



① Perspective Rendering
1 : 1

Sheet List	
Sheet Number	Sheet Name
DA - 00	COVER SHEET
DA - 01	LOCATION PLAN
DA - 02	SITE PLAN - EXISTING
DA - 03	SITE PLAN - PROPOSED
DA - 04	GROUND PLAN - EXISTING
DA - 05	GROUND PLAN - DEMOLITION
DA - 06	GROUND PLAN - PROPOSED
DA - 07	ROOF PLAN
DA - 08	ELEVATIONS - EXISTING
DA - 09	ELEVATIONS - EXISTING
DA - 10	ELEVATIONS PROPOSED
DA - 11	ELEVATIONS - PROPOSED
DA - 12	VISUAL IMPACT ASSESSMENT
DA - 13	SECTIONS
DA - 14	SECTIONS
DA - 15	DETAIL SECTIONS - STAIRS
DA - 16	DETAIL SECTION - RAMP
DA - 17	SECTION - EAST WALL
DA - 18	DTL. SECTIONS - EAST WALL
DA - 19	DISABLED BATHROOM
DA - 20	SCHEDULE OF FINISHES
DA - 21	CARPARK 1 & 2
DA - 22	CARPARK 3 & 4
DA - 23	CARPARK 5
DA - 24	DESIGN SAFETY NOTES

PROPOSED ORTHOPAEDIC HEALTHCARE CLINIC AT LOT 14 DP35635 104 DERBY ST, PENRITH NSW 2750

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasirymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

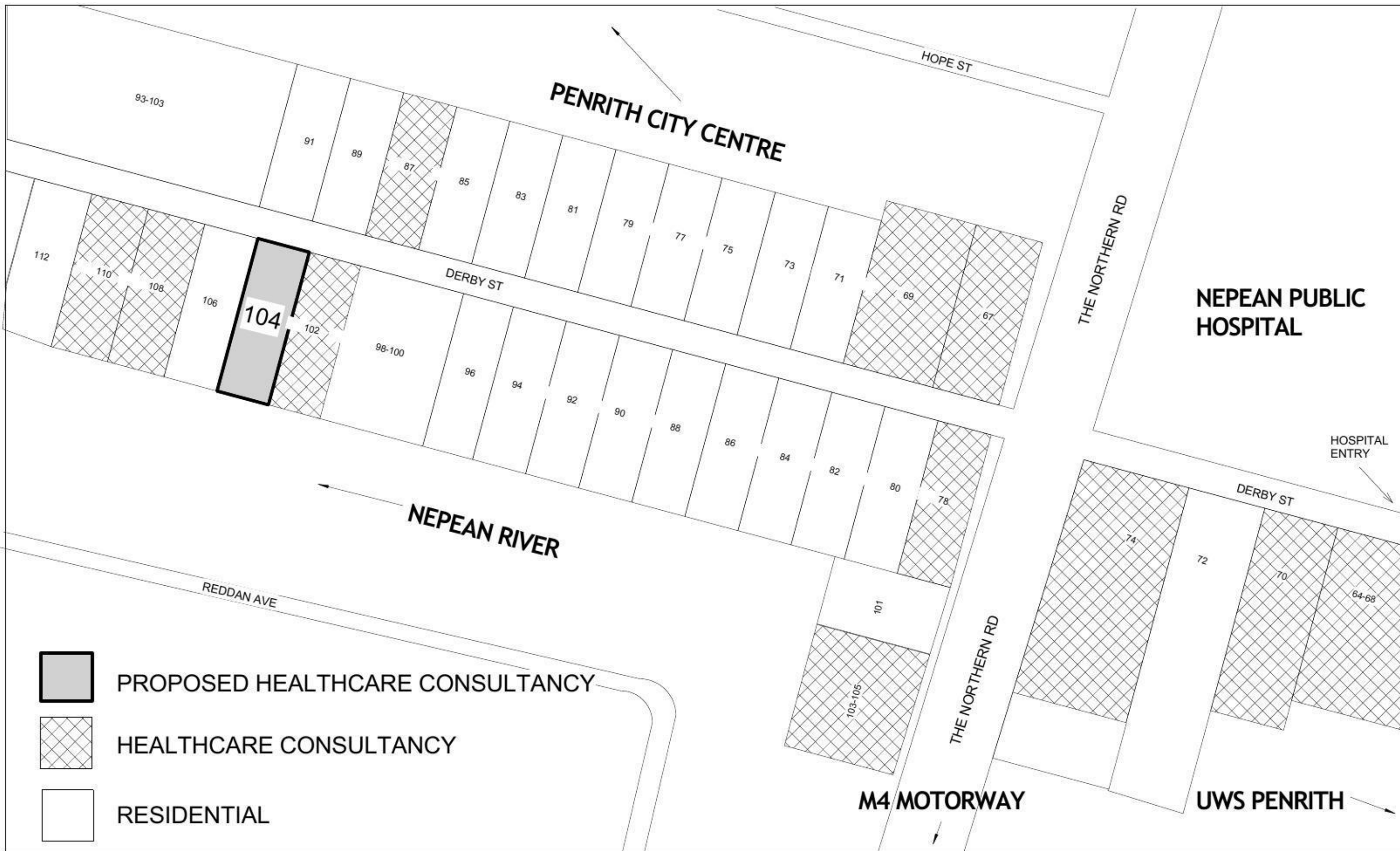
GENERAL NOTES:

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

COVER SHEET

PROJECT NUMBER	1	DA - 00	A
DATE	09/05/2013		
DRAWN BY	M.NASIRY		
CHECKED BY		Scale	1 : 1



**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasiryymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

GENERAL NOTES:

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

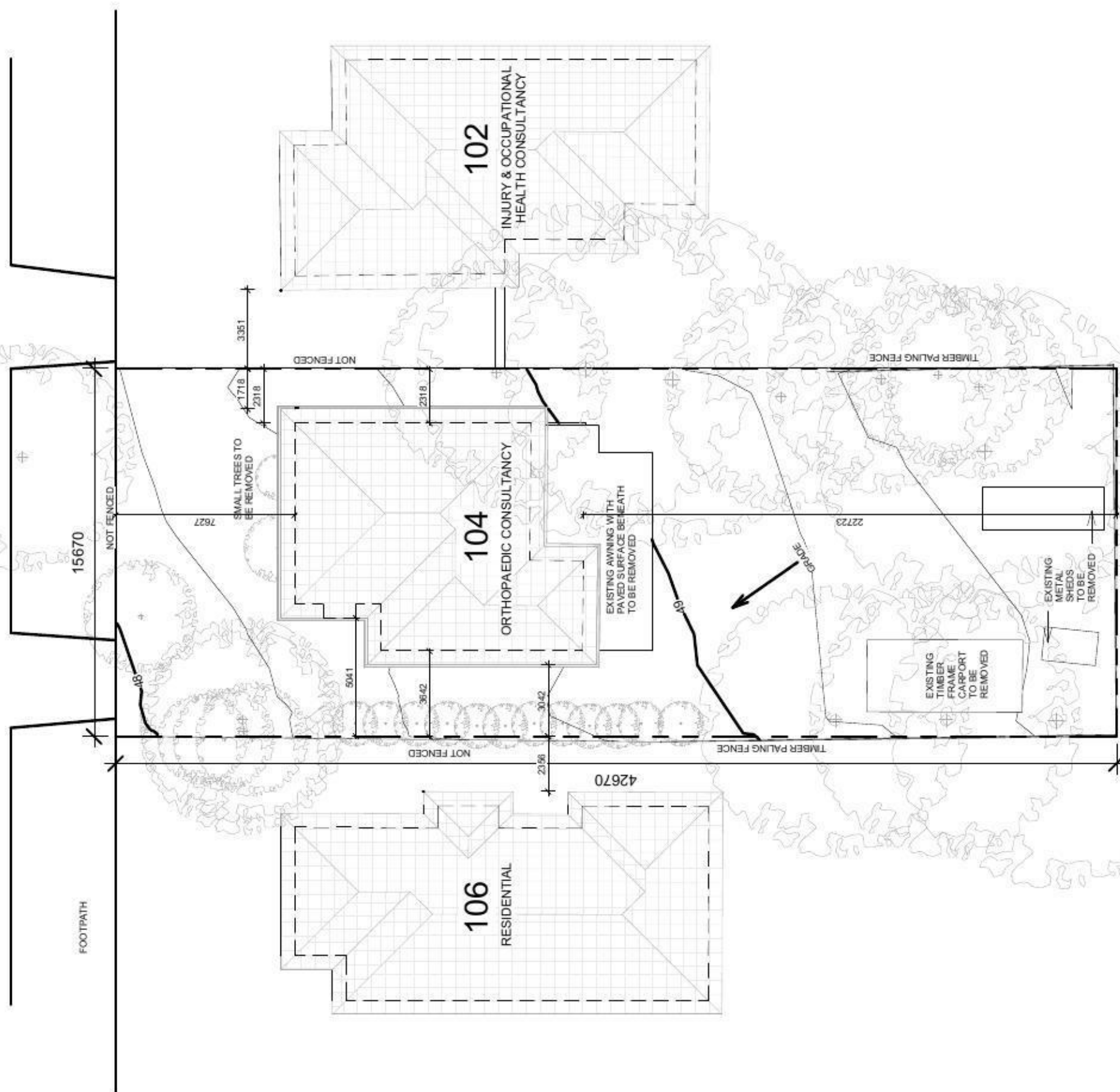
Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or
commencing work.
All materials are to be used in accordance with manufacturer's specifications and
instructions, and to comply with relevant regulations, BCA & Australian Standards.

LOCATION PLAN

PROJECT NUMBER	1	DA - 01	A
DATE	09/05/2013		
DRAWN BY	MNASIRY		
CHECKED BY		Scale	1 : 1000



DERBY STREET



Existing Area Schedule (Gross Building)		
Name	Area	Area %

Landscape Area	510.11 m ²	76%
Gross Building Area	99.70 m ²	15%
Outdoor Deck	38.39 m ²	6%
Carport	20.43 m ²	3%

1 A000A - EXISTING SITE
1 : 200

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasiryymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

GENERAL NOTES:

DETAILED SURVEY TAKEN BY JOHN WICKS & ASSOCIATES INCLUDING BOUNDARY SURVEY FOR ADDITIONAL FENCING AT A LATER STAGE. (PLEASE REFER TO PROPOSED SITE PLAN FOR FENCING).

ORIGINAL SURVEY DRAWINGS TO ACCOMPANY THIS SITE PLAN AND REFERRED TO WHERE ADDITIONAL SITE DATA MAY NEED CHECKING.

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

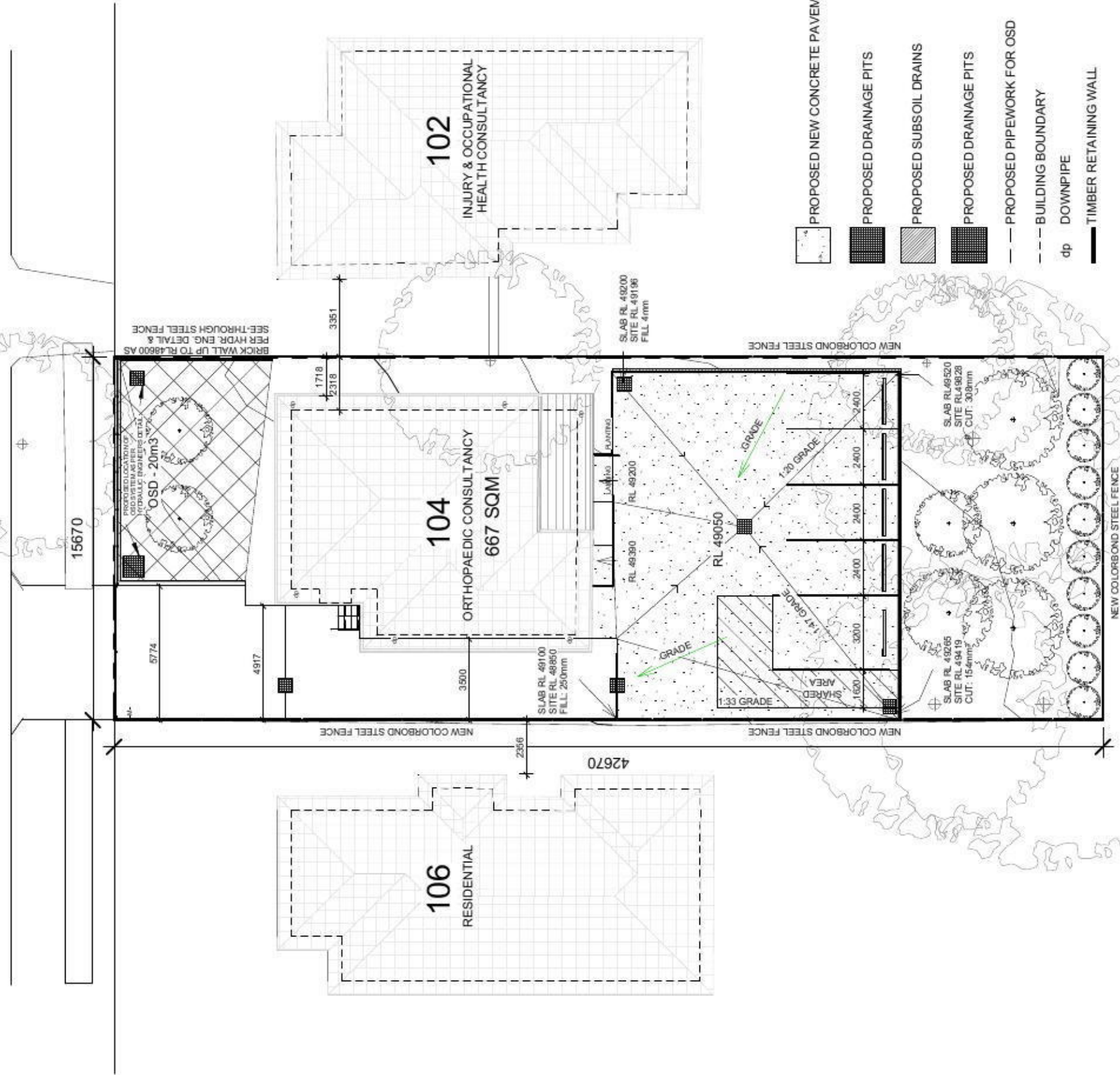
Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

SITE PLAN - EXISTING

PROJECT NUMBER	1	DA - 02	A
DATE	09/05/2013		
DRAWN BY	M.NASIRY		
CHECKED BY		Scale	1 : 200



DERBY STREET



Proposed Area Schedule (Gross Building)		
Name	Area	Area %
Landscape	257.82 m ²	39%
Pavement	297.34 m ²	45%
Gross Building Area	112.94 m ²	17%

1 A000B - PROPOSED SITE
1 : 200

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasiryymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

GENERAL NOTES:

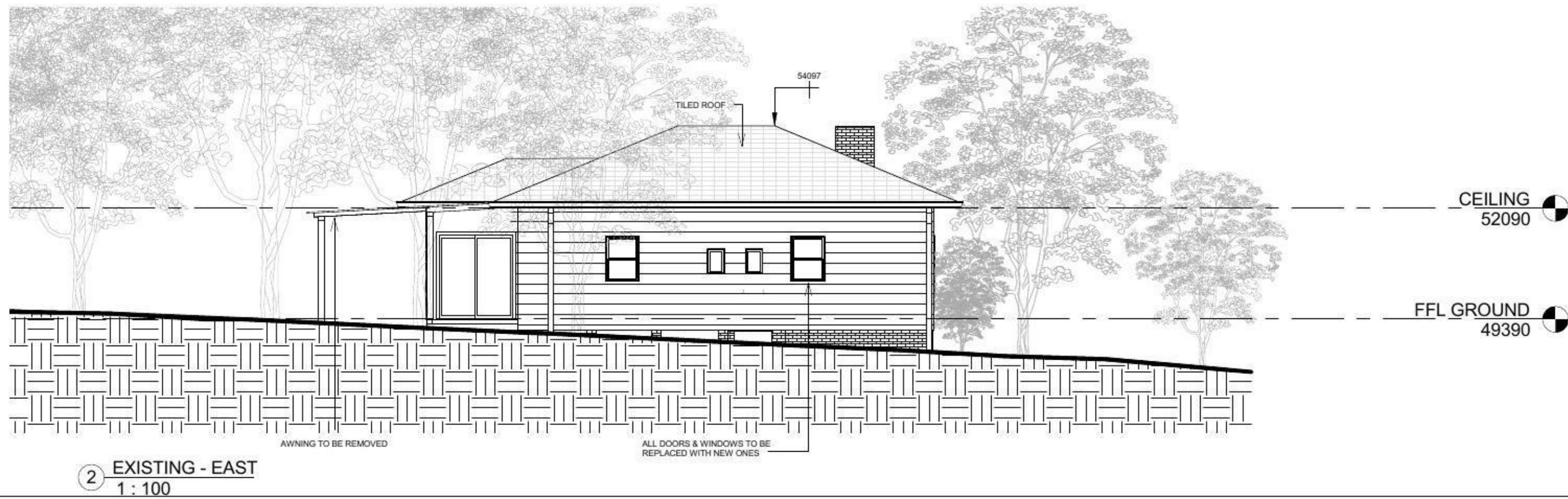
- 3 CARPARK SPACES PER CONSULTANT AND 1 FOR RECEPTION AS PER HEALTHCARE CONSULTANCY PARKING RULES (CLAUSE 3.4 PENRITH DCP 2006)
- REFER TO SURVEY FOR CONTOURS & EXISTING GROUND LEVELS
- REFER TO HYDRAULIC ENGINEERS DRAWINGS FOR STORMWATER RUNOFF
- 1:33 SLOPE IS PROVIDED WITHIN DISABLED CARPARK SPACE INCL. ITS SHARED AREA AS PER AS2890.6 (2009)
- CARPARKING PAVEMENT & DIMENSIONS COMPLIANT WITH AS2890.1 (2004)
- C - CHANGE IN CARPARK SLAB GRADES, REFER TO RL'S FOR CUT & FILL
- D - TIMBER RETAINING WALL POSITION ADDED, REFER TO LANDSCAPE CONCEPT PLAN FOR FURTHER DETAILS
- D - NEW TREES HIGHLIGHTED IN BLACK AS PER LANDSCAPE ARCHITECTS DETAILS (FOR MORE DETAILS REFER TO LANDSCAPE CONCEPT PLAN)

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

SITE PLAN - PROPOSED

PROJECT NUMBER	1	DA - 03	D
DATE	09/05/2013		
DRAWN BY	MNASIRY		
CHECKED BY		Scale	1 : 200



**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasiryymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

GENERAL NOTES:

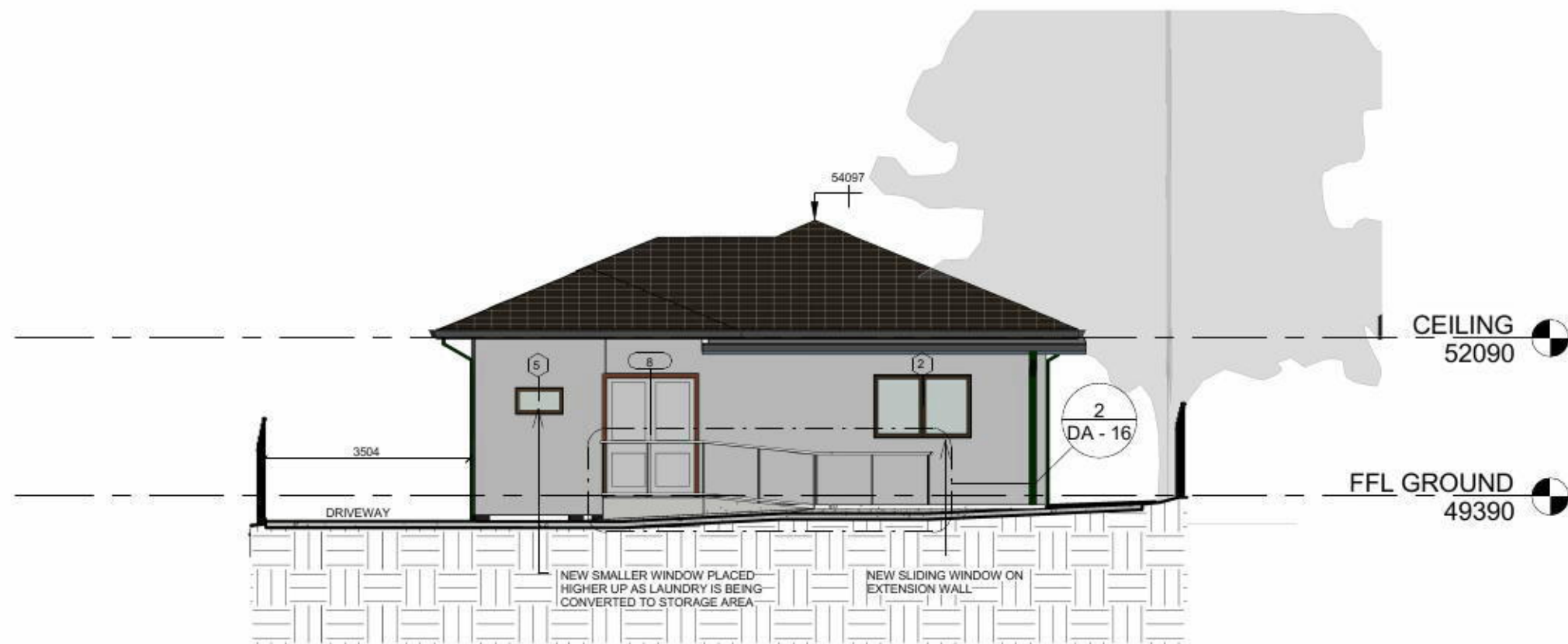
Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

ELEVATIONS - EXISTING

PROJECT NUMBER	1	DA - 08	A
DATE	09/05/2013		
DRAWN BY	M.NASIRY		
CHECKED BY			
		Scale	1 : 100

1 PROPOSED - SOUTH
1 : 100



2 PROPOSED - WEST
1 : 100



**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasiryymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

GENERAL NOTES:

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

ELEVATIONS - PROPOSED

PROJECT NUMBER	1	DA - 11	A
DATE	09/05/2013		
DRAWN BY	Author		
CHECKED BY		Scale	1 : 100



1 EXISTING - SOUTH
1 : 100



2 EXISTING - WEST
1 : 100

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasiryymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

GENERAL NOTES:

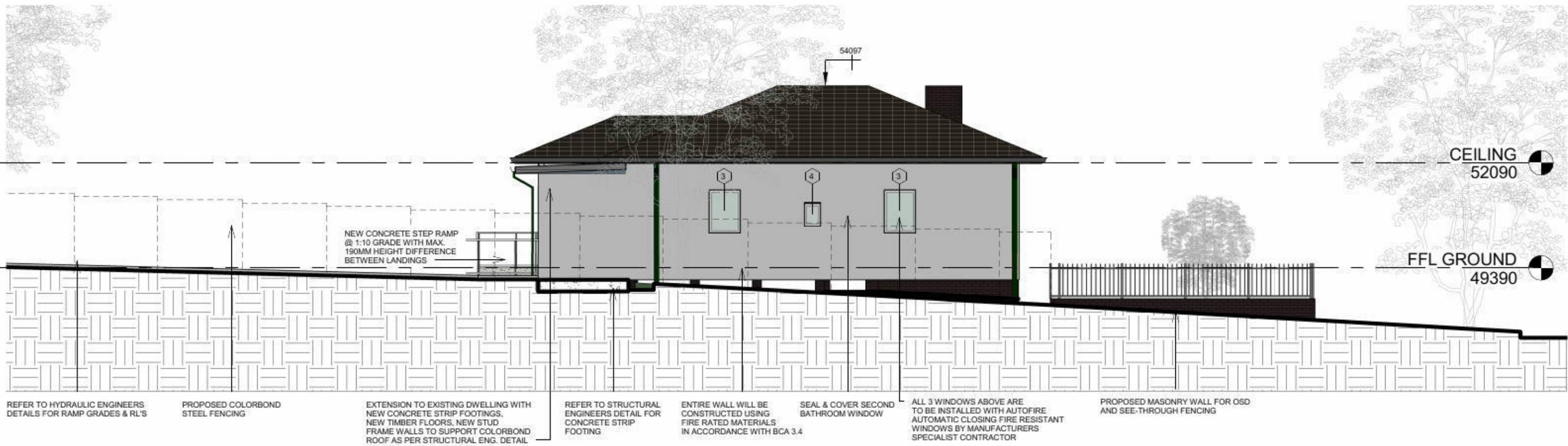
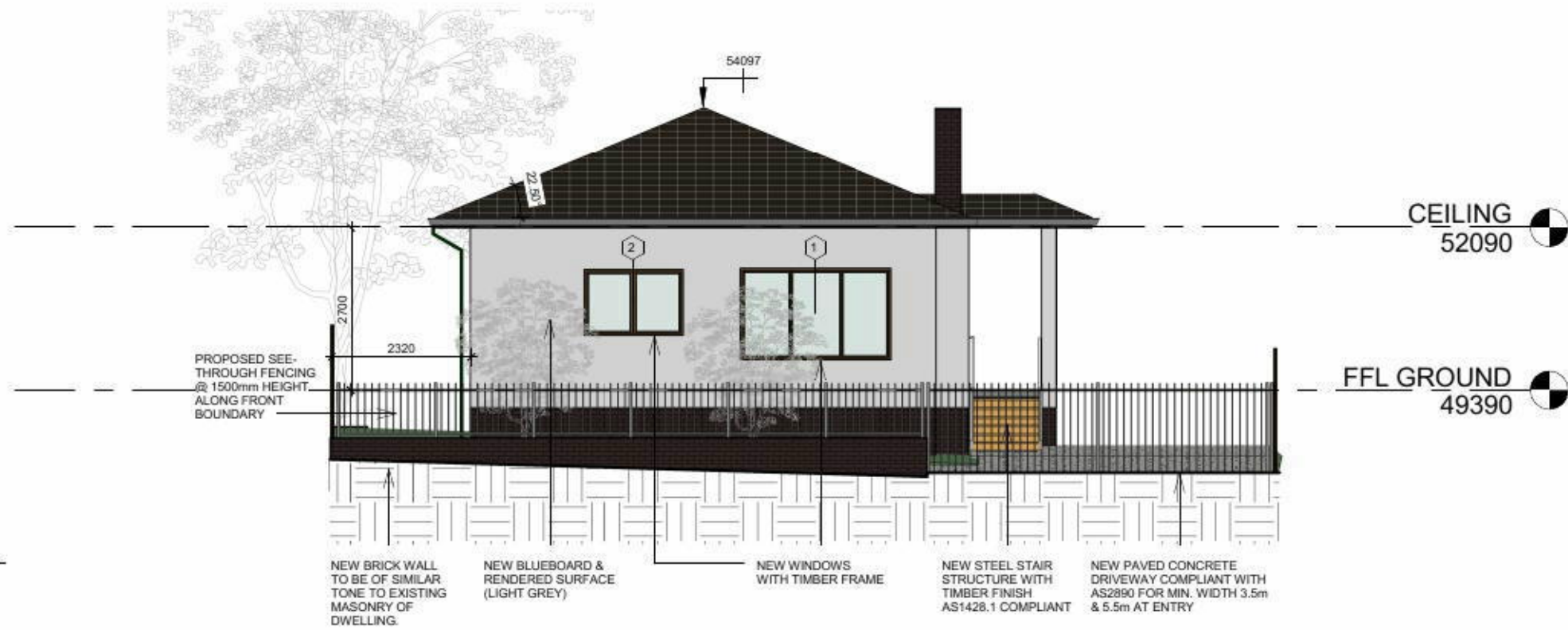
Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

ELEVATIONS - EXISTING

PROJECT NUMBER	1	DA - 09	A
DATE	09/05/2013		
DRAWN BY	MNASIRY		
CHECKED BY		Scale	1 : 100

1 PROPOSED - NORTH
1 : 100



2 PROPOSED - EAST
1 : 100

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasirymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

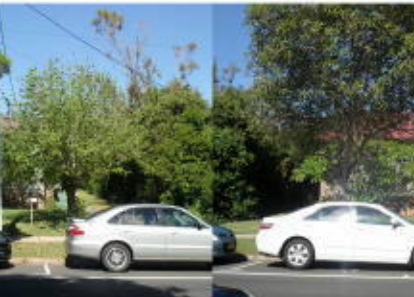
GENERAL NOTES:

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

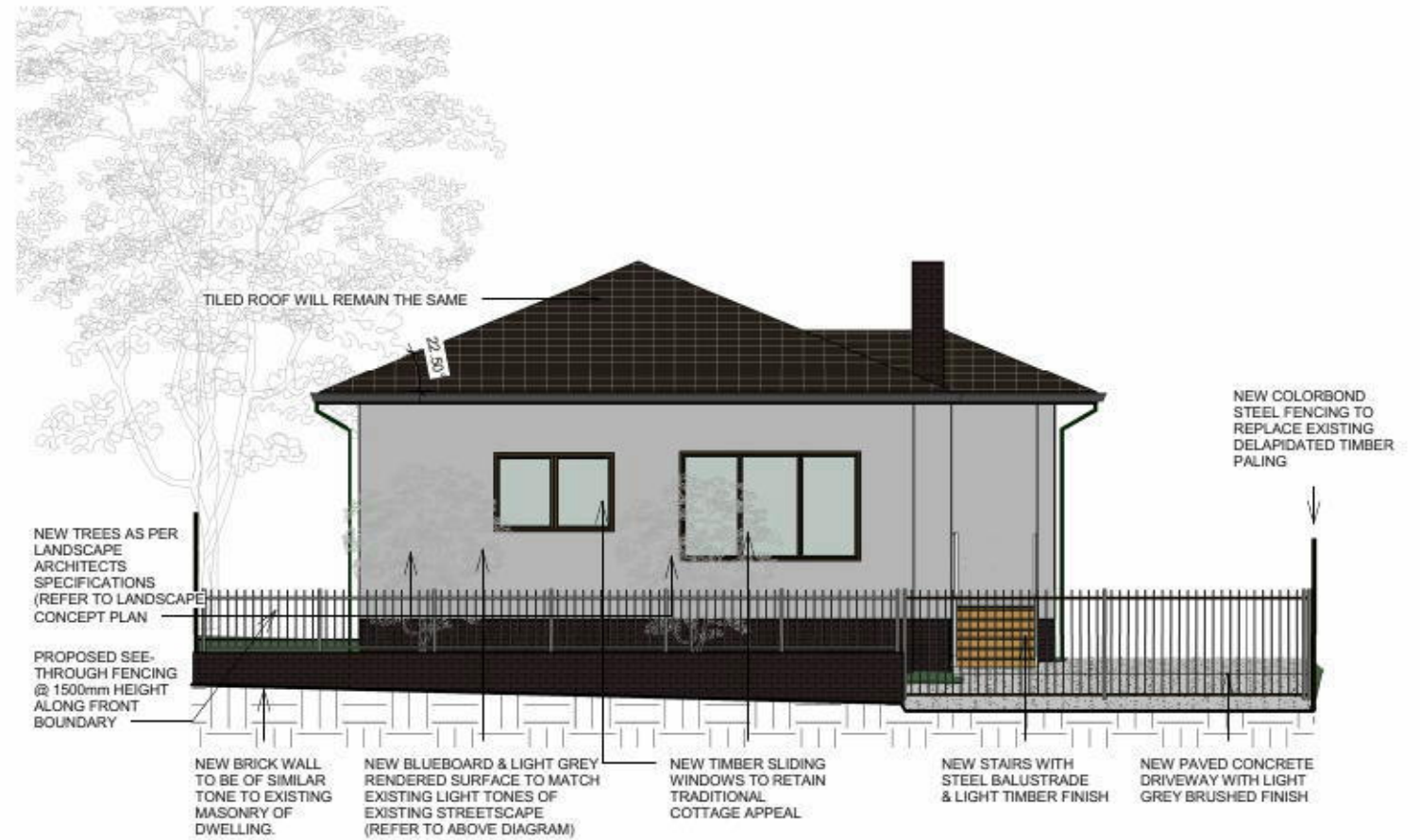
ELEVATIONS PROPOSED

PROJECT NUMBER	1	DA - 10	A
DATE	09/05/2013		
DRAWN BY	Author		
CHECKED BY		Scale	1 : 100

 ADDRESS: 96 DERBY ST BUILDING USE: RESIDENTIAL - SINGLE DWELLING STYLE: COTTAGE MATERIALS: BRICK PIERS, WHITE PLASTER WALLS WITH LIGHT GREY COLORBOND STEEL ROOF FRONT LAWN: SMALL TREE, TURF & HEDGES WITHOUT FENCE	 ADDRESS: 98-100 DERBY ST BUILDING USE: RESIDENTIAL - TOWNHOUSES STYLE: SINGLE STOREY MATERIALS: BEIGE BRICK WALLS, ORANGE BRICK COLUMNS WITH GREY TILED ROOF FRONT LAWN: SMALL TREE, TURF & PLANTS WITH FENCE	 ADDRESS: 98-100 DERBY ST BUILDING USE: RESIDENTIAL - TOWNHOUSES STYLE: SINGLE STOREY MATERIALS: BEIGE BRICK WALLS, ORANGE BRICK COLUMNS WITH GREY TILED ROOF FRONT LAWN: SMALL TREE, TURF & PLANTS WITH FENCE	 ADDRESS: 102 DERBY ST BUILDING USE: COMMERCIAL INJURY & OCCUPATIONAL HEALTH CONSULTANCY STYLE: COTTAGE MATERIALS: BEIGE BRICK WALLS, CONCRETE DRIVEWAY WITH GREY TILED ROOF FRONT LAWN: LARGE TREE, TURF & PLANTS WITH SANDSTONE RETAINING WALL	 ADDRESS: 104 DERBY ST (PROPOSAL) BUILDING USE: RESIDENTIAL - ZONE 2C STYLE: COTTAGE MATERIALS: BRICK PIERS WITH WHITE ALUMINIUM WEATHERBOARD AND LIGHT BROWN TILED ROOF FRONT LAWN: SMALL & LARGE TREES, TURF & SHRUBBERY ALONG DRIVEWAY	 ADDRESS: 106 DERBY ST BUILDING USE: RESIDENTIAL - SINGLE DWELLING STYLE: COTTAGE MATERIALS: BRICK PIERS WITH LIGHT CREAM PLASTERBOARD AND ORANGE STEEL PROFILE ROOF FRONT LAWN: SMALL & LARGE TREES, TURF ALONG DRIVEWAY	 ADDRESS: 108 DERBY ST BUILDING USE: COMMERCIAL PHYSIOTHERAPY CLINIC STYLE: COTTAGE MATERIALS: BRICK PIERS WITH WHITE WEATHERBOARD WALLS AND ORANGE TILED ROOF FRONT LAWN: CONCRETE DRIVEWAY, TURF AND HEDGES ALONG FRONT BOUNDARY	 ADDRESS: 110 DERBY ST BUILDING USE: COMMERCIAL RHEUMATOLOGIST & MEDICAL CONSULTANCY STYLE: COTTAGE MATERIALS: BRICK PIERS WITH CREAM WEATHERBOARD WALLS AND LIGHT BROWN TILED ROOF FRONT LAWN: CONCRETE DRIVEWAY, TURF & STEEL FENCING ALONG NEIGHBOURING BOUNDARY
---	---	--	---	--	--	---	--



1 EXISTING - NORTH - CHARACTER STUDY
1 : 100



2 PROPOSED - NORTH - CHARACTER STUDY
1 : 100

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
 Building Designer
 nasiryymm@gmail.com
 mob. 0422 340 444
 ABN: 55 126 247 967

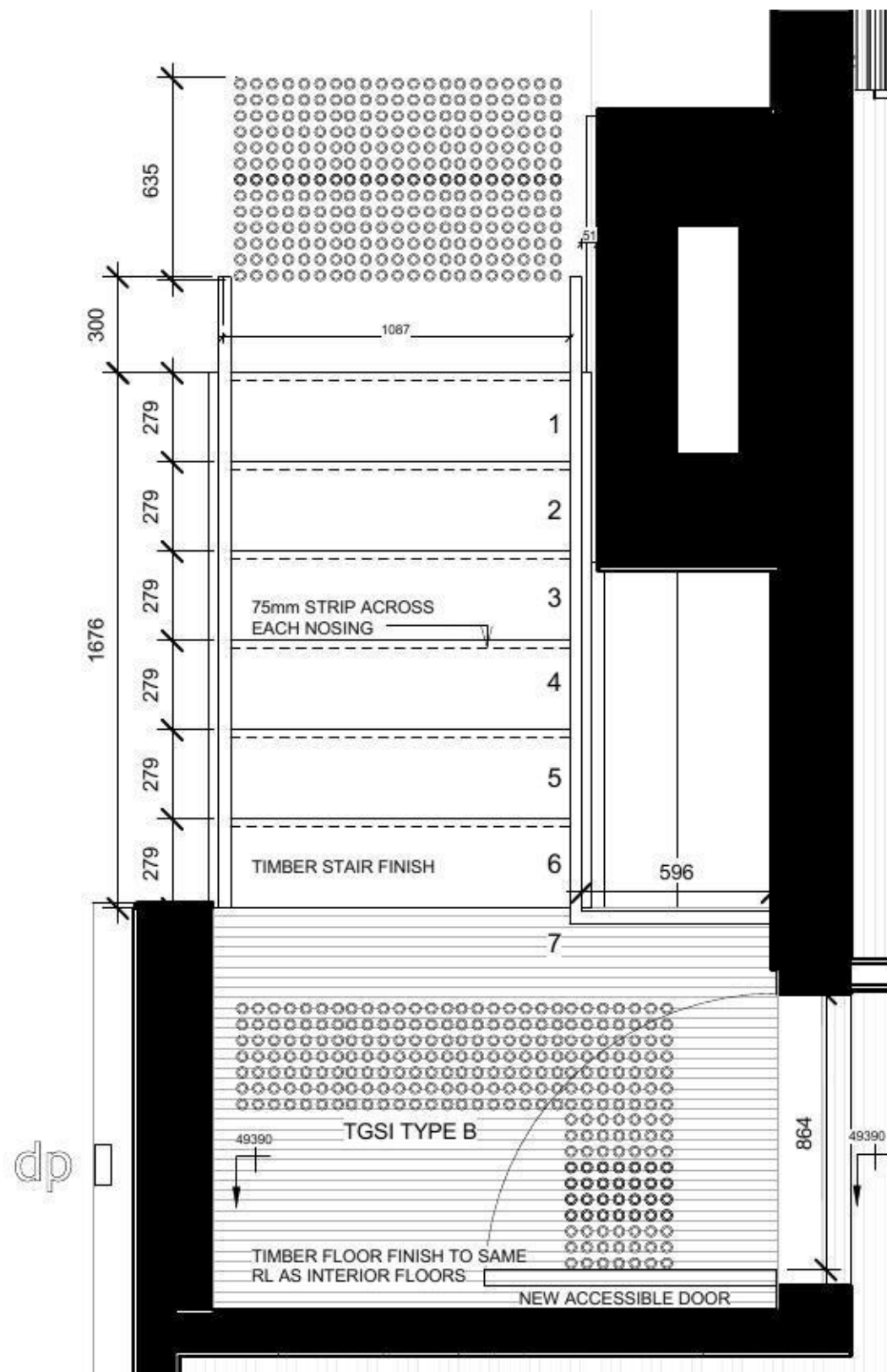
GENERAL NOTES:

Sol Qurashi
 SQ Healthcare Consultancy
 104 Derby St Penrith, NSW 2750

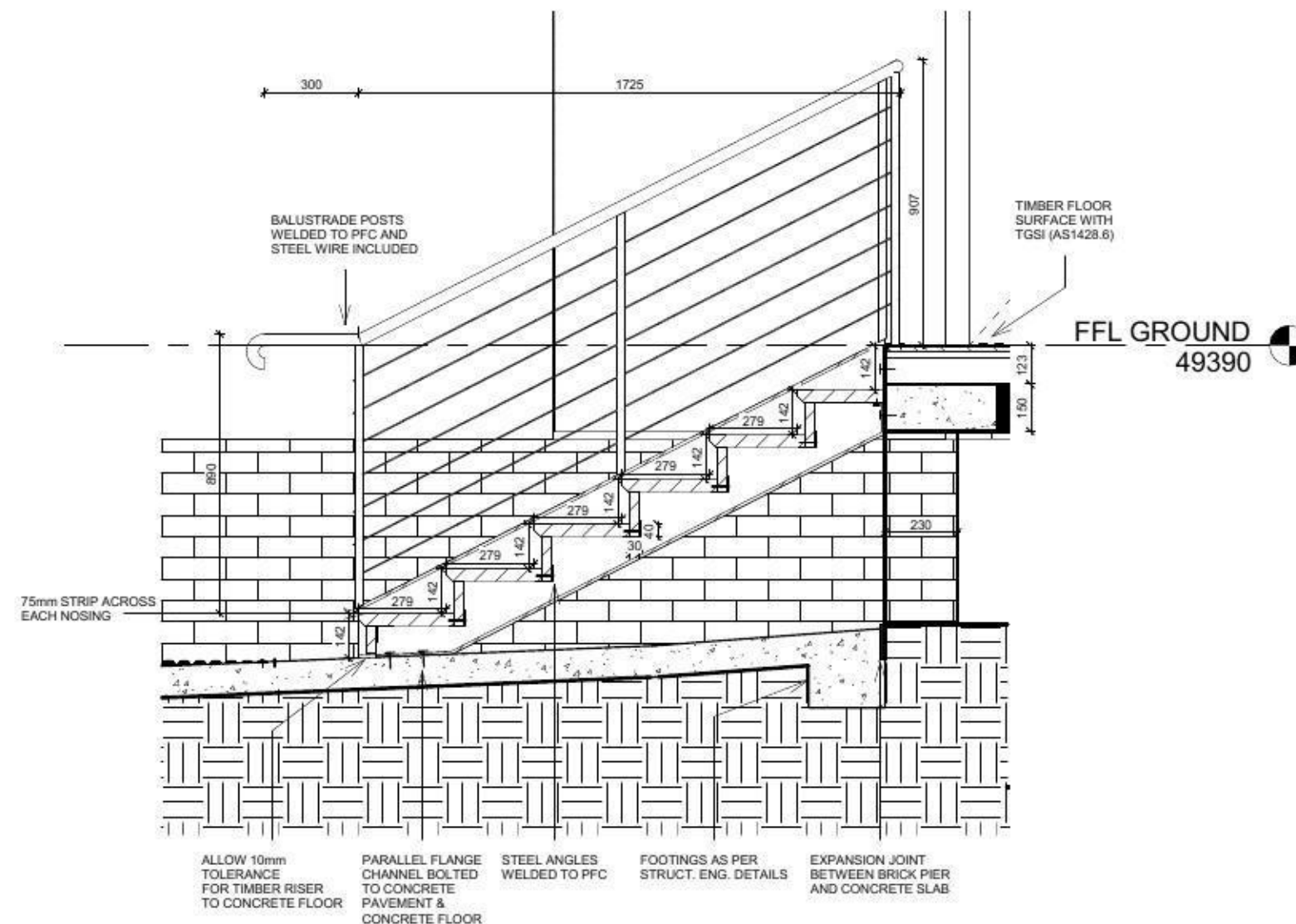
Figured dimensions are to be taken in preference to scaled dimensions.
 Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
 All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

VISUAL IMPACT ASSESSMENT

PROJECT NUMBER	1	DA - 12	A
DATE	09/05/2013		
DRAWN BY	MNASIRY		
CHECKED BY		Scale	1 : 100



1 Callout of A003 - PROPOSED GROUND
PLAN
1 : 20



2 Callout of Section 6
1 : 20

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasiryymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

GENERAL NOTES:

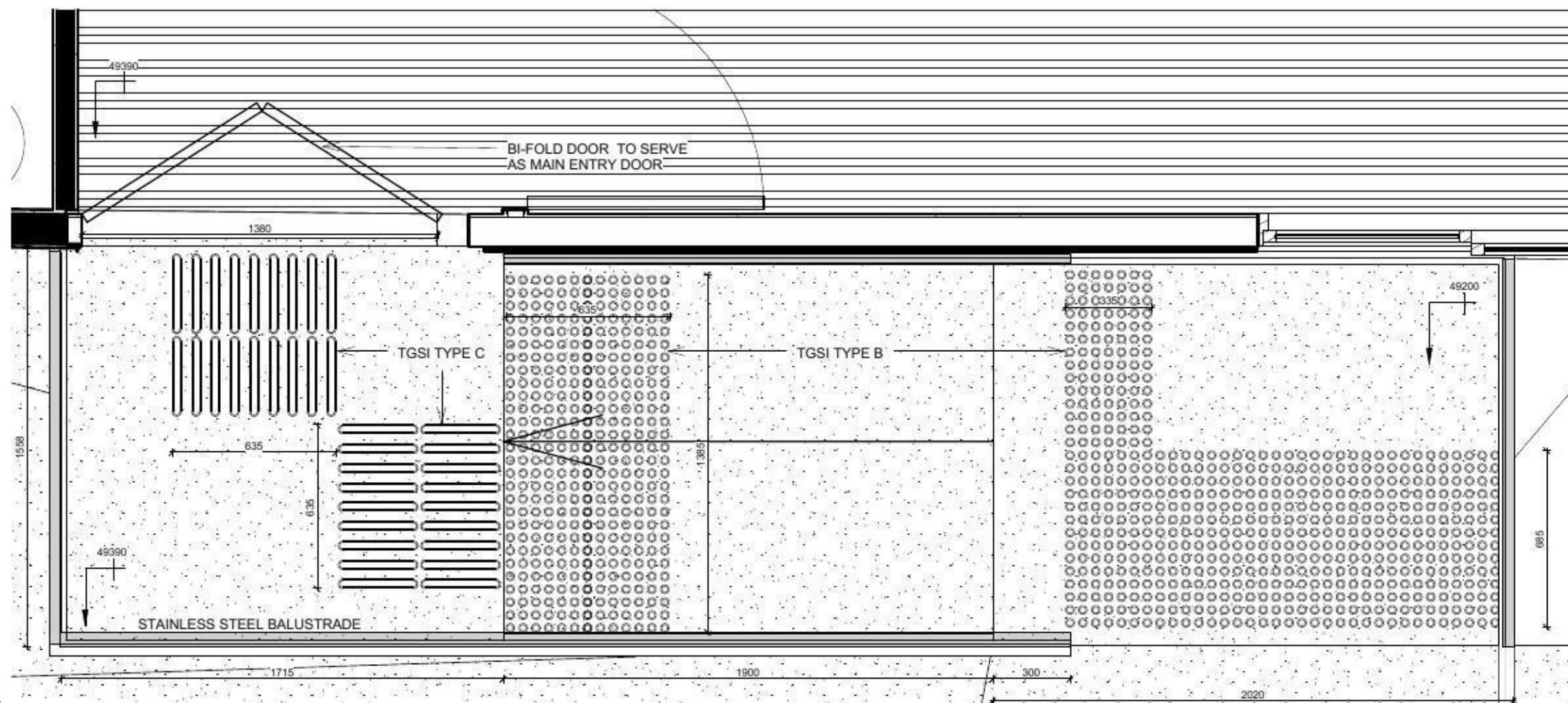
STAIR COMPONENTS, HANDRAILS AND TGSi ARE TO BE CONSTRUCTED
IN ACCORDANCE WITH AS1428

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

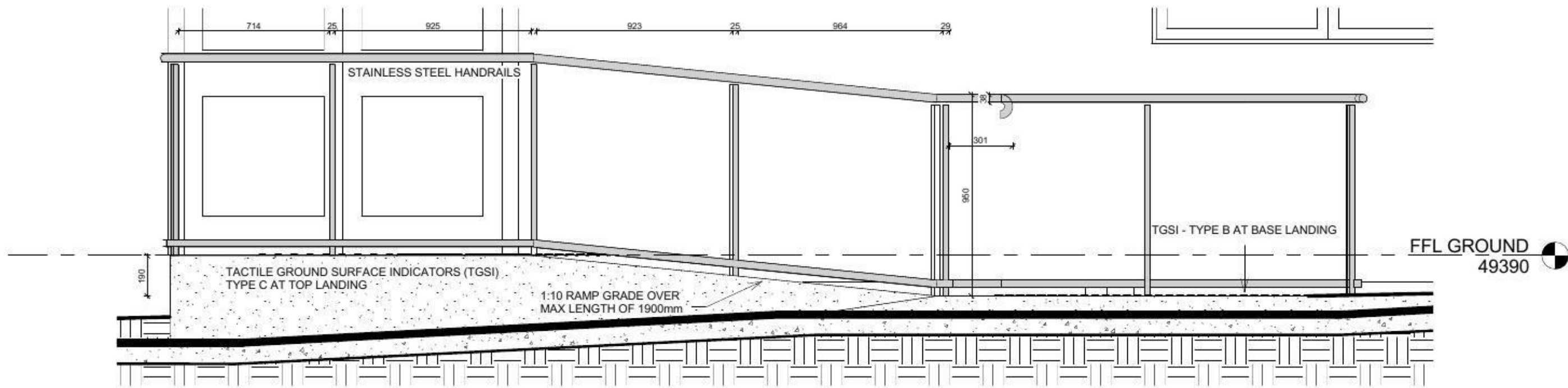
Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or
commencing work.
All materials are to be used in accordance with manufacturer's specifications and
instructions, and to comply with relevant regulations, BCA & Australian Standards.

DETAIL SECTIONS - STAIRS

PROJECT NUMBER	1	DA - 15	A
DATE	09/05/2013		
DRAWN BY	M.NASIRY		
CHECKED BY		Scale	1 : 20



1 RAMP DETAIL PLAN
1 : 20



2 RAMP DETAIL ELEVATION
1 : 20

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasirymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

GENERAL NOTES:

- STEP RAMP COMPLIANT WITH ALL PROVISIONS WITHIN CLAUSE 10.61 AS1428.1 (2009)
- TACTILE GROUND SURFACE INDICATORS TO BE PROVIDED AT DOOR TO LANDING THRESHOLD & LANDING TO RAMP THRESHOLD, AS PER CLAUSE 9 OF AS1428.4
- CONTINUOUS PATH OF TRAVEL, MINIMUM HEIGHT & WIDTH + CIRCULATION SPACE IS PROVIDED AS PER AS1428.1
- HANDRAILS & KERB RAILS TO FITTED AS PER AS1428.1

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

DETAIL SECTION - RAMP

PROJECT NUMBER	1	DA - 16	A
DATE	09/05/2013		
DRAWN BY	M.NASIRY		
CHECKED BY		Scale	1 : 20

GENERAL NOTES:

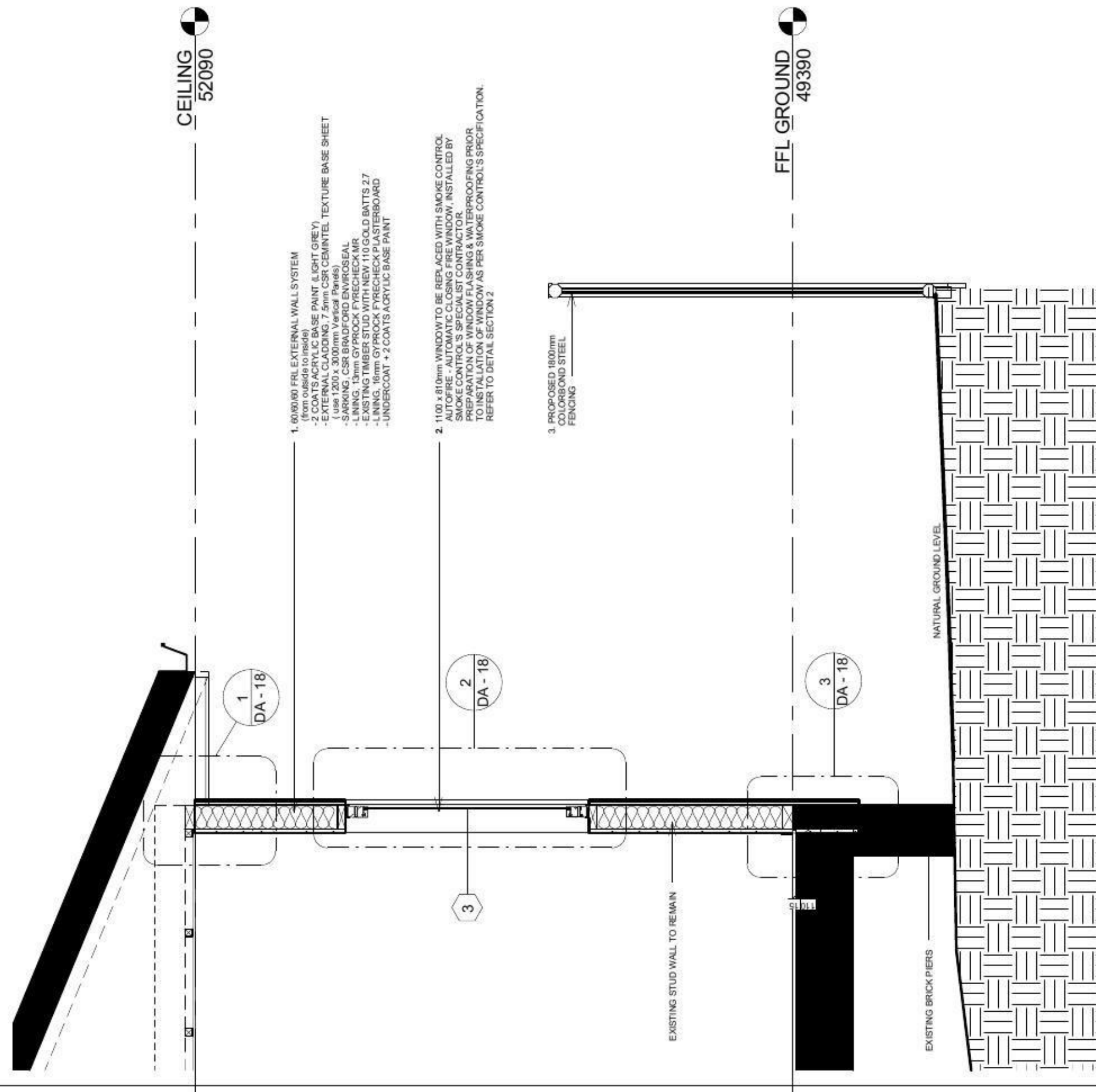
EASTERN WALL TO HAVE 60/60/60 FRL - BCA C3.4 - CLASS 9A

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

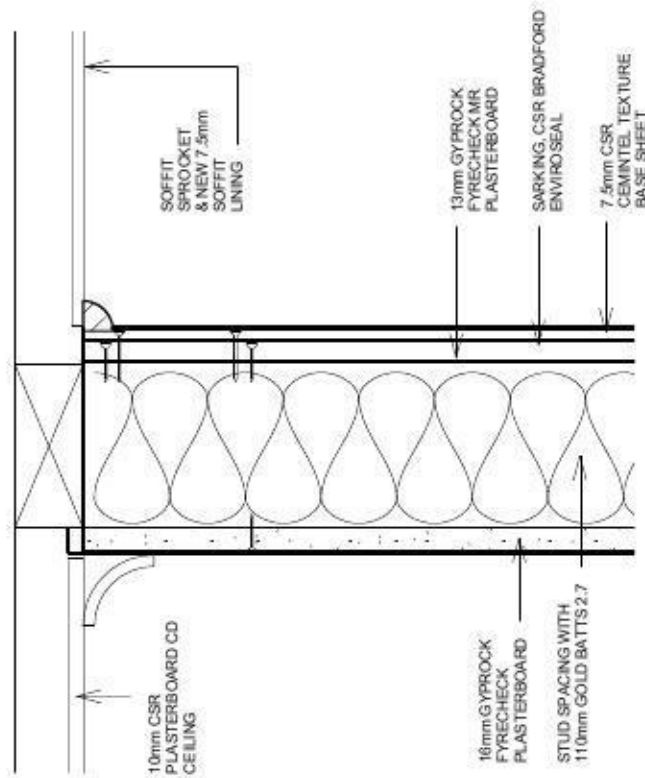
SECTION - EAST WALL

PROJECT NUMBER	1	DA - 17	A
DATE	09/05/2013		
DRAWN BY	M.NASIRY		
CHECKED BY		Scale	1 : 20

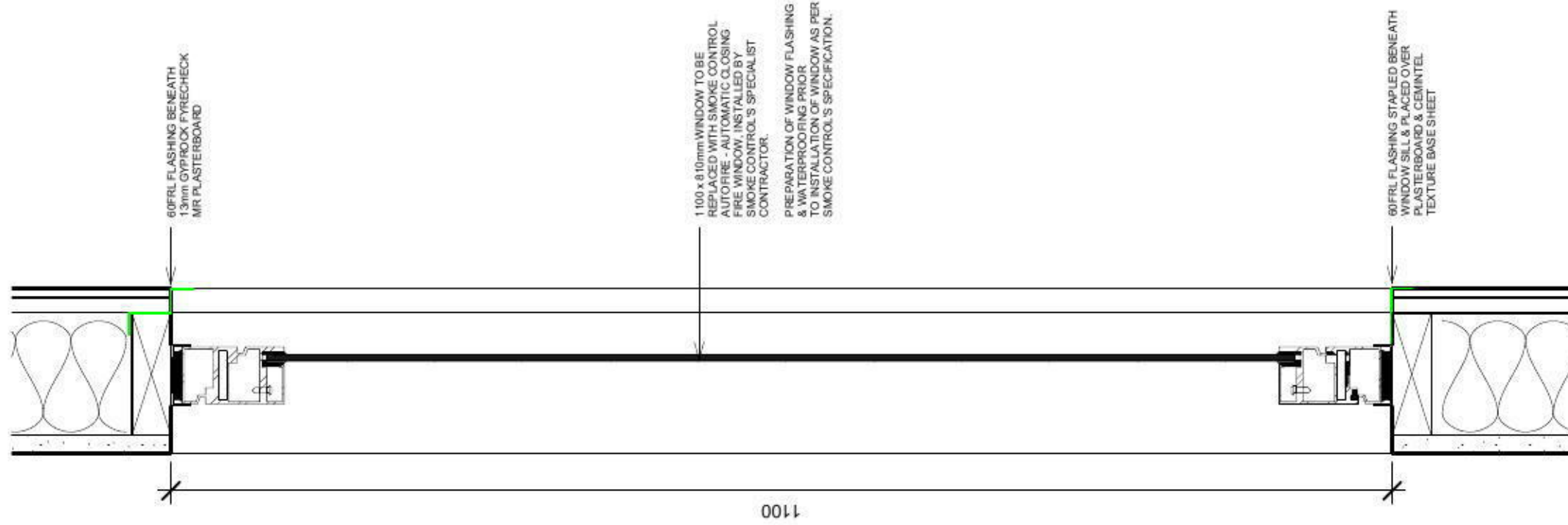


DTL. SECTIONS - EAST WALL

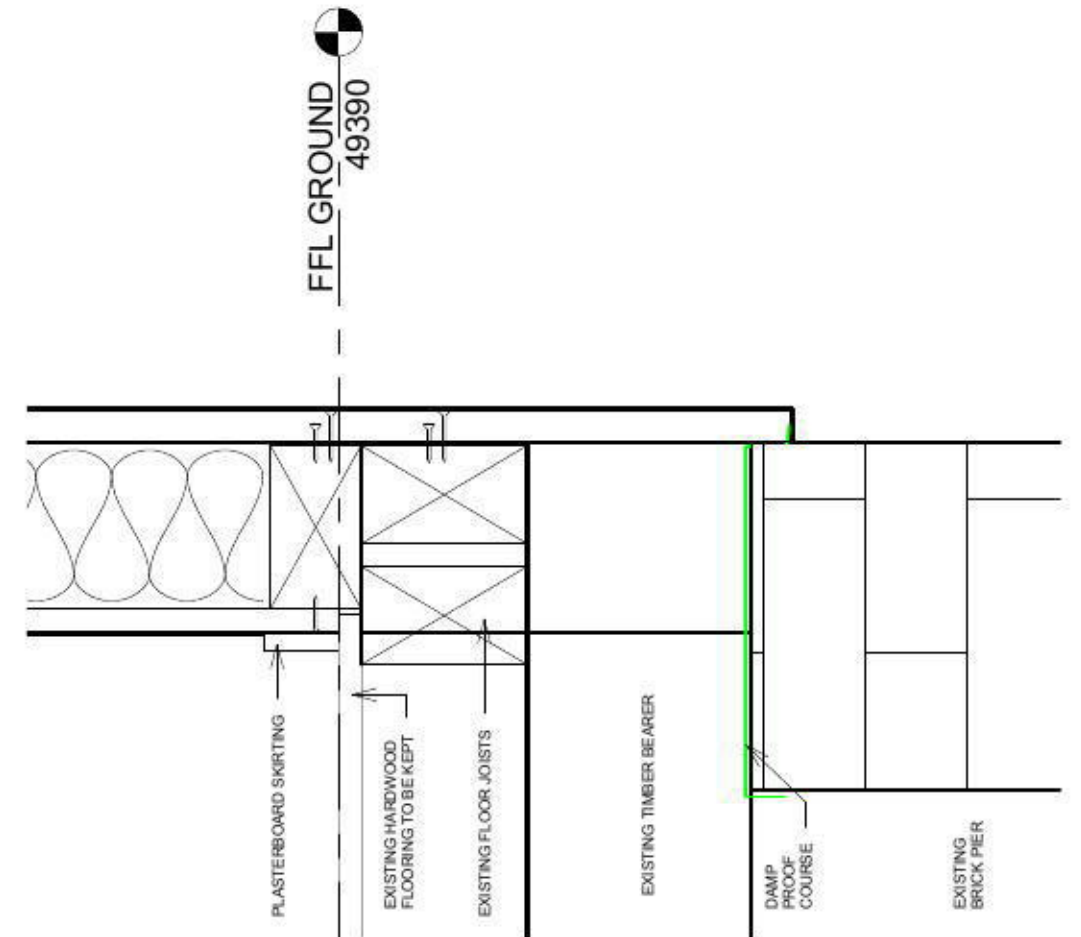
PROJECT NUMBER	1	DA - 18	A
DATE	09/05/2013		
DRAWN BY	MNASIRY	Scale	1 : 5
CHECKED BY			



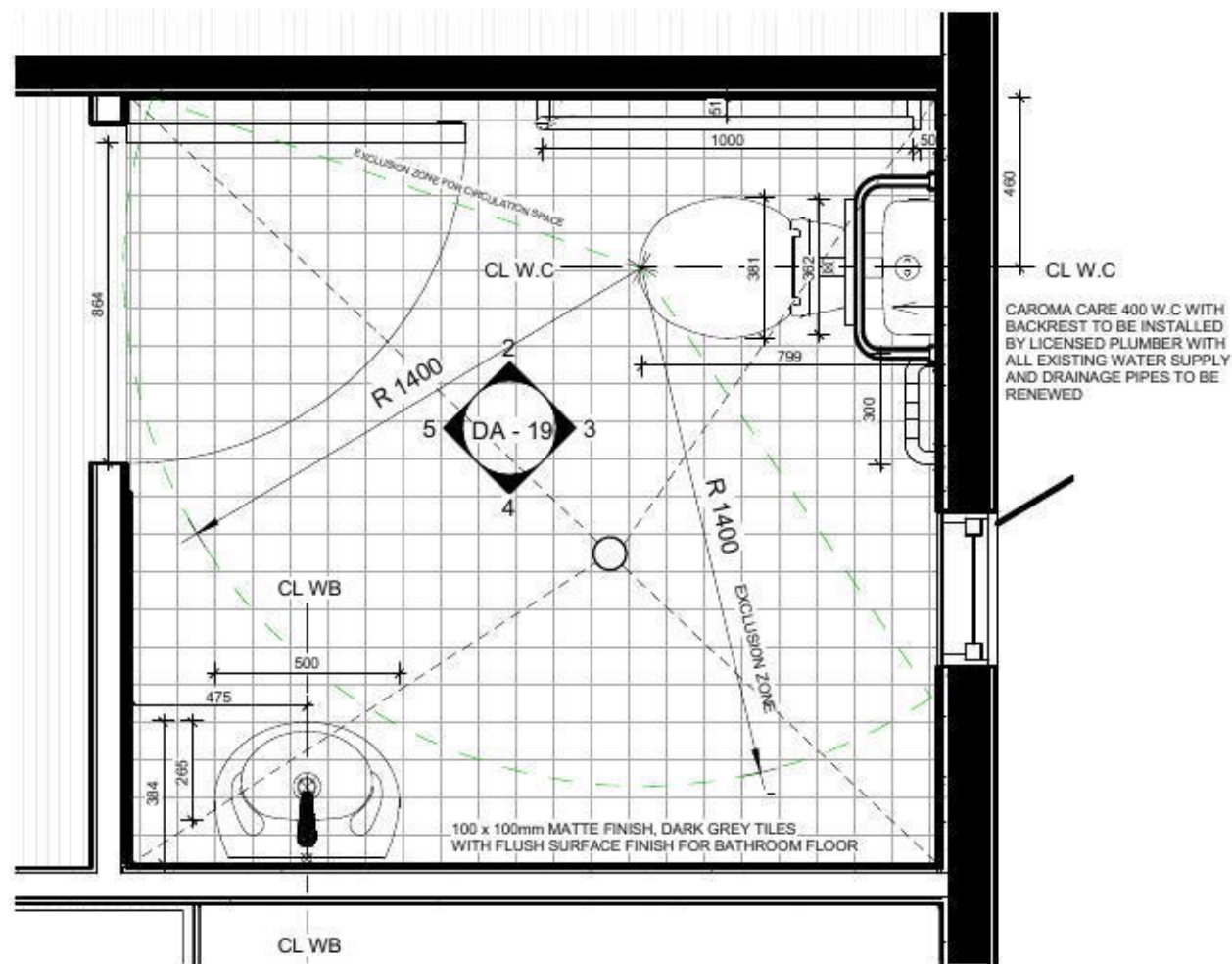
1 Callout of Section 21
1 : 5



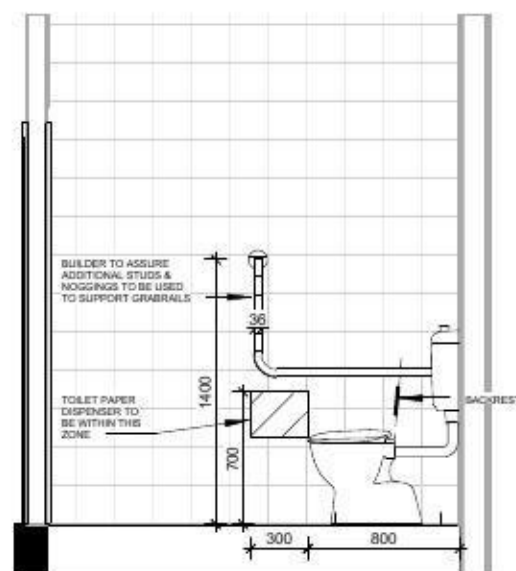
2 Callout (2) of Section 21
1 : 5



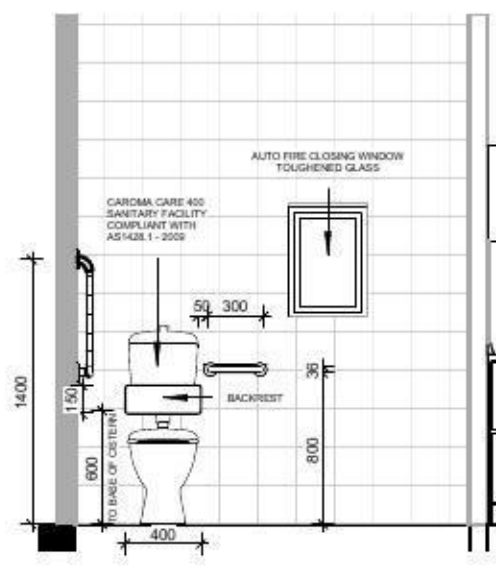
3 Callout (3) of Section 21
1 : 5



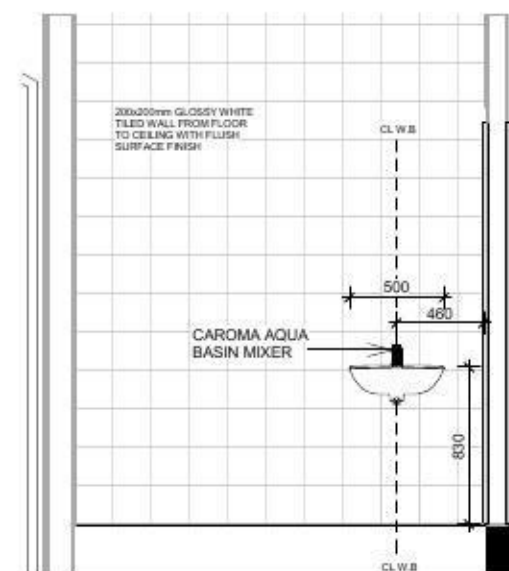
1 Callout of A003 - DIS. W.C.
1 : 20



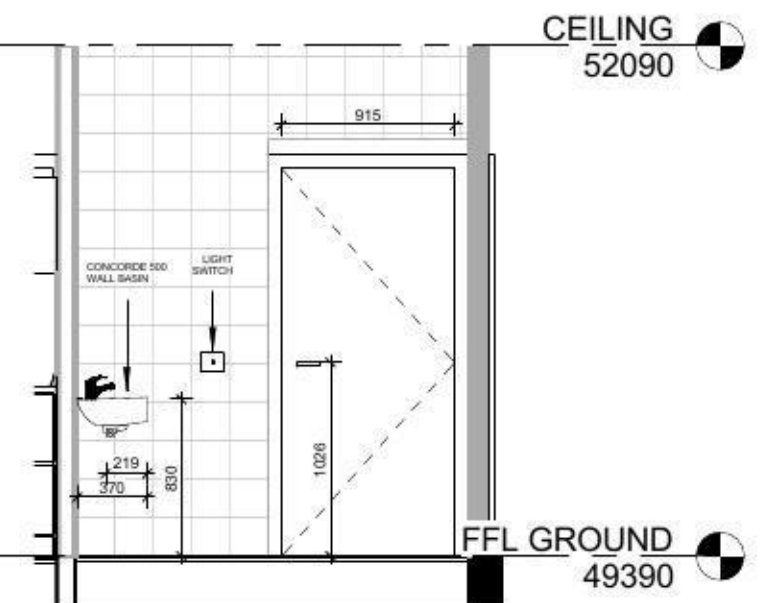
2 Elevation 1 - a
1 : 40



3 Elevation 1 - b
1 : 40



4 Elevation 1 - c
1 : 40



5 Elevation 1 - d
1 : 40

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasirymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

GENERAL NOTES:

- PLAN AND ELEVATIONS COMPLIANT WITH AS1428.1 (2009) DIMENSIONS FOR ACCESSIBLE BATHROOM FACILITIES.
- REFER TO CLIENT'S ADVICE FOR SPECIFIC TILES

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

DISABLED BATHROOM

PROJECT NUMBER	1	DA - 19	A
DATE	09/05/2013		
DRAWN BY	Author		
CHECKED BY	Scale		
		As indicated	



NEW WESTERN RED CEDAR FRAMED WINDOWS

NEW STEEL STRUCTURE FOR STAIRS WITH TIMBER FINISHED SURFACES AND POLISHED STEEL HANDRAILS WITH STEEL WIRE (AS1428 COMPLIANT)

NEW FOUNDATION WALL TO BE OF SIMILAR COLOR TONE TO EXISTING BRICK WALLS

NEW BOUNDARY FENCING TO BE OF DARK BROWN COLORBOND STEEL

RETAIN EXISTING NATURAL TURF + SOME ADDITIONAL PLANTING AS PER LANDSCAPE ARCHITECTS ADVICE

DRIVEWAY TO BE OF GREY BRUSHED FINISH

FRONT BOUNDARY BRICK RETAINING WALL AS PER HYDR. ENG. DETAIL + BLACK STEEL PICKET FENCING ALONG NORTHERN & EASTERN BOUNDARY

① Schedule of Finishes 1
1 : 1

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasirymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

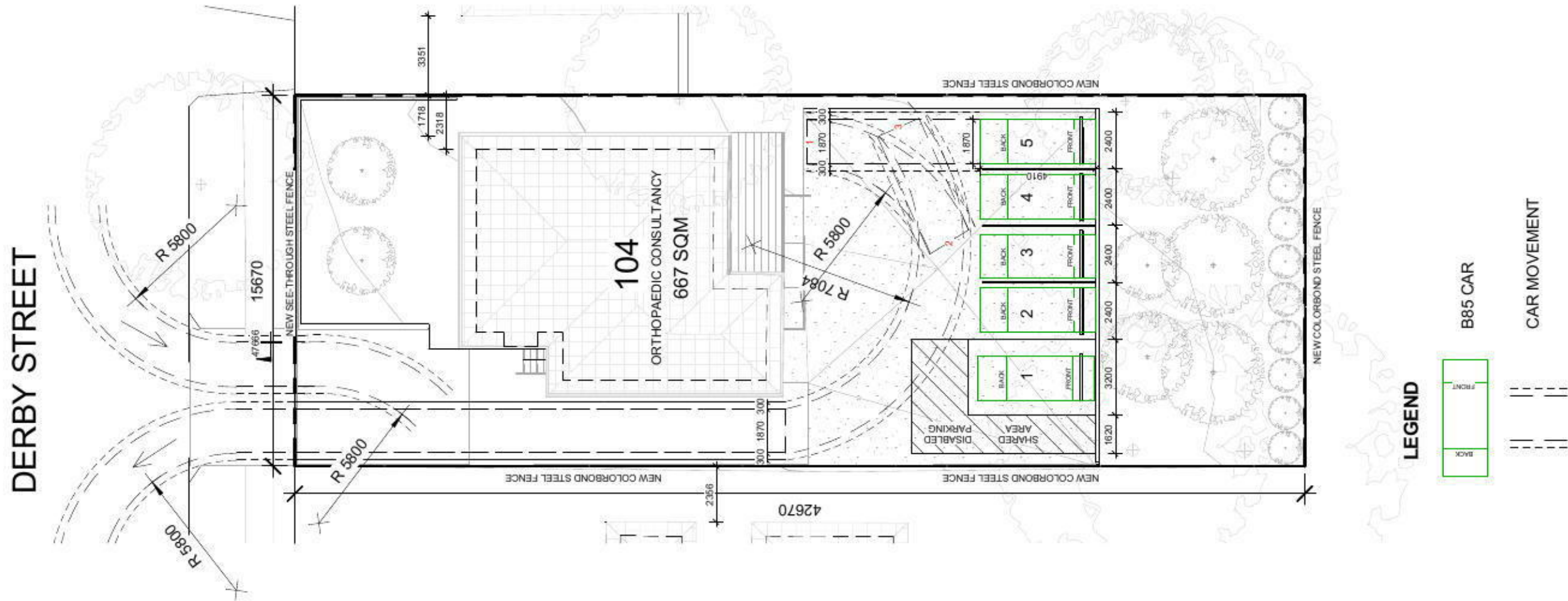
GENERAL NOTES:

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

SCHEDULE OF FINISHES

PROJECT NUMBER	1	DA - 20	A
DATE	09/05/2013		
DRAWN BY	MNASIRY		
CHECKED BY	Scale		
			1 : 1



**BUILDING
DESIGN &
DRAFT**

Mo Nasiry (BArch, MArch UNSW)
Building Designer
nasiryymm@gmail.com
mob. 0422 340 444
ABN: 55 126 247 967

GENERAL NOTES:

- STANDARD CAR SPACES ARE 2.4m x 4.8m BASED ON AS2890.1 (2004) CLASS 1A - RECOMMENDED CAR SPACE
- B85 VEHICLE DIMENSIONS AND MINIMUM TURNING CIRCLES HAVE BEEN USED FOR THIS DIAGRAM AS PER AS2890.1 (2004)
- DRIVEWAY WIDTH 3.5m WIDE, ENTRANCE DRIVEWAY 5.5m BY 5.5m DEEP INTO PROPERTY BOUNDARY TO ALLOW FOR 2 CAR ACCESS (AS2890.1 - 2004)
- DISABLED PARKING SPACE IS 3.2m x 5.4m WITH NOMINATED SPACE FOR SHARED AREA SURROUNDING CAR SPACE & PAVEMENT GRADIENT WITHIN PARKING ZONE TO BE NO STEEPER THAN 1:33 AS PER AS2890.6 (2009)
- refer to DA - A000B and Hydraulic Eng. Plan for proposed gradients

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

Figured dimensions are to be taken in preference to scaled dimensions. Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work. All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

CARPARK 5

PROJECT NUMBER	1	DA - 23	A
DATE	09/05/2013		
DRAWN BY	MNASIRY		
CHECKED BY		Scale	1 : 200

GENERAL NOTES:

- STANDARD CAR SPACES ARE 2.4m x 4.8m BASED ON AS2890.1 (2004) CLASS 1A - RECOMMENDED CAR SPACE
- B85 VEHICLE DIMENSIONS AND MINIMUM TURNING CIRCLES HAVE BEEN USED FOR THIS DIAGRAM AS PER AS2890.1 (2004)
- DRIVEWAY WIDTH 3.5m WIDE, ENTRANCE DRIVEWAY 5.5m BY 5.5m DEEP INTO PROPERTY BOUNDARY TO ALLOW FOR 2 CAR ACCESS (AS2890.1 - 2004)
- DISABLED PARKING SPACE IS 3.2m x 5.4m WITH NOMINATED SPACE FOR SHARED AREA SURROUNDING CAR SPACE & PAVEMENT GRADIENT WITHIN PARKING ZONE TO BE NO STEEPER THAN 1:33 AS PER AS2890.6 (2009)
- refer to DA - A000B and Hydraulic Eng. Plan for proposed gradients

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

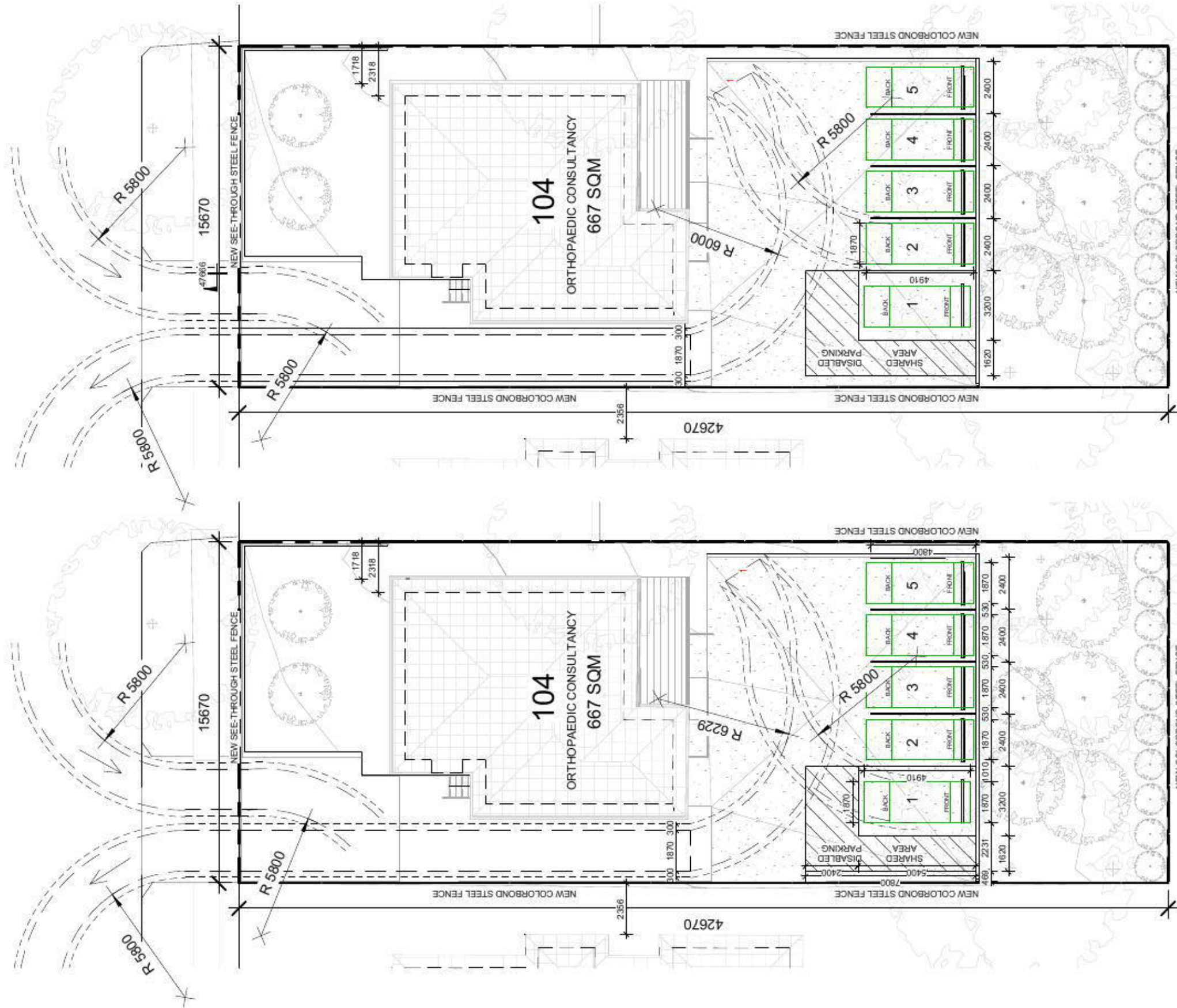
Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

CARPARK 1 & 2

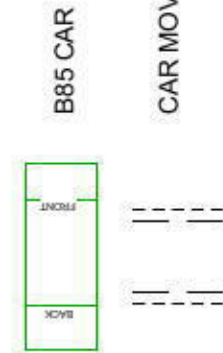
PROJECT NUMBER	1	DA - 21	A
DATE	09/05/2013		
DRAWN BY	MNASIRY		
CHECKED BY		Scale	1 : 200

DERBY STREET

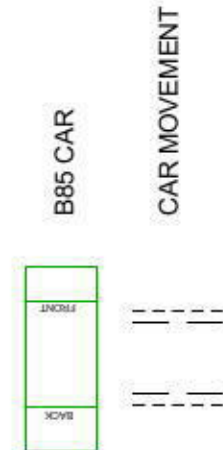
DERBY STREET



LEGEND



LEGEND



GENERAL NOTES:

- STANDARD CAR SPACES ARE 2.4m x 4.8m BASED ON AS2890.1 (2004) CLASS 1A - RECOMMENDED CAR SPACE
- B85 VEHICLE DIMENSIONS AND MINIMUM TURNING CIRCLES HAVE BEEN USED FOR THIS DIAGRAM AS PER AS2890.1 (2004)
- DRIVEWAY WIDTH 3.5m WIDE, ENTRANCE DRIVEWAY 5.5m BY 5.5m DEEP INTO PROPERTY BOUNDARY TO ALLOW FOR 2 CAR ACCESS (AS2890.1 - 2004)
- DISABLED PARKING SPACE IS 3.2m x 5.4m WITH NOMINATED SPACE FOR SHARED AREA SURROUNDING CAR SPACE & PAVEMENT GRADIENT WITHIN PARKING ZONE TO BE NO STEEPER THAN 1:33 AS PER AS2890.6 (2009)
- refer to DA - A000B and Hydraulic Eng. Plan for proposed gradients

Sol Qurashi
SQ Healthcare Consultancy
104 Derby St Penrith, NSW 2750

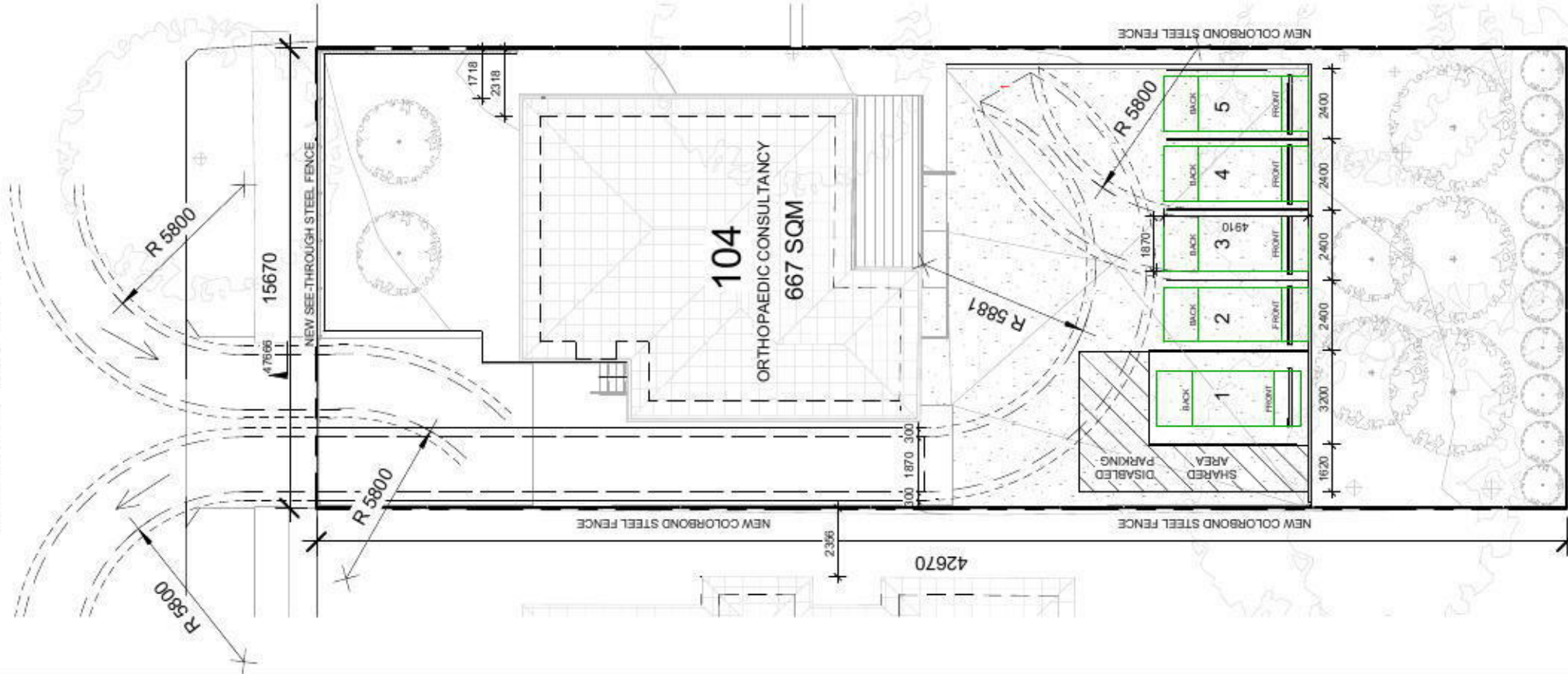
Figured dimensions are to be taken in preference to scaled dimensions.
Contractors shall verify all dimensions on the job before preparing shop drawings or commencing work.
All materials are to be used in accordance with manufacturer's specifications and instructions, and to comply with relevant regulations, BCA & Australian Standards.

CARPARK 3 & 4

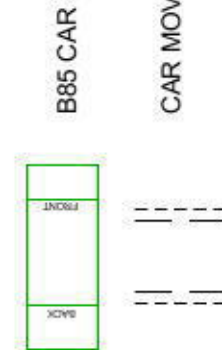
PROJECT NUMBER	1	DA - 22	A
DATE	09/05/2013		
DRAWN BY	MNASIRY		
CHECKED BY		Scale	1 : 200

DERBY STREET

DERBY STREET

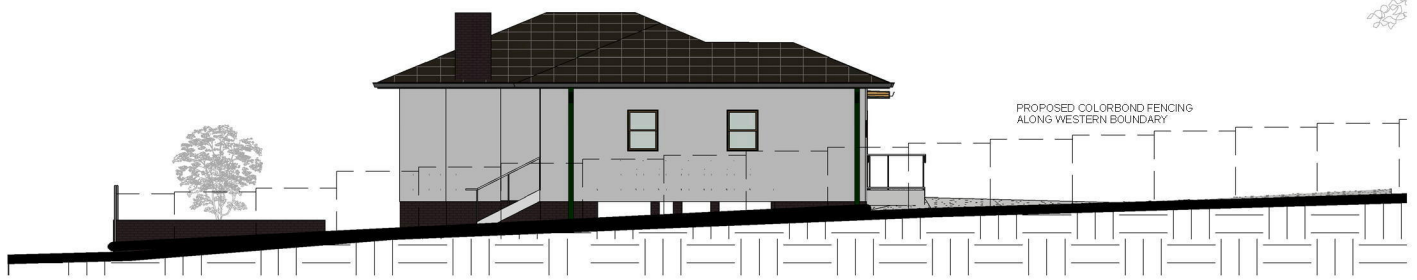


LEGEND



1 A007C - CAR MANOUEVERABILITY 3
1 : 200

2 A007D - CAR MANOUEVERABILITY 4
1 : 200



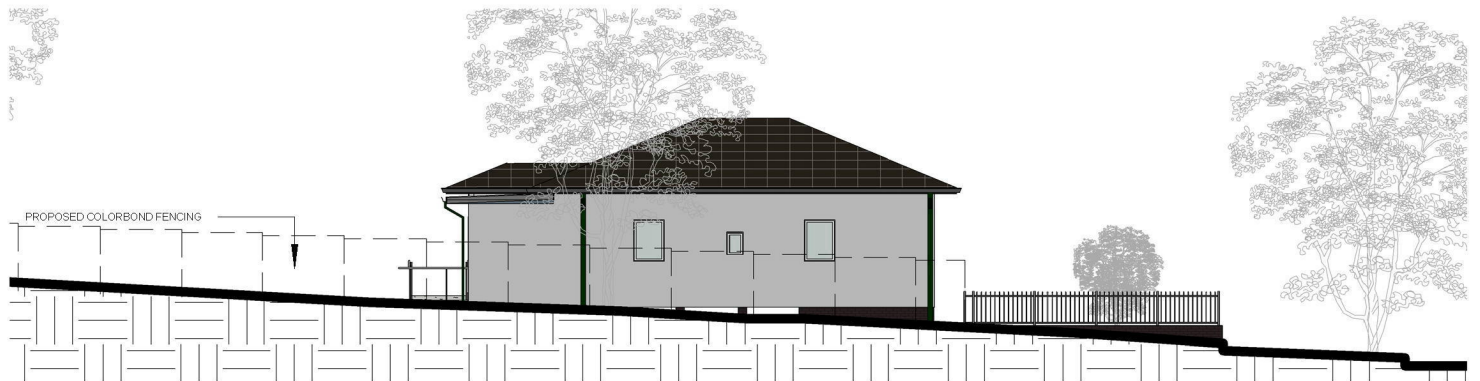
① NOTIFICATION - WEST
1 : 200



② NOTIFICATION - NORTH
1 : 200



③ NOTIFICATION - SOUTH
1 : 200



④ NOTIFICATION - EAST
1 : 200

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry

Mob: 0422 340 444

Email: nasiryymm@gmail.com

Sol Qurashi
SQ Healthcare Consultancy

NOTES:

NOTIFICATION ELEVATIONS

Project number 1

Date 09/05/2013

Drawn by MNASIRY

Checked by Checker

DA - 26

Rev.

A

Scale 1 : 200

DERBY STREET

15670

NEW SEE-THROUGH STEEL FENCE ON BRICK RETAINING WALL



BRICK WALL & SEE-THROUGH
STEEL FENCE @ RL 6800 AS
PER HYDR. ENG. DETAIL

NEW COLORBOND STEEL FENCE

NEW COLORBOND STEEL FENCE

NEW COLORBOND STEEL FENCE

104
ORTHOPAEDIC CONSULTANCY

102
INJURY &
OCCUPATIONAL
HEALTH CONSULTANCY

106
RESIDENTIAL

42670

2356
2973

3042
3642

1718
2318

3351
3959

1

NOTIFICATION - PROPOSED SITE

1 : 200

NEW COLORBOND STEEL FENCE

**BUILDING
DESIGN &
DRAFT**

Mo Nasiry

Mob: 0422 340 444

Email: nasirymm@gmail.com

Sol Qurashi
SQ Healthcare Consultancy

NOTES:

NOTIFICATION PLAN

Project number 1

Date 09/05/2013

Drawn by MNASIRY

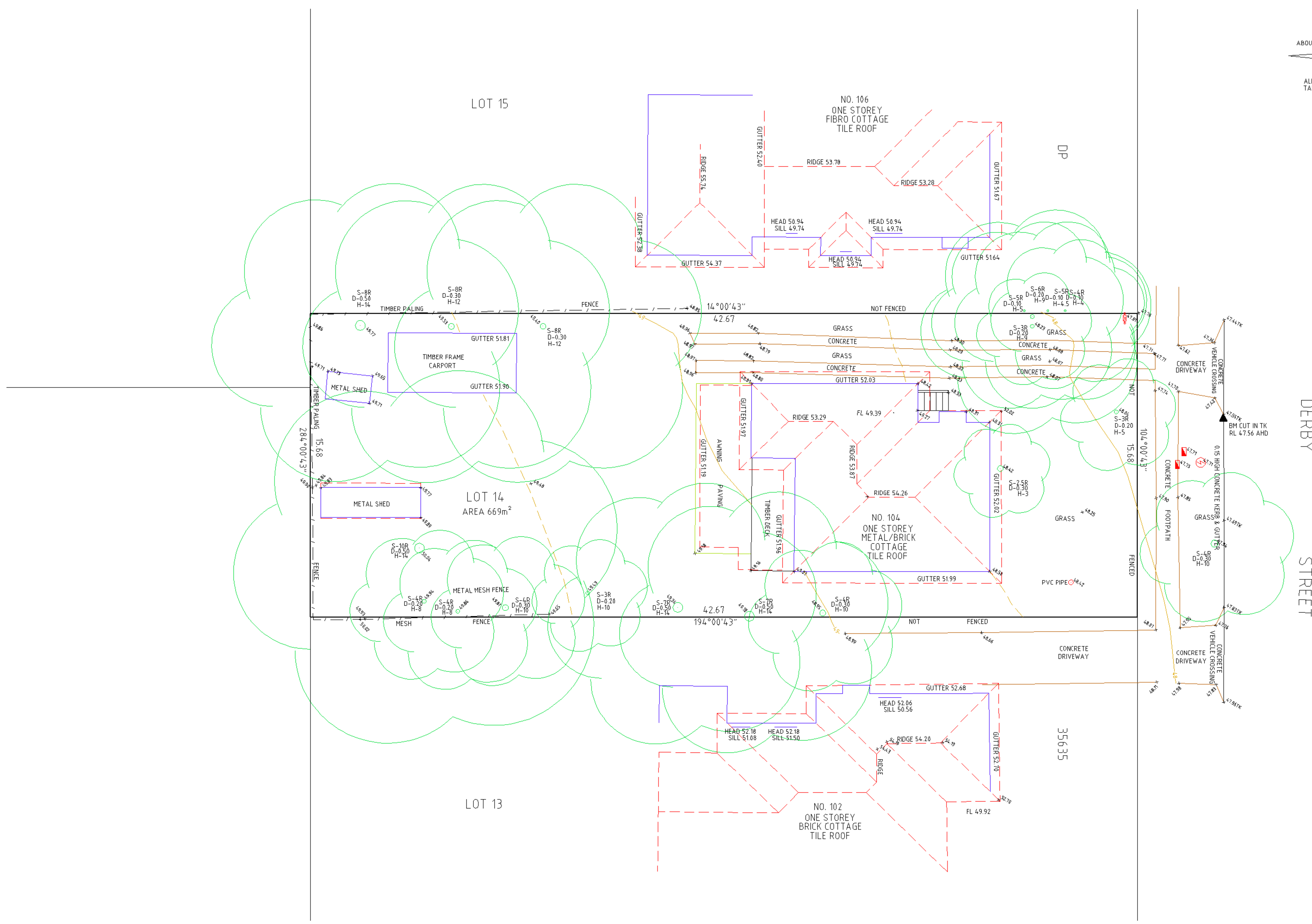
Checked by Checker

DA - 25

Rev.

A

Scale 1 : 200



NOTE: A BOUNDARY SURVEY HAS BEEN CARRIED OUT
THE EXACT LOCATION OF UNDERGROUND SERVICES IS UNKNOWN

	BENCH MARK		TELSTRA PIT		WATER METER		SEWER MAN HOLE		LIGHT POLE
	TREES		HYDRANT		GAS METER		POWER POLE		DRAIN / GRATE

SHEET 01 OF 01	REF : 12496
	SCALE : 1 : 100@A1
REGISTERED SURVEYOR	GRID :
	DATUM : AHD
	DATE : 28/2/2013

JOHN K. WICKS AND ASSOCIATES
CONSULTING SURVEYORS
SUITE 7 / 14 FRENCH AVENUE BANKSTOWN 2200
PHONE 02 9708 0177 FACSIMILE 02 9708 0255
EMAIL info@sydneysurveyors.com.au

CONCEPT STORMWATER MANAGEMENT PLANS

PROPOSED HEALTHCARE CONSULTANCY DEVELOPMENT

No. 104 DERBY STREET, PENRITH NSW 2750

LEGEND

	GRATED INLET PIT
450x450	450mm SQUARE INTERNAL
GRT 75.54	GRATE LEVEL = RL 75.54
IL 75.12	INVERT LEVEL = RL 75.12
	INSPECTION OPENING CAP
	PROPOSED DOWNPIPE 90mm dia or 100mm x 50mm RECTANGULAR UNO
	EXISTING TREE
	GRATED TRENCH DRAIN
	GRATED ROUND OUTLET 100mm DIAMETER
	PROPOSED DOWNPIPE SPREADER
	STRUCTURE No 1 (FOR HYDRAULIC CALCS)
	STORMWATER DRAINAGE
	100 DIA CHARGED - ROOF ONLY UNO

STORMWATER DETENTION (OSD) CALCULATIONS

DESIGN CODE: DEVELOPMENT CONTROL PLAN 2010: C3 WATER MANAGEMENT

SITE AREA: 667m²

PROPOSED HEALTHCARE CONSULTANCY

COUNCIL'S DEVELOPMENT ENGINEERS HAVE PROVIDED PRE-DA ADVICE WITH THE FOLLOWING OSD PARAMETERS FOR THE THE SUBJECT SITE:

SITE STORAGE REQUIREMENT: 240m³/ha
PERMITTED SITE DISCHARGE: 120 l/s/ha

THEREFORE

OSD VOLUME REQUIRED: $240 \times 0.0667 = 16.0\text{m}^3$
PSD = $120 \times 0.0667 = 8\text{l/s}$

ABOVE GROUND BASIN PROPOSED THEREFORE ADDITIONAL 25% VOLUME REQUIRED
THEREFORE = $16 \times 1.25 = 20\text{m}^3$.

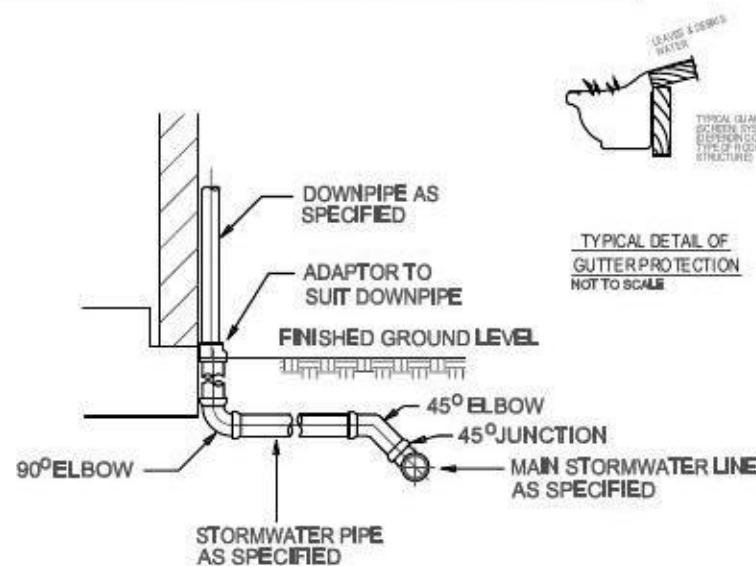
PROVIDE ABOVE GROUND DETENTION BASIN WITHIN FRONT SETBACK WITH MAXIMUM PONDING OF 450mm AS SHOWN.

REFER SHEETS D2 & D3 FOR FURTHER DESIGN.

DESIGN BASED ON AR & R, AS 3500 & RELEVANT STORMWATER MANAGEMENT CODE.

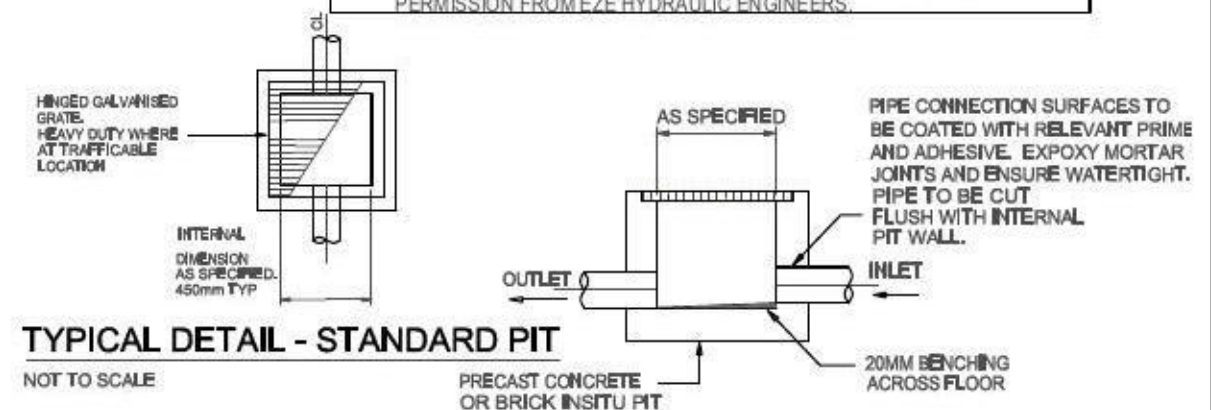
GENERAL NOTES

1. FINAL LOCATION OF NEW DOWNPIPES TO BE DETERMINED BY BUILDER/ARCHITECT AT TIME OF CONSTRUCTION.
2. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS AND OTHER CONSULTANTS DRAWINGS. ANY DISCREPANCIES TO BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH WORK.
3. ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH AS/NZS 3500.3:2003 STORMWATER DRAINAGE, BCA AND LOCAL COUNCIL POLICY/CONSENT/REQUIREMENTS.
4. ALL DIMENSIONS AND LEVELS TO BE VERIFIED BY BUILDER ON-SITE PRIOR TO COMMENCEMENT OF WORKS. THESE DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS NOR TO BE USED FOR SETOUT PURPOSES.
5. ALL SURVEY INFORMATION AND PROPOSED BUILDING AND FINISHED SURFACE LEVELS SHOWN IN THESE DRAWINGS ARE BASED ON LEVELS OBTAINED FROM DRAWINGS BY OTHERS.
6. THESE DRAWINGS DEPICT THE DESIGN OF SURFACE STORMWATER RUNOFF DRAINAGE SYSTEMS ONLY AND DO NOT DEPICT ROOF DRAINAGE OR SUBSOIL DRAINAGE SYSTEMS UNLESS NOTED OTHERWISE. THE DESIGN OF ROOF AND SUBSOIL DRAINAGE SYSTEMS IS THE RESPONSIBILITY OF OTHERS.
7. ALL STORMWATER DRAINAGE PIPES ARE TO BE 100mm DIAMETER uPVC AT MINIMUM 1% GRADE UNLESS NOTED OTHERWISE.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE AND LEVEL ALL EXISTING SERVICES OR OTHER STRUCTURES WHICH MAY AFFECT/BE AFFECTED BY THIS DESIGN PRIOR TO COMMENCEMENT OF WORKS.
9. ALL PITS WITHIN DRIVEWAYS TO BE 150mm THICK CONCRETE OR EQUAL.
10. THIS PLAN IS THE PROPERTY OF EZE HYDRAULIC ENGINEERS AND MAY NOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION FROM EZE HYDRAULIC ENGINEERS.



TYPICAL DETAIL - DOWNPIPE CONNECTION
NOT TO SCALE

CONCEPT ONLY
NOT FOR CONSTRUCTION



A	05.05.13	DA ISSUE
ISS	DATE	AMENDMENT

ARCHITECT/BUILDER
BUILDING DESIGN & DRAFT

CLIENT
SOL QURASHI

EZE HYDRAULIC ENGINEERS

Pty Ltd ACN 132 548 853

CONSULTING ENGINEERS
CIVIL & STORMWATER MANAGEMENT

Ph: (02) 9745 1403 Mobile: 0405507654
Fax: (02) 94754315 Email: info@ezeeng.com.au

DWG TITLE
COVER SHEET & CALCULATIONS

PROJECT TITLE
PROPOSED NEW HEALTHCARE CONSULTANCY
No. 104 DERBY STREET, PENRITH NSW 2750

DESIGNED BY:

EZ

ISSUED BY:

BE MIE AUST PENG

JOB No	DWG No	No IN SET	ISSUE
10855	D1	3	A

NOTE
THIS DRAWING IS FOR STORMWATER
MANAGEMENT DESIGN AND DOES
NOT COVER ANY OVERLAND FLOW
DESIGN REQUIREMENTS.

NOTE
THIS DRAWING IS NOT TO BE USED
FOR SETOUT PURPOSES. REFER TO
ARCHITECTURAL DRAWINGS.

NOTE
LOCATION OF NEW PITS
SHOWN ON THIS DRAWING ARE
SUBJECT TO VERIFICATION BY
BUILDER DURING CONSTRUCTION.
PIT LOCATIONS MAY BE VARIED
PROVIDED INTENT OF THIS DESIGN
IS MAINTAINED.

NOTE
LOCATION OF NEW DOWNPIPES
SHOWN ON THIS DRAWING ARE
SUBJECT TO VERIFICATION BY
BUILDER DURING CONSTRUCTION.
DOWNPIPE LOCATION MAY BE VARIED
PROVIDED INTENT OF THIS DESIGN
IS MAINTAINED.

PIT P2: 600 x 600 SQ
GRATE RL: 49.20 nom
INVERT: 48.70

PIT P3: 600 x 600 SQ
GRATE RL: 49.05 nom
INVERT: 48.70

PIT P1: 600 x 600 SQ
GRATE RL: 48.05 nom
INVERT: 47.70

STORMWATER DETENTION BASIN-ABOVE GROUND
EXTENT OF BASIN SHOWN SHADED.
DESIGN AREA = 50m²
AVERAGE DEPTH = 400mm
MAXIMUM DEPTH = 450 mm
TOP WATER LEVEL = RL 48.50
DESIGN VOLUME = 20.0m³
DISCHARGE CONTROL PIT: REFER SHEET D3
BASIN OVERFLOW: FRONT FENCE WEIR OVERFLOW
OSD BASIN TO BE MASONRY, WATERTIGHT & WITHIN
PROPERTY BOUNDARY TO SEPARATE STRUCTURAL
ENGINEERS DETAIL.

DISCHARGE TO KERB & GUTTER
TO COUNCIL REQUIREMENTS.
USE 200 x 100 x 6 RHS 1% MIN OUTLET
IL 47.41 TO BE CONFIRMED PRIOR TO
COMMENCEMENT OF WORKS.

DCP-P1: 900 x 900 SQ
GRATE RL: 48.00 nom
INVERT PIPE: 47.50
INVERT PIT: 47.30
REFER TYPICAL SECTION
SHEET D3

PIT P6: 600 x 600 SQ
GRATE RL: 48.30 nom
INVERT: 47.90

PIT P5: 600 x 600 SQ
GRATE RL: 48.00 nom
INVERT: 48.30

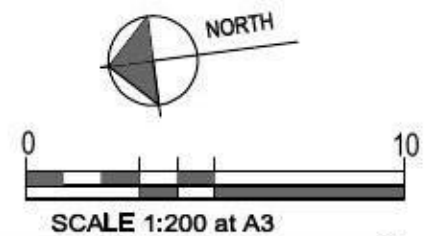
PIT P4: 600 x 600 SQ
GRATE RL: 49.265 nom
INVERT: 48.70

WARNING
LOCATION AND DEPTH OF ALL
UNDERGROUND SERVICES TO
BE INVESTIGATED WITH THE
RELEVANT AUTHORITIES PRIOR
TO COMMENCING WORKS.



CONCEPT ONLY
NOT FOR CONSTRUCTION

NOTE
THIS DRAWING IS TO BE READ
IN CONJUNCTION WITH
ARCHITECTURAL DRAWINGS:
BUILDING DESIGN & DRAFT
PROJECT NO. 1
DATED 02.02.2013



STORMWATER MANAGEMENT PLAN
SCALE 1: 200 A3

A	05.05.13	DA ISSUE
ISS	DATE	AMENDMENT

ARCHITECT/BUILDER
BUILDING DESIGN & DRAFT

CLIENT
SOL QURASHI

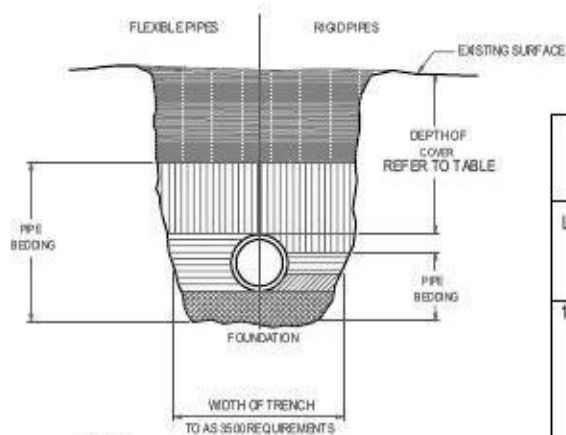
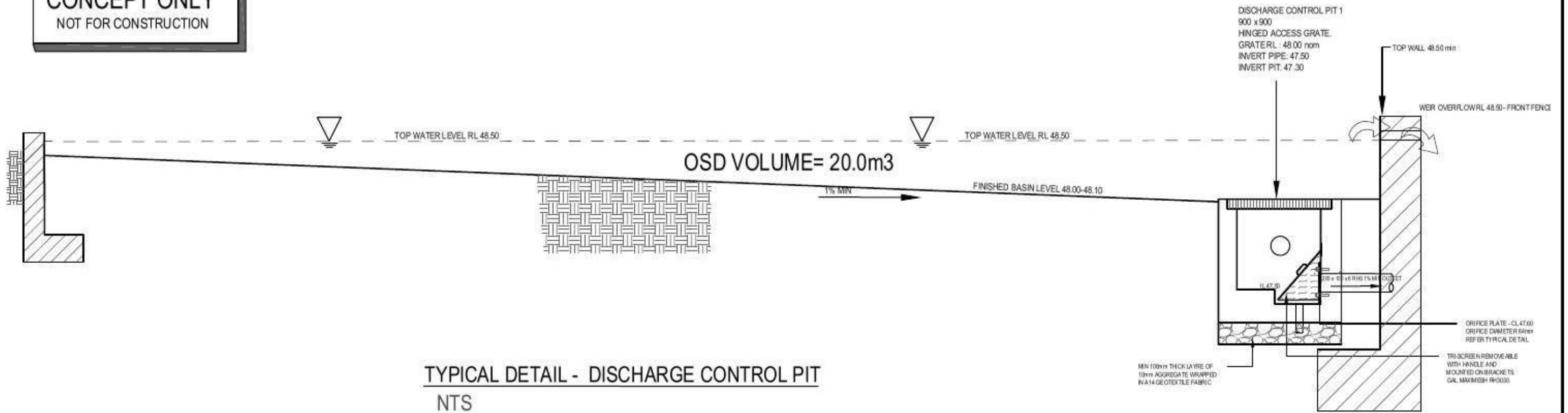
EZE HYDRAULIC ENGINEERS
Pty Ltd ACN 132 548 853
Ph: (02) 9745 1403 Fax: (02) 94754315
CONSULTING ENGINEERS
CIVIL & STORMWATER MANAGEMENT
Mobile: 0405507654 Email: info@ezeeng.com.au

DWG TITLE **STORMWATER MANAGEMENT PLAN**

PROJECT TITLE
PROPOSED NEW HEALTHCARE CONSULTANCY
No. 104 DERBY STREET, PENRITH NSW 2750

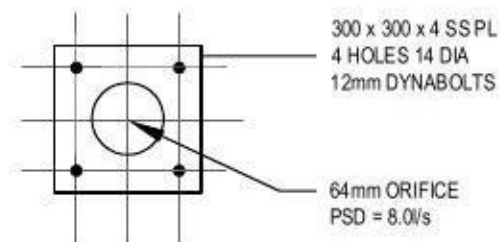
DESIGNED BY: EZ		ISSUED BY:  BE MIE AUST PENG	
JOB No 10855	DWG No D2	No IN SET 3	ISSUE A

CONCEPT ONLY
NOT FOR CONSTRUCTION



MINIMUM PIPE COVER (FROM FINISHED SURFACE TO TOP OF PIPE)		
LOCATION	MINIMUM COVER (mm)	
	CAST/DUCTILE IRON GAL STEEL	OTHER AUTHORISED PRODUCTS (*)
1. NOT SUBJECT TO VEHICULAR LOADING:		
A. WITHOUT PAVEMENT:		
i. FOR SINGLE DWELLINGS -	0	100
ii. OTHER THAN SINGLE DWELLINGS -	0	300
B. WITH PAVEMENT OF BRICK/UNREINFORCED CONCRETE -	0 (**)	50 (**)
2. SUBJECT TO VEHICULAR LOADING:		
A. OTHER THAN ROADS:		
i. WITHOUT PAVEMENT -	300	450
ii. WITH PAVEMENT OF:		
- REINF. CONC. FOR HEAVY VEHICLES -	0 (** #)	100 (** #)
- BRICK/UNREINF. CONC LIGHT VEHICLES -	0 (** #)	75 (** #)
B. ROADS		
i. SEALED	300	500 (#)
ii. UNSEALED	300	500 (#)
3. SUBJECT TO CONSTRUCTION VEHICLES OR IN EMBANKMENT CONDITIONS	300	500 (#)
(*) INCLUDES OVERLAY ABOVE THE TOP OF THE PIPE OF NOT LESS THAN 50mm THICK		
(**) BELOW THE UNDERSIDE OF THE PAVEMENT		
#) SUBJECT TO COMPLIANCE WITH AS1762, AS2033, AS/NZS 2566.1, AS3725 OR AS 4060		

To Calculate Orifice Size Plate	
D(Orifice Size)mm	$D=21.9 \cdot (PSD/(h^{.5}))^{.5}$
PSD(Permitted Site Discharge) L/s	63.59580675
h(Pressure Head)	8
	0.9



TYPICAL DETAIL - ORIFICE PLATE
NTS

CONCEPT ONLY
NOT FOR CONSTRUCTION

A	05.05.13	DA ISSUE
ISS	DATE	AMENDMENT

ARCHITECT/BUILDER
BUILDING DESIGN & DRAFT

CLIENT
SOL QURASHI

EZE HYDRAULIC ENGINEERS
Pty Ltd ACN 132 548 853

CONSULTING ENGINEERS
CIVIL & STORMWATER MANAGEMENT

Ph: (02) 9745 1403
Fax: (02) 94754315

Mobile: 0405507654
Email: info@ezeeng.com.au

DWG TITLE
TYPICAL DETAILS

PROJECT TITLE
PROPOSED NEW HEALTHCARE CONSULTANCY
No. 104 DERBY STREET, PENRITH NSW 2750

DESIGNED BY:
EZ

ISSUED BY:
BE MIE AUST PENG

JOB No	DWG No	No IN SET	ISSUE
10855	D3	3	A

EROSION AND SEDIMENT CONTROL PLANS

PROPOSED HEALTHCARE CONSULTANCY DEVELOPMENT

No.104 DERBY STREET, PENRITH NSW 2750

GENERAL NOTES

1. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN IN THIS PLAN ARE CONCEPT MEASURES ONLY AND IT IS THE RESPONSIBILITY OF THE SITE SUPERINTENDENT TO ENSURE THAT ALL CONSTRUCTION WORKS PROCEED IN ACCORDANCE WITH THE RELEVANT CODES INCLUDING "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION, VOLUME 1" (THE BLUE BOOK, LANDCOM, 2004) AND THE LOCAL COUNCIL'S EROSION CONTROL POLICY AND THE DEVELOPMENT CONSENT IRRESPECTIVE OF THE MEASURES SHOWN IN THIS PLAN.
2. ALL SUBCONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES IN REDUCING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE AREAS.
3. THIS SOIL AND WATER MANAGEMENT PLAN IS TO BE READ IN CONJUNCTION WITH OTHER ENGINEERING PLANS RELATING TO THIS DEVELOPMENT.

LAND DISTURBANCE NOTES

1. DISTURBANCE TO BE LIMITED TO 2 METRES MINIMUM AND 5 METRES MAXIMUM FROM ESSENTIAL WORKS.
2. ACCESS TO THE SITE TO BE LIMITED TO A SINGLE LOCATION WHICH IS CLEARLY MARKED AND FENCED AS REQUIRED.
3. ENTRY TO LAND NOT AFFECTED BY ESSENTIAL WORKS TO NOT BE PERMITTED AND BE SUITABLY PROTECTED BY BARRIER FENCING AS REQUIRED.
4. WORKS ARE TO GENERALLY PROCEED IN THE FOLLOWING SEQUENCE:
 - A. INSTALL ALL BARRIER AND SEDIMENT FENCING WHERE SHOWN ON THE PLAN.
 - B. CONSTRUCT THE STABILISED SITE ACCESS.
 - C. CONSTRUCT DIVERSION DRAINS AS REQUIRED.
 - D. INSTALL MESH AND GRAVEL INLETS FOR ANY ADJACENT KERN INLETS.
 - E. CLEAR SITE AND STRIP AND STOCKPILE TOPSOIL IN LOCATIONS SHOWN ON PLAN.
 - F. UNDERTAKE ALL ESSENTIAL CONSTRUCTION WORKS ENSURING THAT ROOF AND/OR PAVED AREA STORMWATER SYSTEMS ARE CONNECTED TO PERMANENT DRAINAGE AS SOON AS POSSIBLE.
 - G. GRADE LOT AREAS TO FINAL GRADES AND APPLY PERMANENT STABILISATION (LANDSCAPING) WITHIN 20 DAYS OF COMPLETION OF CONSTRUCTION WORKS.
 - H. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER THE PERMANENT LANDSCAPING HAS BEEN COMPLETED.
 - I. REVIEW, REPAIR, UPGRADE OR ADD EROSION CONTROL MEASURES WEEKLY AND AFTER EVERY STORM EVENT.
5. ON COMPLETION OF MAJOR WORKS LEAVE DISTURBED AREAS WITH A SCARIFIED SURFACE TO ENCOURAGE WATER INFILTRATION AND ASSIST WITH KEYING TOPSOIL LATER.

INSPECTION AND MAINTENANCE NOTES

1. SITE SUPERINTENDENT TO INSPECT SITE WEEKLY AND AFTER EVERY STORM EVENT FOR:
 - i. EROSION CONTROL MEASURES IN WORKING ORDER.
 - ii. ASSESS AND REMOVE SEDIMENT ACCUMULATION.
 - iii. DISTURBED/REHABILITATED AREAS HAVE ADEQUATE GROUND COVER.
 - iv. ASSESS EFFECTIVENESS AND INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS REQUIRED.

SEDIMENT CONTROL NOTES

1. INSTALL SEDIMENT FENCES AS SHOWN ON PLAN AND/OR WHERE REQUIRED AS DETERMINED BY SITE SUPERINTENDENT.
2. SEDIMENT FENCES TO HAVE MAXIMUM CATCHMENT AREA OF 900 SQUARE METRES AND MINIMUM STORAGE DEPTH OF 600mm.
3. DO NOT PLACE STOCKPILES OR DISTURB LAND WITHIN 5 METRES OF AREAS SUBJECT TO HIGH VELOCITY CONCENTRATED OVERLAND FLOW.
4. EARTH BATTERS TO HAVE MINIMUM PRACTICABLE GRADIENT.

REHABILITATION NOTES

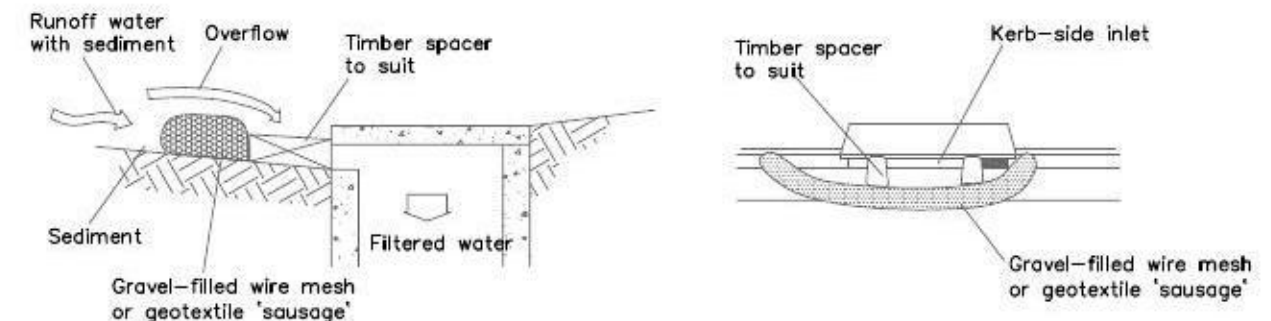
1. STOCKPILES TO HAVE MINIMUM GROUND COVER OF 60% WITHIN 10 WORKING DAYS OF PLACEMENT.
2. ALL DISTURBED LAND TO HAVE MINIMUM GROUND COVER OF 50% WITHIN 20 WORKING DAYS OF EXPOSURE.
3. FOR DISTURBED LAND SUBJECT TO SHEET FLOW USE TEMPORARY GROUND COVER SPECIES SUCH AS JAPANESE MILLET AND OATS AT 20 kg/ha.
4. EARTH BATTERS WILL BE CONSTRUCTED WITH AS LOW A GRADIENT AS PRACTICABLE BUT NO STEEPER, UNLESS OTHERWISE NOTED, THAN:
 - A. 2(H) : 1(V) WHERE SLOPE LENGTH LESS THAN 12 m.
 - B. 2.5(H) : 1(V) WHERE SLOPE LENGTH BETWEEN 12 AND 16 m.
 - C. 3(H) : 1(V) WHERE SLOPE LENGTH BETWEEN 16 AND 20 m.
 - D. 4(H) : 1(V) WHERE SLOPE LENGTH GREATER THAN 20m.
5. ALL WATERWAYS, DRAINS, SPILLWAYS AND OUTLETS TO BE CONSTRUCTED TO BE STABLE UP TO 20 YEAR ARI EVENT.
6. REVEGETATION SHOULD BE AIMED AT ESTABLISHING NATURAL SPECIES. NATURAL SOIL SURFACES SHOULD BE REPLACED AND NON-PERSISTANT ANNUAL COVER CROPS SHOULD BE USED.

WASTE CONTROL NOTES

1. PROVIDE WATERTIGHT CHEMICAL RESISTANT RECEPTACLES FOR LIQUID WASTE DISPOSAL SUCH AS CONCRETE AND MORTAR SLURRIES, ACIDS AND PAINTS. ALSO PROVIDE GENERAL WASTE RECEPTACLES.
2. WASTE REMOVAL SERVICES TO BE PROVIDED AT LEAST WEEKLY.
3. ALL WASTE TO BE PLACED WITHIN CONTAINMENT BUNDS OR FENCING TO PREVENT POLLUTION RUNOFF.
4. PROVIDE VEHICLE WASHDOWN AND MAINTENANCE AREA CONTAINED WITHIN SUITABLE BUNDS/FENCING.
5. ALL SITE STAFF AND SUB-CONTRACTORS ARE TO BE INFORMED OF THEIR OBLIGATION TO USE WASTE CONTROL FACILITIES.

CONCEPT ONLY
NOT FOR CONSTRUCTION

PLACE GRAVEL SAUSAGE AROUND THE NEAREST DOWNSTREAM COUNCIL STORMWATER PIT DERBY STREET.



GRAVEL AND MESH INLET FILTER

(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)

A	05.05.13	DA ISSUE
ISS	DATE	AMENDMENT

ARCHITECT/BUILDER
BUILDING DESIGN & DRAFT

CLIENT
SOL QURASHI

EZE HYDRAULIC ENGINEERS

Pty Ltd ACN 132 548 853

Ph: (02) 9745 1403
Fax: (02) 94754315

CONSULTING ENGINEERS
CIVIL & STORMWATER MANAGEMENT

Mobile: 0405507654
Email: info@ezeeng.com.au

DWG TITLE
COVER SHEET AND INSTRUCTIONS

PROJECT TITLE
PROPOSED NEW HEALTHCARE CONSULTANCY
No. 104 DERBY STREET, PENRITH NSW 2750

DESIGNED BY:

EZ

ISSUED BY:

BE MIE AUST PENG

JOB No	DWG No	No IN SET	ISSUE
10855	E1	3	A

NO MATERIAL TO BE
STORED ON FOOTPATH

TOPSOIL STOCKPILE
LOCATION IF REQUIRED

INSTALL SEDIMENT FENCING.
REFER DETAIL SHEET E3.
WHERE UNDER CANOPIES OF
PROTECTED TREES, FENCE
TO BE HELD ON GROUND BY
TIGHT PACKED SANDBAGS AND
NOT DUG INTO GROUND.

NO MATERIAL TO BE
STORED ON FOOTPATH

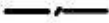
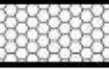
EARTHWORKS NOTES

1. EARTHWORKS TO BE LIMITED
TO ESSENTIAL CONSTRUCTION
WORKS AREAS ONLY.
2. SURPLUS EARTH TO BE EXPORTED
TO APPROVED DISPOSAL SITE.
3. REFER TO STAGING NOTES
ON SHEET E1.

WASTE DISPOSAL ROUTE

WASTE TO BE TRANSPORTED FROM SITE
TO APPROVED DISPOSAL FACILITY IN
ACCORDANCE WITH LOCAL COUNCIL'S
ROAD LOAD LIMIT POLICY.

LEGEND

-  SEDIMENT FENCE
-  BARRIER FENCE
-  DRAINAGE PIT PROTECTION
-  STABILISED SITE ACCESS
-  WASTE STORAGE AREA
-  DIVERSION BERM

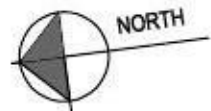
NO MATERIAL TO BE
STORED ON FOOTPATH

INSTALL SEDIMENT FENCING.
REFER DETAIL SHEET E3.
WHERE UNDER CANOPIES OF
PROTECTED TREES, FENCE
TO BE HELD ON GROUND BY
TIGHT PACKED SANDBAGS AND
NOT DUG INTO GROUND.

WASTE STORAGE AREA.
PROVIDE SOLID AND LIQUID
WASTE RECEPTACLE BINS.

INSTALL SEDIMENT FENCING.
REFER DETAIL SHEET E3.
WHERE UNDER CANOPIES OF
PROTECTED TREES, FENCE
TO BE HELD ON GROUND BY
TIGHT PACKED SANDBAGS AND
NOT DUG INTO GROUND.

CONCEPT ONLY
NOT FOR CONSTRUCTION



SCALE 1:200 at A3

A	05.05.13	DA ISSUE
ISS	DATE	AMENDMENT

ARCHITECT/BUILDER
BUILDING DESIGN & DRAFT

CLIENT
SOL QURASHI

EZE HYDRAULIC ENGINEERS

Pty Ltd ACN 132 548 853

CONSULTING ENGINEERS
CIVIL & STORMWATER MANAGEMENT

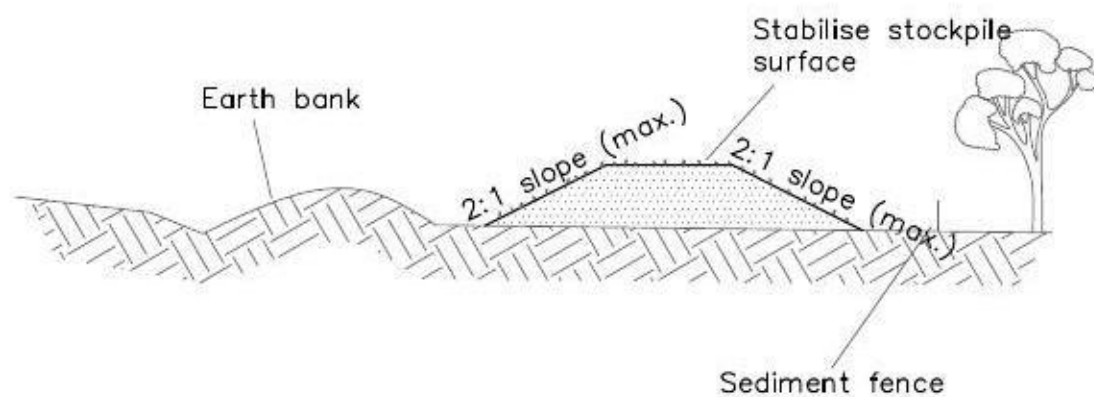
Ph: (02) 9745 1403
Fax: (02) 94754315

Mobile: 0405507654
Email: info@ezeeng.com.au

DWG TITLE
EROSION AND SEDIMENT CONTROL PLAN

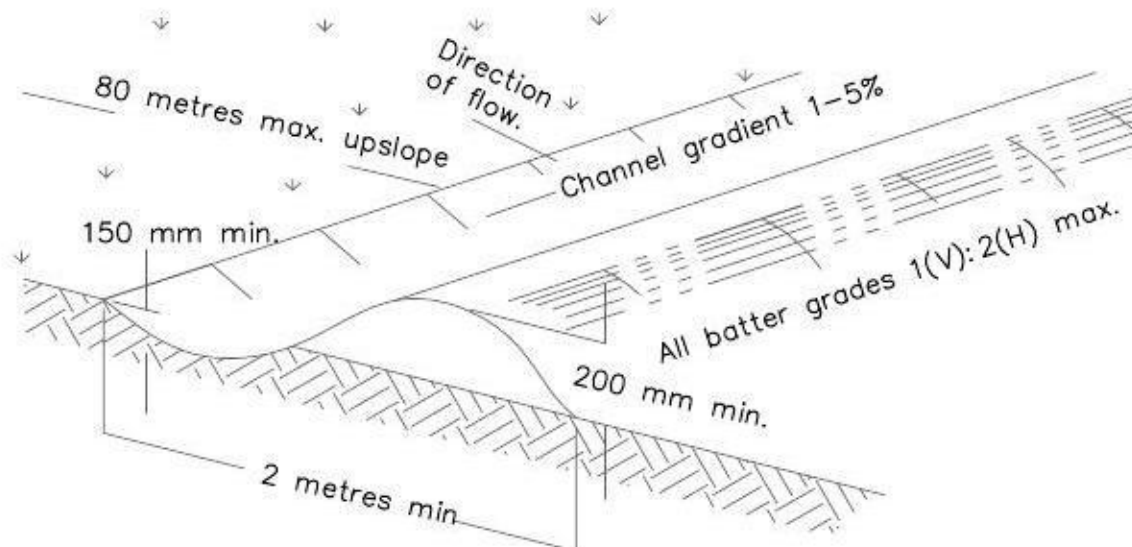
PROJECT TITLE
PROPOSED NEW HEALTHCARE CONSULTANCY
No. 104 DERBY STREET, PENRITH NSW 2750

DESIGNED BY : EZ		ISSUED BY :  BE MIE AUST PENG	
JOB No 10855	DWG No E2	No IN SET 3	ISSUE A



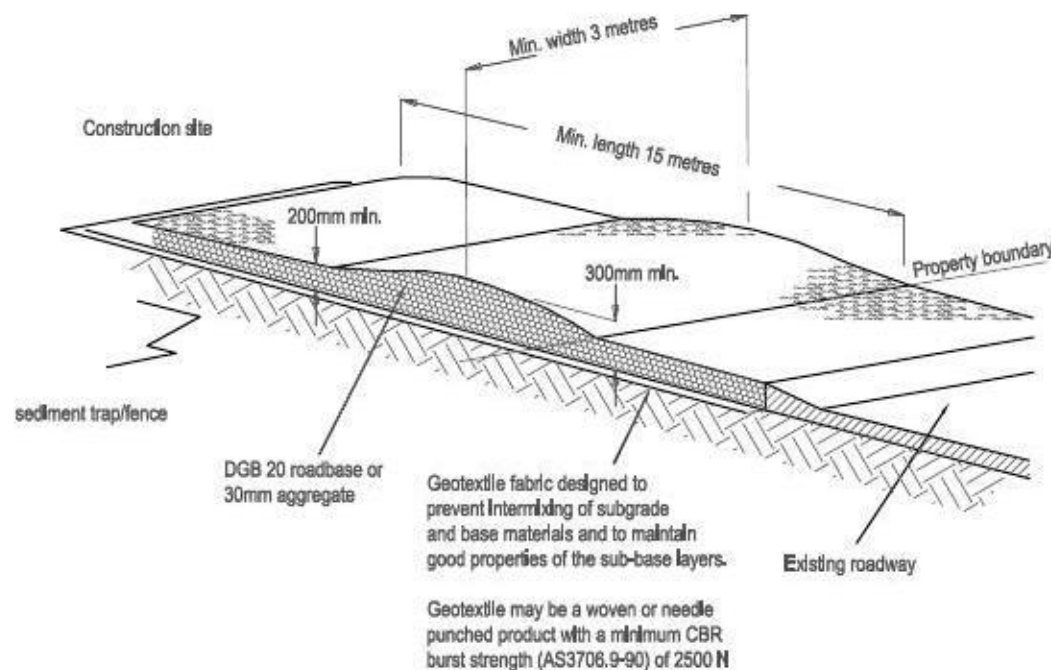
TYPICAL STOCKPILE DETAIL

(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)



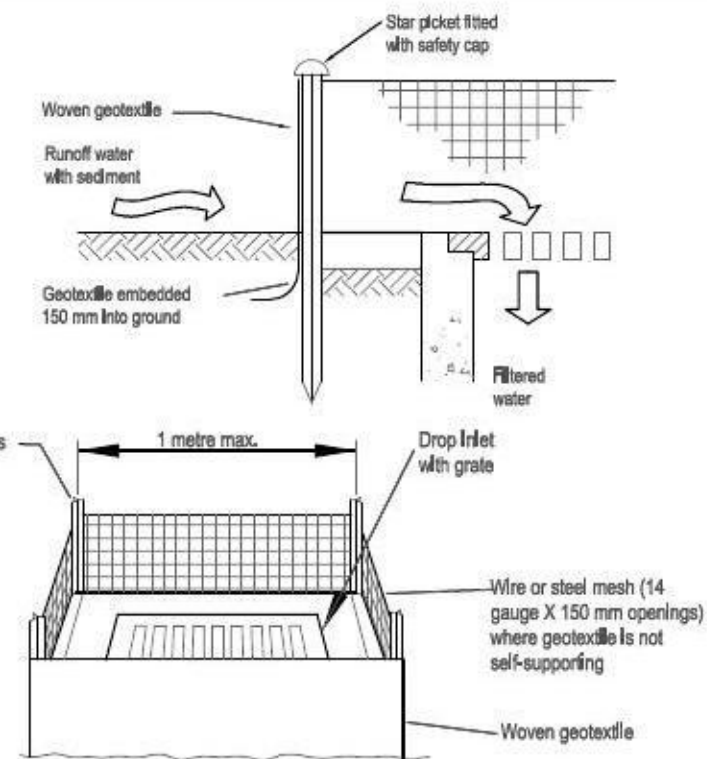
TYPICAL DIVERSION DRAIN

(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)



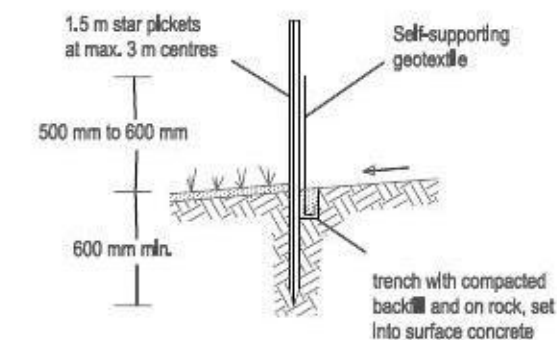
DETAIL - STABILISED SITE ACCESS

(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)

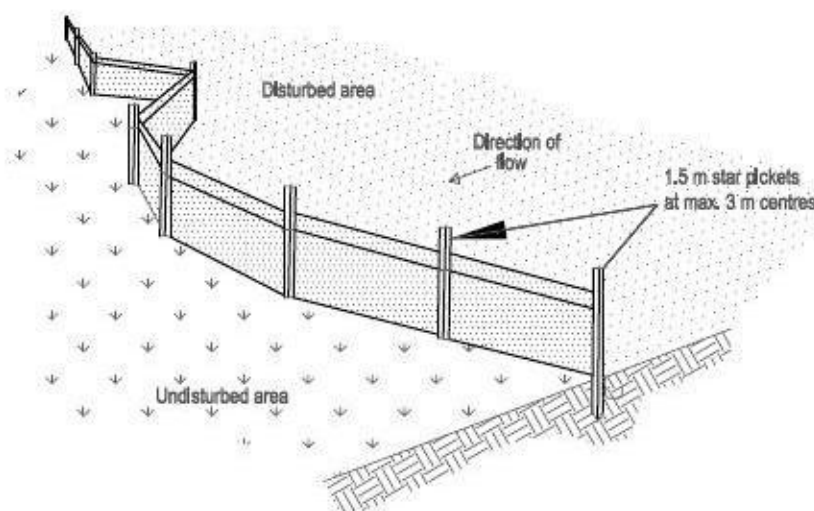


DETAIL PIT PROTECTION

(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)

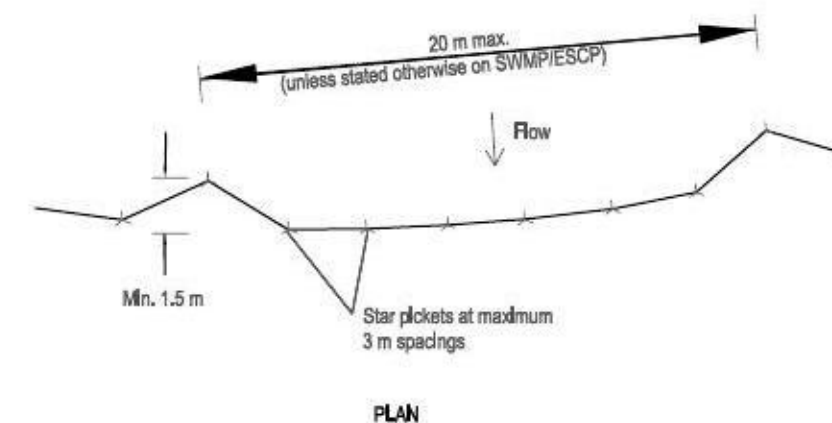


SECTION DETAIL



DETAIL - SEDIMENT FENCING

(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)



PLAN

A	05.05.13	DA ISSUE
ISS	DATE	AMENDMENT

ARCHITECT/BUILDER
BUILDING DESIGN & DRAFT

CLIENT
SOL QURASHI

EZE HYDRAULIC ENGINEERS

Pty Ltd ACN 132 548 853

Ph: (02) 9745 1403
Fax: (02) 94754315

CONSULTING ENGINEERS
CIVIL & STORMWATER MANAGEMENT

Mobile: 0405507654
Email: info@ezeeng.com.au

DWG TITLE
EROSION AND SEDIMENT CONTROL DETAILS

PROJECT TITLE
PROPOSED NEW HEALTHCARE CONSULTANCY
No. 104 DERBY STREET, PENRITH NSW 2750

DESIGNED BY:

EZ

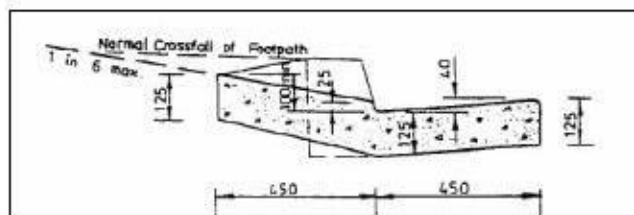
ISSUED BY:

BE MIE AUST PENG

JOB No	DWG No	No IN SET	ISSUE
10855	E3	3	A

- THE VEHICULAR LAYBACK SHALL BE SET SQUARE TO THE KERB;
- THE REDUNDANT LAYBACK CROSSING ON HAYBERRY LANE MUST BE REINSTATED AS UPRIGHT KERB GUTTER AND CONCRETE FOOTPATH;
- THE FULL FRONTAGE FOOTPATH, KERB & GUTTER AND 600mm WIDE BITUMEN STRIP IN DERBY STREET SHALL BE RECONSTRUCTED AND IS TO BE TRANSITIONED AT LEAST 1m ON BOTH SIDES OF THE CROSSING; AND
- COUNCIL'S PUBLIC WORKS OFFICER SHALL INSPECT THE VEHICULAR CROSSING BEFORE FINAL POUR.

ALIGNMENT LEVELS SHALL BE OBTAINED FROM COUNCIL'S PUBLIC WORKS AND INCORPORATED INTO THE PROPOSED DRIVEWAY DESIGN. FINAL DETAILS AT CONSTRUCTION CERTIFICATE STAGE.



NOT TO SCALE



LOCATION AND DEPTH OF ALL UNDERGROUND SERVICES TO BE INVESTIGATED WITH THE RELEVANT AUTHORITIES PRIOR TO COMMENCING WORKS.

SCALE 1: 200 A3 UNO



SCALE 1:200 at A3

A	05.05.13	DA ISSUE
ISS	DATE	AMENDMENT

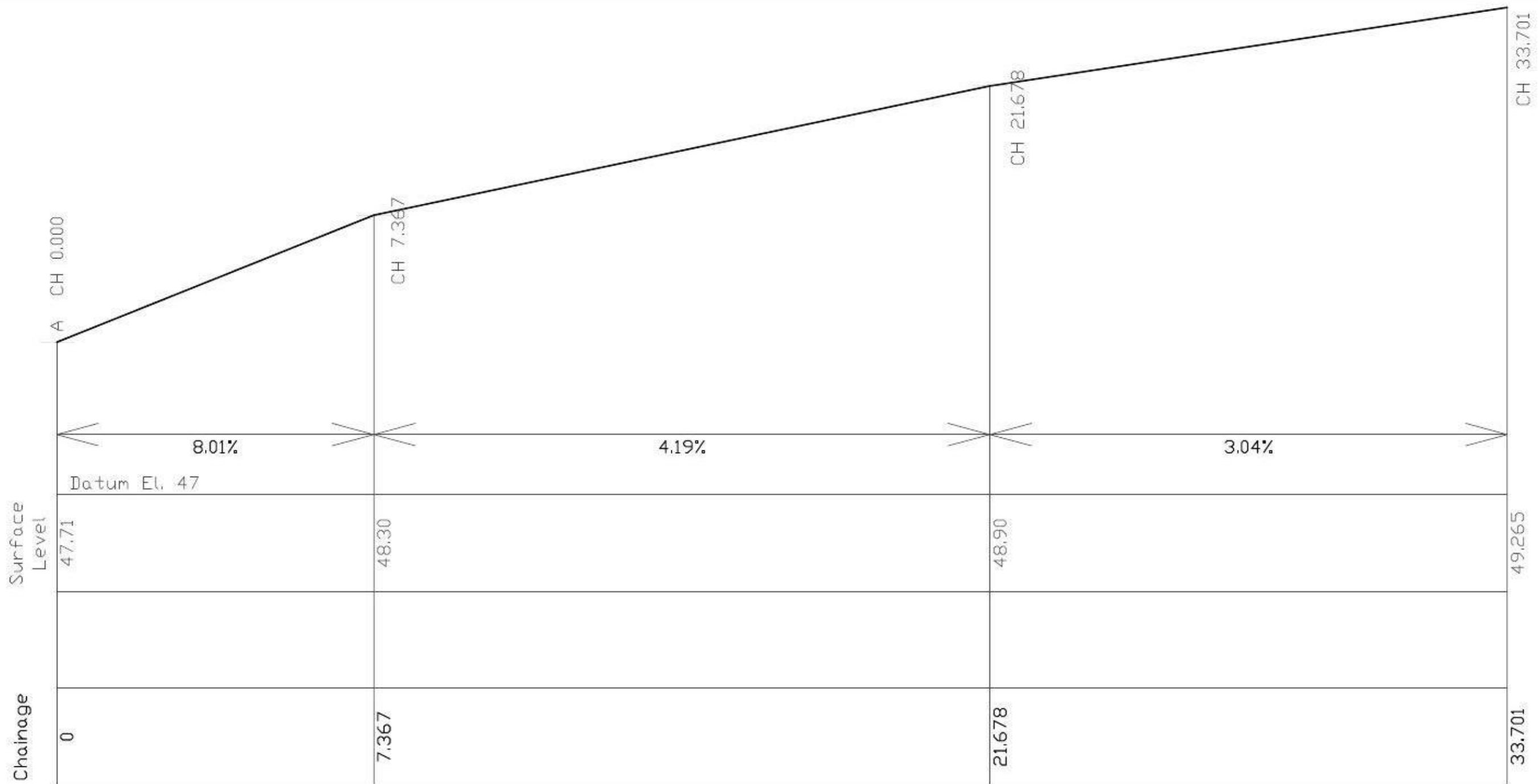
CLIENT
SOL QURASHI

Mobile: 0405507654
Email : info@ezeeng.com.au

PROJECT TITLE
PROPOSED NEW HEALTHCARE CONSULTANCY
No. 104 DERBY STREET, PENRITH NSW 2750

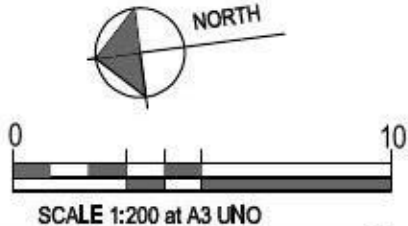
BE MIE AUST PENG

JOB No	DWG No	No IN SET	ISSUE
10855	V1	3	A



DRIVEWAY CENTRELINE LONGITUDINAL SECTION A-A

SCALE : H 1:50 V 1:100 at A3



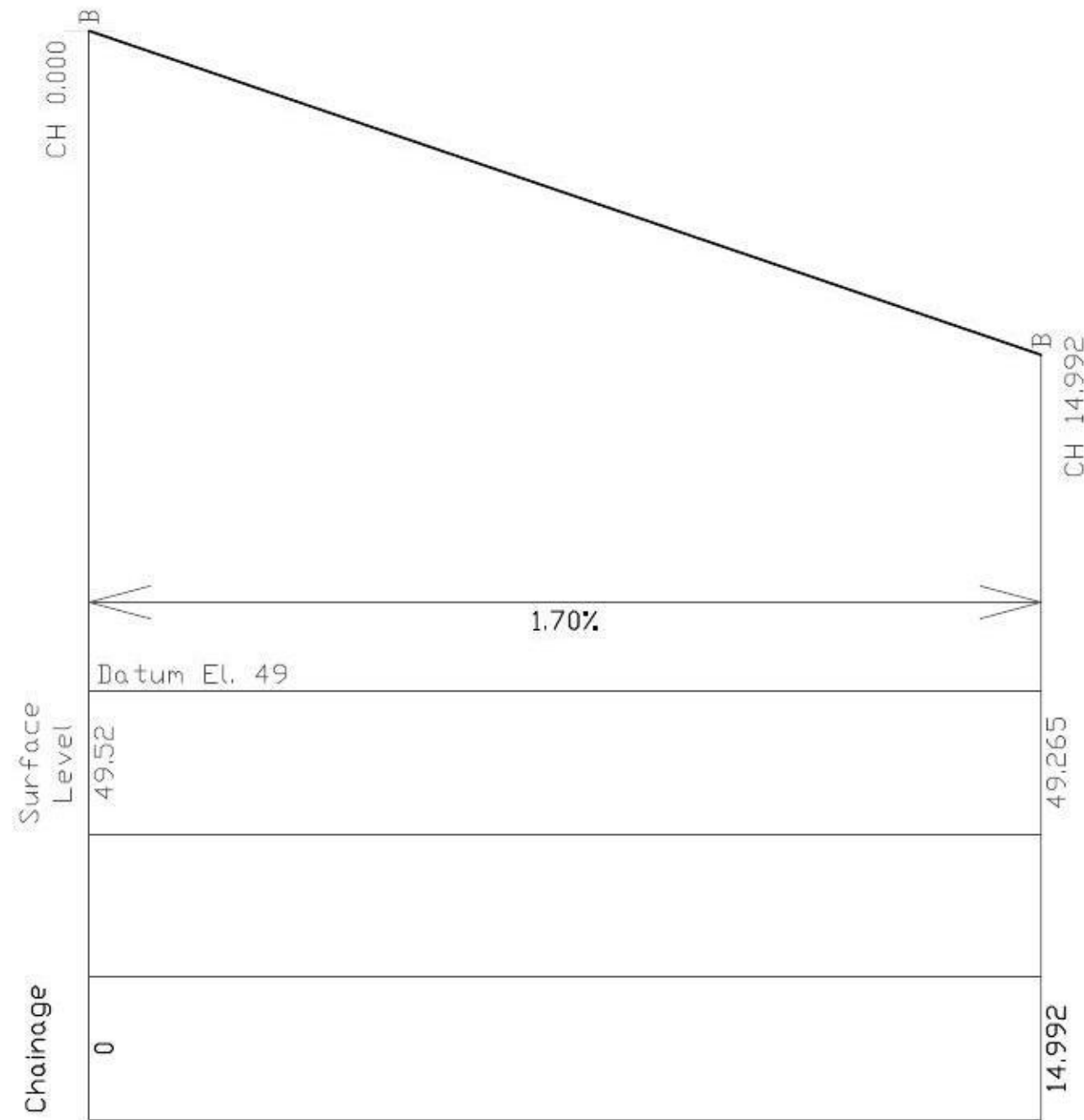
A	05.05.13	DA ISSUE
ISS	DATE	AMENDMENT

ARCHITECT/BUILDER
BUILDING DESIGN & DRAFT
CLIENT
SOL QURASHI

EZE HYDRAULIC ENGINEERS
Pty Ltd ACN 132 548 853
CONSULTING ENGINEERS
CIVIL & STORMWATER MANAGEMENT
Ph: (02) 9745 1403
Fax: (02) 94754315
Mobile: 0405507654
Email : info@ezeeng.com.au

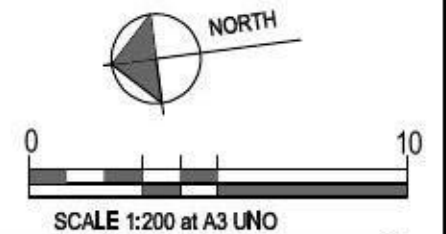
DWG TITLE
DRIVEWAY LONG SECTION
PROJECT TITLE
PROPOSED NEW HEALTHCARE CONSULTANCY
No. 104 DERBY STREET, PENRITH NSW 2750

DESIGNED BY :
EZ
ISSUED BY :
BE MIE AUST PENG
JOB No
10855
DWG No
V2
No IN SET
3
ISSUE
A



DRIVEWAY CENTRELINE LONGITUDINAL SECTION A-A

SCALE : H 1:25 V 1:50 at A3



A	05.05.13	DA ISSUE
ISS	DATE	AMENDMENT

ARCHITECT/BUILDER
BUILDING DESIGN & DRAFT
CLIENT
SOL QURASHI

EZE HYDRAULIC ENGINEERS
Pty Ltd ACN 132 548 853
CONSULTING ENGINEERS
CIVIL & STORMWATER MANAGEMENT
Ph: (02) 9745 1403
Fax: (02) 94754315
Mobile: 0405507654
Email : info@ezeeng.com.au

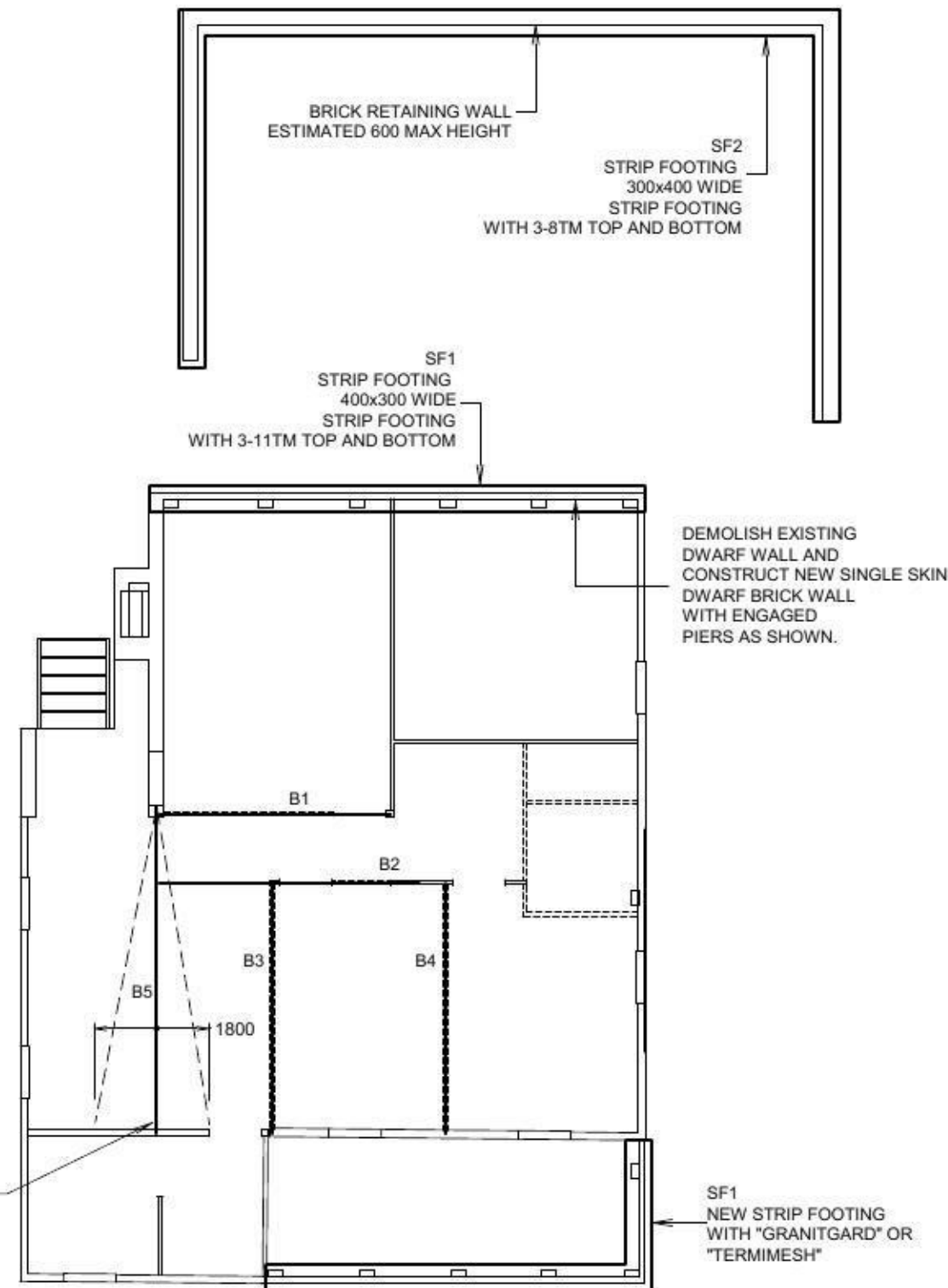
DWG TITLE
DRIVEWAY LONG SECTION
PROJECT TITLE
PROPOSED NEW HEALTHCARE CONSULTANCY
No. 104 DERBY STREET, PENRITH NSW 2750

DESIGNED BY :
EZ
ISSUED BY :
BE MIE AUST PENG
JOB No
10855
DWG No
V3
No IN SET
3
ISSUE
A

MEMBER SCHEDULE

B1	300x63 HYPAN
B2	360x63 HYPAN
B3	360x63 HYPAN
B4	360x63 HYPAN
B5	250UB31.4

END BEARING FOR ALL BEAMS SHALL BE 100mm MINIMUM ON DOUBLE STUDS IN FRAMEWORK



PLAN

FOUNDATION SOIL HAS BEEN CLASSIFIED CLASS M. THIS SHALL BE VERIFIED PRIOR TO POURING FOOTINGS. FOOTINGS SHALL BE PLACED ON FIRM NATURAL GROUND OF THE SAME BEARING CAPACITY THROUGHOUT. COMPACT ANY SOFT SPOTS.

NOTES

GENERAL

- G1 These drawings shall be read in conjunction with all architectural and other consultants drawings and specifications and such other written instructions as may be issued during the course of the contract. All discrepancies should be referred to the Architect for decision before proceeding with the work.
- G2 Dimensions SHALL NOT be obtained by scaling the structural drawings.
- G3 Setting out dimensions shown on the drawing shall be verified by the builder.
- G4 During construction the structure shall be maintained in a stable condition and no part shall be overstressed. Masonry walls shall be adequately braced against wind forces.
- G5 The structural elements shown on these drawings have been designed for live loads in accordance with AS1170, Part 1 - 1989.
- C9 Splices in reinforcement shall be made only in the position shown. The written approval of the Engineer shall be obtained for any other splice.
- C10 Welding of reinforcement will not be permitted unless shown on the structural drawings.
- C11 Reinforcement symbols
N Hot rolled deformed bar to AS4671 Grade 500N
R Plain round bar to AS4671 Grade 250R
- C12 Lap fabric one full mesh plus 25 both ways unless otherwise shown.
- C13 Lap bars 50 bar diameters unless otherwise shown.
- C14 All reinforcement shall be provided with sufficient chairs, supports and additional tie bars where necessary so that correct position is maintained during concreting. Chairs to be spaced at 900 maximum centres each way.

FOUNDATIONS

The footings have been designed for an allowable bearing intensity of 100 kPa with soil having classification class M in accordance with AS 2870. This material shall be verified as being of this type throughout the site prior to pouring concrete.

CONCRETE

- C1 All workmanship and materials shall be in accordance with AS3600 and AS2783 Current Editions with amendments, except where varied by the contract documents.
- C2 Concrete quality

FOOTINGS	25 MPa	80
SLAB-ON-GROUND	25 MPa	80
SUSPENDED SLAB	32 MPa	80
- C3 Clear concrete cover to reinforcement shall be as follows unless otherwise shown:

	EXPOSED	SHELTERED
FOOTING	-	55
SLAB	20	30
BEAM	25	40
COLUMN	25	40

- C4 Sizes of concrete elements do not include thickness of applied finishes.
- C5 Construction joints where not shown shall be located to the approval of the Engineer.
- C6 Beam depths are written first and include slab thickness.

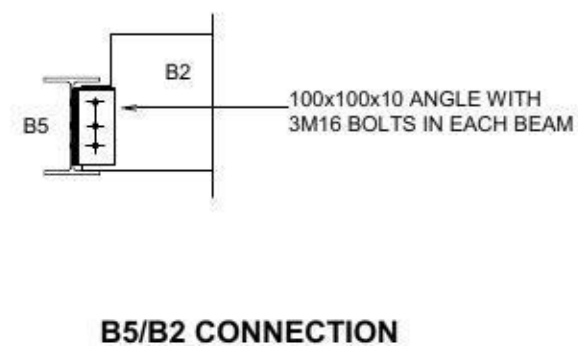
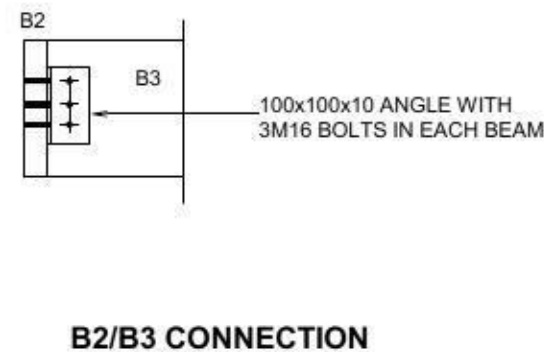
BRICKWORK

- B1 All workmanship and materials shall be in accordance with AS3700.
- B2 Brickwork shall be separated from concrete at all vertical faces by 10 mm thick caneite.
- B3 Strengths of bricks shall be 20 Mpa.
- B4 Brick walls shall have vertical expansion joints with 10 mm foam strip at maximum 6m centres in uninterrupted walls or maximum 5m centres in walls interrupted by doors or windows.
- B5 Unless noted otherwise, lintels shall be as follows:
Span 2400 to 3600 - 150 x 100 Galintel
Span up to 2100 - 100 x 100 Galintel

STEELWORK

- S1 All workmanship and materials shall be in accordance with Steel Structures Code current edition.
- S2 Unless noted otherwise - welds shall be 6mm continuous fillet welds, gusset plates shall be 10mm, all bolts shall be 16mm diameter.
- S3 Unless noted otherwise all steelwork not

REVISION	DATE	DESCRIPTION	PROPOSED ADDITIONS AND ALTERATIONS at 104 DERBY STREET, PENRITH CLIENT : QURASHI	Drg No. K13/097.01	BSPR PTY LTD Consulting Engineers PO BOX 227 MENAI CENTRAL 2234 50 YATES ROAD, BANGOR NSW 2234 Phone (02) 9543 7655 Fax (02) 9543 5999 email: bspr@bigpond.net.au
B	MAY 2013	Rear footings added, B5 added, , front retaining wall added.		Scale: 1:100	
				Date APRIL 2013	
				Approved 	



REVISION	DATE	DESCRIPTION	PROPOSED ADDITIONS AND ALTERATIONS at 104 DERBY STREET, PENRITH CLIENT : QURASHI	Drg No. K13/ 097.02	BSPR PTY LTD Consulting Engineers PO BOX 227 MENAI CENTRAL 2234 50 YATES ROAD, BANGOR NSW 2234 Phone (02) 9543 7655 Fax (02) 9543 5999 email: bspr@bigpond.net.au
B	MAY 2013	Rear footings added, B5 added, , front retaining wall added.		Scale: 1:20	
				Date APRIL 2013	
				Approved 	