

PUBLIC INFORMATION FORUM PROPOSED SEWERAGE INFRASTRUCTURE FOR LAKE WYANGAN, NERICON AND THARBOGANG

Presented by Graham Gordon
Director, Utilities
Wednesday 14 December 2016

Lake Wyangan, Nericon & Tharbogang

Sewer funding

- Restart NSW – Regional Water and Waste Water Backlog
- In March 2015 NSW Government announced \$110 million in Restart NSW funding for regional infrastructure projects to go towards clearing a backlog of projects in country towns affected by ongoing water quality and sewerage problems.
- This Restart funding initiative was part of the \$1.25 billion NSW Government Water Security for Regions program that commenced in 1996.

Lake Wyangan, Nericon & Tharbogang Sewer funding

- **Project Cost Summary**

- Lake Wyangan \$1.771 million
- Nericon \$1.746 million
- Tharbogang \$1.384 million

- Total capital cost \$4.901 million (rounded up to \$5 million)

- Funding is 42% of total cost therefore \$2.1 million dollars was granted.

Lake Wyangan, Nericon & Tharbogang Sewerage Infrastructure

- Lake Wyangan: 56 Properties
 - Nericon: 43 Properties
 - Tharbogang: 42 Properties
 - Total: 141 Properties
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- In 2009 Council constructed Sewage Pumping Station LW1 and its associated rising main to transfer sewage from Lake Wyangan and Nericon to the Griffith Water Reclamation Plant.

Lake Wyangan, Nericon & Tharbogang

Sewerage Infrastructure

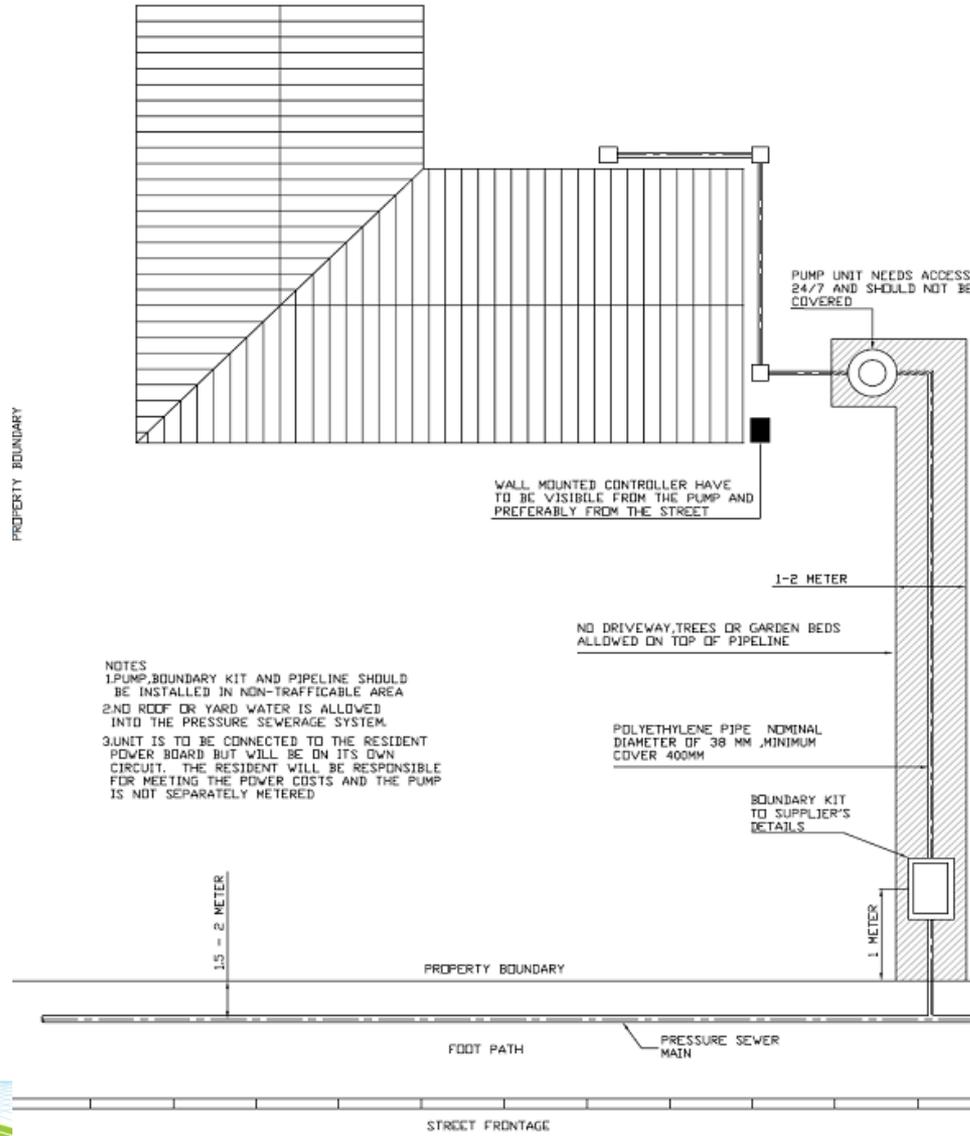
- Sewerage reticulation is low pressure grinder pumps.
- A low pressure sewerage system uses small-diameter pipes and grinder pumps, which are installed at each home.
- The grinder pump station (tank) collects all of the wastewater from the home and grinds it into slurry.
- The wastewater is then pumped to a common sewerage main in the road reserve.

Lake Wyangan, Nericon & Tharbogang

Sewerage Infrastructure

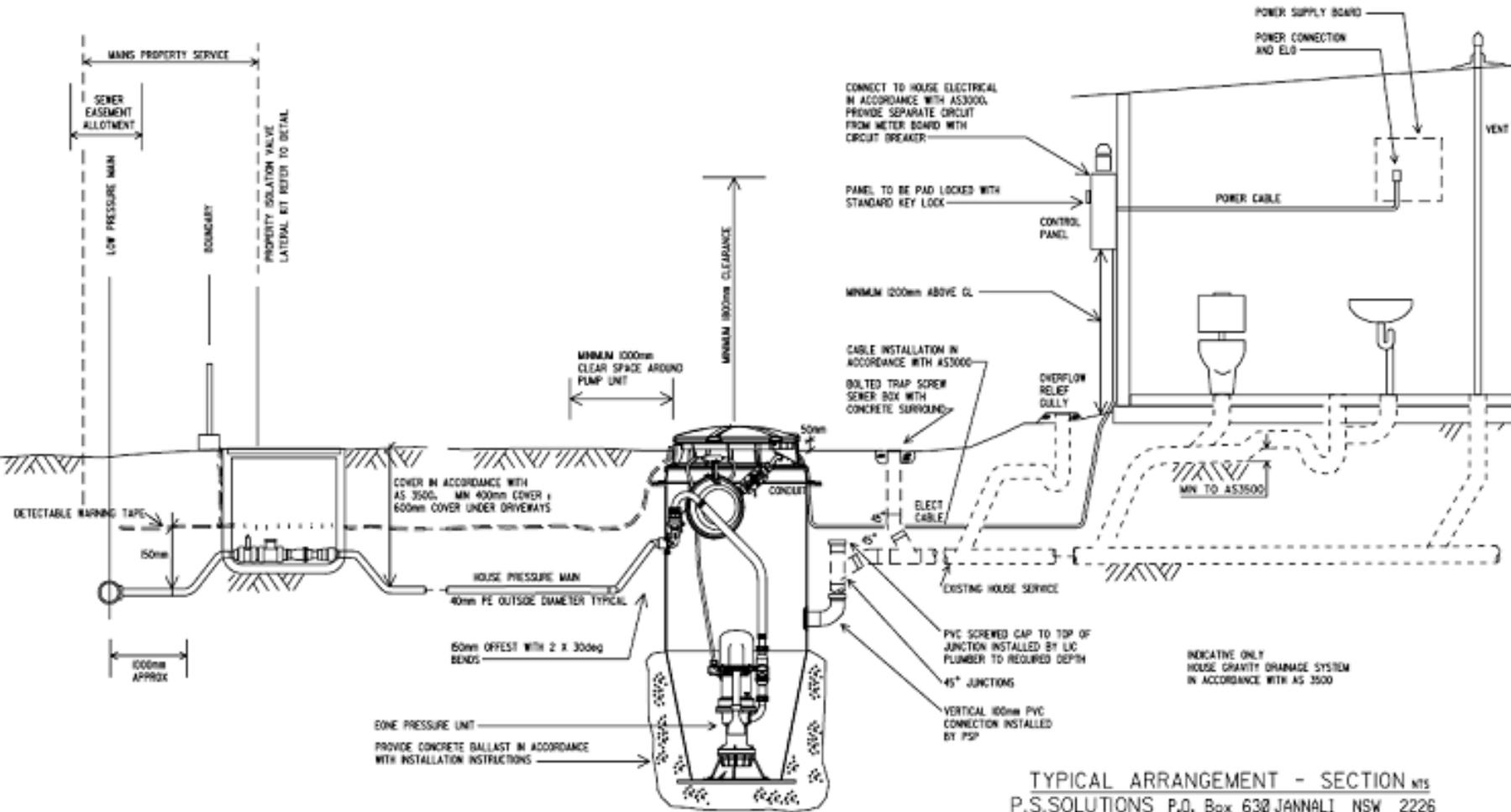


TYPICAL PRESSURE PUMP SITE DIAGRAM



Lake Wyangan, Nericon & Tharbogang

Sewerage Infrastructure



TYPICAL ARRANGEMENT - SECTION M15

P.S.SOLUTIONS P.O. Box 630 JANNALI NSW 2226

Ph: +61 2 9589 3779 Email: pssol@pssolutions.net.au

Lake Wyangan, Nericon & Tharbogang Sewerage Infrastructure



Lake Wyangan, Nericon & Tharbogang

Cost to Property Owners

- Installation and connection of new low pressure sewer system **\$0**
- Decommissioning of existing septic tank **\$0**
- Council Sewer charges 16/17 **\$792 per year**
- Pensioner rebate **-\$87.50 per year**
- Electricity running cost for pump and alarm approx. **\$50 per year**

Lake Wyangan, Nericon & Tharbogang Project Time Frames

- **January 2017 – October 2017**
Survey, Design & Tender process for Lake Wyangan and Nericon
- **November 2017 - June 2018**
Construction of Lake Wyangan and Nericon
- **July 2017 – November 2017**
Survey, Design & Tender process for Tharbogang
- **June 2018 - February 2019**
Construction of Tharbogang

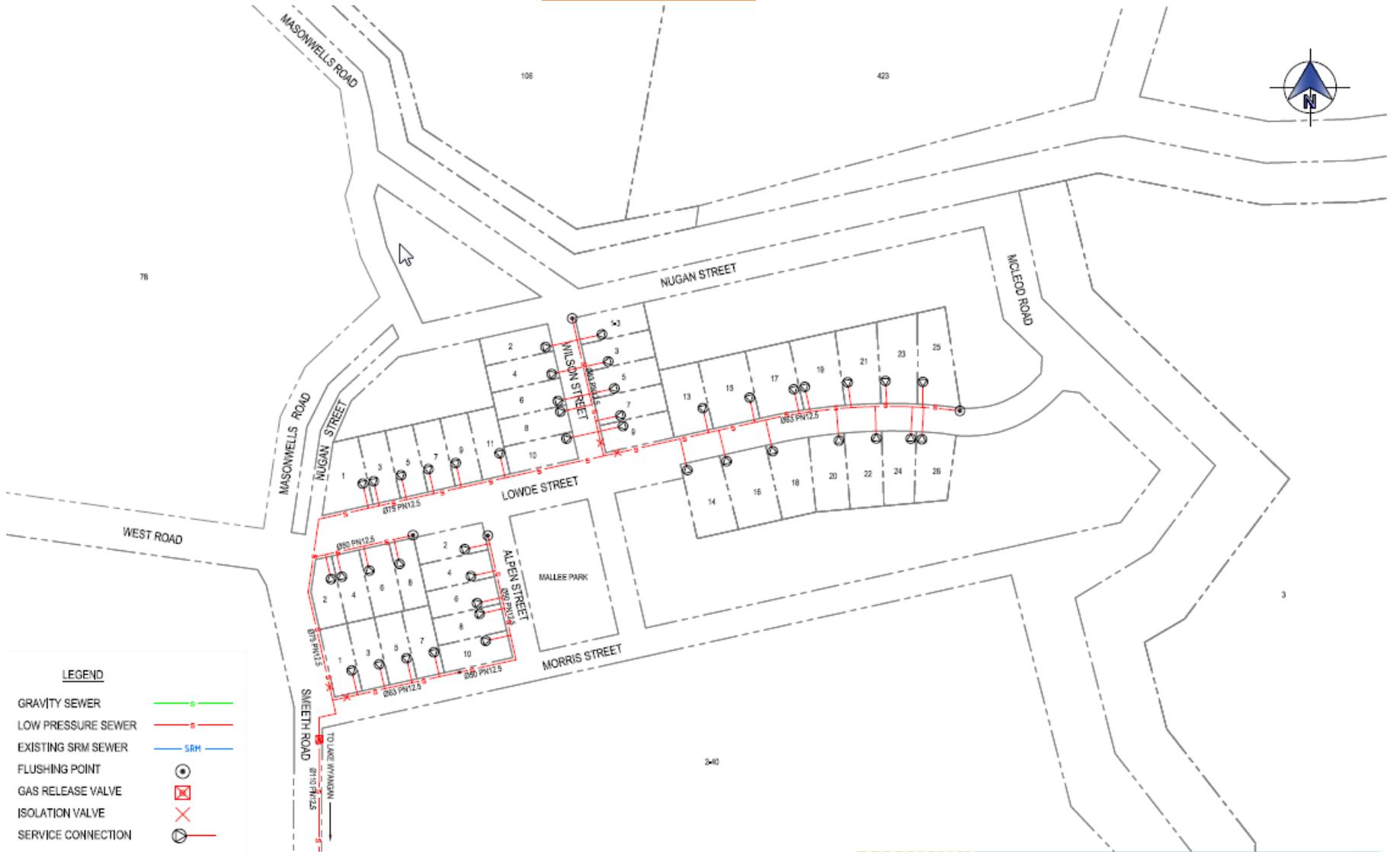
Lake Wyangan



LEGEND

- GRAVITY SEWER —
- LOW PRESSURE SEWER —
- EXISTING SRM SEWER — SRM —
- FLUSHING POINT ●
- GAS RELEASE VALVE X
- ISOLATION VALVE X
- SERVICE CONNECTION ●

Nericon



LEGEND

- GRAVITY SEWER —
- LOW PRESSURE SEWER —
- EXISTING SRM SEWER —
- FLUSHING POINT
- GAS RELEASE VALVE
- ISOLATION VALVE
- SERVICE CONNECTION

