CITY OF SASKATOON Water and Sewer Section

Curb Stop Replacement Trainers Manual

Trainers Manual

CITY OF SASKATOON

Curb Stop Replacement Trainers Manual

© City of Saskatoon

Table of Contents

PREPARATION FOR TRAINING	1
RESOURCES FOR TRAINING: TRAINING TIME TABLE	1 2
SESSION 1	2
INTRODUCTION	2
SESSION 2	3
METHODS AND TECHNIQUES	3
SESSION 3	14
METHOD AND TECHNIQUES	14
SESSION 4	26
RESOURCES REQUIRED	26
SESSION 5	
SESSION 6	
PROCEDURE INTRODUCTION	38
WATER SERVICE DISRUPTION REPORT	
DAILY WORK REPORT	
FOREMAN'S JOB REPORT	
WORKSITE – SAFETY CHECK SHEET	
STANDARD DISTRIBUTION SYSTEM FLUSHING	G AND
SAMPLING FORM	39
DEEP EXCAVATION NOTIFICATION FORM	39
WEEKEND MATERIAL DATA SHEET	39
CONFINED SPACE ENTRY INSPECTION FORM .	39
WORK METHOD CHECKLIST	39
ADVISORY - EMERGENCY WATER SERVICE	
INTERRUPTION (DOOR HANGER)	39

Preparation for Training

Resources for Training:

- i. A list of the staff requiring training.
- ii. Familiarization with training manual.
- iii. A meeting room.
- iv. Copies of an "Uncontrolled" Procedure, Trainee Manual and Work Method Check List. An "Uncontrolled" document has the word Uncontrolled water marked across the page. There are copies of the uncontrolled documents in the trainer's tool kit. Package the Procedure, Trainee Manual, Work Method Check List and copies of all the forms together for each trainee.
- v. Example copies of the following forms, for each trainee:
 - Water Service Disruption Report
 - Daily Work Report
 - Foreman's Job Report
 - Worksite Safety Check Sheet
 - Weekend Material Data Sheet
 - Work Method Checklist
 - Aggregate Tracking Ticket
 - Advisory Emergency Water Service Interruption (Door Hanger)
- vi. Presentation and presentation equipment.
- vii. The videos "Hard Hat Safety –Heads Up" and "Personal Protective Equipment". Both videos are located with the occupation health and safety superintendent at City Hall.

viii. A T.V. and V.C.R.

- ix. Certificates of completion for each staff member.
- x. Examples of all equipment and materials.
- xi. Doughnuts and Coffee

Training Time Table

Session Number	Time	Activity	8:00am Start Time	8:30am Start Time
Session 1	15min	Introduction	8:00am	8:30am
Session 2	25min	Method and Techniques	8:15am	8:45am
	25min	Video, Personal Protective Equipment	8:40am	9:10am
	25min	Method and Techniques	9:05am	9:35am
	15min	Break	9:30am	10:00am
Session 3	90min	Finish Method and Techniques	9:45am	9:15am
	15min	Break	11:15am	11:45am
Session 4	45min	Review Equipment and Materials	11:30am	12:00am
	60min	Lunch	12:15pm	12:45pm
Session 5	25min	Video: Hard Hat Safety – Heads Up	1:15pm	1:45pm
	25min	Discussion	1:50pm	2:10pm
	15min	Break	2:15pm	2:45pm
Session 6	90min	Review Procedure and Forms	2:30pm	3:00 pm
		End of Day	4:00pm	4:30pm

Session 1

Session 1 is the introduction. Start by introducing yourself, your name your position how long you have been with the City of Saskatoon and anything else you deem applicable. After your introduction discuss what they will be trained on, and example is given below.

Introduction

The objective of this course is to train staff on replacing a curb stop in a timely, efficient manner while minimizing disruption in service to the customer and insuring the replacement meets current standards. Should substandard conditions of the peripheral infrastructure be identified, further renovations will be

performed. (If you have already introduced yourself to the group of staff meny times, just give a brief explanation of the activity)

Session 2

Session 2 begins the slide presentation on the methods and techniques section of curb stop replacement. The trainee's manual will be handed out at the beginning of this session. The overhead transparencies or power point presentation will be used. Show the slide and read any notes in the trainer's copy of the presentation. Feel free to discuss the slide further, if required. Due to time restriction try to get through about half of the slides before the break.

Methods and Techniques

















Stop Presentation

Show Video: Personal Protective Equipment (Safety Care Series)

Slide 31

Shoring and Trailer

 Inspect the shoring before use.



Make sure shoring and trailer, are clean and in proper working order for transporting. Shoring trailers shall not be used to transport material unless designated for such use. Park trailer where there are no overhead lines or tree branches. Check for cracks on the shoring eyebolts and chains. Ensure that tie down straps are in good condition (Not frayed or torn).

Slide 32

Unloading Shoring

 Hook up chain of adequate length so as not to crowd lift or flexibility.



Hook up chain appropriately so as not to crowd lift or flexibility. Keep the chain short when transporting the shoring from the trailer to the excavation, this prevents the shoring from swinging excessively.

Slide 33

Shoring Installation



Position the excavator/backhoe far enough back so the shoring can be lifted and lowered safely. Use tag lines wherever possible. Naturally frozen soil is not considered safe and therefore must be shored.





Session 3

Session 3 completes the review of the methods and techniques section of the slide presentation. You should be able to finish reviewing the slides during this session. Try to leave a little time at the end for a question period. Do not go on to the resources required section of the presentation, this will be covered in the next session.

Method and Techniques

















Slide 72

Labourer Exiting Excavation

 Remove all hand tools from excavation. Exit and remov ladder



All hand tools and ladder are removed from excavation after the replacement is complete. Never throw tools out of excavation. Clean tools prior to storing.

Slide 73

Removal of Shoring



naterial



Shoring is removed from excavation by the Excavator/Backhoe and placed on the trailer. Ensure shoring equipment and the trailer are cleaned, serviced, repaired or replaced and are ready for the next job. End plates must be stored in proper place on the trailer.

Slide 74



Slide 75

Saturated or Unsuitable Soil



If soil conditions at base of excavation are unstable, remove unsuitable material and replace with crushed rock and/or granular material.







Session 4

Session 4 reviews the last section of the slide presentation on resources required. Get the examples of the equipment out and ready to pass around. When discussing each piece of equipment have it passed around. It is easiest to have all the equipment laid out on a table in the same order as the slides. You should be able to finish reviewing the slides during this session. Try to leave a little time at the end for a question period.

Resources Required

























Session 5

Session 5 will include a work exercise and discussion. For an exercise, show a video and then discuss.

Show the Video Hard Hat Safety – Heads Up.

After the video discuss the importance of wearing a hard hat. Ask the staff if they had any near misses and discuss them.

Session 6

Session 6 will review the procedure and all the required forms. Start by handing out the procedure and review it. Hand out all the required forms, then review each. A general overview of the procedure and each form is given below.

Procedure introduction

The procedure is a document that focuses: the roles and responsibilities of the required persons, for a specific task and the critical steps of the task.

Procedures are used primarily during training for a task, and then mainly as a reference document. Procedures should be auditable by either inspection during the process or by review of an audit trail upon completion of the process. Procedures are not intended to be used while the task is being preformed.

Water Service Disruption Report

This form is used to initiate maintenance. It has replaced the sewer and water maintenance memo. It is given to the locations department.

Daily Work Report

This is a list of all the work being performed or to be performed and who is performing the work. This form comes from the supervisor VI and goes out to all the supervisors IV and departments involved in a task.

Foreman's job report

This report details the work that has been completed. It is given to the supervisor IV with the worksite safety check sheet, by the locations department.

Worksite - Safety Check Sheet

This report lists all the safety requirements that must be met. It is handed out with the Forman's job report.

Standard Distribution System Flushing and Sampling Form

This is for tasks that require water quality testing. This form is taken with the water sample to the water treatment plant for testing.

Deep excavation notification form

This form is filled out for excavations deeper than 5 meters. The form is sent to Sask, labour and Charlie Cairns from Corporate Services - Employee Services.

Weekend Material Data Sheet

This form is filled out on the weekend when supplies are taken from central or engineering stores. The form is given to stores.

Confined Space Entry Inspection Form

This form is filled out when staff enters a confined space, such as manholes and valve chambers. The form should be given to the supervisor.

Work Method checklist

This form is taken to the job site and the critical steps are checked off as they are completed. The purpose of this form is to ensure none of the important steps are forgotten and to understand how each crew performs each task.

Advisory - Emergency Water Service Interruption (Door Hanger)

These hangers are to be distributed in instances where water service will be disrupted for more than one hour but less than 36 hours. These hangers will be given in conjunction with the conversation or left in the event that there is no one on hand to speak to. Using either the stamps in the kit or an ink pen, mark the date and time on the top of the back of the advisory. Each home in the affected area should receive one door hanger on the doorknob of the main entry into the home or another visible access into the building.