

Presentation Instructions

Who is this presentation for?

The trainer and learners.

What is in this Presentation?

- Course information that matches the Learner Guide content.
- Review questions and model answers.
- Slides contain summarised content, with full notes and information for the trainer, visible when the slide show is shown in "Presenter View" (see instructions on next slide).
- Use this presentation to support and reinforce the training information from the Learner Guide.

What do you need to do before you use it for the first time?

1. Rebrand the presentation.
2. Review the presentation as part of your validation process.

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Instructions for Viewing in Presenter View

NOTE: This view is only applicable when the computer is connected to a second screen or a data projector.

Once the second screen/projector is connected make sure that the "Use Presenter View" box is ticked.

This is found in the "SLIDE SHOW" tab as shown below.



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RIIAP 302E

**INSTALL STORMWATER
SYSTEMS**



**TRAINING
PRESENTATION**

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Training Presentation Sections

Click on a box to go to that section.



Section 1:
Plan and Prepare for
Work



Section 2:
Set Out and Excavate
Area



Section 3:
Install and Test
Stormwater System

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RICP 302F

Section 1:
Plan and Prepare for Work



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1.1 Introduction

These materials are based on the national unit of competency **RIICPL302E Install Stormwater Systems.**

You will learn about:

- ◆ Planning and preparing for line installation.
- ◆ Setting out and excavating the trenches for the stormwater system.
- ◆ Installing the stormwater system.
- ◆ Testing the stormwater system.
- ◆ Clearing up and finalising the work areas.



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1.1.1 What is a Stormwater System?

A stormwater system is an independent, standalone collection of pipes, inlet points, pits and outlet points that is used to catch water runoff in areas where people live.

Stormwater systems cannot be used as mains water delivery systems or as waste collection systems.

It is essential that stormwater systems are standalone systems to avoid cross contamination of the water and risk making people and animals ill.



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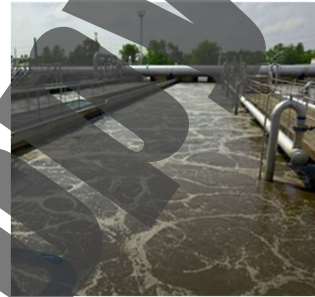
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1.1.2 Construction of Stormwater Systems

Stormwater systems are constructed based on the principle of water reticulation. Water reticulation is the process of moving water or other fluids from one location to another. It is the primary focus of any stormwater system.

Water reticulation systems may include:

- ◆ Regional water source management and transfer.
- ◆ Recycled wastewater systems.
- ◆ The collection and distribution of treated wastewater into drinking water supplies.



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1.1.3 Installation Procedures

Stormwater systems are only installed in the ground. It is necessary for these systems to be in-ground to allow for the control of the incoming water in a non-dangerous manner.

The specific installation method will vary depending on your location, what materials you are using, and the local and state government requirements that must be met.



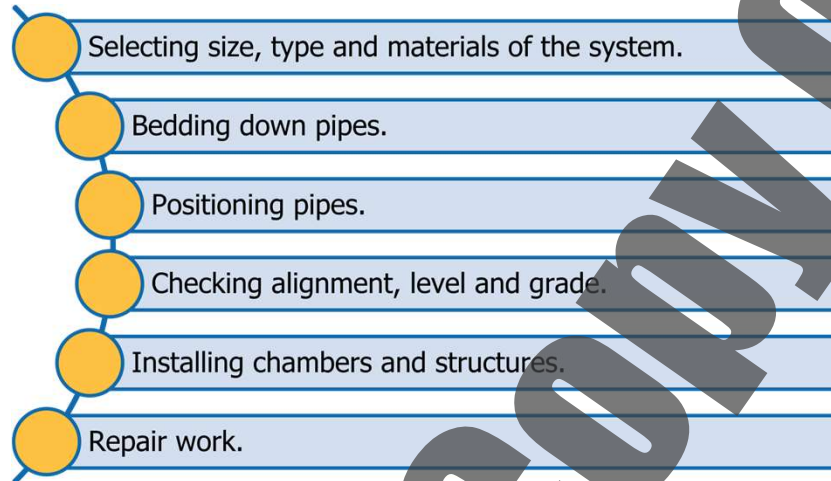
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1.1.3 Installation Procedures

The installation procedures in your work instructions will guide you through the process of:



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- ◆ Selecting size, type and materials of the system.
- ◆ Bedding down pipes.
- ◆ Positioning pipes.
- ◆ Checking alignment, level and grade.

- ◆ Installing chambers and structures.
- ◆ Repair work.

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1.1.3 Installation Procedures

Depending on the worksite and design requirements, the type of system being installed and the materials involved, different methods of installation may be used. These methods may include:

- ◆ Open trenching.
- ◆ Direct pipe laying.
- ◆ Direct boring.
- ◆ Cast-in-place systems.



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Section 1 Review Questions

1. List two (2) things that water reticulation systems may include.



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Answer may include:

- ◆ Regional water source management and transfer.
- ◆ Recycled wastewater systems.
- ◆ The collection and distribution of treated wastewater into drinking water supplies.



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Section 1 Review Questions

2. What will the specific stormwater system installation procedures vary depending on?



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Depending on your location, what materials you are using, and the local and state government requirements that must be met.



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1.2 Site Policies and Procedures

You must follow all site rules and instructions when performing any work. If you are not sure about what you should do, ask your boss or supervisor. They will tell you what you need to do and how to do it in a safe way.



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1.2.1 Health and Safety Rules

Every workplace has to follow laws and rules to keep everyone safe. There are 4 main types:

Rule	Acts
	Regulations
	Codes of Practice
	Australian Standards

Some states use OHS laws, and other states use WHS laws. They both talk about the same thing, but use different words or names for people. If you have any questions about safety rules you should talk to your boss or supervisor.

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Rule and Explanation

Acts - Laws that protect the health, safety and welfare of people at work.

Regulations - Gives more details or information on particular parts of the Act.

Codes of Practice - Are practical instructions on how to meet the terms of the Law.

Australian Standards - Give you the minimum levels of performance or quality for a hazard, work process or product.

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1.2.2 Operations Documentation

Before starting your work you need to make sure you have access to all operations documentation for the job. This will help you to do your work in the safest way and make sure all work is compliant.



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1.2.2 Operations Documentation

Operations documentation includes:

Site Details

Hazard Details

Task Details

Faulty Equipment Procedures

Signage

Emergency Procedures

Equipment and Work Instructions

Operations documentation includes:

- ◆ **Site Details** - The information and safety requirements of the workplace environment (where you will be working).
- ◆ **Hazard Details** - Any hazards in the work area or related to the work. This could also include instructions on how to handle dangerous or hazardous materials.
- ◆ **Task Details** - Instructions of what the work is or what you will

be doing (this can include diagrams or plans). Also instructions on how to safely do the job.

- ◆ **Faulty Equipment Procedures -**

Isolation procedures to follow or forms to fill out.

- ◆ **Signage -** Site signage tells you what equipment you need to have, or areas that are not safe to be in.

- ◆ **Emergency Procedures -**

Instructions on what to do in emergency situations, for example if there is a fire, accident or emergency where evacuation or first aid is needed.

- ◆ **Equipment and Work**

Instructions - Details of how to operate plant and equipment and the sequence of work to be done.

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