



PIC IRRIGATION SCHEME
Subcontractor Works
Head Contractor | Monadelphous (MWI)

DORMER
CONSTRUCTION LTD
EXPRESSION OF INTEREST



CLIENT: Monadelphous (MWI)

PROJECT: PIC Irrigation Scheme

RESPONSE FROM: Dormer Construction Ltd



334 Flaxton Road, Rangiora 7400
PO Box 22674, Christchurch 8140

Phone (03) 313 8967
Fax (03) 313 8968
Mobile 0274 381 221
Web www.dormer.co.nz

CONFIRMATIONS

We confirm our availability to start work in the New Year or earlier.
We confirm our availability to attend the subcontractors open day (currently proposed for 11th September 2015)
We confirm that we are interested in tendering for the following Scope of Works

- Pipe Installation
- Bulk Earthworks
- Reticulation and Pipe Fitting

DORMER CONSTRUCTION

- Maintains Certification to NZTA Quality Standards TQS1
- Holds ACC Workplace Safety Management Practices
- Are Site Safe Members
- Are signatories to the Canterbury Rebuild Safety Charter
- Are Members of Civil Contractors New Zealand
- Holds NZ Transport Agency Pre-Qualification Certificate Physical Works for IC and 4C classification
- Use web based Mango platform to ensure compliance with TQS1 and ISO9001 framework.



KEY PERSONNEL

Name/Role	Experience and Technical Skills
<p>Peter Dormer – Project Director <i>24 years' experience</i> NZCE (Civil) Registered/National Certificate Drain Layer National Certificate Pipe Laying Works Site Safe Civil Working in Confined Space Certificate First Aid Certificate Class 2 Load Pilot (TNZ) Explosive Blasting Ticket</p>	<p>Resource management, business development, risk management and mitigation, stakeholder management, client relationship management. Drainage/pipeline construction, deep excavation and trenches, civil construction, sheetpiling and underground works, demolition, dewatering and pumping. Plant purchasing and maintenance, road construction, bridge construction. Civil emergency response. NZS3910 and NEC3 Contracting. Scala Penetrometer, GAP Compaction testing, road measure/data collection Pete specialises in the art of well point dewatering and is a recognised leader in the construction of deep wet pipelines through low strength soils with significant ground water..</p> 
<p>Pat Towse Contract Manager <i>20 years' experience</i> NZQA Level 3 Health and Safety Course Institute of TPM (Total Production Management) Continuous Improvement Pillars Course NZQA Certificate Construction Foreman NZQA Certificate Construction Worker NZQA Certificate Plant Operator Diploma in Agriculture</p>	<p>Contract/site management, leadership and resource management, relationship and stakeholder management, planning, programme site logistic, methodologies, health and safety, environment, quality overview and auditing, earthworks, drainage plant, machinery and vehicle operations. Pipe manufacturing , pavement construction , drainage/pipeline construction deep excavation and trenches, earthworks, dewatering and pumping, demolition , kerb and channel, road construction , scala penetrometer and GAP compaction testing.</p> 
<p>Warren Johnston Project/Site Manager <i>18 years' experience</i> Registered Pipe layer National Certificate Infrastructure (Pipe laying) National Certificate in Civil Construction Supervision (Level 4) First Aid Site Safe Civil Heavy Truck, Heavy Trailer, Light & Heavy Self-Laying Tracks, Light & Heavy Wheels and Rollers, TNZ Class 2 Pilot Load TNZ STMS Site Traffic Management Supervisor Confined Space Certificate Nuclear Density Meter Course</p>	<p>Site management, supervision, stakeholder relationships, operator, logistics, programming and planning, traffic management overview, on site health and safety compliance, environmental compliance, quality management and inspection Excavation and earthworks management and installation, pipe laying and drainage (sewer and stormwater, water main, pressure main and concrete pipelines) management and installation, raking, trenching, dewatering, sheetpiling, scala penetrometer testing, GAP compaction testing (Nuclear densometer, Clegg hammer) road measure and data collection, material testing</p> 

EXPERIENCE

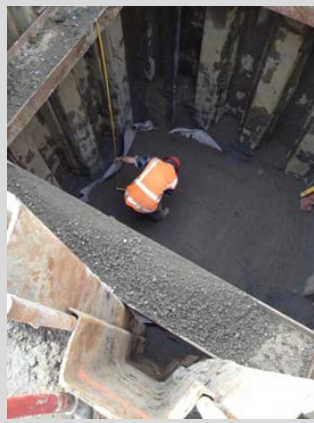
Dormer Construction is a specialist drainage contractor that has operated for 20 years. Our reputation has grown from a demonstrated commitment to quality and safety in delivering complex and highly demanding civil projects and large subdivision developments. We take pride in the fact that every job signed off, has a standard of workmanship that is beyond reproach.

Dormer Construction lays approximately 30 kilometres of infrastructure, sewer and stormwater pipework per year, laying pipes from 100mm to 2100mm.

Dormer Construction's capability has been recognised through numerous industry awards. We believe the receipt of these awards demonstrates our commitment to our client's objectives, and carrying out construction projects to the highest standards of quality within safe and secure working environments.

Recent project experience includes;

"During the course of the works a number of unforeseen construction issues were encountered, requiring a high level of collaboration between Principal, Consultant and Contractor. Despite these problems being beyond the control for the contractor, Dormer staff remained committed to achieving Council stated objectives. Dormer were able to implement practical and affordable solutions to problems encountered during construction."



EAST RANGIORA STORMWATER

Northbrook Road, Rangiora, Canterbury | Waimakariri District Council
\$1.9 million Sept 2010

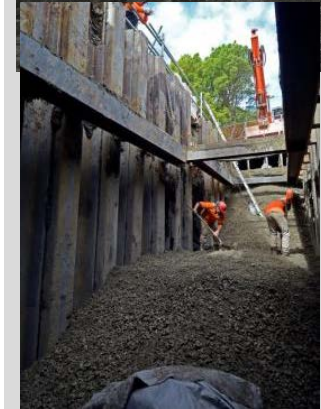
A two-stage project for the construction and commissioning of a storm water attenuation and treatment system. The project involved the formation of a 340m long by 40m wide retention pond that was lined with a geo synthetic liner (GCL). This was constructed within an area where the water table was at or near ground level, positive water pressure existing. Works included bulk earthworks and shaping, tapping into existing natural springs, box culvert road crossings, construction of a new creek for fresh water crayfish, planting for future reserve. Stage 1 was the detention of the basin to separate the storm water flow from the natural ground water. This was in order to provide both retention and treatment of the storm water flows to project the spring feed receiving water bodies. Stage 2 was a broad open grassed water course to direct storm water from the end of the council pipes systems to the stage 1 detention basin.

SCIRT WORKS (Drainage)

Christchurch City | Fletcher Construction
\$6.0 million Ongoing

Dormer has completed a large number of projects awarded under the SCIRT alliance and continues to add projects to this portfolio of work. Typical scope of works includes all setting out of main pipeline (stormwater and sewer), temporary trenching, dewatering, cutting, excavation, penetrometer testing, lateral connections, junctions, trench and service support, haunching, associated manholes, backfilling, NDM compaction testing and restoration. In some cases Dormer were responsible for the construction, installation and commissioning and testing of pump/lift stations.

Overall approximately 4,000m of waste water piping ranging from 150mm to 375mm diameter and approximately 1000m of stormwater ranging from 285mm to 1800mm (depth range 1.5m to 4m), over 200 manholes and 10 lift stations has been installed by Dormer across Christchurch city.



DEEP SEWER AND WATERMAIN REPAIRS

Kaiapoi | Waimakariri District Council

\$2.6 million Jan 2014

Waimakariri communities were significantly affected by the earthquake and aftershocks that struck Canterbury in September 2010. This contract involved the reinstatement of infrastructure throughout the Kaiapoi District, replacing damaged sewers, sewer laterals, water reticulation and land restoration. Work was scheduled to meet separable portions /

ANZ TRIANGLE CENTRE

Corner Cashel and Colombo | Glasson Holding/Leigh Construction

\$5 million July 2015

Subcontractor work package for the bulk earthworks, sheet piling and dewatering for multi-million dollar commercial and retail centre development.

Dormer's works included :

- 16,000 m³ bulk dig, including removal and transport of 7,000 m³ of asbestos contaminated material (ACM) to designated waste site
- Dewatering wells internal to footprint, with dewatering in place long term to prevent building uplift (Dormer to manage the removal of casings and pumps through the building construction)
- 255 linear metres of 9m sheet piling. Dormer engaged a novel ground anchor based, sheet pile / waler retention system which eliminated the need for central propping.
- Final trim and level of site ready for site concrete

GROYNES PARK SUBDIVISION

Johns Road | Groynes Development 2012

\$6 million June 2014

Forming part of overall 93ha, 2000 residential lot, this work comprises a new 400 lot subdivision. Dormer's work package involved the installation of major drainage services reticulation (sewer and stormwater gravity pipework), construction of new pump stations, finishing stormwater basins and wetlands, including storm water structure and pipework, testing and commissioning. Work was undertaken concurrently with separate contractors for bulk earthworks and roading – it was imperative that all contractors worked co-operatively to allow access to progress overall works. Site specific access, safety and liaison plans were developed, and regular site co-ordination meeting held to achieve the desired collaboration.

Past experience includes;

"Dormer undertook some of the most difficult sections of work on the project. They installed sewage line in saturated sands, marine mud and clay up to 4m deep. The executed the work in a safe, efficient and professional manner."

WAIHI BEACH SEWER RETICULATION

At the time the Waihi Beach sewer reticulation, (total project value \$12 million of which Dormer's work package was \$3m), involving over 8km of sewer pipeline, 150 manholes, 2 pumps stations and 2km of well-point dewatering, was one of the largest to have been construction within 10 years. Dormer employed open trenching excavation. Hand digging and tunnel was only used where open trench excavation was not possible. Dormer encountered predominately sand with two catchments located within 200m of the beach consisting of old sand dunes and wind-blown sand. One catchment was located in swampy difficult ground that consisted of peaty clay with thick layers of fully saturated pug and peat and a thick band of white plastic lay. Another catchment consisted only of clay.

The pump stations involved dewatering of depths of 5m and excavations of depths of 5m to install emergency storage chambers and wet wells. The bottom of the wet wells was at least 4m below the high tide mark within the sand dunes.

The presence of groundwater (approximately 1.5m below ground level), in sand require the use of certified trench shields and the use of well point dewatering equipment. Approximately 2km of trench excavation required well point dewatering to ensure safe work conditions.

PLANT

The investment in a vehicle fleet, heavy machinery and plant equipment allows Dormer Construction to resource project requirements. The following plant, is owned by Dormer Construction and is new or near-new in quality/condition.

Type and Size	Quantity
Excavator <5T	3
Excavator 5T-20T	8
Excavator 20T -30T	6
Excavator 30T -40T	2
Excavator 40T+	2
Front Loader	4
Truck over 10T	5
Truck under 10T	2
Water Cart	3
6" Pump	10
4" Pump	10
Generator	4
Tool Container (fully equipped)	5
Site Shed / Lunch Shed	5
Broom Tractor	1
Ute	13
Well point dewatering	400 lm
Certified Trench Shields	8
Excavator Mounted Vibro Hammer	5
Sheet piling	500 lm
Plant Transporter	1
Nuclear Densometer	2
Pipe Laser	5
Clegg Hammer	2
Crane 25T Rough Terrain	1
Bulldozer 20T -25T	3
Scraper Bowls	3

SUMMARY

With a strong focus on our clients' needs we are committed to providing the quality products and services demanded in technical civil project delivery. We have developed systems, programmes and practices to reduce risk to the organisation and conduct business activities in an effective manner. We are committed to continuous improvement of our services through training, innovation, feedback, and lesson learnt.

Managing key project issues is fundamental to the services and project management that Dormer Construction provides to its clients. Knowledge, technical skills and experience form the basis of mitigation strategies and the subsequent lessons learned that can be applied to new projects. Dormer Construction is extremely confident that it has both the equipment and the skills to successfully undertake the scope of works on the PIC Irrigation Scheme.

We invite you to visit our website (www.dormer.co.nz) for more information on our capability, projects and people.