

## STATEMENT OF ENVIRONMENTAL EFFECTS

**SITE:** LOT 2038 KILLUNA WAY JORDAN SPRINGS  
**APPLICANT:** MCDONALD JONES HOMES  
**PROPOSAL:** SINGLE STOREY, 4 BEDROOM DWELLING

### INTRODUCTION

This Statement of Environmental Effects is provided to support the development application for the construction of a single storey residential dwelling at the above address. It is intended to elaborate where necessary on aspects covered in the drawings as well as to provide additional information where required.

### SITE SUITABILITY, SCALE & HEIGHT

The subject site is South facing and located on Killuna Way Jordan Springs. The site is currently vacant and comprises an area of 450m<sup>2</sup>

The dwelling has been designed with a modern architectural style to be compatible with existing development in the immediate vicinity and complies with Council's requirement regarding front and side boundary setbacks.

The overall height is approximately 5.977 meters and within the guidelines of the DCP.

The site requires cut of approximately 497mm and fill of approximately 569mm to provide a level building platform. Extent of the cut and fill is shown on the plans.

Please accept this justification regarding the cut and fill for the above address. As you will note on the Site Plan (sheet 3 of 10) the maximum proposed cut at the rear is approximately 0.569m this is over the 500mm limit as referenced in the 88B instrument and will not impact the site conditions.

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## ENVIRONMENT

The proposed dwelling is not expected to have a significant adverse environmental impact on:

Any significant vegetation community

Habitat of threatened species, populations or ecological communities

Rare species of flora

Watercourse

Or any significant natural features

The site does not contain any significant constraints that would affect the proposal such as slope, instability or threatened species and is not located with a direct proximity to any watercourse.

## COMMUNICATIONS & HOUSEHOLD SERVICES

The site is serviced with water, sewer, electricity and telecommunications and is located in a reasonable close proximity to a wide range of community services including health, schools and shopping facilities.

## SITE COVERAGE

At 47.5, site coverage is within Council's DCP requirements.

## ACCESS & TRAFFIC

The site has access from Killuna Way to a double garage and no significant increase in traffic will be generated from the development.

## PRIVACY, VIEWS & OVERSHADOWING

The proposed dwelling has a front setback of 3.5m, LHS setback of 1.715m and RHS setback of .915m which complies with Council's requirements.

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## **SITE PLAN**

As the development is single storey, overshadowing of neighbouring properties should be negligible at worst. If any overshadowing does occur it would be at a level similar with overshadowing from surrounding development and therefore not considered a significant issue.

We assume the property owner will provide landscaping and fencing which will assist with privacy.

## **AIR & NOISE**

The dwelling is intended for residential purposes and as such it is envisaged noise will be within normal domestic limits and there will be no adverse effect on air quality during or after construction.

## **SOIL & WATER**

It is proposed to divert the majority of the roof stormwater to a 3,000L above ground tank at the side of the dwelling. The collected water will be recycled for use in the laundry, toilets and external yard to comply with Basix and as indicated on the recycled water plans. Any overflow from the tank plus the residual roof stormwater will be conveyed an overflow pipe drained to the kerb and gutter at the front of the site. Sediment control barriers of geotextile fabric will be installed and maintained until completion of construction to ensure any sediment is contained within the property boundaries.

## **GEOTECHNICAL INVESTIGATE OF SITE**

Investigation by professional consulting engineers has led to an 'M' classification of the soil with footings designed and approved accordingly. The Geotechnical report has been included as part of the application and also provides information that the site is affected by salinity.

## **HERITAGE**

There are no known heritage issues for the site.

## **ENERGY**

Basix Certificate 498924S has been issued and a copy attached confirming the dwellings compliance with water target of 40% (41% actual) and energy target of 40% (49% actual).

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## WASTE

During construction waste will be separated on site and contained as indicated on the attached sit plan. Hard waste will be removed by appropriate subcontractors for recycling. Soft waste will be disposed of through appropriate waste management facilities.

After occupation it is proposed that domestic household waste will be stored in Council provided bins and collected as part of Council's weekly rubbish and fortnightly recycled material collection services. Pending collection, the bins will be stored on the site away from public view.

## CONCLUSION

We believe the development complies with Council's standards and policies and therefore should be approved.

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