



SERVICE REPORT The Sixteenth Estate 46 Lot Residential Subdivision Murray Downs Drive, Murray Downs

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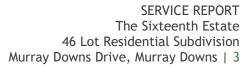
SERVICE REPORT The Sixteenth Estate 46 Lot Residential Subdivision Murray Downs Drive, Murray Downs

HEC No: 21071

Date: 18th Oct 2023

Version	Status	Author	Approved By	Release Date
1	FOR SUBMISSION	RH	RH	18.10.2023

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Introduction

Heil Engineering Consultants P/L have been engaged by The Sixteenth Pty Ltd, to prepare this service report to support the proposed 46 lot residential subdivision located along Murray Downs Drive, Murray Downs, NSW.

The developed land parcel has an area of approximately 4.46 hectares and is located approximately 5 kilometres west of the commercial centre of Swan Hill. The land falls under the jurisdiction of the Murray Shire Council, NSW.

This report provides a general overview of the proposed provision of servicing to the proposed development including sewerage reticulation, potable and raw water reticulation, electricity supply, telecommunications, and stormwater drainage.

Key documents referred to in this report are: -

- Drawings No 21071_IPP Refer to Attachment A
- Storm Water Management Plan Jan 2023, prepared by Heil Engineering Consultants hereon referred to as the 'Storm Water Management Plan'.



Sewerage Reticulation

There is an existing sewer rising main and gravity sewer network within Sandpiper Drive. The proposed development will include the construction of a gravity sewer network that will service all lots within the development and will discharge to the existing Sandpiper Drive gravity system. The existing sewer network has adequate depth to service the development.

All sewerage reticulation works will be undertaken to the satisfaction of Murray River Council.

Potable & Raw Water Reticulation

There is an existing 150mm diameter potable water reticulation main and 150mm raw water main located along Sandpiper Drive, fronting the proposed development site. A 100mm diameter potable and raw water reticulation network will tee off the existing mains from Sandpiper Drive to service the proposed development. Lot 14 will be serviced from the existing water main on the northern side of Murray Downs Drive. All proposed water mains will be sized to the satisfaction of Murray River Council.

Storm Water Management

The proposed storm water management for the site has been described in detail within the 'Storm Water Management Plan'. Please refer to this documentation for further details.

Electricity

Essential Energy is the owner of the existing underground assets along Sandpiper Drive, fronting the proposed development. Further discussion with Essential Energy will take place in relation to the construction of suitable supply extensions to service this development. Lot 14 will be serviced from the existing Essential Energy assets on the northern side of Murray Downs Drive.

Costs for the new assets will be in accordance with Essential Energy policy. Costs for low voltage assets, public street lighting and shared trenching with the telecommunication provider are developer funded.

Telecommunications

There are existing Telstra assets along Sandpiper Drive fronting the proposed development site. Therefore, the option for underground pit and pipe network is available for the development. Alternatively, the developer can nominate wireless NBN (via satellite) for each allotment. Lot 14 can be serviced from the existing Telstra assets on the northern side of Murray Downs Drive or via satellite.

The usual developer shared trenching conditions would apply within the proposed developments (i.e., developer to fund shared trenching).



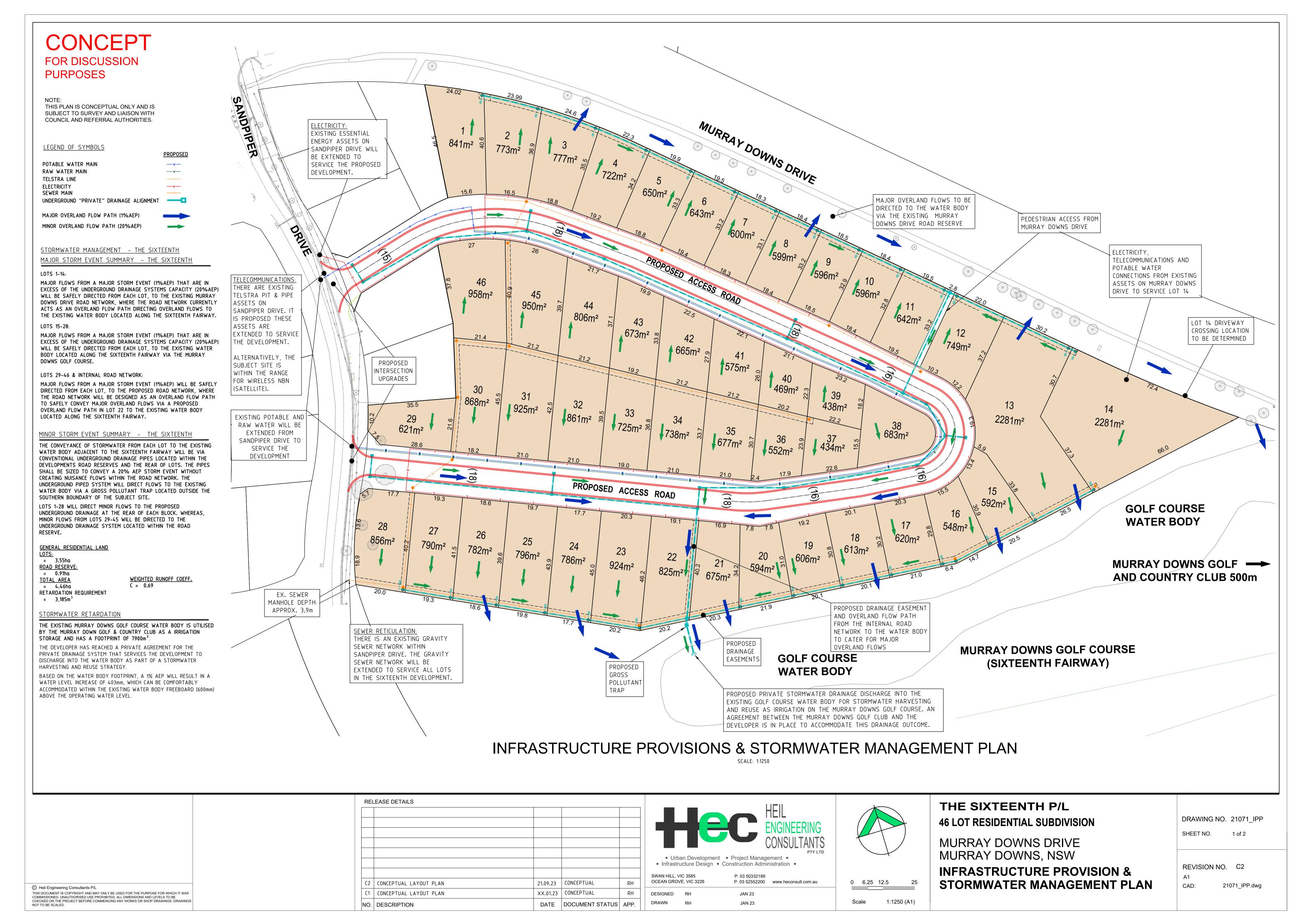


Gas Reticulation

There is existing Elgas infrastructure located along Sandpiper Drive, on the opposite side of the road to the proposed development site. It is expected that supply to the proposed development can be obtained from this gas line although this is subject to confirmation from the service authority. Elgas will be responsible for the provision of gas reticulation throughout the proposed development. Given the recent announcement of the federal government's plan to phase out the use of natural gas, the developer may wish not to service the development with reticulated gas.



Attachment A - Infrastructure Provisions Plan

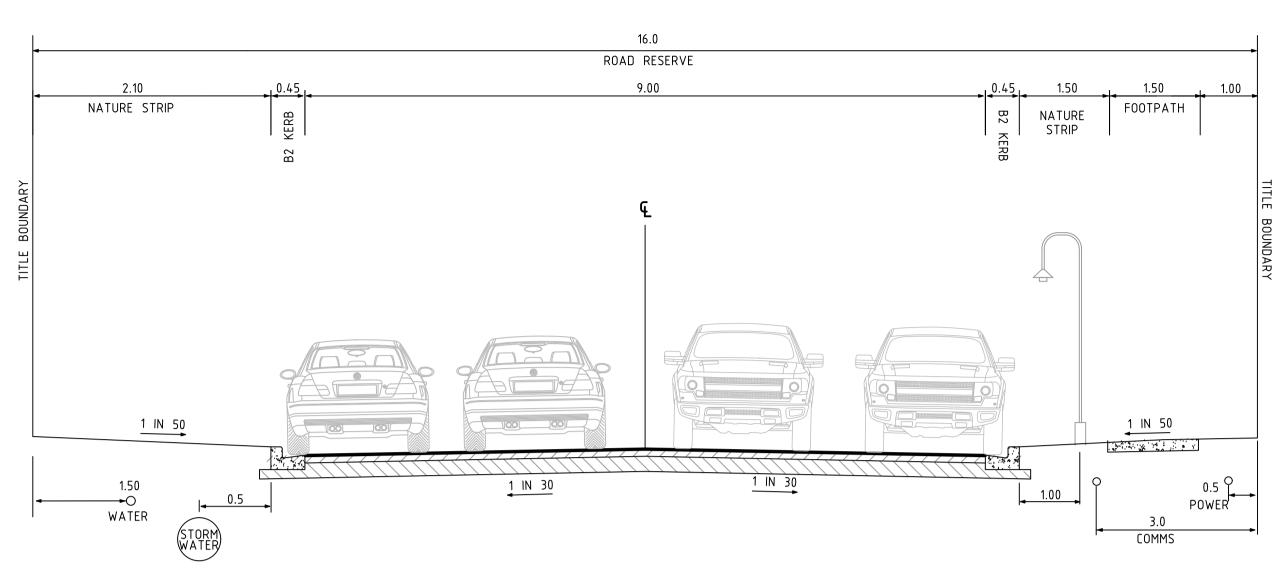


CONCEPT FOR DISCUSSION

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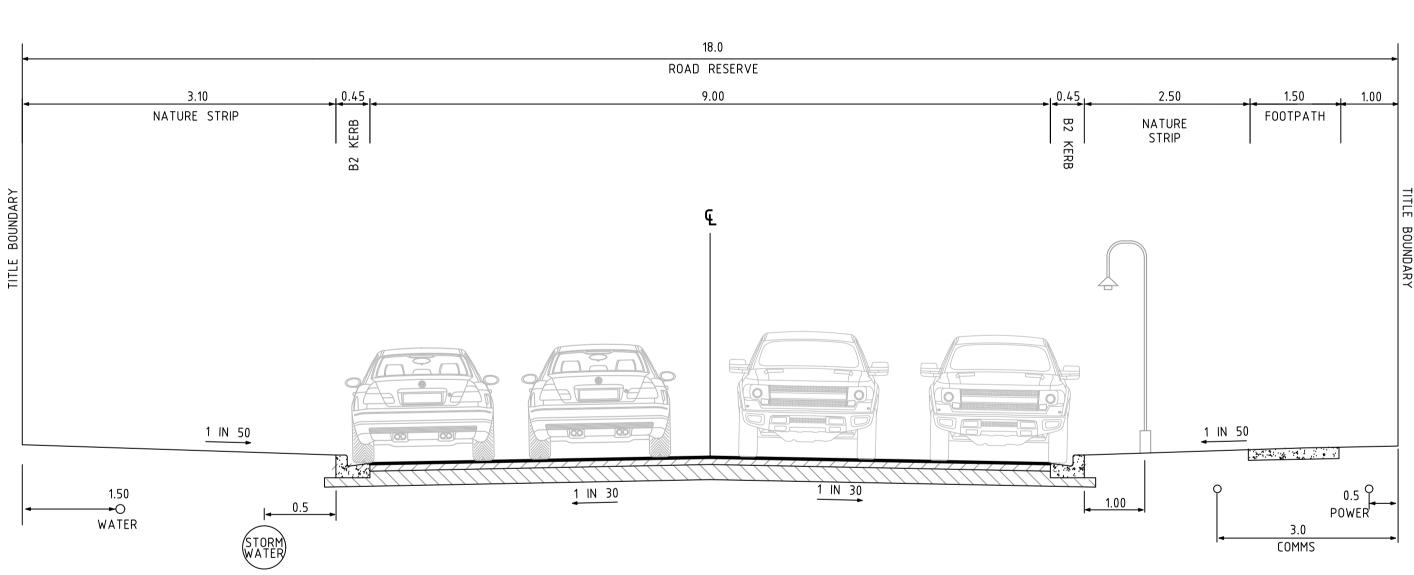
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NOT TO BE SCALED.

PURPOSES



TYPICAL CROSS SECTION (16m WIDE RESERVE)

SCALE: 1:50



TYPICAL CROSS SECTION (18m WIDE RESERVE)

REL	EASE DETAILS			
C2	CONCEPTUAL LAYOUT PLAN	21.09.23	CONCEPTUAL	RH
C1	CONCEPTUAL LAYOUT PLAN	14.09.23	CONCEPTUAL	RH
NO.	DESCRIPTION	DATE	DOCUMENT STATUS	APP.



JAN 23

DRAWN

THE SIXTEENTH P/L
46 LOT RESIDENTIAL SUBDIVISION
MURRAY DOWNS DRIVE
MURRAY DOWNS, NSW

0 6.25 12.5 25

Scale

1:1250 (A1)

INFRASTRUCTURE PROVISIONS PLAN

DRAWING NO. 21071_IPP
SHEET NO. 2 of 2

REVISION NO. C2
A1
CAD: 21071_IPP.dwg