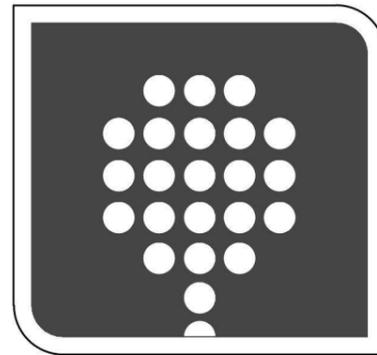


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MAY NOT BE COPIED WITHOUT THE WRITTEN PERMISSION  
OF RAWSON HOMES PTY LTD-ACN 053 733 841 ©

**NOTES:**  
DETAILS SHOWN ON THESE PLANS ARE INTENDED TO BE  
ACCURATE - HOWEVER INFORMATION WRITTEN INTO  
INDIVIDUAL CONTRACTS WILL TAKE PRECEDENCE OVER PLANS  
  
\* ALL DIMENSIONS ARE IN MILLIMETRES  
  
\* DO NOT SCALE - USE WRITTEN DIMENSIONS  
  
RAWSON HOMES PTY LTD WILL TAKE NO RESPONSIBILITY FOR  
ANY VERBAL DISCUSSIONS OR INSTRUCTIONS. ALL CHANGES  
AND SPECIAL INCLUSIONS MUST BE DOCUMENTED IN WRITING

**SCHEDULE OF DRAWINGS:**

SHEET	DRAWING TITLE
01	COVER SHEET
02	SITE PLAN
03	GROUND FLOOR PLAN
04	FIRST FLOOR PLAN
05	ELEVATIONS 1
06	ELEVATIONS 2
07	SECTION
08	SLAB PLAN
09	ELECTRICAL LAYOUTS
10	WET AREA DETAILS
11	STUDIO PLANS & ADDITIONALS
12	STUDIO ELEVATIONS & SECTION
13	SEDIMENT/WASTE PLAN
14	SHADOW DIAGRAM



**RAWSON  
PROJECTS**

ISSUE:	AMENDMENT DESCRIPTION:	DRAWN:	DATE:
A	ISSUE FOR CONCEPT APPROVAL	SJB	20.02.14
B	SITE REVISED WITH DESIGN LEVELS & SERVICES ADDED;GL'S ADDED TO ELEV'S	SJB	31.03.14
C	ISSUE FOR DA;SITE UPDATED TO LATEST CONTOURS + FLOOR LEVELS REVISED; SEDIMENT/WASTE + SHADOWS ADDED	SJB	03.11.14
D	ISSUE FOR CC;ADD INFO. TO FLOOR PLANS;SECTION;SLAB,ELECTS & WET AREAS & STUDIO DWGS INCL.;WINDOW GLAZING NOTES ADDED;STUDIO/GARAGE RELOCATED FORWARD WITH CALC'S ADJUSTED ACCORDINGLY	SJB	24.08.15
E	CLIENT NAME REVISED;ELECTS UPDATED; CAVITY SLIDING DOOR TO ENSUITE	SJB	27.08.15

**CC SUBMISSION**

SIGNATURE.....

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\* ALL DIMENSIONS ARE TO STRUCTURAL FRAMES  
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\* DO NOT SCALE - USE WRITTEN DIMENSIONS

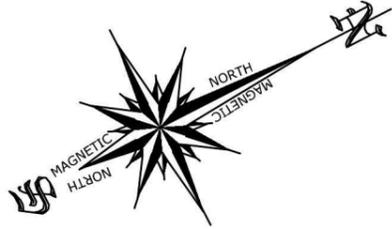
**RAWSON HOMES**  
1 HOMEBUSH BAY DRIVE  
BUILDING F, LEVEL 2, SUITE 1  
RHODES NSW 2138  
TELEPHONE: 02 8765 5500  
FAX : 02 8765 8099  
BUILDER'S LICENCE No. 33493C



CLIENT:  
**XINYAN ZHAO**  
  
SITE ADDRESS:  
LOT 2333 cnr WALSHAW STREET  
& EMPIRE CIRCUIT  
PENRITH (THORNTON ESTATE)

HOUSETYPE:  
MODEL: FINCHLEY LH  
FACADE: VOGUE  
TYPE:  
SPECIFICATION:  
  
DRAWING TITLE:  
**COVER SHEET**

DRAWN BY:	DATE DRAWN:	CHECKED BY:	APPROVED FOR CONSTRUCTION:
SJB	FEB.'14		
COUNCIL AREA: <b>PENRITH</b>		SCALE: NTS	
JOB No: <b>J003489</b>	DRWG No.: <b>01</b>	ISSUE: <b>E</b>	



**WARNING - UNREGISTERED PLAN**

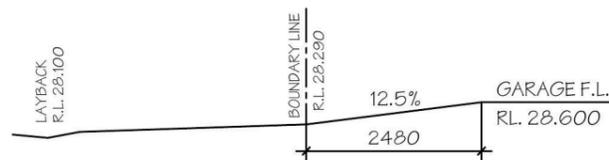
- THIS CONTOUR AND DETAIL SURVEY IS BASED UPON AN UNREGISTERED PLAN.
- ALL BOUNDARIES AND EASEMENTS ARE UNREGISTERED AND MAY BE AMENDED TO SUIT THE REQUIREMENTS OF COUNCIL OR THE LAND TITLES OFFICE.
- THIS INFORMATION MUST BE VERIFIED UPON REGISTRATION.
- NO FURTHER INVESTIGATION HAS BEEN UNDERTAKEN TO DISCLOSE EASEMENTS ETC OMITTED FROM THE UNREGISTERED PLAN.
- STRUCTURE SURVEYING CAN ACCEPT NO LIABILITY FOR ANY LOSS OR DAMAGE HOWSOEVER ARISING, TO ANY PERSON OR CORPORATION, DUE TO OMISSIONS, ERRORS OR VARIATIONS ON THE UNREGISTERED PLAN.
- COPIES OF THIS CONTOUR PLAN MUST NOT BE REPRODUCED WITHOUT THIS NOTICE.

**\*NOTES:**

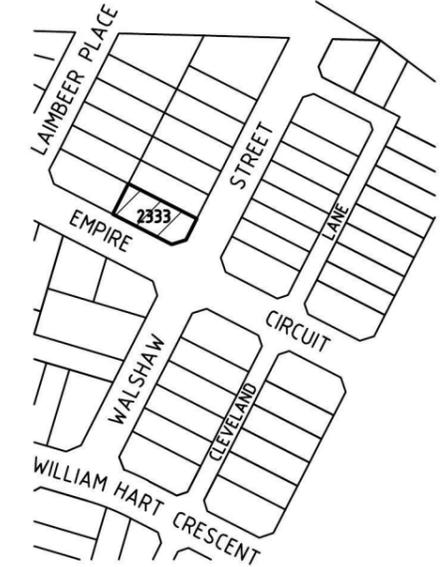
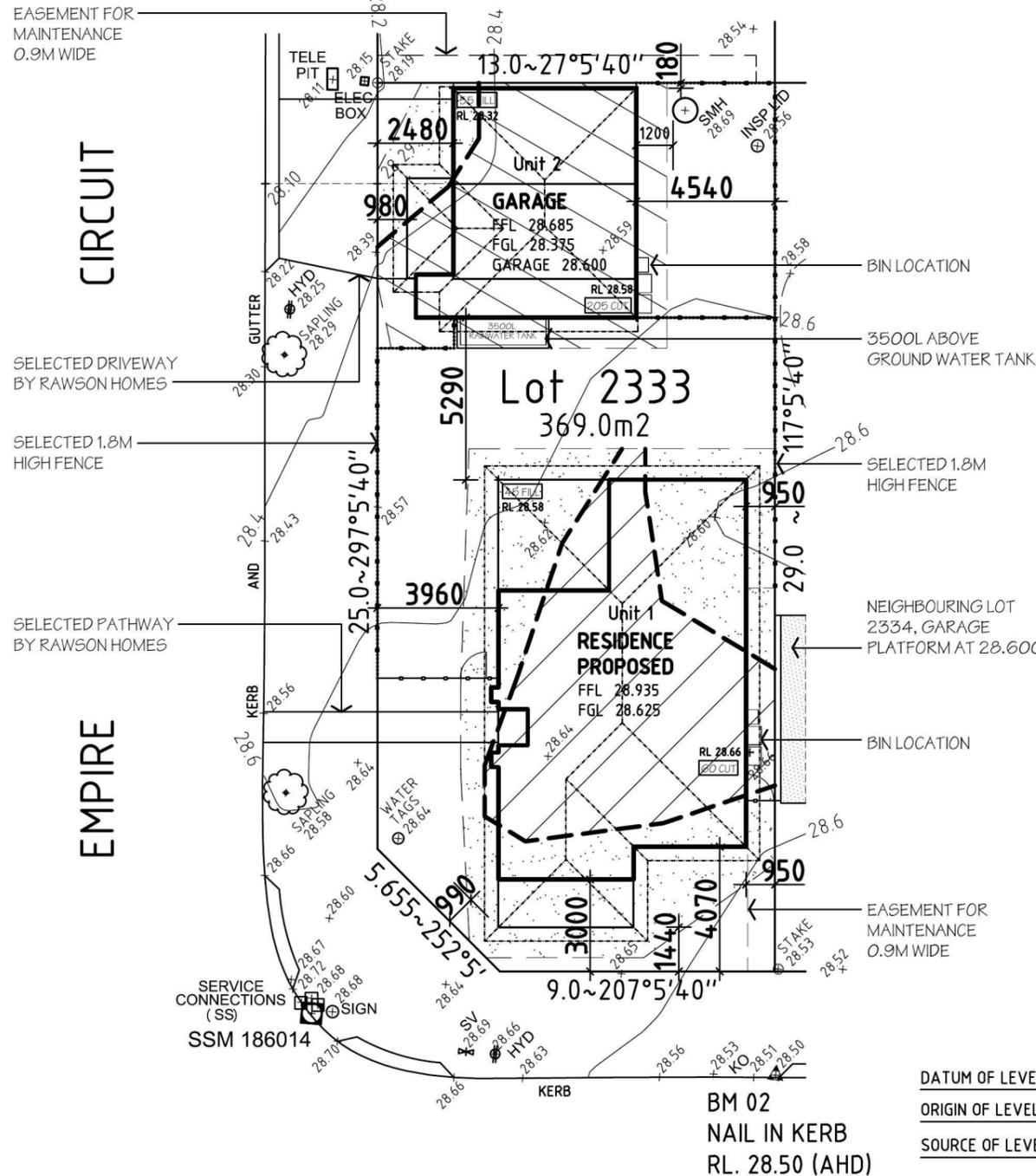
- THIS SURVEY IS FOR CONTOUR PURPOSES ONLY SERVICES SHOWN HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY.
- CONTOURS SHOWN HAVE BEEN INTERPOLATED FROM SPOT LEVELS TAKEN ON-SITE AND ARE A REPRESENTATION OF THE TOPOGRAPHY ONLY.
- DIMENSIONS AND AREAS HAVE BEEN DETERMINED FROM PLANS MADE AVAILABLE AT LPI, NSW AND ARE SUBJECT TO FINAL SURVEY.
- SERVICES SHOWN HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY. PRIOR TO ANY SITE WORKS, THE RELEVANT AUTHORITY SHOULD BE CONTACTED TO ESTABLISH ACCURATE POSITION AND DEPTH OF ANY SERVICES.
- DIMENSIONS OF ANY TREES SHOWN ON THE PLAN ARE APPROXIMATE

**LEGEND**

- WATER METER
- TELECOM PIT
- MANHOLE (SEWER/STORMWATER)
- VEHICLE CROSSING
- KERB INLET PIT
- LIGHT POLE
- ELECTRICITY POLE
- ELECTRICITY PILLAR
- HYDRANT
- STOP VALVE
- KERB OUTLET
- SERVICE CONDUIT
- TREE (DIA/HEIGHT)



LOT 2333 DRIVEWAY DETAILS (SCALE 1:100)



**LOCATION PLAN**

**\*FURTHER NOTES:**

- FLOOR LEVELS HAVE BEEN BASED ON AN ASSUMED 'M-CLASS' SITE CLASSIFICATION
- REFER TO LANDSCAPING DRAWINGS FOR ALL FENCING & LANDSCAPING DETAILS

LOT 2333	
<b>SITE DATA</b>	
SITE AREA:	369.00 m <sup>2</sup>
PRIVATE OPEN SPACE (%):	(37.9 %)
UNIT No. 1	105.00m <sup>2</sup>
UNIT No. 2	34.77m <sup>2</sup>
TOTAL COMBINED P.O.S. AREA:	139.77m <sup>2</sup>
<b>LANDSCAPE AREA: (53.0 %)</b>	
SITE AREA:	369.00m <sup>2</sup>
TOTAL HARDSTAND AREAS: (INC. Driveways & Paths)	173.55m <sup>2</sup>
REMAINING SOFT AREA:	195.45m <sup>2</sup>
<b>FLOOR AREAS</b>	
<b>UNIT No. 1</b>	
GROUND FLOOR:	87.71 m <sup>2</sup>
FIRST FLOOR:	98.85 m <sup>2</sup>
REAR GARAGE:	18.60 m <sup>2</sup>
PORCH:	1.12 m <sup>2</sup>
PORTICO:	6.90 m <sup>2</sup>
ALFRESCO:	13.05 m <sup>2</sup>
BALCONY:	7.27 m <sup>2</sup>
TOTAL UNIT 1 FLOOR AREA:	233.50 m <sup>2</sup>
<b>UNIT No. 2</b>	
GROUND FLOOR:	9.24 m <sup>2</sup>
FIRST FLOOR:	43.07 m <sup>2</sup>
GARAGE:	18.60 m <sup>2</sup>
BALCONY'S:	4.79 m <sup>2</sup>
TOTAL UNIT 2 FLOOR AREA:	75.70 m <sup>2</sup>

DATUM OF LEVELS: AUSTRALIAN HEIGHT DATUM  
 ORIGIN OF LEVELS: SSM 180810 RL. 28.445  
 SOURCE OF LEVELS: S C I M S



**NOTES:**

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**RAWSON HOMES**

1 HOMEBUSH BAY DRIVE  
 BUILDING F, LEVEL 2, SUITE 1  
 RHODES NSW 2138  
 TELEPHONE: 02 8765 5500  
 FAX : 02 8765 8099  
 BUILDER'S LICENCE No. 33493C

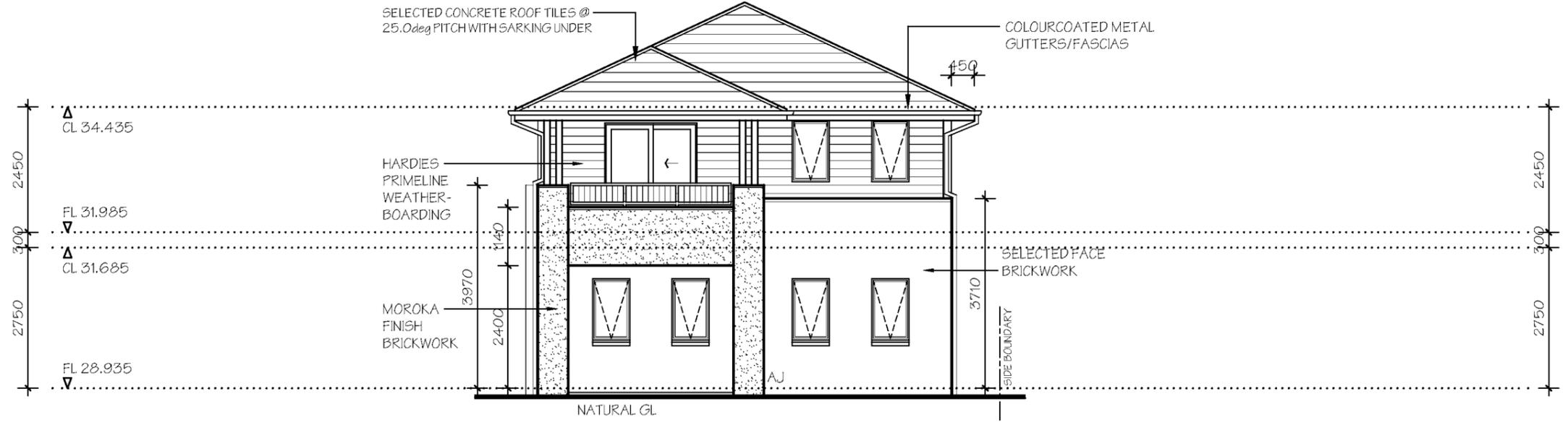
CLIENT:  
**XINYAN ZHAO**

SITE ADDRESS:  
 LOT 2333 cnr WALSHAW STREET  
 & EMPIRE CIRCUIT  
 PENRITH (THORNTON ESTATE)

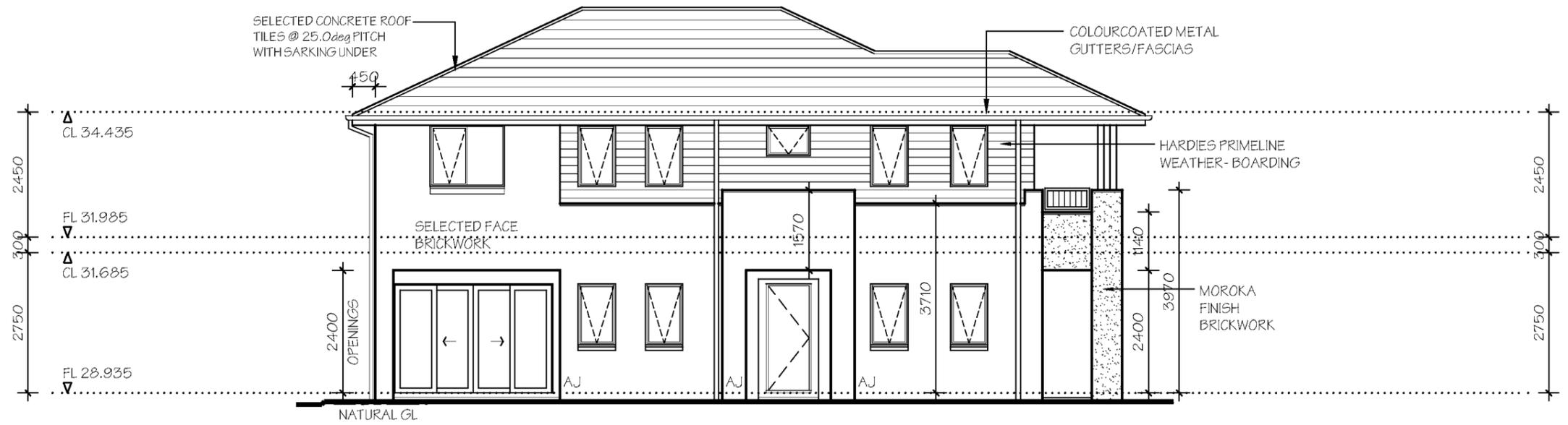
HOUSETYPE:  
 MODEL: FINCHLEY LH  
 FACADE: VOGUE  
 TYPE:  
 SPECIFICATION:  
 DRAWING TITLE:  
**SITE PLAN**

DRAWN BY: SJB	DATE DRAWN: FEB '14	CHECKED BY:	APPROVED FOR CONSTRUCTION:
COUNCIL AREA: PENRITH		SCALE: 1:200	
JOB No: J003489	DRWG No.:	ISSUE:	
	02	E	

NOTE:  
\*STAINLESS STEEL MESH SECURITY  
SCREEN DOOR TO FRONT ENTRY  
\*NYLON MESH FLYSCREENS TO ALL  
OPENING WINDOWS & SLIDING  
DOORS (EXCLUDING HINGED DOORS)



FRONT ELEVATION - A



SIDE ELEVATION - B

NOTES:  
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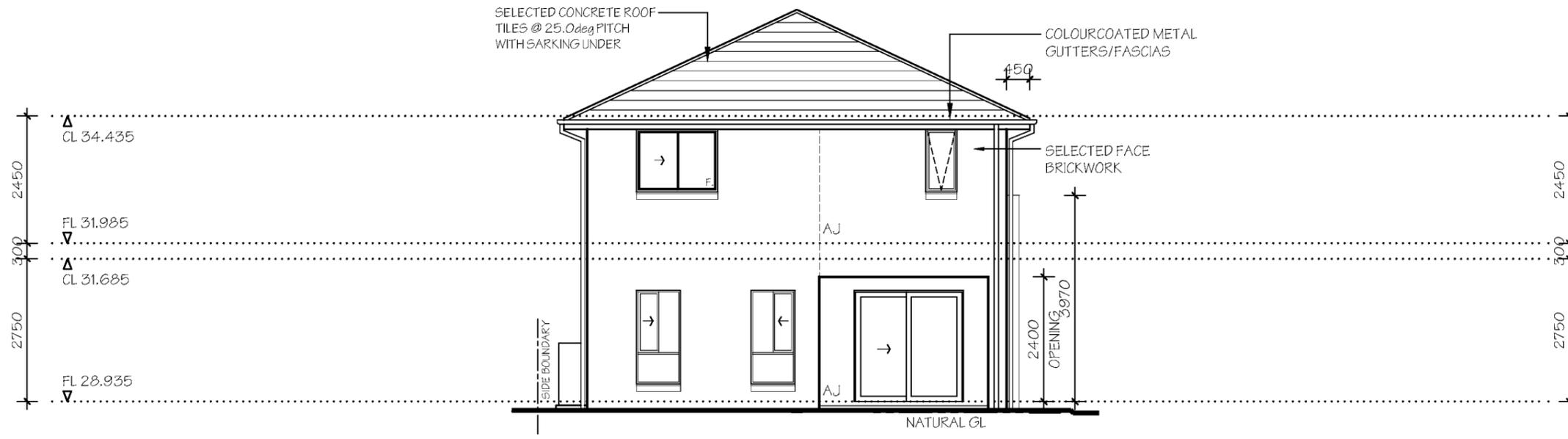
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BUILDER'S LICENCE No. 33493C

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& EMPIRE CIRCUIT  
PENRITH (THORNTON ESTATE)

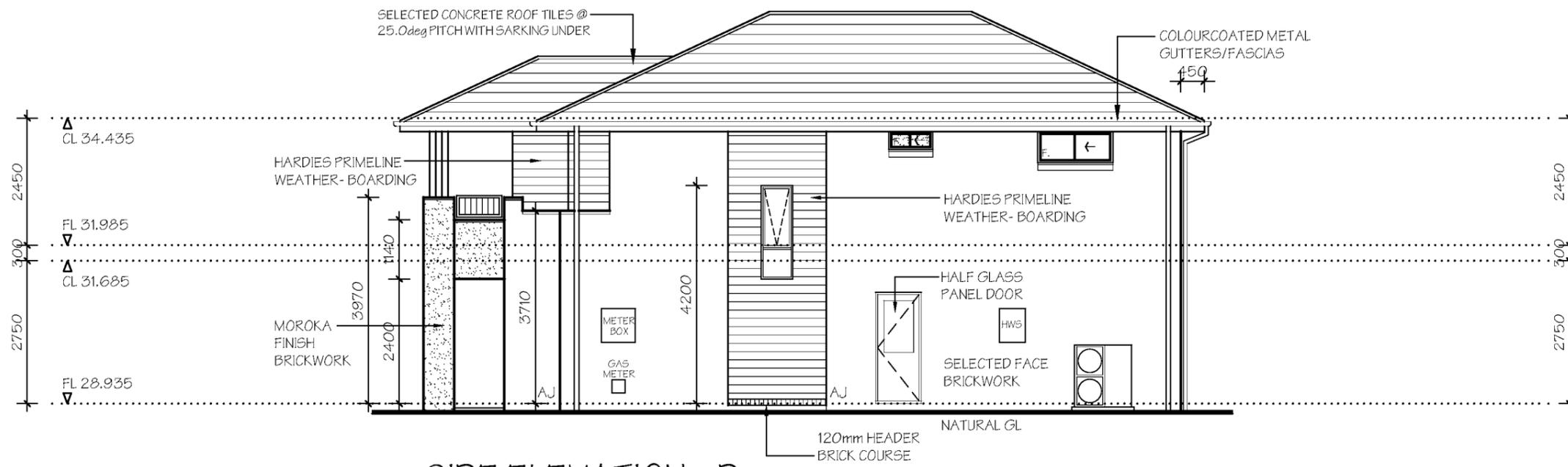
HOUSETYPE:  
MODEL: FINCHLEY LH  
FACADE: VOGUE  
TYPE:  
SPECIFICATION:  
DRAWING TITLE:  
**ELEVATIONS 1**

DRAWN BY: SJB	DATE DRAWN: FEB '14	CHECKED BY:	APPROVED FOR CONSTRUCTION:
COUNCIL AREA: PENRITH		SCALE: 1:100	
JOB No: J003489	DRWG No.:	ISSUE:	
	05	E	

NOTE:  
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SCREEN DOOR TO FRONT ENTRY  
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DOORS (EXCLUDING HINGED DOORS)



REAR ELEVATION - C



SIDE ELEVATION - D

NOTES:

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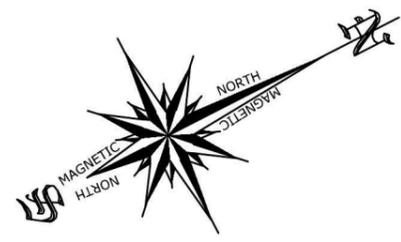
CLIENT:  
XINYAN ZHAO

SITE ADDRESS:  
LOT 2333 cnr WALSHAW STREET  
& EMPIRE CIRCUIT  
PENRITH (THORNTON ESTATE)

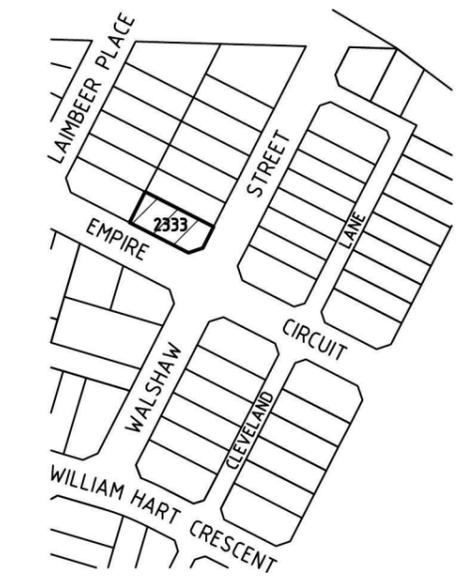
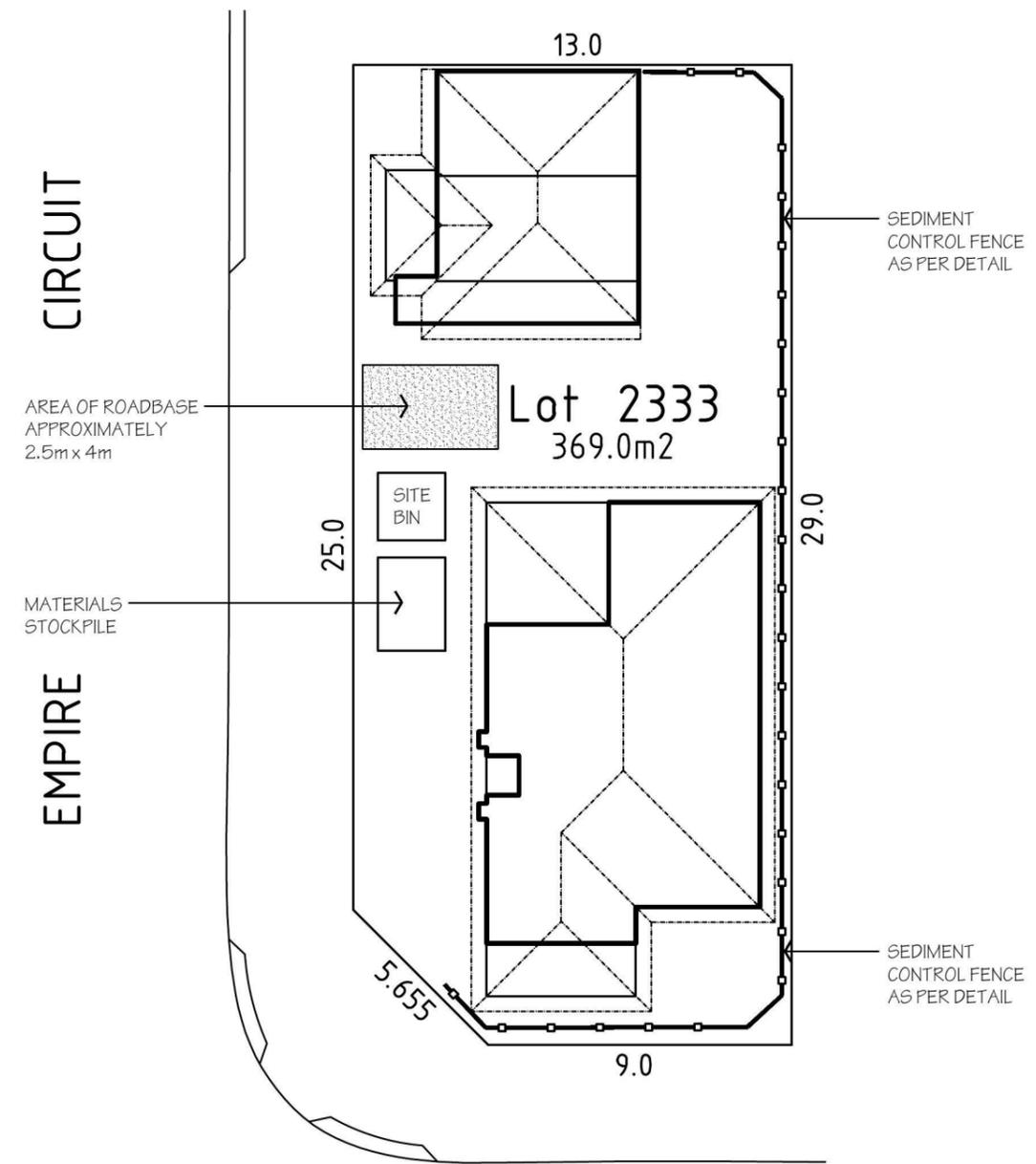
HOUSETYPE:  
MODEL: FINCHLEY LH  
FACADE: VOGUE  
TYPE:  
SPECIFICATION:  
DRAWING TITLE:  
**ELEVATIONS 2**

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COUNCIL AREA: PENRITH		SCALE: 1:100	
JOB No: J003489	DRWG No.:	ISSUE:	
	06	E	





CIRCUIT  
EMPIRE



LOCATION PLAN

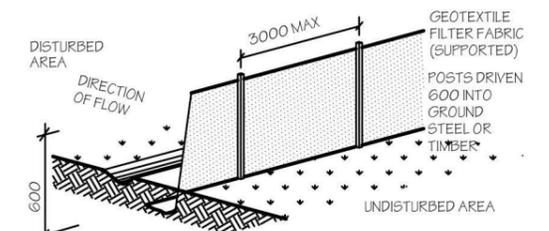
**LEGEND**

- WATER METER
- TELECOM PIT
- MANHOLE (SEWER/STORMWATER)
- VEHICLE CROSSING
- KERB INLET PIT
- LIGHT POLE
- ELECTRICITY POLE
- ELECTRICITY PILLAR
- HYDRANT
- STOP VALVE
- KERB OUTLET
- SERVICE CONDUIT
- TREE (DIA/HEIGHT)

**SEDIMENT CONTROL**

INSTALL SEDIMENT CONTROL STRUCTURES IN LOCATIONS INDICATED ON THIS DRAWING AND AS OTHERWISE REQUIRED TO CONTROL SEDIMENT DURING ALL EXCAVATIONS AND WHILE AREAS OF THE SITE ARE EXPOSED TO EROSION. REVIEW CONTROL MEASURES AND MAINTAIN STRUCTURES DURING CONSTRUCTION.

IF ADDITIONAL MEASURES ARE REQUIRED FOR EROSION AND CONTROL OR BY COUNCIL REQUIREMENTS, REFER TO "URBAN EROSION AND SEDIMENT CONTROL" GUIDELINES PREPARED BY THE DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT.



**SEDIMENT FENCE DETAIL**  
SUITABLE FOR DRAINAGE AREA OF 0.6HA MAX AND SLOPE GRADIENT OF 1:2 MAX WITH LENGTH OF 60M MAX

WALSHAW STREET



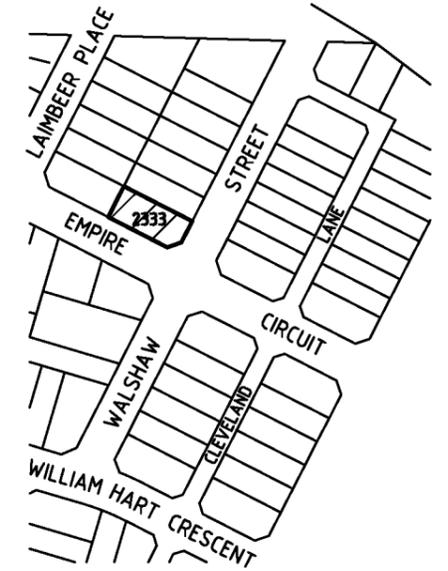
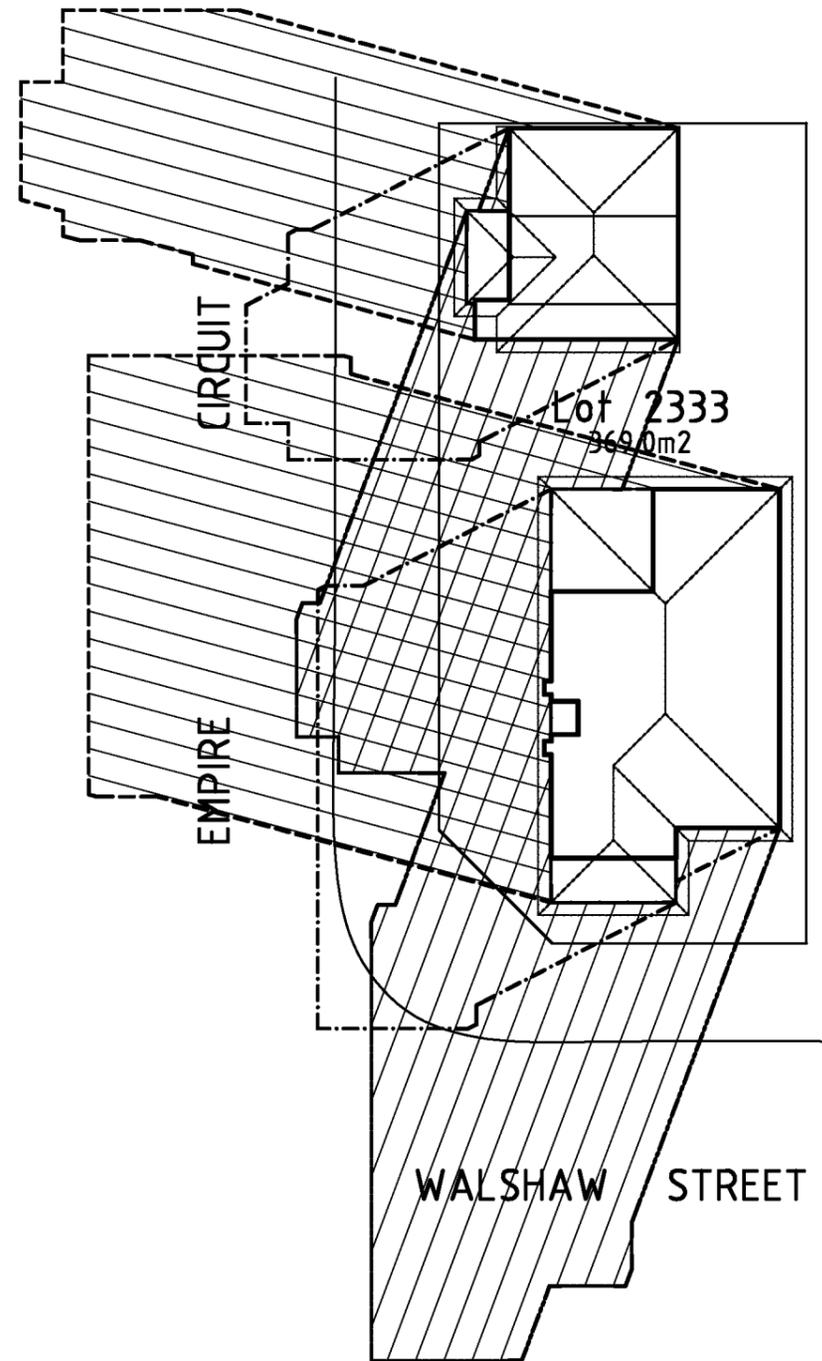
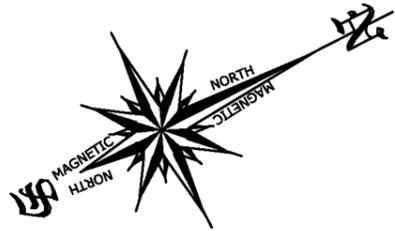
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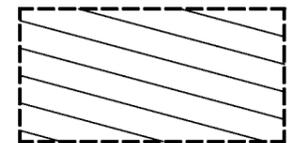
CLIENT:  
**XINYAN ZHAO**  
SITE ADDRESS:  
LOT 2333 cnr WALSHAW STREET  
& EMPIRE CIRCUIT  
PENRITH (THORNTON ESTATE)

HOUSETYPE:  
MODEL: FINCHLEY LH  
FACADE: VOGUE  
TYPE:  
SPECIFICATION:  
DRAWING TITLE:  
**SEDIMENT & WASTE PLAN**

DRAWN BY: SJB	DATE DRAWN: FEB '14	CHECKED BY:	APPROVED FOR CONSTRUCTION:
COUNCIL AREA: PENRITH		SCALE: 1:200	
JOB No: J003489	DRWG No.: 13	ISSUE: E	



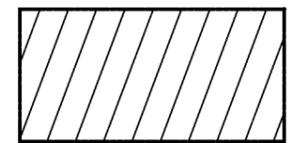
LOCATION PLAN



21st JUNE SHADOWS 9:00am



21st JUNE SHADOWS 12:00pm



21st JUNE SHADOWS 3:00pm

**NOTES:**

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CLIENT:  
**XINYAN ZHAO**

SITE ADDRESS:  
**LOT 2333 cnr WALSHAW STREET  
& EMPIRE CIRCUIT  
PENRITH (THORNTON ESTATE)**

HOUSETYPE:  
MODEL: FINCHLEY LH  
FACADE: VOGUE  
TYPE:  
SPECIFICATION:  
DRAWING TITLE:  
**SHADOW DIAGRAM**

DRAWN BY: SJB	DATE DRAWN: FEB '14	CHECKED BY:	APPROVED FOR CONSTRUCTION:
COUNCIL AREA: PENRITH		SCALE: 1:250	
JOB No: J003489	DRWG No.: 14	ISSUE: E	

# Lot 2333 Walshaw

## PLANT SCHEDULE Prepared by ecodeign Pty Ltd

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Cpl	Camellia sasanqua 'Paradise Pearl'	Camellia	21	300mm	2m
Lwt	Liriope muscari 'Monroe's White'	Liriope (white flowering)	38	200mm	450mm
Dg	Dietes grandiflora	Wild Iris	11	200mm	1m
Mq	Magnolia quinquepeta 'Nigra'	Lily Magnolia	2	75L	3-4m
Vh	Viola hederacea	Native Violet	10	150mm	0.1m

### LOT PLANTING SUMMARY

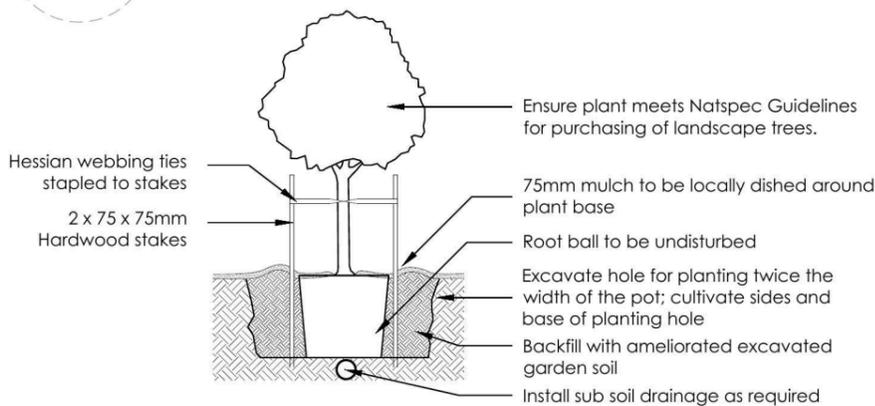
Total Plants	Total Fence Hedging	Street Planting	Other Shrubs/ground-covers	Total Trees
82	21	0	61	2

**LEGEND**

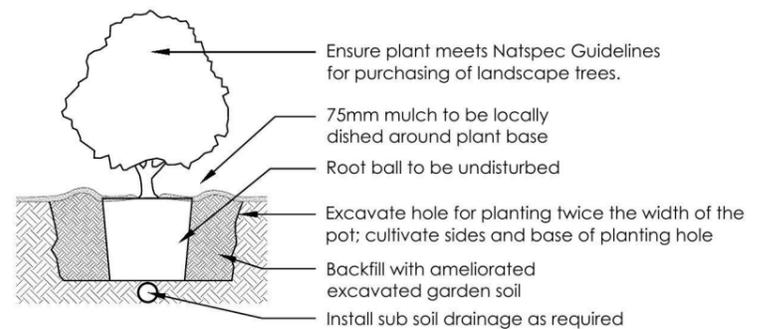
- Proposed trees - refer to plant schedule
- Proposed shrubs - refer to plant schedule
- Proposed accents & grasses - refer to plant schedule
- Proposed groundcovers and grasses - refer to plant schedule
- Existing levels
- Proposed levels
- Proposed Top Of Wall levels
- Boundary
- Garden edging
- Masonry retaining walls
- Existing contours

Existing tree to be retained

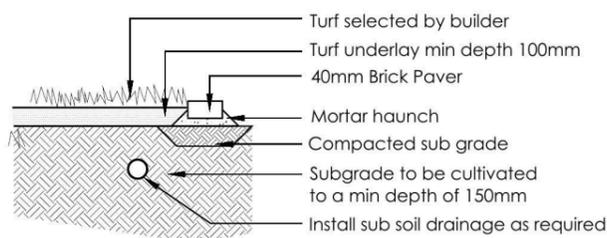
Existing tree to be removed



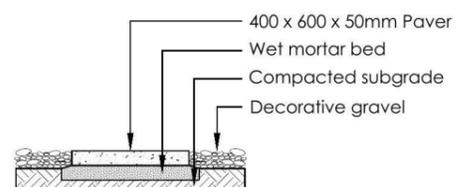
1 Tree Planting Detail  
NTS 25L - 100L Pot Size



2 Planting Detail  
NTS 150mm, 200mm Pot Size

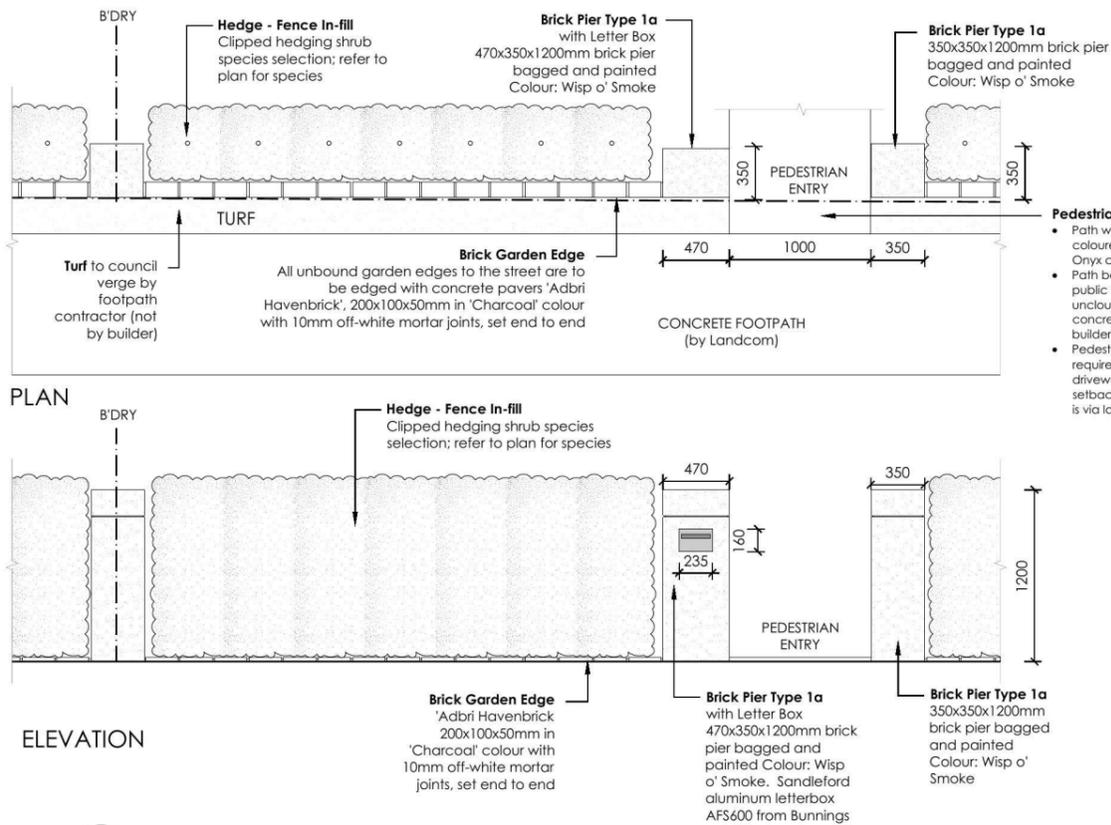


3 Turf Detail  
NTS Brick Paver Edge



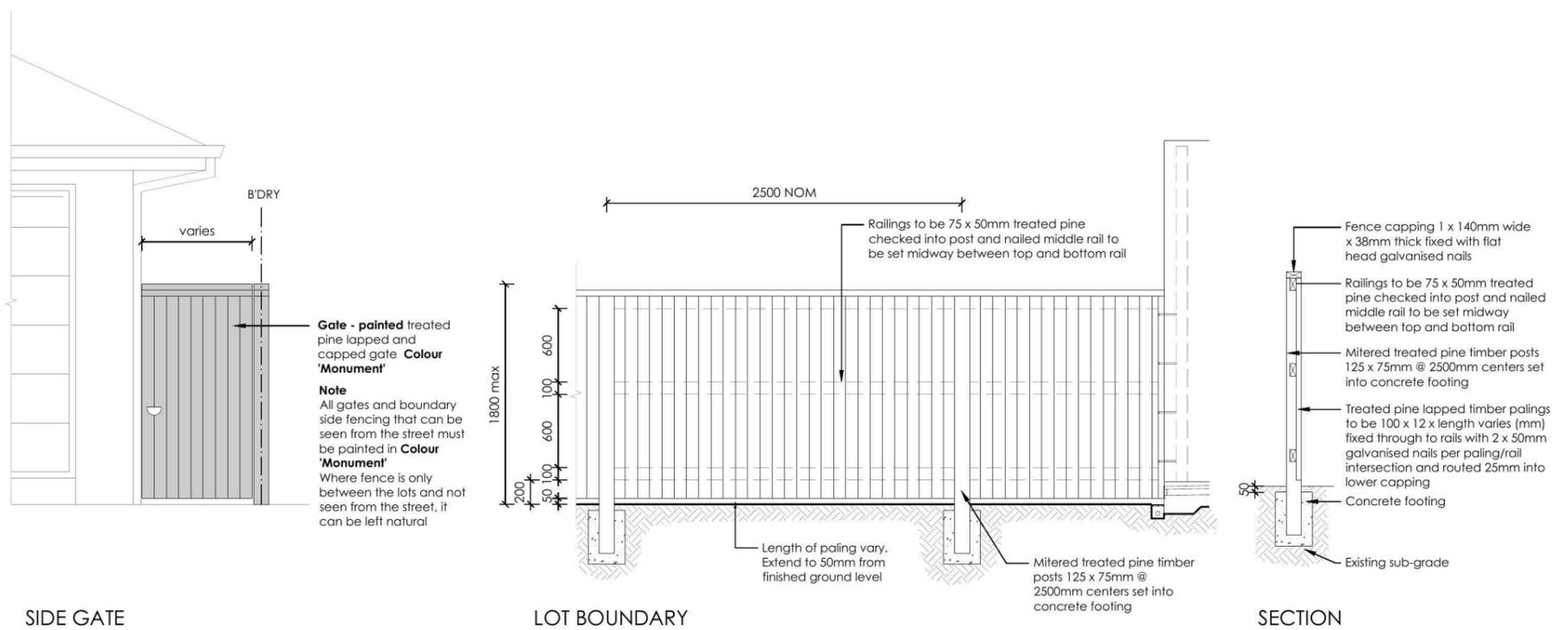
4 Stepping stones in gravel  
NTS Low traffic zone

<table border="1"> <tr> <th>REVISION</th> <th>DESCRIPTION</th> <th>DRAWN</th> <th>CHECK</th> <th>DATE</th> </tr> <tr> <td>A</td> <td>ISSUE FOR CLIENT REVIEW</td> <td>RS</td> <td>BT</td> <td>27-02-14</td> </tr> <tr> <td>B</td> <td>RE-SITE GARAGE TO NEW ARCHITECTURALS. ADD SURVEY DATA + FLL'S</td> <td>RS</td> <td>RS</td> <td>26-08-15</td> </tr> </table>	REVISION	DESCRIPTION	DRAWN	CHECK	DATE	A	ISSUE FOR CLIENT REVIEW	RS	BT	27-02-14	B	RE-SITE GARAGE TO NEW ARCHITECTURALS. ADD SURVEY DATA + FLL'S	RS	RS	26-08-15	<p>PO Box 3136, Carlingford, NSW 2118 Ph: (02) 9871 7701 Fax: (02) 9873 2583 Email: info@ecodeign.com.au Web: www.ecodeign.com.au Member of the Australian Institute of Landscape Designers and Managers</p>	<p>ADDRESS <b>LOT 2333 WALSHAW STREET, PENRITH</b></p> <p>CLIENT <b>RAWSON HOMES</b></p>	<p>PROJECT <b>NEW RESIDENCE</b></p> <p>DRAWING <b>LANDSCAPE PLAN</b></p> <p>SCALE <b>1:100 @ A3</b></p> <p>ISSUE <b>DA</b></p> <p>DRAWN <b>RS</b></p> <p>CHECK <b>RS</b></p> <p>DATE <b>26-08-15</b></p> <p>REVISION <b>B</b></p>	
REVISION	DESCRIPTION	DRAWN	CHECK	DATE															
A	ISSUE FOR CLIENT REVIEW	RS	BT	27-02-14															
B	RE-SITE GARAGE TO NEW ARCHITECTURALS. ADD SURVEY DATA + FLL'S	RS	RS	26-08-15															

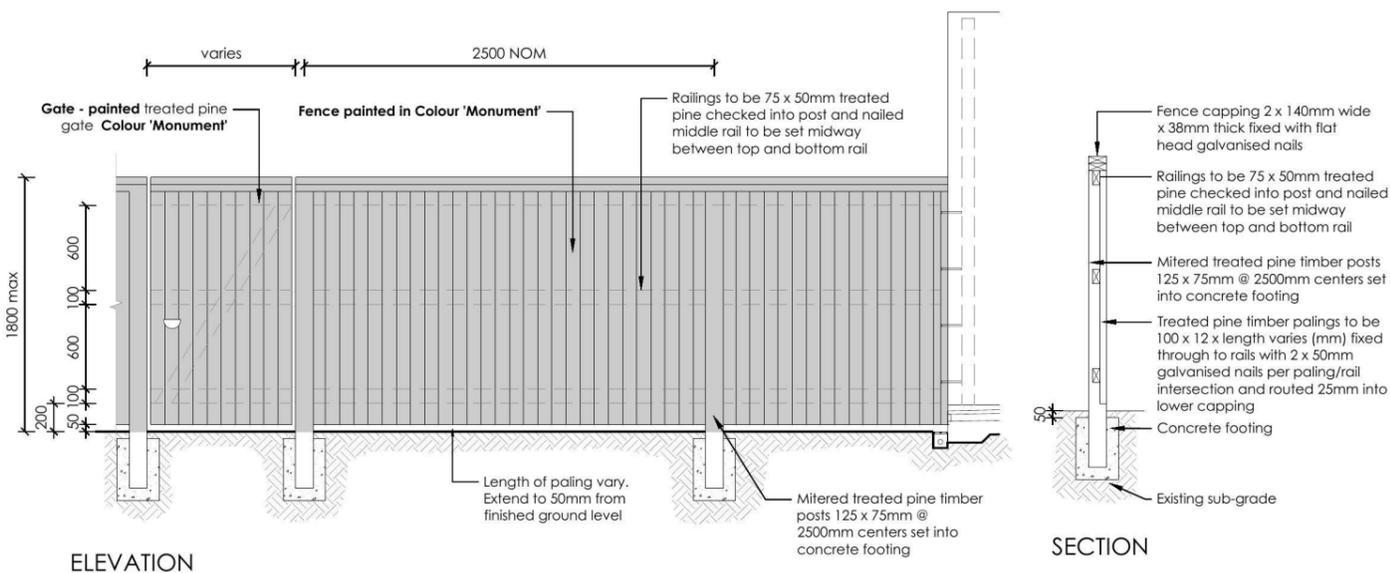


- Pedestrian path**
- Path within the lot is to be coloured concrete (CCS Onyx colour or equivalent)
  - Path between boundary and public footpath is to be plain uncoloured, broom-finished concrete, constructed by the builder
  - Pedestrian entry path is required where there is no driveway within the front setback, i.e. where driveway is via lane-way

**5 FENCE TYPE 5 - Front Fence**  
1:50 Typical detail



**FENCE TYPE 4a - Side Boundaries**  
1:50 Typical detail



**7 FENCE TYPE 4b - Rear Boundary**  
1:50 All Laneways (except Barlett Lane)  
Typical detail

REVISION	DESCRIPTION	DRAWN	CHECK	DATE
A	ISSUE FOR CLIENT REVIEW	RS	BT	27-02-14
B	RE-SITE GARAGE TO NEW ARCHITECTURALS, ADD SURVEY DATA + FFL'S	RS	RS	26-08-15

**ecodesign**  
landscape design & architecture

PO Box 3136, Carlingford, NSW 2118  
Ph: (02) 9671 7701 Fax: (02) 9673 2583  
Email: info@ecodesign.com.au  
Web: www.ecodesign.com.au  
Member of the Australian Institute of Landscape Designers and Managers

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2. Verify all measurements on site  
3. Notify ecodesign of any inconsistencies  
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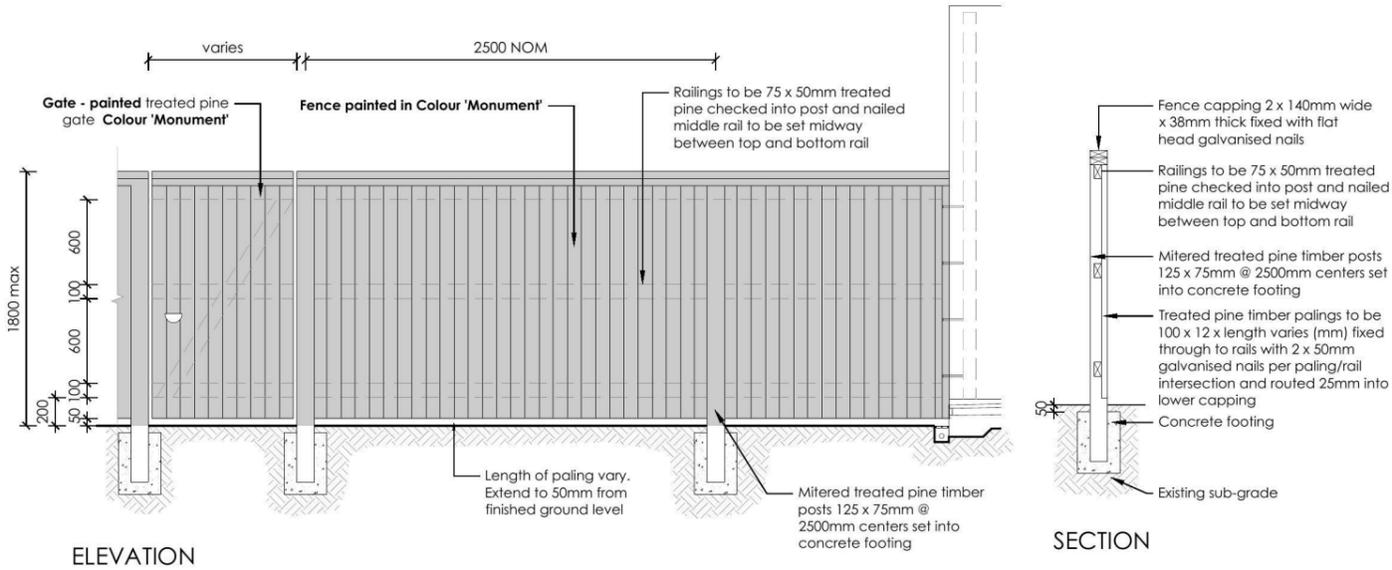
6. All work to comply with relevant Australian Standards or Building Code of Australia  
7. All work to be performed by a suitably qualified tradesperson  
8. For application purposes only - NOT FOR CONSTRUCTION

PROJECT: **LOT 2333 WALSHAW STREET, PENRITH**

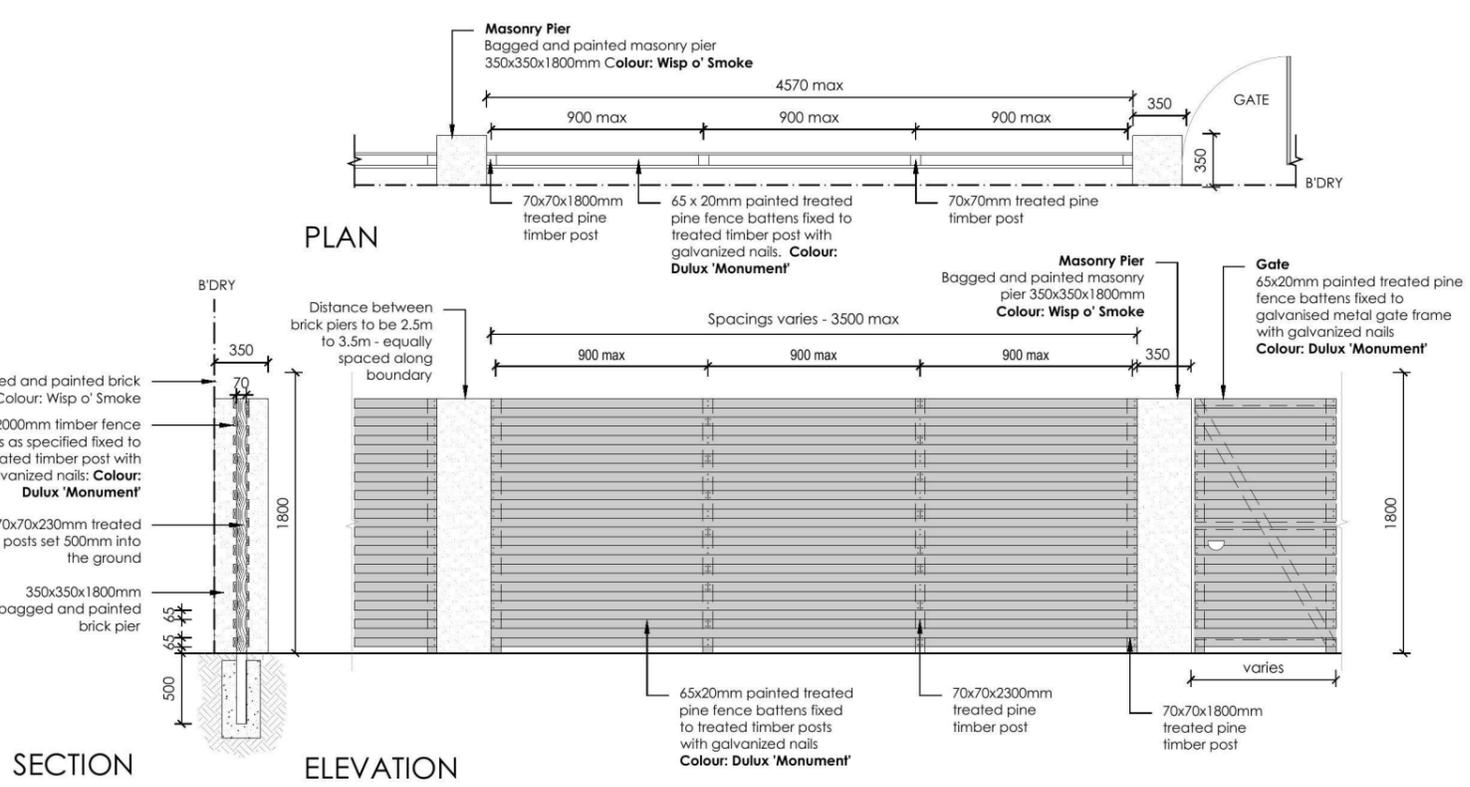
CLIENT: **RAWSON HOMES**

PROJECT: NEW RESIDENCE			
DRAWING: LANDSCAPE PLAN			
SCALE: 1:100 @ A3	DATE: DA	SHEET: L-03	REVISION: B
DRAWN: RS	CHECK: RS	DATE: 26-08-15	





**7 FENCE TYPE 4b - Rear Boundary**  
 1:50 All Laneways (except Barlett Lane)  
 Typical detail



**8 FENCE TYPE 2a - Secondary Street Fencing**  
 1:50 Typical detail

REVISION	DESCRIPTION	DRAWN	CHECK	DATE
A	ISSUE FOR CLIENT REVIEW	RS	BT	27-02-14
B	RE-SITE GARAGE TO NEW ARCHITECTURALS, ADD SURVEY DATA + FFL'S	RS	RS	26-08-15

**ecodesign**  
 outdoor living environments

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6. All work to comply with relevant Australian Standards or Building Code of Australia  
 7. All work to be performed by a suitably qualified tradesperson  
 8. For application purposes only - NOT FOR CONSTRUCTION

**LOT 2333 WALSHAW STREET, PENRITH**

**RAWSON HOMES**

**NEW RESIDENCE**

**LANDSCAPE PLAN**

SCALE: 1:100 @ A3  
 ISSUE: DA  
 SHEET: L-04  
 DATE: 26-08-15  
 REVISION: B



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**NOTES:**

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INDIVIDUAL CONTRACTS WILL TAKE PRECEDENCE OVER PLANS

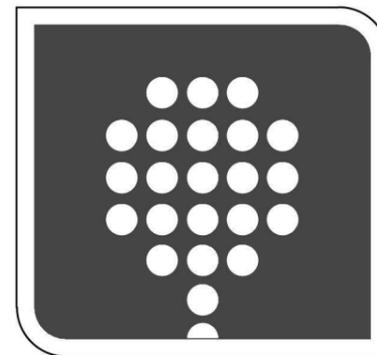
\* ALL DIMENSIONS ARE IN MILLIMETRES

\* DO NOT SCALE - USE WRITTEN DIMENSIONS

RAWSON HOMES PTY LTD WILL TAKE NO RESPONSIBILITY FOR  
ANY VERBAL DISCUSSIONS OR INSTRUCTIONS. ALL CHANGES  
AND SPECIAL INCLUSIONS MUST BE DOCUMENTED IN WRITING

**SCHEDULE OF DRAWINGS:**

SHEET	DRAWING TITLE
01	COVER SHEET
02	SITE PLAN
03	GROUND FLOOR PLAN
04	FIRST FLOOR PLAN
05	ELEVATIONS 1
06	ELEVATIONS 2
07	SECTION
08	SLAB PLAN
09	ELECTRICAL LAYOUTS
10	WET AREA DETAILS
11	STUDIO PLANS & ADDITIONALS
12	STUDIO ELEVATIONS & SECTION
13	SEDIMENT/WASTE PLAN
14	SHADOW DIAGRAM



**RAWSON  
PROJECTS**

ISSUE:	AMENDMENT DESCRIPTION:	DRAWN:	DATE:
A	ISSUE FOR CONCEPT APPROVAL	SJB	20.02.14
B	SITE REVISED WITH DESIGN LEVELS & SERVICES ADDED;GL'S ADDED TO ELEV'S	SJB	31.03.14
C	ISSUE FOR DA;SITE UPDATED TO LATEST CONTOURS + FLOOR LEVELS REVISED; SEDIMENT/WASTE + SHADOWS ADDED	SJB	03.11.14
D	ISSUE FOR CC;ADD INFO. TO FLOOR PLANS;SECTION;SLAB,ELECTS & WET AREAS & STUDIO DWGS INCL.;WINDOW GLAZING NOTES ADDED;STUDIO/GARAGE RELOCATED FORWARD WITH CALC'S ADJUSTED ACCORDINGLY	SJB	24.08.15
E	CLIENT NAME REVISED;ELECS UPDATED; CAVITY SLIDING DOOR TO ENSUITE	SJB	27.08.15

**CC SUBMISSION**

SIGNATURE.....

**NOTES:**

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- \* ALL DIMENSIONS ARE TO STRUCTURAL FRAMES
- \* ALL DIMENSIONS ARE IN MILLIMETRES
- \* DO NOT SCALE - USE WRITTEN DIMENSIONS

**RAWSON HOMES**

1 HOMEBUSH BAY DRIVE  
BUILDING F, LEVEL 2, SUITE 1  
RHODES NSW 2138  
TELEPHONE: 02 8765 5500  
FAX : 02 8765 8099  
BUILDER'S LICENCE No. 33493C



CLIENT:  
XINYAN ZHAO

SITE ADDRESS:  
LOT 2333 cnr WALSHAW STREET  
& EMPIRE CIRCUIT  
PENRITH (THORNTON ESTATE)

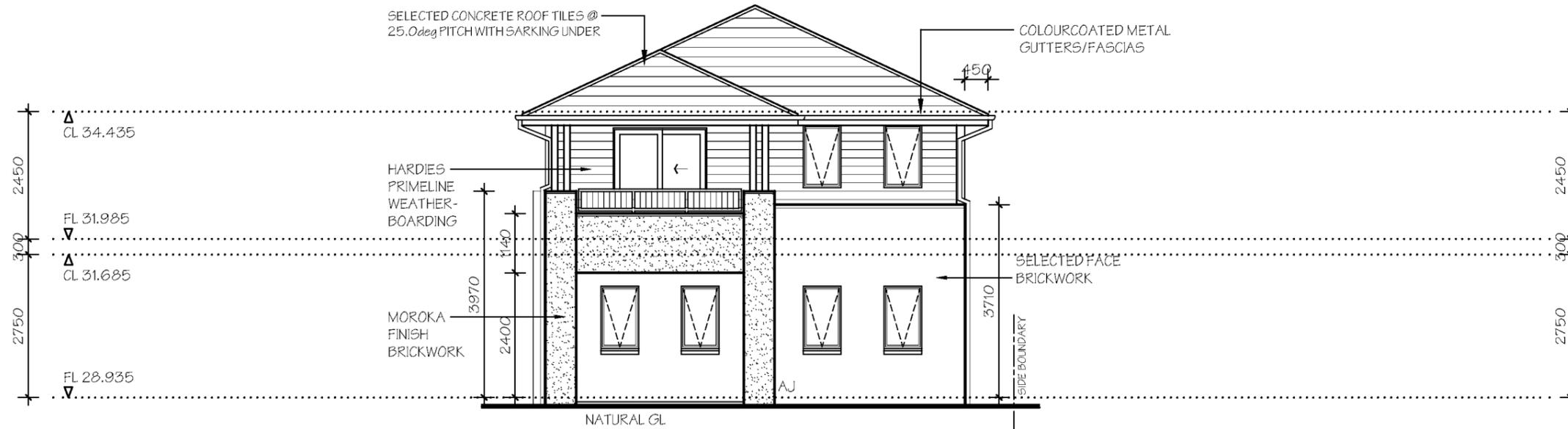
HOUSETYPE:  
MODEL: FINCHLEY LH  
FACADE: VOGUE  
TYPE:  
SPECIFICATION:

DRAWING TITLE:  
**COVER SHEET**

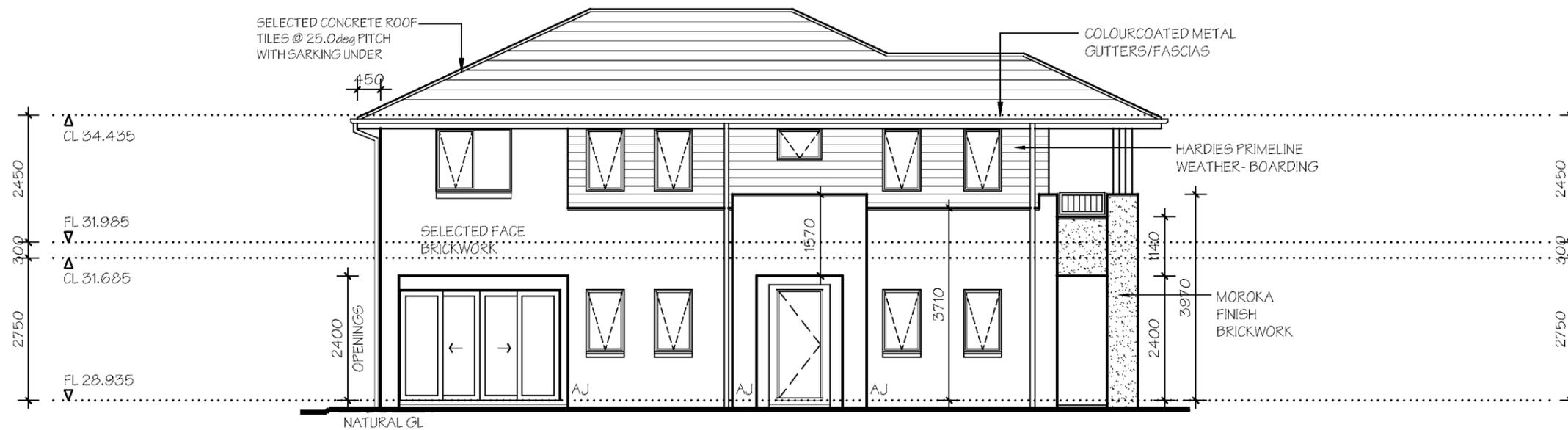
DRAWN BY:	DATE DRAWN:	CHECKED BY:	APPROVED FOR CONSTRUCTION:
SJB	FEB.'14		
COUNCIL AREA: PENRITH		SCALE: NTS	
JOB No: J003489	DRWG No.: 01	ISSUE: E	



NOTE:  
\*STAINLESS STEEL MESH SECURITY  
SCREEN DOOR TO FRONT ENTRY  
\*NYLON MESH FLYSCREENS TO ALL  
OPENING WINDOWS & SLIDING  
DOORS (EXCLUDING HINGED DOORS)



FRONT ELEVATION - A



SIDE ELEVATION - B

NOTES:

PLEASE NOTE: DETAILS SHOWN ON THESE PLANS ARE INTENDED TO BE ACCURATE - HOWEVER INFORMATION WRITTEN INTO INDIVIDUAL CONTRACTS WILL TAKE PRECEDENCE OVER PLANS

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TELEPHONE: 02 8765 5500  
FAX : 02 8765 8099  
BUILDER'S LICENCE No. 33493C



CLIENT:  
XINYAN ZHAO

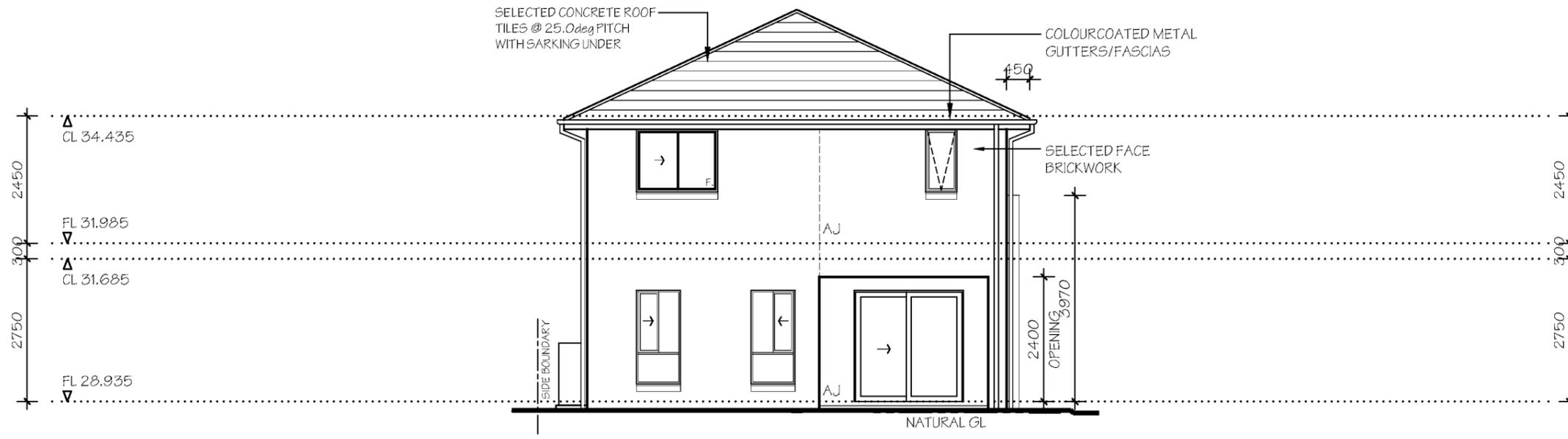
SITE ADDRESS:  
LOT 2333 cnr WALSHAW STREET  
& EMPIRE CIRCUIT  
PENRITH (THORNTON ESTATE)

HOUSETYPE:  
MODEL: FINCHLEY LH  
FACADE: VOGUE  
TYPE:  
SPECIFICATION:

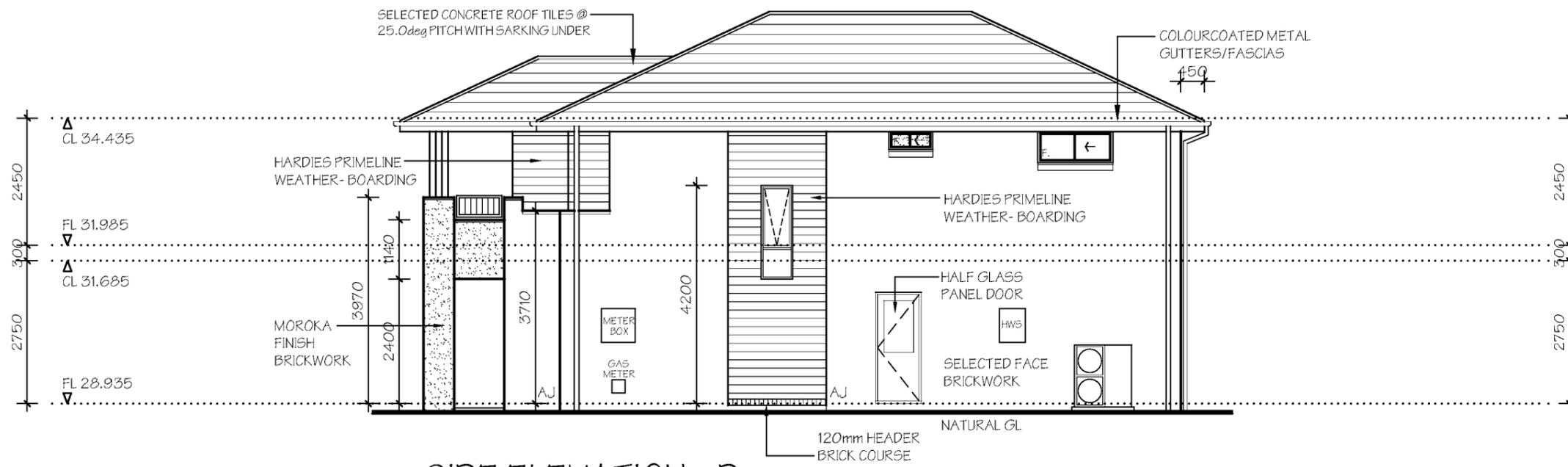
DRAWING TITLE:  
ELEVATIONS 1

DRAWN BY: SJB	DATE DRAWN: FEB '14	CHECKED BY:	APPROVED FOR CONSTRUCTION:
COUNCIL AREA: PENRITH		SCALE: 1:100	
JOB No: J003489	DRWG No.:	ISSUE:	
	05	E	

NOTE:  
\*STAINLESS STEEL MESH SECURITY  
SCREEN DOOR TO FRONT ENTRY  
\*NYLON MESH FLYSCREENS TO ALL  
OPENING WINDOWS & SLIDING  
DOORS (EXCLUDING HINGED DOORS)



REAR ELEVATION - C



SIDE ELEVATION - D

NOTES:

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BUILDER'S LICENCE No. 33493C



CLIENT:  
XINYAN ZHAO

SITE ADDRESS:  
LOT 2333 cnr WALSHAW STREET  
& EMPIRE CIRCUIT  
PENRITH (THORNTON ESTATE)

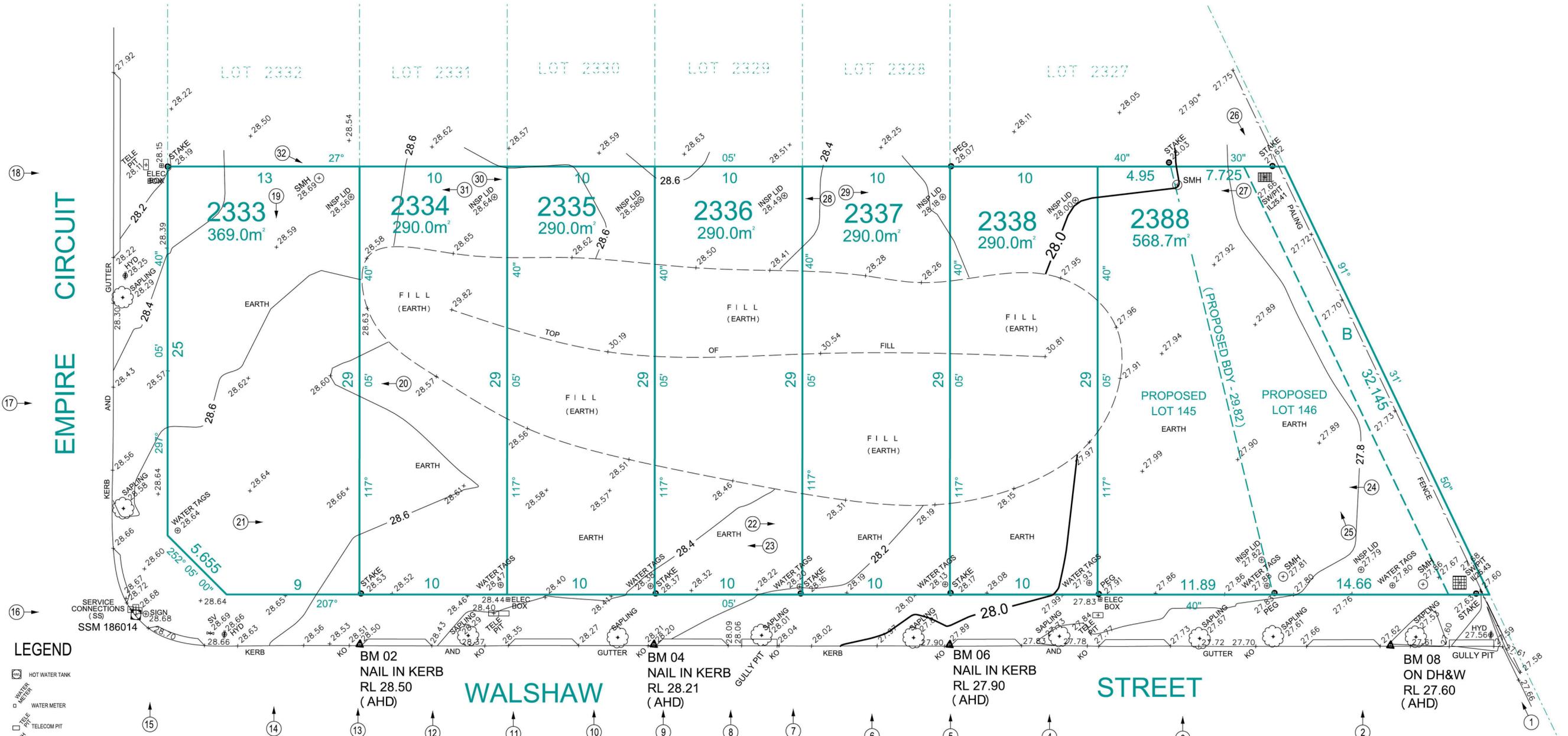
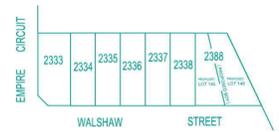
HOUSETYPE:  
MODEL: FINCHLEY LH  
FACADE: VOGUE  
TYPE:  
SPECIFICATION:

DRAWING TITLE:  
ELEVATIONS 2

DRAWN BY: SJB	DATE DRAWN: FEB '14	CHECKED BY:	APPROVED FOR CONSTRUCTION:
COUNCIL AREA: PENRITH		SCALE: 1:100	
JOB No: J003489	DRWG No.:	ISSUE:	
	06	E	

MGA (TRUE)

LOCATION PLAN  
 UBD REF: 163, J7  
 LAT: -33.74583  
 LONG: 150.70005



**LEGEND**

- HOT WATER TANK
- WATER METER
- WATER METER
- TELECOM PIT
- MANHOLE (SEWER/STORMWATER)
- VEHICLE CROSSING
- KERB INLET PIT
- LIGHT POLE
- ELECTRICITY POLE
- ELECTRICITY PILLAR
- HYDRANT
- STOP VALVE
- KERB OUTLET
- SERVICE CONDUIT
- TREE (DIA/HEIGHT)
- GARDEN BED
- SHRUB

- 15
- 14
- 13
- 12
- 11
- 10
- 9
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1



DATUM OF LEVELS: AUSTRALIAN HEIGHT DATUM  
 ORIGIN OF LEVELS: SSM 180810 RL 28.445  
 SOURCE OF LEVELS: SCIMS

No.	AMENDMENT	DATE
F		
E		
D		
C		
B		
A		

CONTOURS SHOWN HAVE BEEN INTERPOLATED FROM SPOT LEVELS TAKEN ON-SITE AND ARE A REPRESENTATION OF THE TOPOGRAPHY ONLY.  
 DIMENSIONS AND AREAS HAVE BEEN DETERMINED FROM PLANS MADE AVAILABLE AT LPI, NSW AND ARE SUBJECT TO FINAL SURVEY.  
 SERVICES SHOWN HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY. PRIOR TO ANY SITE WORKS, THE RELEVANT AUTHORITY SHOULD BE CONTACTED TO ESTABLISH ACCURATE POSITION AND DEPTH OF ANY SERVICES.  
 DIMENSIONS OF ANY TREES SHOWN ON THE PLAN ARE APPROXIMATE

**STRUCterre**  
 surveying  
 REGISTERED SURVEYORS & LAND INFORMATION CONSULTANTS  
 Suite 1, Level 2, 42 Birnie Avenue Lidcombe, NSW 2141  
 Phone: 9546 5811, Fax: 9646 2311  
 Email: nsw.surveying@struc.com.au  
 www.struc.com.au

0 1 2 3 4 5 10  
 SCALE 1: 200 A2  
 DRAWN: IS    JOB 2070/301668    DATE: 08.10.2014  
 CHECKED: GT    FILE NAME 301668    DATUM: AHD

**DETAIL & CONTOUR SURVEY**  
 LOT 2333-2338 & 2388 DP UNREGISTERED  
 AT WALSHAW STREET, PENRITH  
 CLIENT: RAWSON HOMES    REF:

**B: EASEMENT TO DRAIN WATER 2.5 WIDE**  
 NOTE: SEWER NOT AVAILABLE AT THE TIME OF SURVEY

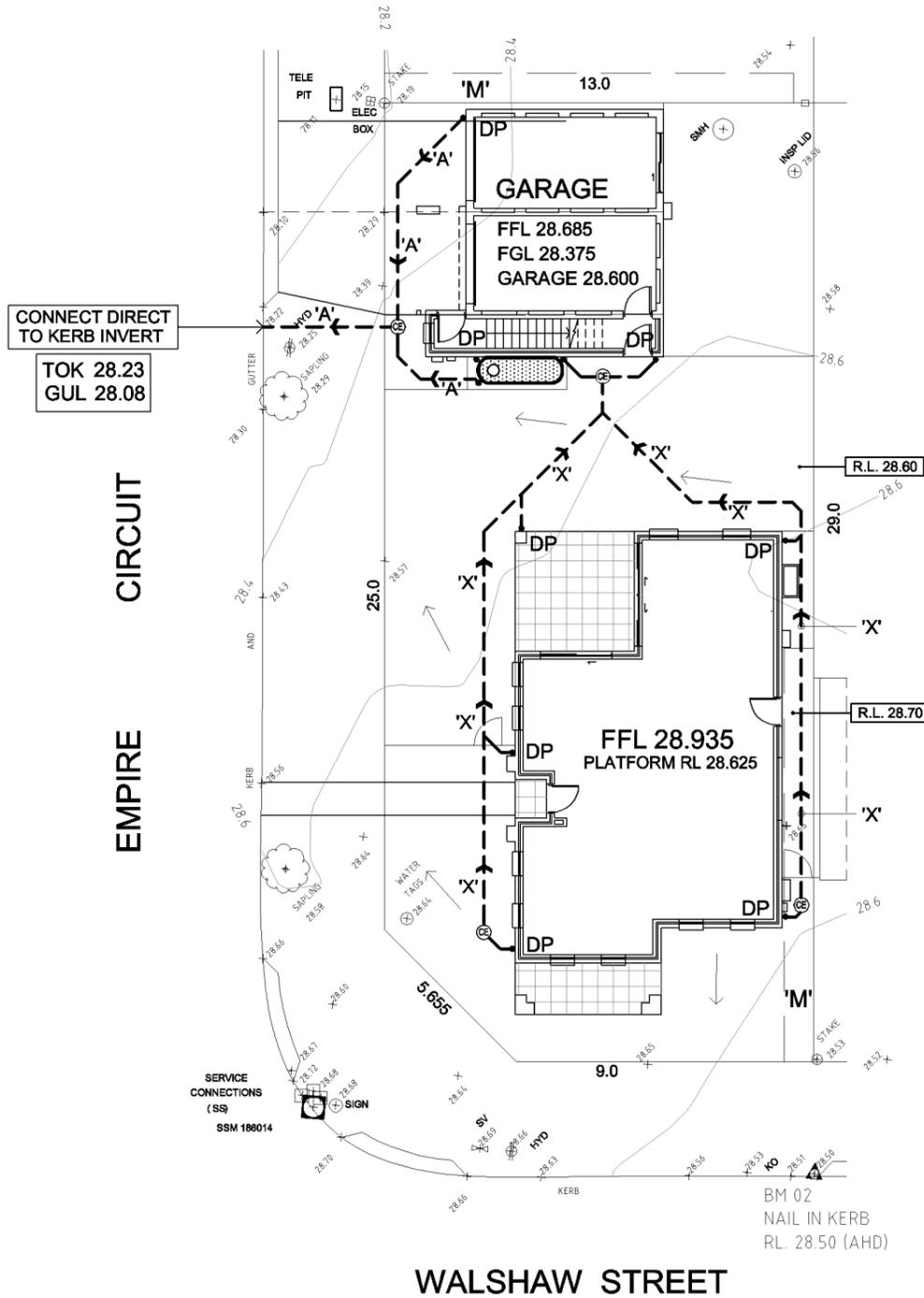
**WARNING - UNREGISTERED PLAN**  
 THIS CONTOUR AND DETAIL SURVEY IS BASED UPON AN UNREGISTERED PLAN. ALL BOUNDARIES AND EASEMENTS ARE UNREGISTERED AND MAY BE AMENDED TO SUIT THE REQUIREMENTS OF COUNCIL OR THE LAND TITLES OFFICE. THIS INFORMATION MUST BE VERIFIED UPON REGISTRATION. NO FURTHER INVESTIGATION HAS BEEN UNDERTAKEN TO DISCLOSE EASEMENTS ETC OMITTED FROM THE UNREGISTERED PLAN. STRUCTERRE SURVEYING CAN ACCEPT NO LIABILITY FOR ANY LOSS OR DAMAGE HOWSOEVER ARISING, TO ANY PERSON OR CORPORATION, DUE TO OMISSIONS, ERRORS OR VARIATIONS ON THE UNREGISTERED PLAN. COPIES OF THIS CONTOUR PLAN MUST NOT BE REPRODUCED WITHOUT THIS NOTICE.

NOTE:  
 THIS SURVEY IS FOR CONTOUR PURPOSES ONLY  
 SERVICES SHOWN HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY.

SITE STORMWATER MANAGEMENT LAYOUT  
SCALE 1:200/A3



PIPE SCHEDULE			
TAG	SIZE	MATERIAL	DESCRIPTION
'A'	100 Ø	P.V.C	REGULAR GRAVITY PIPE
'B'	150 Ø	P.V.C	REGULAR GRAVITY PIPE
'X'	100 Ø	P.V.C	CHARGED TO FEED RAINWATER TANK



EMPIRE CIRCUIT

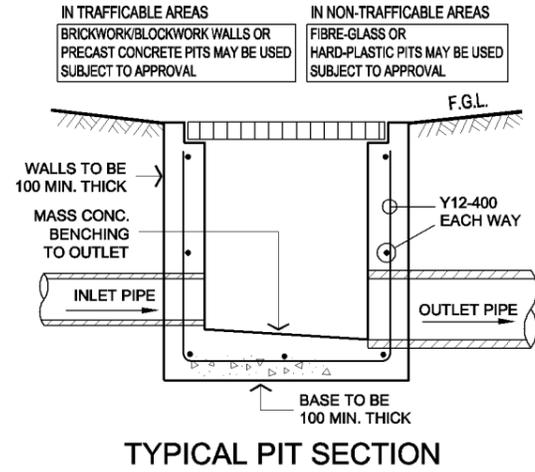
CONNECT DIRECT TO KERB INVERT  
TOK 28.23  
GUL 28.08

WALSHAW STREET

'M': EASEMENT FOR MAINTENANCE 0.9 WIDE

STORMWATER LAYOUT NOTES	
1) PITS DEEPER THAN 600mm TO BE 600 X 900 W, ELSE 375 SQ U.N.O.	COMMENCING ANY WORKS & NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2) ALL PIPES TO HAVE 1% MIN. GRADE U.N.O.	8) DRIVEWAY LEVELS PROVIDED FOR DRAINAGE DESIGN PURPOSES ONLY. LEVELS MAY BE ADJUSTED TO SUIT FINAL HOUSE CUT/FILL CONDITIONS BUT NEED TO MAINTAIN INTENT OF DRAINAGE SYSTEM. ENGINEER TO BE CONSULTED PRIOR TO CONSTRUCTION TO ENSURE INTENT MAINTAINED.
3) ALL DOWNPIPES TO BE 100 X 50 BOX OR 90 Ø.	9) END OF EXISTING DRAINAGE LINE TO BE EXPOSED & LEVELS CONFIRMED BY BUILDER PRIOR TO COMMENCEMENT OF WORKS.
4) PIPES TO BE U.P.V.C. OR STORMWATER PIPE TO A.S.1254.	10) BUILDERS TO ENSURE SERVICES CONNECTIONS TO HOUSE DO NOT CONFLICT WITH DRAINAGE DESIGN REQUIREMENTS.
5) PITS TO BE STANDARD PRECAST CONCRETE PITS OR BRICK RENDERED WITH CONCRETE HEAVY DUTY GRATES SIZED AS PITS PER PLAN.	11) ALL WORKS TO BE CONSTRUCTED TO GOOD BUILDING PRACTICE & MATERIALS TO MEET ACCEPTED SPECIFICATIONS.
6) NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW THE MAXIMUM WATER SURFACE LEVEL IN DETENTION BASINS.	
7) PERSONS UTILISING THIS PLAN FOR ANY PURPOSES SHALL VERIFY THE DATUM & RESPECTIVE LEVELS PRIOR TO	

LEGEND			
P1	PIT LABEL	G.F.L.	GARAGE FLOOR LEVEL
	SUMP PIT	• 0.00	EXISTING REDUCED LEVEL
	300x300 FLOOR GULLY	• R.L. 157.00	PROPOSED REDUCED LEVEL
	100/150 Ø GARDEN GULLY	■ DP	DOWNPIPE
	DRAINAGE PIPE		SPITTER/SPREADER
	AERIAL PIPE		CLEANING EYE
S.L.	SURFACE LEVEL	+++++	SEDIMENT FENCE
I.L.	INVERT LEVEL	- - - - -	AG LINE
F.F.L.	FINISHED FLOOR LEVEL		OVERLAND FLOW



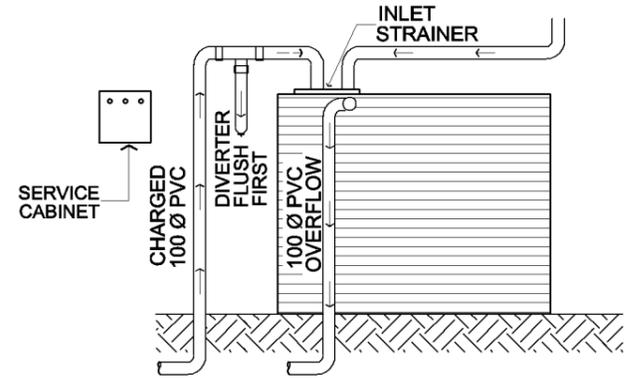
TYPICAL PIT SECTION

RAINWATER TANK AS SHOWN ON PLAN  
PROVIDE A RAINWATER TANK 3500L IN CAPACITY TO SUIT ALL BASIX REQUIREMENTS. TANK TO BE CONNECTED AS SPECIFIED IN BASIX REPORT.

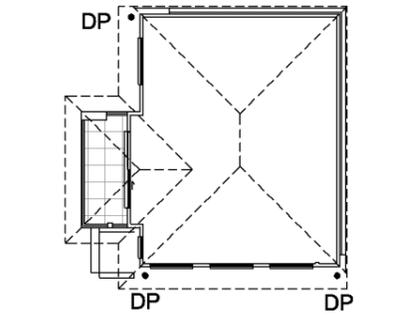
ENSURE ALL CONNECTIONS WITHIN CHARGED SYSTEM ARE SOLVENT WELDED

ALL DOWNPIPES ARE TO BE ENTIRELY PVC. PIPES ARE TO BE SEALED UPTO U/S OF ROOF GUTTERS

ROOF GUTTERS I.L. 31.29  
TANK INLET I.L. 30.45  
HEAD PRESSURE - 840mm



RAINWATER TANK CONFIGURATION



ROOF & FIRST FLOOR LAYOUT  
SCALE 1:200/A3

**alw design**  
CIVIL ENGINEERING CONSULTANTS  
P: 02 8819 2565 F: 02 8819 2597 E: admin@alwdesign.com.au  
M: 0413 763 432 69A COWELLS LANE, ERMINGTON NSW 2115

PROJECT: PROPOSED RESIDENTIAL DWELLING AT LOT 2333 WALSHAW STREET, THORNTON NSW  
DRAWING: SITE STORMWATER MANAGEMENT LAYOUT

DESIGNED	DRAWN	CHECKED:	ANDREW L WAHBE - BE (CIVIL) MIEAUST PENG
A.W	A.W	DRAWINGS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED BY DESIGNING ENGINEER	
B	AMENDED TO SUIT GARAGE ADJUSTMENT ISSUED FOR DEVELOPMENT APPLICATION		25/08/15
A			06/11/14
ISSUE	REVISION DESCRIPTION	APPR. DATE	

JOB NUMBER: SW14471  
DRAWING NUMBER: SW14471 - S1