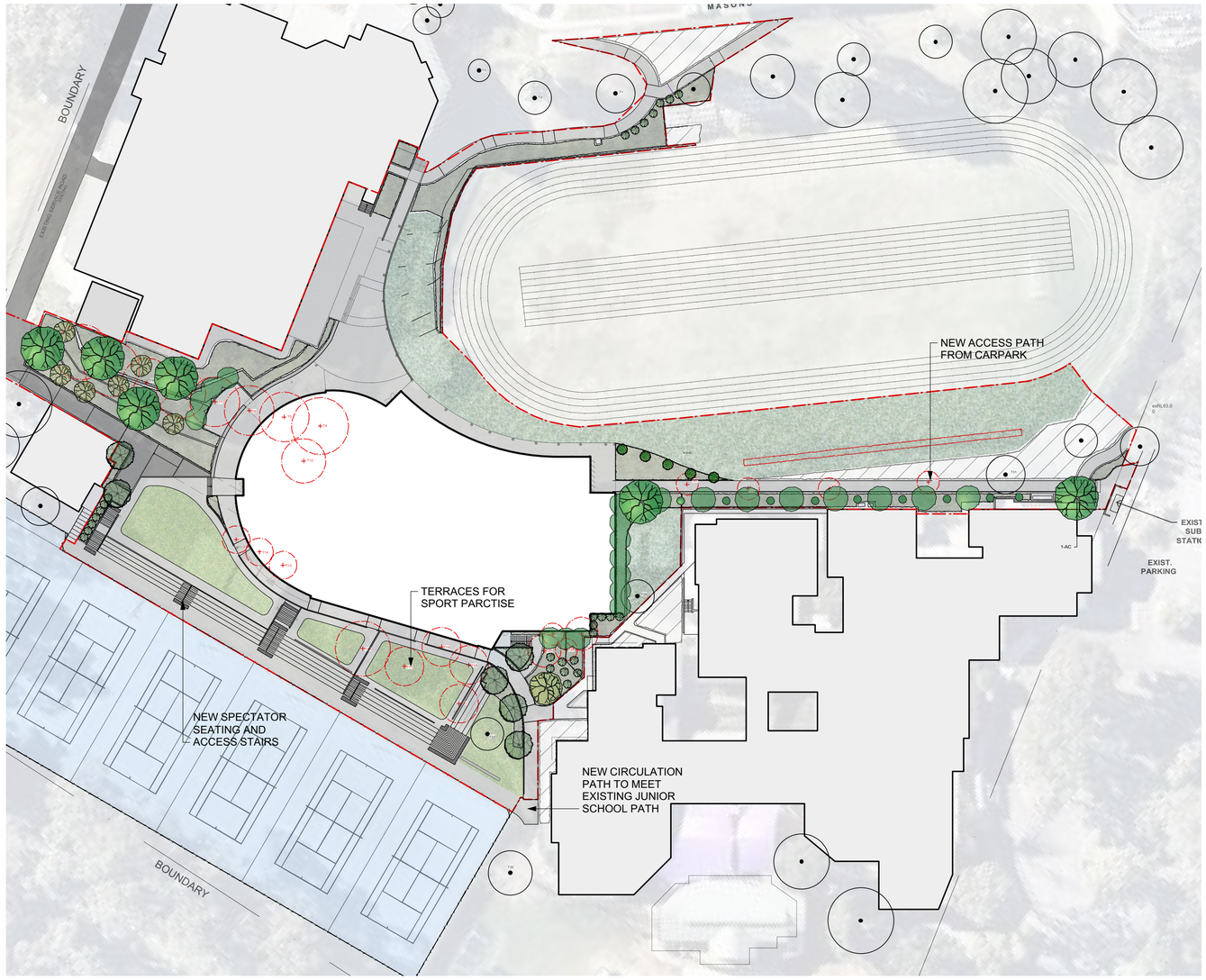
Drawing Reference 16087-NBRS-9700
Revision 27

0 1m 2m 3m 4m 5m 6m 7m 8m 1:100



1 CONTEXT PLAN
NTS

LANDSCAPE DEVELOPMENT APPLICATION - DRAWING SCHEDULE			
SHEET No.	**TITLE**	**SCALE**	**REVISION NO.**
LDA000	COVER PAGE	AS SHOWN	D
LDA100	LANDSCAPE PLAN	1:250 @A0	D
LDA200	LANDSCAPE PLANTING PALETTE	N/A	D
LDA300	LANDSCAPE SECTIONS	N/A	D
LDA300	LANDSCAPE DETAILS	N/A	D



2 SITE PLAN
1:500 @ A1

LANDSCAPE DEVELOPMENT APPLICATION

TARA AQUATIC CENTRE AND SPORTS PRECINCT | TARA ANGLICAN SCHOOL FOR GIRLS

MASONS DR, NORTH PARRAMATTA

Issue

No.	Date	Description	Chkd
A	18/10/2019	Draft DA Issue	KC
B	21/10/2019	DA Issue	KC
C	23/10/2019	DA Issue	KC
D	24/10/2019	DA Issue	KC

Drawing Title
COVER PAGE

Project
TARA AQUATIC CENTRE AND SPORTS PRECINCT

Location
MASONS DR, NORTH PARRAMATTA

Client
TARA ANGLICAN SCHOOL FOR GIRLS

Landscape Architect
NBRSARCHITECTURE.
LANDSCAPE
Level 3, 4 Glen Street, Milsons Point. NSW 2061 Australia
T: 61 2 9922 2344 F: 61 2 9922 1308
E: architects@nbrsarchitecture.com W: nbrsarchitecture.com

Any form of replication of this drawing in full or in part without the written permission of NBRS & PARTNERS Pty Ltd constitutes an infringement of the copyright © 2019
ABN 16 002 247 565

Date 24/10/2019
Scale AS SHOWN
0 25 M

Project No.	Sheet No.	Revision No.
16087	LDA000	D



1 LANDSCAPE PLAN 1
1:250 @A0

LEGEND

- EXTENT OF WORK
- RL 00.00 PROPOSED GROUND LEVEL
- EX 00.00 EXISTING GROUND LEVEL
- PROPOSED BROOM FINISHED PLAIN CONCRETE
- PROPOSED COLOURED CONCRETE (GREEN)
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- EXISTING TREE TO BE PROTECTED AND RETAINED
- EXISTING TREE TO REMOVED
- PROPOSED TREE PLANTING
- PROPOSED MASS PLANTING OF SHRUBS AND GROUNDCOVERS
- PROPOSED ARTIFICIAL TURF
- PROPOSED NATURAL TURF
- EXISTING LANDSCAPE TO BE RETAINED

Issue

No.	Date	Description	Chkd
A	18/10/2019	Draft DA Issue	KC
B	21/10/2019	DA Issue	KC
C	23/10/2019	DA Issue	KC
D	24/10/2019	DA Issue	KC

Drawing Title
LANDSCAPE PLAN

Project
TARA AQUATIC CENTRE AND SPORTS PRECINCT

Location
MASONS DR, NORTH PARRAMATTA

Client
TARA ANGLICAN SCHOOL FOR GIRLS

Landscape Architect
NBRSARCHITECTURE. LANDSCAPE
Level 3, 4 Glen Street, Milsons Point. NSW 2061 Australia
T: 61 2 9922 2344 F: 61 2 9922 1308
E: architects@nbrsarchitecture.com W: nbrsarchitecture.com
Any form of replication of this drawing in full or in part without the written permission of NBRS & PARTNERS Pty Ltd constitutes an infringement of the copyright
ABN 16 002 247 565
© 2019

Date 24/10/2019
Scale 1:250 @A0
0 10 M

Project No. 16087
Sheet No. LDA100
Revision No. D

PLANTING PALETTE

TREES



BANKSIA INTEGRIFOLIA
COAST BANKSIA



CUPANIOPSIS ANACARDIOIDES
TUCKEROO



*ELAEOCARPUS RETICULATUS **
BLUEBERRY ASH



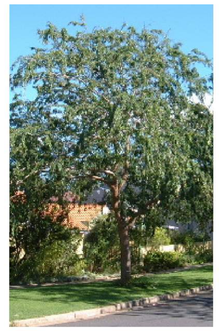
LAGESTROMEA INDICA 'NATCHEZ'
CREPE MYRTLE



PYRUS LEUHMANNII
SMALL-LEAF LILLY PILLY



*TRISTANIOPSIS LAURINA **
WATER GUM



ULMUS PARVIFOLIA
CHINESE ELM

SHRUBS



ABELIA GRANDIFLORA
GLOSSY ABELIA



ANIGOZANTHOS 'BUSH BLAZE'
BUSH BLAZE KANGAROO PAWS



CALLISTEMON VIMINALIS 'LITTLE JOHN'
WEEPING BOTTLEBRUSH



DIANELLA REVULUTA ^
BLUE FLAX LILLY



DORYANTHES EXCELSA
GYMEA LILY



GARDENIA JASMINOIDES 'RADICANS'
MINIATURE GARDENIA



HEBE ELLIPTICA ^
BLUE GEM

GROUNDCOVERS & GRASSES



POA AFFINIS
TUSSOCK GRASS



CAREX APPRESSA
TALL SEDGE



LOMANDRA LONGIFOLIA
SPINY-HEADED MAT-RUSH



LOMANDRA LONGIFOLIA 'TANIKA'
SPINY HAEAD MAT RUSH

EXISTING TREE SCHEDULE

Tree	Botanical Name	Common Name	Quantity	Retain / Remove
1	Pistachio chinensis	Chinese Pistachio	1	Retain
2	Lophostemon confertus	Brush Box	1	Retain^
3	Pistachio chinensis	Chinese Pistachio	1	Retain
4	Eucalyptus microcorys	Tallowwood	1	Remove^
5	Eucalyptus microcorys	Tallowwood	1	Remove^
6	Eucalyptus microcorys	Tallowwood	1	Remove^
7	Eucalyptus microcorys	Tallowwood	1	Remove^
8	Eucalyptus microcorys	Tallowwood	1	Remove^
9	Eucalyptus microcorys	Tallowwood	1	Remove^
10	Eucalyptus microcorys	Tallowwood	1	Remove^
11	Eucalyptus microcorys	Tallowwood	1	Remove^
12	Citharexylum spinosum	Fiddlewood	1	Remove
13	Triadica sebifera	Chinese Tallow	1	Remove
14	Triadica sebifera	Chinese Tallow	1	Remove
15	Triadica sebifera	Chinese Tallow	1	Remove
16	Jacaranda mimosifolia	Jacaranda	1	Remove
17	Acer palmatum	Japanese Maple	1	Remove
18	Tristaniopsis laurina	Watergum	1	Remove
19	Syagrus romanzoffianum	Cocos Palm	6	Remove
20	Syagrus romanzoffianum	Cocos Palm	6	Remove
21	Platanus X acerifolia	London Plane	1	Remove
22	Tristaniopsis laurina	Watergum	1	Retain
23	Syagrus romanzoffianum	Cocos Palm	4	Remove
24	Callistemon viminalis	Weeping Bottlebrush	1	Remove
25	Callistemon viminalis	Weeping Bottlebrush	1	Remove
26	Araucaria columnaris	Cook Pine	1	Retain^
27	Eucalyptus paramattensis	Parramatta Red Gum	1	Remove
28	Lophostemon confertus	Brush Box	1	Remove
29	Acacia saligna	WA Golden Wattle	1	Remove
30	Melaleuca salicina	Willow Bottlebrush	1	Remove
31	Grevillea robusta	Silky Oak	1	Retain
32	Platanus X acerifolia	London Plane	1	Retain*

* Trees required pruning to prevent construction damage and to clear building
^ Significant site trees with high retention values

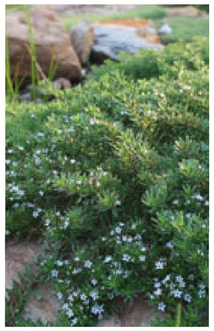
GROUNDCOVERS & GRASSES



JUNIPERUS CONFERTA
SHORE JUNIPER



LAVANDULA DENTATA
FRENCH LAVENDER



MYOPORUM PARVIFOLIUM
CARPET SPREADING MYOPORUM



ALTERNANTHERA DENATA
LITTLE RUBY



VIOLA HEDERACEA
NATIVE VIOLET



WESTRINGIA FRUTICOSA ^
COASTAL ROSEMARY

Plant List

ID	Botanical Name	Common Name	Qty	Size	Height	Width
Trees						
AC	Angophora costata	Smooth-barked Apple	6	100L	15 - 20m	6 - 10m
BI	Banksia integrifolia	Coastal Banksia	6	100L	5 - 10m	3.5 - 6m
CAN	Cupaniopsis anacardioides	Tuckeroo	8	100L	10 - 15m	3.5 - 6m
CS	Cupressus sempervirens 'Glauca'	Blue Italian Cypress	5	100L	50 - 80 ft.	4 - 7 ft.
ER	Elaeocarpus reticulatus	Blueberry Ash	27	100L	5 - 10m	3.5 - 6m
LI	Lagerstroemia indica 'Natchez'	Crepe myrtle	6	100lt	Height	Spread
SL	Syzygium luehmannii	Small-leaf Lilly Pilly	14	75L	10 - 15m	6 - 10m
UP	Ulmus parvifolia	Chinese Elm	1	100L	10 - 15m	10 - 15m
Shrubs						
AG	Abelia x grandiflora	Glossy Abelia	67	5L	1.5 - 3m	1.2 - 2.0m
AD	Alternanthera dentata	Little Ruby	82	5LT	0.3 - 0.45m	0.3 - 0.6m
AN	Asplenium nidus	Birds Nest Fern	135	5L	0.9 - 1.5m	2.0 - 3.5m
BG	Blechnum gibbum	Blechnum 'Silver Lady'	206	15LT	Height	Spread
CV	Callistemon viminalis 'Little John'	Weeping Bottlebrush	30	5L	0.9 - 1.5m	0.9 - 1.2m
CC	Cyathea cooperi	Scaly Tree Fer	16	25L	10 - 15m	0.6 - 0.9m
DE	Doryanthes excelsa	Gymea Lilly	25	45L	1.5 - 3m	1.2 - 2.0m
GF	Gardenia florida	Gardenia	45	25L	0.3 - 0.45m	1.2 - 2.0m
GJ	Gardenia jasminoides 'Radicans'	Miniature Gardenia	30	25L	0.3 - 0.45m	1.2 - 2.0m
HE	Hebe elliptica	Blue Gem	30	5L	3 - 5m	2.0 - 3.5m
JC	Juniperus conferta	Shore Juniper	425	5L	0.3 - 0.45m	2.0 - 3.5m
WFR	Westringia fruticosa	Coastal Rosemary	255	25L	0.9 - 1.5m	0.9 - 1.2m
Ground Covers/ Climbers						
HV	Hardenbergia violacea	Purple Twining-pea, False Sarsap	69	5L	0.75 - 0.9m	1.2 - 2.0m
TJ	Trachelospermum jasminoides	Star Jasmine	353	5L	3 - 5m	3.5 - 6m
Grasses						
CA	Carex appressa	Tall Sedge	625	5L	0.9 - 1.5m	0.3 - 0.6m
DR	Dianella revoluta	Blue Flax Lily	275	2.5L	0.75 - 0.9m	0.3 - 0.6m
LM	Liriope muscari	Blue Lily Turf	589	5L	12 - 18 in	12 - 24 in
LL	Lomandra longifolia	Spiny-headed Mat-Rush	238	5L	0.75 - 0.9m	0.9 - 1.2m
LT	Lomandra longifolia Tanika	Spiny-headed mat rush	413	5L	0.45 - 0.6m	0.6 - 0.9m
PAF	Poa affinis	Tussock Grass	238	5L	0.9 - 1.5m	0.0 - 0.3m
Total			**4219**			

Issue

No.	Date	Description	Chkd
A	18/10/2019	Draft DA Issue	KC
B	21/10/2019	DA Issue	KC
C	23/10/2019	DA Issue	KC
D	24/10/2019	DA Issue	KC

* THE HILLS DCP RECOMMENDED SPECIES - INDIGENOUS SPECIES TO THE HILLS SHIRE

^ THE HILLS DCP RECOMMENDED SPECIES - NON-INDIGENOUS SPECIES TO THE HILLS SHIRE

Drawing Title
LANDSCAPE PLANTING PALETTE

Project
TARA AQUATIC CENTRE AND SPORTS PRECINCT

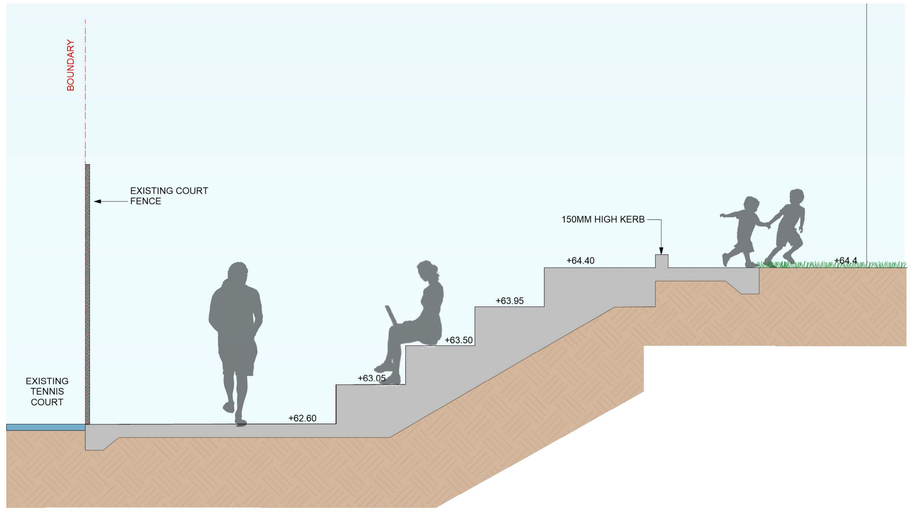
Location
MASONS DR, NORTH PARRAMATTA

Client
TARA ANGLICAN SCHOOL FOR GIRLS

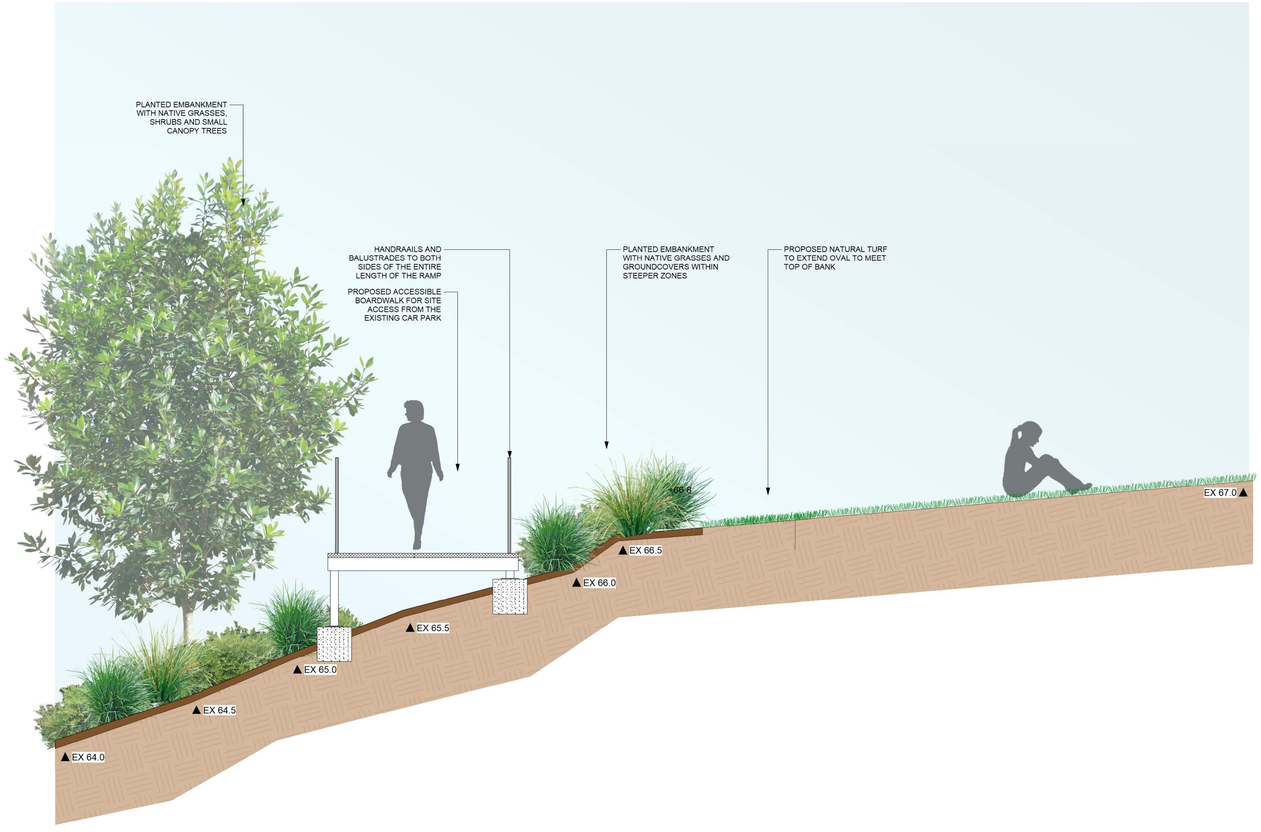
Landscape Architect
NBRS ARCHITECTURE. LANDSCAPE
Level 3, 4 Glen Street, Milsons Point. NSW 2061 Australia
T: 61 2 9922 2344 F: 61 2 9922 1308
E: architects@nbrsarchitecture.com W: nbrsarchitecture.com
Any form of replication of this drawing in full or in part without the written permission of NBRS & PARTNERS Pty Ltd constitutes an infringement of the copyright © 2019
ABN 16 002 247 565

Date 24/10/2019
Scale N/A

Project No. 16087
Sheet No. LDA200
Revision No. D



1 SECTION 01
1:25 @A0



2 SECTION 02
1:25 @A0

Issue

No.	Date	Description	Chkd
A	18/10/2019	Draft DA Issue	KC
B	21/10/2019	DA Issue	KC
C	23/10/2019	DA Issue	KC
D	24/10/2019	DA Issue	KC

Drawing Title
LANDSCAPE PLAN

Project
TARA AQUATIC CENTRE AND SPORTS PRECINCT

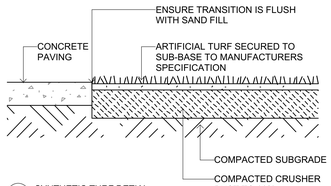
Location
MASONS DR, NORTH PARRAMATTA

Client
TARA ANGLICAN SCHOOL FOR GIRLS

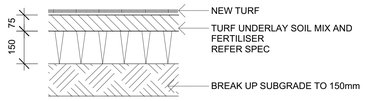
Landscape Architect
NBRSARCHITECTURE. LANDSCAPE
Level 3, 4 Glen Street, Milsons Point. NSW 2061 Australia
T: 61 2 9922 2344 F: 61 2 9922 1308
E: architects@nbrsarchitecture.com W: nbrsarchitecture.com
Any form of replication of this drawing in full or in part without the written permission of NBRS & PARTNERS Pty. Ltd constitutes an infringement of the copyright
© 2019
ABN 16 002 247 565

Date 24/10/2019
Scale 1:25 @A0

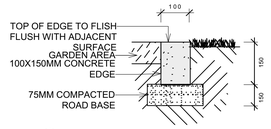
Project No. 16087
Sheet No. LDA300
Revision No. D



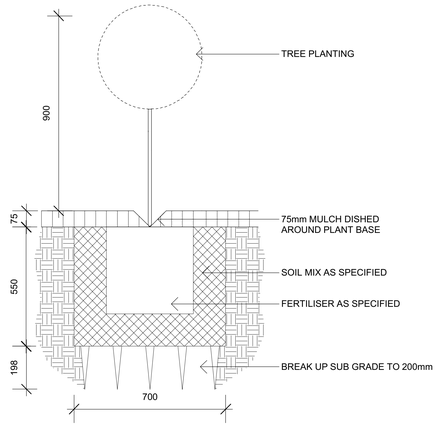
1 SYNTHETIC TURF DETIAL
1:10 @A0



3 TURF DETIAL
1:10 @A0



2 CONCRETE EDGE DETAIL
1:10 @A0



4 45 LITRE CONTAINER
1:10 @A0

5 100 LITRE CONTAINER
1:10 @A0

6 200 LITRE CONTAINER
1:10 @A0

7 MASS PLANTING
1:10 @A0

Issue

No.	Date	Description	Chkd
A	18/10/2019	Draft DA Issue	KC
B	21/10/2019	DA Issue	KC
C	23/10/2019	DA Issue	KC
D	24/10/2019	DA Issue	KC

Drawing Title
LANDSCAPE DETAILS

Project
TARA AQUATIC CENTRE AND SPORTS PRECINCT

Location
MASONS DR, NORTH PARRAMATTA

Client
TARA ANGLICAN SCHOOL FOR GIRLS

Landscape Architect
NBRSARCHITECTURE. LANDSCAPE
Level 3, 4 Glen Street, Milsons Point. NSW 2061 Australia
T: 61 2 9922 2344 F: 61 2 9922 1308
E: architects@nbrsarchitecture.com W: nbrsarchitecture.com
Any form of replication of this drawing in full or in part without the written permission of NBRS & PARTNERS Pty Ltd constitutes an infringement of the copyright
© 2019
ABN 16 002 247 565

Date 24/10/2019
Scale AS SHOWN

Project No. 16087
Sheet No. LDA400
Revision No. D

PROPOSED AQUATIC CENTRE FOR TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DRIVE, NORTH PARRAMATTA NSW
CIVIL SERVICES

CIVIL LEGEND

- LIMIT OF WORKS
- INDICATIVE DIRECTION OF FALL
- STORMWATER DRAINAGE STRUCTURE WITH NUMBER (1/2, EX/1)
- STORMWATER DRAINAGE LINE (SW)
- PROPOSED GRATED DRAIN (GD)
- ON SITE DETENTION AND RAINWATER TANK
- FLOW DIRECTION
- TERRACE RETAINING WALL



LOCALITY PLAN
NTS

Map data © SIXMAPS

DRAWING LIST

DWG No.	DESCRIPTION	REVISION
C1.01	COVER SHEET DRAWING LIST & LEGEND	C
C1.02	GENERAL NOTES	B
C1.05	TYPICAL PIT DETAILS	B
C1.06	ON SITE DETENTION TANK - SHEET 1	C
C1.07	ON SITE DETENTION TANK - SHEET 2	B
C1.08	ON SITE DETENTION TANK - SHEET 3	B
C1.09	SOIL AND WATER MANAGEMENT DETAILS	B
C2.01	CUT AND FILL PLAN	D
C2.02	FINSHED SURFACE SECTIONS	C
C2.03	FINSHED SURFACE SECTIONS	C
C3.01	STORMWATER MANAGEMENT PLAN	C
C3.15	STORMWATER CATCHMENT PLAN	C
C4.01	BASEMENT DRIVE PLAN AND DETAILS	B
C5.01	SOIL AND WATER MANAGEMENT PLAN	B

DIAL BEFORE YOU DIG

DIAL BEFORE YOU DIG www.1100.com.au

IMPORTANT: THE CONTRACTOR IS TO MAINTAIN A CURRENT SET OF "DIAL BEFORE YOU DIG" DRAWINGS ON SITE AT ALL TIMES.

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

NOT FOR CONSTRUCTION

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
C	LEGEND UPDATE	22.10.19	VG	MG
B	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
A	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG

0 1cm at full size 10cm 20cm

North

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

Drawing Title
COVER SHEET DRAWING LIST & LEGEND

Drawn	Date	Scale	A1	Q.A. Check	Date
VG	Jun-19	N/A		MG	08.07.19
Designed	Project No.			Dwg. No.	Issue
VG	SY190341			C1.01	C

P:\SY190341\Drawings\DWG\Drawings\SY190341_C1.01.dwg
Oct 22, 2019 - 9:08am

GENERAL NOTES

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED.
2. ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION
3. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
4. ALL DIMENSIONS ON DETAILS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. ALL PLANS AND LEVELS ARE EXPRESSED IN METRES.
5. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURAL STABILITY OF THE WORKS AND ENSURE NO PARTS BE OVER STRESSED UNDER CONSTRUCTION ACTIVITIES.
6. WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT CURRENT S.A.A. CODES INCLUDING ALL AMENDMENTS, AND THE LOCAL STATUTORY AUTHORITIES, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
7. THE APPROVAL OF A SUBSTITUTION SHALL BE SOUGHT FROM THE ENGINEER BUT IS NOT AN AUTHORISATION FOR A VARIATION. ANY VARIATIONS INVOLVED MUST BE TAKEN UP WITH THE ARCHITECT OR PROJECT MANAGER BEFORE THE WORK COMMENCES.
8. ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE ENGINEER FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
9. THE BUILDER SHALL GIVE 48 HOURS NOTICE FOR ALL ENGINEERING INSPECTIONS.
10. BUILDING FROM THESE DRAWINGS IS NOT TO COMMENCE UNTIL APPROVED BY THE LOCAL AUTHORITIES
11. THE WORD 'ENGINEER' USED IN THESE NOTES REFER TO AN EMPLOYEE OR NOMINATED REPRESENTATIVE OF **ACOR CONSULTANTS PTY.LTD.**

COMPACTION NOTES

1. STRIP TOPSOIL TO EXPOSE NATURALLY OCCURRING MATERIAL AND STOCKPILE ON SITE FOR SELECTIVE RE-USE OR DISPOSE OFF-SITE AS DIRECTED BY THE SUPERINTENDENT.
2. UNCONTROLLED FILLING IS TO BE REMOVED FROM THE FOOTPRINT OF THE BUILDING AND PAVEMENT AREA (PODIUM LEVEL AREA). THE STRIPPED SURFACE SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER.
3. WHERE FILLING IS REQUIRED TO ACHIEVE DESIGN SUBGRADE, PROOF ROLL EXPOSED NATURAL SURFACE WITH A MINIMUM OF TEN PASSES OF A VIBRATING ROLLER (MINIMUM STATIC WEIGHT OF 12 TONNES) IN THE PRESENCE OF THE SUPERINTENDENT. REFER TO GEOTECHNICAL REPORT (DOUGLAS PARTNERS REF:76711.03 APRIL 2018) FOR DETAILS.
4. ALL SOFT, WET OR UNSUITABLE MATERIAL TO BE REMOVED AS DIRECTED BY THE SUPERINTENDENT AND REPLACED WITH APPROVED MATERIAL SATISFYING THE REQUIREMENTS LISTED BELOW.
5. ALL FILL MATERIAL SHALL BE FROM A SOURCE APPROVED BY THE SUPERINTENDENT AND SHALL COMPLY WITH THE FOLLOWING :
   a. FREE FROM ORGANIC, PERISHABLE AND CONTAMINATED MATTER
   b. MAXIMUM PARTICLE SIZE 75MM
   c. PLASTICITY INDEX BETWEEN 2% AND 15%
6. ALL FILL MATERIAL SHALL BE PLACED IN MAXIMUM 200MM THICK LAYERS AND COMPACTED AT OPTIMUM MOISTURE CONTENT (+ OR - 2%) TO ACHIEVE A DRY DENSITY DETERMINED IN ACCORDANCE WITH AS 1289 E3.1 OF NOT LESS THAN THE FOLLOWING STANDARD MINIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 E1.1 :

LOCATION	STANDARD DRY DENSITY
UNDER BUILDING SLABS	98%
AREAS OF SERVICE TRENCHES	98%
EXTERNAL PAVED AREAS, ROADS AND CARPARKS	98%
LANDSCAPED AREAS	90%

THE UPPER 0.5m THICKNESS FOR THE FOLLOWING AREAS MUST BE COMPACTED AT OPTIMUM MOISTURE CONTENT (+ OR - 2%) AS FOLLOWS

LOCATION	STANDARD DRY DENSITY
UNDER BUILDING SLABS	100%
PAVEMENTS AND CARPARKS	100%

7. THE CONTRACTOR SHALL PROGRAM THE EARTHWORKS OPERATION SO THAT THE WORKING AREAS ARE ADEQUATELY DRAINED DURING THE PERIOD OF CONSTRUCTION. THE SURFACE SHALL BE GRADED AND SEALED OFF TO REMOVE DEPRESSIONS, ROLLER MARKS AND SIMILAR WHICH WOULD ALLOW WATER TO POND AND PENETRATE THE UNDERLYING MATERIAL. ANY DAMAGE RESULTING FROM THE CONTRACTOR NOT OBSERVING THESE REQUIREMENTS SHALL BE RECTIFIED BY THE CONTRACTOR AT THEIR COST.
8. TESTING OF THE SUBGRADE SHALL BE CARRIED OUT BY AN APPROVED NATA REGISTERED LABORATORY AT THE CONTRACTORS EXPENSE.
9. REFER TO THE SITE GEOTECHNICAL REPORT - REFER TO REPORT BY JK GEOTECHNICS REF No. 32475

SITEWORKS NOTES

1. ORIGIN OF LEVELS :- AUSTRALIAN HEIGHT DATUM (A.H.D.)
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK.
3. ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS, THE SPECIFICATIONS AND THE DIRECTIONS OF THE PRINCIPAL'S REPRESENTATIVE.
4. EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE PRINCIPAL'S REPRESENTATIVE. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
5. WHERE NEW WORKS ABUT EXISTING, THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
6. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
7. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER COMMUNICATIONS OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.
8. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH AN APPROVED NON-NATURAL GRANULAR MATERIAL AND COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS.1289.5.1.1.
9. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
10. ON COMPLETION OF PIPE INSTALLATION ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS.
11. PROVIDE 12mm WIDE EXPANDING CORK JOINTS BETWEEN CONCRETE PAVEMENTS AND ALL BUILDINGS , WALLS, FOOTINGS, COLUMNS, KERBS, DISH DRAINS, GRATED DRAINS, BOLLARD FOOTINGS ETC
12. CONTRACTOR TO OBTAIN ALL AUTHORITY APPROVALS.
13. MAKE SMOOTH TRANSITION TO EXISTING SERVICES AND MAKE GOOD.
14. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY DIVERSION DRAINS AND MOUNDS TO ENSURE THAT AT ALL TIMES EXPOSED SURFACES ARE FREE DRAINING AND WHERE NECESSARY EXCAVATE SUMPS AND PROVIDE PUMPING EQUIPMENT TO DRAIN EXPOSED AREAS.
15. THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
16. ON COMPLETION OF WORKS ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL INCLUDING, BUT NOT LIMITED TO, KERBS, FOOTPATHS, CONCRETE AREAS, GRASS AND LANDSCAPED AREAS.

EXISTING SERVICES AND FEATURES

1. THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION, REMOVAL AND DISPOSAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA, AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
2. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
3. PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN WRITTEN APPROVAL OF HIS PROGRAMME FOR THE RELOCATION/CONSTRUCTION OF TEMPORARY SERVICES.
4. EXISTING BUILDINGS, EXTERNAL STRUCTURES, AND TREES SHOWN ON THESE DRAWINGS ARE FEATURES EXISTING PRIOR TO ANY DEMOLITION WORKS.
5. CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
6. INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. CONTRACTOR TO GAIN APPROVAL OF SUPERINTENDENT FOR TIME OF INTERRUPTION.

STORMWATER NOTES

1. ALL STORMWATER DRAINAGE PIPES LARGER THAN 375 DIA. SHALL BE CLASS "2" APPROVED SPIGOT AND SOCKET FRC OR VCP PIPES WITH RUBBER RING JOINTS (U.N.O.). ALL DOWNPIPE DRAINAGE LINES SHALL BE SEWER GRADE uPVC WITH SOLVENT WELD JOINTS. (U.N.O.)
2. EQUIVALENT STRENGTH REINFORCED CONCRETE PIPES MAY BE USED.
3. ALL PIPE JUNCTIONS UP TO AND INCLUDING 450 DIA. AND TAPERS SHALL BE VIA PURPOSE MADE FITTINGS.
4. MINIMUM GRADE TO STORMWATER LINES TO BE 1%. (U.N.O.)
5. CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.
6. ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH.
7. PRECAST PITS SHALL NOT BE USED UNLESS WRITTEN APPLICATION IS OBTAINED FROM THE SUPERINTENDENT.
8. WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL BE BEDDED ON A MIN. 50MM CONCRETE BED (OR 75MM THICK BED OF 12MM BLUE METAL) UNDER THE BARREL OF THE PIPE. THE PIPE COLLAR AT NO POINT SHALL BEAR ON THE ROCK. IN MATERIAL OTHER THAN ROCK, PIPES SHALL BE LAID ON A 75MM THICK SAND BED. IN ALL CASES BACKFILL THE TRENCH WITH SAND TO 200MM ABOVE THE PIPE. WHERE THE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH WITH SAND OR APPROVED GRANULAR BACKFILL COMPACTED IN 150MM LAYERS TO 98% STANDARD MAX. DRY DENSITY.
9. BEDDING SHALL BE TYPE H1 (U.N.O.), IN ACCORDANCE WITH CURRENT RELEVANT AUSTRALIAN STANDARDS.
10. WHERE STORMWATER LINES PASS UNDER FLOOR SLABS SEWER GRADE RUBBER RING JOINTS ARE TO BE USED.
11. WHERE SUBSOIL DRAINAGE LINES PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS UNSLOTTED UPVC SEWER GRADE PIPE SHALL BE USED.
12. PROVIDE 3.0M LENGTH OF 100 DIA. SUBSOIL DRAINAGE PIPE WRAPPED IN FABRIC SOCK, AT UPSTREAM END OF EACH PIT.

RAINWATER REUSE SYSTEM

MARKING & LABELLING

1. THE WATER SUPPLY SYSTEM FROM A RAINWATER TANK SHALL BE CLEARLY MARKED `RAINWATER' AT INTERVALS NOT EXCEEDING 1m WITH CONTRASTING COLOURED WORDING. WATER OUTLETS SHALL BE IDENTIFIED AS `RAINWATER' WITH A LABEL OR A RAINWATER TAP IDENTIFIED BY A GREEN COLOURED INDICATOR WITH THE LETTERS `RW'.

NON-DRINKING WATER SERVIES - HOSE TAP OUTLETS

2. HOSE TAP OUTLETS SHALL: -
   a. BE CLEARLY MARKED `WARNING: NOT FOR DRINKING' IN ACCORDANCE WITH THE REQUIREMENTS OF AS 1319.
   b. BE OF A TYPE THAT HAS A REMOVABLE HANDLE.

PROXIMITY TO OTHER SERVICES

3. THE FOLLOWING APPLIES:
   a. ABOVEGROUND INSTALLATION OF NON-DRINKING WATER SERVICES SHALL NOT BE INSTALLED WITHIN 100mm OF ANY PARALLEL DRINKING WATER SERVICE, EXCEPT WHEN INSTALLED IN PIPE DUCT OR STRUCTURALLY SEPARATED
   b. BELOW-GROUND INSTALLATIONS OF NON-DRINKING WATER SERVICES SHALL NOT BE INSTALLED WITHIN 300mm OF ANY PARALLEL DRINKING WATER SUPPLY.

MARKING & LABELLING OF NON-DRINKING WATER PIPES & OUTLETS

GENERAL

   a. ALL PIPES, PIPE SLEEVES, IDENTIFICATION TAPES, & OUTLETS SHALL BE COLOURED LILAC (P23) IN ACCORDANCE WITH AS 2700
   b. ALL PIPES, PIPE SLEEVES & IDENTIFICATION TAPES, IN ACCORDANCE WITH AS 1345, SHALL BE MARKED WITH THE FOLLOWING, WARNING: RECYCLED OR RECLAIMED - WATER - DO NOT DRINK

BELOW GROUND PIPES

   a. ALL BELOW GROUND PIPES SHALL HAVE AN IDENTIFICATION TAPE IN ACCORDANCE WITH CLAUSE GENERAL INSTALLED ON TOP OF THE WATER PIPELINE, RUNNING LONGITUDINALLY, & FASTENED TO THE PIPE AT NOT MORE THAN 3m INTERVALS.

OUTLET POINTS

   a. ALL OUTLET POINTS SHALL BE CLEARLY & PERMANENTLY MARKED `WARNING: NOT FOR DRINKING' WITH SAFETY SIGNS TO COMPLY WITH AS 1319 & AS 1345.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

E1. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS, AND ANY OTHER PLANS OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED AND RELATING TO DEVELOPMENT AT THE SUBJECT SITE.

E2. THE SITE SUPERINTENDENT WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS INSTRUCTED IN THIS SPECIFICATION.

E3. ALL BUILDERS AND SUB-CONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS.

CONSTRUCTION SEQUENCE

E4. THE SOIL EROSION POTENTIAL ON THIS SITE SHALL BE MINIMISED. HENCE WORKS SHALL BE UNDERTAKEN IN THE FOLLOWING SEQUENCE :

   a. INSTALL SEDIMENT FENCES, TEMPORARY CONSTRUCTION EXIT AND SANDBAG KERB INLET SEDIMENT TRAP.
   b. UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

EROSION CONTROL

E5. DURING WINDY CONDITIONS, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.

E6. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

FENCING

E7. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.

E8. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.

E9. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.

E10. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

E11. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.

E12. RECEPTORS FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER ARE TO BE EMPTIED AS NECESSARY. DISPOSAL OF WASTE SHALL BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT.

SITE INSPECTION & MAINTENANCE

E13. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AFTER RAINFALL EVENTS TO ENSURE THAT THEY OPERATE EFFECTIVELY. REPAIR AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED.

NOT FOR CONSTRUCTION

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

North

Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
A	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG

0 1cm at full size 10cm 20cm

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

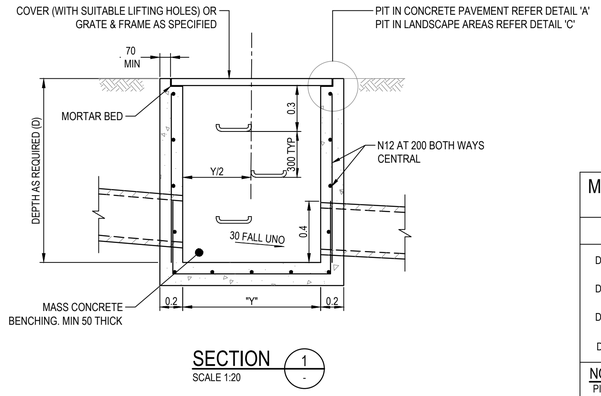
ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

Drawing Title
GENERAL NOTES

Drawn	Date	Scale	A1	Q.A. Check	Date
VG	Jun-19	N/A		MG	08.07.19
Designed	Project No.			Dwg. No.	Issue
VG	SY190341			C1.02	B

P:\SY\SY190341\Drawings\Civil\Dwgs\SY190341_C1.02.dwg
Oct 15, 2019 - 7:14pm

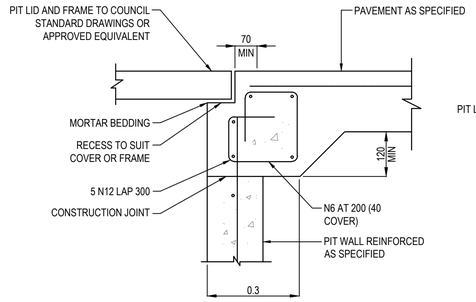


SECTION 1

SCALE 1:20

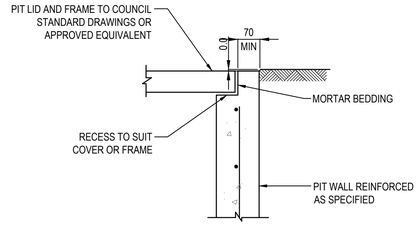
MINIMUM INTERNAL PIT DIMENSIONS		
"D"	"X"	"Y"
D ⩽ 600	450	450*
D ⩽ 900	600	600*
D ⩽ 1200	600	900
D > 1200	900	900

NOTE
PITS DENOTED * SHALL BE USED ONLY WHERE SPECIFIED IN DRAINAGE SCHEDULE OR ON PLAN.



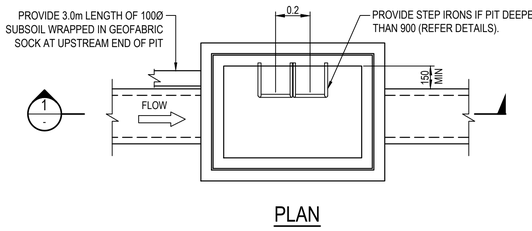
PIT EDGE DETAIL "A"
IN CONCRETE PAVEMENT

SCALE 1:10



PIT EDGE DETAIL "C"
IN LANDSCAPE AREAS

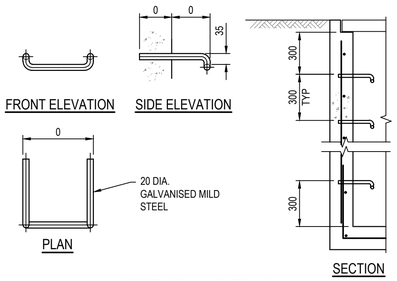
SCALE 1:10



PLAN

SURFACE INLET/JUNCTION PIT

SCALE 1:20



STEP IRON DETAIL

SCALE 1:10

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

NOT FOR CONSTRUCTION

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

North

Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
A	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG

0 1cm at full size 10cm 20cm

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

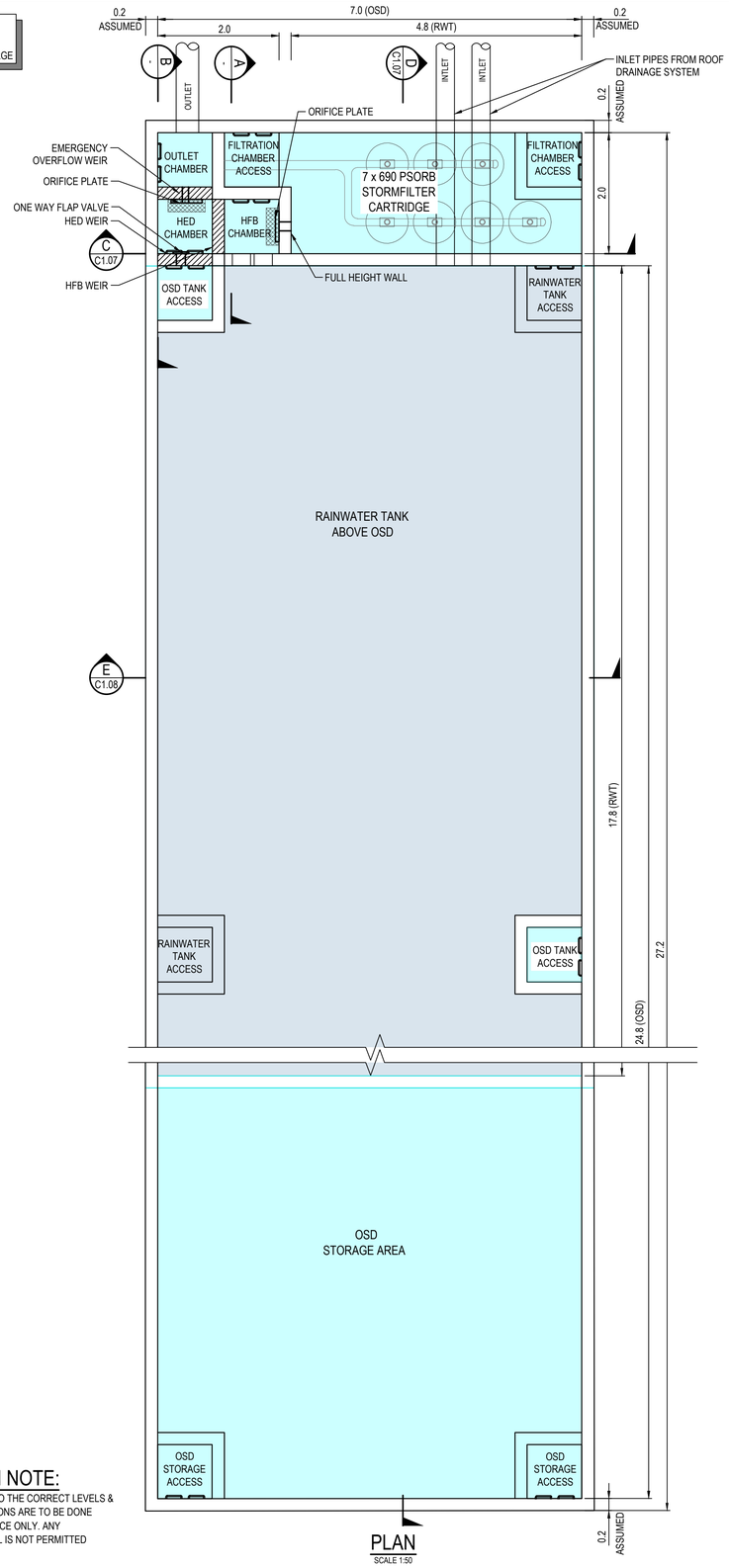
Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

Drawing Title
TYPICAL PIT DETAILS

Drawn	Date	Scale A1	Q.A. Check	Date
VG	Jun-19	AS SHOWN	MG	08.07.19
Designed	Project No.		Dwg. No.	Issue
VG	SY190341		C1.05	B

P:\SY\SY190341\Dwgs\DO\Dwngs\SY190341_C1.05.dwg
Oct 18, 2019 - 7:16pm

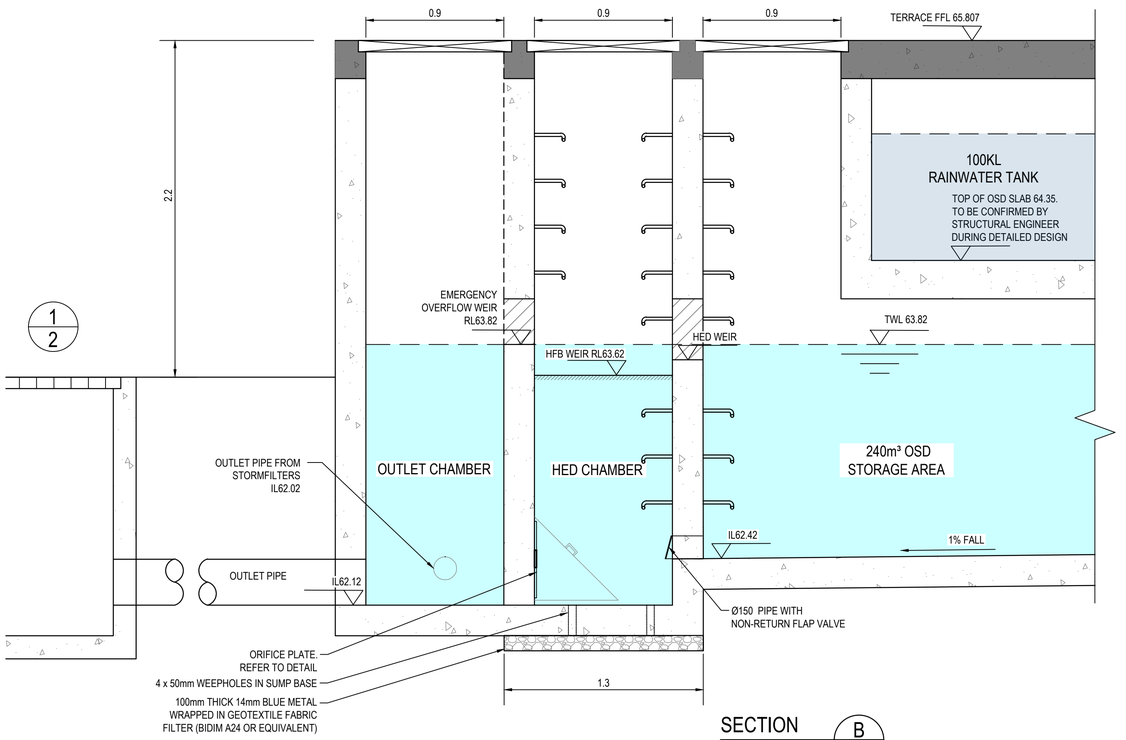
NOTES
HFB DENOTES - HIGH FLOW BYPASS
HED DENOTES - HIGH EARLY DISCHARGE



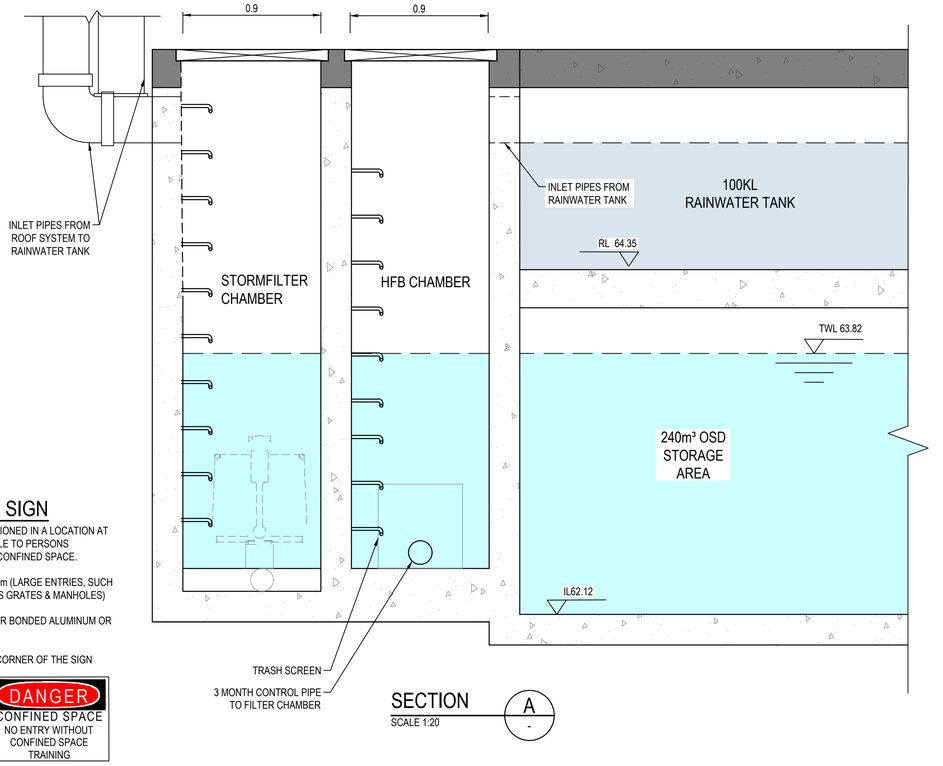
PLAN
SCALE 1:50

ON-SITE DETENTION NOTE:

THE OSD BASIN / TANK IS TO BE BUILT TO THE CORRECT LEVELS & SIZE AS PER THIS DESIGN. ANY VARIATIONS ARE TO BE DONE UNDER CONSULTATION FROM OUR OFFICE ONLY. ANY AMENDMENTS WITHOUT OUR APPROVAL IS NOT PERMITTED



SECTION B
SCALE 1:20



SECTION A
SCALE 1:20

THIS IS AN ONSITE DETENTION SYSTEM. IT IS AN OFFENCE TO REDUCE THE VOLUME OF THE TANK OR BASIN OR INTERFERE WITH ANY PART OF STRUCTURE THAT CONTROLS THE OUTFLOW.

OSD SIGN

OSD SIGN IN ACCORDANCE WITH COUNCIL REQUIREMENTS AND IS TO BE PLACED AS PER COUNCIL STANDARDS

CONFINED SPACE DANGER SIGN

A) A CONFINED SPACE DANGER SIGN SHALL BE POSITIONED IN A LOCATION AT ALL ACCESS POINTS, SUCH THAT IT IS CLEARLY VISIBLE TO PERSONS PROPOSING TO ENTER THE BELOW GROUND TANK/S CONFINED SPACE.

B) MINIMUM DIMENSIONS OF THE SIGN - 300mm x 450mm (LARGE ENTRIES, SUCH AS DOORS) -250mm x 180mm (SMALL ENTRIES SUCH AS GRATES & MANHOLES)

C) THE SIGN SHALL BE MANUFACTURED FROM COLOUR BONDED ALUMINUM OR POLYPROPYLENE

D) SIGN SHALL BE AFFIXED USING SCREWS AT EACH CORNER OF THE SIGN

COLOURS:
"DANGER" & BACKGROUND = WHITE
ELLIPTICAL AREA = RED
RECTANGLE CONTAINING ELLIPSE = BLACK
BORDER AND OTHER LETTERING = BLACK

DANGER
CONFINED SPACE
NO ENTRY WITHOUT CONFINED SPACE TRAINING

NOT FOR CONSTRUCTION

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
C	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
B	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG
A	ISSUE FOR INFORMATION	18.06.19	VG	MG

North

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

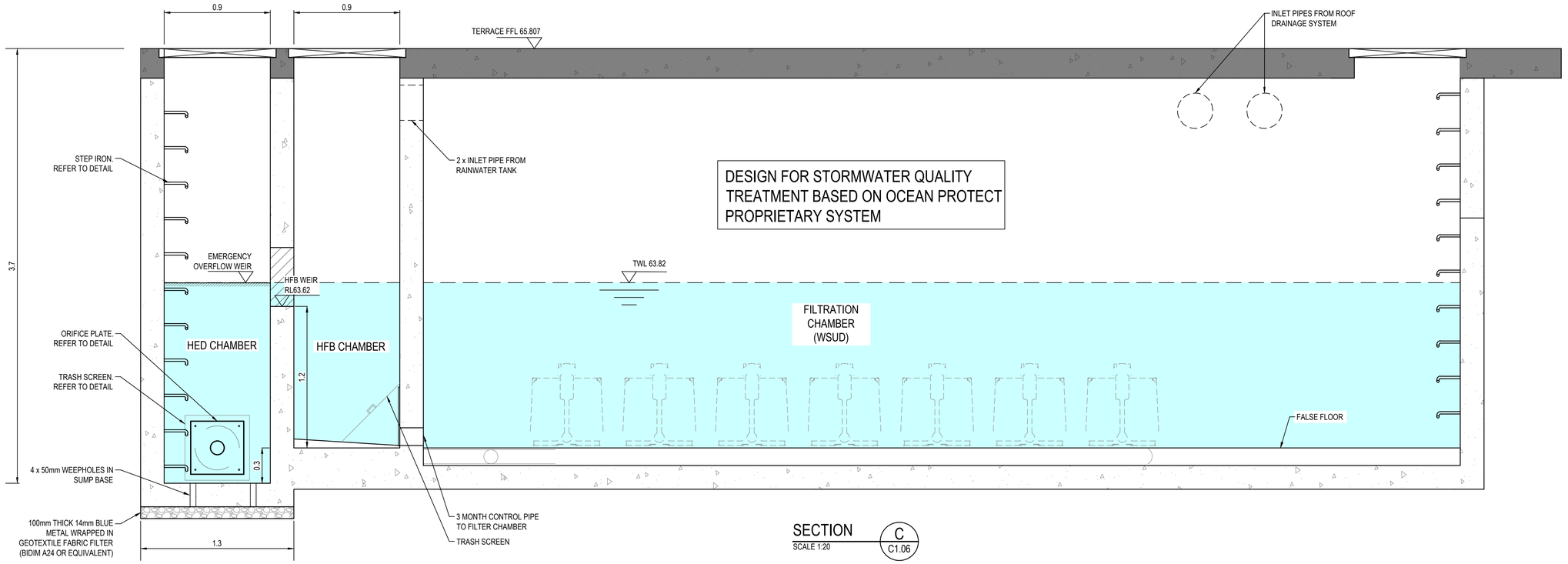
ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

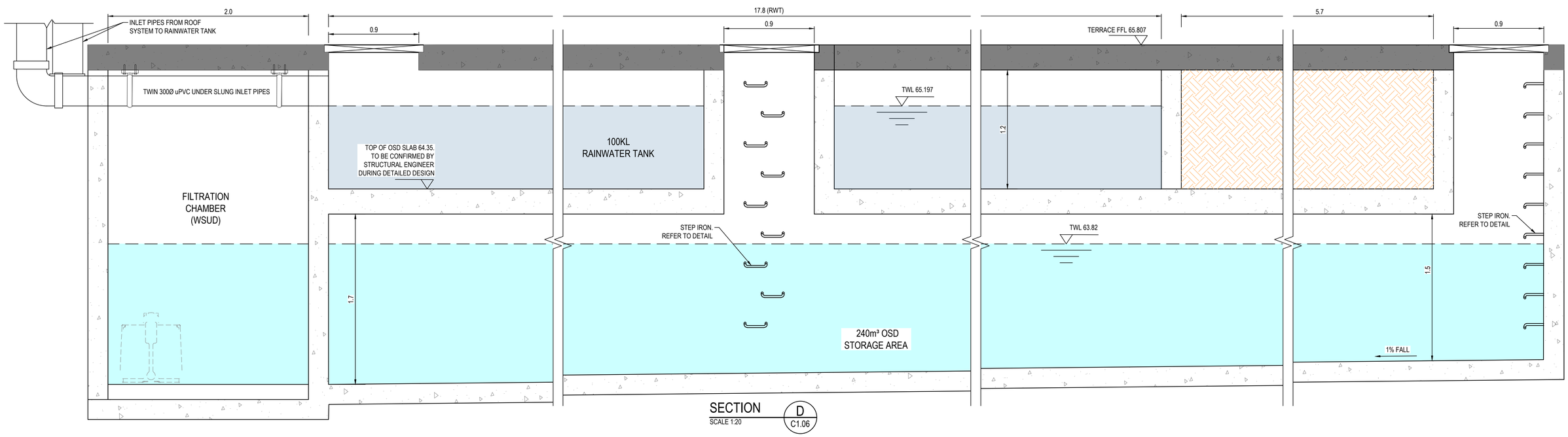
Drawing Title
ON SITE DETENTION TANK DETAILS
SHEET 1

Drawn	Date	Scale A1	Q.A. Check	Date
VG	Jun-19	AS SHOWN	MG	08.07.19
Designed	Project No.		Dwg. No.	Issue
VG	SY190341		C1.06	C

P:\SY\SY190341\Drawings\DA\Dwgs\SY190341_C1.06.dwg
Oct 18, 2019 - 7:34pm



SECTION C
SCALE 1:20
C1.06



SECTION D
SCALE 1:20
C1.06

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

NOT FOR CONSTRUCTION

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	DRAFT DA APPROVAL ISSUE	08.07.19		

North

1cm at full size 10cm 20cm

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

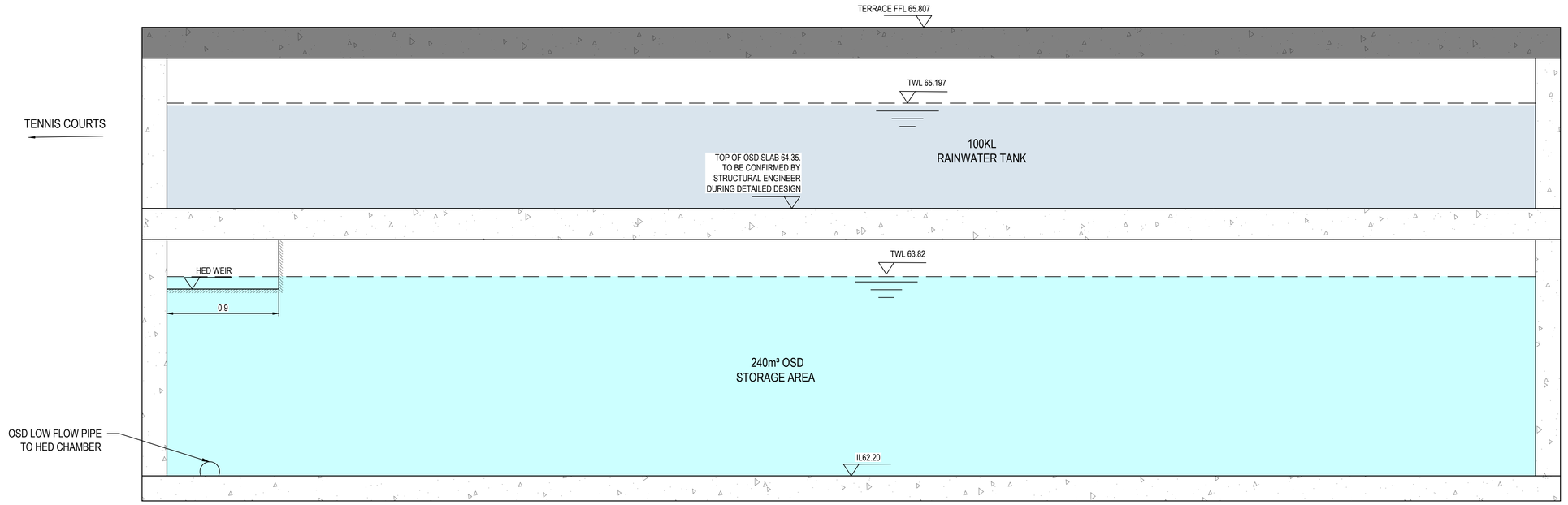
ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

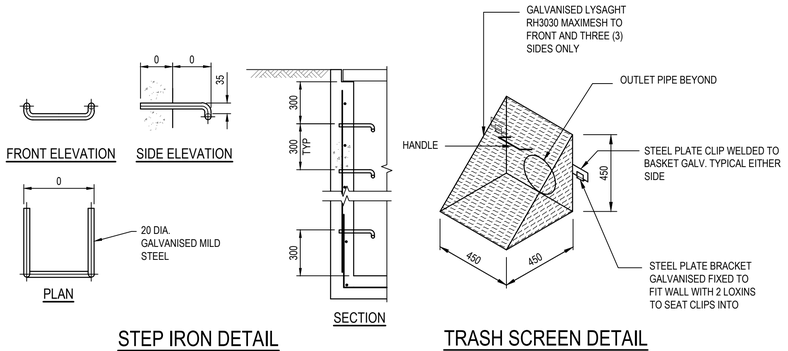
Drawing Title
ON SITE DETENTION TANK DETAILS SHEET 2

Drawn	Date	Scale	A1	Q.A. Check	Date
VG	Jul-19	AS SHOWN		MG	08.07.19
Designed	Project No.			Dwg. No.	Issue
VG	SY190341			C1.07	B

P:\SY190341\Drawings\Civil\Drawings\SY190341_C1.07.dwg
Oct 16, 2019 - 7:16pm

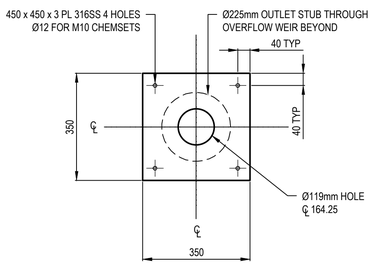


SECTION E
SCALE 1:20
C1.06



STEP IRON DETAIL
SCALE 1:10

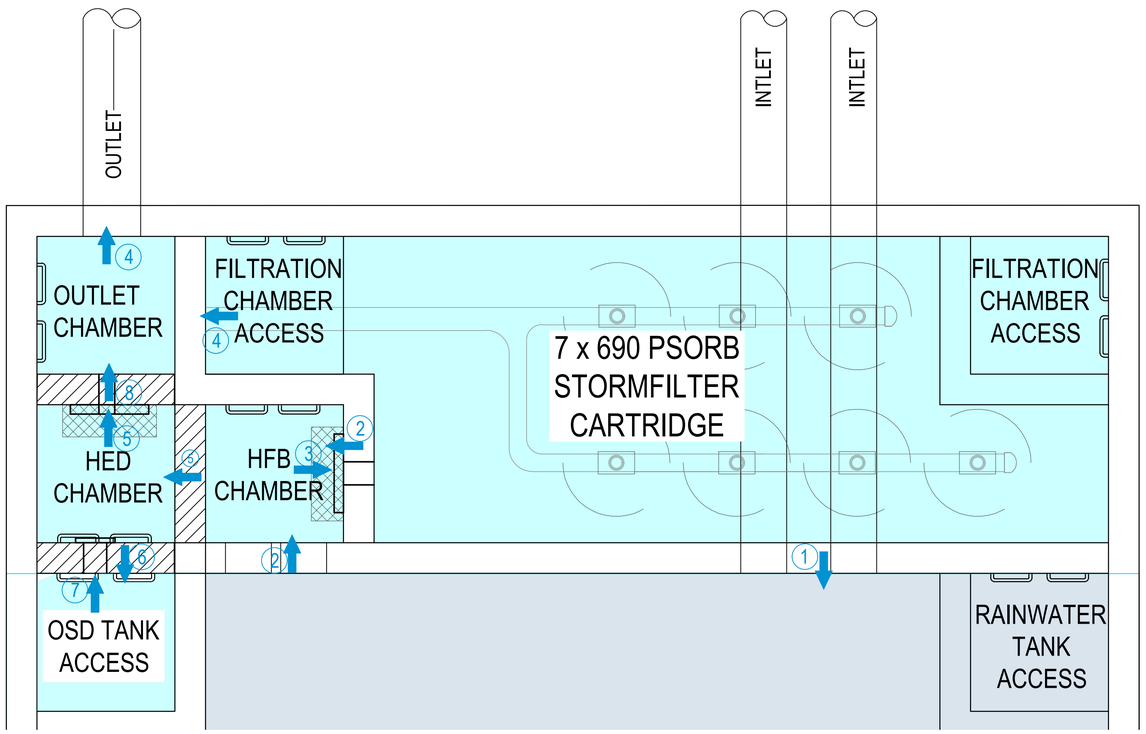
TRASH SCREEN DETAIL
NTS



ORIFICE PLATE
SCALE 1:10

ON SITE DETENTION TANK FLOW DESIGN

1. RAINWATER COLLECTED BY THE ROOF DRAINAGE SYSTEM IS PIPED DIRECTLY TO THE RAINWATER TANK
2. WHEN FULL, FLOWS FROM THE RAINWATER TANK WILL OVER FLOW VIA PIPE INTO THE (HFB) HIGH FLOW BYPASS CHAMBER (HFB)
3. WATER WILL ENTER THE FILTRATION CHAMBER THROUGH A PIPE SIZED FOR 3 MONTHS FLOWS AT THE BASE OF THE HFB
4. THE 3 MONTH FLOWS WILL BE ABSORBED BY THE FILTER CARTRIDGES AND THEN DISCHARGED INTO THE OUTLET CHAMBER VIA A PIPE AT THE BOTTOM OF THE FILTRATION CHAMBER
5. FLOWS GREATER THAN THE 3 MONTH STORM EVENT WILL CAUSE THE HFB CHAMBER TO FILL UP AND OVERTOP THE HFB WEIR INTO THE HED CHAMBER. THE ORIFICE PLATE IN THE HED CHAMBER WILL DISCHARGE THE CONTROLLED FLOWS TO THE OUTLET CHAMBER
6. WHEN THE WATER LEVEL WITHIN THE (HED) HIGH EARLY DISCHARGE CHAMBER RISES ABOVE THE HED WEIR LEVEL, IT WILL OVERTOP INTO THE DETENTION STORAGE TANK
7. WATER FROM THE DETENTION TANK WILL FLOW THROUGH THE NON RETURN PIPE AND BACK INTO THE HED CHAMBER ONCE THE WATER LEVELS EQUALISE
8. AN EMERGENCY WEIR WILL OUTLET FLOWS DIRECTLY TO THE OUTLET CHAMBER IF FLOWS EXCEED THE CAPACITY OF THE OSD TANK OR ORIFICE BECOME BLOCKED



PLAN
NTS

NOT FOR CONSTRUCTION

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DEVELOPMENT APPLICTAION	18.10.19	VG	MG
A	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG

North

Client
TARA ANGLICAN
SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS
POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

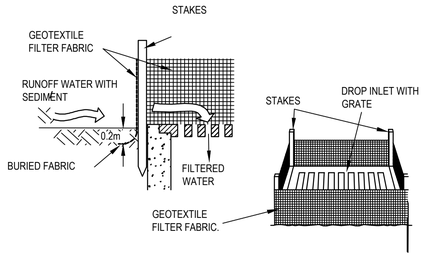
ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

Drawing Title
ON SITE DETENTION TANK
DETAILS
SHEET 3

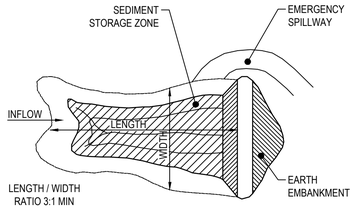
Drawn	Date	Scale A1	Q.A. Check	Date
VG	Jun-19	AS SHOWN	MG	08.07.19
Designed	Project No.		Dwg. No.	Issue
VG	SY190341		C1.08	B

P:\SY\SY190341\BIM\Drawings\DA\Sheets\SY190341_C1.08.dwg
Oct 18, 2019 - 7:19pm



GEOTEXTILE FILTER FABRIC DROP INLET SEDIMENT TRAP

NTS

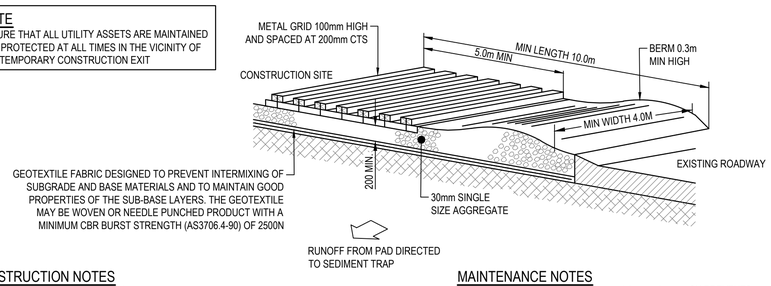


SEDIMENT BASIN (TYPICAL) PLAN - TYPE D AND F SOILS

NOT TO SCALE

NOTE

ENSURE THAT ALL UTILITY ASSETS ARE MAINTAINED AND PROTECTED AT ALL TIMES IN THE VICINITY OF THE TEMPORARY CONSTRUCTION EXIT



CONSTRUCTION NOTES

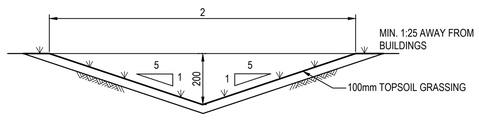
1. STRIP TOPSOIL AND LEVEL SITE.
2. COMPACT SUBGRADE.
3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
4. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING 30mm SINGLE SIZE AGGREGATE.
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP WHERE THE SEDIMENT IS COLLECTED AND REMOVED.

MAINTENANCE NOTES

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH PREVENTS TRACKING OR FLOWING OF SEDIMENT OFF THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL GRAVEL AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED OFF THE CONSTRUCTION SITE MUST BE REMOVED IMMEDIATELY.

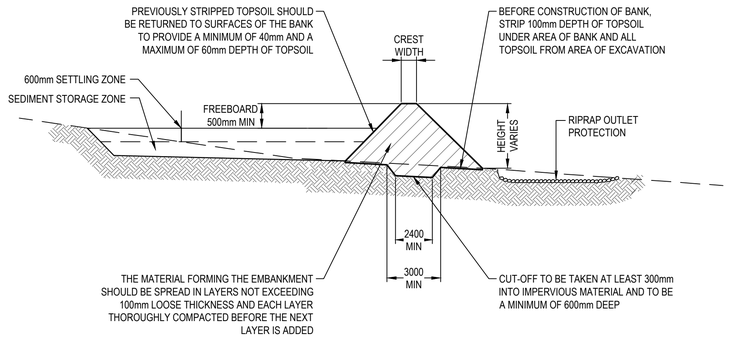
TEMPORARY STABILISED CONSTRUCTION EXIT

NTS



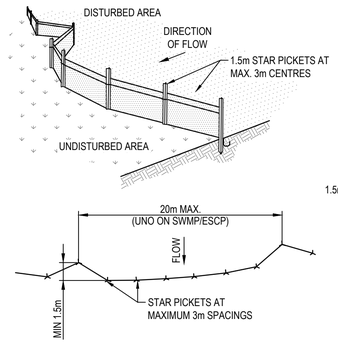
TYPICAL SECTION THROUGH STORMWATER DIVERSION CHANNEL

N.T.S.



SEDIMENT BASIN (TYPICAL) CROSS SECTION - TYPE D AND F SOILS

NOT TO SCALE



PLAN

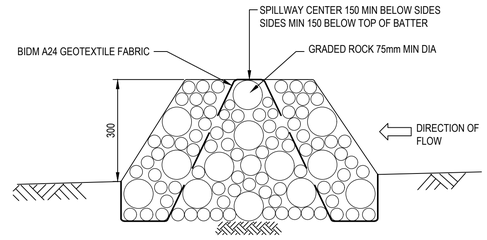
SECTION DETAIL

CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
2. DRIVE 1.5m LONG STAR PICKETS INTO GROUND, 3 METRES APART.
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC.
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER.
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.

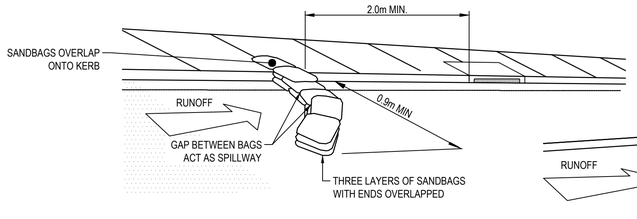
SEDIMENT CONTROL FENCE

NTS

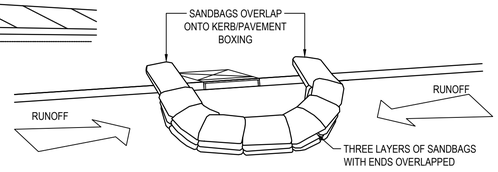


ROCK CHECK DAM

NTS



SANDBAG SEDIMENT TRAP - AT ON GRADE PIT



SANDBAG SEDIMENT TRAP - AT KERB SAG PIT

SANDBAG SEDIMENT TRAP

NTS

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

NOT FOR CONSTRUCTION

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DEVELOPMENT APPLICTATION	18.10.19	VG	MG
A	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG

North

1cm at full size 10cm 20cm

Client: TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect: NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project: TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

Drawing Title: SOIL AND WATER MANAGEMENT DETAILS
DETAILS

Drawn	Date	Scale A1	Q.A. Check	Date
VG	Jul-19	AS SHOWN	MG	08.07.19
Designed	Project No.		Dwg. No.	Issue
VG	SY190341		C1.09	B

P:\SY\SY190341\Drawings\Civil\Dwgs\SY190341_C1.09.dwg
Oct 18, 2019 - 7:56pm



CUT / FILL QUANTITIES

TOTAL AREA (4983m²)	
TOTAL CUT	-2165 m³
TOTAL FILL	1855 m³
TOTAL BALANCE	-309 m³ (CUT)

LEGEND Lower_value		Upper_value	Colour
-11	to	-5.0	m
-5.0	to	-3.0	m
-3.0	to	-1.5	m
-1.5	to	-1.0	m
-1.0	to	-0.6	m
-0.6	to	-0.4	m
-0.4	to	-0.2	m
-0.2	to	0.0	m
0.0	to	0.2	m
0.2	to	0.4	m
0.4	to	0.6	m
0.6	to	1.0	m
1.0	to	1.5	m
1.5	to	3.0	m
3.0	to	5.0	m

NOTES

1. CUT AND FILL LEVELS (AND VOLUME CALCULATIONS) ARE TO FINISHED SURFACE LEVELS.
2. NOTE NO BULKING OR COMPACTION FACTORS HAVE BEEN APPLIED TO THE EARTHWORKS VOLUMES.
3. EXISTING SWIMMING POOL VOLUME HAS NOT BEEN ACCOUNTED FOR IN THE VOLUMES MEASUREMENT.
4. BULK EARTHWORK BATTERS EXTERNAL TO THE BUILDING PAD ARE CALCULATED BASED ON BATTERS TO MATCH EXISTING BOUNDARY LEVELS. FINAL BULK EARTHWORK CONTOURS AND QUANTITIES EXTERNAL TO THE BUILDING PAD TO BE FINALISED DURING DESIGN DEVELOPEMENT.

CIVIL LEGEND

- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- LIMIT OF WORKS
- PROPOSED STORMWATER PIT

NOT FOR CONSTRUCTION

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
D	MINOR AMENDMENTS	22.10.19	VG	MG
C	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
B	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG
A	ISSUE FOR INFORMATION	18.06.19	VG	MG

1cm at full size (0 / 10cm / 20cm)

North

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

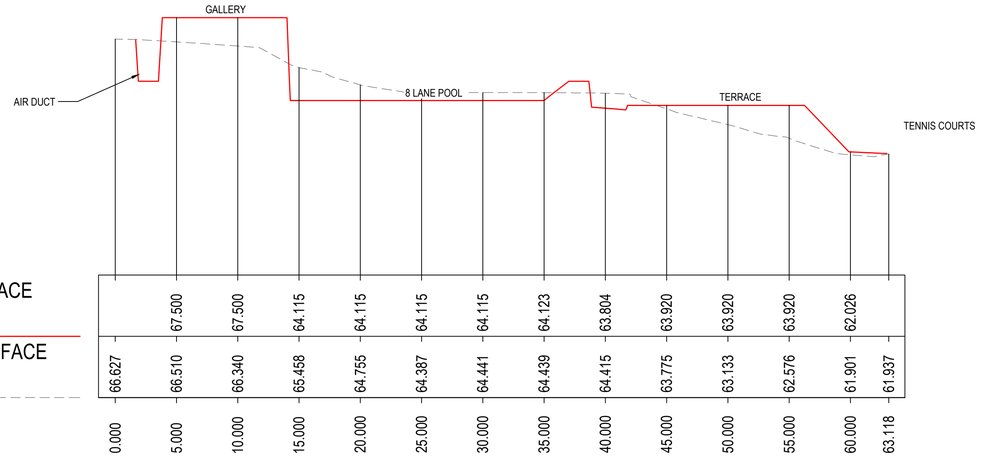
ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

Drawing Title
CUT AND FILL PLAN

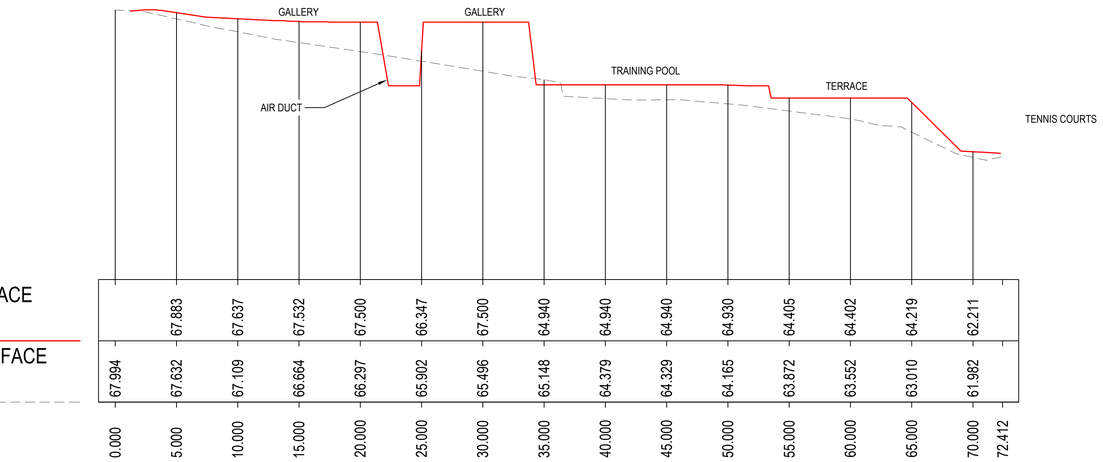
Drawn	Date	Scale	A1	Q.A. Check	Date
VG	Jun-19	1:250		MG	08.07.19
Designed	Project No.			Dwg. No.	Issue
VG	SY190341			C2.01	D

P:\SY\190341\04.0\Design\DWG\190341_C2.01.dwg
22.07.2019 - 9:04am



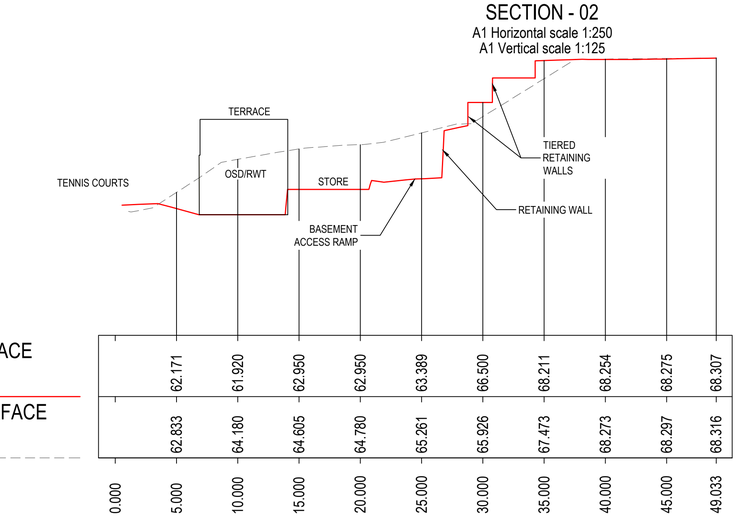
SECTION - 03

A1 Horizontal scale 1:250
A1 Vertical scale 1:125



SECTION - 02

A1 Horizontal scale 1:250
A1 Vertical scale 1:125



SECTION - 01

A1 Horizontal scale 1:250
A1 Vertical scale 1:125

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

NOT FOR CONSTRUCTION

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
C	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
B	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG
A	ISSUE FOR INFORMATION	18.06.19	VG	MG

1cm at full size

North

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

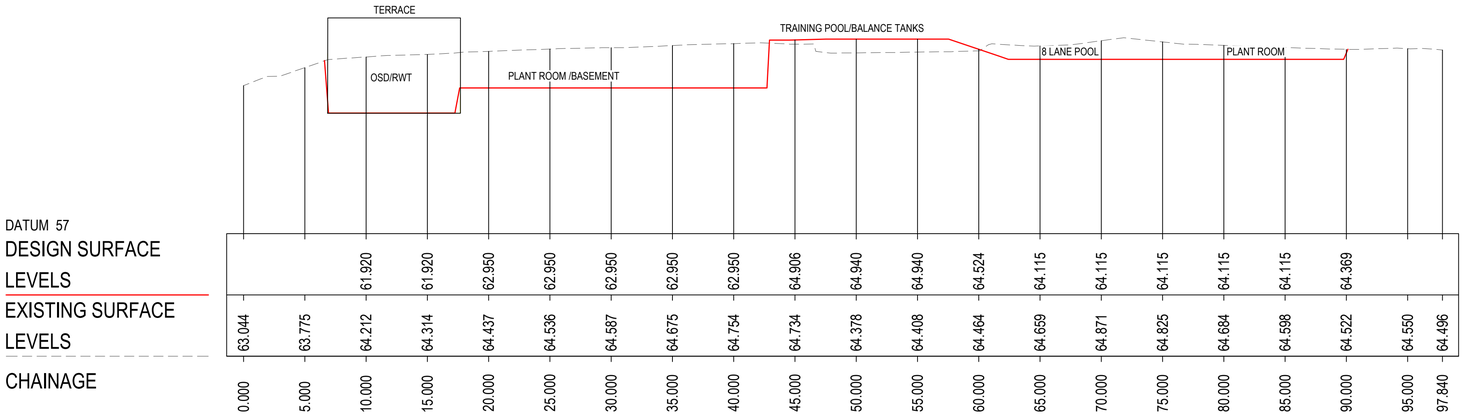
ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

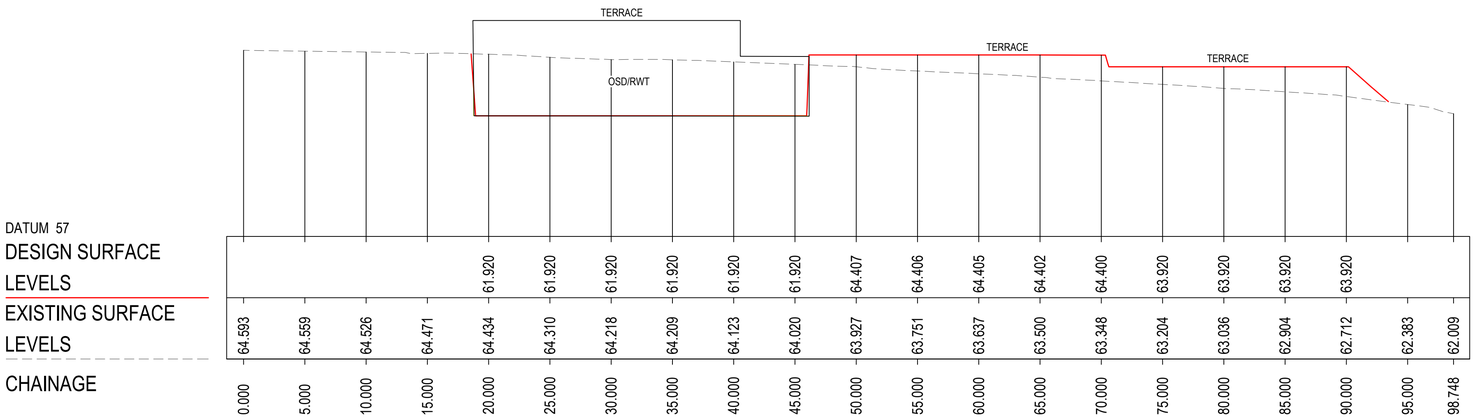
Drawing Title
FINSHED SURFACE SECTIONS
SHEET 1

Drawn	Date	Scale A1	Q.A. Check	Date
VG	Jun-19	AS SHOWN	MG	08.07.19
Designed	Project No.		Dwg. No.	Issue
VG	SY190341		C2.02	C

P:\SY\190341\Drawings\DWGs\pdf\190341_C2.02.dwg
Oct 18, 2019 - 7:19pm



SECTION - 05
A1 Horizontal scale 1:250
A1 Vertical scale 1:125



SECTION - 04
A1 Horizontal scale 1:250
A1 Vertical scale 1:125

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

NOT FOR CONSTRUCTION

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
C	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
B	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG
A	ISSUE FOR INFORMATION	18.06.19	VG	MG

0 1cm at full size 10cm 20cm

North

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

Drawing Title
FINSHED SURFACE SECTIONS
SHEET 2

Drawn	Date	Scale A1	Q.A. Check	Date
VG	Jun-19	AS SHOWN	MG	08.07.19
Designed	Project No.		Dwg. No.	Issue
VG	SY190341		C2.03	C

P:\SY\SY190341\Drawings\SY190341 C2.03.dwg
Oct 18, 2019 - 7:19pm

MAKE SMOOTH CONNECTION TO EXISTING ROAD LEVELS

EXISTING PIT TO BE RECONSTRUCTED

EXISTING PIPE LOCATION AND DEPTH TO BE CONFIRMED

CUT EXISTING PIPE AND CONSTRUCT NEW GSIP

EXISTING PIPE MAY NEED TO BE RELAYED TO MEET PROPOSED OSD LEVELS

40m 375Ø RCP @ 1%

54m 375Ø RCP @ 1%

18m 375Ø

20m 375Ø

EXISTING PIPE

GRATED SURFACE INLET PIT TO FUNCTION AS AN EMERGENCY SURCHARGE PIT

5m 375Ø RCP @ 1%

CONNECTION FROM ROOF WATER DRAINAGE

INDICATIVE PUMP OUT LINE TO FILTRATION CHAMBER

BOX GRATE TO CAPTURE FLOWS FROM VEHICLE RAMP

56m 300Ø PVC @ 1%

SUMP PIT TO BE PUMPED INTO FILTRATION CHAMBER OF OSD TANK

WATER QUALITY AND OSD TANK SEE SHEET C1.06 FOR DETAILS

PROPOSED PIPE AND PITS TO REDIRECT EXISTING FLOW AROUND THE SITE AND CONNECTED INTO EXISTING PIPE NETWORK

14m 300Ø PVC @ 1%

CUT EXISTING PIPE AND CONSTRUCT NEW GSIP

NEW VEHICLE RAMP 1:8

NEW VEHICLE RAMP 1:16

NEW VEHICLE RAMP 1:10

REVERSE BAY

NEW STAIRS

LANDING

NEW TIERED SEATING

EXISTING MAINTENANCE DEPT

EXISTING GYMNASIUM

EXISTING TENNIS COURTS

EXISTING FENCE

TERRACE 2 OVER

TERRACE 3 OVER

SUPPLY AIR DUCT

LINE OF BUILDING OVER

8 LANE WATERPOLO POOL

TRAINING POOL

PLANT ROOM

FILL

EXISTING JUNIOR SCHOOL LIBRARY

EXISTING PATH

EXISTING TREE

EXISTING PIT

EX/1

EX/2

EX/3

1/1

1/2

1/3

2/1

2/2

2/3

3/1

3/2

3/3

3/4

CIVIL LEGEND

- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIT

NOT FOR CONSTRUCTION

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
C	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
B	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG
A	ISSUE FOR INFORMATION	18.06.19	VG	MG

0 1cm at full size 10cm 20cm

North

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

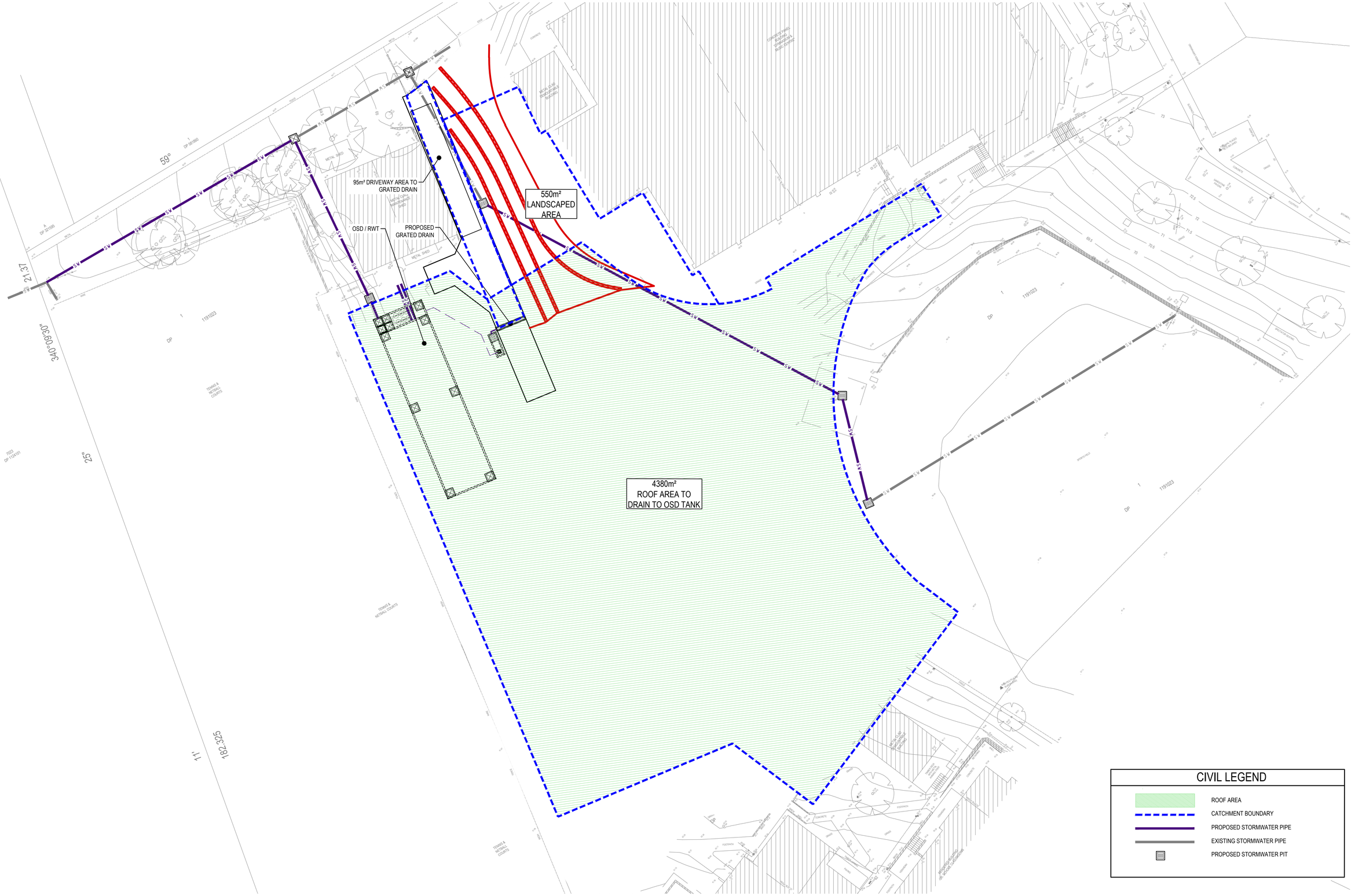
ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

Drawing Title
STORMWATER MANAGEMENT PLAN

Drawn	Date	Scale A1	Q.A. Check	Date
VG	Jun-19	1:250	MG	08.07.19
Designed	Project No.		Dwg. No.	Issue
VG	SY190341		C3.01	C

P:\SY\SY190341\Drawings\DA\Drawings\SY190341_C3.01.dwg
Oct 18, 2019 - 7:15pm



CIVIL LEGEND

- ROOF AREA
- CATCHMENT BOUNDARY
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIT

NOT FOR CONSTRUCTION

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
C	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
B	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG
A	ISSUE FOR INFORMATION	18.06.19	VG	MG

1cm at full size (0 – 10cm – 20cm)

North

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

Drawing Title
STORMWATER CATCHMENT PLAN

Drawn	Date	Scale A1	Q.A. Check	Date
VG	Jun-19	1:250	MG	08.07.19
Designed	Project No.		Dwg. No.	Issue
VG	SY190341		C3.15	C

P:\SY\SY190341\Drawings\DA\Drawings\SY190341_C3.15.dwg
Oct 18, 2019 - 7:15pm



©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

NOT FOR CONSTRUCTION

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
A	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG

1 0 1cm at full size 10cm 20cm

North

Client
TARA ANGLICAN
SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS
POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

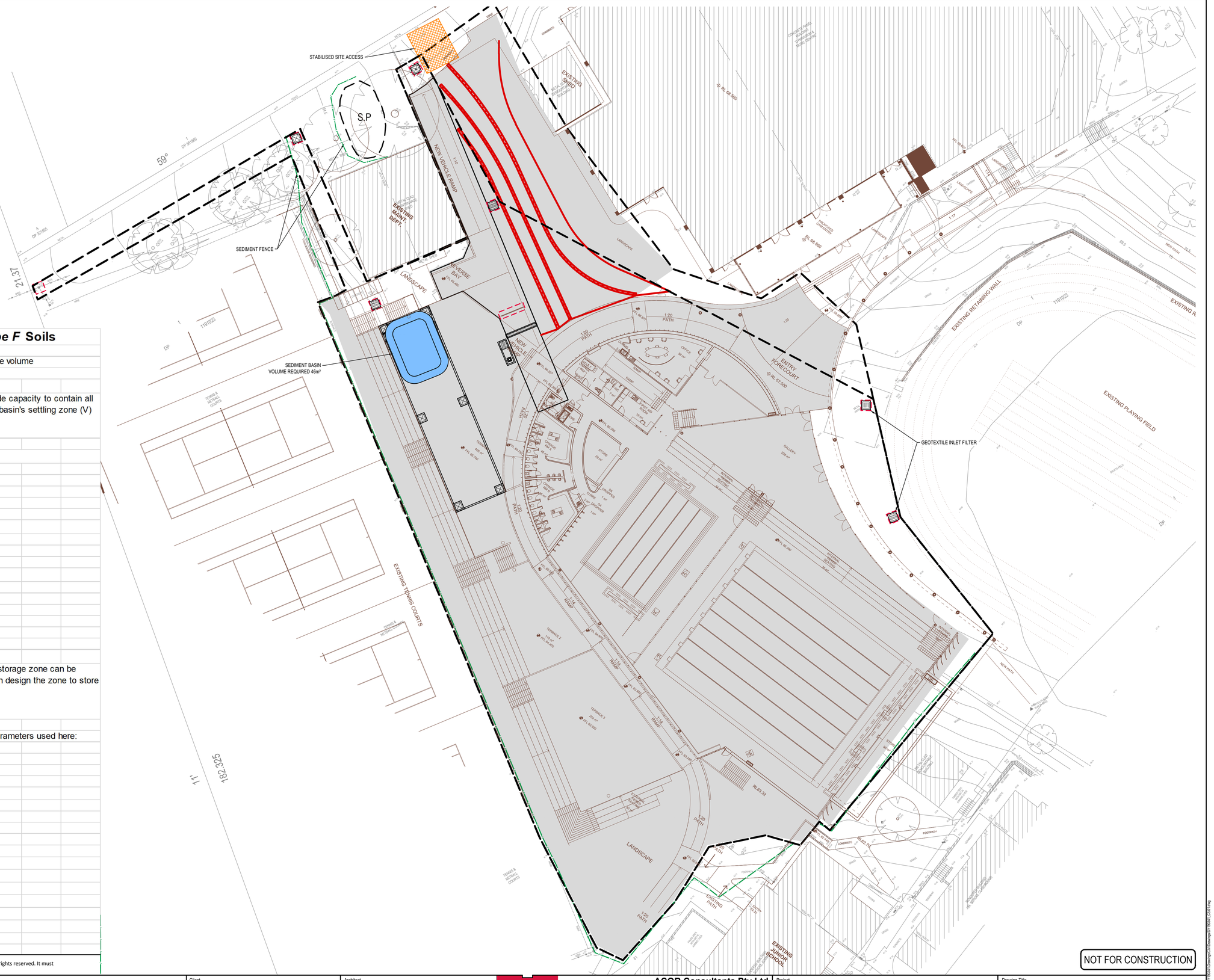
Drawing Title
BASEMENT DRIVE PLAN AND DETAILS

Drawn	Date	Scale	A1	Q.A. Check	Date
VG	Jun-19	1:100		MG	08.07.19
Designed	Project No.			Dwg. No.	Issue
VG	SY190341			C4.01	B

P:\SY\SY190341\Drawings\DA\Drawings\SY190341_C4.01.dwg
Oct 18, 2019 - 7:56pm

SOIL EROSION AND SEDIMENT CONTROL LEGEND

- SEDIMENT FENCE
- LIMIT OF WORKS
- GEOTEXTILE INLET FILTER
- S.P — INDICATIVE STOCKPILE LOCATION
- STABILISED SITE ACCESS
- TREES TO BE REMOVED
- DISTURBED AREA



4. Volume of Sediment Basins, *Type D* and *Type F* Soils

Basin volume = settling zone volume + sediment storage zone volume

Settling Zone Volume

The settling zone volume for *Type F* and *Type D* soils is calculated to provide capacity to contain all runoff expected from up to the y-percentile rainfall event. The volume of the basin's settling zone (V) can be determined as a function of the basin's s

$$V = 10 \times C_v \times A \times R_{x\text{-day},\ y\text{-\%ile}} \ (m^3)$$

where:

10 = a unit conversion factor

C_v = the volumetric runoff coefficient defined as that portion of rainfall that runs off as stormwater over the x-day period

$R_{x\text{-day},\ y\text{-\%ile}}$ = is the x-day total rainfall depth (mm) that is not exceeded in y percent of rainfall events. (See Sections 6.3.4(d), (e), (f), (g) and (h)).

A = total catchment area (ha)

Sediment Storage Zone Volume

In the detailed calculation on Soil Loss Classes 1 to 4 lands, the sediment storage zone can be taken as 50 percent of the settling zone capacity. Alternately designers can design the zone to store the 2-month soil loss as calculated by the RUSLE (Sectio

Place an "X" in the box below to show the sediment storage zone design parameters used here:

	50% of settling zone capacity,
X	2 months soil loss calculated by RUSLE

Total Basin Volume

Site	C_v	$R_{x\text{-day},\ y\text{-\%ile}}$	Total catchment area (ha)	Settling zone volume (m^3)	Sediment storage volume (m^3)	Total basin volume (m^3)
1	0.40	20.3	0.5	40.6	5	45.6

©COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

NOT FOR CONSTRUCTION

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DEVELOPMENT APPLICATION	18.10.19	VG	MG
A	DRAFT DA APPROVAL ISSUE	08.07.19	VG	MG

1cm at full size 10cm 20cm

North

Client
TARA ANGLICAN SCHOOL FOR GIRLS
MASONS DR,
NORTH PARRAMATTA NSW 2151
PHONE : (02) 8467 9333

Architect
NBRS ARCHITECTURE
LEVEL 3, 4 GLEN ST, MILSONS POINT NSW 2061 AUSTRALIA
NBRSARCHITECTURE.COM
PHONE : (02) 9922 2344

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
TARA ANGLICAN SCHOOL FOR GIRLS
PROPOSED AQUATIC CENTRE
MASONS DR, NORTH PARRAMATTA NSW

Drawing Title
SOIL AND WATER MANAGEMENT PLAN

Drawn	Date	Scale	A1	Q.A. Check	Date
VG	Jun-19	1:250		MG	08.07.19
Designed	Project No.			Dwg. No.	Issue
VG	SY190341			C5.01	B

P:\SY\SY190341\Drawings\C5\Dwgs\SY190341 C5.01.dwg
Oct 18, 2019 - 7:19pm

LEGEND

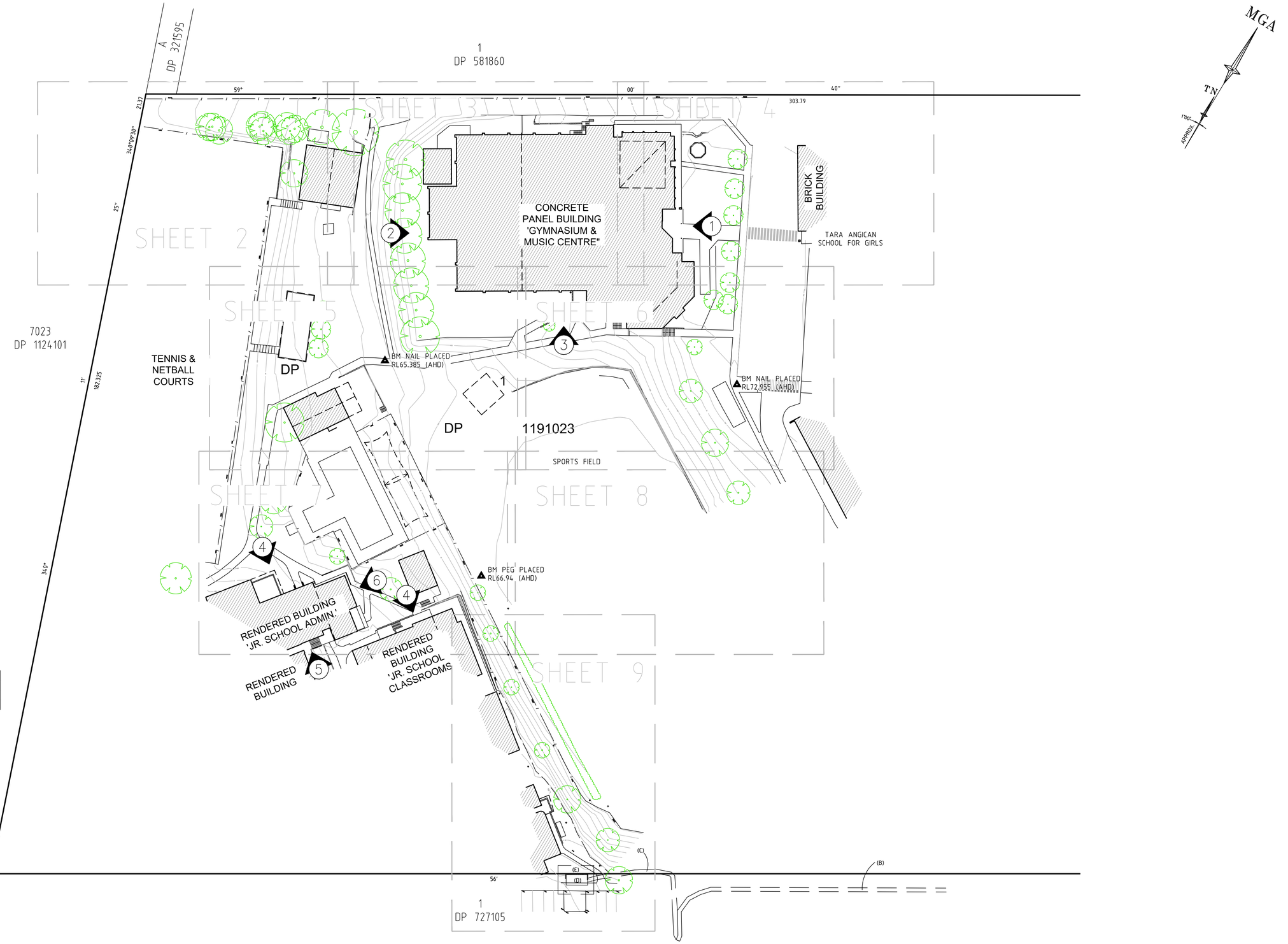
BENCH MARK	▲
COMMS PIT	COM
TELSTRA PIT	TEL
ELECTRIC LIGHT POLE	ELP
ELECTRICITY BOX	EL
ELECTRICITY PIT	EPIT
PIT WITH CONCRETE LID	CLID
PIT WITH METAL LID	MLID
GRATED INLET PIT	GIP
FLAG POLE	FP
SEWER INSPECTION POINT	SIP
SEWER MANHOLE	SMH
HYDRANT	HYD
FIRE HYDRANT	FH
WATER METER	WM
WATER VALVE	WV
IRRIGATION CONTROL VALVE	ICV
GAS METER	GM
WINDOW	W
DOOR	D
HEAD/SILL	H/S
TOP OF WALL	TOW
TELSTRA (DBYD)	T
STORMWATER (DBYD)	SW

NOTES

1. THE BOUNDARIES HAVE NOT BEEN MARKED
2. ALL AREAS AND DIMENSIONS HAVE BEEN COMPILED FROM PLANS MADE AVAILABLE BY NSW LAND REGISTRY SERVICES AND ARE SUBJECT TO FINAL SURVEY
3. ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM **DRAWING No. DA02/A BY NBRS&PT**
4. ORIGIN OF MGA COORDINATES TAKEN FROM SSM51074 (E316433, N6259328) IN MASONS DRIVE (DP1191023) AND ARE APPROXIMATE ONLY
5. CONTOUR INTERVAL **0.5 m**
6. CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
7. KERB LEVELS ARE TO THE TOP OF KERB UNLESS SHOWN OTHERWISE
8. FLOOR LEVELS SHOWN ARE THRESHOLD LEVELS. NO INVESTIGATION OF INTERNAL FLOOR LEVELS HAS BEEN UNDERTAKEN
9. NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. SERVICES HAVE BEEN PLOTTED FROM RELEVANT AUTHORITIES INFORMATION AND HAVE NOT BEEN SURVEYED. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE .
10. 8/.4/7 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m

TABLE OF BENCHMARK COORDINATES

No.	NAME	DESCRIPTION	EASTING	NORTHING	RL (AHD)
1	ST1605	NAIL	316269.505	6259415.94	72.955
2	ST1607	PEG	316238.67	6259340.11	66.940
3	ST1699	NAIL	316189.04	6259374.63	65.385



(A) EASEMENT FOR OVERHEAD POWERLINE 7 WIDE (DP1097422)
(B) EASEMENT FOR UNDERGROUND CABLES 1 WIDE & VARIABLE (DP1141991)
(C) EASEMENT FOR UNDERGROUND CABLES 1 WIDE (DP1149381)
(D) EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE (DP1149381)
(E) RESTRICTION ON USE OF LAND (DP1149381)
(F) EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE (1141991)
(G) RESTRICTION ON THE USE OF LAND (DP1141991)
(H) RIGHT OF WAY (VIDE BK255 No994, BK255 No995, BK735 No926, A297152)
(R) RESIDUE OF WINBOURNE ROAD

DIAL BEFORE YOU DIG www.1100.com.au

REFER TO NOTES AND LEGEND

0 10 15 20 30 40 50
SCALE 1: 500 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....
Registered Surveyor NSW

LTS LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au
Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client TARA ANGLICAN SCHOOL FOR GIRLS

Drawing title
PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

datum AHD
site Area N/A
LGA PARRAMATTA

reference number 27667 006DT
scale 1:500 @A1
date of survey 07/09/18
SHEET 1 OF 11

MGA

TN

APPROX

A
DP 321595

59°

1
DP 581860

340°09'30"

21.37

25"

7023
DP 1124101

1
DP 1191023

TENNIS &
NETBALL
COURTS

61.38 61.79 METAL 62.32 63.05 64.05 FENCE 64.71

Ø450 SW 60.73 61.88 Ø375 GIP SW SW

Ø225 SW 60.65 61.73 GIP

61.86 WIRE 62.28 62.79 7/.4/18 62.83 7/.4/18 62.92 7/.4/18 61.91 62.03 MESH

63.50 7/.4/18 63.50 7/.4/18 63.63 63.55 7/.4/18 63.46 62.03 62.16 FENCE

63.98 63.96 7/.4/18 64.24 7/.4/18 64.07 7/.4/18 64.01 63.74 64.16 TOW

64.31 64.51 9/.7/18 64.73 METAL SHED 64.61

64.44 62.24 62.24 62.25 CONCRETE BLOCK WALL TIMBER RETAINING WALL

64.62 FL RIDGE RL70.81 METAL CLAD MAINTENANCE SHED

62.96 63.85 TOW 64.07 7/.4/14

62.18 62.18 62.16 62.28 64.13 FENCE CONCRETE

62.05 62.28 CONCRETE STEPS 64.18 64.17 63.54 SIP

64.41 SIP METAL SHED 64.54 64.68 64.81 65.36 64.75 65.09

64.53 SIP IL63.48 64.69 CONCRETE 64.73 64.70

GRASS

MESH OF WIRE EDGE

64.00 64.48 64.83 63.85

65.09 12/.1/

64.98 65.02 TOW 64.75 TOW

DIAL BEFORE YOU DIG www.1100.com.au

REFER TO NOTES AND LEGEND

0 2 3 4 6 8 10
SCALE 1:100 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....
Registered Surveyor NSW

LTS LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au
Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client TARA ANGLICAN SCHOOL FOR GIRLS

Drawing title
PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

datum AHD
site Area N/A
LGA PARRAMATTA

reference number 27667 006DT
scale 1:100 @A1
date of survey 07/09/18
SHEET 2 OF 11

1
DP 581860

00'

METAL
FENCE
BITUMEN
DRIVEWAY
EDGE OF BITUMEN
GATE
CONCRETE
GRASS
BRICK WALL
CONCRETE
VERANDAH
FOOTPATH
METAL CLAD DEMOUNTABLE BUILDING
METAL CLAD MAINTENANCE SHED
METAL SHED
CONCRETE
CONCRETE PANEL BUILDING 'GYMNASIUM & MUSIC CENTRE"
RAISED METAL ROOF
RIDGE RL70.81
RIDGE RL78.70
RIDGE RL79.01
1
DP 1191023
MGA
TN
1°00' APPROX.
DIAL BEFORE YOU DIG www.1100.com.au
REFER TO NOTES AND LEGEND
SCALE 1: 100 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....
Registered Surveyor NSW

LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au
Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client TARA ANGLICAN SCHOOL FOR GIRLS
Drawing title
PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

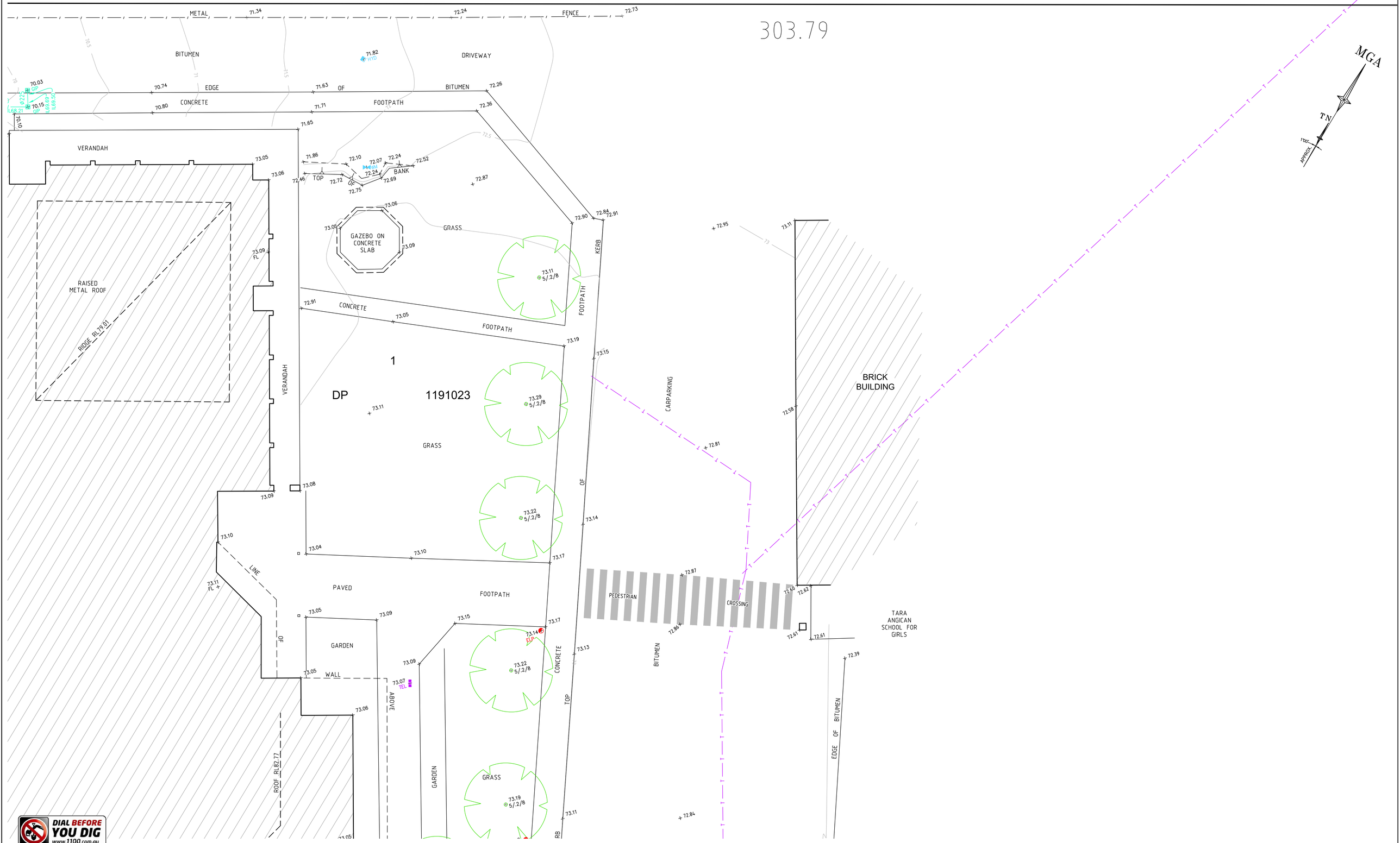
datum AHD
site Area N/A
LGA PARRAMATTA
reference number 27667 006DT
scale 1:100 @A1
date of survey 07/09/18
SHEET OF 11 | 3

00'

1
DP 581860

40''

303.79



DIAL BEFORE YOU DIG
www.1100.com.au

REFER TO NOTES AND LEGEND

0 2 3 4 6 8 10
SCALE 1: 100 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....
Registered Surveyor NSW

LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au
Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client TARA ANGLICAN SCHOOL FOR GIRLS
Drawing title
PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

datum AHD
site Area N/A
LGA PARRAMATTA

reference number 27667 006DT
scale 1:100 @A1
date of survey 07/09/18
SHEET OF 11 | 4

MGA

TN

180° APPROX.

TENNIS & NETBALL COURTS

DP 1191023

1

PAVED AREA WITH METAL AWNING OVER

BRICK AMENITIES BUILDING

RIDGE RL68.10

METAL AWNING

GARDEN

GRASS

CONCRETE STEPS

FENCE

CONCRETE

FOOTPATH

CONCRETE

STONE

RETAINING WALL

TIMBER AWNING

PAVING

BK.WALL

WIRE

MESH

WIRE EDGE OF MESH

SOFTFALL POOL SURROUND

INGROUND SWIMMING POOL

SHADE SAIL

BM NAIL PLACED RL65.385 (AHD)

RIDGE RL78.70

68.32 68.56 FL 68.34 68.35 68.32

68.22 9/.5/18

68.20

68.22 9/.5/18

68.28 10/.6/18

65.88 LPGBOT

64.48 6/.3/9

64.48 6/.3/9

64.44 6/.3/9

63.63 10/.4/10

61.85 GIP

65.12 GIP

65.12 IL64.32 MS Ø300

64.98 TOW 65.13 MS IL64.60 Ø300 SW

66.39 GIP

65.20 SIP

63.63 OLID

67.33 TOW 66.67 TOW

66.63 OLID

66.15 TEL

DIAL BEFORE YOU DIG www.1100.com.au

REFER TO NOTES AND LEGEND

0 2 3 4 6 8 10

SCALE 1:100 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....

Registered Surveyor NSW

LTS LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au
Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client TARA ANGLICAN SCHOOL FOR GIRLS

Drawing title

PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

datum AHD

reference number 27667 006DT

site Area N/A

scale 1:100 @A1

date of survey 07/09/18

LGA PARRAMATTA

SHEET 5 OF 11

RIDGE RL 78.70

ROOF RL 82.77

68.28 MLID

68.45

68.45 COL

MLID 68.44

WALL

BRICK

69.62 FL

69.59

68.45

68.45

68.44 COL

69.55

68.43

68.49 COL

69.54

68.44

69.54

FOOTPATH

WALL

BRICK

3/.2/5

GARDEN

68.18

CONCRETE

68.30

68.20

68.19

69.08

69.45

69.54

69.57 COL

BRICK

69.55 COL

WALL

69.59

69.43 CIP

69.52

GARDEN

69.53

FOOTPATH

69.84

69.81

69.99

70.24

70.25

70.72 FL

70.56

70.32

CONCRETE

LINE

OF

70.98

BRICK

WALL

72.93

72.98

73.11

FOOTPATH

72.02

72.93

72.95

73.13

71.95 SIP

72.88 ELP

72.99 FEL

73.08 ELP

73.04

72.92 4/.2/5

67.97

68.65

69.40

68.86

CONCRETE

GRASS

68.21

68.41

69.88

71.30

68.06 TOW

68.45 TOW

68.77 SIP

67.83 TOW

66.60

RETAINING

66.56

68.84 TOW

66.76

67.54

67.57 TOW

66.61

66.70

66.69

66.73

66.82

67.33 TOW

66.60

CONCRETE

66.48

66.78

1

DP 1191023

66.96

69.07 TOW

66.85

WALL

70.75 CLID

71.99 6/.3/10

71.69 SIP

ø300 SW RL70.457

SW

GRASS

70.65

69.07 TOW

69.18 CLID

66.73 GIP

ø300 SW RL66.25

ø300 SW RL66.11

67.12

66.97

67.02 SIP

67.02

67.08

GARDEN

73.05 FL

73.02

73.08

ABOVE

72.85

GARDEN

73.01

73.10

73.13 5/.4/7

GRASS

73.19 5/.2/8

73.08 ELP

73.15 5/.2/8

FOOTPATH

KERB

73.11

72.84

72.83

BITUMEN CARPARKING

OF

EDGE OF BIT

72.47

72.51

72.19

MGA

T'N

1°00'

APPROX

TOP

72.96

72.98

72.98 ELP

72.94

72.82

73.05 FP

SANDSTONE PAVERS

72.91

73.08 FP

73.05 FP

72.68

BM NAIL PLACED RL72.955 (AHD)

BITUMEN

72.83

PEDESTRIAN CROSSING

72.74

72.86

72.80

72.74

72.92

CONCRETE

72.83

72.74 ELP

EDGE

72.67

72.69

72.56

72.62

72.65

72.68

72.53

72.76

OF

GRASS

72.71

FOOTPATH

72.63

72.68

71.38 7/.3/10

71.33 COM

71.69 SIP

72.51 ELP

BITUMEN DRIVEWAY

72.49

EDGE OF BITUMEN

72.20

DIAL BEFORE YOU DIG www.1100.com.au

REFER TO NOTES AND LEGEND

0 2 3 4 6 8 10

SCALE 1: 100 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....

Registered Surveyor NSW

LTS LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au

Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client TARA ANGLICAN SCHOOL FOR GIRLS

Drawing title

PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

datum AHD

site Area N/A

LGA PARRAMATTA

reference number 27667 006DT

scale 1:100 @A1

date of survey 07/09/18

SHEET 6 OF 11

TENNIS & NETBALL COURTS

INGROUND SWIMMING POOL

SOFTFALL POOL SURROUND

GARDEN

GRASS

FOOTPATH

FENCE

CONCRETE

MESH

WIRE

EDGE

SHADE SAIL

GATE

POOL PUMP ENCLOSURE

1

DP 1191023

PAVED AREA WITH METAL AWNING OVER

RENDERED BUILDING 'JR. SCHOOL ADMIN.'

PAVING

TIMBER AWNING

RENDERED BUILDING 'JR. SCHOOL CLASSROOMS'

RENDERED BUILDING

VERANDAH

RIDGE RL67.27

RIDGE RL66.07

RIDGE RL68.32

METAL CLAD DEMOUNTABLE BUILDING

TIMBER DECK WITH METAL AWNING OVER

STONE RETAINING WALL

BRICK WALL

RETAINING WALL

HEDGE

DRAINS TO PIT NEXT TO PLAY EQUIPMENT

DRAINS TO PIT CORNER OF COURTS

BM PEG PLACED RL66.94 (AHD)

MGA

TN

100° APPROX.

DIAL BEFORE YOU DIG www.1100.com.au

REFER TO NOTES AND LEGEND

SCALE 1: 100 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....

Registered Surveyor NSW

LTS LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au
Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client TARA ANGLICAN SCHOOL FOR GIRLS

Drawing title

PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

datum AHD

site Area N/A

LGA PARRAMATTA

reference number 27667 006DT

scale 1:100 @A1

date of survey 07/09/18

SHEET 7 OF 11

MGA

TN

APPROX.

SPORTS FIELD

1

DP 1191023

67.08 67.12 67.23 67.15 67.09 67.31 67.25 67.16 67.11 67.23

66.73 66.97 67.02 SIP 68.82 TOW 67.03 67.10 68.82 TOW

71.32 COM 71.70 SIP

70.50 69.31 SPECTATOR SEATING 70.48 69.26

71.06 67.3/10

72.51 ELP 71.70 SIP 72.37 72.40

BITUMEN DRIVEWAY

EDGE OF BITUMEN

72.20

66.96 SW

66.91 66.84 HEDGE

DIAL BEFORE YOU DIG www.1100.com.au

REFER TO NOTES AND LEGEND

0 2 3 4 6 8 10

SCALE 1: 100 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....

Registered Surveyor NSW

LTS LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au

Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client TARA ANGLICAN SCHOOL FOR GIRLS

Drawing title

PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

datum AHD

site Area N/A

LGA PARRAMATTA

reference number 27667 006DT

scale 1:100 @A1

date of survey 07/09/18

SHEET 8 OF 11

MGA

T N

APPROX. 0.6°

SPORTS FIELD

HEDGE

MESH

FENCE

OVERGROWN EMBANKMENT

BANK

TOP OF BOTTOM

RETAINING WALL

MESH

STONE

CONCRETE

RENDERED BUILDING 'JR. SCHOOL CLASSROOMS

FENCE

HEDGE

MESH

OVERGROWN EMBANKMENT

FENCE WALL

AIR COND. UNITS

U/S GUTTER RL 63.98

RENDERED BUILDING CLASSROOMS

U/S GUTTER RL 63.88

RENDERED BUILDING

METAL AWNING

LOW CONCRETE WALL

U/S AWNING RL 63.88

U/S AWNING RL 63.98

CONCRETE

ELECTRICAL BOX

RENDERED CONCRETE WALL

RENDERED BUILDING

RETAINING

(C)

FOOTPATH

KERB

TOP OF BITUMEN CARPARK

LOW CONC. BLOCK RET. WALL

(D)

ELECTRICAL SUBSTATION

(E)

CONCRETE

GARDEN

1
DP 727105

DIAL BEFORE YOU DIG
www.1100.com.au

REFER TO NOTES AND LEGEND

0 2 3 4 6 8 10
SCALE 1:100 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....
Registered Surveyor NSW

LTS LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au
Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

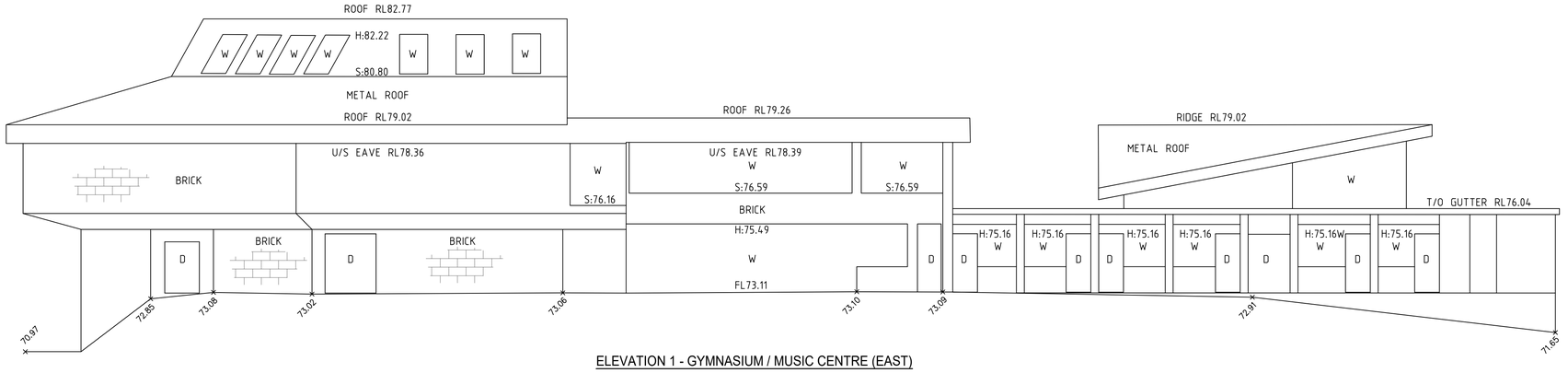
Client TARA ANGLICAN SCHOOL FOR GIRLS

Drawing title
PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

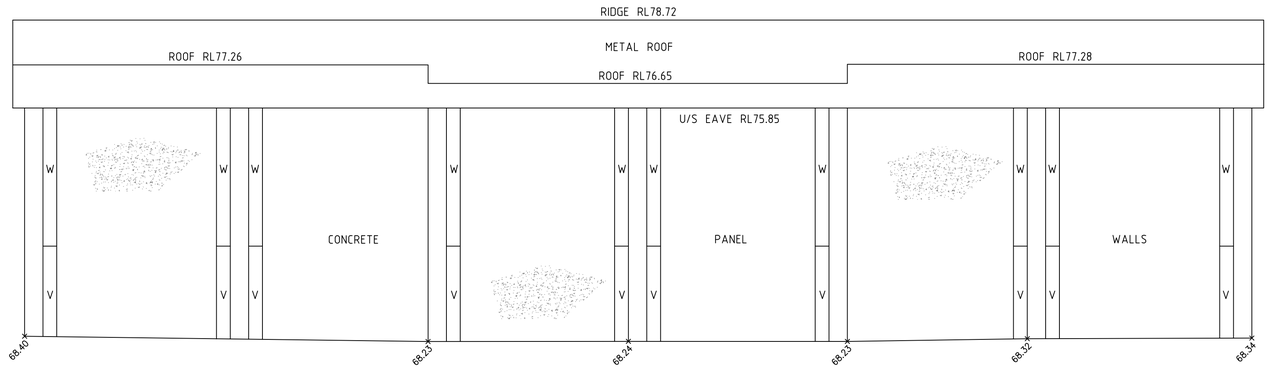
datum AHD
site Area N/A
LGA PARRAMATTA

reference number 27667 006DT
scale 1:100 @A1
date of survey 07/09/18

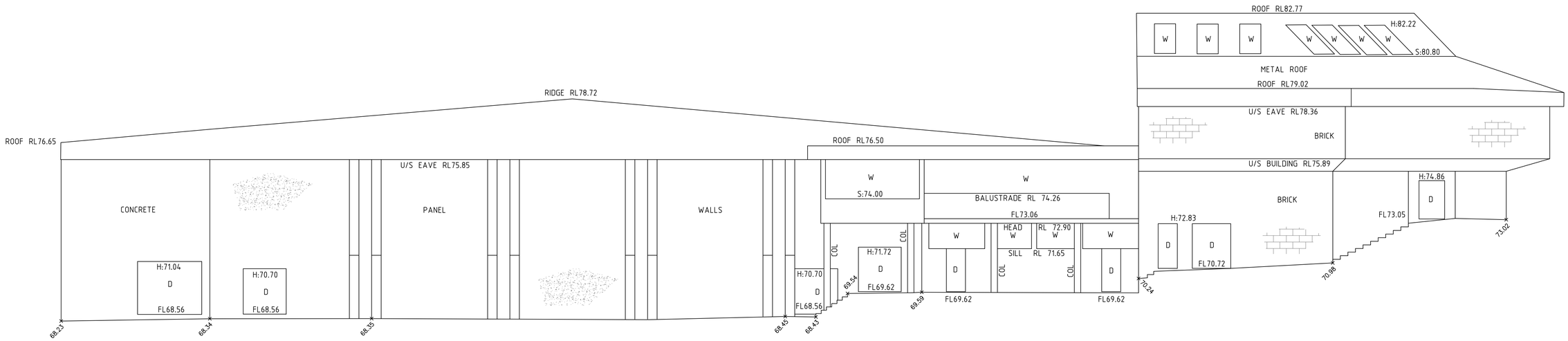
SHEET 9 OF 11



ELEVATION 1 - GYMNASIUM / MUSIC CENTRE (EAST)



ELEVATION 2 - GYMNASIUM / MUSIC CENTRE (WEST)



ELEVATION 3 - GYMNASIUM / MUSIC CENTRE (SOUTH)

DIAL BEFORE YOU DIG www.1100.com.au

REFER TO NOTES AND LEGEND

0 2 3 4 6 8 10
SCALE 1: 100 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

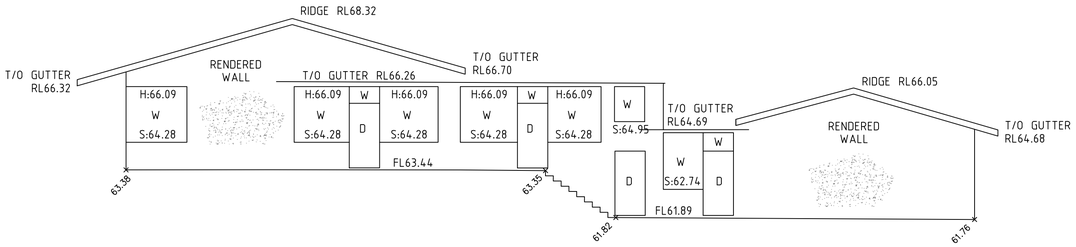
THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....
Registered Surveyor NSW

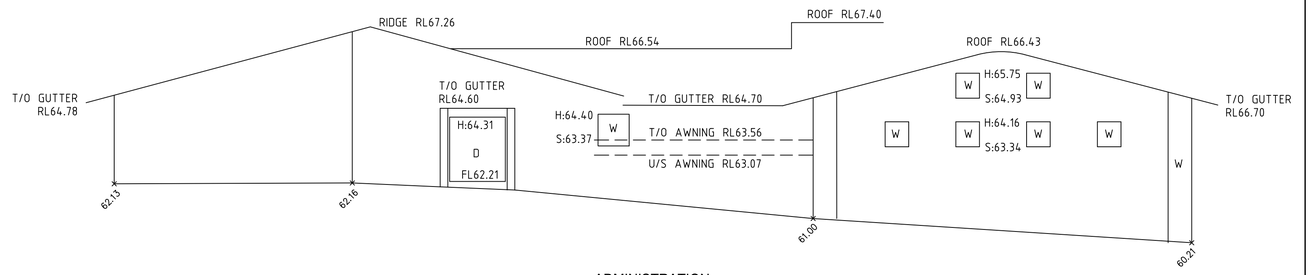
LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au
Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client TARA ANGLICAN SCHOOL FOR GIRLS
Drawing title
PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

datum AHD
site Area N/A
LGA PARRAMATTA
reference number 27667 006DT
scale 1:100 @A1
date of survey 07/09/18
SHEET 10 OF 11

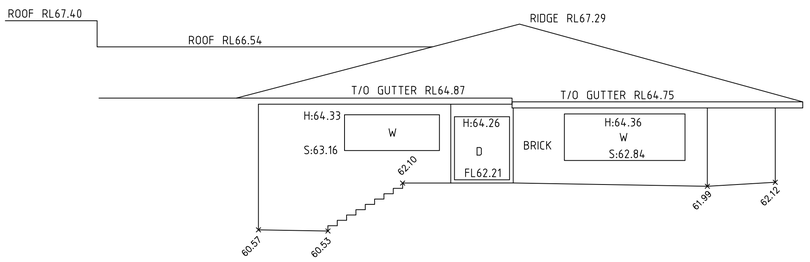


CLASSROOMS

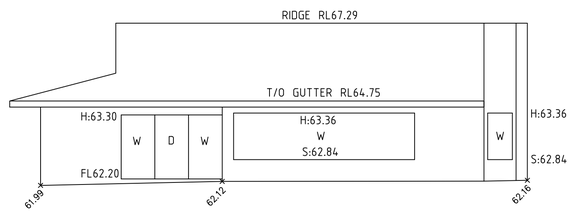


ADMINISTRATION

ELEVATION 4 - JUNIOR SCHOOL (NORTH)



ELEVATION 5 - JUNIOR SCHOOL ADMINISTRATION (SOUTH)



ELEVATION 6 - JUNIOR SCHOOL ADMINISTRATION (EAST)

DIAL BEFORE YOU DIG www.1100.com.au

REFER TO NOTES AND LEGEND

0 2 3 4 6 8 10

SCALE 1: 100 @ A1

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	11/06/19	EXTRA DETAIL AND LEVELS ADDED	008
A	22/02/19	ALL BOUNDARIES ADDED TO MODEL SPACE	006

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....

Registered Surveyor NSW

LOCKLEY
Registered Surveyors NSW
www.ltsl.com.au
Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client TARA ANGLICAN SCHOOL FOR GIRLS

Drawing title

PLAN OF DETAIL AND LEVELS OVER PART OF LOT 1 IN DP1191023 AT MASONS DRIVE, NORTH PARRAMATTA

datum AHD

site Area N/A

LGA PARRAMATTA

reference number 27667 006DT

scale 1:100 @A1

date of survey 07/09/18

SHEET 11 OF 11