STATEMENT OF ENVIRONMENTAL EFFECTS & WASTE MANAGEMENT TO ACCOMPANY A DEVELOPMENT APPLICATION

Under Local Environmental Plan

Penrith City Council LEP 2010

THE DOCUMENT INCLUDES

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RESIDENTIAL DEVELOPMENT CLASS 1a

Penrith City Council

Zoned: R1 - General Residential

SOEE FILE NO: 85017 GJG IBE

Issue: Council & Certifier

TUESDAY, 14 NOVEMBER 2017

CONSTRUCTION OF A TWO STOREY DWELLING WATER TANKS and Landscaping

GJG – Ibe-Djumapili - Lot No: 303 IN DP 1215888 Street No: 42 Bradley Street Glenmore Park NSW 2745 Site area 268.2m²

Issued Development Consent ...

Dated: ...

BUILDER: Licenced Builder – <u>GJ Gardner Homes</u>				
The Owners / C. Title: -				
Lessee: -	Lessee: -			
Address: No:				
Applicant: -				
Development Application Prepare	1			
Revision	Date	Approved by		
Submission	14/11/2017			
McTavish Design ABN Address details Telephone (02) 4758 6200 THE WORK The building work described in the contract dated LOCATION GJG − Ibe-Djumapili - Lot No: 303 IN DP 1215888 Street No: 42 Bradley Street Glenmore Park NSW 2745 Site area 268.2m²				
Penrith				
THE PARTIES Owner/s` -				
Address				
Builder -				

Address	-		
ABN			
Lic numbe	er -		
SIGNATL	JRES		
Owner/s			
Date			
Builder	-		
Date			
Initials			
Date:	14/11/2017		
		Date:	14/11/2017

DEVELOPMENT DETAILS

RE: Property Address:

GJG – Tovey - Lot No: 305 IN DP 1215888 Street No: 38 Bradley Street Glenmore Park NSW 2747 Site area 333.7m²







Reference to Reports and or other Requirements:

PROJECT DESIGN DESCRIPTION

The proposal comprises of the following:

Description

- A Two Storey Dwelling
 - Comprising generally of: 4 bedrooms and general living areas
- Detached Double Garage
- Water Tank/s.
- Residential Driveway access. to the rear of the site
- Removal of Vegetation
 - Landscape Design see plans
- New Vegetation YES
 - Landscape Design see plans

Construction

Floors

• Floor Slab on ground & framed floor construction to first floor

Roof

Roof - Colorbond custom orb.

Walls

- Walls Timber framed clad walls
- Walls Brick veneered walls

Window& glazing

Aluminium framed glazing

Beam & Columns

- External brick piers
- External timber posts

Building Platform

The Proposal has minor site cut and fill techniques for RC slab floor construction

Stormwater

Stormwater: overflow from rainwater tank to existing street disposal

Waste water: to mains sewer to existing disposal system

Associated water tanks

- Primary Dwelling
 - o Above ground Steel water tank

3 KL

Council & Basix Portion Total Water Retention

3 KL

Ancillary structures and or detached buildings and Classifications

Unauthorised Building

There is no unauthorised development associated with this report as indicated on the site.

BUILDING IN BUSHFIRE PRONE AREAS

Bushfire Prone

Building in bushfire prone areas - AS 3959

The area is mapped by council as being bushfire prone.

the specific site is:

assessed to be BAL level 12.5 construction requirements to:

All elevations

See report provided

Note

Reference may also be made to the rural fire service conditions as per final conditions of consent

Reference: *category of bushfire hazard / attack as per as 3959 and planning for bushfire attack 2006.

EXISTING SITE AND LOCATION

1 EXISTING LAND USE

The subject site is an existing vacant lot

2 THE SITE CHARACTERISTICS

The site has a slight fall from the front of the site to the rear hence the proposal is cut and fill - slab on ground techniques

3 SITE ACCESS

The proposed development provides for:

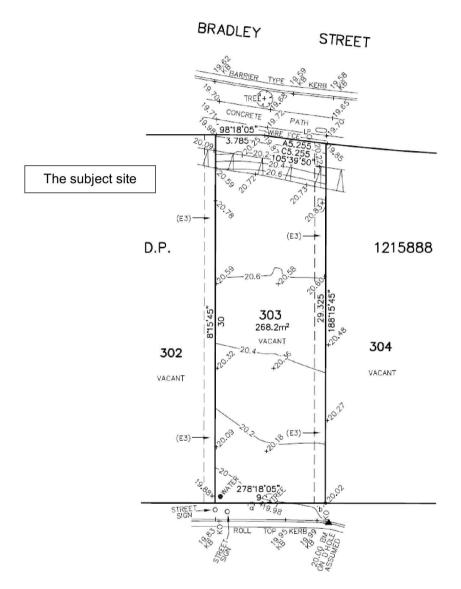
- * Access to the site will be via the new driveway as proposed from the rear boundary
- * The site is defined as a **Rear Loaded Site** with vehicle access from the rear lane
- * Additional Site perimeter temporary fencing shall be provided as to Council and Workcover's requirements.

4 SITE WORK

Description:

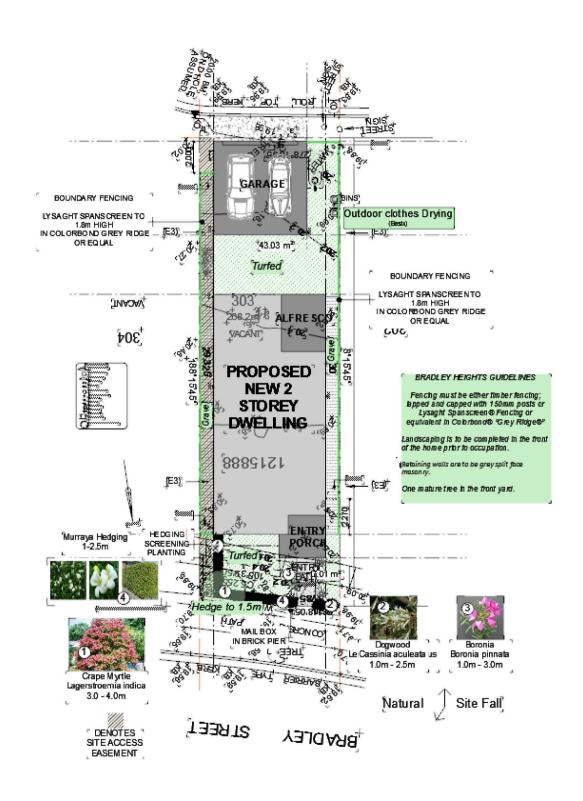
- New Construction
- o Cut and fill techniques for concrete slab on ground construction.
- Management of waste

SITE PLAN - THE PROPOSED BUILDING SITING

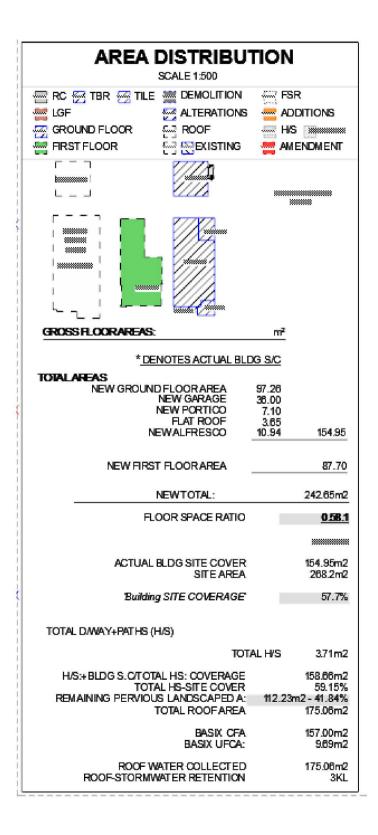


PEAK PLACE

The Proposed Building Siting



AREA DISTRIBUTION



PROJECT INFORMATION

PROJECT	INFORMATION
DATE OF ISSUE	14 Nov 2017
	85017
PROJECT NUMBER	GJG
DESIGN NAME	Custom Miami
OFFICE FILE	
PROJECT NAME	Daneil Ibe and Jamaa Djumapili
LOCATION	No 42 Lot 303 Bradley Street Glenmore Park NSW 2745
ZONING	R1
SITE AREA	268.2m2
STREET No	42
LOT-s No	303
DP No	1215888
CONTOURS	0.2m
SURVEYBY	Cad Consulting
FLOOR SPACE RATIO	0.58.1
BLDG SQ METERS	242.65m2
BLDG BLDG SQUARES	Sq
BLDG SITE COVER	154.95m2
BLDG SITE COVER %	57.7%
TOTAL H/S COVER	3.71m2
TOTAL HS-SITE COVER	59.15%
REMAINING PERVIOUS A:	112.23m2 - 41.84%
PROPOSED BAL LEVEL	BAL 12.5
BASIX CERT No	864683S
BASIX CFA	157.00m2
BASIX UCFA	9.69m2
TOTAL ROOF AREA	175.06m2
ROOF AREA COLLECTED	175.06m2
S - WATER RETENTION	3KL
S - WATER DETENTION	KL
BFP TANK OR CAPACITY	KL
SITE AND SLAB TYPE	Slab Type M
WIND CLASSIFICATION	-
DA No	
CC No	
AMENDMENT	

PRELODGEMENTS - APPROVALS - ZONING OBJECTIVES & VARIATIONS

Contained within this Statement are specific references and or Compliance statements to Penrith CC LEP 2010 and the Objectives of the LEP, including the current Control Plan Penrith CC DCP 2014:

This report should be read in conjunction with the relevant Development Application plans submitted with the Development Application.

Is the application as currently submitted a Complying Development application?
• No
Is the Proposal "Numeric based control" against the respective DCP?
■ No
Is the Proposal "Merit based" against the respective DCP?
• Yes
Was the Proposal assessed by the Estate Development Review Panel?
• Yes
Ref No
 Dated
Was the Proposal approved by the Estate Development Review Panel?
• Yes
 Ref No
Dated
Was a Council Pre Development or Pre lodgement Application provided?
- No
Ref No
 Dated

TABLE OF PLANNING COMPLIANCE & SUMMARY

TABLE OF PLANNING COMPLIANCE PENRITH CITY COUNCIL GUIDELINES LEP 2010 DCP 2014

(ZONED R1 Residential)

Small Lots - Rear Loaded Site

Compliance & Variations

GJG – Ibe-Djumapili - Lot No: 303 IN DP 1215888 Street No: 42 Bradley Street Glenmore Park NSW 2745 Site area 268.2m²

Issue	Council Requirement Min	Proposed	Comment
1. R1			
Site Area	260.01m2		
1. Site	Small Lots Glenmore park	Small Lot	Complies
Characteristics	Rear Loaded		
2. Bldg Site Coverage	undefined	154.95%	Merit based
3. Remaining Landscaped Areas 4. Pervious area	not defined	41.84% proposed Within Reg: setbacks	Merit based
5. Height Limit (Ridge)	Two Storey 8.5 m to ridge	7.05m ridge ht	Complies
6. Height Limit (Eaves)	not defined	5.375m eaves ht averaging	Complies
7. Front Setback	not defined		
(m)	building line or within average setbacks	4016.0m building line	Complies
8. Side Setback 1 (m)	0.9m at bdry	0.9m	Complies
9. Side Setback 2 (m)	0.9m at bdry	0.9m	Complies
10. Rear Setback (m)	0.0m rear loaded garages	0.224m	Complies
rear loaded	6.0m two storey		
11. Secondary	-		
Setback 12. Garages	n/a or rear loaded	-	Complies
13. Building Width (m)	within setbacks	within setbacks	Complies
14. F.S.R. %	not defined	-	Complies
15. Cut & Fill	0.6m max cut & fill	C = 0.31 external	Complies

(maximum)		F = 0	
		(Building footprint)	
16. Stormwater Disposal	To water tank. O/flow to street, easement or absorption pits	To water tank and o/flow to rear street disposal	Complies
17. Solar Access	Siting to maximise solar access	west east facing living areas	Complies
18. Private open space (m²)	6 x 4m - min 24sqm	actual = 62.62sqm	Complies
19. Garage width (%)	max 50%	n/a	Complies
20. Garage doors		2 space	
21. Vehicle Parking	(2) space 1 may be stacked parking	rear loaded garage	Complies
22. Dual Occupancies			
23. Private open space	retained solar amenity to the existing dwelling	best practicable solar amenity access	Complies

ZONING OBJECTIVES AND ENVIRONMENTAL IMPACT

1.1 ZONING OBJECTIVES & DCP GUIDELINES

What are the aims and objectives of LEP 2010?

LEP 2010		Comment
What are the aims and objectives of LEP 2010?		
R1 General Residential		
1 Objectives of zone		
To provide for the housing needs of the community.		
To provide for a variety of housing types and densities.	√	The Proposed ensures that new development
To enable other land uses that provide facilities or services to meet the day to day needs of residents.	·	reflects the desired future character and dwelling densities of the area.
To ensure that a high level of residential amenity is achieved and maintained.		
To ensure that new development reflects the		

desired future character and dwelling densities of the area. 2 Permitted without consent Home occupations 3 Permitted with consent Attached dwellings; Bed and breakfast accommodation; Boarding houses; Building identification signs; Business identification signs; Centre-based child care facilities; Community facilities; Dwelling houses; Emergency services facilities; Environmental protection works; Exhibition homes; Exhibition villages; Flood mitigation works; Group homes; Home-based child care; Home businesses; Home industries; Hostels; Information and education facilities; Multidwelling housing; Neighbourhood shops; Places of public worship; Recreation areas; Residential accommodation; Residential flat buildings; Respite day care centres; Roads; Semi-detached dwellings; Seniors housing; Shop top housing 4 Prohibited Rural workers' dwellings; Any other development not specified in item 2 or 3	The Proposed - Attached dwellings

Does the Proposal meet the aims and objectives of the respective LEP or is a variation proposed?

Yes

How the Objectives of the LEP have been achieved

The Proposal complies to the LEP Development Standards

Is the design contrary to a development standard?

- No
- · .

What are the aims and objectives of the DCP?

DCP 2014	Comment
What are the aims and objectives of DCP	
2014?	
The residential character of any neighbourhood is	The Proposed development has been designed in respect to the development lot

determined by: 1) Location and density of size development: a) proximity to busy centres or (small lot rear loaded) major roads b) residential density and mix of housing types c) proximity to heritage precincts d) frontage to public parks. A. Objectives The objectives of this Section are: a) To establish overall guidelines for environmentally appropriate development b) To adopt the form and character of established neighbourhoods to quide environmentally appropriate design and development; and to stimulate a vibrant streetscape that preserves The Proposed development allows for traces of Penrith's past. c) To ensure that new streetscape planting to the front and rear development does not detract significantly from elevations the quality and amenity of existing dwellings and private gardens. 2.1.2 Setbacks and Building Envelope A. Objectives Building setbacks and envelopes are established to: a) reflect the character of established garden suburbs, b) provide for establishment of vegetation and reasonable separation between buildings c) To provide a high level of visual and acoustic privacy for residents The proposal is with regulation setbacks and neighbours in dwellings and private open space. d) To ensure that building design minimises overlooking problems e) achieve siteresponsive development f) protect the amenity of occupants by controlling: i) visual impacts relating to height and bulk of buildings; ii) the impact of loss of privacy, overshadowing and loss of views. c) Encroachments to front setbacks i) Verandahs and pergolas are permitted to encroach 1.5m beyond the setback to the primary street frontage

Does the Proposal meet the aims and objectives of the respective DCP or is a variation proposed?

Yes

How the Objectives of the DCP have been achieved

- The Proposal complies to the DCP Control Guidelines
- .

Is the design contrary to a development standard?

- No -

ENVIRONMENTAL IMPACT AND CONSIDERATIONS

1 AN OUTLINE OF MEASURES TAKEN TO REDUCE THE IMPACT ON THE ENVIRONMENT

In Principal the proposed design initially addresses and is derived from the regulation guidelines, control plans and Standards.

The proposed design is such that it addresses and maintains the existing site contours and land form as reasonable practical.

No adverse environmental impacts to the site and or surrounding areas will occur subject to the proposal

1.1 BASIX SCORE

Project summary	
Project name	85017 GJG Ibe-Djumapili Transition
Street address	42 Bradley Street Glenmore Park 2745
Local Government Area	Penrith City Council
Plan type and plan number	deposited 1215888
Lot no.	303
Section no.	-
Project type	separate dwelling house
No. of bedrooms	4
Project score	
Water	✓ 48 Target 40
Thermal Comfort	✓ Pass Target Pass
Energy	✓ 51 Target 40

ls t	he Site affected by any of the following?
×	Native vegetation
×	Flood prone area
✓	Bushfire Prone
X	On site Waste water management
√	Is the area of land to be disturbed greater than 50m²? (See sediment Control measures)
×	Is the site classified as potentially contaminated or is it currently or has been previously used for a purpose that may have resulted in it being contaminated?
X	Is the site accessed via an unformed road?
×	Is the area to be cleared located within 40 metres of a watercourse?
×	Undisturbed areas or native vegetation
x	Adjacent to areas of bushland
X	Area to be cleared with proximity of a watercourse
X	Rock out crop affected
X	Sandstone benches
×	Noxious weeds and plants
×	Relationship to a Heritage Item
×	A Conservation area
×	A Heritage conservation area
X	Surrounding Heritage or Period housing area
×	A Period housing area
X	Railway corridor
×	Railway corridor within 60m
X	Transport corridor
X	Main transport corridor
X	Flight Path Corridor

Acoustics see acoustics requirements

1.2 WIND EFFECTS

Considering the scale of the proposed development, and consistency with the surrounding developments, it is not anticipated the proposal will cause any adverse wind effects beyond the existing conditions.

1.3 LANDSCAPING CONSIDERATIONS

See landscape plan -

2 STREETSCAPE AND CHARACTER

The Proposal as submitted is seen to be suitable with the given zoning for the site. The Proposal is compatible with the surrounding built area and is consistent with development control guidelines. The Proposal as provided for a clearly defined entry and habitable room window to the streetscape

SITE MANAGEMENT

1.1 SEDIMENT CONTROL- SITE MANAGEMENT

The proposal has provisions for sediment control of:

Geotextile fabric filter sediment control barrier, generally down slope of works.



- 1. USE BARRIERS ATALL POINTS WHERE STORMWATER LEAVES THE SITE, TO PREVENT WASHING INTO GUTTERS.
- 2. INSTALL SEDIMENT BARRIER DOWN SLOPE OF DISTURBED AREA AND RETURN UP HILL
- 3. REGULARLY MAINTAIN THESE CONTROLS AT NO LESS THAN 70% CAPACITY.
- 4. CUT BRICK, TILE OR MASONRY ON PERVIOUS AREA, GRASS OR LOOSENED SOIL WITHIN THE BOUNDARIES.
- 5. REMOVE CONTROLS ONLY WHEN CONSTRUCTION IS COMPLETE.
- 6. DISPOSE OF SEDIMENT IN A SUITABLE LOCATION.
- 7. USE STABILIZED ENTRY CONTROL WHERE REQU: BY COUNCIL.

SEDIMENT CONTROL BARRIER

McTavish Design

- ✓ Erosion and sediment measures should be in place prior to the commencement of construction by the Contract Builder and will be maintained throughout the construction of the dwelling.
- ✓ As indicated on the site plan there will be a stockpile to contain rubbish and a trade waste bin. The building area will be surrounded with a geo-textile fabric to prevent any sediment being washed onto the street and into the stormwater system.
- ✓ An all weather drive access, generally per council requirements, of crushed 40mm recycled concrete or equal will be established to the vehicle access point of the site prior to construction and building site preparation.
- ✓ Generally assess and or clean vehicles prior to leaving the site.
- ✓ Generally limit disturbed areas, and minimise disturbed areas within close proximity to the proposed works, where practical.
- ✓ The Contractor shall provide adequate sediment control barriers during the time of all construction to be carried out on the site, to EPA and Council requirements. The generation of dust shall be kept to a minimum.
- ✓ Minimise excavation areas and protect the surrounding area. Stock pile top soil for reuse at completion of foundation works and prevents spreading of excavated soil over the site.

1.2 STORMWATER MANAGEMENT

This dedicated capacity is defined within the Basix Certificate

New stormwater will be piped to the proposed 3000L stormwater tank then over flow will be piped to the easement to the rear of the site

1.3 UTILITY SERVICES AND WASTE -WASTE WATER DISPOSAL

The site has existing and or proposed services in place including:

Utilities:

✓ Mains Power front of site
 ✓ Mains Town water front of site
 ✓ Communication front of site
 ✓ Natural gas front of site

✓ The Mains Sewer

Date: ____

1.4 RELATIONSHIP TO ADJOINING OR EXISTING DEVELOPMENTS

The overall design, height, bulk or scale will not impose any detrimental effect to the immediate and surrounding areas

1.5 BLD SITING AND ORIENTATION

Over shadowingn/a

See shadow diagrams provided

Privacy n/aViews n/aNoise n/a

WASTE MANAGEMENT FOR THIS SITE

CONSTRUCTION (GENERAL WASTE MANAGEMENT)

THIS WASTE MANAGEMENT PLAN:

Development Application

Applicant's signature:

- * Shows the waste that will be generated and how much waste.
- * Tells how waste will be avoided, reused on site, recycled and disposed off site.
- * Indicates how it keeps disposal of waste to minimum quantities.

*The Builder, C	ontractor/s, F	Person or	Persons	responsible	for r	managing	waste on site.
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1	PROJECT WASTE MANAGEMENT		

GENERAL

Notify neighbouring properties / occupants as required to prevent any adverse effects from work on site occurring to the adjacent properties in concern.

Order materials in accurate quantities to eliminate waste.

Stockpile: Siting to take account of environmental factors, eg slope, Drainage, location of watercourses and native vegetation.

Provide onsite receptacle for temporary storage of waste.

Provide sufficient space for storage of garden waste and other waste materials on site

Facilitate on-site source separation.

Facilitate re-use of materials on-site.

Provide sufficient space for storage of recyclables and garbage on-site.

For single residential and dual occupancy developments, and any other development where each unit is responsible for their own waste, a nominated area of the site, well drained and easily accessible to the collection point will suffice for the storage of garbage and recyclable materials.

Facilitate on-site source separation.

Facilitate re-use of materials on-site.

Area or room to be of sufficient size to store Council's standard bins in an efficient manner.

1.1 SEDIMENT CONTROL

The proposal has provisions for sediment control of:

*geotextile fabric filter sediment control barrier, generally down slope of works

*Minimise excavation areas and protect the surrounding area. Stock pile top soil for reuse at completion of foundation works and prevents spreading of excavated soil over the site.

1.2 WASTE-BUILDING WASTE

- *Progressive cleaning:
- *Provide onsite receptacle.
- *Keep the work under the contract clean and tidy as it proceeds and regularly remove from the site.
- *All waste should be relocated to the nearest waste management facility, unless otherwise indicated.

1.3 WASTE MATERIALS

Type of	Volume	Weight	Reuse and	Recycling	Disposal
Materials			On site	Off site	
Excavation material top soil	Nil-Equal		Stock pile Top soil for reuse		Nil
Excavation	Equal Cut and Fill C 310mm	Similar quantities of cut and Fill			Nil
Trees removed	No		Mulched on site	Recycled	Nil
Garden waste	Nil		Nil		·
Bricks	2.5m ³		-	-	-
AAC Panel	Nil		Nil	-	-
Roofing-Tile	Nil		-		Nil
Roofing-steel	3.5m ²			To waste facility	To waste facility
Concrete	0.5m ³			To waste facility	To waste facility
Timber combined	1.5m ³			Remainder to waste facility	To waste facility
Plasterboard	2.5m ²			To waste facility	To waste facility

^{*}all weather drive access, generally as to council requirements

^{*}generally assess and or clean vehicles prior to leaving the site

^{*}generally limit disturbed areas, and minimise disturbed areas within close proximity to the proposed works, where practical.

^{*}The Contractor shall provide adequate sediment control barriers during the time of all construction to be carried out on the site, to *EPA* and *Council requirements*. The generation of dust shall be kept to a minimum.

Metal-Copper- Aluminium					To waste facility
Steel	0.2m ²			To waste facility	To waste facility
Asbestos	n/a	Nil	Nil		-
Cement					Nil
Metal strap- paint tins	0.2m ³			Remainder to waste facility	

All other waste materials will be disposed of in a suitable manner and transported to the nearest waste management facility, *Licenced Landfill Facilities –EPA 13 1555*

Do not bury waste on site.

1.4 WASTE -WASTE WATER DISPOSAL

Proposed the site is sewered

2 RELATIONSHIP TO ADJOINING OR EXISTING DEVELOPMENTS

The overall design, height, bulk or scale will not impose any detrimental effect to the immediate and surrounding areas.

2.1 VEHICLE MANOEUVRABILITY

The subject site will provide adequate sediment control and manoeuvrability to street from the rear of the site.

2.2 REGULATORY REQUIREMENTS

All works within the proposed development site shall be carried out in a responsible manner to the following Regulatory requirements: A porta-loo *or similar* shall be provided for the duration of the works on site.

All personal working on the site shall comply with OH+S requirements.

Respirators complying with AS 1715 and AS 1716

Eye protection complying with AS1336 and AS 1337

Industrial safety gloves complying with AS 2210

Hearing protection with AS1270

Industrial safety belts complying with AS 2210

3 CONCLUSION

The proposal as submitted is consistent with the Development Controls of the current Penrith City Council LEP 2010 & the DCP 2014 relating to the site and zoning of Bradley Street Glenmore Park

McTavish Design

Gregory McTavish - McTavish Design

For G J Gardner Homes.

For and behalf of: Builder / Owner.