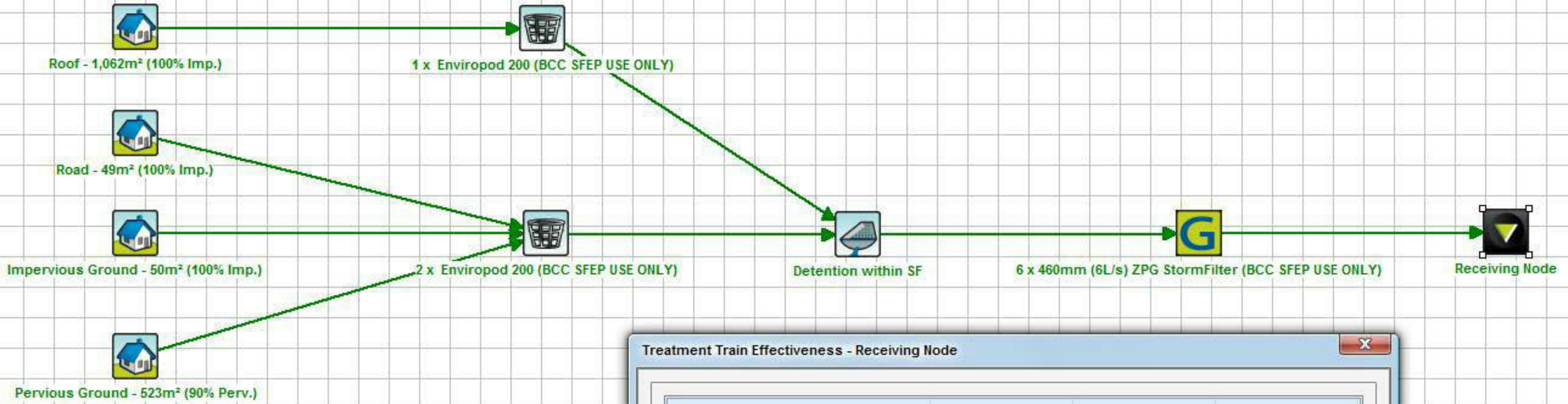
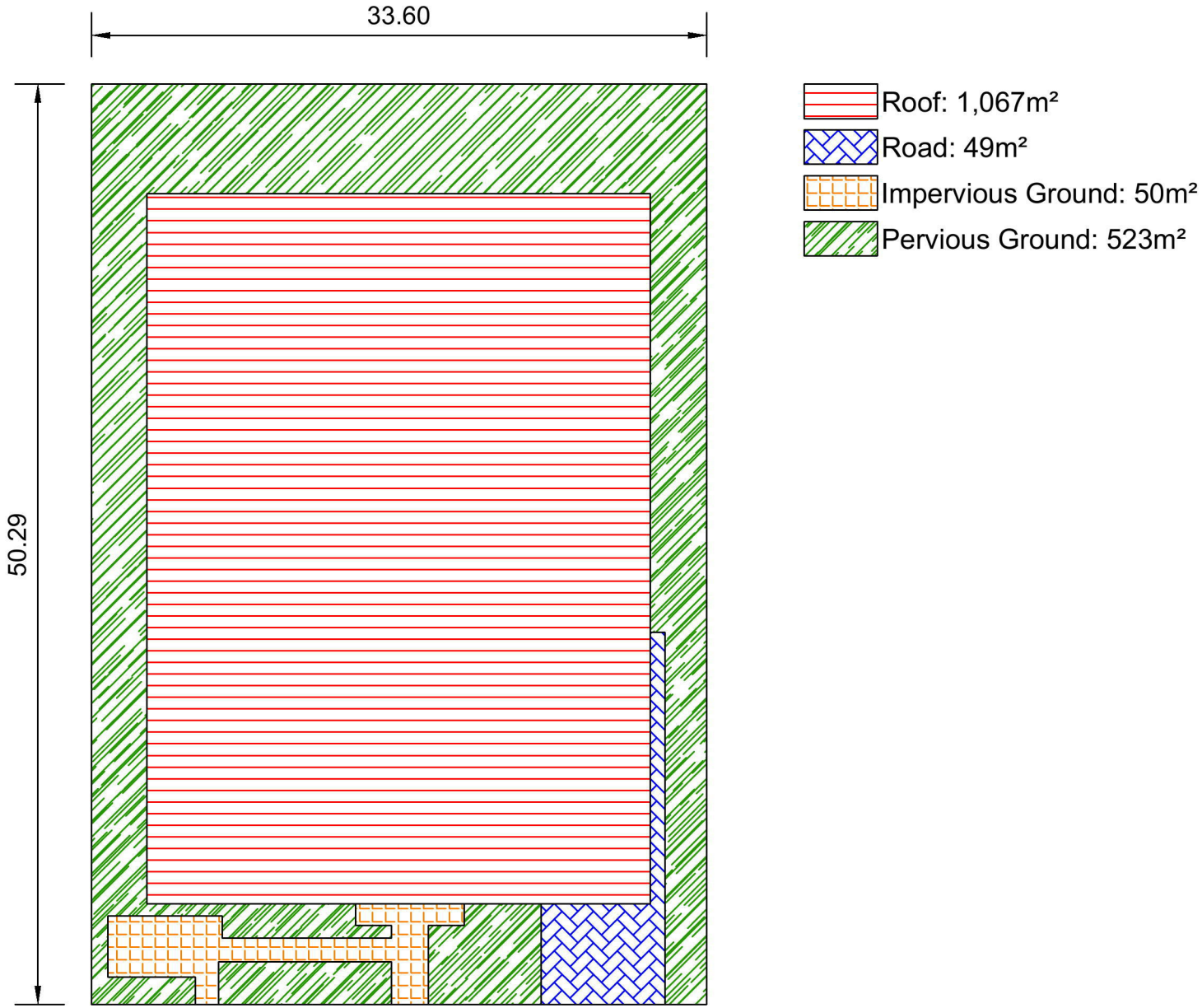


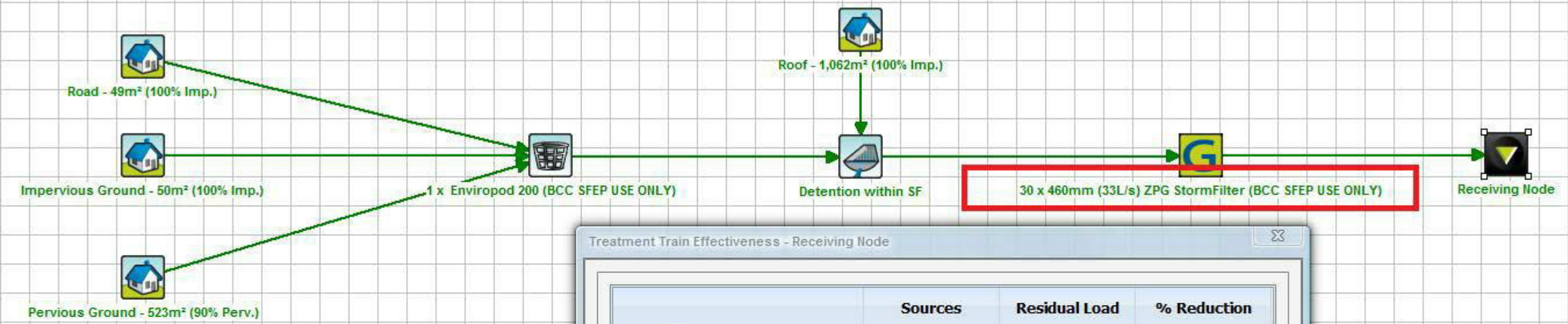
Treatment Train Effectiveness - Receiving Node

	Sources	Residual Load	% Reduction
Flow (ML/yr)	0.762	0.762	0
Total Suspended Solids (kg/yr)	44.3	6.13	86.2
Total Phosphorus (kg/yr)	0.144	0.0558	61.1
Total Nitrogen (kg/yr)	1.66	0.915	45
Gross Pollutants (kg/yr)	20.8	0	100

MUSIC Model Site Area Breakup



05568 - 41-43 Barber Street, Penrith (Site Area Breakup)



Treatment Train Effectiveness - Receiving Node

	Sources	Residual Load	% Reduction
Flow (ML/yr)	0.762	0.762	0
Total Suspended Solids (kg/yr)	44.3	6.17	86.1
Total Phosphorus (kg/yr)	0.144	0.0605	58
Total Nitrogen (kg/yr)	1.66	1.06	36.1
Gross Pollutants (kg/yr)	20.8	0	100

STORMFILTER DESIGN TABLE

- THE SIZE 3.2 x 1.8m STORMFILTER TREATMENT CAPACITY VARIES BY NUMBER OF FILTER CARTRIDGES INSTALLED AND BY REGION SPECIFIC INTERNAL FLOW CONTROLS.
- THE STANDARD CONFIGURATION IS SHOWN. ACTUAL CONFIGURATION OF THE SPECIFIED STRUCTURE(S) PER CIVIL ENGINEER WILL BE SHOWN ON SUBMITTAL DRAWING(S).
- ALL PARTS PROVIDED AND INTERNAL ASSEMBLY BY STORMWATER360 UNLESS OTHERWISE NOTED.

CARTRIDGE HEIGHT	690		460		310	
SYSTEM HYDRAULIC DROP (H - REQ'D. MIN.)	930		700		550	
TREATMENT BY MEDIA SURFACE AREA L/S/m2	1.4	0.7	1.4	0.7	1.4	0.7
CARTRIDGE FLOW RATE (L/s)	1.42	0.71	0.95	0.47	0.63	0.32

GENERAL NOTES

1. INLET AND OUTLET PIPING SHALL BE SPECIFIED BY SITE CIVIL ENGINEER (SEE PLANS) AND PROVIDED BY CONTRACTOR. STORMFILTER IS PROVIDED WITH OPENINGS AT INLET AND OUTLET LOCATIONS.
2. IF THE PEAK FLOW RATE, AS DETERMINED BY THE SITE CIVIL ENGINEER, EXCEEDS THE PEAK HYDRAULIC CAPACITY OF THE PRODUCT, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED. PLEASE CONTACT STORMWATER360 FOR OPTIONS.
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4. SEE STORMFILTER DESIGN TABLE FOR REQUIRED HYDRAULIC DROP. FOR SHALLOW, LOW DROP OR SPECIAL DESIGN CONSTRAINTS, CONTACT STORMWATER360 FOR DESIGN OPTIONS.
5. ALL WATER QUALITY PRODUCTS REQUIRE PERIODIC MAINTENANCE AS OUTLINED IN THE O&M GUIDELINES. PROVIDE MINIMUM CLEARANCE FOR MAINTENANCE ACCESS.
6. STRUCTURE AND ACCESS COVERS DESIGNED BY OTHERS. ACCESS COVERS TO BE A MINIMUM 900X900 ABOVE CARTRIDGES.
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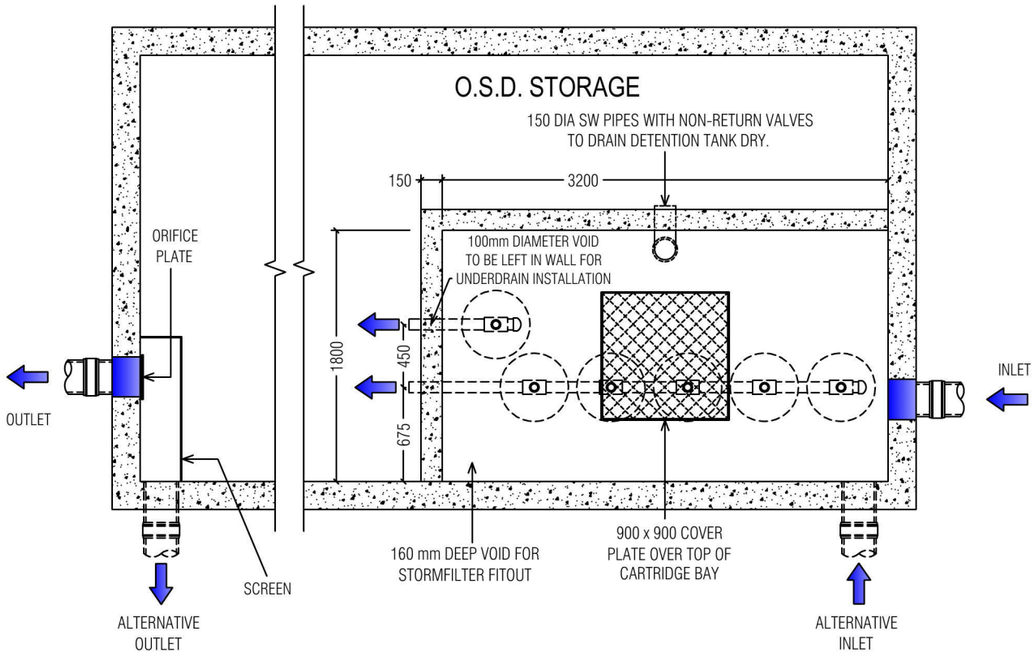
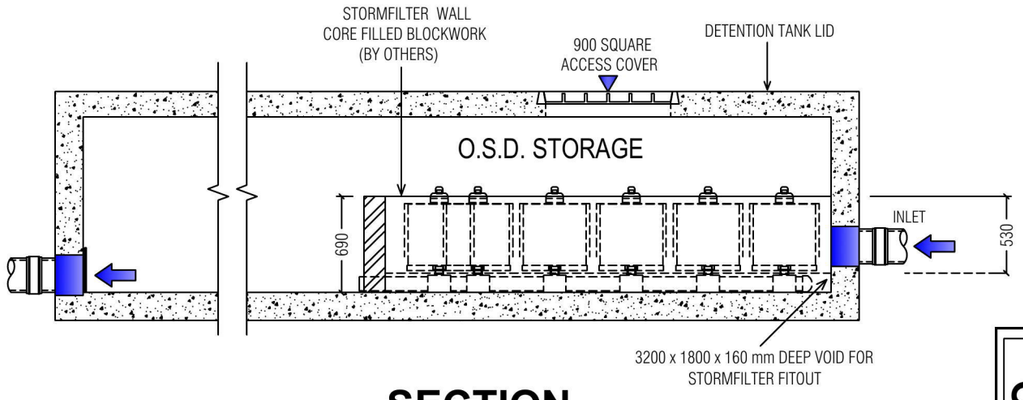
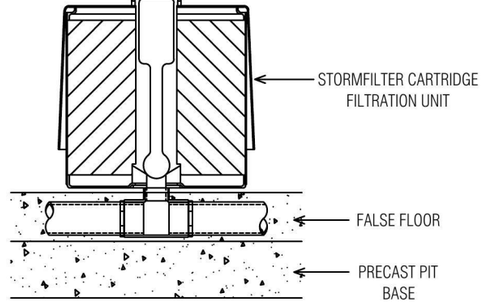
8. ANY BACKFILL DEPTH, SUB-BASE, AND OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY SITE CIVIL ENGINEER.
9. CARTRIDGE HEIGHT AND ASSOCIATED DESIGN PARAMETERS PER STORMFILTER DESIGN TABLE.
10. STORMFILTER BY STORMWATER360: SYDNEY (AU) PHONE: 1300 354 722 www.stormwater360.com.au



PLAN LAYOUT



SECTION



STORMFILTER CARTRIDGE DETAIL

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	XXX
WATER QUALITY FLOW RATE (L/S)	XXX
PEAK FLOW RATE (L/S)	XXX
RETURN PERIOD OF PEAK FLOW (yrs)	XXX
# OF CARTRIDGES REQUIRED	XXX
CARTRIDGE HEIGHT (310, 460 or 690mm)	460
MEDIA TYPE (PERLITE, PERLITE/ZEOLITE OR ZPG)	XXX
PRECAST VAULT WEIGHT	- kg
PRECAST LID WEIGHT	- kg

PIPE DATA:	I.L.	MATERIAL	DIAMETER
INLET PIPE #1	XXX	MATERIAL	XXX
INLET PIPE #2	XXX	MATERIAL	XXX
OUTLET PIPE	XXX	MATERIAL	XXX

RIM RLs

UPSTREAM XXX DOWNSTREAM

FLOW

LADDER		YES/NO
ANTI-FLOTATION BALLAST	XXX	XXX
	XXX	XXX

NOTES/SPECIAL REQUIREMENTS:

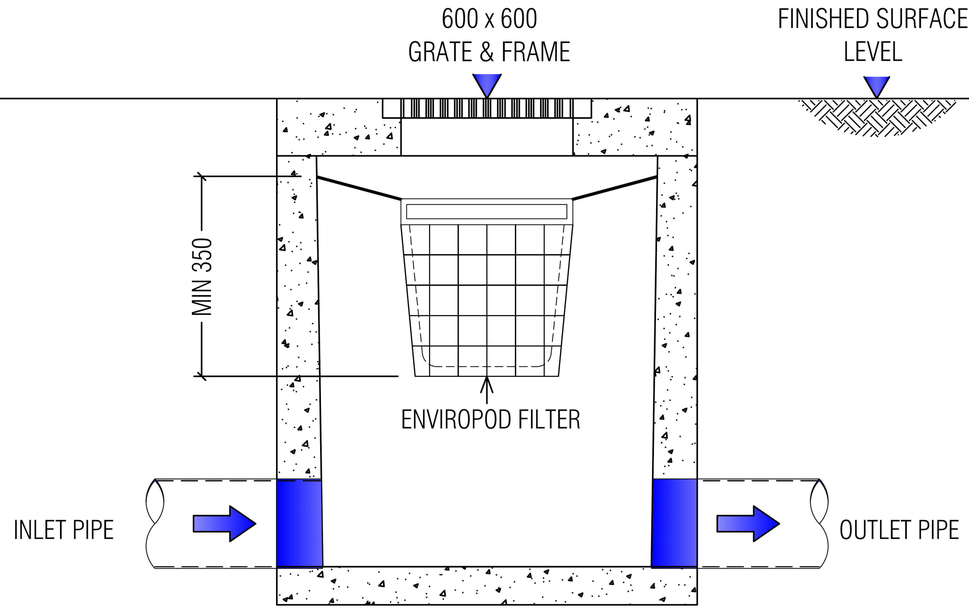
Stormwater360

STORMWATER360

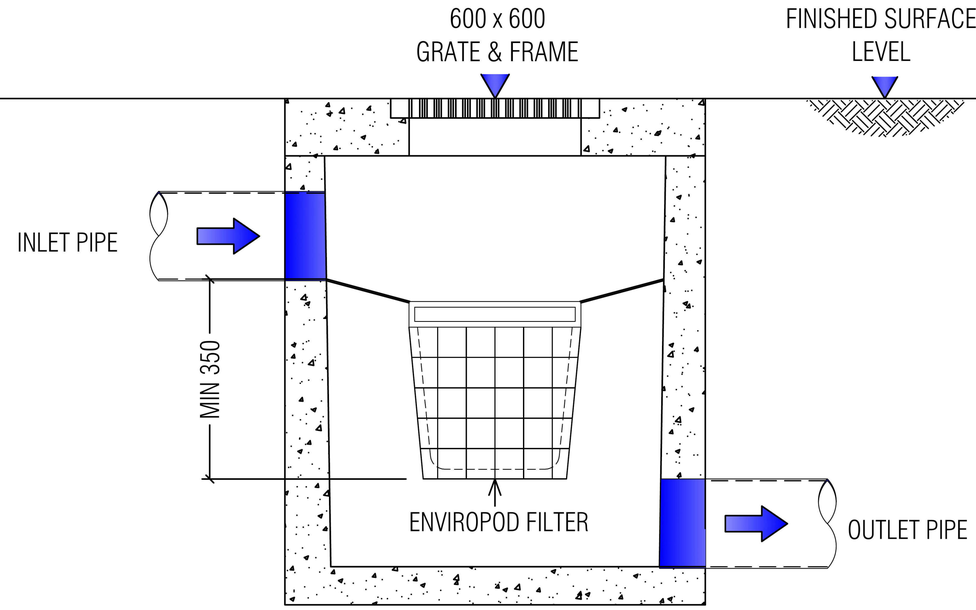
STORMFILTER DETENTION TANK
6 CARTRIDGE STORMFILTER SYSTEM
FIRST FLUSH GENERAL ARRANGEMENT

DRAWING 1 A

DATE: 15.03.12 | FILE NAME: 6C-DET-TANK-STD-460 | DRN: R.P. | CHK: A.M.



DROP PIPE ENVIROPOD CONFIGURATION SECTION



DROP PIPE ENVIROPOD CONFIGURATION SECTION

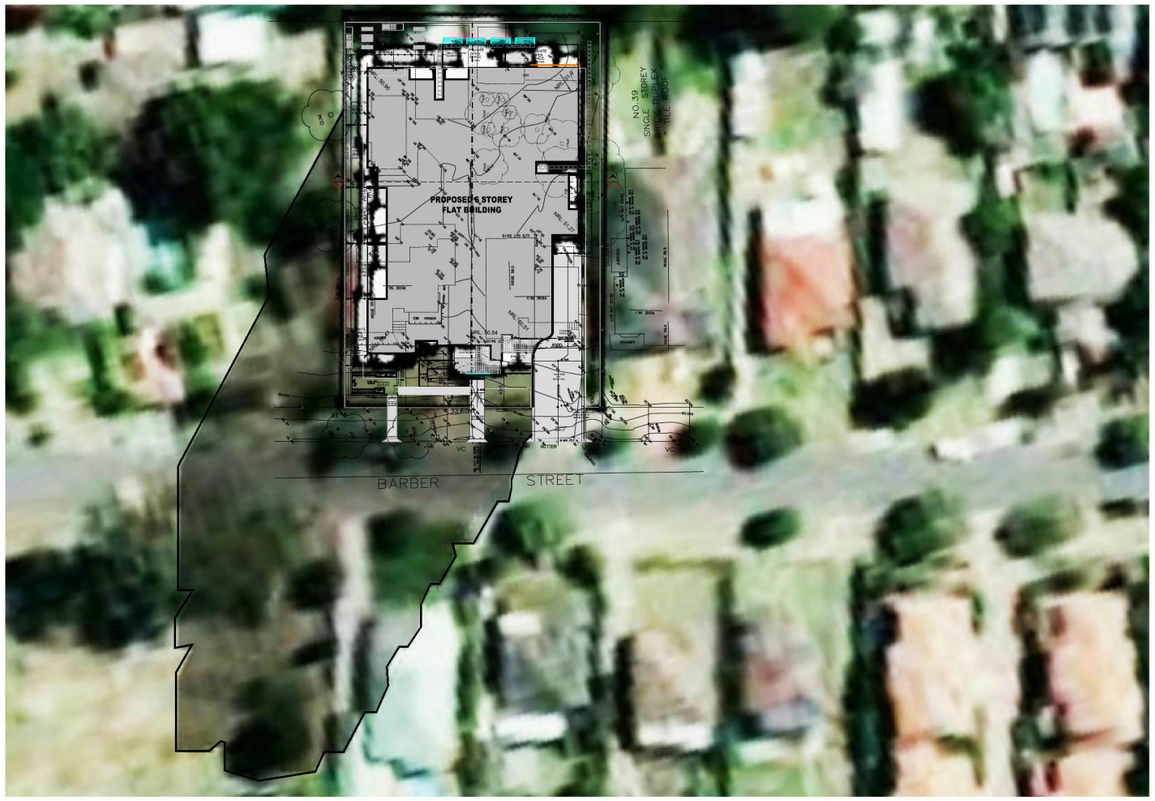
Stormwater360

04897 - Rowood Place

DOWNPIPE TO ENVIROPOD CONFIGURATION
WITH ENVIROPOD FILTER

DRAWING 1 A

DATE: 13.02.15	SCALE: N.T.S.	FILE NAME: DP_EPOD_1A	DRN: W.J.	CHK: H.T.

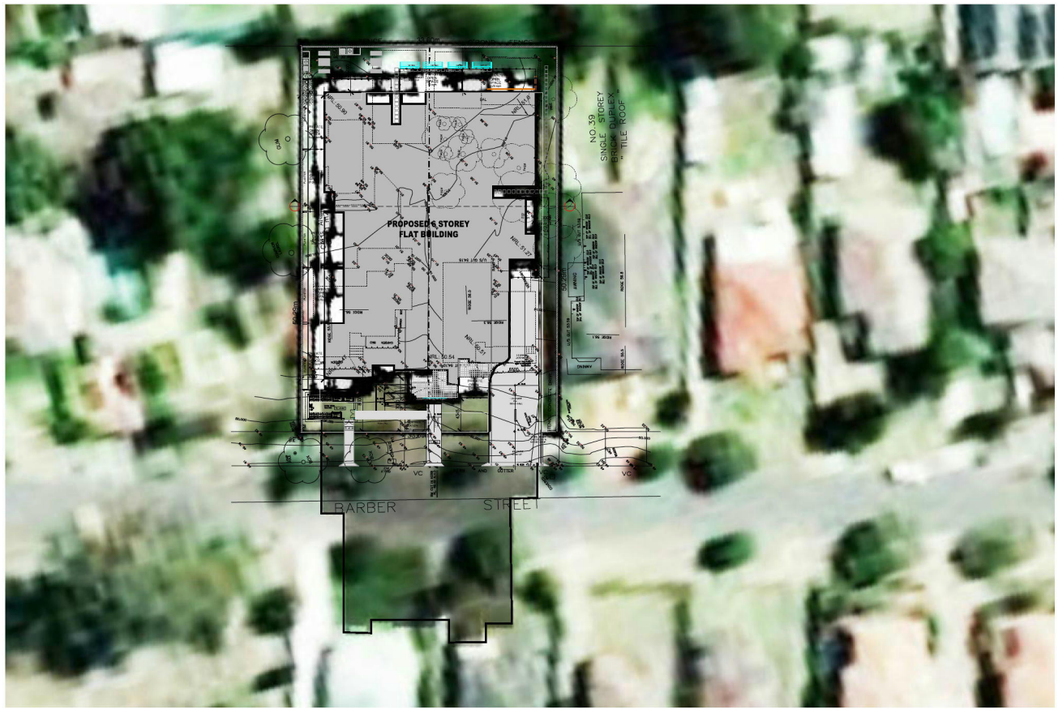


01 SHADOW DIAGRAM-
WINTER SOLSTICE: 21 JUNE 9.00AM

SCALE 1:800 @ A3

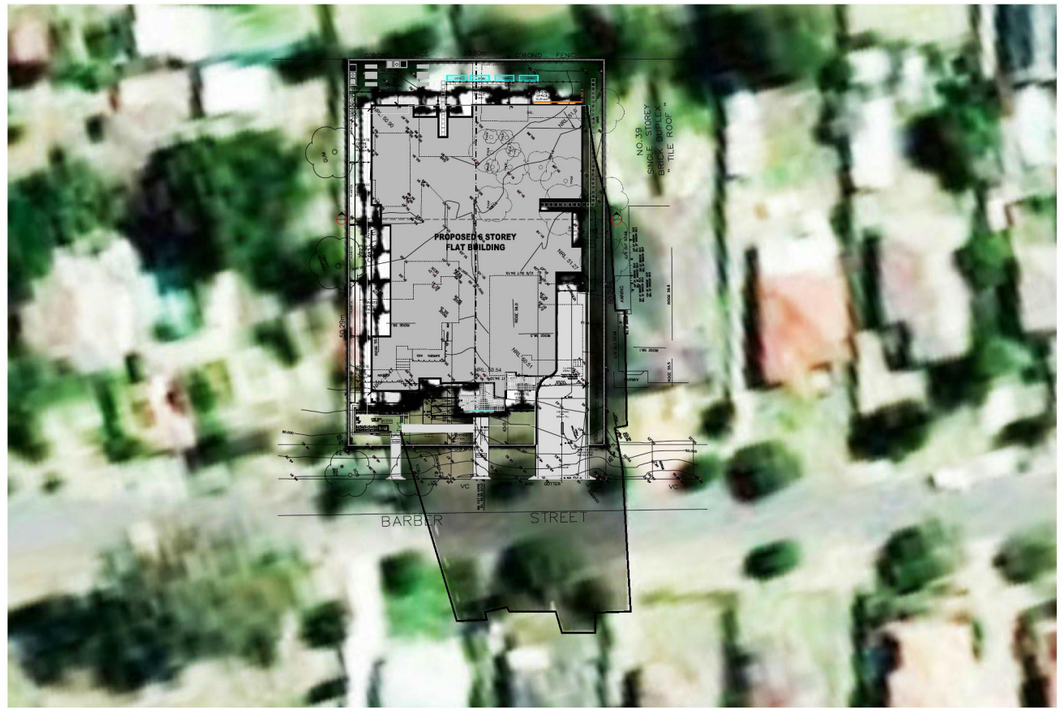
02 SHADOW DIAGRAM-
WINTER SOLSTICE: 21 JUNE 10.00AM

SCALE 1:800 @ A3



03 SHADOW DIAGRAM-
WINTER SOLSTICE: 21 JUNE 11.00AM

SCALE 1:800 @ A3



04 SHADOW DIAGRAM-
WINTER SOLSTICE: 21 JUNE 12.00PM

SCALE 1:800 @ A3

REVISION :

No	AMENDMENTS	By	Date
A	DA SUBMISSION	WA	17.03.15

Js Architects Pty Ltd
ABN 79 119 946 576

ARCHITECTS INTERIORS LANDSCAPE PLANNING

OFFICE :
Suite 4.04, Level 4, No: 5 Celebration Drive BELLA VISTA NSW 2153
PH: (02) 8814-6991 FAX: (02) 8814-6992 M: 0412 06 06 04
email: info @ jsarchitects.com.au web: www.jsarchitects.com.au

PROJECT :
PROPOSED FLAT DEVELOPMENT
41-43 BARBER AVENUE
PENRITH-NSW 2750

CLIENT :
SIMON ELIAS

DRAWING TITLE :
SHADOW DIAGRAM
JUNE 21ST 9AM-3PM

DRAWN :	WA
CHECKED :	SIMON OCHUDZAWA MAIA # 6865
DATE :	04.09.2014
SCALE :	1:400@A1
PROJECT No:	27-14-15
DRAWING No's:	23/24

05 SHADOW DIAGRAM-
WINTER SOLSTICE: 21 JUNE 01.00PM

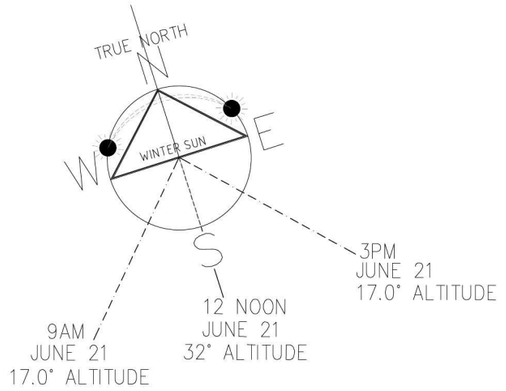
SCALE 1:800 @ A3

06 SHADOW DIAGRAM-
WINTER SOLSTICE: 21 JUNE 02.00PM

SCALE 1:800 @ A3

07 SHADOW DIAGRAM-
WINTER SOLSTICE: 21 JUNE 03.00PM

SCALE 1:800 @ A3



SUN ANGLE INFORMATION

Winter Solstice On June 21st

TIME	ALTITUDE	AZIMUTH
9 AM	17 °	42° E OF N
12 NOON	32 °	0° NORTH
3 PM	17 °	42° W OF N

REVISION :

No	AMENDMENTS	By	Date
A	DA SUBMISSION	WA	17.03.15

Architects Pty Ltd
ABN 79 119 946 576

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email: info @ jsarchitects.com.au web: www.jsarchitects.com.au

PROJECT :
PROPOSED FLAT DEVELOPMENT
41-43 BARBER AVENUE
PENRITH-NSW 2750

CLIENT :
SIMON ELIAS

DRAWING TITLE :
SHADOW DIAGRAM
JUNE 21ST 9AM-3PM

DRAWN :	WA
CHECKED :	SIMON OCHUDZAWA MAIA # 6865
DATE :	04.09.2014
SCALE :	1:400@A1
PROJECT No:	27-14-15
DRAWING No's:	24/24

STORMWATER DRAINAGE NOTES

ALL WORK IN ACCORDANCE WITH THE LOCAL GOVERNMENT ACT, COUNCIL'S STANDARD SPECIFICATION & CODES & TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.

THIS PLAN TO BE READ IN CONJUNCTION WITH PLANS PREPARED BY THE ARCITECTS AND STRCTURAL ENGINEER.

ALL LINES TO BE Ø100mm AT 1% MINIMUM GRADE UNLESS NOTED OTHERWISE ON PLAN.

INSTALL TEMPORARY SEDIMENT BARRIERS AROUND ALL INLET PITS TO DETAIL UNTIL SUROUNDING AREAS ARE PAVED OR TURFED.

CONTRACTOR IS TO VERIFY THE LOCATION & LEVEL OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF EXCAVATION FOR DRAINAGE.

ALL PITS TO BE BENCHED TO HALF PIPE SECTION AND TO HAVE GALVANISED STREEL GRATES AND SURROUNDS.

PIPE GRADES SHOWN ARE INDICATIVE MINIMUM AND TO BE LAID TO INVERT LEVELS AS SHOWN
REDUNTANT VEHICLE CROSSING ARE TO BE REMOVED AND REPLACED WITH INTERGRAL CONCRETE KERB AND GUTTER TO THE SATISFACTION OF COUNCIL.

PLANTER BOXES ARE TO BE LINED WITH 'BIDEM A24' PERMANENT GEOTEXTILE PABRIC.
CONNECT PLANTERS VIA FLOOR WASTES, TO STORMWATER DRAINAGE SYSTEM
BALCONIES ARE TO BE CONNECTED VIA FLOOR WASTES TO PROPOSED DRAINAGE SYSTEM
REINFORCEMENTS DETAILS ARE ACCORDING TO STRUCTURAL PLAN
REMOVAL OF ANY TREES MUST COMPLY WITH COUNCIL APPROVAL
CONSTRUCTION OF FOOTPATH AND/OR DRIVEWAY TO SATISFY COUNCIL STANDARDS

ABBREVIATED ROOF WATER RUNOFF CALCULATIONS

ARI = 1:100 yr.
I = 206.1mm/hr.
Tc = 6 mm.
C = 1
Q = CIA/3600 l/s
RUNOFF RATE FOR EACH CATCHMENT
AREAS AREA MARKED ON THE PLAN.

SYMBOLS & NOTATIONS

- STORMWATER DRAINAGE LINE
- GRATED INLET PIT
- G. DESIGNED GRATE LEVEL
- I. INVERT LEVEL OF PIPE
- DP DOWN PIPE Ø90mm OR 100x75mm
- RL REDUCED LEVEL (DESIGNED)
- SILT BARRIER FENCE
- SURFACE RUNOFF DIRECTION

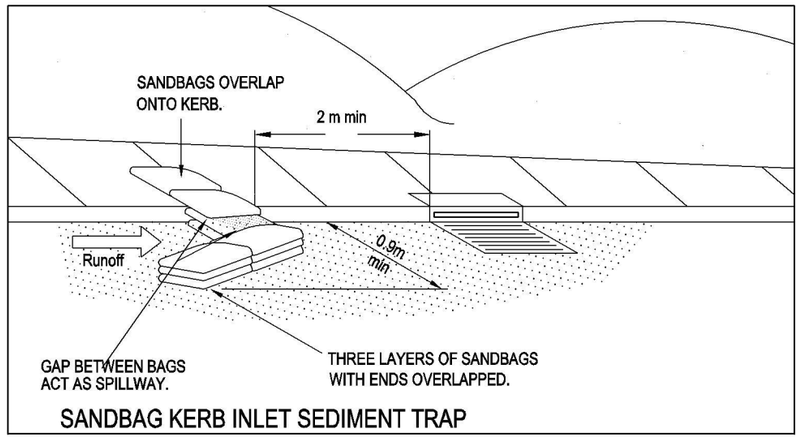
AREA CALCULATIONS

SITE AREA	:1686.20 Sqm
EXISTING SITE	
BUILDING	:285.50 Sqm
METAL SHED	:84.42 Sqm
W'BOARD SHED	:44.50 Sqm
GARAGE	:54.70 Sqm
METAL GARAGE	:84.70 Sqm
DRIVEWAYS	:213.20 Sqm
TOTAL IMPERVIOUS AREA	:767.02 Sqm
PERCENTAGE	:45.49%
PROPOSED SITE	
BUILDING	:1057.33 Sqm
DRIVEWAY	:50.40 Sqm
TOTAL IMPERVIOUS AREA	:1107.73 Sqm
PERCENTAGE	:65..70%
INCREASE OF IMP. AREA	:340.71 Sqm

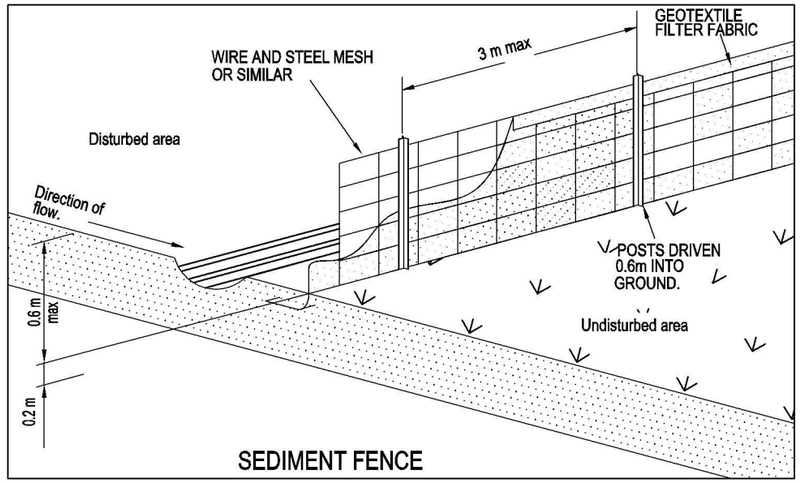
AS PER COUNCIL STORMWATER DCP FOLLOWING PLAN IS REQUIRED

STORMWATER MANAGEMENT PLAN

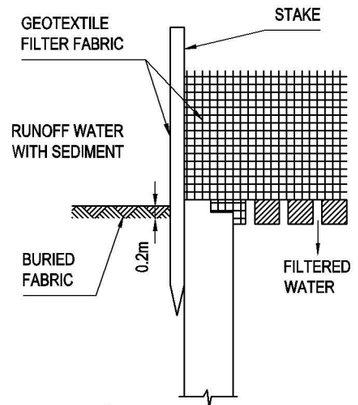
1. OSD
2. PUMPOUT SYSTEM FOR BASEMENT
3. INSTALLATION OF NEW PIPE SYSTEM



SANDBAG KERB INLET SEDIMENT TRAP



SEDIMENT FENCE



SEDIMENT BARRIER AROUND PIT

CONSTRUCTION NOTES

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE
2. SUPPORT GEOTEXTILE WITH MESH TIED TO POSTS AT 1000mm CENTRES.
3. DO NOT COVER INLET WITH GEOTEXTILE.
4. INSTALL & SUPPORY GEOTEXTILE AS PER SITE FENCE BARRIER DETAIL.

SILT FENCE BARRIER DETAIL

PROVIDE SILT FENCE AT BOUNDARY OF SITE AS SHOWN ON PLAN

DIAL 1100 BEFORE YOU DIG

FULL SEARCH OF UNDERGROUND SERVICES SHOULD BE UNDERTAKEN BEFORE COMMENCE OF ANY WORKS

EROSION & SEDIMENT CONTROL

1. Sediment control devices are to be in place prior to any demolition or contraction.
2. Construct a silt barrier fence where shown on plan and to details above.
3. Sediment control devices are to be maintained, in good working order, until completion of all site works or to the satis faction of Council's supervising officer.
4. Provide HAY BALE BARRIERS around all existing surface inlet pits during cons.
5. Install stabilised site access as per detail over.

IMPORTANT

All existing services shown on this plan are approximate location only.
The contractor is to verify the exact location and level of all existing services prior to commencement of excavation work for pipe laying.
The contractor is to meet the full cost to relocate or adjust Telstra, Energy Australia,Sydney water or Natural gasservices as required.

ISSUE:	DATE:	REVISIONS
A	28/03/15	ISSUED FOR DA

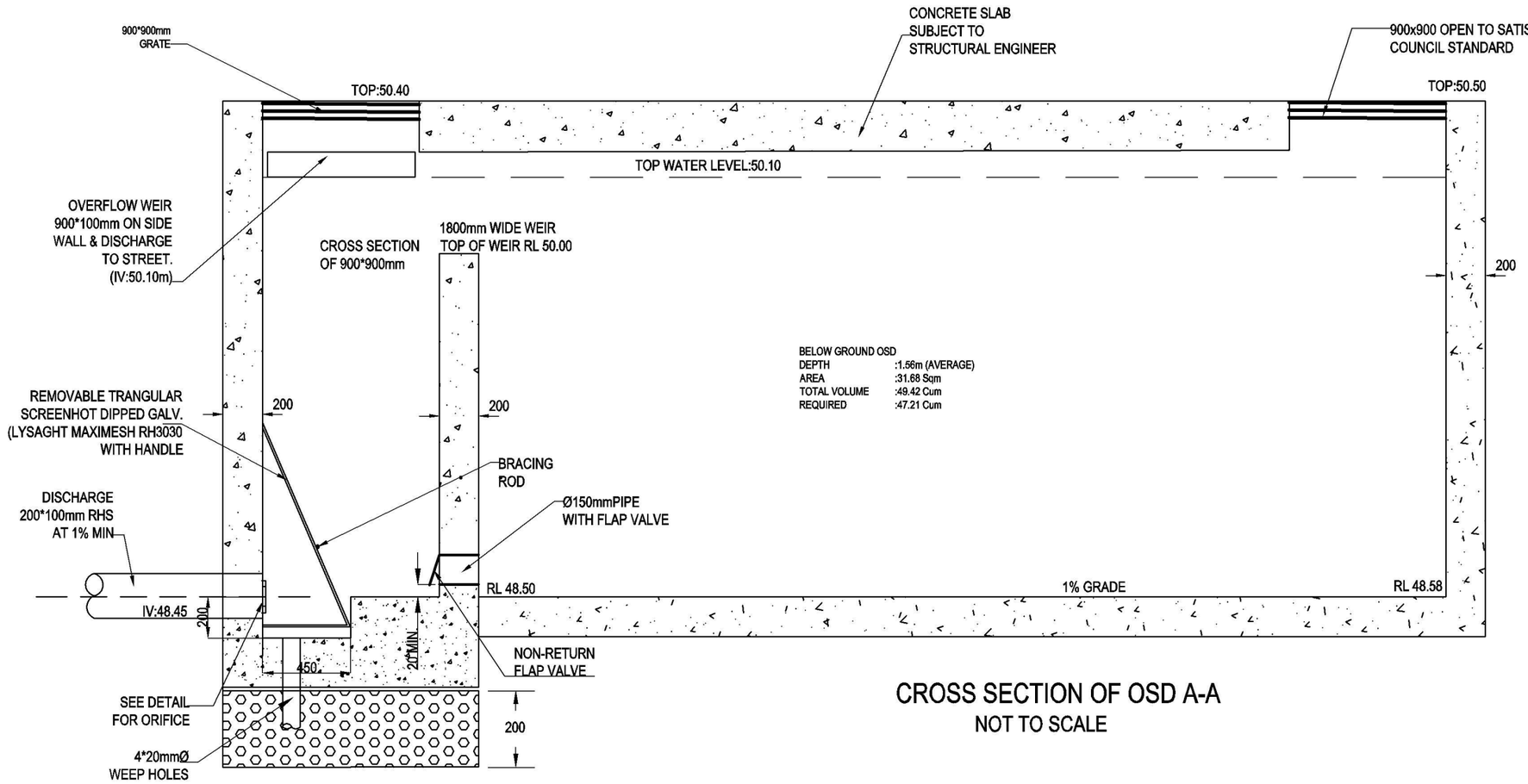
NASTASI & ASSOCIATES
CONSULTING CIVIL & STRUCTURAL ENGINEERS
B.E., M.I.E. AUST. CPENG NPER-3
ABN 45 533 226 008
UNIT 5, 1-3 WHYALLA PLACE, PRESTONS NSW 2170
PH: (02) 9607 2864 OR (02) 8798 5617 FAX: (02) 9731 2081
MOB: 0419 041 401

APPROVED:
S. NASTASI
B.E.,M.I.E. AUST, CPENG

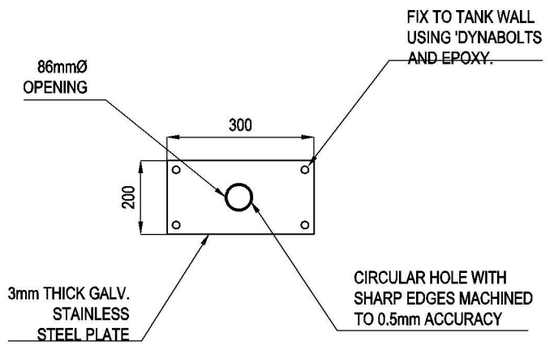
CLIENT: SIMON ELIAS
CLIENT No: 5788
PROJECT: 41-43 BARBER AVENUE PENRITH

TITLE: STORMWATER AND SEDIMENT MANAGEMENT PLAN

ISSUED FOR CONSTRUCTION
DRAWN: MM
DATE: 28/03/15
SCALE: AS NOTED
JOB No: 5788
SHEET No: 02 OF 07



CROSS SECTION OF OSD A-A
NOT TO SCALE



ORIFICE PLATE
(NOT TO SCALE)

SEE SHEET 4 FOR STORMWATER FILTER AND INTERNL SECTION DETAILS AND FOR MORE DETAILS PLEASE VISIT www.stormwater360.com.au OR CALL 1300 354 722 FOR INSTALLATION OF STORMWATER FILTER AND MAINTENANCE

OSD CALCULATIONS

SITE AREA	=1686.20 Sq.m
AREA TO OSD	:1686.20 Sqm
AS PER COUNCIL STORMWATER MANUAL	
PSD	:120 lit/sec/hac
SSR	:280 m^3/hac
PSD	:20.23 lit/sec
SSR	:47.21 m^3
AS DETAILED IN PLAN	
OSD AREA	:31.68 Sqm
TOTAL VOLUME PROVIDED	:49.42 m^3
TOP WATER LEVEL	:50.10 m
ORIFICE CENTRELINE	:48.50 m
ORIFICE(SINGLE)	:86 mm

THIS IS AN
ON SITE STORMWATER
DETENTION SYSTEM

REQUIRED BY COUNCIL

IT IS AN OFFENSE TO REDUCE THE VOLUME OF THE TANK/BASIN OR TO INTERFERE WITH THE ORIFICE PLATE THAT CONTROL THE FLOW

THE BASIN OF THE OUTLET CONTROL PIT AND THE DEBRIS SCREEN MUST BE CLEANED OF DEBRIS AND SEDIMENT ON A REGULAR BASIC BY THE OWNER

THIS PLATE MUST NOT BE REMOVED

ISSUE:	DATE:	REVISIONS
A	28/03/15	ISSUED FOR DA

NASTASI & ASSOCIATES
CONSULTING CIVIL & STRUCTURAL ENGINEERS
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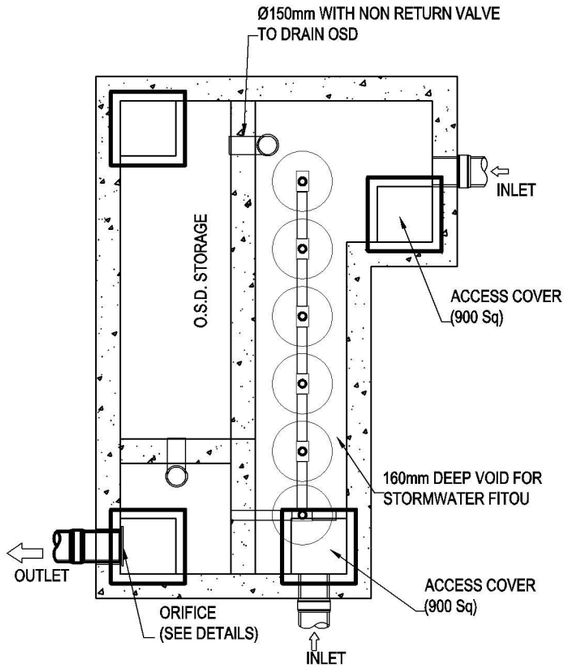
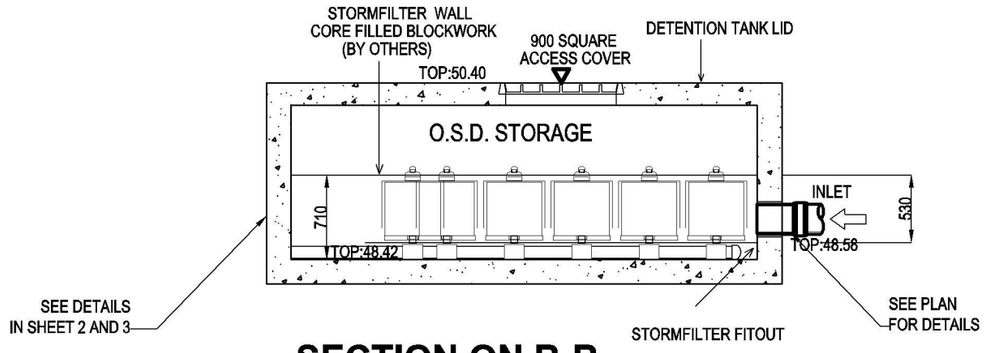
SHEET No: 03 OF 07



PLAN LAYOUT

(NOT TO SCALE)

PLEASE VISIT
www.stormwater360.com.au
OR
CALL 1300 354 722
FOR INSTALLATION OF STORMWATER
FILTER AND MAINTENANCE



SECTION ON B-B

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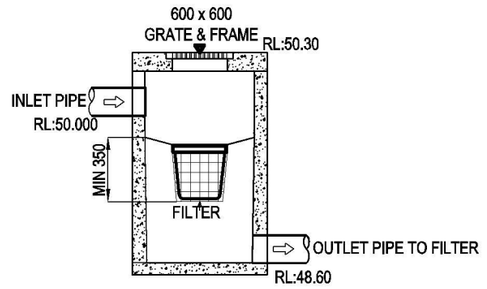
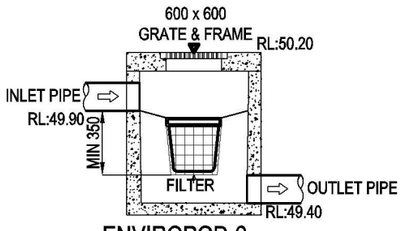
9. CARTRIDGE HEIGHT AND ASSOCIATED DESIGN PARAMETERS PER STORMFILTER DESIGN TABLE.
10. STORMFILTER BY STORMWATER360: SYDNEY (AU) PHONE: 1300 354 722 www.stormwater360.com.au



ENVIROPOD-1

(NOT TO SCALE)



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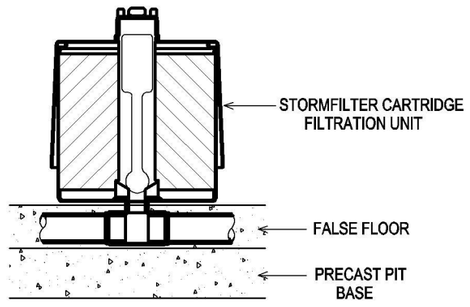

STORMFILTER
CARTRIDGE DETAIL

(NOT TO SCALE)

ISSUE:	DATE:	REVISIONS
A	28/03/15	ISSUED FOR DA

NASTASI & ASSOCIATES
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MOB: 0419 041 401

APPROVED:

S. NASTASI
B.E.,M.I.E. AUST, CPENG

CLIENT: SIMON ELIAS

CLIENT No: 5788

PROJECT: 41-43 BARBER AVENUE
PENRITH

TITLE: STORMWATER AND SEDIMENT MANAGEMENT PLAN

ISSUED FOR CONSTRUCTION

DRAWN: MM

DATE: 28/03/15

SCALE: AS NOTED

JOB No: 5788

SHEET No: 04 OF 07

WARNING:
PUMP OUT SYSTEM FAILURE IN BASEMENT WHEN LIGHT IS FLASHING AND SIREN SOUNDING

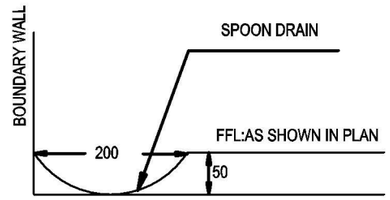
BASEMENT PUMPOUT FAILURE WARNING SIGN

NOTE:
1- SIGN SHALL BE PLACED IN A CLEAR AND VISIBLE LOCATION WHERE VEHICLES ENTER THE BASEMENT

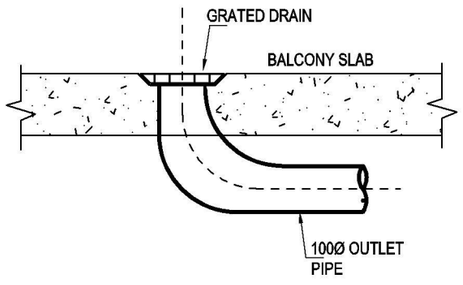
COLOUR:
WARINING : RED
BORDER AND LETTERING : BLACK

SUBSOIL DRAINAGE SYSTEM AS PER SECTION 6, AS3500.3-1990

DESIGN AND CONSTRUCTION OF SUBSOIL DRAINAGE AS PER AS3500.3-1990

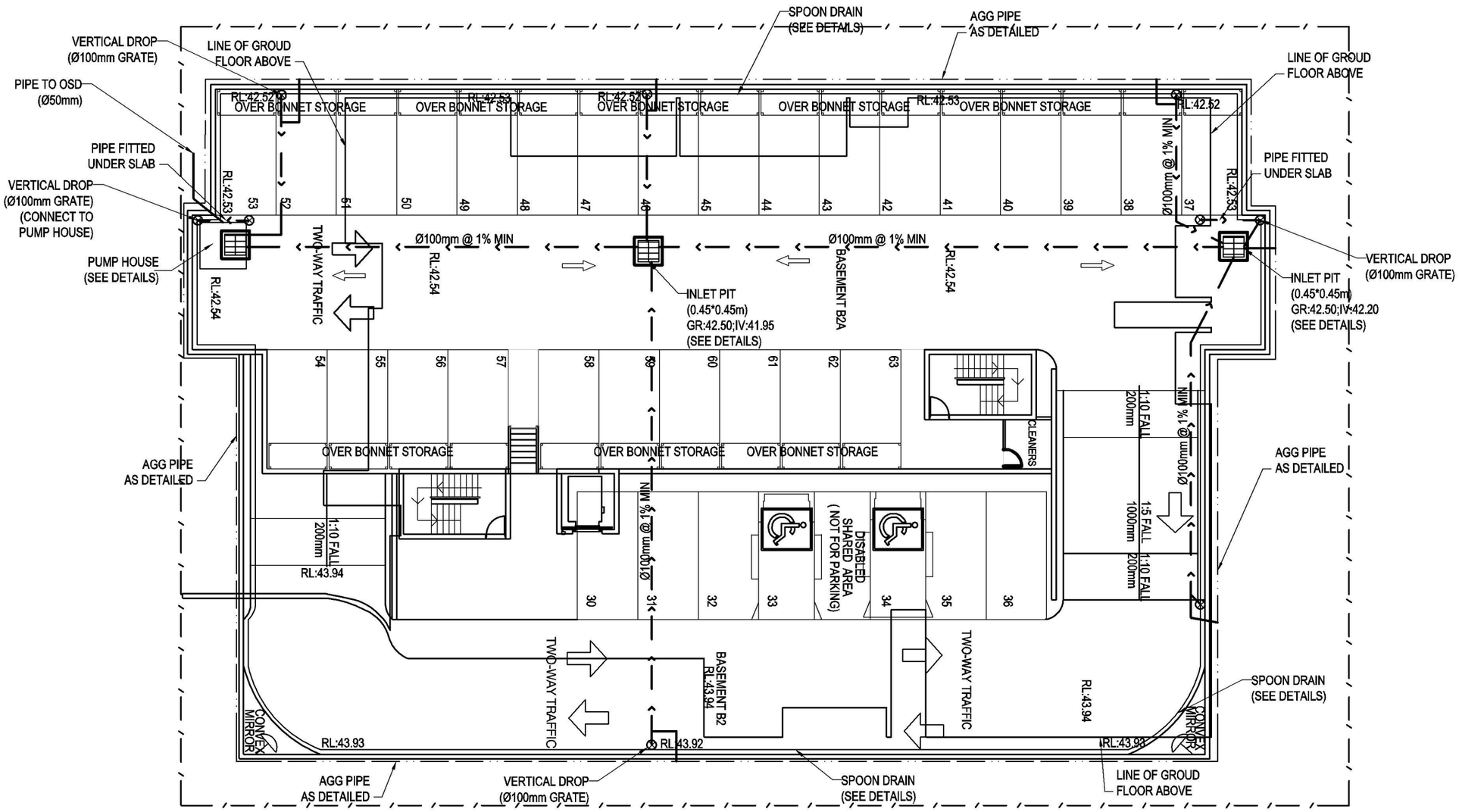


SECTION OF SPOON DRAIN
SCALE N.T.S.



GRATED OUTLET ON BALCONY
(NOT TO SCALE)

DIAL 1100 BEFORE YOU DIG



STORMWATER MANAGEMENT PLAN–LOWER BASEMENT
SCALE 1 : 200 IN A1

SUBSOIL DRAINAGE SYSTEM AS PER SECTION 6, AS3500.3-1990

DESIGN AND CONSTRUCTION OF SUBSOIL DRAINAGE AS PER AS3500.3-1990

DESIGN AND LAYOUT OF PARKING AS PER AS2890.1-2004

FULL SEARCH OF UNDERGROUND SERVICES SHOULD BE UNDERTAKEN BEFORE COMMENCE OF ANY WORKS

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APPROVED:
S. NASTASI
B.E.,M.I.E. AUST, CPENG

CLIENT: SIMON ELIAS
CLIENT No: 5788
PROJECT: 41-43 BARBER AVENUE PENRITH

TITLE: STORMWATER AND SEDIMENT MANAGEMENT PLAN

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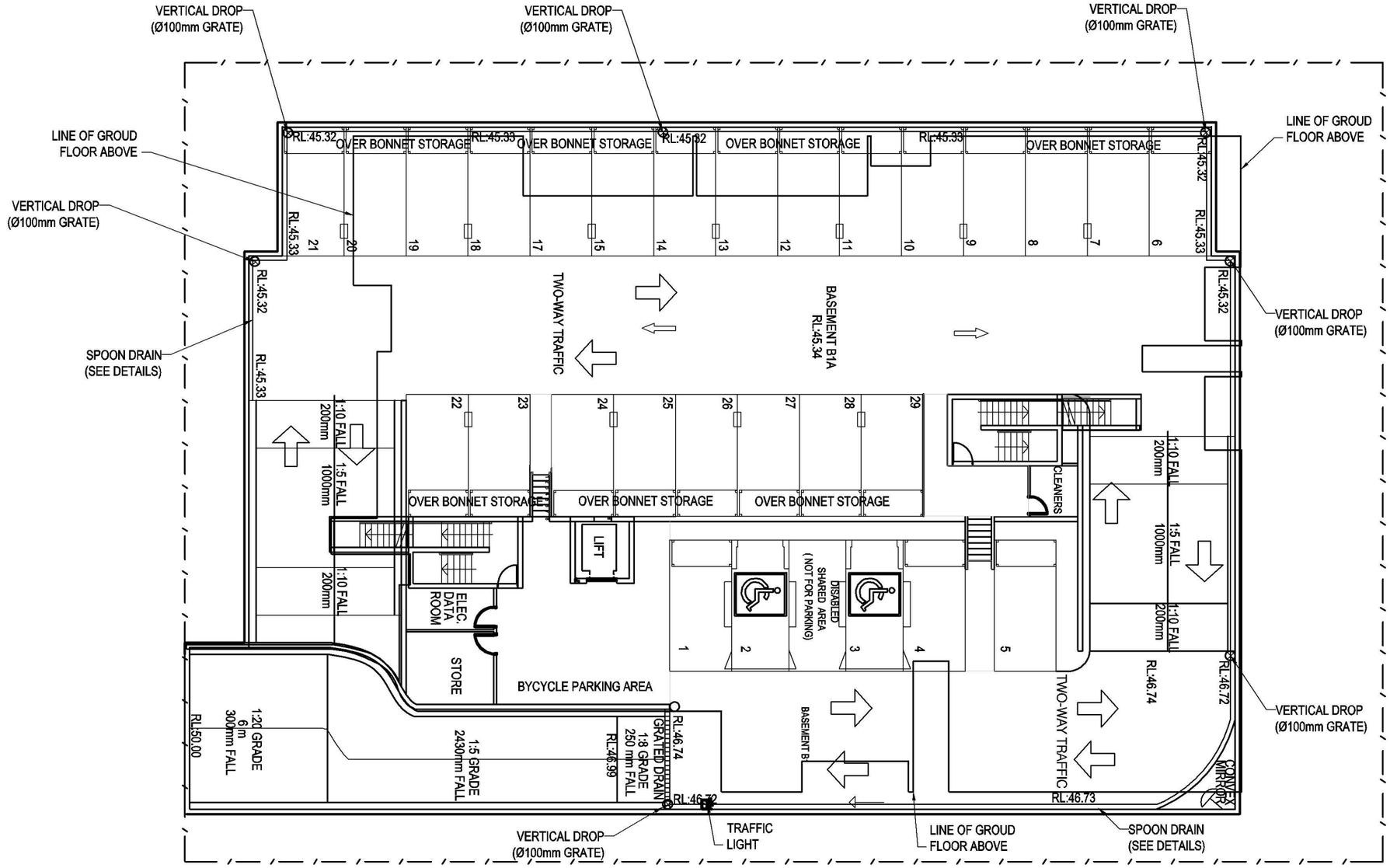
DRAWN: MM
DATE: 28/03/15
SCALE: AS NOTED
JOB No: 5788
SHEET No: 05 OF 07

DIAL 1100
BEFORE YOU DIG

FULL SEARCH OF UNDERGROUND SERVICES SHOULD BE UNDERTAKEN BEFORE COMMENCE OF ANY WORKS



STORMWATER MANAGEMENT PLAN–UPPER BASEMENT

SCALE 1 : 200 IN A1

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CLIENT: SIMON ELIAS

CLIENT No: 5788

PROJECT: 41-43 BARBER AVENUE
PENRITH

TITLE: STORMWATER AND SEDIMENT MANAGEMENT PLAN

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DRAWN: MM

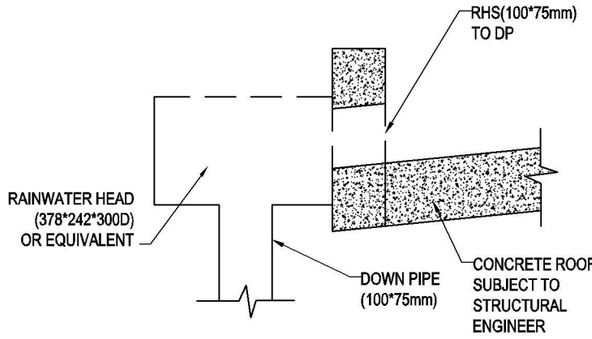
DATE: 28/03/15

SCALE: AS NOTED

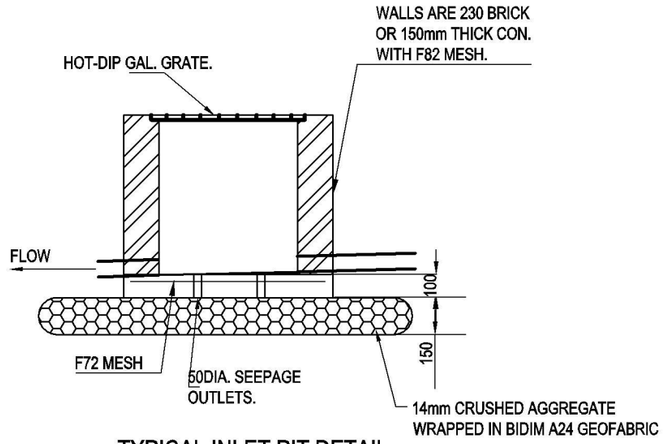
JOB No: 5788

SHEET No: 06 OF 07

FULL SEARCH OF UNDERGROUND SERVICES SHOULD BE UNDERTAKEN BEFORE COMMENCE OF ANY WORKS



DOWN PIPE CONNECTION
(NOT TO SCALE)



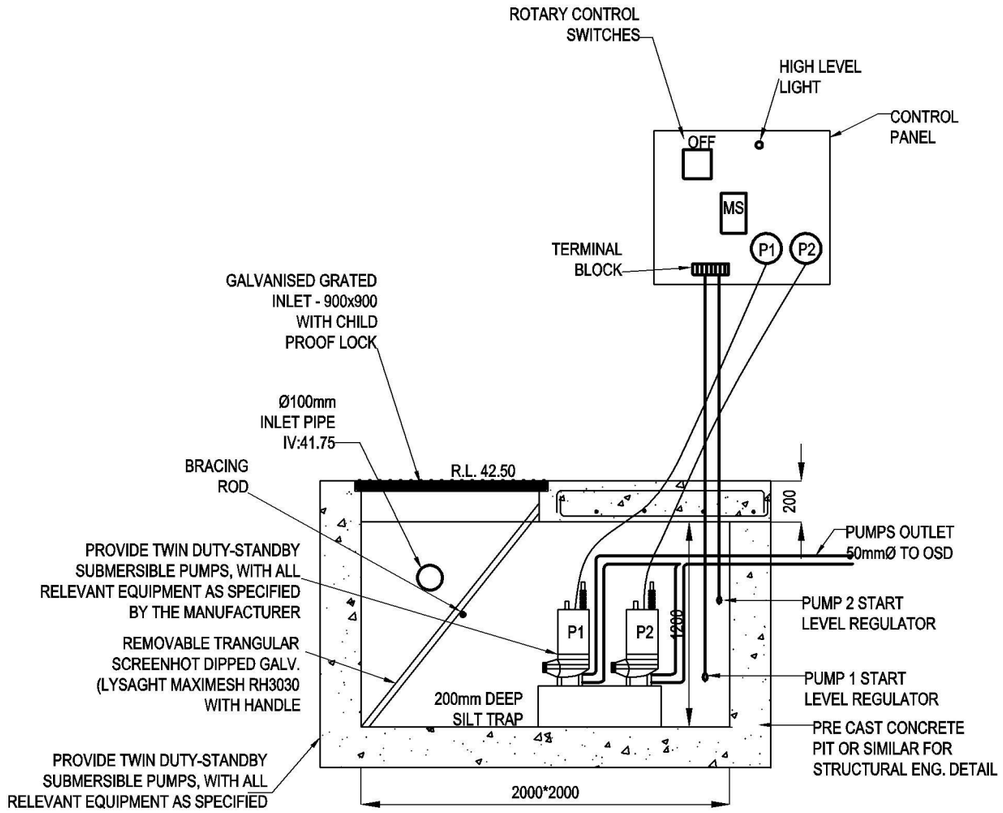
TYPICAL INLET PIT DETAIL
(NOT TO SCALE)

PUMP SPECIFICATIONS

STANDARD PUMP-OUT NOTES

THE PUMP-OUT SYSTEM IS DESIGNED TO WORK IN THE FOLLOWING MANNER -

THE PUMPS SHALL BE PROGRAMMED TO WORK ALTERNATELY SO AS TO ALLOW BOTH PUMPS TO HAVE EQUAL OPERATION LOAD & PUMP LIFE.
A LOW LEVEL FLOAT SHALL BE PROVIDED TO ENSURE THAT THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND TANK. IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS.
A SECOND FLOAT SHALL BE PROVIDED AT A HIGHER LEVEL, APPROXIMATELY 300mm ABOVE THE MINIMUM WATER LEVEL, WHEREBY ONE OF THE PUMPS WILL OPERATE & DRAIN THE TANK TO THE LEVEL OF THE LOW LEVEL FLOAT.
A THIRD FLOAT SHALL BE PROVIDED AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE ROOF LEVEL OF THE BELOW GROUND TANK. THIS FLOAT SHOULD START THE OTHER PUMP THAT IS NOT OPERATING & ACTIVATE THE ALARM.
AN ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBE LIGHT & A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL. THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.



PUMP/SUMP TANK DETAIL
(UNDERGROUND CARPARK)
(NTS)

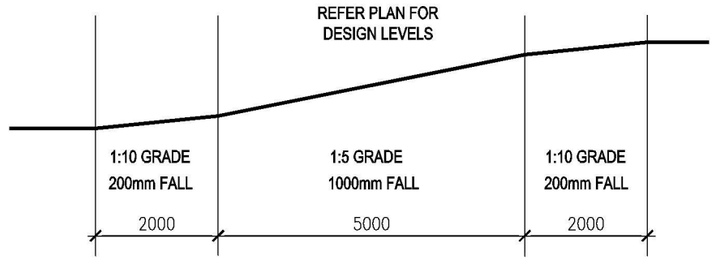
PUMPS TO BE REGULARLY INSPECTED AND SERVICED

WARNING:
PUMP OUT SYSTEM FAILURE IN BASEMENT WHEN LIGHT IS FLASHING AND SIREN SOUNDING

BASEMENT PUMPOUT FAILURE WARNING SIGN

NOTE:
1- SIGN SHALL BE PLACED IN A CLEAR AND VISIBLE LOCATION WHERE VEHICLES ENTER THE BASEMENT

COLOUR:
WARINING : RED
BORDER AND LETTERING : BLACK



RAMP DETAIL
NOT TO SCALE

PUMP WELL DETAILS

SUMP SIZE AND PUMP SIZE BASE ON 100 YEAR 90 MIN STORM INTENSITY IS 52.60 mm/hr
DRIVEWAY:50.40 Sqm
VOLUME=(50.40*52.60/3600)*90*60=3.98 m^3
STORAGE PROVIDED 2000x2000x1000 = 4.00 m^3
PUMP OUT RATE BASED ON 5 YR 60 MIN. STORM = 38.40mm/hr
PUMP RATE = 52.60*38.40/3600 = 0.56 lit/Sec (MIN)
DUAL PUMPS TO BE INSTALLED IN SUMP AND CONNECTED TO CONTROL PANEL WHICH WILL ALLOW FOR THE PUMPS TO ACT ALTERNATIVELY PUMPING 0.6 lit/sec AT 10 m HEAD (MIN)

NOTE: IN ORDER TO MAXIMISE VISIBILITY IN THE BASEMENT CAR PARKS, ALL BASEMENT CEILINGS ARE TO BE PAINTED WHITE

ALL THE BASEMENT WALLS TO BE WATERPROOFED AND PROVIDE AGG LINES AND SPOON DRAIN TO REMOVE SEEPAGE WATER.

PROVIDE TWIN DUTY-STANDBY SUBMERSIBLE PUMPS, WITH ALL RELEVANT EQUIPMENT AS SPECIFIED BY MANUFACTURER

ISSUE:	DATE:	REVISIONS
A	28/03/15	ISSUED FOR DA

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APPROVED:

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B.E.,M.I.E. AUST, CPENG

CLIENT: SIMON ELIAS
CLIENT No: 5788
PROJECT: 41-43 BARBER AVENUE
PENRITH

TITLE: STORMWATER AND SEDIMENT MANAGEMENT PLAN

ISSUED FOR CONSTRUCTION
DRAWN: MM
DATE: 28/03/15
SCALE: AS NOTED
JOB No: 5788
SHEET No: 07 OF 07

WARNING.

1. Plan compiled from information at land title office as regards dimensions and these are subject to final survey.
2. All details and features shown hereon have been plotted in relation to the occupations (fences and/or wall, etc.) These occupations have not yet accurately located in relation to the boundaries.
3. The details and features and contours are shown to scale plot accuracy only, copying may distort the scale
4. Services structures shown hereon are those that were visible at the time of survey and have been located by field survey. Further services may be present prior to any construction or excavation on site the relevant authorities should be contacted for possible location of further underground services and detailed of all services
5. No boundary has been surveyed.

DETAIL SURVEY

41-43 BARBER STREET
LOT 30 -31 SEC 20 DP 2296
PENRITH

NOTE: ORIGIN OF A.H.D IS PM 41909 RL. 49.83 A.H.D

CEDAR SURVEYING SERVICES

LAND AND ENGINEERING SURVEYING

DANNY KHALAF

B. GEOMATIC ENGINEERING (U.N.S.W)

postal address.

26 ISABEL STREET.

BELMORE NSW 2192

MOBILE. 0410 435 762

Email : dannykhalaf@optusnet.com.au

REDUCTION RATIO : 1:100		DATE : 17/11/2014	
CONTOUR INTERVAL : 0.2m			
DRAWING : CCAD5/DATA/3100		JOB NO : 3100	
DATUM : A.H.D	SURVEYED BY : DK DATE 10/11/2014	DRAWN BY : DK DATE 16/11/2014	ABN 19403440563
SHEET : 1 OF 1			

41-43 PROPOSED RESIDENTIAL FLAT BUILDING

BARBER AVENUE ~ PENRITH ~ NSW ~ 2750

LOCALITY PLAN : NTS

Development Application Submission

DEVELOPER

ELCON DEVELOPMENTS PTY LTD

CONSULTANTS

Project Architect: Mr Simon Ochudzawa MAIA 6865
JS Architects Pty Ltd - Tel: 8814 6991
Project Manager:
JS Architects Pty Ltd - Tel: 8814 6991
Acoustic Engineers:

Traffic Engineers:

Stormwater Engineers:

Planners:

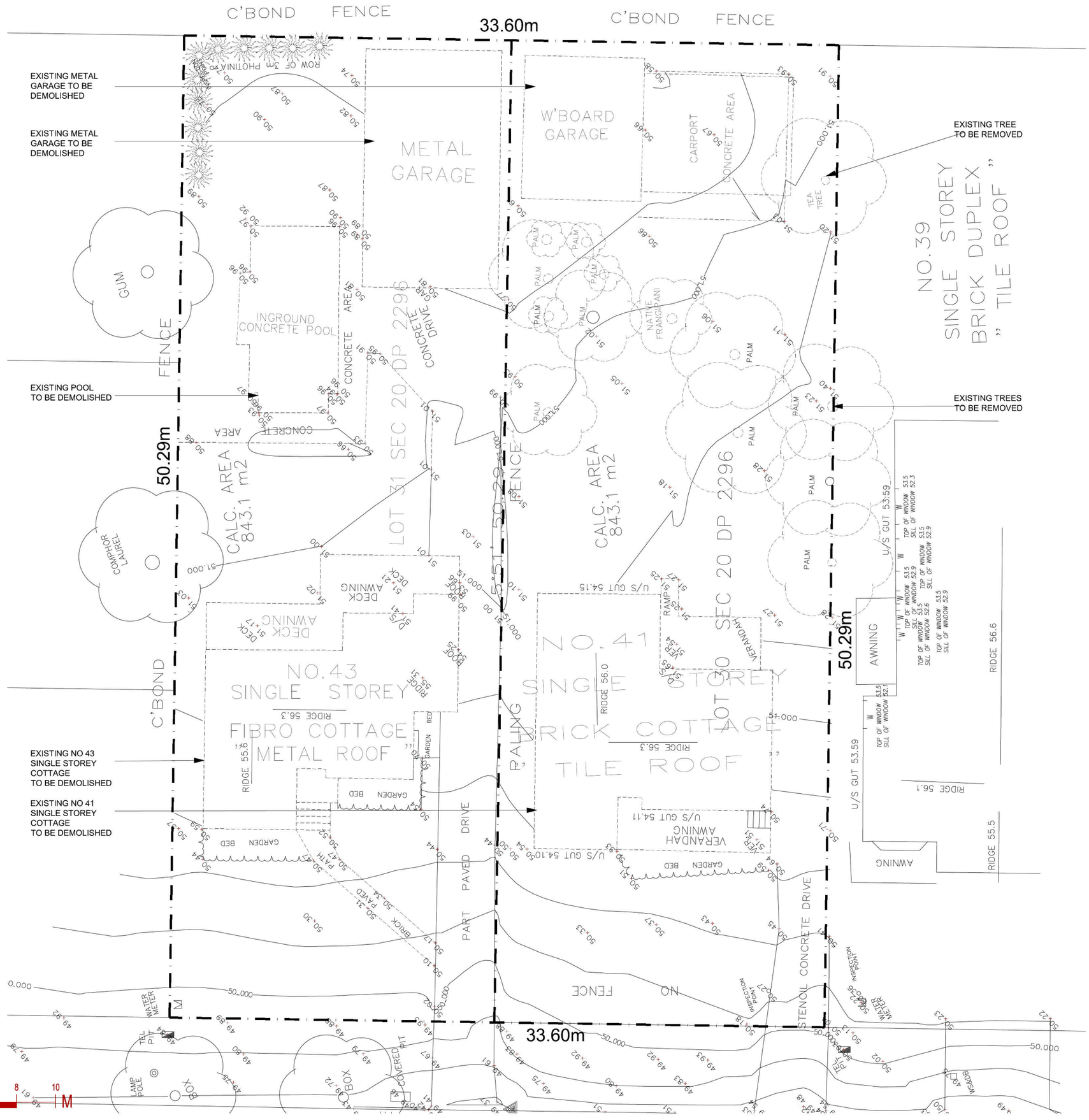
Landscape Architects:
Ray Fuggle & Associates Tel: (02) 9891 9222

ARCHITECTURAL DRAWINGS

DA-01	Demolition Plan	ISSUE - A
DA-02	Site Plan/ Site Analysis	ISSUE - A
DA-03	Basement Level 1	ISSUE - A
DA-04	Basement Level 2	ISSUE - A
DA-05	Ground Floor Plan	ISSUE - A
DA-06	Level 1-3 Floor Plan	ISSUE - A
DA-07	Level 3-5 Floor Plan	ISSUE - A
DA-08	Roof Plan	ISSUE - A
DA-09	South West Elevation	ISSUE - A
DA-10	North East Elevation	ISSUE - A
DA-11	South East Elevation	ISSUE - A
DA-12	North West Elevation	ISSUE - A
DA-13	Section A-A	ISSUE - A
DA-14	Section B-B /CC/ Design Calculation Data	ISSUE - A
DA-15	Furniture Layout Plan (Ground floor)	ISSUE - A
DA-16	Furniture Layout Plan (Level 1-3)	ISSUE - A
DA-17	Furniture Layout Plan (Level 3-5)	ISSUE - A
DA-18	Solar Access	ISSUE - A
DA-19	Cross Ventilation	ISSUE - A
DA-20	Adaptable Unit Layout	ISSUE - A
DA-21	Adaptable Unit Layout	ISSUE - A
DA-22	Sediment & Erosion Control Plan	ISSUE - A
DA-23	Solar Shadows June 21st 9am -3pm	ISSUE - A
DA-24	Solar Shadows June 21st 9am -3pm	ISSUE - A

SURVEYOR DRAWINGS

1 of 1	Site Detail Survey	ISSUE - A



1 DEMOLITION PLAN
SCALE 1:200 @ A3

2 1 0 2 4 6 8 10 M

REVISION :

No	AMENDMENTS	By	Date
A	DA SUBMISSION	WA	17.03.15

Architects Pty Ltd
ABN 78 118 945 575

ARCHITECTS INTERIORS LANDSCAPE PLANNING

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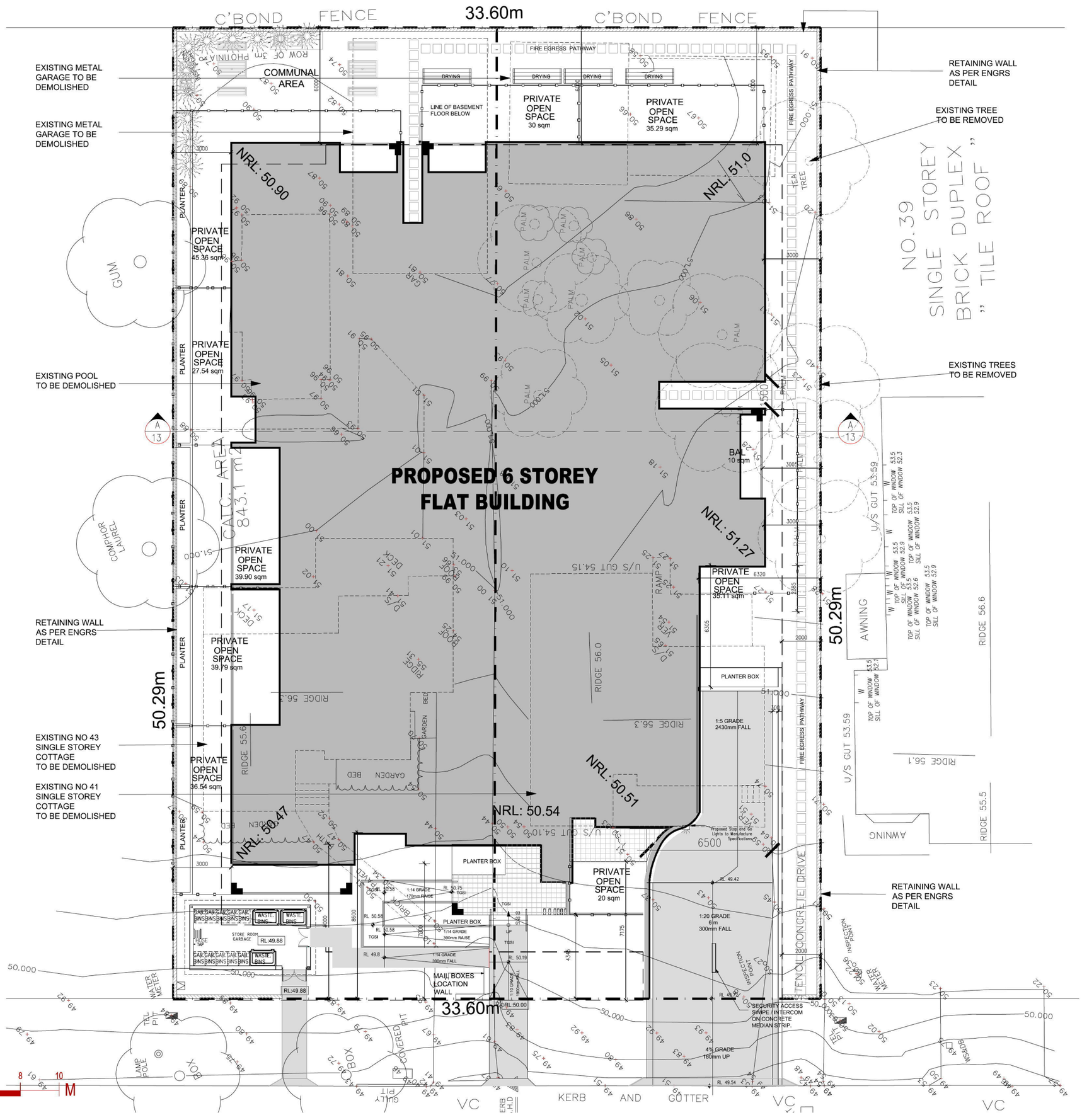
email: info @ jsarchitects.com.au web: www.jsarchitects.com.au

PROJECT :
PROPOSED FLAT DEVELOPMENT
41-43 BARBER AVENUE
PENRITH-NSW 2750

CLIENT :
SIMON ELIAS

DRAWING TITLE :
DEMOLITION PLAN

DRAWN :	WA
CHECKED :	SIMON OCHUDZAWA MAIA # 6865
DATE :	04.09.2014
SCALE :	1:100@A1
PROJECT No:	27-14-15
DRAWING No's:	01/24



2 SITE PLAN/ SITE ANALYSIS
SCALE 1:200 @ A3

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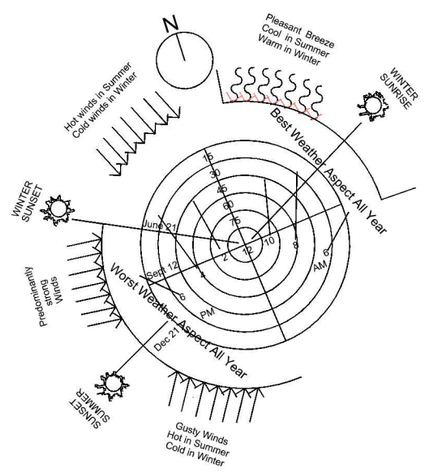
CLIMATIC SITE ANALYSIS



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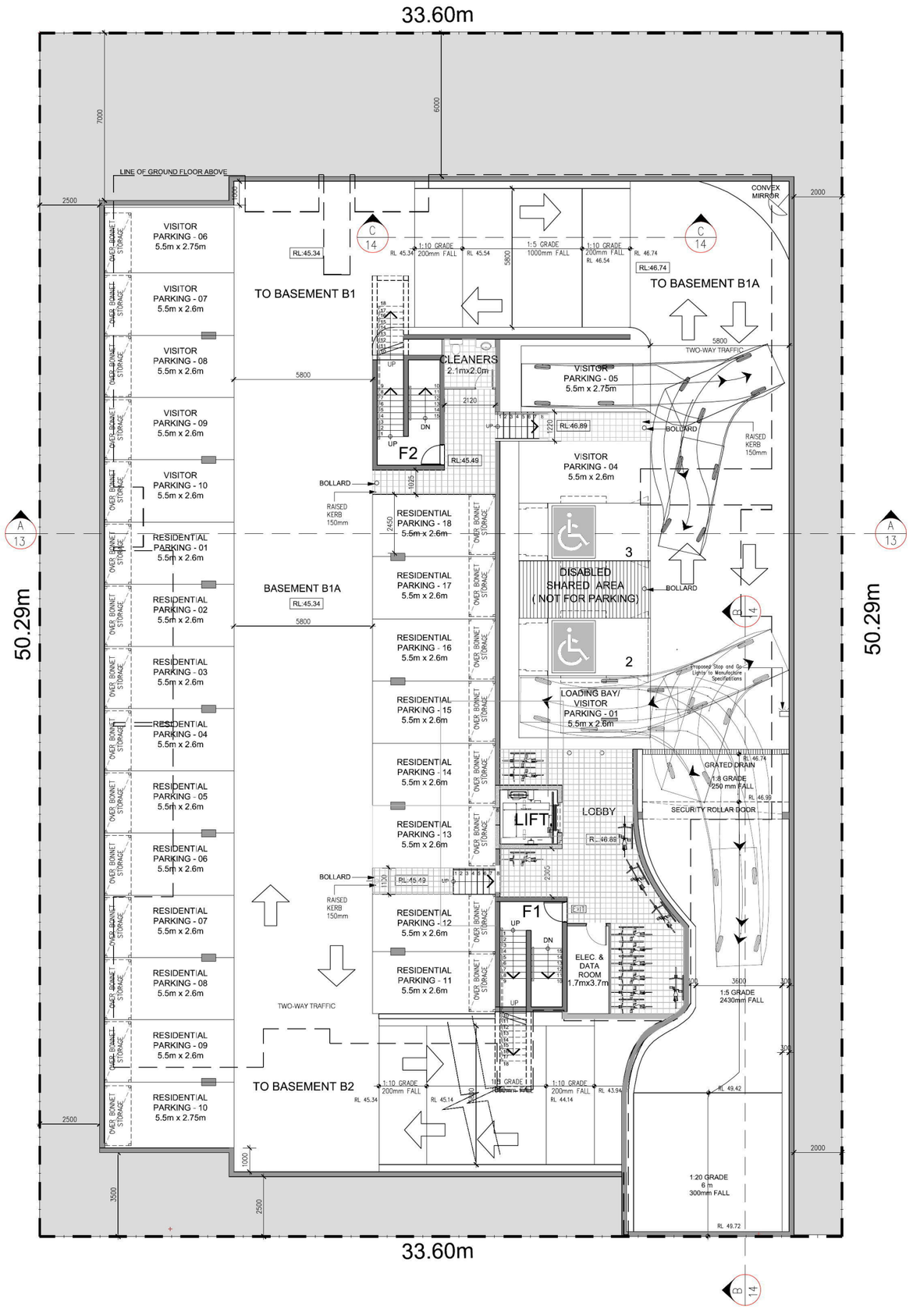
41-43 BARBER AVENUE
PENRITH-NSW 2750

CLIENT :
SIMON ELIAS

DRAWING TITLE :
SITE PLAN/ SITE ANALYSIS

DRAWN :	WA
CHECKED :	SIMON OCHUDZAWA MAIA # 6865
DATE :	04.09.2014
SCALE :	1:100@A1
PROJECT No:	27-14-15
DRAWING No's:	02/24



3 BASEMENT LEVEL 1 PLAN
SCALE 1:200 @ A3

2 1 0 2 4 6 8 10 M

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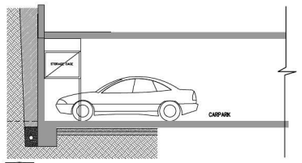

A SECTION
TYPICAL STORAGE DETAL @ END OF PARKING SPACE

STORAGE AREAS:

STORAGE AREA CALCULATION
10m3 PER UNIT
TOTAL UNITS PROPOSED= 53
TOTAL STORAGE REQUIRED= 53 x 10=530.00m^3
STORAGE AREA PROPOSED IN BASEMENT 119.00m^3

LEGEND BINS:

TYPE OF BINS:
G= GARBAGE,5x240Litre-(575x730X1060)mm
R= RECYCLING,5x360Litre-(580x875x1080)mm
W= WASTE BINS,3x660Litre(850x1370X1250)mm

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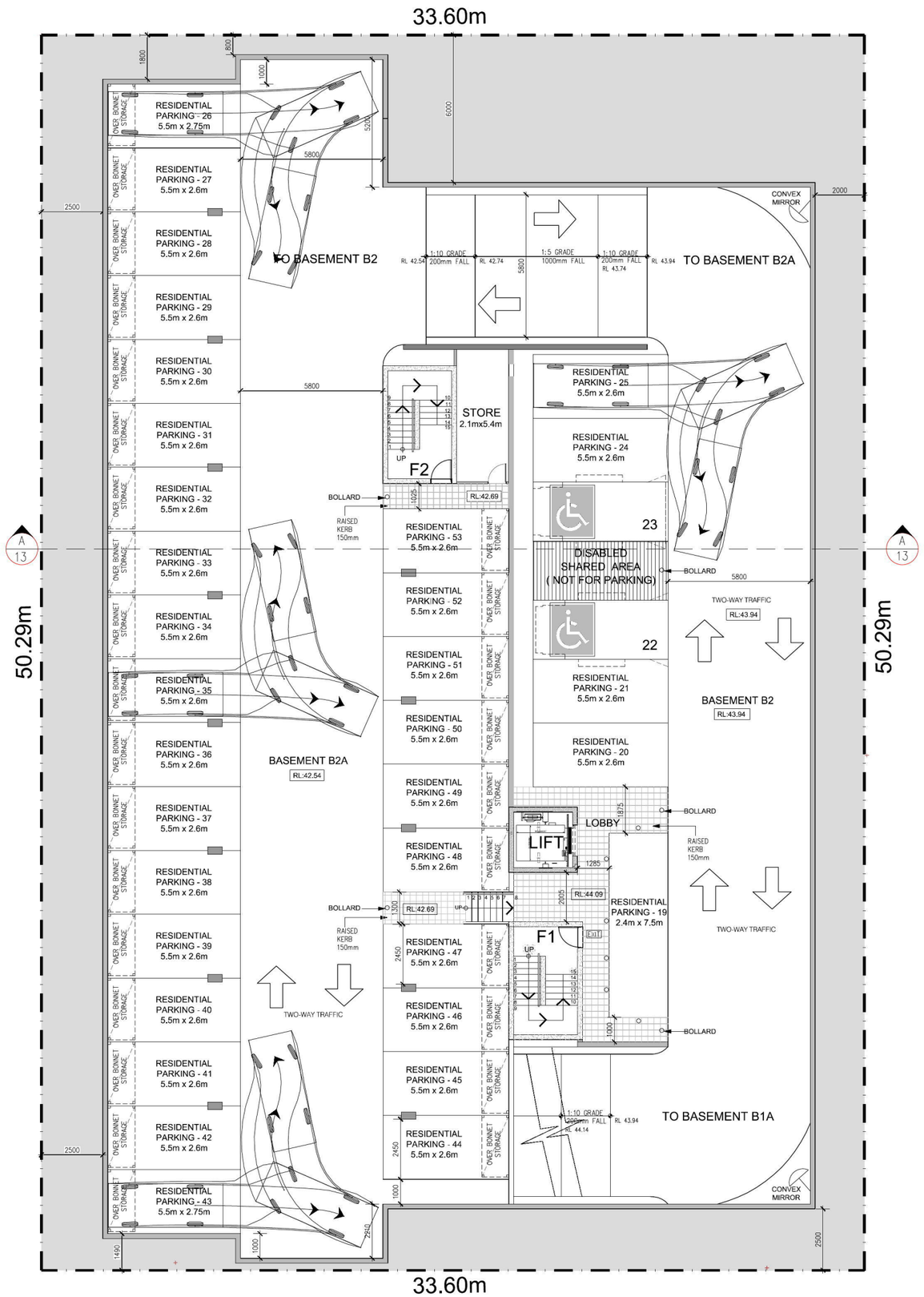
PROPOSED FLAT DEVELOPMENT
41-43 BARBER AVENUE
PENRITH-NSW 2750

CLIENT :
SIMON ELIAS

DRAWING TITLE :
BASEMENT LEVEL 1 PLAN

DRAWN :	WA
CHECKED :	SIMON OCHUDZAWA MAIA # 6865
DATE :	04.09.2014
SCALE :	1:100@A1
PROJECT No:	27-14-15
DRAWING No's:	03/24

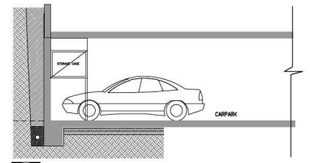


4 BASEMENT LEVEL 2 PLAN
SCALE 1:200 @ A3

2 1 0 2 4 6 8 10 M

REVISION :

No	AMENDMENTS	By	Date
A	DA SUBMISSION	WA	17.03.15



A SECTION
TYPICAL STORAGE DETAIL @ END OF PARKING SPACE

STORAGE AREAS:

STORAGE AREA CALCULATION
10m3 PER UNIT
TOTAL UNITS PROPOSED= 53
TOTAL STORAGE REQUIRED= 53 x 10=530.00m^3
STORAGE AREA PROPOSED IN BASEMENT 119.00m^3

LEGEND BINS:

TYPE OF BINS:
G= GARBAGE,5x240Litre-(575x730X1060)mm
R= RECYCLING,5x360Litre-(580x875x1080)mm
W= WASTE BINS,3x660Litre(850x1370X1250)mm

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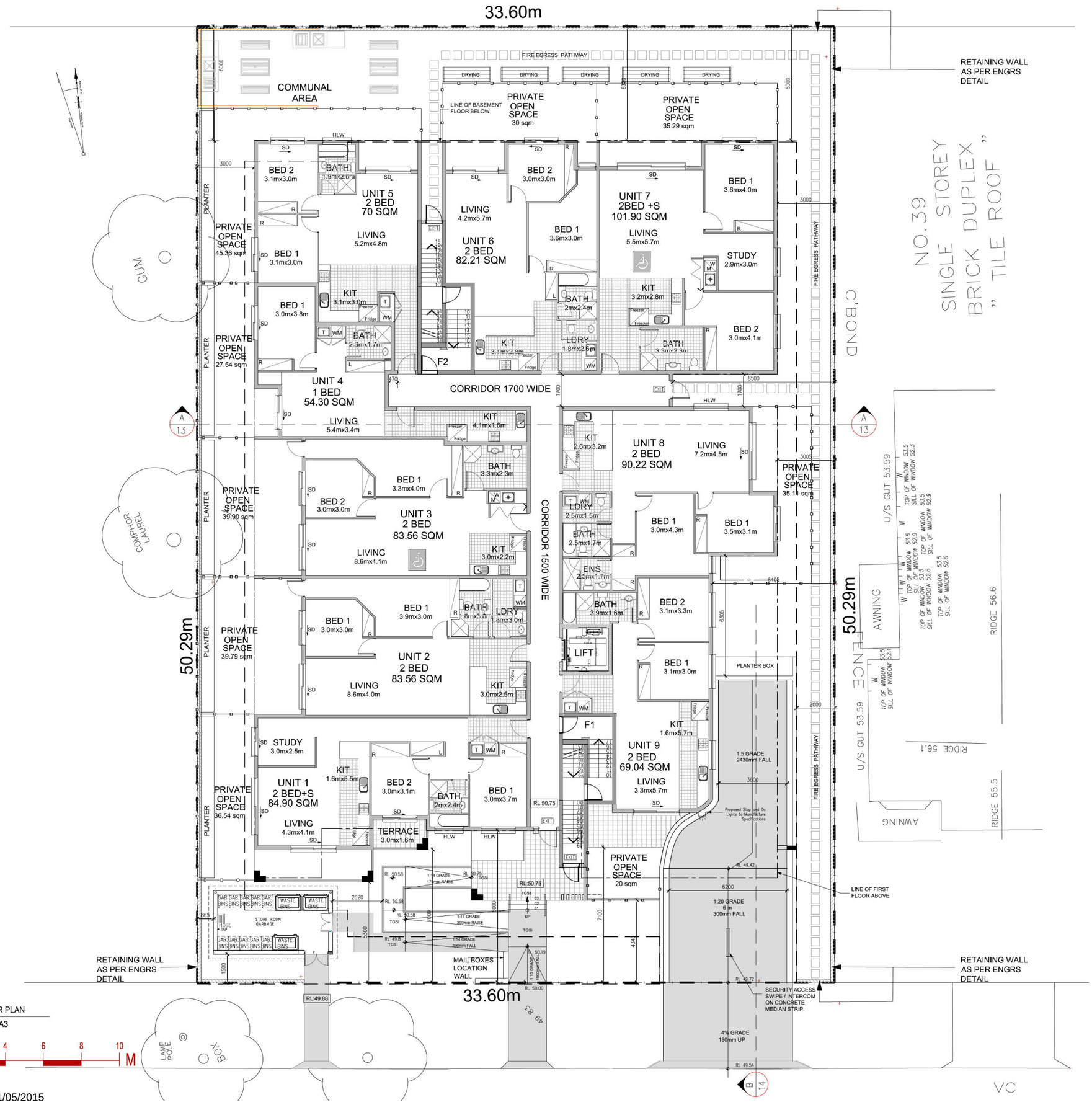
PENRITH-NSW 2750

CLIENT :
SIMON ELIAS

DRAWING TITLE :
BASEMENT LEVEL 2 PLAN

DRAWN :	WA
CHECKED :	SIMON OCHUDZAWA MAIA # 6865
DATE :	04.09.2014
SCALE :	1:100@A1
PROJECT No:	27-14-15
DRAWING No's:	04/24



5 GROUND FLOOR PLAN
SCALE 1:200 @ A3

2 1 0 2 4 6 8 10 M

REVISION :

No	AMENDMENTS	By	Date
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Architects Pty Ltd
ABN 78 118 945 570

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GROUND FLOOR PLAN

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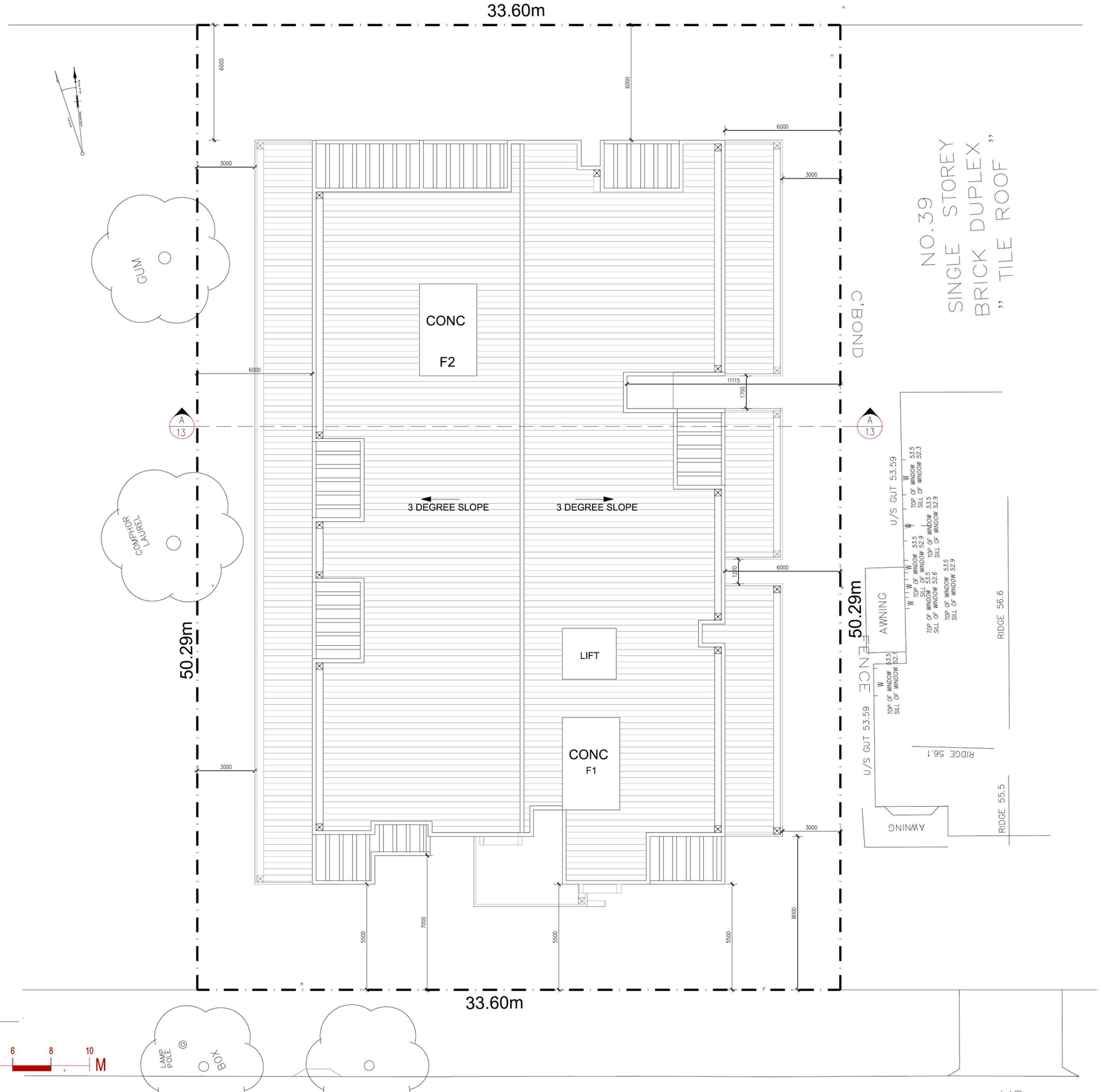
DATE :	04.09.2014
SCALE :	1:100@A1
PROJECT No:	27-14-15
DRAWING No's:	05/24



8 ROOF PLAN
SCALE 1:200 @ A3

2 1 0 2 4 6 8 10 M

REVISION :

No	AMENDMENTS	By	Date
A	DA SUBMISSION	WA	17.03.15

Architects Pty Ltd
ABN 70 118 946 575

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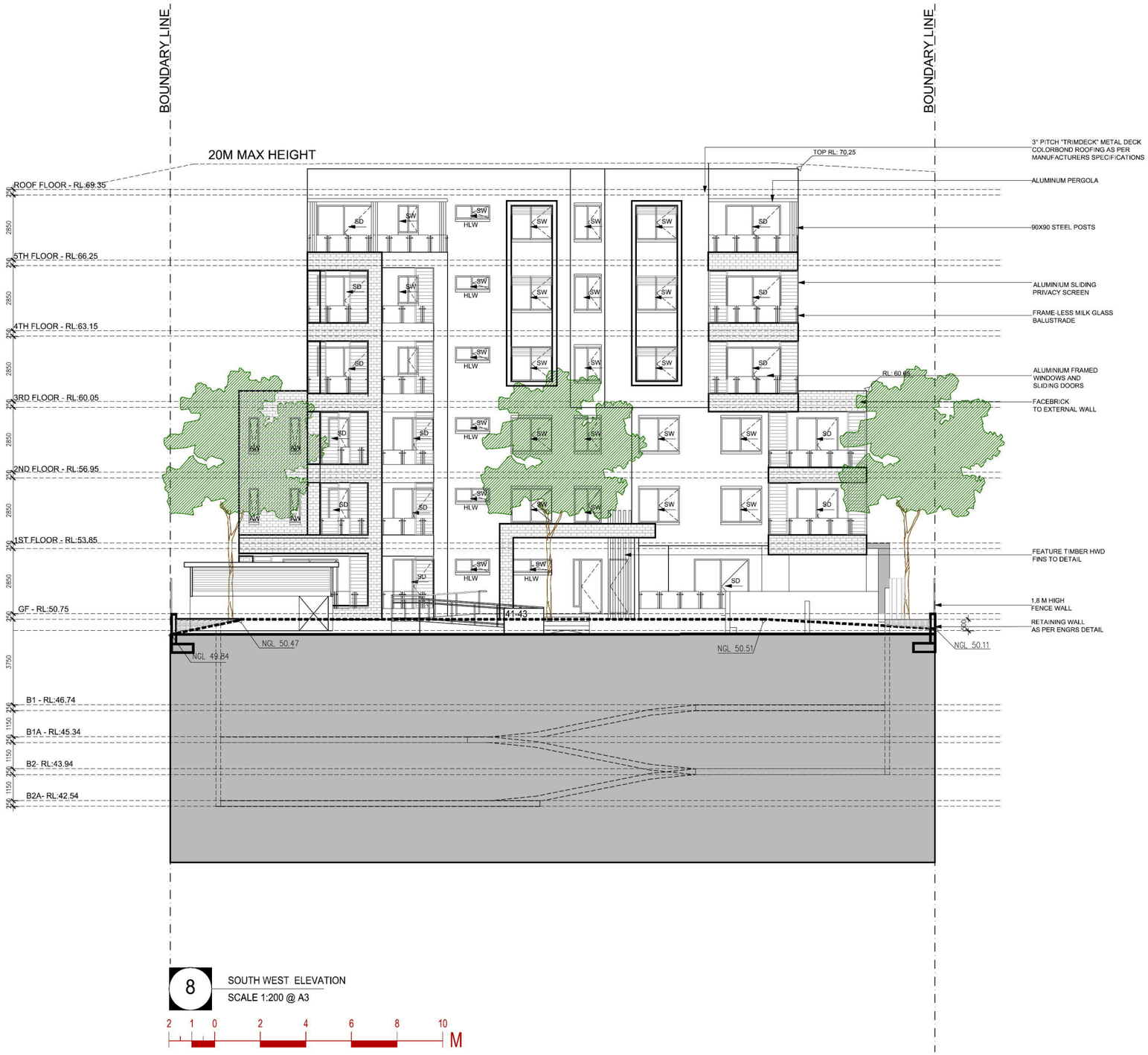
PROJECT :
PROPOSED FLAT DEVELOPMENT
41-43 BARBER AVENUE
PENRITH-NSW 2750

CLIENT :
SIMON ELIAS

DRAWING TITLE :
ROOF PLAN

DRAWN :	WA
CHECKED :	SIMON OCHUDZAWA MAIA # 6865
DATE :	04.09.2014
SCALE :	1:100@A1
PROJECT No:	27-14-15
DRAWING No's:	08/24



8 SOUTH WEST ELEVATION
SCALE 1:200 @ A3

2 1 0 2 4 6 8 10 M

REVISION :

No	AMENDMENTS	By	Date
A	DA SUBMISSION	WA	17.03.15

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DRAWING TITLE :
SOUTH WEST ELEVATION

DRAWN :	WA
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DATE :	04.09.2014
SCALE :	1:100@A1
PROJECT No:	27-14-15
DRAWING No's:	09/24

9 NORTH EAST ELEVATION

SCALE 1:200 @ A3

2 1 0 2 4 6 8 10 M

REVISION :

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CLIENT :
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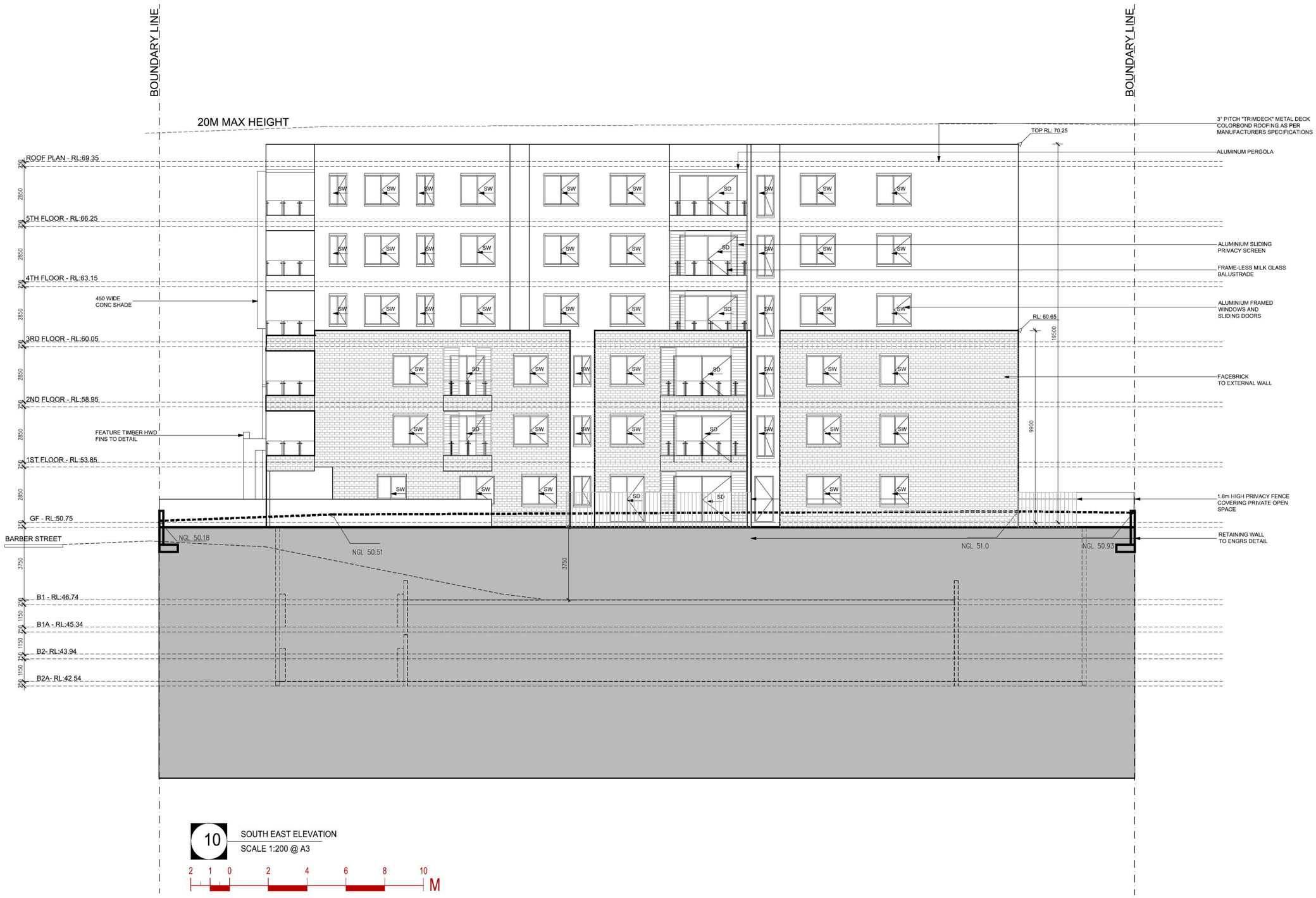
DRAWING TITLE :
NORTH EAST ELEVATION

DRAWN :	WA
CHECKED :	SIMON OCHUDZAWA MAIA # 6865
DATE :	04.09.2014
SCALE :	1:100@A1
PROJECT No:	27-14-15
DRAWING No's:	10/24



10 SOUTH EAST ELEVATION
SCALE 1:200 @ A3

2 1 0 2 4 6 8 10 M

REVISION :

No	AMENDMENTS	By	Date
A	DA SUBMISSION	WA	17.03.15

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CLIENT :
SIMON ELIAS

DRAWING TITLE :
SOUTH EAST ELEVATION

DRAWN :	WA
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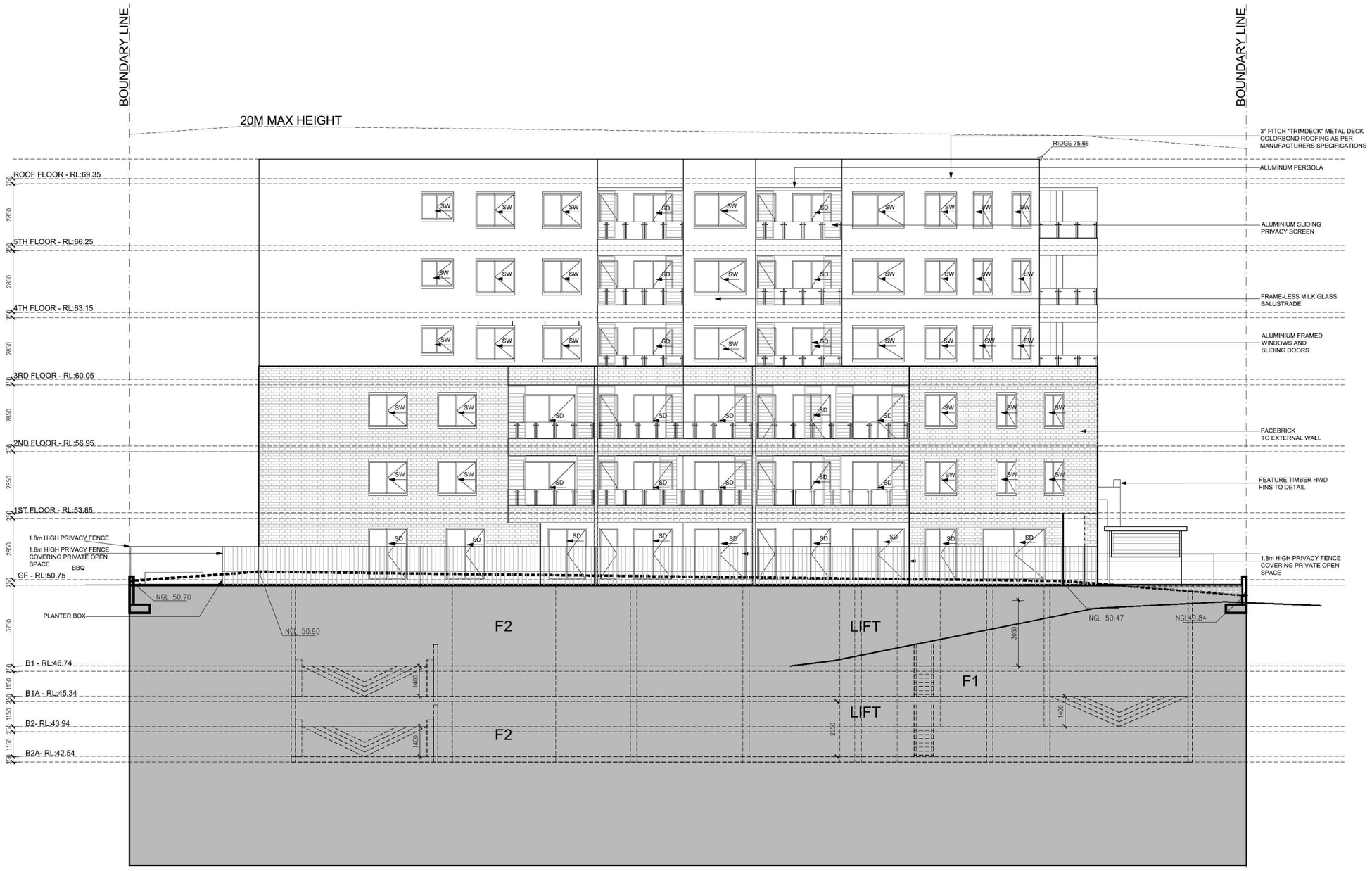
DATE :	04.09.2014
SCALE :	1:100@A1
PROJECT No:	27-14-15
DRAWING No's:	11/24



11 NORTH WEST ELEVATION
SCALE 1:200 @ A3

2 1 0 2 4 6 8 10 M

REVISION :

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DRAWING TITLE :
NORTH WEST ELEVATION

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DATE :	04.09.2014
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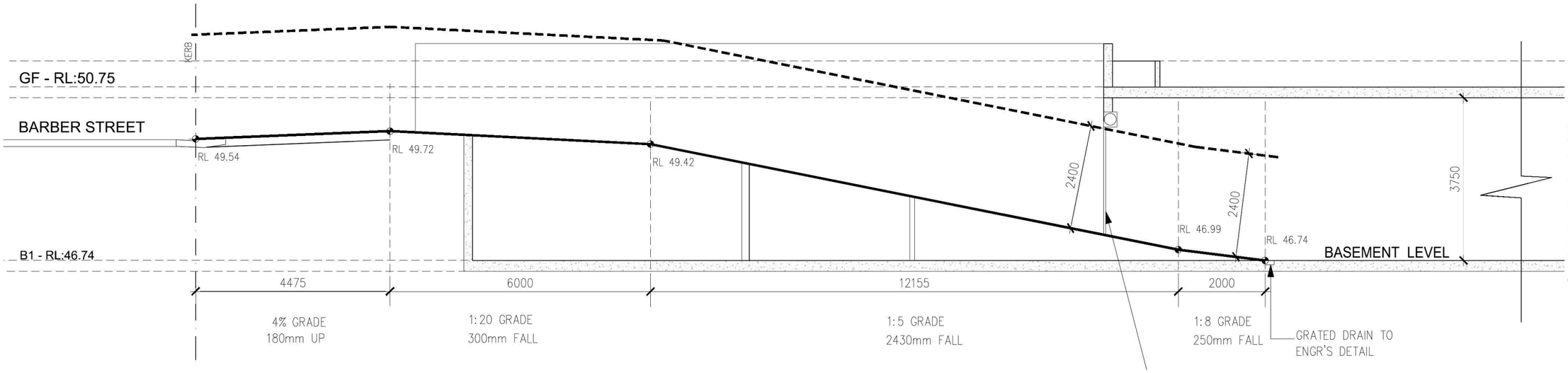
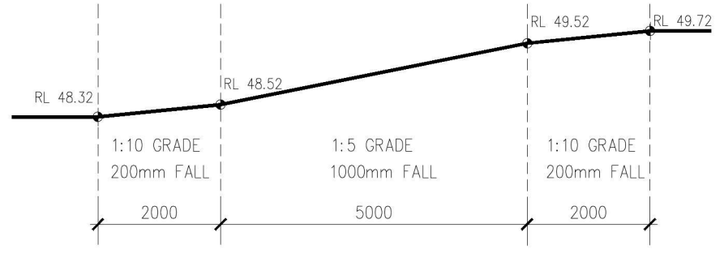
PROJECT No:	27-14-15
DRAWING No's:	12/24



13 SECTION B-B-DRIVEWAY PROFILE
SCALE 1:100 @ A3



14 SECTION C-C RAMP DETAIL
SCALE 1:100 @ A3

DESIGN CALCULATION DATA

	GROUND FLOOR									1ST FLOOR										2ND FLOOR									
UNIT NO	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	UNIT 6	UNIT 7	UNIT 8	UNIT 9	UNIT 1.1	UNIT 1.2	UNIT 1.3	UNIT 1.4	UNIT 1.5	UNIT 1.6	UNIT 1.7	UNIT 1.8	UNIT 1.9	UNIT 1.10	UNIT 2.1	UNIT 2.2	UNIT 2.3	UNIT 2.4	UNIT 2.5	UNIT 2.6	UNIT 2.7	UNIT 2.8	UNIT 2.9	UNIT 2.10
FLOOR AREA	84.90 s.q.m	83.56 s.q.m	83.56 s.q.m	54.30 s.q.m	70 s.q.m	82.21 s.q.m	101.90 s.q.m	90 s.q.m	69.04 s.q.m	86.68 s.q.m	83.56 s.q.m	82.13 s.q.m	47.15 s.q.m	67 s.q.m	85.33 s.q.m	94.96 s.q.m	85.30 s.q.m	51.48 s.q.m	70 s.q.m	86.68 s.q.m	83.56 s.q.m	82.13 s.q.m	47.15 s.q.m	67 s.q.m	85.33 s.q.m	94.96 s.q.m	85.30 s.q.m	51.48 s.q.m	70 s.q.m
BEDROOMS	2+S	2	2	1	2	2	2+S	2	2	2+S	2	2	1	2	2	2+S	2	1	2	2+S	2	2	1	2	2	2+S	2	1	2
BALCONY/TERRACE/ POS	36.54 s.q.m	39.79 s.q.m	39.90 s.q.m	27.54 s.q.m	45.36 s.q.m	30 s.q.m	35.29 s.q.m	35.11 s.q.m	20 s.q.m	10 s.q.m	18 s.q.m	18 s.q.m	10 s.q.m	10 s.q.m	10.96 s.q.m	13.38 s.q.m	11 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	18 s.q.m	18 s.q.m	10 s.q.m	10 s.q.m	10.96 s.q.m	13.38 s.q.m	11 s.q.m	10 s.q.m	10 s.q.m
LOBBY/ CORRIDOR	57.8 s.q.m									58.24 s.q.m										58.24 s.q.m									
AREA PER FLOOR	625 s.q.m									695 s.q.m										695 s.q.m									

	3RD FLOOR								4TH FLOOR								5TH FLOOR							
UNIT NO	UNIT 3.1	UNIT 3.2	UNIT 3.3	UNIT 3.4	UNIT 3.5	UNIT 3.6	UNIT 3.7	UNIT 3.8	UNIT 4.1	UNIT 4.2	UNIT 4.3	UNIT 4.4	UNIT 4.5	UNIT 4.6	UNIT 4.7	UNIT 4.8	UNIT 5.1	UNIT 5.2	UNIT 5.3	UNIT 5.4	UNIT 5.5	UNIT 5.6	UNIT 5.7	UNIT 5.8
FLOOR AREA	61.57 s.q.m	70 s.q.m	70 s.q.m	78.29 s.q.m	85.39 s.q.m	62.86 s.q.m	84.19 s.q.m	84.27 s.q.m	61.57 s.q.m	70 s.q.m	70 s.q.m	78.29 s.q.m	85.39 s.q.m	62.86 s.q.m	84.19 s.q.m	84.27 s.q.m	61.57 s.q.m	70 s.q.m	70 s.q.m	78.29 s.q.m	85.39 s.q.m	62.86 s.q.m	84.19 s.q.m	84.27 s.q.m
BEDROOMS	1+S	2	2	2	2	1+S	2+S	2	1+S	2	2	2	2	1+S	2+S	2	1+S	2	2	2	2	1+S	2+S	2
BALCONY/TERRACE/ POS	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m	10 s.q.m
LOBBY/ CORRIDOR	57.8 s.q.m								58.24 s.q.m								58.24 s.q.m							
AREA PER FLOOR	625 s.q.m								695 s.q.m								695 s.q.m							

		BEDROOM DISTRIBUTION PER FLOOR								PARKING			
TOTAL NUMBER OF UNITS	= 53 units												
TOTAL AREA	= 5288.71 s.q.m.	FLOORS	GROUND FLOOR	IST FLOOR	2ND FLOOR	3RD FLOOR	4TH FLOOR	5TH FLOOR	TOTAL	FLOORS	DCP	AREAS & NO	TOTAL
BASEMENT AREA	= 3960 s.q.m.	1 BED	1	2	2	0	0	0	5	1 BED	1	5x1	5
TOTAL PARKING REQUIRED	=63.6 SPACES	1 BED+S	0	0	0	2	2	2	6	1 BED+ STUDY	1	6x1	6
TOTAL PARKING PROVIDED	= 63 TOTAL	2 BED	6	6	6	5	5	5	33	2 BED	1	33x1	33
SITE AREA	= 1686 s.q.m.	2 BED +STUDY	2	2	2	1	1	1	9	2 BED + STUDY	1	9x1	9
DEEP SOIL REQUIREMENT = 15% (253 sqm)		3 BED	0	0	0	0	0	0	0	VISITOR	1 / 5 DWELLING	53/5	10.6
DEEP SOIL PROPOSED = 28% (469.56 sqm)		TOTAL PER FLOOR	9	10	10	8	8	8	53			TOTAL	63.6
COMMON OPEN SPACE= 10% of Landscape plan (58.8 sqm)													
LANDSCAPE REQUIRED= 35% (588 sqm)													
LANDSCAPE PROPOSED= 41% (697.03 sqm													

REVISION :

No	AMENDMENTS	By	Date
A	DA SUBMISSION	WA	17.03.15

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ABN 78 118 946 578

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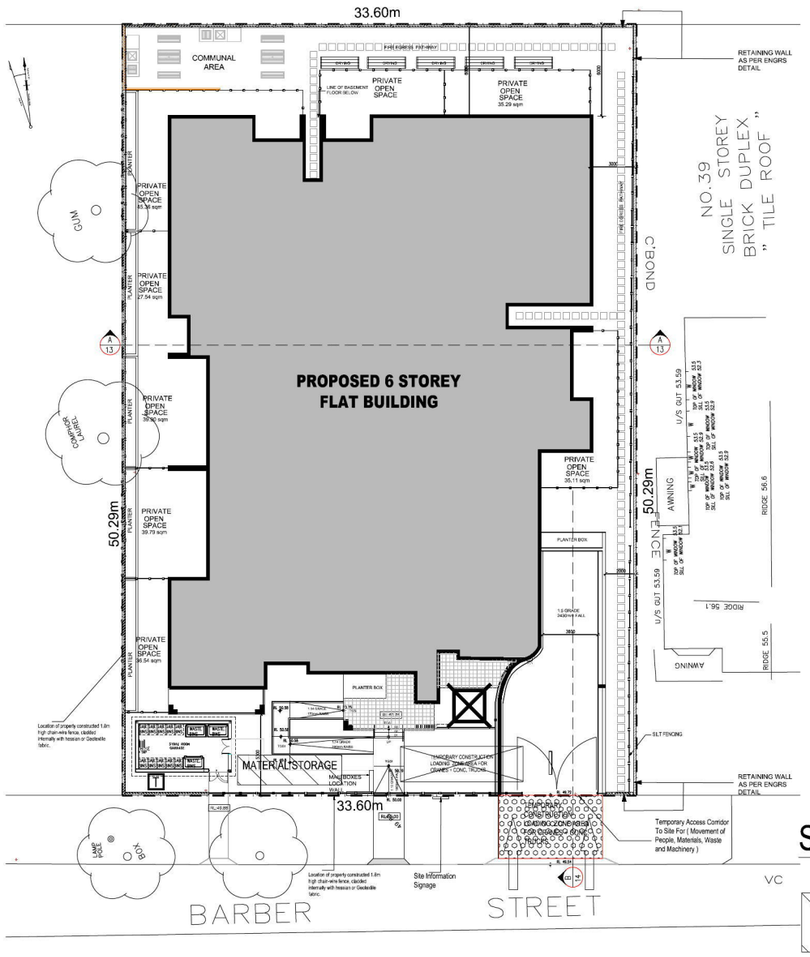
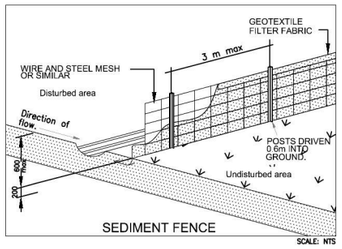
PROJECT :
PROPOSED FLAT DEVELOPMENT
41-43 BARBER AVENUE
PENRITH-NSW 2750

CLIENT :
SIMON ELIAS

DRAWING TITLE :
SECTION B-B DRIVEWAY PROFILE
SECTION C-C RAMP DETAIL
DESIGN CALCULATION DATA

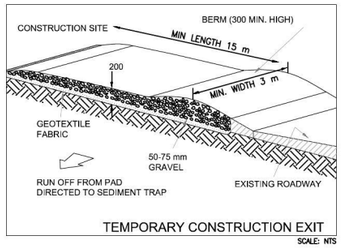
DRAWN : WA
CHECKED : SIMON OCHUDZAWA MAIA # 6865
DATE : 04.09.2014
SCALE : 1:50@A1
PROJECT No: 27-14-15
DRAWING No's: 14/24





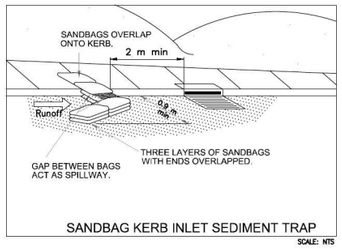
SEDIMENT FENCE

SCALE: NTS



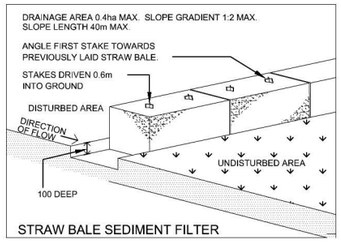
TEMPORARY CONSTRUCTION EXIT

SCALE: NTS



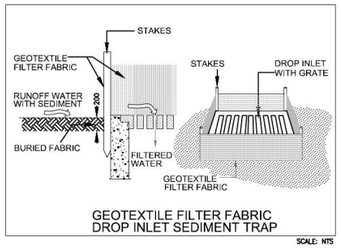
SANDBAG KERB INLET SEDIMENT TRAP

SCALE: NTS



STRAW BALE SEDIMENT FILTER

SCALE: NTS



GEOTEXTILE FILTER FABRIC
DROP INLET SEDIMENT TRAP

SCALE: NTS

SEDIMENT CONTROL LEGEND

MATERIAL STORAGE

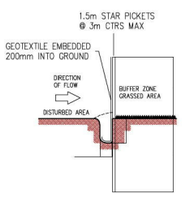
SILT BARRIER FENCE (STRUCTURE TYPE A)

SITE ACCESS

SITE SHED

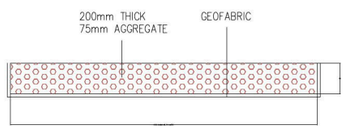
SITE TOILETS

STABILIZED SITE ACCESS



GEOFABRIC LINED SILT FENCE
(STRUCTURE TYPE A)

SCALE 1:20



DETAIL OF STABILIZED SITE ACCESS

SCALE 1:100 HORIZONTAL
SCALE 1:20 VERTICAL

NOTES

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, STRUCTURAL DRAWINGS AND THE SPECIFICATON.
2. PRIOR TO COMMENCEMENT OF WORKS THE CONTRACTOR SHALL SATISFY HIMSELF OF THE CORRECT LOCATION OF EXISTING SERVICES WHETHER INDICATED OR NOT ON THE PLANS. ANY DAMAGE TO EXISTING SERVICES SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE.
3. TRAFFIC MANAGEMENT MEASURES HAVE TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION, ALL IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS ALONG THE FOOTPATH.
4. THE CONTRACTOR SHALL EFFECT TEMPORARY DRAINAGE MEASURES TO AVOID LOCALIZED PONDING OF SURFACE RUN-OFF.
5. REFER TO ARCHITECT'S DRAWINGS FOR ALL DETAILS (LEVELS, GRADING ETC.) OF DRIVEWAYS, CONCRETE AND PAVED AREAS, AND RETAINING WALL TYPES ADN LOCATIONS.
6. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR DETAILS AND EXTENT OF ALL LANDSCAPED AREAS.
7. ALL SWD PIPES ARE UPVC AT 1.0% MINIMUM GRADE (UNO).
8. SWD PITS CAN BE PRE-CAST SIZED AS FOLLOWS:
   450mm SQ. UP TO 600mm DEEP
   600mm SQ. UP TO 1000mm DEEP
9. ALL PITS LOCATED IN TRAFFICABLE AREAS, (IE, DRIVEWAYS) TO HAVE MEDIUM DUTY GRATED COVERS SUITABLE FOR WITHSTANDING LOADS ASSOCIATED WITH SMALL TRUCKS.
10. PROVIDE STEP IRONS TO ALL PITS GREATER THAN 1.2m DEEP.
11. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO COMMENCEMENT OF WORKS.
12. TOPSOIL SHALL BE STRIPPED ON STOCKPILED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE LINES. THIS TOPSOIL IS TO BE RESPREAD LATER ON AREAS TO BE REVEGETATED.
13. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES. ALL SILT REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE SUPERINTENDENT. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL DISTURBED AREAS ARE REVEGETATED AND FURTHER AS MAY BE DIRECTED BY THE SUPERINTENDENT OR COUNCIL.
14. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL UNTIL FINAL COMPLETION OF WORKS.

SEDIMENT AND EROSION NOTES

B1. THIS PLAN TO BE READ IN CONJUNCTION WITH SEDIMENT AND EROSION CONTROL DETAILS AS ATTACHED.
B2. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY AND TO THE SATISFACTION OF COUNCIL PRIOR TO THE COMMENCEMENT OF AND DURING CONSTRUCTION. NO DISTURBANCE TO THE SITE SHALL BE PERMITTED OTHER THAN IN THE IMMEDIATE AREA OF THE WORKS AND NO MATERIAL SHALL BE REMOVED FROM THE SITE WITHOUT COUNCIL'S APPROVAL. ALL SEDIMENT AND EROSION CONTROL DEVICES TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH STANDARDS OUTLINED IN NSW DEPARTMENT OF HOUSING'S "MANAGING URBAN STORMWATER – SOILS AND CONSTRUCTIONS".
B3. TOPSOIL SHALL BE STRIPPED AND STOCKPILED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE LINES. THIS TOPSOIL IS TO BE RESPIRED LATER ON AREAS TO BE REVEGETATED AND STABILIZED ONLY, (I.E. ALL FOOTPATHS, BATTERS, SITE REGARDING AREAS, BASINS AND CATCHDRAINS). TOPSOIL SHALL NOT BE RESPIRED ON ANY OTHER AREAS UNLESS SPECIFICALLY INSTRUCTED BY THE SUPERINTENDENT. IF THEY ARE TO REMAIN FOR LONGER THAN ONE MONTH STOCKPILES SHALL BE PROTECTED FROM EROSION BY COVERING THEM WITH A MULCH AND HYDROSEEDING AND, IF NECESSARY, BY LOCATING BANKS OR DRAINS DOWNSTREAM OF A STOCKPILE TO RETARD SILT LADEN RUNOFF.
B4. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES SUCH THAT MORE THAN 60% OF THEIR CAPACITY IS LOST. ALL THE SILT IS TO BE PLACED OUTSIDE THE LIMIT OF WORKS. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL DISTURBED AREAS ARE REVEGETATED AND FURTHER AS MAY BE DIRECTED BY THE SUPERINTENDENT OR COUNCIL.
B5. LAY TURF STRIP (MIN 300mm WIDE) ON 100mm TOPSOIL WITH 1.0m LONG RETURNS EVERY 6.0m BEHIND ALL KERB AT THE TOP OF ALL BATTERS AND AROUND STRUCTURES IMMEDIATELY AFTER BACKFILLING OR FORMATION.
B6. THE CONTRACTOR SHALL GRASS SEED ALL DISTURBED AREAS WITH AN APPROVED MIX AS SOON AS PRACTICABLE AFTER COMPLETION OF EARTHWORKS AND REGARDING.
B7. VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING CONSTRUCTION CONFINING ACCESS WHERE POSSIBLE TO NOMINATED STABILIZED ACCESS POINTS.
B8. WHEN ANY DEVICES ARE TO BE HANDED OVER TO COUNCIL THEY SHALL BE IN CLEAN AND STABLE CONDITION.
B9. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL BY REGULAR WETTING DOWN (BUT NOT SATURATING) DISTURBED AREA.
B10. PROVIDE AND MAINTAIN SILT TRAPS AROUND ALL SURFACE INLET PITS UNTIL CATCHMENT IS REVEGETATED OR PAVED.
B11. REVEGETATE ALL TRENCHES IMMEDIATELY UPON COMPLETION OF BACKFILLING.
B12. ALL DRAINAGE PIPE INLETS TO BE CAPPED UNTIL :
   A) DOWNPIPES CONNECTED
   B) PITS CONSTRUCTED AND PROTECTED WITH SILT BARRIER

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PENRITH-NSW 2750

CLIENT :
SIMON ELIAS

DRAWING TITLE :
SEDIMENT & EROSION CONTROL PLAN

DRAWN :	WA
CHECKED :	SIMON OCHUDZAWA MAIA # 6865
DATE :	04.09.2014
SCALE :	1:200@A1
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