

A black and white photograph of a worker in a hard hat and safety gear operating a large pipe installation machine. The machine is a large, circular, rotating structure with a central opening. The worker is standing to the right of the machine, looking into the opening. The machine has the text 'MVH-406' on it. The background is a blurred outdoor setting.

LEVEL 4 PIPE INSTALLATIONS

NEW ZEALAND CERTIFICATE IN PIPE INSTALLATIONS

(with strands in Trenched and Trenchless)

NZQA REF. 2694 108-121 credits

FORMAL RECOGNITION FOR SKILLED INFRASTRUCTURE WORKERS

This qualification will give you the knowledge and skills to work with limited supervision to safely and effectively install pipes using trenched and/or trenchless methods and technology.

ABOUT THIS QUALIFICATION

The New Zealand Certificate in Pipe Installations includes the skills and knowledge required for the installation of utility owned assets; it does not include works covered by the Plumbers, Gasfitters, and Drainlayers Act 2006. Therefore, for the purposes of this qualification, pipe installations generally excludes work inside the private property boundary.

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WHICH SKILLS DOES IT COVER?

Developed with industry, for industry, this qualification covers core skills including:

- **Communicating and maintaining safety both onsite and for the community**
- **Applying knowledge of pipes, fittings and structures installation processes**

PLUS THE SKILLS IN ONE OF THE FOLLOWING STRANDS:

TRENCHED

Installing underground utilities using appropriate trenched installations methodology and technology.

TRENCHLESS

Installing underground utilities using appropriate trenchless installations methodology and technology.

L4

PIPE INSTALLATIONS

LEVEL 4 PIPE INSTALLATIONS

WHERE CAN IT TAKE YOU?

Gaining this qualification, combined with 8,000 hours of experience, will make you eligible to apply for Civil Trades Certification. Check with your Connexis Customer Service Account Manager (CSAM) for more information on Civil Trades Certification.

The New Zealand Certificate in Pipe Installations can also lead into qualifications in Infrastructure Works Site Supervision and First Line Management.

HOW IS THE QUALIFICATION ACHIEVED?

The qualification will take around 18-24 months, though time may vary between individuals. It is achieved through a mix of on and off-job assessments.

People with significant industry experience may be able to achieve the qualification through Recognition of Current Competence (RCC). This is a process which recognises the skills and knowledge already gained from previous work and/or study.

ENTRY REQUIREMENTS:

It is recommended that people achieve the Level 3 New Zealand Certificate in Infrastructure Works and/or Level 3 New Zealand Certificate in Plant and Equipment Operation, or demonstrate equivalent knowledge and experience, before attempting this qualification.

BENEFITS OF THIS QUALIFICATION

FOR YOU

- Formal recognition of your skills and knowledge – approved by industry
- Become highly skilled in your field
- Enhances your career prospects
- Provides a springboard to further training and higher qualifications

FOR YOUR EMPLOYER

- Employees can work with limited supervision
- Meets compliance requirements
- Increased productivity
- Higher standards – less rework
- Greater safety awareness

COMPANY NAME:		TRAINEE NAME:		PHONE:		NSN:	
UNIT STANDARD	LEVEL 4 (QUALIFICATION VERSION 1) NZQA REF: 2694	LEVEL	CREDIT				
ALL OF THE FOLLOWING STANDARDS ARE REQUIRED:							
17599	Plan a confined space entry	4	5				
18426	Demonstrate knowledge of hazards associated with confined spaces	3	4				
19207	Enter, work in, and exit a confined space in the water industry	3	5				
20875	Demonstrate knowledge of slinging, lifting, moving, and placing loads using mobile plant	2	5				
26781	Identify and liaise with people affected by activities at an infrastructure works site	4	3				
27329	Demonstrate knowledge of and apply quality assurance practices to own work area in a civil infrastructure operation	3	4				
9695	Examine problem-solving models and explain associated techniques	4	3				
AT LEAST ONE OF THE FOLLOWING STANDARDS IS REQUIRED:							
17600	Explain safe work practices for working at heights	3	3				
20866	Work safely on an infrastructure works site	3	7				
20869	Demonstrate knowledge of notifiable works and permits in the civil infrastructure industry	3	2				
20872	Take control of an emergency at an infrastructure works site	4	6				
20876	Conduct and document civil infrastructure worksite health and safety meetings	4	2				

UNIT STANDARD	LEVEL 4 (QUALIFICATION VERSION 1) NZQA REF: 2694	LEVEL	CREDIT
ALL OF THE FOLLOWING ARE REQUIRED:			
13010	Demonstrate knowledge of making and placing concrete	3	3
22290	Demonstrate knowledge of and carry out infrastructure works quality assurance requirements	4	5
27328	Install structures for infrastructure pipelaying and carry out follow-up procedures	4	10
27501	Demonstrate knowledge of protection and support systems for excavation on an infrastructure works site	3	2
28711	Interpret infrastructure plans and set-out information	4	5
AT LEAST 15 CREDITS FROM THE FOLLOWING IS REQUIRED:			
6479	Locate and identify services for infrastructure works	3	5
10980	Perform electrofusion jointing on polyethylene pipe for a distribution network	4	6
10987	Perform butt fusion jointing on polyethylene pipe for a distribution network	4	8
23280	Establish line, level, and grade for infrastructure pipelaying	3	5
25610	Demonstrate knowledge of equipment and operations for jointing polyethylene pipe for a distribution network	3	5
26048	Place and finish concrete for concrete construction onsite	3	15
27330	Install a thrust, anti-scour or anchor block for water reticulation	3	3
28722	Confirm alignment and reinstate gravity pipes and structures to correct line and level	4	4
TRENCHED STRAND			
ALL OF THE FOLLOWING ARE REQUIRED:			
23283	Excavate, backfill and compact, and prepare for surface reinstatement for infrastructure works	3	10
27502	Place and remove protection and support systems for excavation on an infrastructure works site	3	10
27327	Handle and install pipes and fittings for infrastructure pipelaying, and carry out follow-up procedures	4	20
AT LEAST 10 CREDITS FROM THE FOLLOWING IS REQUIRED:			
23278	Demonstrate knowledge of and pre-check infrastructure pipes, fittings and structures	3	5
23279	Demonstrate knowledge of excavation for infrastructure pipelaying	3	5
23288	Explain single point groundwater control for an infrastructure works excavation	3	2
23289	Describe and operate pump systems for dewatering in infrastructure works	3	6
25445	Describe & explain bypass pumping and install, commission, and decommission bypasses for infrastructure pipelaying	3	4
TRENCHLESS STRAND			
ALL OF THE FOLLOWING ARE REQUIRED:			
24919	Describe trenchless pipe installation, and pipe refurbishment or maintenance	3	3
22103	Describe trenching and demonstrate trench set-out requirements for water reticulation	4	4
25396	Demonstrate knowledge of damage avoidance, consequences of damage, and damage response for trenchless installations	4	4
28724	Demonstrate knowledge of horizontal directional drilling	4	5
20480	Prepare for horizontal directional drilling operations and disestablish the site afterwards	4	6
AT LEAST ONE OF THE FOLLOWING STANDARDS IS REQUIRED:			
20484	Operate the drill rig for horizontal directional drilling	3	15
20485	Provide guidance for horizontal directional drilling	4	15

FURTHER INFORMATION

BROCHURE VERSION 1

WANT TO ENROL OR FIND OUT MORE? CONTACT US AND WE'LL PUT YOU IN TOUCH WITH YOUR LOCAL CUSTOMER SERVICE ACCOUNT MANAGER

Infrastructure ITO

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Connexis ITO
Level 13, Simpl House
40 Mercer Street
Wellington
askus@connexis.org.nz
0800 486 626