



Butte – Silver Bow Storm Drain Inlet Markers

Montana Natural Resource Damage Program
Small Restoration Project Grant Application

Submitted To:



Montana Natural Resource Damage Program
65 East Broadway
Butte, MT 59701

November 2016

Grant Applicant Contact Information

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Butte, Montana 59701
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Introduction

My name is Taryn Stratton, I am an eighth-grade student at East Middle School in Butte, Montana. I observed storm drain markers in other towns while on vacation in the spring of 2016. I felt that Butte should have storm drain markers and I did some research and talked over the project with my dad, Dave Stratton. I considered taking on a large project to put a storm drain marker on every inlet in Butte, but to get a commitment to ensure a successful project seemed out of reach. I decided to take on a much smaller project myself with the help of my dad. I want to focus on the uptown Butte area with the most visibility to raise as much awareness as possible. I care about our environment and I care about our waters. If people think about where the storm water goes before they dump in the inlets, I believe my project will be a success.

Project Goals and Objectives

My project goal is to raise awareness of where the storm drain inlets lead to. I want people to realize that when they dump pollutants in the streets and storm drains that it eventually ends up in our rivers and streams.

My objective is to hopefully encourage more inlet marker projects and to eventually mark every storm inlet in Butte.

Project Summary and Map

Install 4" round plastic storm drain inlet markers on the top of the curbs at the back of the inlets in the Uptown Butte area. These markers are a printed plastic non-slip disk with ultraviolet protection. The life expectancy varies dependent on the environment. These are installed with a special adhesive provided by the manufacturer. Some of these markers have been in place for 22 years. The example to the right is a what I am proposing.



Below are two example installed inlet markers.



Please see attached figure #1 for the target area of inlet marker installations.

Project Benefits

In addition to raising awareness and keeping pollutants out of our storm drain systems which helps protect our waterways, this project will also assist Butte-Silver Bow with meeting their MS4 Storm Water Program by educating the public.

Project Implementation

Once I have approval for my project, I will meet with Butte-Silver Bow and Montana Department of Transportation personnel to get their approval for the exact locations and installation. Next I will order and purchase the inlet markers and turn in invoices for reimbursement. When the weather warms up in the spring, I will, with the help of my dad begin installing the inlet markers. I will obey all traffic laws and wear bright orange reflective vests during the installations and stay out of the roadways. The 4" diameter area on the top of the curb will be wire-brushed and cleaned prior to the installation. We estimate that we can install one inlet marker every 15 minutes including time to walk to the inlets. We will also mark off on field maps the inlets that are marked and deliver a copy of the maps to Butte-Silver Bow and Montana Department of Transportation for their records.

Project Schedule

Beginning on or about June 1st, 2017 we estimate that it will take approximately 75 hours to complete my project. I plan on completing the project in the fall of 2017, but to plan on the unforeseen, I will set the schedule to be completed in the fall of 2018.

Monitoring Activities

I plan on working closely with Matt Moore from Butte Public Works Department to ensure we have a successful project and discussing the project with Matt as we move forward. I am also willing to provide the Montana Natural Resource Damage Program with any maps and/or progress reports they may require.

Project Budget

Costs are based on a quote from dasManufacturing, Inc. My time and my dad's time will be all volunteer. The orange safety vests, fuel costs, meals and water will also be donated by my dad.

Anticipated Project Costs

Task	Quantity	Units	Unit Cost	Total Cost
Duracast 4" Custom das Curb Marker	300	each	\$3.25	\$975
Das Curb Marker Adhesive 11 oz. (24 markers)	14	each	\$8.90	\$124.60
UPS Ground Shipping	1	LS	\$52	\$52
Wire Brush	2	each	\$5	\$10
			Total	\$1,161.60
			Contingency (10%)	\$116.16
			Grand Total	\$1277.76

Summary

Thank you for considering my proposal. I am excited to do something for my community and help the environment. I am also attaching a letter of support from Matt Moore, Operations Manager-Metro Butte - Silver Bow Department of Public Works

Sincerely,

Taryn Stratton



The City and County of

Butte-Silver Bow Montana

PUBLIC WORKS DEPARTMENT

126 West Granite Street Butte, MT 59701

(406) 497-6515

November 15, 2016

Taryn Stratton
1418 Browning St.
Butte

To whom it may concern, I submit to you support of Taryn Stratton by the Butte-Silver Bow Metro Storm Water Utility. As small Municipal Separate Storm Sewer System, one of the minimum control measures detailed in our permit is to involve community in addressing pollution to our streams. This project would provide valuable community outreach tool.

Sincerely,

Matt Moore
Operations Manager—Metro
Butte-Silver Bow Department of Public Works

CITY OF BUTTE STORM DRAIN INLETS

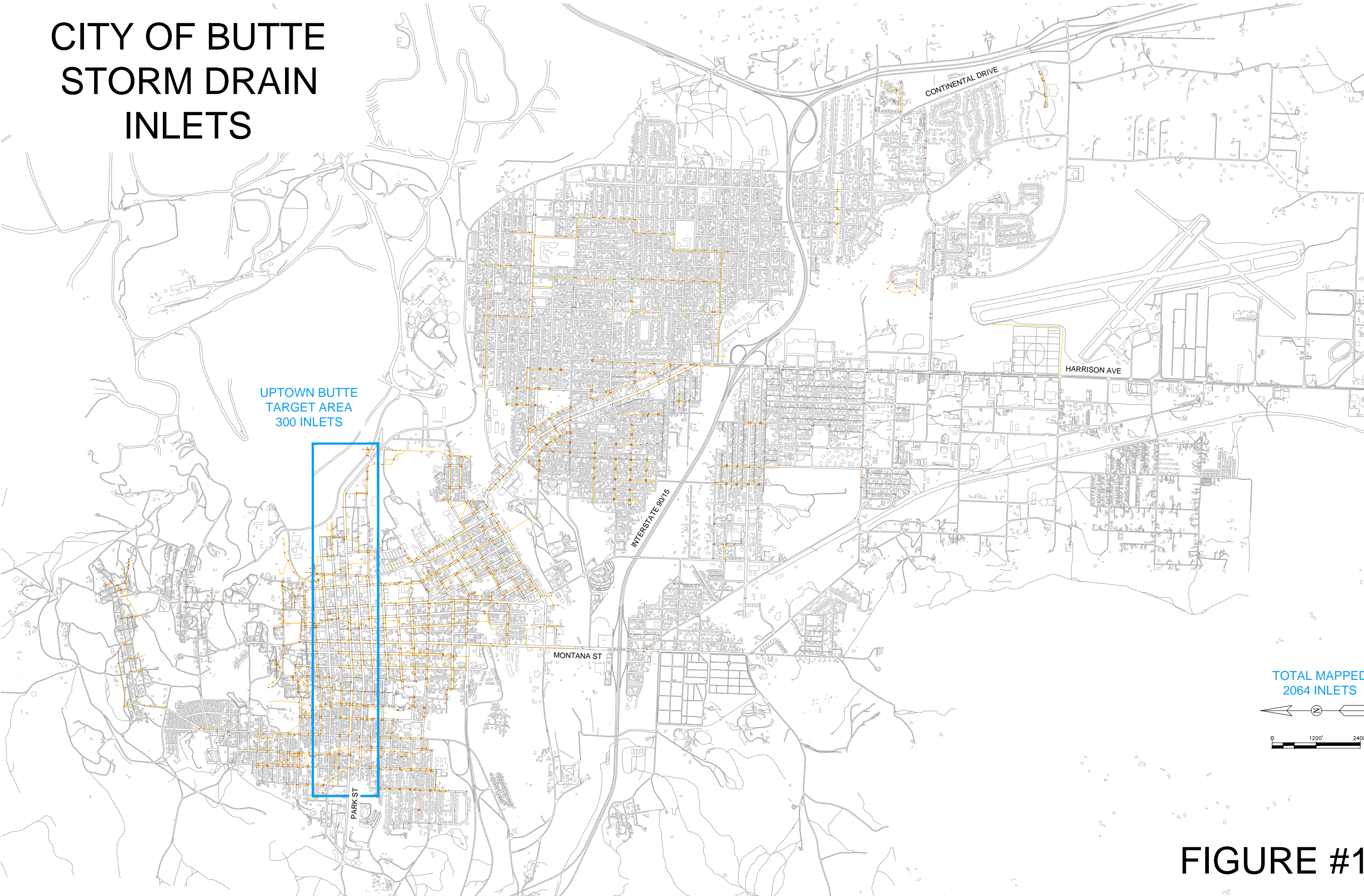


FIGURE #1