

# National Certificate in Civil Construction Works (Infrastructure Pipelaying) Level Three – 154 Credits

## Training Plan

(Full name)

The National Certificate in Civil Construction Works (Infrastructure Pipelaying) is a Level 3 qualification, comprising 154 credits.

To be awarded the qualification trainees must complete:

- Core Compulsory Units
- Core Elective Units

An Optional Strand in Gas Distribution Pipelaying can also be completed, in addition to the above.

*Please note: The ticked units can only be achieved by attending an off-job course.*

### Core Compulsory Units – All the units listed below are required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
6472	Carry out manual excavation for civil construction works	1	2			
6479	Locate and identify services on civil construction sites	3	4			
13010	Demonstrate knowledge of making and placing concrete	3	3			
17327	Communicate on civil construction sites	2	3			
17599	Plan a confined space entry	4	5		✓	
18426	Demonstrate knowledge of hazards associated with confined space	3	4		✓	497 and 6401 recommended. 497 can be selected in Elective 1 (Occupational Health & Safety domain)
19205	Demonstrate knowledge of pathogens, diseases, and their control in the water industry	3	2		✓	
19207	Enter, work in, and exit a confined space in the water industry	3	5	18426	✓	
20875	Demonstrate knowledge of slinging, lifting, and placing with an excavator or loader	3	5			
23278	Demonstrate knowledge of and pre-check infrastructure pipes, fittings and structures	3	5			
23279	Demonstrate knowledge of excavation for infrastructure pipelaying	3	5			
23280	Establish line, level, and grade for infrastructure pipelaying	3	5			
23281	Use and care for hand-held power tools used in civil construction	3	4			
23282	Install pipes and their fittings for infrastructure pipelaying	3	40			
23283	Open roads, excavate, backfill and compact, and prepare for surface reinstatement	3	10			
23284	Install structures for infrastructure pipelaying	3	18			
23285	Use and care for hand tools used for infrastructure pipelaying	2	2			
23288	Demonstrate knowledge of single point groundwater control for infrastructure pipelaying	3	2			

## Core Elective Units – Meet the requirements of Set 1 and Set 2

Core Elective Set 1 – A minimum of 10 credits are required. Only the unit standards supported by InfraTrain as off-job are listed below.							Tick to select
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
6401	Provide first aid	2	1	6402	✓		
6402	Provide resuscitation level 2	1	1		✓		

Other unit standards can be selected from the NZQA field, subfield and domain listed below. All of these unit standards will be delivered and assessed off-job. Please refer to <a href="http://www.nzqa.govt.nz">www.nzqa.govt.nz</a> for further details.		
Field	Subfield	Domain
Engineering and Technology	Civil Works and Services	Civil Infrastructure Health, Safety, and Environment
Health	Occupational Health and Safety	Occupational Health and Safety Practice

Please write details of the unit standards which have been selected in the space below.						
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments

Core Elective Set 2 – A minimum of 20 credits are required.							Tick to select
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
5627	Operate as a Traffic Controller (TC) for low volume and Level 1 roads	3	4	TC Level 1	✓		
6452	Maintain, transport, and store temporary roadwork signs for civil construction works	2	3				
6457	Use generator and compressor for civil construction	2	2				
6467	Operate a plate compactor on civil construction materials	2	4				
6469	Maintain small plant and equipment on civil construction works	1	2				
6475	Maintain records for civil construction work	2	2				
6476	Read and interpret civil construction plans	2	2				
10980	Perform electrofusion jointing in a gas distribution network	3	3		✓		
10987	Perform butt fusion jointing in a gas distribution network	3	5		✓		
16701	Demonstrate knowledge and skills for driving on a road for endorsement W (wheels)	3	3	Full Class 1 Driver Licence			
16702	Demonstrate knowledge and skills for driving on a road for endorsement R (rollers)	3	3				
16703	Demonstrate knowledge and skills for driving on a road for endorsement T (tracks)	3	3				
19675	Operate a road saw	2	4				

Core Elective Set 2 – Continued.							Tick to select
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
23286	Operate a well-point system for civil construction	3	6			23289 recommended	
23289	Operate pump systems for dewatering in civil construction	3	4				
25445	Describe and explain bypass pumping and install, commission, and decommission bypasses for infrastructure pipelaying	3	4				

Other unit standards can be selected from the NZQA field, subfield and domain listed below. All of these unit standards will be delivered and assessed off-job. Please refer to [www.nzqa.govt.nz](http://www.nzqa.govt.nz) for further details.

Field	Subfield	Domain
Planning and Construction	Plumbing, Gasfitting and Drainlaying	Core Plumbing, Gasfitting, and Drainlaying
		Drainlaying

Please write details of the unit standards which have been selected in the space below.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments

## Optional Strand

Gas Distribution Peipelaying Optional Strand – All the units listed below are required.							<input type="checkbox"/> Tick to select strand
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
9631	Use personal protection equipment in a petrochemical workplace	2	2		✓		
11326	Interpret symbols, signs, and terminology specific to a gas distribution network	2	2		✓		
17690	Identify potential hazards of and safety precautions for working with live reticulated gas	2	6		✓		
23086	Lay a gas pipe in a gas distribution network	3	6	10992 or 6479	✓	10992 is not in this qualification	