



Fish on Drains

Stormwater drain marking

A project to help keep your local storm drains pollution free

Stormwater drain inlets in our community are being marked with an important message **“Drains Rain Only”**. Storm drains lead to local streams or groundwater, changing our waterways.

Marking storm water drains helps raise awareness about the link between the storm drain system and water quality. Pesticides and garden chemicals, soap from car washing, pet waste and oil from cars all get washed off lawns and streets and into our water.



Project checklist

Gather the information you need to get started prior to organising your work party.

- ◆ **Choose a location**
Identify a neighbourhood near you with storm water drain inlets.
- ◆ **Project set-up**
Prior to starting work, review all the safety instructions with your volunteers, have them sign the volunteer agreement and review your work plan for the project (how many sites, where location, roles and responsibilities).
- ◆ **Canterbury Maps has storm drain location information.**
- ◆ **Reserve a storm water drain marking kit**
Contact the Timaru District Council (TDC) Drainage and Water Unit to reserve a kit for your project: 03 687 7200
- ◆ **Complete your project**
Ensure that everyone has their safety gear on and all instructions are followed, so this is a safe and fun outing.
- ◆ **Review the marking kit information**
Including installation guidelines, equipment list, safety instructions and project tracking form. Contact TDC Drainage and Water Unit with any questions.
- ◆ **Return the kit and all materials in the assigned box.** Review the checklist to make sure all equipment is included.
- ◆ **Return tracking and volunteer forms to Council office or service centre.**



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Equipment checklist

This simple kit will have everything you need to host a work party – you supply volunteers!

- 💧 **Traffic safety vests (4)**
- 💧 **Traffic safety cones (2)**
- 💧 **Safety orange flags (2)**
- 💧 **Safety goggles (2)**
- 💧 **Wire brush, broom, dustpan (1 ea)**
- 💧 **Portable drill and drill bit (1 each)**
- 💧 **Tool box (1)**
- 💧 **Hammer (1)**
- 💧 **Markers (as required)**
- 💧 **Pencils (2)**
- 💧 **Information packet:** safety procedure and traffic management plan, map, instructions, tracking form.

Safety Guidelines

Make sure all of your volunteers are informed on all safety protocols

- 💧 Only roads 50km/h or less are eligible.
- 💧 Volunteers will mark drains along residential streets only. No marking will be permitted along state highways or other high traffic speed areas due to potentially hazardous conditions.
- 💧 Mark drains that are free from obstructions or hazards. Do not mark near parked cars or other objects that might be damaged by installation.
- 💧 Commercial businesses and residential developments are private properties that require permission of the property owner. Contact the owner in advance and get written permission prior to marking drains.
- 💧 Review and follow the safety procedures and traffic management plan in the binder. Always put on safety gear before entering the roadway. Place traffic cones facing on-coming traffic.
- 💧 When marking storm drains along the side of the road, be conscious of vehicular traffic.
- 💧 Assign 1-2 people to watch for traffic.
- 💧 Adult supervision is required when working with children under 18 years of age. Power tools should be used by adults or people over 18 years old.
- 💧 Stay out of the roadway when not working. Remember that drivers may not always see you.
- 💧 Follow the Traffic Management Plan in the information packet.

NOTE: Install ONLY on clean and dry pavement. Temperature should be above 7 degrees C.

Instructions

Follow the steps below to complete your project and then return all items to Timaru District Council

1 SET-UP

Review the safety guidelines for working in the street. Confirm each person's role in your project. Position cones and safety equipment.



2 SURFACE PREPARATION

Use the wire brush and/or broom to remove excess dirt from the area to be marked. Do not brush dirt into the storm drain!

Sweep it up into the dust pan and put in the rubbish bin. Mark on top of the kerb, not in the street.



3 DRILL HOLES

Prepare the marker:

- a. Position fish on the centre of the kerb above the drain, so that the words read correctly when standing on the footpath. Avoid painted surfaces.

Mark locations of the drill holes with pencil.



- b. Remove fish and drill down approximately 40mm



- c. Brush the area clean, away from drain.

Instructions continue on the next page...

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4 INSTALL TAPPETS

Place fish back over holes making sure the fish is still facing the correct way and hammer each tappet in a little way.



6 CLEAN UP

Pack up all materials and move to next drain. Confirm all tools are in the carrying box.



5 FINISH INSTALLATION

Hammer tappets the rest of the way ensuring there is no gap between the fish and the concrete.



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DISTRICT COUNCIL
Te Kaunihera ā-Rohe
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