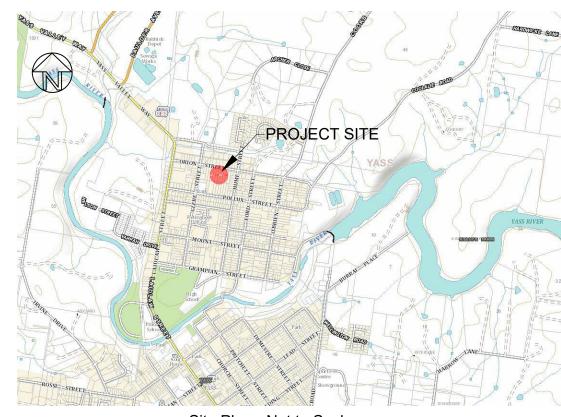
APPENDIX C

CIVIL ENGINEERING DESIGN

JOSH BARKER 29 ORION STREET TWO LOT SUBDIVISION

Genium Project No. 24029





Site Plan - Not to Scale

DRAWING LIST

24029-010 Cover Sheet, Drawing List, and Locality Plan

24029-020 General Notes, Standard Details and Longitudinal Sections

24029-050 Existing Site

24029-100 General Arrangement



Rev	Date	Description
Α	11/09/2024	Inital Issue

29 Orion Street
Two Lot Subdivision



ABN: 36 169 355 122
7 Adele Street Yass NSW
Ph: 0418 484 138
PO Box 15 Yass NSW 2582

Cover Sheet, Drawing List and
Locality Plan

Josh Barker

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	24029 -		Sheet 1	of	4	A

GENERAL NOTES

- G1. All works shall be undertaken in accordance with the drawings and specifications and completed in a sound, efficient, and workmanlike manner in accordance with sound engineering practice.
- G2. Where details are not shown in the drawings, works are to be completed to meet the requirements of relevant Australian Standards. AusSpec. Austroads. WSA Codes. and Council Policies and conditions.
- G3.Locations of existing services shown on the drawings are approximate only. The Contractor is to check the location of existing services prior to commencing works including potholing to verify both location and depth. The Contractor is solely responsible for any damage caused to utility services as a result of the construction works.
- G4. The Contractor shall at all times comply with the requirements of the Work Health and Safety Act 2011 and relevant Workcover codes of practice and at all times exercise appropriate care and control of the works to ensure the safety of workers and others in the vicinity of the site.
- G5. All works are to be set out by a competent surveyor and recovery pegs provided to ensure the setout location and levels of the works are available throughout the project.
- G6. The Contractor shall not disturb any survey control marks. Should any survey control marks be inadvertantly disturbed or removed the Contractor shall advise the Superintendent immediately. The Contractor shall replace any damaged or removed survey marks at their expense.
- G7. Prior to commencing any excavation in sealed or concrete roadways or paths, the extent of the excavation is to be saw-cut to create a neat edge. The depth of the saw-cut shall be deep enough to prevent the surface of the road or pathway breaking away during excavation.

REVEGETATION

- R1. Unless otherwise specified, all disturbed areas and roadside embankments are to be prepared with 100mm of topsoil and stabilised using Hydromulch in accordance with the NSW RMS Guideline for Batter Surface Stabilisation using vegetation.
- R2. Where road pavements are 'daylighted' to the table drains, topsoil is to be placed on the road side slope of the table drain. The topsoil is to extend vertically 200mm up the side slope, measured from the invert of the table drain.

EROSION & SEDIMENT CONTROL

- ES1. The Contractor is to prepare a detailed Erosion and Sediment Control plan (ESCP) to the satisfaction of the Superintendent/Council prior to commencing works.
- ES2. The Contractor is to implement, maintain and progressively modify erosion and sediment control measures in accordance with the NSW Department of Housing managing Urban Stormwater, Soils and Construction ("Blue Book") and any Council requirements. Control measures will be implemented to suit the Contractors staging and work methods and are to be maintained for the duration of the works or until disturbed areas are revegetated.
- ES3. The Contractor is to provide and maintain adequate dust control measures for the duration of the works including outside normal working hours where required.
- ES4. The Contractor shall be responsible for implementation, operation, and maintenance of all required erosion and sediment control measures. All control features are to be regularly inspected to ensure they are working satisfactorily.
- ES5. Appropriate protection shall be provided to all trees and other vegetation which are not required to be removed as part of the works. Protection is to be provided prior to commencing works to the satisfaction of the Superintendent/Council.

WATER DISTRIBUTION REQUIREMENTS

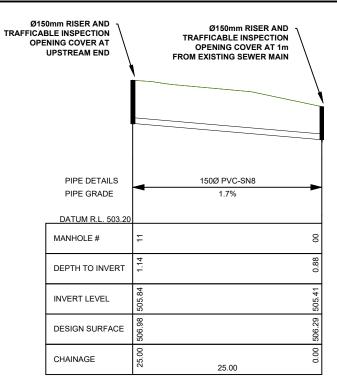
- W1. All reticulation mains shall be 100mm MPVC, PN16, S2 RRJ except at road crossings. Road crossings shall be with DICL pipe class PN 35.
- W2. A tracing wire shall be placed over all PVC pipes. Marker tape shall be installed over all water mains
- W3. All water mains shall have a 600mm minimum cover unless noted otherwise
- W4. All valves shall be anti-clockwise close and shall conform to Council standards.
- W5. All water mains shall be tested in accordance with Council requirements
- W6. All property services shall be with copper pipes as per plumbing standards. All water services shall be 25 mm diameter.
- W7. Road crossing water services shall be placed in a 100mm uPVC conduit which extends 300mm past the kerb.
- W8. All meter cocks of each property service shall be installed at 200 mm 300 mm below finished ground level and shall be covered with meter boxes. Meter boxes will be supplied by the Council.
- W9. Tapping saddle, main cock and meter cock shall meet Council requirements.
- W10. All main cocks shall be fitted with a 90mm riser to 150mm below FSL, capped off and topsoiled over.
- W11. Connections to existing water mains shall be carried out by Council at the Developer's cost.

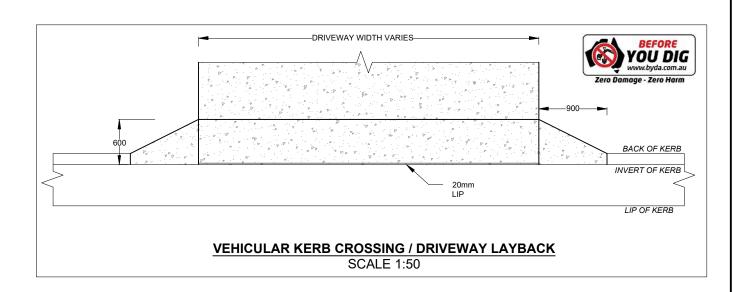
SEWER RETICULATION REQUIREMENTS

A 11/09/2024 Inital Issue

13/09/2024 Update Long Sections

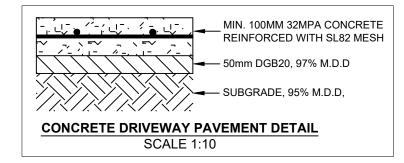
- S1. All sewer reticulation mains shall be with PVC, RRJ, Class SN8 with a minimum diameter of 150 mm.
- S2. Trench stops shall be installed for mains designed for grades 5% and above as per the Sewerage Code of Australia.
- S3. Sewer mains shall be air pressure tested as per approved methods and sewer manholes shall be vacuum tested as per approved methods.
- S4. Sewer connections to existing sewer manholes or existing main shall be carried out by a licensed plumber in accordance with Council requirements.
- S5. All sewer ties are to be 150mm diameter SN8 solid wall PVC with solvent welded joints and fitted with a boundary riser and capped. All sewer ties are to be laid at a grade 1.7%.
- S6. Marker peg system or marker tape system shall be installed to each sewer tie as per the Sewerage Code of Australia.
- S7. All tie connections directly to mains are to be made with 45° junctions.

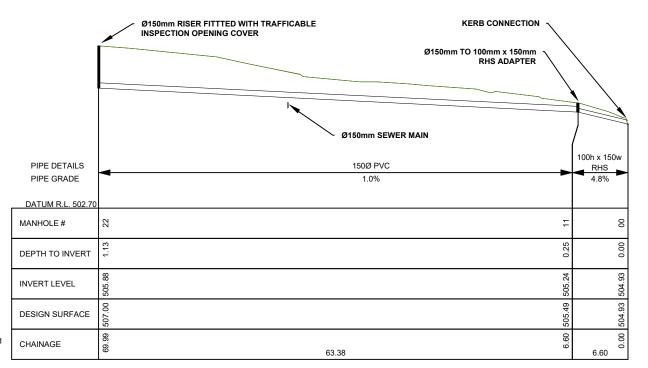




LONGITUDINAL SECTION FOR SEWER (SEE SHEET 24029-100)

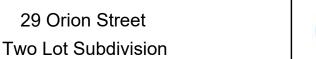
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LONGITUDINAL SECTION FOR STORMWATER (SEE SHEET 24029-100)

SCALE 1:500H 1:100V





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Josh Barker					
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	FLOW
\RY	CUSTOMER DRAIN PROPERTY CONNECTION BY OTHERS
BOUNDARY	<u></u>
100	RISER PIPE
>	
ERT	
PROPERTY	
	1000 NOM.
	NAN NAN
	PLAN STANDARD CONNECTION (>1500mm DEEP)
	SEWER MAIN IN PRIVATE PROPERTY
	PROPERTY CONNECTION BY OTHERS
_	∠—IO COVER
BOUNDARY	FSL
NUOS	
	45' JUNCTION O O O O O O O O O O O O O O O O O O
3TY	EXPECTED CUSTOMER DRAIN GRADE
PROPERTY	GRADE 1.7% MIN 20% MAX
P.	
	1000 NOV
	1000 NOM.
	ELEVATION
	STANDARD CONNECTION (>1500mm DEEP)
	SEWER MAIN IN PRIVATE PROPERTY

