

THE HARD YARDS HERALD

MAY 2015

WORLD FIRST ON PROJECT 56



When engineers designed Fluid Viscous Dampers as part of the re-strengthening at P56, it was assumed that suppliers and contractors outside NZ would need to be engaged. Fluid Viscous Dampers act like shock absorbers and dramatically decrease earthquake induced motion. They have been used in new buildings across Europe and North America. Never in New Zealand.

In a world first, LTM have overseen NZ design, manufacture and testing. The testing, done to European standards, is very intensive. Part of the testing involves cooling the dampers down to minus 20 degrees while forces similar to a large earthquake are applied. After testing, a team of LTM carpenters then retrofit the FVD's into the existing structure of the former Unisys Tower. Retrofitting a 5m long damper weighing over 900 kilos into an existing structure has been a challenging experience for Chris Guile and his team. Despite tolerances as tight as 0.003 mm the process has gone smoothly so far.

With larger, heavier dampers on the way there will be likely be new challenges that pop up, but Guile and his team are up to the task.



RUTHERFORD HOUSE IN FULL SWING

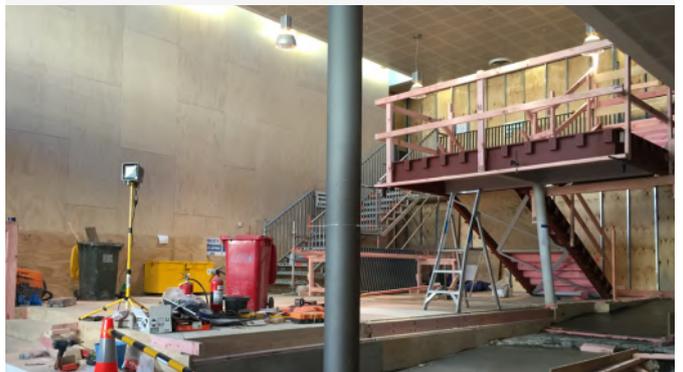


The Pipitea department of LT McGuinness is now well underway into the Rutherford House Project.

Our projects main section, the Annex Extension, have passed a big milestone of completing 32 piles. In our skinny lanky site, two extremely tricky piles required piles to be drilled externally from the site on Lambton Quay and Featherston St - these two piles required additional LTM hard yards reinforcement and were completed smoothly over a couple of weekends.

Gerry and his structural crew are now working hard in the ground, constructing the huge ground beams and the rest of the substructure. The windows furnishing boys, led by Ben, are working hard on the development of the student entry area and are now commencing their way around the old Rutherford House Building. As many of LTM jobs, the building and environment has remained live, and in this case is scattered with students and professors which creates its own challenges.

We do not have John Key, Fr Barry or half of LTM on our site, but the boys at Rutherford are putting in some hard yards.



HEALTH AND SAFETY

RISK, AM I PREPARED TO GAMBLE AND DO I KNOW THE CONSEQUENCE?

Lots of interesting and technically challenging work has been happening around the sites since the last Hard Yards, our Health and Safety Audit System is now in full action with a little healthy competition between sites to achieve the best score.

The subject I wish to talk about in this issue of the Hard Yards is "Risk", risks are taken by people every minute of the day, from the moment that you wake in the morning until the time that you go to sleep of an evening, Risk is a part of everyday life. You may be wondering why I have decided to talk about Risk, the answer is simply that as construction workers, we expose ourselves to more risks than any other business sectors, the risks that present themselves on our sites are so varied and they are in constant state of flux. Unfortunately as we are exposed to so much risk, construction workers we fail to identify what high risks we are exposing to at times, we become complacent. Unfortunately these actions have a tendency to have tragic consequences, therefore we need to change our mind set and start thinking about the risks and consequences that we exposing ourselves and others to and become more risk aware.

As a company we have many varied tools/processes to identify task related risks, these include the site hazard board, toolbox talks, health and safety/co-ordination meetings and Task Analysis/Safe Work Method Statements, all of these are used to identify and manage risks that you encounter on site, however using these tools/processes is not enough, most accidents on site are caused by a combination of three things,

- 1) poor or no planning,
- 2) failure to identify or accepting work related risks and consequences because of lack of understanding,
- 3) failure to identify the risks presented in the work environment by other trades or mother nature.

To combat this it is essential that you

- 1) Ensure that you have all the plant/ equipment and PPE required to undertake the task safely ,
 - 2) Understand the task and Identify the risks to yourself and others, remember that all risks identified must be managed, and if you are unsure on what risks involved are, ask your supervisor
 - 3) complete a Task Analysis/Safe work method Statements with you fellow colleagues and agree on the methodology if the risks identified can cause a serious harm i.e. broken bones, laceration, death,
 - 4) report to your supervisor on how you intend to be complete the work and tell the trades working around you of your work plan, 4)
- If the work methodology has to change in any way, re-evaluate the risks, discuss it with your supervisor, change the Task Analysis/Safe Work Method Statement to reflect the changes and advise your work colleagues in the immediate area if they will be effected. Only through following these essential points will you help prevent accidents/incidents.

Lastly, there's an old saying that you should "look before you leap", please remember that you are the person on site that is in charge of your own safety, management will always try to prevent accidents and with your help and assistance we will have safer sites and our accident rate will reduce.

Chris

CLIENT FEEDBACK

132 THE TERRACE STAIR STRENGTHENING PROJECT

From The Building Owner:

Please thank your staff for a great job which went very well in limited timeframes. Thanks again for your efforts and your teams work, LT McGuinness run a very efficiently and well organised project and have been great to work with and although this project was small if you are ever looking for a reference happy to oblige.

JOEL DORAN SAVES THE DAY

From the Whitebait Restraunt:

Joel has always been really friendly and helpful since we moved in to Whitebait, but yesterday he went way beyond the call of duty. I had noticed a little blue penguin in the water outside my office and was fairly certain that the penguin was injured so called the DOC bird rescue service. I asked Joel if he would swim out to the penguin and retrieve him. Without batting an eyelid, Joel changed into some swimwear, climbed down the ladder from the wharf and swam at least 100 metres to the penguin and with penguin in one hand swam back to the wharf, climbed the ladder and safely handed the penguin over to the DOC staff. Without Joel I strong believe that the penguin would not have survived for much longer in the water.



NEW STAFF :

Aaron Lindsay

Aaron is the newest addition to the LTM Auckland team.

LEAVING STAFF :

Mike McFarlane

- Moving on to new role at BCITO

Jared Hammington

- Embarking on his OE, he's coming back

RETURNING STAFF :

Blakes Honeyfield

Jacob Taingahue

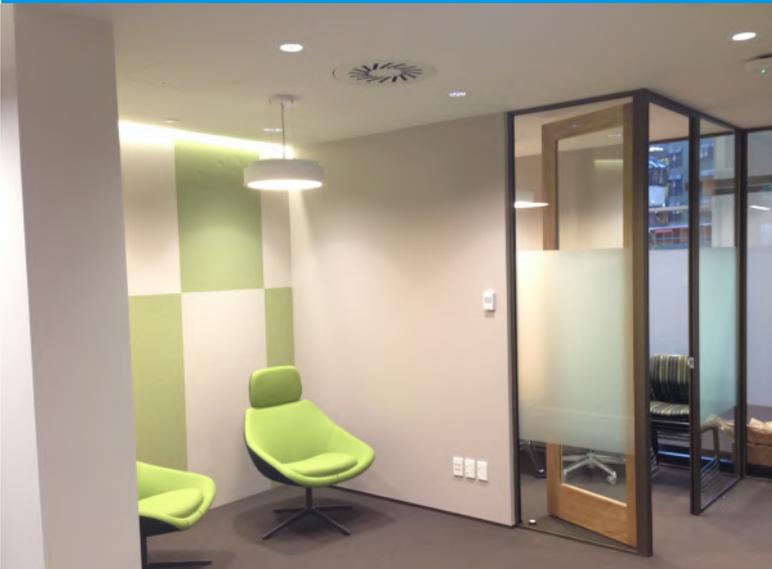
NZX FIT-OUT RE-DECORATES



With Market Lane now complete, Graham Little has relocated across the road to lead the charge on NZX's fit out to both Level 1 & 2 of Odlins Building. Spanning over 3 months, works involve a full re-decoration showcased by a heavy presence of American White Oak throughout. Feature screens, timber panelling, solid timber frames & decortech ceilings gives the area a very natural feel. Not to mention the stunning views out and over Wellington's waterfront.

Seen above is a 600kg section of the Granite Bench top being loaded up the stairwell. Good effort lads! Level 1 is now completed and handed over (as visible below) with Level 2 all on track for handover on the 7th May.

VUW HUNTER V.C SUITES COMPLETED

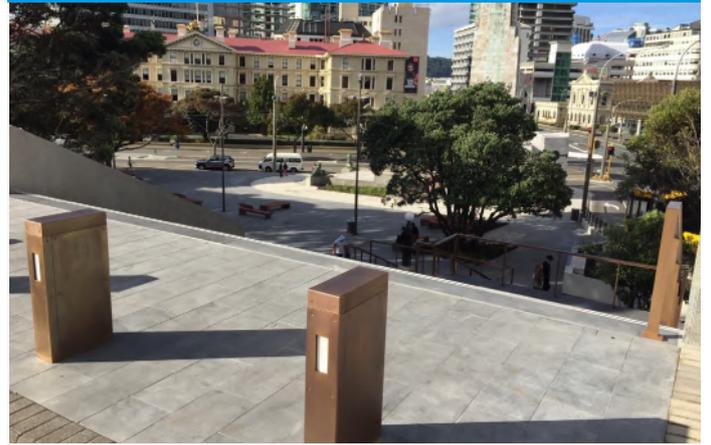


For the last 3 Months Garry Clarke & Tony Taare have been based at VUW looking after the refurbishment of the Vice Chancellor Suites in Hunter Building with the assistance of Sam Boulton. Works involved light demolition, the formation of an opening in a brick wall & all new services to suit the new open plan layout.

Being one of the prestigious offices at VUW the finishes were always going to be of a high level. Solid Kauri Doors, Brass Anodizing, Perforated Plasterboard Ceilings, Flangeless slot diffusers, Oamaru Stone Columns, Autex Panelling & Bronze light fittings just to list a few.

The guys did a great job on site to get the project across the line on time and completed to the high level of finish expected (with only 12 architectural defects). Feedback to date has been great and everyone is really enjoying the new space.

CENOTAPH PRECINCT REACHES COMPLETION



Chris McGuinness and his team delivered a hugely successful project with the recent upgrade of the Cenotaph Precinct, given the tight programme and very restricted site where traffic and pedestrian management were a constant challenge.

The project involved the creation of a new precast stairs on the Parliament embankment, concrete retaining structures, kerbing, paving, brass handrails and installation of new lighting, all in a seven month programme.

One particular challenge on site was the co-ordination of the art installation. LT's were generous sponsors of this artwork, which is a representation of the Waipiro stream, which flowed into the harbour at this point.

With the landscaping of the Wharawhaka and now this project successfully under his belt, Chris is establishing something of a reputation when it comes to landscaping projects! It is very satisfying to see this new space now being enjoyed by the people of Wellington, and for LT McGuinness to be associated with such a significant public space.

HI FROM THE 'ENGINE ROOM' AT LT'S ALSO KNOWN AS ADMIN

We welcome Elenore back to LT's. She is replacing Caroline who left us before Christmas to pursue a career in Media Studies.

Over the last 3 years we have made some big changes to our processes, adding fully integrated payroll & construction-specific (Costcon) software to our system. We've also added HR software to store employee information and Procure which stores all project information, including plans & job specs.

The next exciting change will roll out in a couple of months. It will mean the end of paper-based Purchase Orders – instead they will be generated from a cell phone app. The big advantage is that this new software can import data direct into Costcon from e-mailed invoices reducing data entry & paper costs. We can't wait!!! Of course, like any new system it won't be without its hiccups, so please bear with us during the bedding in process.

Onwards & upwards – regards Karen, Heather, Elenore & Mollie

LTM AUCKLAND



We have recently established our new Auckland Office and are currently fitting out our premises as our base for the first few years. Our team is building with Matt, Aaron and Bruce on board. A recruitment drive for further staff is about to start, ready for our first project Wynyard Central East 2, a fantastic high profile apartment development for Willis Bond, starting late 2015.

East 2 house two separate 5 and 10 level apartment blocks with a 3 level terrace housing block adjacent to them. In total 25,000m² including car parking for residents. East 2 is the first stage of five in the Wynyard Central development. LTM will build a large portion of the projects over the next 5 years and see it as a fantastic opportunity to build on our success in Wellington making a statement in the Auckland market with the successful and quality delivery of another landmark project.



April marks the one year anniversary of L.T.McGuinness taking on board Procore. This has been an exciting time with a majority of our sites now using it both pre and during construction whether it be during the bidding stage or to create a project RFI.

Feedback to date has been great with consultants and clients also getting involved, by way of uploading drawings and closing out and responding to project RFI's.

In light of feedback from all, there are a string of updates in the pipeline & a bunch of exciting new features that we are currently working on with Procore. Recently they added the contract instruction tool, allowing the Architect to upload these direct to Procore. From there LTM can distribute them directly to all relative personal. Registers of whom these have been issued to are readily available.

If you haven't done so already we would encourage you to download the iPhone/ iPad app and give some of the available tools a try

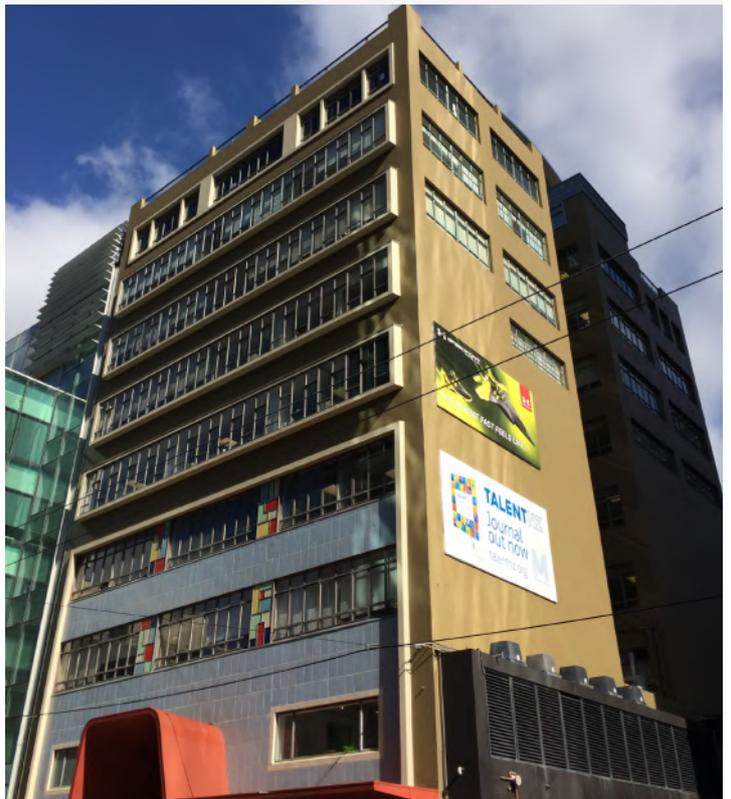
WORKING HARD OR HARDLY WORKING?



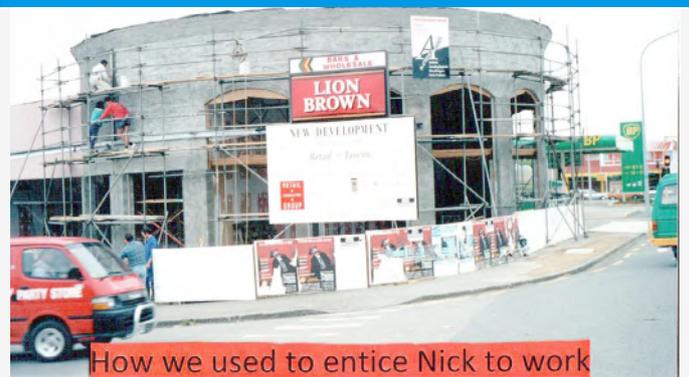
LTM FACILITIES + MAINTENANCE

Since the last edition of Hard Yards, F+M successfully won the tender for the facilities management of 44 Victoria Street, a building redeveloped by LTM as part of the Chews Lane Precinct. The appointment is for an initial 2 year term. This was an important win to bring another new client into the portfolio of LTM F+M managed property.

"Fantastic, top service Mark, you guys are awesome compared to our last property management company".



FROM THE ARCHIVES:



How we used to entice Nick to work