

# Norman Ave Roading and Services



**VALUE:** \$3,200,000.00 **LOCATION:** Masterton **COMPLETION DATE:** May 2008

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## Scope of Works

The scope of this project was a new Industrial Subdivision on a 40 acre site in Masterton. To date there is two stages to this works.

Project	Value	Project Details
<b>Pipe Laying</b>	\$760,000.00	Install 1.5 Kilometres of Sewer Rising Main 200mm OPVC and Pump Station, Electrical and Mechanical, Install 2.5 Km of 200mm Watermain, Install 800meters of 160mm Sewer, and 1.5 km of Associated Services and stormwater lines.
<b>Pavement &amp; Surfacing</b>	\$890,000.00	Install 10000 square metres of Carriageway with Kerb and Channel and footpaths.
<b>Structures &amp; Manholes</b>	\$100,000.00	Install 7 2 metre diameter manholes and soak pit chambers for SW and 12 Manholes for sewer. Install a sewer pump station chamber, all of the mechanical and electrical for the pump station.
<b>Health &amp; Safety</b>	\$30,000.00	Provide constant access for the local residents while adhering to all H&S Regulations. There where a total of 5 internal audits on our site all came back with no incidents apart from a sub contractor who was removed from the site due to a lack of PPE. This was corrected the same day.
<b>Traffic Management</b>	\$10,000.00	As Stage one was in virgin paddock there was only minor traffic management for the new construction; however there was works on State Highway 2. We gained the Service Agreement, Road opening notice, submitted and maintained the TMP for Transit New Zealand, CDC and MDC.
<b>Environmental Management</b>	\$30,000.00	During the entire time of construction we managed the environment effects with our risk management plan and no issues where raised.
<b>Tender Price:</b>	\$2,300,000.00	
<b>Final Contract Price</b>	\$3,200,000.00	Additional volumes of earth needed to be shifted. The council changed the requirements of the rising main and watermain from 100mm to 200mm. In addition to that it was discovered at the end of the project the proposed connection point for the water was an additional 900 meters away through Transit Highway.
<b>Sub-Contractors</b>	\$53,000.00	We subcontracted out the tar sealing of the roadway to Oldfield Asphalts, The kerb and channel work to Deno Kerbing. We also sub contracted out the street light installation.
<b>Contractors Performance</b>	All of the works were completed to specification, and on time. Our Beam test results ranged from .1mm deflection to .3mm deflection and where the best result in the area for twenty years we where told.	

We added to our responsibilities by assisting the developer in obtaining service agreements for the watermain with Transit.  
 The Developer, who is one of the largest in the region was so impressed with the project he has given us several other projects to work on.

<b>Commencement dates</b>	<b>Completion Date</b>	<b>Original Due Date</b>	<b>Extended Due Date</b>	<b>Explanation of Differing Dates</b>
November 2007	May 2008	March 2008	One month	<p>The work volumes tripled due to an error in the QS estimates at the tie of tender, This added two weeks to the project.</p> <p>The discovery of the connection point being 900 meters away from the proposed tender location caused extensive delays to the project as we had to get permission and service agreements signed by Transit New Zealand prior to the installation of the service in the roadway.</p>