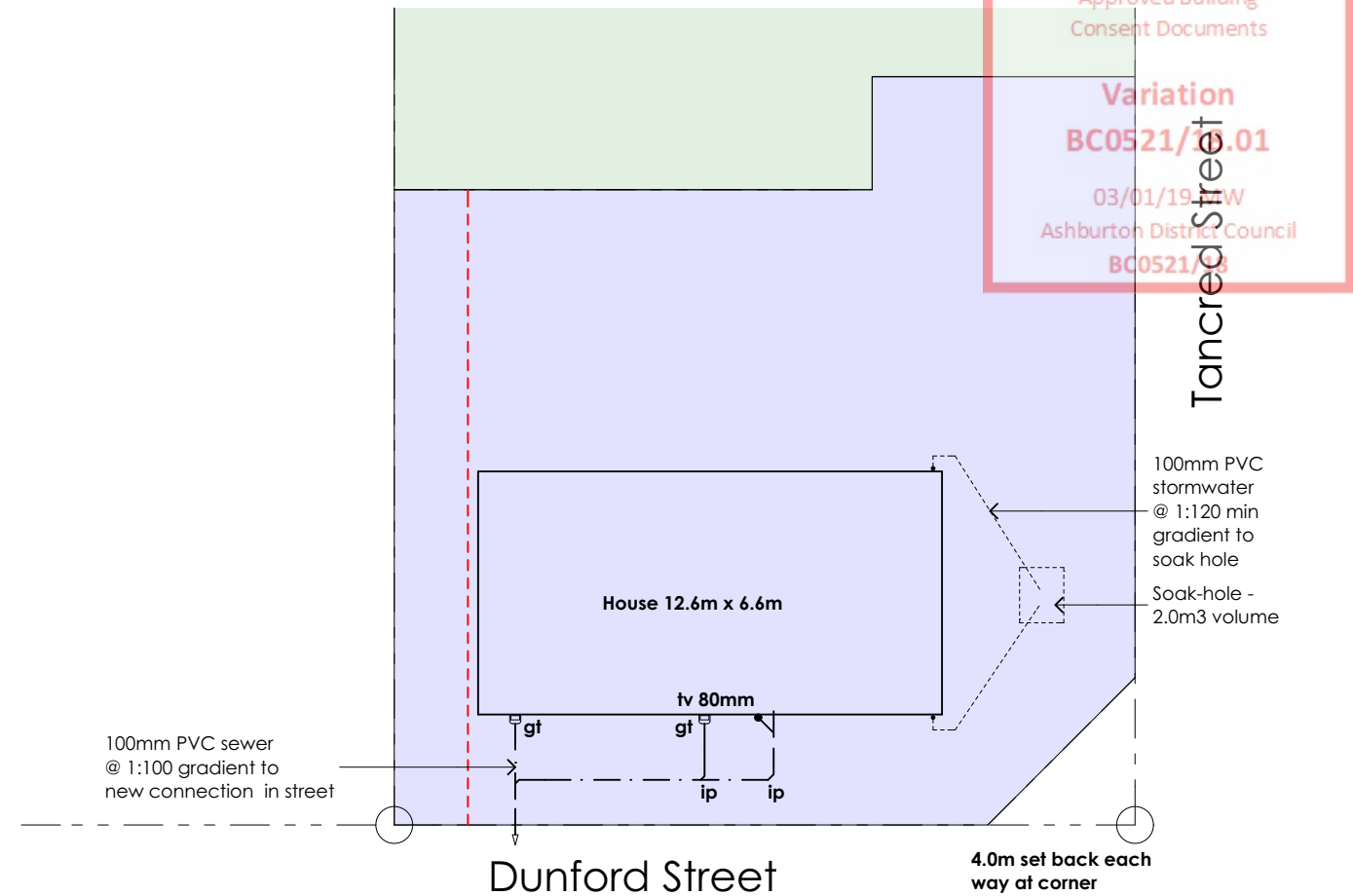
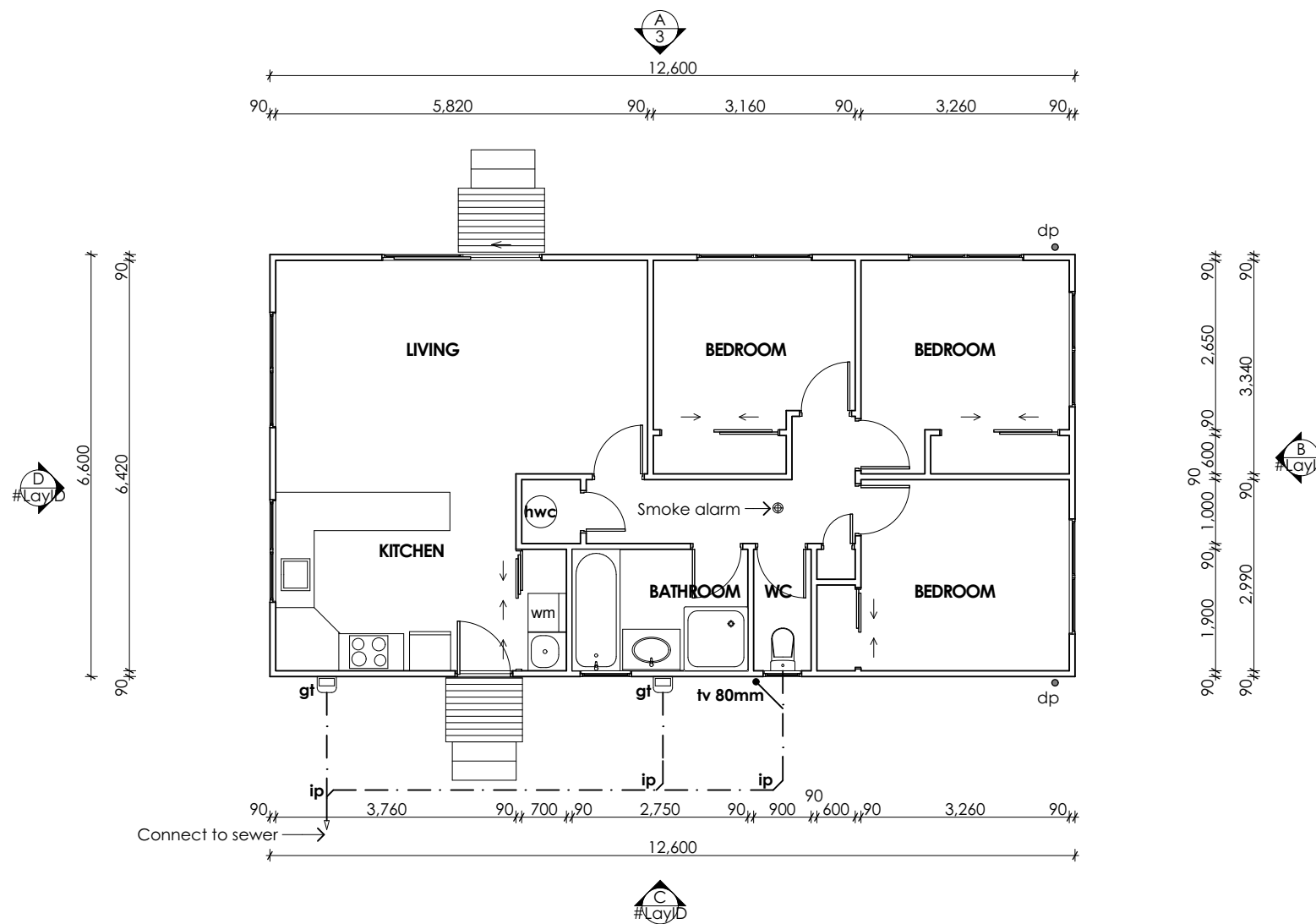




DRAINAGE PLAN

1:200

- Contractors are reminded to check all dimensions and detailing on site prior to commencing any work.
- All work shall comply with NZS 3604:2011, the New Zealand Building Code and all other relevant standards.

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Relocate Residence

Jim King

LEGAL DESCRIPTION: Lot No - 2 DP - 510133

ADDRESS: 117 Dunford Street
Rakaia

Plans

CONSENT ISSUE

DATE: 14/09/2018

REVISION: A - 16/10/2018

DRAWN BY: J.G

SCALE 1:100, 1:200

18:042

2 of 4

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Blueprints

PILE KEY

- 125 x 125 H5 Anchor pile set in 460 dia x 900mm concrete footing.
- 125 x 125 H5 pile set in 460 dia concrete footing, embedded a minimum distance of 300mm into the ground

NOTES RE AMENDED PILE LAYOUT AND BEARERS

Existing Dwelling has been constructed using the alternative Hychord Joist floor with three rows of bearers

Contractors have drilled pile holes to suit spacings shown in original drawing whereas the Multiproof design drawings showed a reduced pile spacings along the centre bearer to allow for greater loaded dimension.

Rather than re-drill pile holes and provide two extra piles, an additional 140 x 45 bearer member shall be added alongside the existing bearer - This has been reviewed by TM consultants as sufficient to meet equivalent NZS3604 design strength

All piles (including internal piles supporting floor only) are set in 460 Diameter pile footings

Anchor Piles have been assessed against Site Wind (high) Loads and EQ (Zone1) loads - total 6 required as shown

A - 16/10/2018

FOUNDATION PLAN

1:100

Demand Calculation Sheet

Job Details

Name: Jim King
Street and Number: Cnr Dunford St & Tancred Street
Lot and DP Number:
City/Town/District: Rakaia
Designer: J Gibbs
Company: Blueprints
Date: 18/7/2018

Building Specification

Number of Storeys 1
Floor Loading 2 kPa
Foundation Type Subfloor
Subfloor Cladding Weight Light
Single
Cladding Weight Light
Roof Weight Light
Room in Roof Space No
Roof Pitch (degrees) 20
Roof Height above Eaves (m) 1.5
Building Height to Apex (m) 4.6
Ground to Lower Floor (m) 0.6

Average Stud Height (m) 2.4
Building Length (m) 12.6
Building Width (m) 6.6
Building Plan Area (m²) 83.16

Building Location

Wind Zone = High

Earthquake Zone 1

Soil Type D & E (Deep to Very Soft)
Annual Prob. of Exceedance: 1 in 500 (Default)

Bracing Units required for Wind

	Along	Across
Single Level	295	478
Subfloor Level	603	821

Bracing Units required for Earthquake

	Along & Across
Single Level	440
Subfloor Level	566

Subfloor Level Along Resistance Sheet

Job Name: Jim King

									Wind	EQ
									Demand	
									603	566
									Achieved	
									960	720
									128%	127%
A	1	2.00			Anchor Pile	NZS3604	320	240		
									320 OK	240 OK
B	1	2.00			Anchor Pile	NZS3604	320	240		
									320 OK	240 OK
C	1	2.00			Anchor Pile	NZS3604	320	240		
									320 OK	240 OK

Subfloor Level Across Resistance Sheet

Job Name: Jim King

									Wind	EQ
									Demand	
									821	566
									Achieved	
									960	720
									Check	127%
M	1	2.00			Anchor Pile	NZS3604	320	240		
									320 OK	240 OK
N	1	1.00			Anchor Pile	NZS3604	160	120		
									160 OK	120 OK
O	1	1.00			Anchor Pile	NZS3604	160	120		
									160 OK	120 OK
P	1	2.00			Anchor Pile	NZS3604	320	240		
									320 OK	240 OK