

Storm Drain Marking - Medallions

Help your neighborhood keep your storm drains pollution free

December 2016

Many storm drains in our community are marked with an important message **"Only Rain in Drain."** Storm drains lead to streams or the groundwater, directing untreated stormwater runoff to our water supply.

Marking storm drains help 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, down storm drains, and into our water.



Project Checklist:

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

Choose a location - Identify a neighborhood near you with storm drains. Clark County GIS has storm drain location information.

Reserve a storm drain stenciling kit - Contact the Clark County Clean Water Division to reserve a kit for your project. (360) 397-2121

Review the marking kit information - Review all the materials in the packet, including installation guidelines, equipment list, safety review, instructions and project tracking form. Contact Clark County's Clean Water Division (CWD) with any questions.

Project set-up - Prior to starting work, review all the safety guidelines 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).

Complete your project - Ensure that everyone has their safety gear on and all instructions are followed, so this is a safe and fun outing.

Return the kit and forms - Return the storm drain kit and all materials in the assigned tub. Review the checklist to make sure all equipment is included. Return tracking and volunteer forms to CWD staff.

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, whisk broom, dustpan (1 ea)
- Latex gloves
- Caulking tube gun
- Caulking adhesive (multiple tubes)
- Portable drill and 1 1/4" diameter drill bit
- Tool bag (1)
- Hammer
- Handy-wipes
- Information binder: safety protocols, map, instructions, tracking form



Source: CCTV

More information can be found at our website:
www.clark.wa.gov/stormwater

THANK YOU FOR
VOLUNTEERING!



Storm Drain Marking

Safety Guidelines

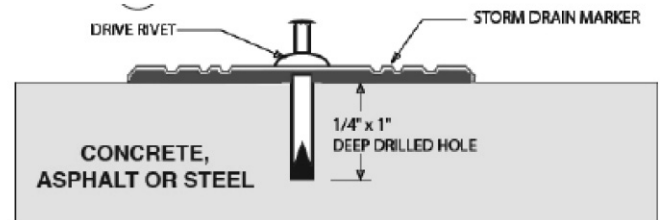
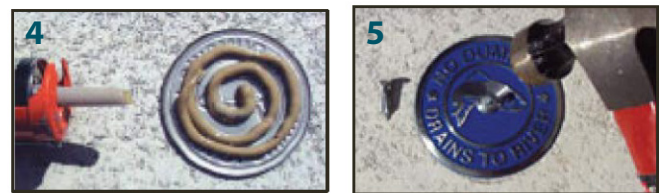
Make sure all of your volunteers are informed on all safety protocols

- ❑ **Volunteers will mark drains along residential streets only** - No marking will be permitted along arterials, highways or other high traffic speed or volume due to potentially hazardous conditions. Only roads that are 25 mph or less are eligible.
- ❑ **Mark drains that are free from obstructions or hazards** - Do not mark near parked cars or other objects that might be damaged by installation.
- ❑ **Apartments, housing developments and commercial businesses are private property that require permission of the property owner** - Contact the owner in advance and get written permission prior to marking drains.
- ❑ **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 use the orange flag and 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.

Instructions

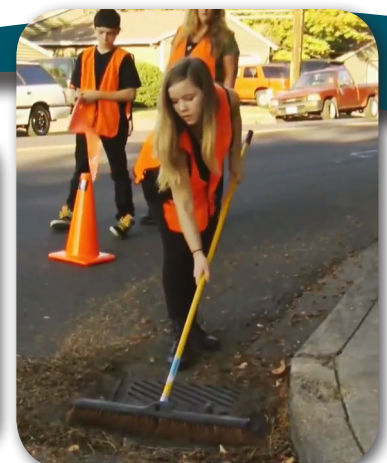
Follow the steps below to complete your project and then return all items to Clark County

1. **SET- UP** - Review the safety guidelines for working in the street. Position cones and safety equipment and confirm each person's role in your project.
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 trash bag. Mark on top of the curb, not in the street.
3. **DRILL PILOT HOLE** - prepare the marker:
 - a. Position the medallion to be centered on the curb above the drain. Avoid painted surfaces. Note location to drill hole.
 - b. Drill hole that is 1/4" diameter and 1" deep.
 - c. Brush the area clean, away from drain.
4. **APPLY ADHESIVE** - Put on gloves, load caulking gun and put a small bead of caulk on the underside of the medallion. Preferably place two circles of caulk on the bottom. Place medallion on curb with rivet hole centered over the drilled hole. Press firmly in place.
5. **INSTALL RIVET** - Place one rivet with the pointed end down into pre-drilled hole. Hammer into place until flush with medallion.
6. **CLEAN UP** - Pack up all materials and move to next drain. Confirm all tools are in the carrying bag.



HARDWARE:
1- DR250- 1/4" x 3/4" DRIVE RIVET
1- DB250- 1/4" CARBIDE DRILL BIT;

Source: City of Vancouver



Source: CTV

Clark County Public Works - Clean Water Division
1300 Franklin St., Public Service Center
Vancouver, WA 98666-9810

(360) 397-2121, cleanwater@clark.wa.gov
www.clark.wa.gov/stormwater

NOTE:
Install ONLY on clean
and dry pavement.
Temperature should be
above 45 degrees F.