#### NOTICE OF INTENT

### FOR DISCHARGERS OF STORMWATER RUNOFF

ASSOCIATED WITH REGULATED SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS AUTHORIZED UNDER NPDES GENERAL PERMIT ARR040000

I.	PERMITTEE INFORMATION New Z Rene	ewal [ (Permit Tracking Number ARR04 )	
	Regulated Small MS4 Name: City of Mountain Home	Owner Type:	
	Mailing Address: 780 South Hickory	□FEDERAL □ STATE	
	Actual Street Address:	DPUBLIC DOTHER MUNICIPALITY	
	City: Mountain Home	Urbanized Area	
	State: AR Zip: 7265	County(ies): Payler	
	Enter the Latitude and Longitude of the approximate center of the Small MS4 (A map must be included.):		
	Small MS4 Latitude: 36 degrees 272 minu		
100700000000000000000000000000000000000	Small MS4 Longitude: -92 degrees 23 minu	tes 12.46 seconds	
II.	PERMITTEE CONTACT INFORMATION		
	Name: Gra Hand	Telephone: 8 10.425.2550	
	Title: Building Department Director Emai	il Address: a ffande cituatimentainhame	
III. INVOICE MAILING INFORMATION			
	Invoice Contact Person: Lauren Coley	City: Mountain Home	
	Invoice Mailing Company: MH Street Diwitment	State: AL zip: 72153	
	Invoice Mailing Address: 2903 Highway 201 North	Telephone: \$ 10 - 425-4708	
IV. CERTIFICATION OF PERMITTEE (See Part 5.7 of the general permit)			
	For a municipality, State, Federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of Part VI.H of the general permit, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA).		
	"I certify that the cognizant official designated in this Notice of Intent is qualified to act as a dully authorized representative under the provisions of 40 CFR 122.22(b). If no cognizant official has been designated, I understand that the Department will accept reports signed by the applicant. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."		
	Responsible Official Printed Name:	Title: Mayor	
	Responsible Official Signature:	Date: 12/15/2016	
V.	COGNIZANT OFFICIAL DESIGNATION (Optional)		
	Cognizant Official Printed Name:	Title:	
	Cognizant Official Signature:	Date:	
	Telephone	Email	
VI.	PERMIT REQUIREMENT VERIFICATION		
	Submittal of Complete NOI? Yes No	Submittal of MS4 map? Yes No	
	Submittal of Complete Stormwater  Management Program? Yes No	Submittal of 19154 map: Tes No	

## City of Mountain Home Arkansas

# Stormwater Management Plan

#### **Background and Context**

The City of Mountain Home Stormwater Management Plan (Plan) has been developed to provide policy and management guidance for activities affecting stormwater throughout the City of Mountain Home. This plan is intended to assist in fulfilling State and Federal water quality requirements. Implementation of these policies and best management practices is intended to help protect the quality of stormwater that is discharged to local streams and waterways, and to develop and preserve the storm drainage infrastructure of the City of Mountain Home (City).

#### **Purpose**

The purpose of the Plan is to describe the City's stormwater drainage system, including both the open and piped systems, their connections to the streams, and the overall condition of the system. This description will provide baseline information used to develop focused stormwater management strategies. Furthermore, the plan will define the goals, policies, and best management practices necessary to achieve the City's long term objectives and to meet State and Federal regulatory requirements in a way that is understandable to the public and usable by the City's staff. The plan establishes a means for measuring, reporting, and managing the City's water resources by presenting benchmarks that will ensure meaningful progress, as well as ensuring compliance with applicable laws and permit requirements.

This document is a compilation of programs, ordinances, regulations, procedures and information that will now be used as the guidance document for the City 's Stormwater Management Program (SWMP) as required under the Regulated Small MS4 General Permit. Due to the nature of assembling material such as this, redundancy and ambiguity may exist within this document. If any part of this document is unclear, please contact the City of Mountain Home for clarification at 870-425-2550. This document or portions within may be modified when necessary.

#### Description of Permit Area

The City currently serves a population of 12,488 people within its borders as of the 2010 Census. The geographic boundaries of the MS4 Plan are the city limits encompasses approximately 23 square miles. The City has authority and responsibility for planning, building, operating, maintaining and regulating the stormwater drainage systems within the city limits. This area includes the upper portions of Dodd Creek and Indian Creek and their tributaries. The City's stormwater management practices will include cost-effective and efficient methods that will reduce or eliminate stormwater pollution and protect the riparian areas of these open waterways.

#### Overview of Mountain Home's Stormwater Drainage Systems

Stormwater in the City of Mountain Home drains towards various tributaries throughout the Dodd Creek and Indian Creek watersheds. Both Dodd Creek and Indian Creek drain into the White River. Approximately 60% of the City's neighborhoods are drained by road side ditches, with the remainder drained by curbed and guttered streets with underground drainage systems. Periodic clearing of brush and debris from the City's open storm drains is conducted by the City's Street Department Maintenance Crew.

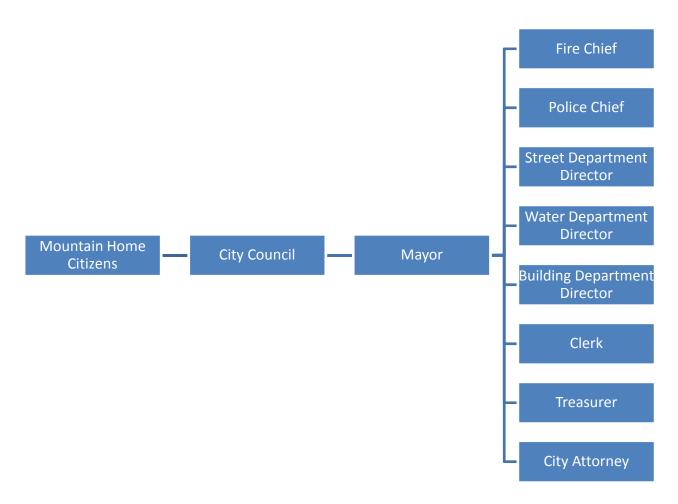
#### Area of Focus

The Stormwater Plan addresses stormwater quality management policies and management practices that are, and/or will be implemented in the City. The scope of the Plan is determined primarily by the Federal MS4 Permit requirements, but addresses local water resource issues as well. These areas of focus in the Stormwater Plan include:

- Pollution incidents and unlawful (illicit) discharges to the City's stormwater drainage system. These discharges can be recurring or occasional discharges, and include pollutant runoff from parking lots, discharges from industrial outfalls, accidental spills, poor construction site management, and incorrect dumping practices into street gutters or catch basins by City residents.
- On-Site management of stormwater to reduce the quantity of stormwater and pollution entering the drainage system. Similar to illicit discharges, events that cause flooding, system surcharges, or ongoing pollutant loading can originate from a variety of causes. These include inadequacies in the type and design of infrastructure, inadequate maintenance, insufficient erosion and/or sediment control practices, and increases in impervious area without provision for on-site retention and infiltration of stormwater into the ground. The City regulates these issues through implementation of various Codes and Ordinances including, but not limited to, the Municipal Code, Subdivision Regulations, and the Flood Damage Prevention Code within the City's jurisdictional boundaries.
- Reduction and prevention of pollution at City facilities and resulting from City activities
  and business practices. The City provides services with a potential for creating water
  pollution, erosion, and sedimentation. These include activities such as road
  construction, sewer and water line repair and replacement, ditch cleaning and
  maintenance activities, as well as activities at City facilities, such as vehicle washing and
  maintenance. The Federal NPDES Stormwater Program requires the City to implement
  pollution prevention practices that reduce or eliminate stormwater pollution from City
  activities and regulate the activities of businesses and residents to the extent allowable
  by law. As the regulatory entity, it is imperative that the City lead by example in areas
  where similar practices and behaviors from residents and businesses are required.
- Public education geared toward broad community stewardship of water resources. The Federal NPDES Stormwater Program places significant emphasis on public education as

- part of the long-term solution to stormwater pollution. As such, public outreach and education are required elements of the Stormwater Plan. The long-term success of the City's efforts will hinge on increased awareness and stewardship throughout the community. The Stormwater Plan will result in formal educational outreach efforts that are targeted at a broad audience throughout the area.
- Public awareness and involvement in the City's Stormwater Management Program.
   Broad awareness and participation in the development and implementation of the Plan by residents and local area businesses is a key component to ensure effectiveness of the Plan. The Plan includes a public involvement component in its development that meets the Federal NPDES program.
- ADEQ-required Municipal Separate Storm Sewer System (MS4) Plan elements. The NPDES Stormwater Program requires that the City submit a MS4 Plan in order to acquire a MS4 permit to legally discharge stormwater to the water of the U.S.

## City of Mountain Home Organizational Chart



The Building Department is responsible for the management and implementation of the City's SWMP Plan and MS4 Permit programs. The Building Department will have the assistance of the Police and Fire Departments in enforcement of the BMP's designated in the Plan. The Street Department will assist the Building Department in implementation and maintenance of the BMP's designated in the Plan.

The current Building Department Director is:

Greg Ifland 720 South Hickory Mountain Home, AR 72653 870-425-2550

Implementation of the Six Minimum Control Measures

1. Public Education and Outreach on Stormwater Impacts

#### Permit Requirements:

Regulation 40 CFR 122.34(b)(1): "The permittee must implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff."

#### Applicable BMPs:

- A. Stormwater information distribution to the general public: The <u>City of Mountain Home</u> will provide and/or distribute brochures and/or fact sheets from ADEQ or USEPA to developers, builders, realtors, the Chamber of Commerce, and residents of the City of Mountain Home. The City will also provide this information to educators and special interest groups for use at Earth Day events and similar educational programs.
  - Time to Implementation: One year to design and review documentation. Two to five years for distribution.
- B. Storm drain marking: The City of Mountain Home will purchase storm drain inlet markers to be placed on storm inlets within the City's downtown business district and other high traffic commercial and/or industrial areas. The City will contact local Boy and Girl Scout Troops, or other appropriate organizations, to assist with the installation of the markers to further emphasize the City's stormwater protection programs, as the media would also be invited to the event. Examples of these markers are included in the supporting documentation.

Time to Implementation: Three years to implement as time and budget allows.

#### Rationale and Decision Process:

The City's strategy for developing and distributing the public education materials is to start with information such as the most typical sources of pollutants in stormwater runoff and the impacts associated with those pollutants. The information will include simple ways residents can prevent pollutants from entering the stormwater runoff. This information will be available in the brochures and fact sheets that will be distributed in the city. The storm drain marking will be placed in order to remind citizens of the ultimate destinations of the pollutants that enter the drains.

#### 2. Public Involvement/Participation

#### Permit Requirements:

The permittee must, at a minimum, comply with State and local public notice requirements when implementing a public involvement/participation program.

#### Applicable BMPs:

A. Create a stormwater hotline: The City will create a storm water hotline for residents to call and report stormwater pollution.

Time to Implementation: One year. The City already has a Code Enforcement contact number that all members of the public are free to contact to report concerns.

B. Conduct public meetings to obtain community input: The City will hold public meetings to discuss the adoption and implementation of the Stormwater Management Program and associated Plan, to inform citizens about storm water management and gain support for and input into the proposed water management priorities and programs.

Time to Implementation: One year.

C. Conduct presentations at local organizations: The City will, if allowed, perform presentations at local civic organization meetings and gatherings.

Time to Implementation: Two years to create presentation documents and media for use at the local meetings and gatherings. Ongoing.

D. Storm drain inlet tagging: As discussed in BMP "B" in the previous section, the City will engage local Boy and Girl Scout Troops, or other appropriate organizations, to assist in the tagging program.

Time to Implementation: Three years to implement as time and budget allow.

#### Rationale and Decision Process:

The City will work to inform citizens that the Code Enforcement Officer number can be used to inform the City of any sources of pollution <u>or pollution events</u> that are witnessed. The public meetings and tagging project, as well as flyers and mailers, will be used to generate public involvement in the process and increase community outreach concerning the actions that affect water quality in the City.

#### 3. <u>Illicit Discharge Detection and Elimination</u>

#### Permit Requirements:

- 1. Develop, implement and enforce a program to detect and eliminate illicit discharges [as defined in 40 CFR §122.26(b)(2)] into the permittee's small MS4;
- 2. Develop a stormwater system map; showing the location of all outfalls and the names and location of all waters that receive discharges from those outfalls;
- 3. To the extent allowable under State or local law, effectively prohibit, through ordinance, or other regulatory mechanism, illicit water discharges into the permittee's stormwater system and implement appropriate enforcement procedures and actions
- 4. Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to the permittee's system;
- 5. Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste; and
- 6. Address the following categories of non-stormwater discharges or flows (illicit discharges) only if the permittee identifies them as significant contributors of pollutants to the permittee's small MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (as defined at 40 CFR §35.2005(20)), uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, de-chlorinated swimming pool discharges, and street wash water.
- 7. The permittee will develop a process to respond to and document complaints relating to illicit discharges.

#### Applicable BMPs:

A. Ordinance: The city has adopted ordinances that establish stormwater pollution prevention and erosion control standards.

Time to Implementation: Complete – The Municipal Code Sections 5.08.02 – Septic Tank Overflows Unlawful, 5.12.01 – Littering Illegal, 10.04.02 Sewer Regulations; Required and Prohibited Connections, 9.16.01 Drainage; Obligations of Citizens (ORD. No. 844 & ORD. No. 93-021 Sec. 1(1)), 9.16.04 Drainage; Erosion Control (ORD. No. 93-022 Sec. 1 & Sec. 2) all provide for stormwater pollution prevention and/or erosion control.

B. Outfall Inventory and Mapping: The City has developed and maintains a map of all stormwater inlets, controls, outlets and locations of receiving waters. The map was created using aerial photography and GPS. Approved construction drawings for new development designs showing streets, inlets and development tie-ins to existing storm drains or outfalls from the development are transferred from the development drawings to the stormwater map. All road reconstruction projects that convert open ditch to curb and guttered streets with underground drainage systems are added to the map as well.

Time to Implementation: One year. The map needs to be edited for.

C. Assess Illicit Discharge Priorities: The City Street Department will collect and review data concerning enforcement activities to determine the types of complaints received and the amount of effort to enforce versus probable water quality benefits and assess the relative benefit of each type of enforcement activity to create a list of enforcement priorities.

Time to Implementation: Five years. Two years will be needed for data collection and evaluation. Years three through five will be used evaluate if new enforcements rules are necessary and to make any necessary adjustments to the Municipal Code and other regulations if new enforcement rules are required.

D. Perform Field Reviews and Site Inspections: The City includes erosion control elements in the building permit procedures and subdivision review and inspection procedures, as per Municipal Code 9.16.01 Drainage; Erosion Control, as well as the Subdivision Regulations and Commercial Building Permit.

Time to Implementation: One year. This BMP is directly tied to the creation of this Stormwater Pollution Prevention Program and Plan.

#### Rationale and Decision Process:

The city will create an ordinance or ordinances to establish the City's regulations and enforcement of the Stormwater Management Plan and MS4 Permit.

#### 4. Construction Site Stormwater Runoff Control

#### Permit Requirements:

The permittee must develop, implement, and enforce a program to reduce pollutants in any stormwater runoff to the permittee's small MS4 from construction activities that result in a land disturbance greater than or equal to one acre. Reduction of stormwater discharges from construction activity disturbing less than one acre must be included in the permittee's program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. For stormwater discharges associated with small construction activity in accordance with 40 CFR §122.26(b)(15)(i), the permittee will develop, implement, and enforce a program to reduce pollutant discharges from such sites. The permittee's program must include the development and implementation of, at a minimum:

- An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State or local law;
- 2. Requirements for construction site operators to implement appropriate erosion and sediment control Best Management Practices;
- 3. Procedures for site plan review and land division that incorporate measures to prevent or control potential water quality impacts;
- 4. Procedures for receipt and consideration of information submitted by the public; and
- 5. Procedures for site inspection and enforcement of control measures.

#### Applicable BMPs:

A. Erosion Control Ordinance: The City has written ORD. 93-022 to establish Stormwater Pollution Prevention and Erosion Control Standards.

Time to Implementation: Complete.

B. Flood Damage Prevention Ordinance: The City has written ORD. 2010-30 that establishes a Flood Damage Prevention Code.

Time to Implementation: Complete.

C. Staff Training: The City will offer at least one orientation and training session annually to involve City employees so that they can understand and perform their role in the program adequately.

Time to Implementation: Two years to create the training program and initiate training sessions.

D. Field Inspection: Field inspections are performed to ensure compliance with the City's ordinances and other applicable rules and regulations.

Time to Implementation: Ongoing. Field inspection schedules are built into the City's Subdivision Regulations (ORD. 97-026, Sec. 1) and the Commercial Building Permit.

E. Site Plan Review: The City Subdivision Regulations (ORD. 97-026, Sec. 1), including the Parking Lot Regulations (ORD. 97-30), and the Commercial Building Permit provide procedures for site plan and land division reviews that incorporate measures to prevent or control potential detriments to water quality and provide for stormwater retention.

Time to Implementation: Complete.

F. Provide Sample Site BMPs: Sample BMP specifications, details, and inspection reports will be provided to contractors, builders or other interested parties on request.

Time to Implementation: Two years. Samples of inspection reports and details will be obtained from the ADEQ General Permit ARR150000 and related documents. The City will develop BMP sample documents.

#### Rationale and Decision Process:

Construction plans that are submitted to the City for approval are reviewed for compliance with the City's Municipal Code, Ordinances and relevant Regulations. Projects are required to have BMPs that help eliminate sediment erosion in stormwater runoff. Large individual developments may be subject to ADEQ construction permitting, but a unified program to reduce runoff pollution in the city is a necessity in order to perform inspections and enforce the existing codes, ordinances and this Stormwater Management Plan.

5. Post-Construction Stormwater Management in New Development and Redevelopment

#### Permit Requirements:

 Develop, implement, and enforce a program to address stormwater runoff from new development and redevelopment projects that disturb one acre or more, including

projects less than one acre if they are part of a larger common plan of development or sale, and discharge into the permittee's small MS4. The permittee's program must ensure that controls are in place that would prevent or minimize water quality impacts;

- 2. Develop and implement strategies that include a combination of structural or non-structural BMPs appropriate for the permittee's community;
- 3. Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under State or local law; and
- 4. Ensure adequate long-term operation and maintenance of BMPs; and ensure adequate enforcement of ordinances and regulations.

#### Applicable BMPs:

- A. Revise Development Review Process: The City review process will be revised and modified to streamline the process in order to provide for a more efficient work environment and provide the public with a better end result of the implementation of all applicable rules and regulations.
- B. Perform Field Evaluations: Each subdivision and individual site will receive a post construction review.

#### Rationale and Decision Process:

Related rationale to Minimum Control Measure #4; in that while the individual developments are still subject to ADEQ construction permitting, a unified program to reduce runoff pollution in the City is a necessity in order to perform inspections and enforcement of the codes and ordinances that will be established.

#### 6. Pollution Prevention/Good Housekeeping for Municipal Operations

#### Permit Requirements:

- Develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations; and
- 2. Using training materials that are available from the ADEQ, EPA, other organizations, or developed in-house, the permittee's program must include employee training to prevent and reduce stormwater pollution from activities including, but not limited to, park and open space maintenance, fleet and building maintenance, new municipal

facility construction and related land disturbances, design and construction of street and storm drain systems, and stormwater system maintenance.

#### Applicable BMPs:

A. Development of a City Stormwater Management Plan: This manual and the BMPs listed will be used by all the city municipal operations.

Time to Implementation: Two years to provide for the review and completion of this document and creation of example BMPs.

B. Annual Training: The City will offer at least one orientation and training session annually to involved City employees so that they can understand and perform their role in the program adequately.

Time to Implementation: On-going.

C. Perform Stream/Ditch Channel Maintenance/Cleaning: The City performs maintenance on selected streams and ditches including removal of debris and trash annually as the budget allows. The City will also conduct dry-weather screening to ensure no illicit discharges are being made.

Time to Implementation: On-going.

#### Rationale and Decision Process:

The City will need to evaluate the operation and maintenance of all the departments that participate in ground disturbance activities. Regular education and training sessions on different requirements and proper techniques on the protection of the waterways and stormwater system in the City are necessary.

## SUPPORTING DOCUMENTATION



http://www.berntsen.com/Utilities/Plastic-Utility-Markers/Storm-Drain-Markers

# Storm Drain Markers - Easy to Install, Difficult to Remove

- Easy installation with adhesive. Just apply some to the back of the marker and attach to curb. Adhesive requires no mixing.
- Storm drain marking helps in educating the public that most storm drains go directly into waterways untreated. Much more eco-friendly than marking drains with spray paint.



• Assists in complying with NPDES, 40 CFR 122.26 when used as Best Management Practice in Storm Water Pollution Prevention Plans.

Public education and outreach is part of the NPDES requirement. Storm drain marking is an established method of involving the public and increasing community awareness about non-point source pollution.



Unfortunately storm drain marking using spray painted stencils is messy, time consuming, and contradictory to the environmental message being presented (it eventually washes down the "protected" drain). It's also ultimately quite expensive as it must be re-done every couple of years.

Our storm drain marker is the only performance proven alternative available.

The 4" Duracast Storm Drain Marker is easy to install and difficult to remove. It is made from a .030 proprietary white plastic with UV inhibitors and a layering of materials for

flexibility and impact resistance. The printing is on the face of the material which is then covered with a layer of UV clearcoating for UV and abrasion resistance. Finally a polyurethane "dome" is applied to the face of the marker. This optically clear, self-healing, non-yellowing Duracast surface protects against mechanical and chemical abrasion. The Duracast surface effectively doubles U.V. resistance as well.

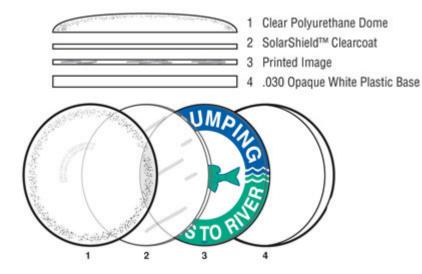
Custom designs available. Contact the Berntsen Customer Service Team at surveymark@berntsen.com or 1-800-356-7388 for details.

## **Duracast Style Markers**

**Abrasion & UV Resistant** 

The das Duracast Curb Marker is made from a .030 opaque white plastic. This proprietary material contains U.V. inhibitors and a layering of materials for flexibility and impact

resistance. The printing is on the surface of the material which is then covered with the SolarShield clear coat for added U.V. resistance. Finally a polyurethane "dome" is applied to the face of the marker. This optically clear, self-healing, non-yellowing, Duracast surface protects against mechanical and chemical abrasion. The Duracast surface effectively doubles U.V. resistance as well.



## **Duracast Weatherometer Info**

Winona State University/Composite Materials Technology Center - 3/2/98

Tested: Duracast style das Curb Marker. Stock Titles all colors reflective & non-reflective. Testing Mechanism: QUV Weatherometer

Cycle: 4 hours UVA at peak emission at 60°C followed by 4 hours of condensation at 50°C. Duration: 2,000 hours.

Results Summary: "The test duration of the das Curb Marker is equivalent to 30 years of outside exposure."

"None of the exposed Duracast samples showed any signs of fading when compared to unexposed samples and the Duracast finish did not yellow or cloud."

"None of the exposed samples showed any signs of cracking."

## **Storm Drain Markers**



**Prices** 

\$9.55

10 - 24

\$6.15

25 - 49

\$4.55

50 - 249

\$3.75

250 - 499

\$3.15

500 or more

<u>DAS-SDMC - 4" Round Storm Drain Markers Twelve designs to choose from.</u> Order Now More Info



Prices

\$9.55

10 - 24

\$6.15

25 - 49

\$4.55

50 - 249

\$3.75

250 - 499

\$3.15

500 or more

DAS-SDMR - 3" x 5-1/4" Storm Drain Markers Ten designs to choose from. Order Now More Info



Prices

\$8.50

1 - 11

\$8.00

12 or more

RS-2225 - 5oz. Adhesive Squeeze Tube (approx. 30 markers) Order Now More Info



Prices

\$14.30

1 - 11

\$13.30

12 or more

RS-22211 - 11oz. Adhesive Cartridge (approx. 60 markers)

Order Now More Info

