



TOWN OF GUADALUPE
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TOWN OF GUADALUPE

**STORMWATER
MANAGEMENT PROGRAM
(SWMP)**

**FOR FULFILLING THE REQUIREMENTS OF THE
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)
GENERAL PERMIT**

**SUBMITTED TO:
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER PERMIT SECTION
1110 WEST WASHINGTON ST
PHOENIX, AZ 85007**

**BY:
TOWN OF GUADALUPE, MARICOPA COUNTY, ARIZONA**

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ABBREVIATIONS / ACRONYMS

| | |
|--------|--|
| AAC | Arizona Administrative Code |
| ACDC | Arizona Canal Diversion Channel |
| ADEQ | Arizona Department of Environmental Quality |
| ATD | Authorization to Discharge |
| AZPDES | Arizona Pollutant Discharge Elimination System |
| BMP | Best Management Practices |
| CFR | Code of Federal Regulations |
| CWA | Clean Water Act |
| EPA | Environmental Protection Agency |
| ERP | Enforcement Response Plan |
| FCDMC | Flood Control District of Maricopa County |
| GIS | Geographic Information System |
| HHW | Household Hazardous Waste |
| IDDE | Illicit Discharge Detection and Elimination |
| IC | Illicit Connection |
| ID | Illicit Discharge |
| LID | Low Impact Development |
| MCM | Minimum Control Measure |
| MEP | Maximum Extent Practicable |
| MPA | Municipal Planning Area |
| MS4 | Small Municipal Separate Storm Sewer System |
| MSGP | Multi Sector General Permit |
| NOI | Notice of Intent |
| NOT | Notice of Termination |
| NPDES | National Pollutant Discharge Elimination System |
| O&M | Operation and Maintenance |
| SOP | Standard Operating Procedure |
| SPA | Special Planning Area |
| SWMP | Storm Water Management Plan (also referred to as a Storm Water Management Program) |
| SWPPP | Storm Water Pollution Prevention Plan |
| TMDL | Total Maximum Daily Load |
| USGS | United States Geological Survey |

Introduction

The purpose of this Stormwater Management Program (SWMP) is to fully adhere to the Arizona Department of Environmental Quality (ADEQ) general permit (AZG 2002-002) for the discharges of Stormwater from the Town of Guadalupe's Municipal Separate Storm Sewer System (MS4). The Town of Guadalupe intends to discharge under the aforementioned permit and has accordingly completed the Notice of Intent (NOI) and the present SWMP in accordance with Part III and Part IV of said permit. The intention of the Town is to have implemented all the practices found in this SWMP on the dates shown throughout this SWMP. This SWMP will be reviewed and updated annually per ADEQ guidelines.

The Town of Guadalupe sits on an area less than one square mile surrounded on the west by the I-10 Freeway and the City of Phoenix; on the north, east and south the Town is surrounded by the City of Tempe. About 6,000 people call the Town of Guadalupe home.

The Town's record in matters of Stormwater management has been spotty at best. With the elaboration of this SWMP and its subsequent application and record-keeping, the Town intends to rectify matters.

The Town no longer has any live wells. It obtains water via an agreement with the City of Tempe. The city of Tempe also provides sewer services to the Town. Restaurants and other businesses are regulated by Maricopa County and ADEQ.

At the time of this writing, the Town is working on the language to enact an ordinance that will provide a legal framework to all the issues herein presented. The Town is confident that, in spite of having but a small workforce, it will be able to implement and enforce the matters presented in this SWMP in such a way to avoid being out of compliance again in the future.

Stormwater Management Program

The Town has evaluated the permit requirements for the six minimum control measures specified in Part V.B. of the general permit. Based on that review, the Town has selected best management practices (BMPs) for each control measure that the Town believes will accomplish the goal of reducing pollution from stormwater runoff to the maximum extent practicable (MEP).

The Town has identified dates by which implementation of each BMP will begin, targeted completion dates for full implementation of each BMP, measurable goals and responsible persons for each action.

The plan is presented by Minimum Control Measures as listed in Part V.B. of the Arizona General Permit and is broken down by Control Measures.

TABLE 1.1

Public Education and Outreach on the Impact of Stormwater: BMPs and Measurable Goals.
 The Town of Guadalupe will implement a public education program to disseminate educational materials related to the impact of stormwater discharges and the various ways the general public can assist in the effort, as follows:

| Permit Condition | BMP | MEASURABLE GOALS | START DATE | TARGET DATE IMPLEMENTATION |
|---------------------|--|--|---|--|
| Part V.B.1.a | 1. Develop a presentation on stormwater pollution prevention, present it to Town Council. Inform Council an Ordinance is being worked on for consideration and approval. The target date for submittal to Council will be December 22 nd , 2016. In the meantime, the Town will use funds from the General Fund to finance activities. | Presentation to Council Present the new Ordinance for Council's adoption | September 2016 September 2016 | January 2017 |
| Part V.B. 1.a | 2. Develop/distribute flyers on stormwater pollution prevention practices to landlords, businesses and schools. Those will available at the public library as well. Install signs on retention basins alerting residents not to throw trash. Install trash receptacles on retention basins. | Design flyers Distribute flyers Purchase/Install signs Purchase/Install Trash receptacles | June 2016 September 2016 May 2017 May 2017 | September 2016 Continued Annually June 2017 June 2017 |
| Part V.B. 1.a | 3. Obtain educational materials on stormwater pollution prevention practices. The material will contain the name and phone number of the Town | Obtain materials Distribute materials by means of mass | June 2016 | September 2016 |

| | | | | |
|---------------|---|---|--|---|
| | employee to whom questions and concerns can be directed. | mailings. Make them available at the Town's offices. | | Continued Annually |
| Part V.B. 1.a | 4. Develop and provide information in an easy-to-read language for distribution to youth groups at Boys and Girls Club and Community College. | Acquire material Distribute material, record dates | February 2017 May 2017 | May 2017 Material distributed annually. |
| Part V.B. 1.a | 5. Develop pollution prevention educational material suitable for a teacher to present to elementary school students in the classroom. | Develop/acquire material; discuss with school. Have teachers present the material; record presentation dates | January 2017 April 2017 | May 2017 Material presented twice per year. |
| Part V.B.1.a | Create a 'Stormwater Corner' at the Town Hall office where residents and visitors can see educative posters informing the public of the benefits of following stormwater guidelines and preventing littering, among others. Additionally, make this SWMP available to the general public by posting it to the Town's web page. | Acquire suitable material. Choose a convenient display location at Town Hall. Coordinate the work with the Town's IT manager. | June 2016 September 2016 February 2017 | September 2016 Display updated yearly Updated as needed |

TABLE 1.2

Public Education and Outreach: Additional Information

| Permit Citation | Additional Information |
|-----------------------|---|
| Part V.B.1.b.i | Distribution of flyers and other informational material to homeowners, Pascua Yaqui offices, landlords and businesses. The material will also be available at Town Hall and the Public Library. There will be a presentation to Town Council. Beginning in the fall of 2017 the presentations will be done annually to the Town Council and twice per year at the elementary school. |
| Part V.B.1.b.ii | The distribution of flyers and other educational material will be sent to homeowners, landlords and businesses (in mass mailings with the newsletter and/or by hand delivery). The literature will be available at Town Hall, the Public Library, the Pascua Yaqui Tribal Office and the two youth organizations. |
| Part V.B.1.b.iii | The target audience for the education and implementation of the SWMP consists of the Town residents and businesses. According to the 2010 Census the population is 5,523. There are 51 businesses and 400 landlords in the Town. The most likely targets are plant debris, empty bottles and cans, food wrappers, discarded furniture, various household items and discarded tires. |
| Part V.B.1.b.iv | The Town plans to approach this effort vigorously. It is expected that at the end of any given year the Town of Guadalupe's SWMP education and outreach efforts would have reached about 95% of homes, landlords and business operators. Business include one gas station, car wash, restaurants, recycling sites, hotel, retail, other, for a total of 51 business. |
| Part V.B.1.b.v and vi | Please see Table 1.1 for the applicable dates of beginning and achieving the various goals. |
| Part V.B.1.vii | In order to ensure continuity of compliance there will be one person directly responsible for the enforcement of the SWMP, one assistant and one person in charge of field operations, as follows: The Interim Town Manager, Bob Thaxton (480.505.5367) will be directly in charge; the Town's Director of Development, Nancy Holguin (480.505.5363) will be assisting, and the person responsible of field operations will be the Town's Building Inspector, Marc Stern (602.618.1084). To provide an effective service and have qualified personnel, capable of educate the Town's workforce, the Building Inspector, Marc Stern, has taken the NPDES coursework to become a Certified Stormwater Inspector. Mr. Stern obtained his certification in August 2016. |

Table 2.1**Public Involvement and Participation**

The Town of Guadalupe will develop a plan to encourage public involvement and participation in the implementation of the SWMP. The aim of the plan will be to make the public a stakeholder throughout.

The Town will comply with all applicable state and local public notice requirements when implementing the public participation and involvement program.

| Permit Citation | Best Management Practices | Measurable Goals | Start Date | Target Date Implementation |
|-----------------|--|---|------------|-----------------------------|
| Part V.B.2.a | 1 The Town Council, being kept up-to-date with the effort, will serve in the capacity of Advisory Body. | Approval of BMPs and annual updates. | March 2017 | Annually |
| | | Developing/approving a budget for BMPs enforcement. | April 2017 | Annually |
| | | Assess the adequacy of funds allocated for current year. | April 2017 | Annually |
| Part V.B.2.a | Create volunteer groups and organize activities such as trash collection and distribution of flyers. The Building Inspector, Marc Stern, with the support from the Town management, will head this effort. | Count the number of volunteer groups and how many members in each. Keep record of activities. Take pictures. | March 2017 | Spring and Fall, every year |
| Part V.B.2.a | Invite Pascua Yaqui Tribal management to educate Tribal members. Elicit suggestions for improvement of the plan. | Record the number of presentations and members attending. Keep record of suggestions. | March 2017 | Annually |
| | Encourage reports of stormwater and non-stormwater pollution issues. | Make blank reports available. Record the number of reports submitted | March 2017 | Annually |

Table 2.2

Public Participation and Involvement: Additional Information

| Permit Citation | Additional Information |
|-------------------------------|--|
| Part V.B.2.b | The Town of Guadalupe will fully comply with state and local public notice requirements when implementing the public involvement and participation program. |
| Part V.B.2.c.i | <p>The Town Mayor and Council will be key players in guiding and approving all activities related to public participation and community involvement. Given the neighborhood nature of the Town, it is fully expected that the majority of the residents will respond positively to input from Council members and the Mayor's office.</p> <p>The intent of the Guadalupe SWMP is to reach out to adults and children in youth organizations, as well as residents and business. The Town Council will be encouraged to elicit continued participation from the residents. The Council members will be invited to share their experiences in reaching out to friends, relatives, neighbors.</p> |
| Part V.B.2.c.ii | <p>Calle Guadalupe divides the Town into North and South, while Avenida del Yaqui divides the Town into East and West; effectively creating four quadrants. The Town will organize annual volunteer cleanup activities for each one of those quadrants.</p> <p>The participants will be duly informed of the value of their participation. The activities will include stormwater-related items such as gutter cleaning and debris removal.</p> |
| Part V.B.2.c.iii | The Interim Town Manager, the Director of Neighborhood Development and the Building Inspector will be the primary venues for receiving and reviewing public comments. The Town will encourage comments and input from the public as well as notifications of unlawful discharges. The Town will establish procedures to acknowledge and follow up promptly with input or notifications of un-authorized discharges. |
| Part V.B.2.c.iv | The Town staff and Town Council will issue notices as the need arises. Additionally the public will have access to SWMP and NOI through flyers and other educational tools. Said materials will be available at the Town Hall. |
| Part V.B.2.c.v and V.B.2.c.vi | A list of measurable goals and dates for beginning and achieving goals included in Table 2.1. |
| Part V.B.2.c.vii | The interim Town Manager, Bob Thaxton, will be responsible for implementing public involvement and participation activities. The Director of Neighborhood Development, Nancy Holguin, will assist on this. The SWMP activities will be followed up by the Town's Building Inspector, Marc Stern, under guidance of Dibble Engineering, the Town Engineers. |

Table 3.1**Illicit Discharge Detection and Elimination****Part V.B.3.a.i.**

The Town of Guadalupe will develop, implement and enforce a program to detect and eliminate illicit discharges into Guadalupe storm drains and washes exempting, generally speaking, the following:

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| Water line flushing | Lawn watering |
| Landscape irrigation | Residential car washing |
| Diverted stream flows | Street wash water |
| Discharges from riparian habitats and wetlands | Water from crawl space pumps |
| Dechlorinated swimming pool discharges | Footing devices |
| Rising ground waters | Foundation drains |
| Uncontaminated pumped groundwater | Springs |
| Discharges from emergency firefighting activities | Irrigation water |
| Discharges from potable water sources | |
| Air conditioning condensate | |
| Or, | |

Part V.B.3.a.ii.

Occasional incidental non-stormwater discharges (e.g. noncommercial or charity car washes, runoff from landscape irrigation, runoff from exterior washing and other, similar discharges) that the Town does not expect to be the source of significant pollution to its stormwater drainage system because of either the nature of discharges, or conditions the Town has established allowing these discharges (e.g. a charity carwash with appropriate controls on frequency, proximity to sensitive water bodies, BMPs on the fresh water, others). The Town of Guadalupe will identify other incidental non-stormwater discharges and appropriate BMPs in response.

Table 3.1

Illicit Discharge Detection and Elimination

Detection and Elimination: BMPs and Measurable Goals

| Permit Citation | Best Management Practices | Measurable goals | Start Date | Target Date Implementation |
|-----------------|--|--|----------------|----------------------------|
| Part V.B.3.b | <p>The overflow of the existing basins will continue along the historic flow paths and/or bleed off pipes. The north basin uses a bleed off pipe to drain to the existing ADOT storm drain alongside of Interstate 10 and Baseline Road off ramp. The northeast basin outfalls to the west, towards the Highline Canal.</p> <p>A bleed off pipe from the Central Basin discharges into a 24" SRP irrigation lateral along Calle Guadalupe.</p> <p>The south basin will drain east in the direction of the Highline Canal.</p> <p>In the event of a storm, the Town forces will field check the outfalls and bleed off piping, inlets into the basins and will keep/provide field observation records. The Town forces will inspect, monthly, the inlet of each one of the bleed off pipes to prevent clogging.</p> <p>Please see Attachment 1.</p> | The Town's Building Inspector, Marc Stern will conduct monthly inspections of the basins. | February 2017 | Continuous |
| | | Monthly reports of inspections will be prepared. Please see Attachment 2 for an inspection form. | February 2017 | Continuous |
| Part V.B.3.b | The Town of Guadalupe has developed an overall, GIS-based drainage map, showing the existing basins, storm runoff systems, drywell locations, the existing flow routes and discharges. Please see Attachment 1. | Maintaining and updating the drainage map as required | September 2016 | October 2016 |

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|-----------------|---|---|--|-----------------------------------|
| Part V.B.3.c | <p>The Town of Guadalupe is working on an Ordinance prohibiting non-storm water discharges into the established storm drainage and runoff system. The same ordinance will require new construction to practice erosion control, sediment control and to properly and quickly dispose of not-used building materials, packaging materials, chemicals, litter and sanitary waste, among others. Contractors are to set up construction trucks washouts as well.</p> | <p>Develop Ordinance.</p> | Dec. 2017 | March 2017 |
| | <p>The ordinance will address identification and notification of the violator as well as punitive measures, as noted on the Ordinance. To that effect the Town will conduct monthly inspections of the public areas. Please see Attachment 2 for a blank form of the 'Monthly Report on Public Areas'.</p> | <p>Notify public of the implications of the ordinance.</p> <p>Keep appropriate records. This task will be the responsibility of the Town Building Inspector, currently Marc Stern</p> | <p>As outlined in Section 1</p> <p>February 2017</p> | <p>Annually</p> <p>Continuous</p> |
| Part V.B.3.d | <p>A Detection and Identification of sources of non-stormwater discharges will be executed jointly by Town forces, the Fire Department and, to some extent, the police.</p> <p>To the extent practicable, the Town will use available educational materials to inform the public utilizing public domain publications such as: 'Illicit Discharge Detection and Elimination A Guidance Manual for Program Development and Technical Assessments'.</p> | <p>Report and keep record of discharges identified as well as the corrective measures taken.</p> | March 2017 | Annually |
| | <p>The public will be encouraged to supplement the Town's efforts and to notify the Town of any non-stormwater discharges by phoning in or filling a report titled 'Public Report', please see</p> | <p>Follow up and keep records of discharges reported by the public.</p> | March 2017 | Continuous |

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|--------------|--|---|--|---|
| | <p>Attachment 2 for a blank form.</p> <p>The Town will determine whether further follow-up investigation is warranted. The Town will keep detailed records of any and all discharges for a minimum of 5 years. The Town Building Inspector, currently Marc Stern will be at the forefront of this activity.</p> | Providing a phone number to the public to make reports. | March 2017 | Continuous |
| Part V.B.3.e | <p>The Town Building Inspector, Marc Stern, as a Certified Stormwater Inspector will give seminars to Town forces on matters such as the hazards associated with illegal discharges and improper disposal of waste. The public will also be invited.</p> <p>Through its website the Town will make available to the residents the publication 'Illicit Discharge Detection and Elimination A Guidance Manual for Program Development and Technical Assessments'.</p> <p>As needed, the Town will seek assistance from ADEQ on these matters.</p> <p>The Town will routinely mail letters to neighbors who do car repairs on their driveways, or on the street, advising them of the possibility of penalties associated with this type of activity.</p> <p>The Interim Town Manager, Bob Thaxton will head this effort assisted by the Building Inspector and Dibble Engineering, Town Engineer.</p> | <p>Gathering educational material to make presentation to Town forces and to residents.</p> <p>Upload publications into the Town's website.</p> <p>Mail flyers to residents.</p> <p>Send letters to offenders</p> <p>Keep record of speakers and attendees.</p> | <p>March 2017</p> <p>February 2017</p> <p>February 2017</p> <p>October 2017</p> <p>February 2017</p> | <p>Annually</p> <p>Continually</p> <p>Annually</p> <p>As Needed</p> <p>Annually</p> |
| Part V.B.3.f | <p>Town staff, in conjunction with the Fire Department will conduct 'dry weather' field screening on a monthly basis, focusing particularly on ditches, depressed areas, parks and other areas where water can concentrate.</p> <p>If the screenings were to identify potential illicit discharges the Town staff</p> | See measures in Part V.B.3.d | January 2017 | Monthly |

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| | <p>will perform a follow-up investigation/visit to study the situation, to try to determine the source and to take appropriate action to remedy the situation.</p> <p>Town staff will file a monthly report of the visits with notations of action taken when needed. Please see a blank report in Attachment 2.</p> <p>The Town forces will do monthly inspections of the four retention basins and their inlet/outlet facilities.</p> | <p>File a monthly report using a blank form as shown on Attachment 2, Monthly Basin Inspection.</p> | <p>January 2017</p> | <p>Monthly</p> |
| | <p>The Town staff will inspect the Town's Maintenance Yard to ensure the BMPs as outlined on the Yard's SWPPP are in place and functioning. Please see Attachment 2 for a blank form of the Report on Maintenance Yard.</p> <p>Per consultations with ADEQ, it has been determined that the Maintenance Yard does not require its own MSGP, instead the Yard will managed under the Town's MS4 Program.</p> | <p>File a monthly report using a blank form as shown on Attachment 2, Monthly Basin Inspection.</p> | <p>May 2017</p> | <p>Monthly</p> |

Table 3.2**Illicit Discharge Detection and Elimination**

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|-----------------------|---|
| Part V.B.3.g.i | The Town will rely on observations from staff and, to some extent, public reporting for the monitoring of illegal discharges. The Town will provide training to its force, including the Fire Department and, to some extent, the police. |
| Part V.B.3.g.ii | <p>Currently the Town does not have an ordinance addressing illegal discharges. The Town is currently working on the creation and enacting of a thorough regulatory ordinance as previously described in Part V.B.3.c.</p> <p>The stormwater ordinance will place restrictions on illicit discharges, construction site waste and runoff, post-construction, and long term operations.</p> <p>The ordinance will establish fines and other civil procedures to effectively penalize repeat offenders.</p> |
| Part V.B.3.g.iii | This SWMP establishes the Town's formal policy for regulating stormwater, illegal discharges and illegal dumping. The appropriate measures to enforce the policy will be contained in the Ordinance the Town is currently working on. Attachment 1 provides an overall map showing the Town's jurisdictional boundaries for inspections and enforcement. |
| Part V.B.3.g.iv and v | <p>The Town considers the discharges listed in Part I.C.2 of the Permit to be allowable, non-stormwater discharges. These discharges will be allowed within the small MS4 unless circumstances were to dictate they were significant contributor of pollutants to the MS4. Per Part V.B.3.a.i. The Town will respond to any complaints from residents in this regard.</p> <p>The Town considers non-commercial, school-related, or charitable events such as charity car washes to be insignificant contributors of pollutants and consequently, these discharges are not prohibited. Per Part V.b.3.a.ii. The Town will respond to any complaints from residents in this regard.</p> |
| Part V.B.3.g.vi | Most training will be provided at the Town Hall by the Town's Building Inspector, Marc Stern, a Certified Stormwater Inspector. Visual aids such as videos and still pictures will be utilized to emphasize the presentations. There will be printed informational material available at the Town's offices as well as in the public library. The Town will also inform the staff about the proper means to handle information about illicit discharges. |
| Part V.B.3.g.vii | The public will be informed of the hazards associated with illegal discharges and improper waste disposal through flyers, literature available at the library, the Town's website and Town Hall presentations as previously described. As mentioned in Part V.B.1.a, the Town will set up a 'Stormwater Corner' at the |

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| | municipal offices where residents can see posters related to the importance of controlling and preventing illegal discharges. |
| Part V.B.3.g.viii and ix | A comprehensive list of measurable goals and dates to achieve them is included above, in Table 3.1 |
| Part V.B.3.g.x | <p>The Interim Town Manager, Bob Thaxtton, 480.505.5367, will be in charge of overseeing the activities, assisted by the Community Development Coordinator, Nancy Holguin, 480.505.5363.</p> <p>The day-to-day discharge detection, elimination activities and reporting will be the task of the Town's Building Inspector, currently Marc Stern, 480.505.5380, he will be assisted by Fire Chief Wayne Clement, 480.839.1112 and, to some extent, the Sheriff's Representative, 602.876.1011. The Town Attorney, David Ledyard 623.932.0430, will be involved when situations demand his counsel.</p> |

Table 4.1**Construction Site Stormwater Runoff Control**

| Permit Citation | Best Management Practice | Measurable Goals | Start Date | Target Date Implementation |
|------------------|--|---|--|----------------------------|
| Part V.B.4.a | Per Ordinance, the Town will require a Storm Water Pollution Prevention Plan as a condition of permitting. The plan will be reviewed by the Town Engineer (currently Dibble Engineering) or by Town forces. Also required will be the submittal of a Notice Of Intent (NOI) to ADEQ. No SWPPP will be required for construction sites of less than one acre in size, unless the site is less than one acre but is, at the same time, part of a larger project that will disturb one acre or more. | Ordinance in place. Records of SWPPPs approved Proof of submittal of NOI to ADEQ Recording of permits issued. | January 2017 January 2017 January 2017 January 2017 | April 2017 |
| Part V.B.4.b & c | Per upcoming ordinance, the Town will require from developers to submit a Stormwater Pollution Prevention Plan that will include BMPs for the management of the construction site prior to beginning of construction as a condition of permitting. The SWPPP will require a combination of structural and non-structural BMPs applicable at the time of permitting. The Town, or the Town's Engineer will review the SWPPP for compliance then, upon proof that the developer has submitted a NOI to ADEQ, a grading permit will be issued. All the above applies to sites of over one acre, or to a site less than one acre but that is part of a larger project that will disturb one acre or more. | During pre-construction meetings the contractor will be made aware that a SWPPP will be required Building Permit review form. Review of SWPPPs. | January 2017 January 2017 January 2017 | Continually |

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|--------------|---|---|---|-----------------------------|
| | <p>The Town will review the completeness of the SWPPP as it applies to water quality impacts, erosion and sediment control.</p> <p>Before construction activities the Town will communicate in written whether the BMPs proposed are complete and acceptable, or that improvements are required.</p> | <p>Letter of SWPPP approval to developer.</p> <p>Issuance of Building/Grading Permit.</p> | <p>January 2017</p> <p>January 2016</p> | |
| Part V.B.4.d | <p>The Town will establish a monthly construction inspection policy for developments greater than one acre, or sites less than one acre, but that are part of a larger project that will disturb one acre or more to ensure that the approved BMPs are in place according to the Ordinance.</p> <p>The public will be encouraged to call in to report discharges, dust or other activities they feel are not in compliance. Please see Attachment 2 for a Monthly Construction Inspection Report.</p> | <p>Keeping records of inspection reports.</p> <p>Document corrective action if needed.</p> <p>Keep records of enforcement</p> <p>Keep records Of complaints</p> | <p>February 2017</p> <p>February 2017</p> <p>February 2017</p> <p>February 2017</p> | Monthly During Construction |

Table 4.2**Construction Site Stormwater Runoff Control: Additional Information**

| Permit Citation | Additional Information |
|---------------------|--|
| Part V.B.4.e.i | <p>The Town is currently in the process of developing and passing a Stormwater Management Plan Ordinance by December 2016.</p> <p>The Town will adopt specific restrictions on matters such as erosion prevention, construction trucks wash-out, illicit discharges, floatables, trash and human wastes overall and at a construction sites. Those will be implemented by the Interim Town Manager, Bob Thaxton by March 2017.</p> |
| Part V.B.4.e.ii | <p>The Stormwater Ordinance, to be presented to Town Council by December 2016, will provide the Town with the authority and mechanisms to stop any construction in violation and fine the contractor up to \$2,500 per day for violations, plus cleanup costs.</p> <p>The Ordinance will target not only contractors but residents in general; it contemplates fines of up to \$500 per day per violations.</p> <p>The Stormwater Ordinance will place restrictions on illicit discharges, construction site waste, runoff and post-construction design and long-term maintenance. Please see Part V.B.4.d for more details on the ordinance.</p> |
| Part V.B.4.iii & iv | <p>Prior to the start of construction activities the developer or his contractor(s) will be made fully aware that the Town has in place measures to monitor and enforce the stormwater policies adopted.</p> <p>The procedures for site plan review and site inspections as well as the enforcement of control measures will be part of the Stormwater Ordinance and are included in Attachment 2.</p> <p>The Town, by means of public outreach, will invite the residents to report any construction activities where trash appears to be uncontained; spills reaching the street; construction trucks and any other activities that may seem irregular. The reports could be made over the phone, or by filling a form available at the Town's offices. Please Attachment 2 for a Public Report filled by non-employees.</p> |
| Part V.B.4.v & vi | <p>A list of measurable goals and dates for achieving goals from the beginning of construction activities is presented in Table 4.1</p> |
| Part V.B.4.vii | <p>The Building Inspector, currently Marc Stern (480.505.5380), will be directly in charge of supervising building and construction activities. He will be responsible for the implementation of the practices included related to the Construction Site</p> |

| | |
|--|--|
| | <p>Stormwater Runoff Control.</p> <p>The Building Inspector will seek guidance from the Town Engineer when needed, currently Dibble Engineering, and he (Building Inspector) will report to the Town's Interim Manager, Bob Thaxton, (480.505.5367).</p> |
|--|--|

Table 5.1

Post-Construction Stormwater Management in New Development and Redevelopment: BMPs and Measurable Goals

| Permit Citation | Best Management Practice | Measurable Goals | Start Date | Target Date, Implementation |
|--------------------|---|--|----------------|-----------------------------|
| Part V.B.5.a,b & c | The Town of Guadalupe, by means of its Stormwater Ordinance, will have procedures for policing stormwater runoff from new development and redevelopment for projects equal to, or larger, than one acre; or projects of less than one acre that are part of a larger common project where more than one acre will be disturbed. | Inclusion of guidelines in the ordinance | September 2017 | December 2017 |
| | The guidelines are designed to prevent or minimize unlawful runoffs and dumping of construction-related materials. All the measures and BMPs, will be referenced in the ordinance. | Enforcement of guidelines | September 2017 | December 2017 |
| | The Stormwater Ordinance will include enforceable measures related to the long-term operation and maintenance of post-construction storm water runoff mechanisms, such as retention basins, dry wells, storm drain pipes and other components normally associated with the safe disposal of runoff. | Enforcement Of guidelines | September 2017 | December 2017 |
| Part V.B.5.d | The Stormwater Ordinance will require that builders institute long-term operation and maintenance of BMPs. | Keep signed statement on file. | August 2017 | October 2017 |
| | At change of ownership, the new owner must sign a statement to the effect that the new owner is aware of the long-term operation and maintenance of BMPs, as | Keep inspection records and | October 2017 | Continually |

| | | | | |
|--|---|--------------------------|--|--|
| | required by the Stormwater Ordinance, and will continue with their operation and maintenance. | business license records | | |
|--|---|--------------------------|--|--|

Table 5.2

Post-Construction Stormwater Management in New Development and Redevelopment: BMPs and Measurable Goals

| Permit Citation | Additional Information |
|----------------------|--|
| Part V.B.5.e.i | The Stormwater Ordinance the Town will pass by December 2016 will include post-construction stormwater management measures for both new development and redevelopment. The Town will consult with the Town Engineer, currently Dibble Engineering, on unanticipated matters not specifically addressed by the Ordinance and will amend the SWMP as needed. A matter of particular concern for the Town is that some of the basins are feed by ditches at ground level, the Town will pay particular attention to the cleanness of those and will make sure there are no obstacles to the flow of water. Please see Drainage Map, Attachment 1. |
| Part V.B.5.e.ii | Through the Stormwater Ordinance, to be passed by December 2016, the Town intends to control and place restrictions on illicit discharges, construction site waste and runoff, post-construction runoff design and long-term maintenance. Details on compliance can be seen in Table 5.1. For a copy of the Ordinance, please see Attachment 2. |
| Part V.B.5.e.iii | Compliance procedures, along with penalties, are contained in the Stormwater Ordinance. The Town is reviewing its existing Zoning code to make sure it does not contain anything contrary to the Ordinance. |
| Part V.B.5.e.iv | Public Information and Outreach activities are described on Part V.B.1. Additionally, the Stormwater Ordinance will be published in the Town's website, along with this SWMP and other related information for the general public. Furthermore, stormwater requirements will be explained initially during preliminary talks with developers, at this time the Town will hand out the developer pertinent material related to BMPs. Later on, the Town will follow up with monthly inspections at the construction site. Please see Attachment 2 for an example of the Monthly Construction Site Report. |
| Part V.B.5.e.v. & vi | A list of measurable goals and dates to begin activities and to achieve the goals is included in Table 5.1 |
| Part V.B.5.e.vii | The Building Inspector, currently Marc Stern, with the support of the Interim Town Manager, Bob Thaxton, will directly supervise building, construction inspection and permitting activities. Marc Stern, or his successor, will be responsible for the implementation of the practices included under Post-Construction Stormwater |

| | |
|--|---|
| | Management in new development and redevelopment activities. |
|--|---|

Table 6.1

Pollution Prevention/Good Housekeeping for Municipal Operations
BMPs and Measurable Goals

| Permit Citation | Best Management Practices | Measurable Goals | Start Date | Target Date Implementation |
|-----------------|---|---|---------------|----------------------------|
| Part V.B.6.a.i | Establish a public works and fire department training program on stormwater pollution control measures and techniques, including appropriate handling of non-stormwater discharge and disposal of polluting objects or materials, using training materials from EPA, ADEQ and other organizations. The training will address storage of materials, proper material handling, drainage and drywell cleaning. Training/refreshing courses for public employees would be annually. | Establishing a training program | February 2017 | March 2017 |
| | | Training Implementation | March 2017 | Annually |
| | | Training attendance | March 2017 | Annually |
| Part V.B.6.a.ii | Monthly inspection of the Town's public areas, by Town staff, to reduce floatable or other pollutants in streets, parks and storm sewers. Please see sample of Monthly Report on Public Areas in Attachment 2. The Town does street sweeping weekly. Debris and trash is dumped in containers located at the Town's Maintenance Yard. Waste Management picks up the containers every Wednesday. The containers are not currently covered; staff will be instructed to observe for dust being picked up by the wind, if necessary the Town will request that Waste Management provides appropriate cover. Next to the Town Maintenance Yard there is a private material storage facility separated, | Start of Inspections | March 2017 | April 2017 |
| | | Record of Pollutants found during inspections | March 2017 | April 2017 |
| | | Observe containers, report to the Town | March 2017 | April 2017 |
| | | Installation of proper | April 2017 | May 2017 |

| | | | | |
|------------------|--|---|-------------------------------------|---------------------------------------|
| | <p>from the Town by a chain link fence; it sits at a higher elevation than the Town's yard so, when it rains, debris and mud enter the yard.</p> <p>The Town will request the installation of proper fencing to help keeping the storage yard clean. The Town will request the private facility to set up his own SWPPP.</p> | fencing, and other measures | | |
| Part V.B.6.a.iii | <p>The Town will prepare a SWPPP for the Maintenance Yard to keep runoff/debris from reaching the street.</p> <p>The Town will use waste disposal services to remove any waste. Debris and other materials collected at municipal sites will be taken to dumpsters at the Maintenance Yard from where they will be picked up, on a weekly basis, by Waste Management</p> | <p>Prepare SWPPP</p> <p>Staff and volunteers will remove trash.</p> | <p>March 2017</p> <p>April 2017</p> | <p>Continually</p> <p>Continually</p> |

Table 6.2

Pollution Prevention/Good Housekeeping for Municipal Operations: Additional Information

| Permit Citation | Additional Information |
|-----------------------|---|
| Part V.B.6.b.i | <p>The municipal operations affected by this Operation and Maintenance Program are Public Works, Sanitation, Fire Department, Fleet Maintenance and Building Maintenance.</p> <p>Please note that, currently the Town's workforce is quite minimal. As the Town increases its staff, employees will be assigned to departments that at the moment are served by only one or two employees.</p> <p>Please see Attachment 3 for a chart showing the Town's organization to address SWMP-related activities.</p> |
| Part V.B.6.b.ii | The employee training will include illegal discharges, pollution prevention and dry weather screening. Table 6.1 addresses various aspects of employee training. |
| Part V.B.6.b.iii & iv | A list of measurable goals and implementation dates to achieve the various goals is included in Table 6.1 |
| Part V.B.6.b.v | The Interim Town Manager, Bob Thaxton, will oversee the implementation of this SWMP supported by the Building Inspector, currently, Marc Stern. The Town Engineer, Dibble Engineering will also participate on the development of Pollution Prevention/Good Housekeeping for the Municipal Operations. Marc Stern, Building Inspector, is a Certified Stormwater Inspector, he'll assist training other employees. |

Qualifying State or Local Program

The Town is developing a Stormwater Ordinance in response to the need to apply for a municipal stormwater discharge permit. The target date for presentation to Town Council is December 2016.

Sharing Responsibility

The Town will not share responsibilities with other municipalities at this time.

The Town will be the only party implementing all measures within this SWMP.

Reviewing and Updating the SWMP

The Town will review its SWMP in January of each year starting in January 2018 and evaluate the implementation status of the SWMP components as well as the effectiveness of each component, or combination of components.

The Town will determine how the SWMP needs to be revised. If the SWMP needs to be revised, the Town will notify ADEQ of any additions or changes. If components of the SWMP need to be replaced, the Town will submit to ADEQ the proposed revisions with an explanation of why the existing practice needs improvements and why the replacement is expected to achieve the goals of the management practice.

Monitoring

The Town will evaluate program compliance, the appropriateness of identified BMPs, and progress towards achieving identified measurable goals.

The Town storm sewer system drains towards four points, as shown on the Overall Drainage Map, Attachment No. 1:

1. The North Basin drains towards an ADOT catch basin by Baseline Rd and the I-17.
2. The Northeast Basin drains into the SRP Highline Canal.
3. The Central Basin drains into a 24" RCP Irrigation lateral belonging to SRP on Calle Guadalupe, by the Highline Canal.
4. The South Basin drains into the SRP Highline Canal.

Per consultations with ADEQ, it does not appear there are any impaired non-attaining or OAW that the Town of Guadalupe discharges to or is nearby. Therefore, there are no TMDLs near-by or that are assigned to Guadalupe. The Town will not sample and analyze the discharge from the small MS4 at this time.

Attachment No. 1 also contains Engineering design plans showing the location by latitude/longitude/elevations of the points where the Northeast, Central and South retention basins discharge into the SRP Canal.

The Central retention basin discharges into a 24" SRP irrigation lateral, also shown here by latitude/longitude/elevation.

Due to its small size, the Town of Guadalupe has but one prioritized MS4 facility: the Town's Maintenance Yard, as identified on same Attachment No. 1.

There is no storage of pollutants such as insecticides or fertilizers in any of the parks. There are no bus depots or landfills in Town.

Annual Reports

The Town will submit an annual report to ADEQ by September 30, 2017 covering the activities of the Town during the period beginning on the effective date of the permit and ending on June 30, 2017.

Starting in 2018, the Town will submit additional annual reports by September 30 of each year for the preceding period of July 1, 2017 through June 30, 2018. The Town will report on the information required in Part V/G of the permit.

Please see Attachment 2 for a copy of the Small MS4 Annual Report.

Attachment 2 - Site Inspections and Review of Proposed Development Plans

The Town will inspect construction sites after receipt of the NOI submitted to ADEQ.

If at the time of inspection, if there are any stormwater infractions, the Town will refer these non-compliance activities to ADEQ and issue a stop-work order on site until appropriate protection measures have been installed.

Procedures for site plan review

Currently, the Town does not have the need or the resources to have engineering staff for plan review. Instead, the Town will trust the reviews to the Town Engineer, currently Dibble Engineering.

The Town Engineer will review in detail aspects of the development dealing with stormwater such as grading plans, drainage, and retention basin design, drywells, containment of volume and overflow facilities as well as the complete SWPPP and its BMPs.

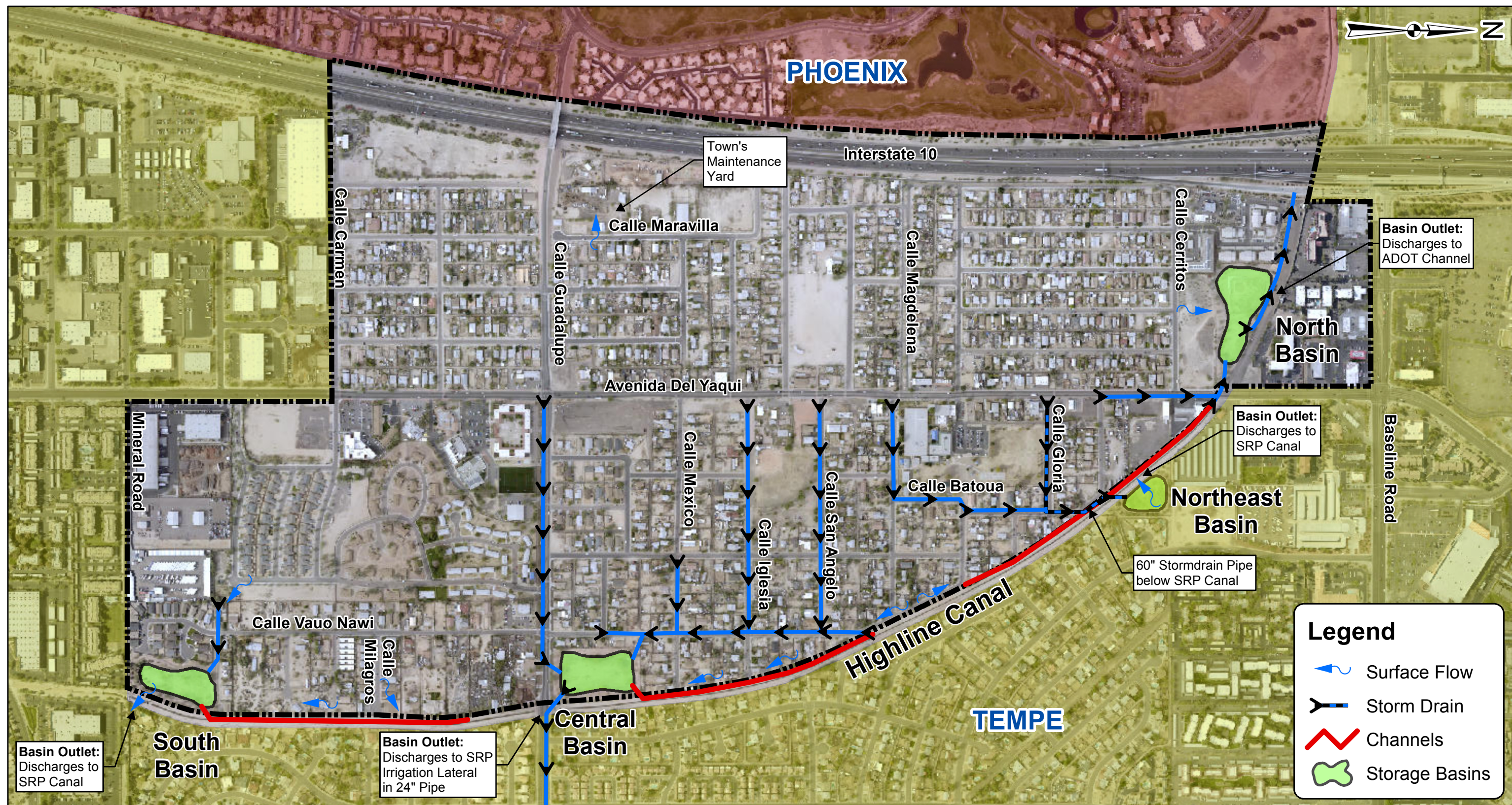
Procedures for site inspection

Inspections will begin in the office with a review of adjacent facilities, ditches, storm drains, land uses and natural features. Inspectors will then review any documents pertaining to the development of the property such as SWPPPs, grading/paving/storm drain features, site plan maps and permits granted to the builder.

The inspector will conduct the inspection, generally speaking, as described below:

- Locate the on-site copy of the SWPPP, verify its date and verify it is the same date as the one provided for final plan review.

- Walk (or slowly drive) the perimeter of the site and note outfalls to waters and/or drainage channels. Make a notation, take pictures, of the measures taken to stop sediment from reaching any body of water.
- Inspect outfalls for signs of wastes and sediment. Document any waste or sediment.
- Inspect active and inactive portions of the construction areas for properly installed BMPs, material storage, trash facilities and portable toilets.
- Take note of any dust-generating uncovered materials, take pictures.
- Fill appropriately the attached Monthly Construction Report. Communicate with the operator the status of compliance. Give the contractor reasonable time to rectify matters and, in the event of non-compliance notify contractor that his site will be referred to ADEQ for further follow-up.
- Inspector is to fully document all his actions.



Dibble
Engineering
TOWN ENGINEER

OVERALL DRAINAGE MAP
TOWN OF GUADALUPE
MARICOPA COUNTY
ARIZONA

STORMWATER MANAGEMENT PROGRAM (SWMP)

FULFILLING THE REQUIREMENTS OF THE SMALL
MUNICIPAL SEPARATE STORM WATER SYSTEM (MS4)
(GENERAL PERMIT AZG 2002-002)
SUBMITTED TO
ARIZONA DEPARTMENT OF ENVIRONMENTAL
QUALITY WATER PERMITS SECTION

ATTACHMENT 1

SCALE: 1"=600'

8/9/2016

Small MS4 Annual Report Form

Please refer to the attached instructions as you prepare your annual report.

A. General Information

Name of MS4: _____

Contact Name: _____

Telephone Number: _____ Email Address: _____

Annual Report Period: July 1, 20____ through June 30, 20____

B. SWMP Modifications and Additional Information. Attach a brief explanation if you check “yes” to any of the following statements.

- | | | |
|---|------------------------------|-----------------------------|
| 1. Changes have been made or are proposed to the SWMP since the last annual report, including changes in response to ADEQ’s review. | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| 2. The MS4 has annexed lands. | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| 3a. The MS4 discharges directly to an impaired water. | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| 3b. A water within 10 miles of the MS4’s jurisdiction has been identified as impaired. | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| 4a. The MS4 discharges directly to water for which a TMDL has been established. | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| 4b. A TMDL has been established for a water within 10 miles of the MS4’s jurisdiction. | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| 5. The MS4 has conducted analytical monitoring of stormwater quality. | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| 6. The MS4 is relying on another government entity to satisfy some permit obligations. | YES <input type="checkbox"/> | NO <input type="checkbox"/> |

C. Stormwater Management Program Status. Provide the status of every BMP and measurable goal in your SWMP as described in the instructions.

TABLE 1

| Minimum Control Measure(s) | BMP | Measurable Goal (steps to measure progress) | New or Revised | Start Date | Implementation Status/ Frequency/ Achievement Date (completed, in progress, not started) |
|-----------------------------------|------------|--|-----------------------|-------------------|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Note: If you have developed a stormwater ordinance during the last reporting period, include a description or citation of the ordinance, or simply attach a copy of the ordinance.

D. Certification

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 gathered and evaluated 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, 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.

Signature

Date

Name (printed)

Title

INSTRUCTIONS

Regulated Municipal Separate Storm Sewer Systems (MS4s) must submit annual reports to Arizona Department of Environmental Quality (ADEQ) for each year of the permit term. In compliance with the MS4 General Permit, an MS4 must annually review its Stormwater Management Program (SWMP) in conjunction with the preparation of the annual report. This document is a suggested format for annual reporting.

Submit a signed copy of your annual report no later than September 30 of each year to:

Arizona Department of Environmental Quality
Surface Water Section/ Stormwater & General Permits Unit (5415A-1)
1110 West Washington Street
Phoenix, AZ 85007

A. General Information

Provide the name of the municipality or owner/operator of the storm sewer system.

Provide the name, telephone number, and email address for the stormwater program contact person.

Place a check mark in the box corresponding to the current annual report year.

B. SWMP Modifications and Additional Information

1. **Changes have been made or are proposed to the SWMP.** Modifications to the SWMP must be addressed in the annual report in accordance with Part V.E. and Part V.G. of the Permit. If ADEQ notified you during this reporting period that changes to your SWMP were necessary, you must check "yes" to this question.

Be sure to provide the following information in the attached explanation:

- a. Describe changes made to best management practices (BMPs), measurable goals, dates, contacts, procedures or details during the last reporting period.
 - b. If changes include additions or substitutions of BMPs, please indicate this. Include a written analysis explaining why the original BMP is ineffective or infeasible and why the replacement BMP is expected to achieve the goals of the original BMP.
2. **The MS4 has annexed lands.** Attach a description (or map) indicating the annexed area, the BMPs to be implemented, and any resulting updates to the SWMP.
 3. **A water is listed as impaired.** ADEQ has completed Arizona's 2006/2008 List of Impaired Waters. Since the list has been updated, you may discover that your MS4's receiving water(s) is now listed as impaired. Please determine if your

receiving water(s) has been assessed as impaired. The 2006/2008 List of Impaired Waters has been posted on ADEQ's web site at <http://www.azdeq.gov/environ/water/assessment/assess.html>

- a. If your MS4 discharges directly to an impaired water, you must amend your SWMP to control the discharge of listed pollutants and ensure to the maximum extent practicable that discharges from the MS4 will not cause or contribute to exceedances of surface water quality standards. The SWMP must also identify BMPs to control discharges and include monitoring of their effectiveness (Permit Part I.D.5.b and Permit Part V.F.1). Attach a copy of this section of the SWMP to the annual report.
 - b. If you locate an impaired water within 10 miles of your jurisdiction, you must identify the sources of pollutants of concern to that water and evaluate the likelihood of your MS4's discharge contributing to the water's impairment. Attach a brief explanation to the annual report.
4. **A TMDL has been established.** A Total Maximum Daily Load (TMDL) is the maximum amount (load) of a water quality parameter which can be carried by a surface water, on a daily basis, without causing an exceedance of surface water quality standards. A list of the established TMDLs for impaired waters is located on ADEQ's web site at: <http://www.azdeq.gov/environ/water/assessment/status.html>.
 - a. If your MS4 discharges directly to water for which a TMDL has been established:
 - i. and the TMDL includes a wasteload allocation or load allocation for your MS4, you must amend your SWMP to describe what BMPs you will use to meet the allocation(s) and to describe the monitoring program associated with the pollutant of concern. Include a description and schedule for implementation of additional BMPs to ensure compliance with the TMDL. You must also attach to a description of the SWMP amendment to the annual report.
 - ii. but the TMDL did not allocate a load or wasteload to the MS4, attach a statement stating so to your annual report.
 - b. If a TMDL has been established within 10 miles of your jurisdiction and does not include an allocation for your MS4, you must evaluate the likelihood of your discharge contributing to that water's impairment. Attach a brief explanation to your annual report.
5. **The MS4 conducted analytical monitoring of stormwater quality.** Attach to the annual report any monitoring data used to evaluate the success of the SWMP to reducing pollutants to the maximum extent practicable. The summary should include a discussion of results. Data collection must follow the requirements of Permit Part V.F and Part VI.K.
6. **The MS4 is relying on another government entity to satisfy some of the permit obligations.** If you are relying on another entity to satisfy permit obligations, attach a statement to the annual report identifying the entity and the elements the entity will be implementing. A description of the agreement or written documentation of the agreement must be included in the SWMP.

C. Stormwater Management Program Status

Each MS4 is required to evaluate compliance with permit requirements and assess the appropriateness of the BMPs in reducing the discharge of pollutants to the maximum extent practicable. The purpose of the annual report is to report the status of compliance with permit conditions, specifically the implementation of selected BMPs and the progress towards achieving the measurable goals for each BMP.

Using the table format provided on page 2 and following the example on page 6 of this document, summarize the status of all BMPs specified in your SWMP, as follows:

Minimum Control Measure(s): Specify the minimum control measure (MCM) addressed by each BMP. The six MCMs are listed in Part V.B. of the permit. Some BMPs may address more than one MCM.

BMP: List ALL of the BMPs specified in your SWMP, including any new BMPs. BMPs are the specific, long-term activities and practices that will be implemented to prevent or reduce stormwater pollution from the MS4. Examples include stormwater public service announcements, MS4 outfall inspections, and construction site plan review.

Note: If you have developed a stormwater ordinance during the last reporting period, include a description or citation of the ordinance, or simply attach a copy of the ordinance.

Measurable Goals: List ALL measurable goals in your SWMP, including any new measurable goals. Measurable goals are the ongoing tasks and interim steps that demonstrate progress toward implementing a specific BMP. They are used to measure the effectiveness of your SWMP and compliance with the permit. Each BMP must include specific measurable goals. For instance, the measurable goals for the BMP “establishing a stormwater web page” might include “researching stormwater pollution prevention materials”, “drafting web page text”, “designing web page layout”, and “distributing final draft for approval”. Upon implementation, additional measurable goals that track progress of the BMP may include “annual review and update of the web page” and “tracking the number of “hits” to the web site”.

New or Revised: Place an X in this column if the BMP or measurable goal is new or revised, such as replacement with another BMP, addition of a new measurable goal, or revision of a start date, etc. Briefly explain the change to the SWMP in the “Implementation Status” column.

Start Date: Specify the scheduled start date (month and year) for each measurable goal.

Implementation Status: Indicate the implementation status (such as completed, in progress, or not started) of each measurable goal as of June 30 of this reporting cycle. If an activity is completed, indicate the achievement date. If an activity is in progress, provide the expected achievement date. If an activity has not yet been started, indicate the expected achievement dates. In addition, use this column to briefly explain the frequency of on-going BMPs.

The following table is an example of the type of information to be provided in the annual report:

EXAMPLE

| Minimum Control Measure(s) | BMP | Measurable Goal (steps to measure progress) | New or Revised | Start Date | Implementation Status/ Frequency/ Achievement Date (completed, in progress, not started) |
|--|--|--|-----------------------|-------------------|---|
| Pollution Prevention/Good Housekeeping for Municipal Oper. | Train all public works and streets staff | Approx. 20 staff trained annually. Staff educated on good housekeeping/ pollution prevention and upcoming stormwater ordinance | | April 2004 | In progress, annual training every April. |
| Illicit Discharge Detection and Elimination | Perform field screening of outfalls | Completed storm sewer system map includes all outfalls and names and locations of all waters of the U.S. | | January 2005 | Completed June 2005. |
| Construction Site Control and Post-Construction Site Control | Implement stormwater ordinance for construction and post-construction runoff control | Researched other municipalities' ordinances | X | July 2004 | Completed. Revised start date from March 2004 to July 2004. |
| Construction Site Control and Post-Construction Site Control | Implement stormwater ordinance for construction and post-construction runoff control | Integrated language from model ordinance | | September 2004 | Completed December 2004. |
| Construction Site Control and Post-Construction Site Control | Implement stormwater ordinance for construction and post-construction runoff control | Stormwater ordinance has been drafted | | March 2005 | In progress. Draft ordinance presented to City Council June 2005. Approval pending, expected completion date July 2005. |

D. Certification

The annual report must be signed by either a principal executive officer or ranking elected official, or by a duly authorized representative (refer to Permit Part VI.L).

Town of Guadalupe

9241 South Avenida Del Yaqui
Guadalupe, Arizona 8283-2598
Phone: (480) 730-3080
Mark Stern
Building Inspector
Phone: (480) 505-5380

STORMWATER CONSTRUCTION SITE INSPECTION REPORT



GENERAL INFORMATION

Project Name:

Location:

Date of Inspection:

Start/End Time:

Inspector's Name:

Inspector's Title:

Inspector's Contact Information:

Describe present phase of construction:

Type of Inspection:

☐ Regular

☐ Pre-storm event

☐ During storm event

☐ Post-storm event

WEATHER INFORMATION

Has there been a storm event since the last inspection? ☐ Yes ☐ No

If yes, provide:

Storm Start Date & Time:

Storm Duration (hrs):

Approximate Amount of Precipitation (in):

Weather at time of this inspection?

☐ Clear

☐ Cloudy

☐ Rain

☐ Sleet

☐ Fog

☐ High Winds

☐ Other:

Temperature:

Have any discharges occurred since the last inspection? ☐ Yes ☐ No

If yes, describe:

Are there any discharges at the time of inspection? ☐ Yes ☐ No

If yes, describe:

CERTIFICATION STATEMENT

"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 gathered and evaluated 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, 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.

Signature of Inspector

Printed Name and Title

Date

OVERALL SITE ISSUES

Below are some general site issues that should be assessed during inspections.

| BMP/activity | Implemented? | Maintenance Required? | Corrective Action Needed and Notes |
|--|--|--|------------------------------------|
| 1. All inactive slopes and disturbed areas have been stabilized. | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 2. Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 3. Are all sanitary waste receptacles placed in secondary containment and free of leaks? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 4. Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 5. Are discharge points and receiving waters free of any sediment deposits? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 6. Are storm drain inlets properly protected? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 7. Is the construction exit preventing sediment from being tracked into the street? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 8. Is trash/litter from work areas collected and placed in covered dumpsters? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 9. Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 10. Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 11. Are materials that are potential stormwater contaminants stored inside or under cover? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 12. Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 13. (Other) | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |



Town of Guadalupe

9241 South Avenida Del Yaqui ♦ Guadalupe, Arizona ♦ 85283-2598 ♦ Phone: (480) 730-3080

ENVIRONMENTAL REPORT FILLED BY RESIDENTS

BY: _____

DATE: _____

PHONE # (OPTIONAL): _____

Please describe your observations

| | |
|------------------|--|
| PARKS | |
| BUS STOPS | |
| STREETS | |
| DITCHES | |
| OTHER | |

Dear neighbor, this report can be done anonymously or it can be done over the phone by calling the town's general office (480) 530-3080, or the building inspector (480) 505-5380. If you wish to be contacted by us please provide us with your phone number.



Town of Guadalupe

9241 South Avenida Del Yaqui ♦ Guadalupe, Arizona ♦ 85283-2598 ♦ Phone: (480) 730-3080

MONTHLY BASIN INSPECTION

BY: _____

DATE: _____

| | INLET | OUTLET | DRYWELL | TRASH |
|------------------|-------|--------|---------|-------|
| NORTH BASIN | | | | |
| NORTH EAST BASIN | | | | |
| CENTRAL BASIN | | | | |
| SOUTH BASIN | | | | |

NOTES:

Notes to the Inspector: There are 2 drywells on the North Basin; 8 on the Northeast Basin; 2 on the Central Basin and 3 on the South Basin - as shown attached.
 Inspector to verify that the drywells' chambers are free of debris and trash.



Town of Guadalupe

9241 South Avenida Del Yaqui ♦ Guadalupe, Arizona ♦ 85283-2598 ♦ Phone: (480) 730-3080

| PT NO | NORTHING | EASTING | DESCRIPTION |
|-------|------------|------------|-------------|
| 100 | 864,283.73 | 685,326.73 | 1,223.30 |
| 101 | 864,306.17 | 685,435.57 | 1,220.06 |
| 102 | 864,291.57 | 685,491.41 | 1,221.15 |
| 103 | 864,278.59 | 685,521.14 | 1,222.18 |
| 104 | 864,259.40 | 685,593.74 | 1,223.76 |
| 105 | 864,253.95 | 685,645.46 | 1,223.76 |
| 106 | 864,305.63 | 685,710.73 | 1,223.76 |
| 107 | 864,363.09 | 685,684.00 | 1,223.76 |
| 108 | 864,377.25 | 685,662.09 | 1,223.76 |
| 109 | 864,395.91 | 685,629.42 | 1,223.76 |
| 110 | 864,413.98 | 685,593.34 | 1,223.76 |
| 111 | 864,428.16 | 685,534.51 | 1,222.99 |
| 112 | 864,428.31 | 685,517.63 | 1,222.40 |
| 113 | 864,487.00 | 685,383.23 | 1,220.22 |
| 114 | 864,493.11 | 685,377.46 | 1,220.34 |
| 115 | 864,527.29 | 685,338.30 | 1,221.85 |
| 116 | 864,557.74 | 685,282.83 | 1,223.76 |
| 117 | 864,581.72 | 685,223.44 | 1,223.76 |
| 118 | 864,568.19 | 685,136.36 | 1,223.76 |
| 119 | 864,508.18 | 685,105.46 | 1,223.76 |
| 120 | 864,427.75 | 685,099.65 | 1,224.93 |
| 121 | 864,327.36 | 685,092.40 | 1,226.41 |
| 122 | 864,270.41 | 685,121.23 | 1,227.39 |
| 123 | 864,262.16 | 685,134.34 | 1,227.61 |
| 124 | 864,252.01 | 685,127.95 | 1,227.85 |
| 125 | 864,206.64 | 685,162.17 | 1,228.60 |
| 126 | 864,166.07 | 685,164.43 | 1,228.74 |
| 127 | 864,150.56 | 685,159.37 | 1,229.44 |
| 128 | 864,108.45 | 685,146.00 | 1,230.24 |
| 129 | 864,074.32 | 685,142.72 | 1,230.85 |
| 130 | 864,000.67 | 685,142.45 | 1,232.20 |
| 131 | 864,227.49 | 685,192.98 | 1,227.32 |
| 132 | 864,273.82 | 685,777.41 | 1,223.90 |
| 133 | 864,261.07 | 685,261.07 | 1,223.85 |
| 134 | 864,255.52 | 685,845.42 | 1,223.80 |
| 135 | 864,255.53 | 685,865.37 | 1,223.77 |
| 200 | 864,000.46 | 685,407.56 | FCD PROP |
| 201 | 864,236.45 | 685,408.38 | FCD PROP |
| 202 | 864,238.42 | 685,865.42 | FCD PROP |
| 203 | 864,265.02 | 685,871.94 | SRP R/W |
| 204 | 864,407.52 | 685,645.08 | SRP R/W |
| 206 | 864,578.25 | 685,283.35 | SRP R/W |
| 208 | 864,655.76 | 685,073.44 | SRP R/W |
| 209 | 864,230.01 | 685,073.44 | FCD PROP |
| 210 | 864,230.29 | 685,138.44 | FCD PROP |
| 211 | 863,999.51 | 685,138.44 | FCD PROP |
| 212 | 864,060.12 | 685,345.74 | RAD PT |
| 213 | 863,997.92 | 684,816.24 | FCD PROP |
| 214 | 864,397.93 | 684,817.63 | FCD PROP |
| 215 | 864,397.14 | 684,633.33 | FCD PROP |
| 216 | 864,703.09 | 684,671.76 | DR ESMT |
| 217 | 864,710.18 | 684,719.00 | DR ESMT |
| 218 | 864,639.34 | 685,044.91 | DR ESMT |
| 219 | 864,628.80 | 685,073.44 | DR ESMT |
| 220 | 864,000.00 | 685,189.62 | LA LOMITA |
| 221 | 864,057.02 | 685,178.47 | LA LOMITA |
| 222 | 864,114.42 | 685,187.50 | LA LOMITA |
| 223 | 864,165.27 | 685,215.62 | LA LOMITA |
| 224 | 864,203.43 | 685,259.43 | LA LOMITA |
| 225 | 864,219.30 | 685,294.28 | LA LOMITA |
| 227 | 864,223.79 | 685,333.83 | LA LOMITA |
| 228 | 864,221.34 | 685,373.56 | LA LOMITA |
| 230 | 864,440.21 | 684,638.74 | TCE-R/W |
| 231 | 864,444.77 | 684,602.43 | TCE |
| 232 | 864,792.80 | 684,640.04 | TCE |
| 233 | 864,787.48 | 684,682.36 | TCE |
| 234 | 864,743.89 | 684,676.88 | TCE-R/W |
| 235 | 864,661.38 | 685,058.21 | SRP R/W |

NOTES)

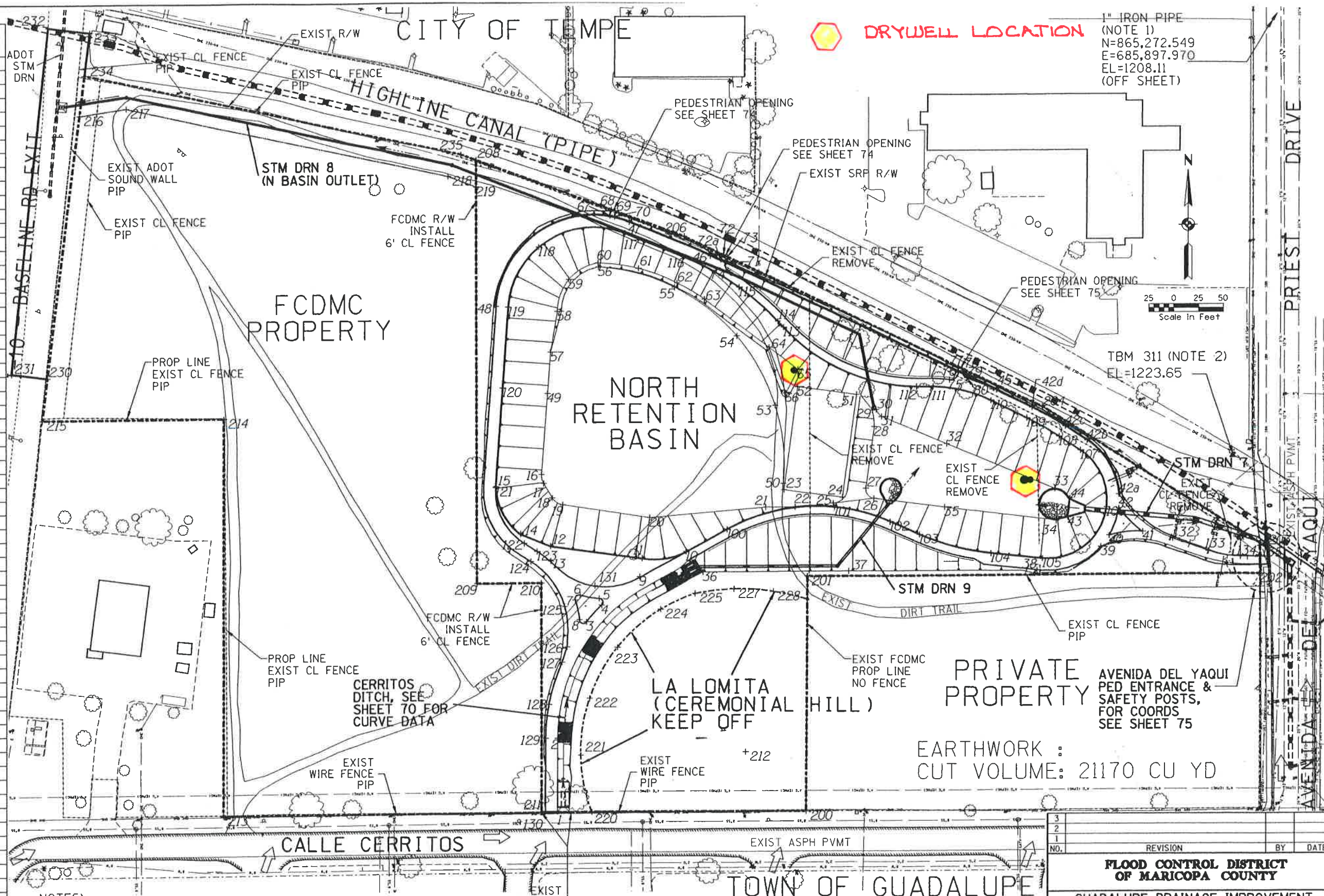
- 1) FND IRON PIPE, INTERSECTION OF BASELINE ROAD AND PRIEST DRIVE (AVENIDA DEL YAQUI).
- 2) TBM 311: CHISELED SQUARE IN SW CORNER OF CONC POWER POLE BASE.

CITY OF TEMPE




DRYWELL LOCATION

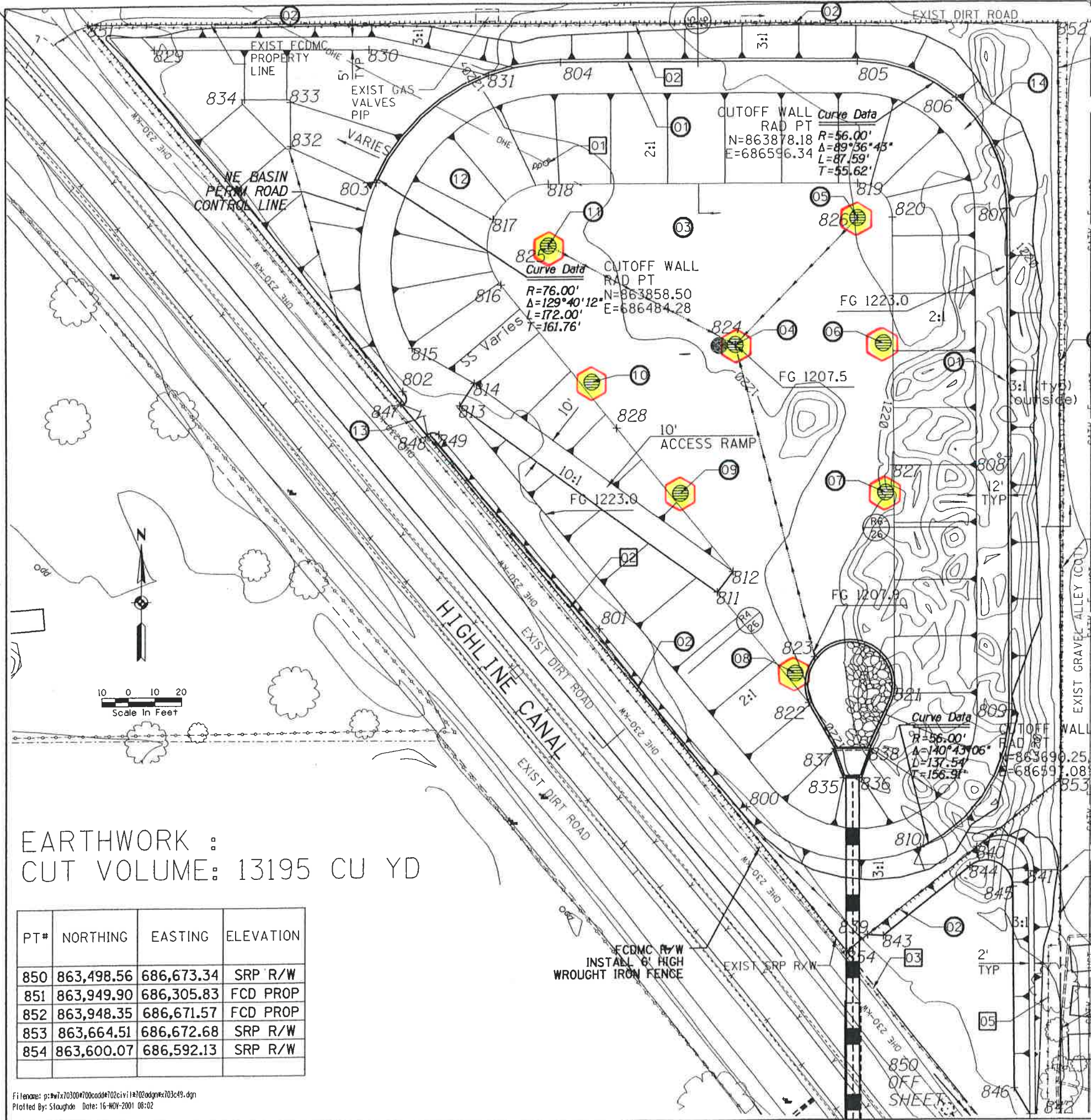
1" IRON PIPE
(NOTE 1)
N=865,272.549
E=685,897.970
EL=1208.11
(OFF SHEET)



EARTHWORK :
CUT VOLUME: 21170 CU YD

- 3) RIGHT OF WAY POINTS AND TCE (200-235)
- 4) GRADING POINTS 1-135
(SEE SHEET 75 FOR POINTS 1-80)
- 5) CUTOFF WALL LAYOUT POINTS 42a-48
- 6) FENCE REMOVAL/INSTALLATION QUANTITIES ON SHEETS 74-75)
- 7) SEE SHEETS 70, 74-75 FOR CURVE DATA

| NO. | REVISION | BY | DATE |
|---|---|-----------|--------------------|
| 3 | | | |
| 2 | | | |
| 1 | | | |
| FLOOD CONTROL DISTRICT OF MARICOPA COUNTY | | | |
| GUADALUPE DRAINAGE IMPROVEMENT TOWN OF GUADALUPE PROJECT CONTROL NO. 035-02-31 | | | |
|  | DESIGNED | D. STOUGH | 11/01 |
| | DRAWN | D. STOUGH | 11/01 |
| | CHECKED | B. OLBERT | 11/01 |
| Swordrup | | | |
| DRAWING NO. C46 | BASIN GRADING PLAN NORTH RETENTION BASIN | | SHEET OF 73 136 |



SEE LANDSCAPING PLANS FOR SPRINKLER, GROUND COVER, HEADER, & VEGETATION QUANTITIES SHEETS 125 & 129.

EXIST GRAVEL ALLEY (COT)

1/2" WORKING DAYS BEFORE YOU DIG CASE 263-1100 BLUE STAKE

| PT NO | NORTHING | EASTING | ELEVATION |
|-------|------------|------------|-----------|
| 800 | 863,654.62 | 686,553.88 | 1,222.00 |
| 801 | 863,721.91 | 686,498.40 | 1,222.00 |
| 802 | 863,811.46 | 686,424.62 | 1,222.00 |
| 803 | 863,889.44 | 686,414.86 | 1,223.00 |
| 804 | 863,934.50 | 686,484.49 | 1,223.00 |
| 805 | 863,934.18 | 686,596.50 | 1,223.00 |
| 806 | 863,920.22 | 686,633.34 | 1,223.00 |
| 807 | 863,878.40 | 686,652.34 | 1,223.00 |
| 808 | 863,785.73 | 686,652.71 | 1,223.00 |
| 809 | 863,690.47 | 686,653.08 | 1,223.00 |
| 810 | 863,639.09 | 686,619.85 | 1,223.00 |
| 811 | 863,735.42 | 686,542.99 | 1,208.00 |
| 812 | 863,743.23 | 686,548.85 | 1,208.00 |
| 813 | 863,806.01 | 686,445.90 | 1,221.76 |
| 814 | 863,814.33 | 686,451.44 | 1,221.76 |
| 815 | 863,827.72 | 686,428.17 | 1,222.01 |
| 816 | 863,851.05 | 686,461.62 | 1,208.00 |
| 817 | 863,875.45 | 686,458.76 | 1,208.00 |
| 818 | 863,888.51 | 686,479.56 | 1,208.00 |
| 819 | 863,888.18 | 686,596.39 | 1,208.00 |
| 820 | 863,875.23 | 686,609.36 | 1,208.00 |
| 821 | 863,698.61 | 686,610.05 | 1,208.00 |
| 822 | 863,693.51 | 686,577.55 | 1,208.00 |
| 823 | 863,710.78 | 686,579.75 | 1,207.90 |
| 824 | 863,828.14 | 686,550.00 | 1,207.50 |
| 825 | 863,865.51 | 686,479.50 | 1,207.90 |
| 826 | 863,875.18 | 686,596.36 | 1,207.90 |
| 827 | 863,782.77 | 686,609.72 | 1,208.00 |
| 828 | 863,797.14 | 686,505.23 | 1,208.00 |
| 829 | 863,939.90 | 686,330.89 | 1,223.00 |
| 830 | 863,939.56 | 686,412.30 | 1,223.00 |
| 831 | 863,929.58 | 686,457.35 | 1,223.00 |
| 832 | 863,903.35 | 686,382.34 | 1,221.00 |
| 833 | 863,919.93 | 686,382.34 | 1,221.00 |
| 834 | 863,921.05 | 686,364.77 | 1,221.00 |
| 835 | 863,665.29 | 686,590.77 | 1,214.00 |
| 836 | 863,665.32 | 686,597.64 | 1,214.00 |
| 837 | 863,676.28 | 686,587.51 | 1,208.00 |
| 838 | 863,676.33 | 686,600.80 | 1,208.00 |
| 839 | 863,606.36 | 686,600.01 | 1,221.00 |
| 840 | 863,639.24 | 686,641.12 | 1,221.00 |
| 841 | 863,630.01 | 686,660.61 | 1,221.00 |
| 842 | 863,538.55 | 686,661.64 | 1,221.00 |
| 843 | 863,605.98 | 686,605.94 | 1,219.50 |
| 844 | 863,631.97 | 686,638.43 | 1,219.00 |
| 845 | 863,624.20 | 686,654.68 | 1,219.00 |
| 846 | 863,548.47 | 686,655.53 | 1,219.50 |
| 847 | 863,806.77 | 686,423.88 | 1,221.50 |
| 848 | 863,794.40 | 686,433.97 | 1,221.50 |
| 849 | 863,795.09 | 686,438.06 | 1,222.00 |

EARTHWORK :
CUT VOLUME: 13195 CU YD

| PT# | NORTHING | EASTING | ELEVATION |
|-----|------------|------------|-----------|
| 850 | 863,498.56 | 686,673.34 | SRP R/W |
| 851 | 863,949.90 | 686,305.83 | FCD PROP |
| 852 | 863,948.35 | 686,671.57 | FCD PROP |
| 853 | 863,664.51 | 686,672.68 | SRP R/W |
| 854 | 863,600.07 | 686,592.13 | SRP R/W |

Filename: p:\w\70300\700cadd\702civil\702adgn\703c49.dgn
Plotted By: Sloughde Date: 16-NOV-2001 08:02

REMOVE

01 EXIST WOOD PP (REMOVE BY SRP), 1 EACH

02 REMOVE EXIST 3-WIRE FENCE, 1150 LF

03 EXIST 3-WIRE FENCE, PROTECT IN PLACE

04 EXIST CINDER BLOCK FENCE, PROTECT IN PLACE

05 REMOVE EXIST CL FENCE, 70 LF

CONSTRUCT

INSTALL NEW STORM DRAIN PIPE

NO. STATION TO STATION DIAMETER INCHES LENGTH FEET

01 CONSTRUCT 3' DEEP CUTOFF WALL, 526 LF
TOP EL 1223.00 (TYP) (RIO 27)

02 INSTALL NEW WROUGHT IRON FENCE, 1205 LF
PER FENCING DETAILS, OF LANDSCAPING PLANS (1 123 2 123)

03 EXCAVATE RETENTION BASIN, 13195 CY
INSTALL DRYWELL, 2-CHAMBER, 1 EACH
N 863828.14, E 686550.00
GRATE LID EL 1208.00
SOLID LID RIM EL 1207.50 (17B 109)

04 INSTALL DRYWELL, 1-CHAMBER, 1 EACH
N 863875.18, E 686596.35
RIM EL 1208.50 (17A 109)

05 INSTALL DRYWELL, 1-CHAMBER, 1 EACH
N 863828.51, E 686605.95
RIM EL 1208.50 (17A 109)

06 INSTALL DRYWELL, 1-CHAMBER, 1 EACH
N 863772.70, E 686606.63
RIM EL 1209.00 (17A 109)

07 INSTALL DRYWELL, 1-CHAMBER, 1 EACH
N 863704.67, E 686572.39
RIM EL 1209.00 (17A 109)

08 INSTALL DRYWELL, 1-CHAMBER, 1 EACH
N 863772.70, E 686529.17
RIM EL 1209.00 (17A 109)

09 INSTALL DRYWELL, 1-CHAMBER, 1 EACH
N 863814.56, E 686495.83
RIM EL 1208.50 (17A 109)

10 INSTALL DRYWELL, 1-CHAMBER, 1 EACH
N 863865.51, E 686479.50
RIM EL 1208.50 (17A 109)

11 INSTALL GRAVEL MULCH, ON BASIN, 2750 SY
INTERIOR SIDESLOPES ONLY, SEE SPECS

12 INSTALL NEW WROUGHT IRON GATE, 1 EACH
SEE POINTS 847 AND 848 THIS SHEET AND
SEE SHEET 123. (3 123)

13 2" DG/4" AB FOR PERIM ROAD, 1310 SY
AND RAMP

14 INSTALL DIRECTIONAL ARROW SIGN, 2 EACH,
SEE LANDSCAPING PLANS, DETAIL, AND SPECIAL PROVISIONS (NPI) (3 123)

| | | | |
|-----|----------|----|------|
| 3 | | | |
| 2 | | | |
| 1 | | | |
| NO. | REVISION | BY | DATE |

FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

GUADALUPE DRAINAGE IMPROVEMENT
TOWN OF GUADALUPE
PROJECT CONTROL NO. 035-02-31

DESIGNED
D. STOUGH

DRAWN
D. STOUGH

CHECKED
B. OLBERT

BY
D. STOUGH

DATE
11/01

2682
D. STOUGH

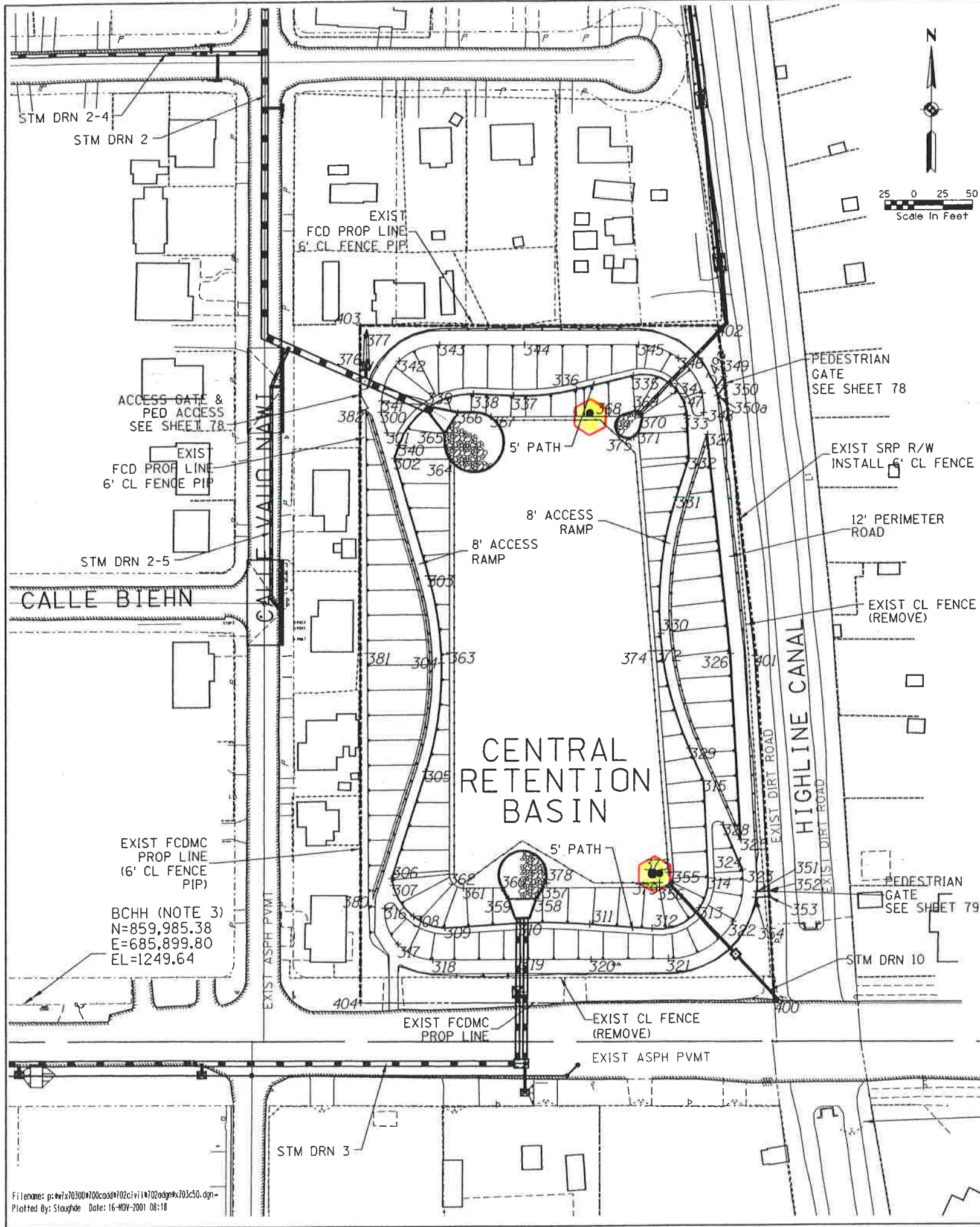
11/01

Swordrup

DRAWING NO.
C49

BASIN GRADING PLAN
NORTHEAST RETENTION BASIN

SHEET OF
76 136



| PT NO | NORTHING | EASTING | DESCRIPTION |
|-------|------------|------------|-------------|
| 300 | 860,515.49 | 687,528.50 | 1,226.84 |
| 301 | 860,497.75 | 687,533.66 | 1,226.11 |
| 302 | 860,475.85 | 687,540.03 | 1,224.74 |
| 303 | 860,375.31 | 687,569.29 | 1,218.45 |
| 304 | 860,300.60 | 687,580.65 | 1,215.22 |
| 305 | 860,207.93 | 687,567.08 | 1,218.34 |
| 306 | 860,116.24 | 687,537.77 | 1,224.11 |
| 307 | 860,110.46 | 687,539.26 | 1,223.95 |
| 308 | 860,084.08 | 687,557.16 | 1,223.14 |
| 309 | 860,074.31 | 687,584.30 | 1,222.41 |
| 310 | 860,078.15 | 687,648.91 | 1,220.89 |
| 311 | 860,076.89 | 687,709.04 | 1,220.68 |
| 312 | 860,072.81 | 687,762.83 | 1,220.58 |
| 313 | 860,089.84 | 687,803.62 | 1,220.70 |
| 314 | 860,115.05 | 687,810.79 | 1,220.79 |
| 315 | 860,198.41 | 687,806.63 | 1,220.23 |
| 316 | 860,090.94 | 687,531.82 | 1,225.53 |
| 317 | 860,060.20 | 687,543.66 | 1,226.77 |
| 318 | 860,046.76 | 687,573.75 | 1,226.80 |
| 319 | 860,046.64 | 687,650.27 | 1,226.21 |
| 320 | 860,046.55 | 687,710.27 | 1,225.42 |
| 321 | 860,046.44 | 687,777.18 | 1,224.56 |
| 322 | 860,078.19 | 687,832.56 | 1,224.30 |
| 323 | 860,113.21 | 687,841.22 | 1,224.30 |
| 324 | 860,122.45 | 687,840.61 | 1,224.40 |
| 325 | 860,147.83 | 687,839.25 | 1,224.50 |
| 326 | 860,307.33 | 687,830.16 | 1,224.50 |
| 327 | 860,494.64 | 687,810.24 | 1,224.50 |
| 328 | 860,160.53 | 687,823.94 | 1,223.16 |
| 329 | 860,226.41 | 687,795.10 | 1,218.43 |
| 330 | 860,325.18 | 687,770.42 | 1,214.42 |
| 331 | 860,441.21 | 687,783.88 | 1,220.65 |
| 332 | 860,474.45 | 687,794.46 | 1,222.92 |
| 333 | 860,511.13 | 687,792.67 | 1,222.10 |
| 334 | 860,538.45 | 687,778.80 | 1,221.60 |
| 335 | 860,545.83 | 687,746.74 | 1,220.80 |
| 336 | 860,534.41 | 687,697.54 | 1,219.55 |
| 337 | 860,529.35 | 687,642.96 | 1,219.01 |
| 338 | 860,530.85 | 687,608.43 | 1,220.65 |
| 339 | 860,519.13 | 687,568.20 | 1,222.75 |
| 340 | 860,487.16 | 687,543.99 | 1,224.71 |
| 341 | 860,525.43 | 687,529.00 | 1,226.82 |
| 342 | 860,559.30 | 687,544.55 | 1,226.30 |
| 343 | 860,573.00 | 687,579.21 | 1,225.79 |
| 344 | 860,572.61 | 687,652.81 | 1,224.90 |
| 345 | 860,572.09 | 687,751.05 | 1,224.30 |
| 346 | 860,560.32 | 687,785.43 | 1,224.30 |
| 347 | 860,530.17 | 687,805.72 | 1,224.30 |
| 348 | 860,513.63 | 687,806.93 | 1,224.42 |
| 349 | 860,544.05 | 687,824.09 | 1,224.42 |
| 349a | 860,534.54 | 687,817.24 | 1,224.58 |
| 350 | 860,536.67 | 687,824.93 | 1,224.58 |
| 350a | 860,528.10 | 687,818.76 | 1,224.58 |
| 351 | 860,103.40 | 687,852.95 | 1,224.58 |
| 352 | 860,104.00 | 687,863.11 | 1,224.58 |
| 353 | 860,099.01 | 687,863.40 | 1,224.58 |
| 354 | 860,098.34 | 687,852.08 | 1,224.42 |
| 355 | 860,120.49 | 687,781.33 | 1,214.03 |
| 356 | 860,107.52 | 687,769.35 | 1,214.07 |

| PT NO | NORTHING | EASTING | ELEV |
|-------|------------|------------|----------|
| 357 | 860,107.69 | 687,669.00 | 1,214.58 |
| 358 | 860,098.46 | 687,663.03 | 1,214.60 |
| 359 | 860,098.46 | 687,639.37 | 1,214.60 |
| 360 | 860,107.76 | 687,633.37 | 1,214.77 |
| 361 | 860,107.82 | 687,599.77 | 1,214.94 |
| 362 | 860,119.82 | 687,587.79 | 1,215.02 |
| 363 | 860,309.50 | 687,587.79 | 1,215.25 |
| 364 | 860,475.00 | 687,587.79 | 1,215.46 |
| 365 | 860,497.35 | 687,584.04 | 1,215.45 |
| 366 | 860,514.78 | 687,594.96 | 1,215.45 |
| 367 | 860,511.12 | 687,623.84 | 1,215.41 |
| 368 | 860,510.87 | 687,734.29 | 1,215.06 |
| 369 | 860,515.00 | 687,748.30 | 1,215.00 |
| 370 | 860,509.67 | 687,753.73 | 1,215.00 |
| 371 | 860,496.59 | 687,750.83 | 1,214.97 |
| 372 | 860,310.32 | 687,765.93 | 1,214.50 |
| 373 | 860,120.16 | 687,777.34 | 1,213.80 |
| 374 | 860,310.00 | 687,761.95 | 1,214.30 |
| 375 | 860,493.15 | 687,747.09 | 1,214.75 |
| 376 | 860,558.93 | 687,516.19 | 1,226.57 |
| 377 | 860,586.34 | 687,516.19 | 1,226.92 |
| 378 | 860,111.69 | 687,671.94 | 1,214.37 |
| 379 | 860,111.52 | 687,769.35 | 1,213.87 |
| 380 | 860,093.35 | 687,518.33 | 1,227.20 |
| 381 | 860,309.36 | 687,516.99 | 1,226.09 |
| 382 | 860,514.94 | 687,515.71 | 1,225.03 |
| | | | |
| 400 | 860,008.36 | 687,868.73 | SRP R/W |
| 401 | 860,305.62 | 687,851.27 | SRP R/W |
| 402 | 860,587.65 | 687,819.12 | SRP R/W |
| 403 | 860,589.50 | 687,510.36 | FCD R/W |
| 404 | 860,010.16 | 687,511.69 | FCD R/W |

NOTES

- 1) FND BCHH, Intersection of Hardy Drive and Guadalupe Road.
- 2) TBM 316: Chisled Square in SW Corner of Conc. PP Base
- 3) FND BCHH, Intersection of Avenida Del Yaqui and Guadalupe Road, (point 02, Pentacore, Sheet 07)


EARTHWORK :
CUT VOLUME: 35066 CU YD

BCHH (NOTE 1)
N=859,971.98
E=688,536.09

GUADALUPE ROAD

TBM 316 (NOTE 2)
EL=1225.86

| | | | |
|--|--|-----------|--------------------|
| 3 | | | |
| 2 | | | |
| 1 | | | |
| NO. | REVISION | BY | DATE |
| FLOOD CONTROL DISTRICT OF MARICOPA COUNTY | | | |
| GUADALUPE DRAINAGE IMPROVEMENT TOWN OF GUADALUPE PROJECT CONTROL NO. 035-02-31 | | | |
| | DESIGNED | D. STOUGH | 11/01 |
| | DRAWN | D. STOUGH | 11/01 |
| | CHECKED | B. OLBERT | 11/01 |
| Sverdrup | | | |
| DRAWING NO. C50 | BASIN GRADING PLAN CENTRAL RET BASIN- OVERALL | | SHEET OF 77 136 |

| | | | |
|---|---|------------------|---------------------------|
| 3 | | | |
| 2 | | | |
| 1 | | | |
| NO. | REVISION | BY | DATE |
| <p align="center">FLOOD CONTROL DISTRICT OF MARICOPA COUNTY</p> | | | |
| <p align="center">GUADALUPE DRAINAGE IMPROVEMENT TOWN OF GUADALUPE PROJECT CONTROL NO. 035-02-31</p> | | | |
|  | | BY | DATE |
| | DESIGNED | D. STOUGH | 11/01 |
| | DRAWN | D. STOUGH | 11/01 |
| | CHECKED | B. OLBERT | 11/01 |
| <p>Sverdrup</p> | | | |
| DRAWING NO. C53 | BASIN GRADING PLAN SOUTH RETEN BASIN OVERALL | | SHEET OF 80 136 |

MONTHLY REPORT ON PUBLIC AREAS

BY: _____

DATE: _____

| | |
|------------------|--|
| PARKS | |
| BUS STOPS | |
| STREETS | |
| DITCHES | |



Town of Guadalupe

9241 South Avenida Del Yaqui ♦ Guadalupe, Arizona ♦ 85283-2598 ♦ Phone: (480) 730-3080

Town of Guadalupe

9241 South Avenida Del Yaqui
Guadalupe, Arizona 8283-2598
Phone: (480) 730-3080
Mark Stern
Building Inspector
Phone: (480) 505-5380

MAINTENANCE YARD MONTHLY INSPECTION REPORT



GENERAL INFORMATION

| | |
|-----------------------------------|-----------------|
| Location: Town's Maintenance Yard | |
| Date of Inspection: | Start/End Time: |
| Inspector's Name: | |
| Inspector's Title: | |
| Inspector's Contact Information: | |

WEATHER INFORMATION

| | | |
|--|-----------------------|---|
| Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| If yes, provide: | | |
| Storm Start Date & Time: | Storm Duration (hrs): | Approximate Amount of Precipitation (in): |
| Weather at time of this inspection? | | |
| <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> High Winds | | |
| <input type="checkbox"/> Other: Temperature: | | |
| Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| If yes, describe: | | |
| Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| If yes, describe: | | |

CERTIFICATION STATEMENT

"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 gathered and evaluated 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, 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.

Signature of Inspector

Printed Name and Title

Date

OVERALL SITE ISSUES

Below are some general site issues that should be assessed during inspections.

| BMP/activity | Implemented? | Maintenance Required? | Corrective Action Needed and Notes |
|---|--|--|------------------------------------|
| 1. All inactive slopes and disturbed areas have been stabilized. | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 2. Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 3. Are all sanitary waste receptacles placed in secondary containment and free of leaks? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 4. Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 5. Are discharge points and receiving waters free of any sediment deposits? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 6. Are storm drain inlets properly protected? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 7. Is trash/litter collected and placed in covered dumpsters? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 8. Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 9. Are materials that are potential stormwater contaminants stored inside or under cover? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 10. Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 13. (Other) | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |



Town of Guadalupe

9241 South Avenida Del Yaqui ♦ Guadalupe, Arizona ♦ 85283-2598 ♦ Phone: (480) 730-3080



TOWN OF GUADALUPE
9241 SOUTH AVENIDA DEL YAQUI
GUADALUPE, AZ 85283-2598
(480) 730-3080

Dear Neighbor,

Our Town is under a Consent Order with ADEQ (Arizona Department of Environmental Quality) to remedy several infractions related to the issue of illicit discharges into our streets.

One of the major causes of concern, and subject to fines and other penalties, is oil and grease running into the streets, or into the sewer system, coming from car-repair activities on private driveways or on the street.

This is a friendly and neighborly heads up from our Town to halt any car repair activity not done in a properly registered garage.

The Town has the legal right to impose fines, on a daily basis, to repeat offenders.

Please call the Building Inspector Dept. should you have any questions about this, 480.505.5380.

Thank you for your cooperation

ORDINANCE NO. 2016- 02

**AN ORDINANCE OF THE COMMON COUNCIL OF
THE TOWN OF GUADALUPE, ARIZONA,
AMENDING THE TOWN CODE OF GUADALUPE TO
ADD TITLE 19 ENTITLED STORM WATER, TO
PROVIDE FOR THE ELIMINATION AND/OR
REDUCTION IN STORM WATER POLLUTION;
ESTABLISH DEFINITIONS; PROVIDE PERMIT
REQUIREMENTS; CLEAN UP AND NOTIFICATION
REQUIREMENTS; INSPECTIONS ENFORCEMENT
AND PENALTIES.**

WHEREAS, The Clean Water Act among other things regulates storm water and urban runoff to protect water quality; and

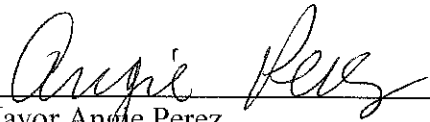
WHEREAS, The Town of Guadalupe is adopting a storm water management plan and said plan requires the Town to adopt a policy or ordinance intended to prohibit, prevent, and/or minimize pollution for storm water runoff and the Town is therefore adopting such an ordinance to assist in enforcement:

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Common Council of the Town of Guadalupe as follows:

1. That certain document known as the Town of Guadalupe Storm Water Pollution Prevention Ordinance is declared to be a public record and the Town Clerk shall keep three copies of said ordinance on file at the office of the Town Clerk.
2. The Town of Guadalupe Town Code shall be amended by adopting by reference that public record entitled the Town of Guadalupe Storm Water Pollution Prevention ordinance, said ordinance to be added to the Town Code as Chapter 19 and is hereby adopted and incorporate herein by reference.
3. All ordinances or parts of ordinances in conflict with the provisions of this Ordinance or any part of the Town Code adopted hereby by reference are repealed.
4. If any section, paragraph, sentence, clause, phrase or portion of this Ordinance or any part of the Code adopted herein by reference is for any reason held to be invalid or unconstitutional by the decision of any court of appropriate jurisdiction such decision shall not affect the validity of the remaining portions thereof.
5. Any person found guilty of violating any portion of this Ordinance shall be guilty of a class one misdemeanor and upon conviction shall be punished by a fine not to exceed \$2,500.00 per day for each violation and/or incarceration for up to six months in jail. Each day a violation continues shall be a separate offense punishable as herein described.

6. In addition to any other enforcement authority contained in this Ordinance or the Town Code of Guadalupe the Director may issue a civil citation to any person who has violated or continues to violate any provision of this Ordinance or the Town Code of Guadalupe, Chapter 19, or any other related laws or regulations. A person who violates any requirement of this Ordinance, the Town Code of Guadalupe, Chapter 19 or any applicable NPDES or AZPES Storm Water Permit Condition shall be civilly liable to the Town for a sum not to exceed \$500 per day for each violation.

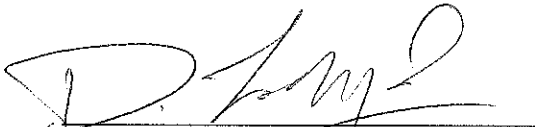
PASSED AND ADOPTED by the Common Council of the Town of Guadalupe, Arizona, on this 8 day of September, 2016.


Mayor Angie Perez

Attest:

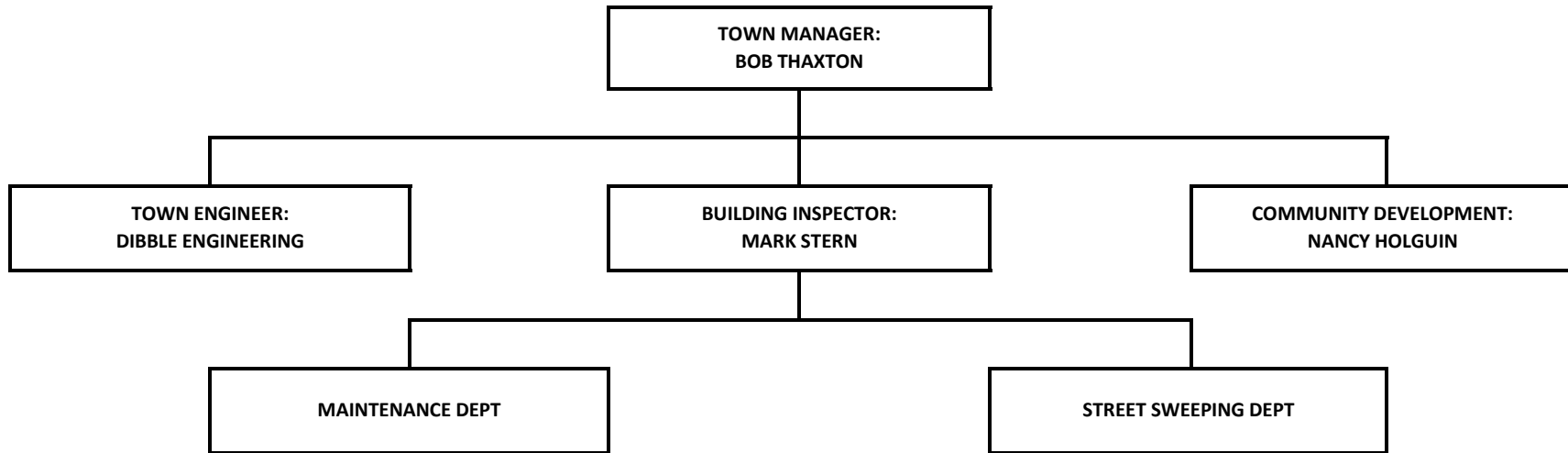

Rosemary Arcellano, Town Clerk
Interim Town Manager

Approved as to Form:


David E. Ledyard, Esq.

ATTACHMENT 3 SWMP OPERATIONS/RESPONSIBILITIES ORGANIZATION CHART

The Town Manager will be responsible for the delegation of all duties and responsibilities pertaining to this SWMP plus overseeing the operation and maintenance of the Town's stormwater infrastructure.



The building inspection department will be responsible for the following:

1. The administration of the Town's MS4 permit and other stormwater related permits.
2. The implementation of the SWMP.
3. Coordinating the internal and external activities associated with the SWMP.
4. Distributing reports received concerning stormwater issues to the appropriate department for follow up.
5. Necessary regulatory reporting related to the SWMP and any such requirements pertaining to the operation and maintenance of the Town's stormwater infrastructure.
6. Implementation of BMPs
7. Reviewing and approving grading and drainage plans this in conjunction with the Town engineer.
8. The inspection of the construction and post-construction sites.
9. The operation and maintenance of the Town's stormwater system.



Town of Guadalupe

Attachment 4 – SWMP Modifications Log

Town of Guadalupe, Arizona
Stormwater Management Plan
Original Date – 08, 2016
Revision Date –
Page 1 of ____

Town of Guadalupe
SWMP Modification Log

Modification Made By:

Purpose of the Modification:

Description of the Modification:

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 gathered and evaluated the information submitted. Based on my inquire of the person or persons who manage the system, or those persons directly responsible for gathering the information, 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 fines and imprisonment for knowing violations.

Signed: _____

Date: _____

Printed: _____

Attachment 5. Authorized Representative Signature Form

In accordance with the Arizona Pollutant Discharge Elimination System General Permit for Discharge from Small Municipal Separate Storm Sewer Systems (MS4s) to Waters of the United States (Permit No. AZG2002-002) Part VI.6.L.1, the person occupying the Town Manager position is a duly authorized representative of the Town of Guadalupe.

Town Manager, Town of Guadalupe

Date

Attachment 6 - MS4 Permit, No AZG2002-002

PERMIT NO. AZG2016-002

**STATE OF ARIZONA
DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PHOENIX, ARIZONA 85007**

**ARIZONA POLLUTANT DISCHARGE ELIMINATION SYSTEM
GENERAL PERMIT FOR STORMWATER DISCHARGES
FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS
TO WATERS OF THE UNITED STATES**

This permit provides authorization to discharge under the Arizona Pollutant Discharge Elimination System (AZPDES) program, in compliance with the provisions of the Arizona Revised Statutes (A.R.S) and, Title 49, Chapter 2, Article 3.1, the Arizona Administrative Code (A.C.C.), and Title 18, Chapter 9, Article 9.

This general permit specifically authorizes stormwater discharges from small municipal separate storm sewer systems (MS4s) in Arizona to Waters of the United States, pursuant to 40 CFR § 122.34. All discharges authorized by this general permit shall be consistent with the terms and conditions of this general permit.

This general permit becomes effective on September 30, 2016.

This general permit and the authorization to discharge expires at midnight, September 29, 2021.

Signed this 29th day of September, 2016.

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Trevor Baggione, Director
Water Quality Division

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1.0 COVERAGE UNDER THIS GENERAL PERMIT

1.1 Permit Area

This permit covers and applies to traditional and non-traditional regulated, Small Municipal Separate Storm Sewer Systems (MS4s) in Arizona, except those located in Indian Country:

- a. City or Town – Urbanized area(s) determined by the most recent Decennial Census by the Bureau of Census, including areas annexed during the permit term;
- b. County – Un-incorporated urbanized area determined by the most recent Decennial Census by the Bureau of Census;
- c. State, federal, and other publicly-owned properties that the director determines contributes to a violation of a water quality standard or is a significant contributor of pollutants to Waters of the U.S. and
- d. Areas outside of an urbanized area as designated by the director pursuant to Arizona Administrative Code (A.A.C.) R18-9-A902(D).

1.2 Eligibility

This permit authorizes the discharge of stormwater from small municipal separate storm sewer systems (MS4s) provided the permittee complies with all the requirements of this general permit, and the MS4:

- a. Is located fully or partially within an urbanized area as determined by the latest Decennial Census by the Bureau of Census; or
- b. Is designated for permit authorization by the department under the A.A.C. R-18-9-A902(D)(1), R18-9-A902(D)(2), R-18-9-A902(E), and R18-9-A905(A)(1)(f) which incorporates 40 CFR §122.32.

1.3 Non-Stormwater Discharges

1.3.1 Except as provided in Part 1.3.2, the permittee shall prohibit non-stormwater discharges into its MS4 unless the discharges are authorized by a separate NPDES or AZPDES permit.

1.3.2 The following categories of non-stormwater discharges (occurring within the jurisdiction of the permittee) are prohibited if the discharges are identified by the permittee as significant contributors of pollutants to the MS4. If any of the following categories of discharges are identified as a significant contributor, the permittee must address the category as an illicit discharge as specified in Part 6.4.3.1:

- a. Water line flushing
- b. Landscape irrigation
- c. Diverted stream flows
- d. Rising ground waters
- e. Uncontaminated ground water infiltration
- f. Uncontaminated pumped groundwater
- g. Discharges from potable water sources
- h. Foundation drains
- i. Air conditioning condensate
- j. Irrigation water

- k. Springs
- l. Water from crawl space pumps
- m. Footing drains
- n. Lawn watering
- o. Individual residential car washing
- p. Discharges from riparian habitats and wetlands
- q. Dechlorinated swimming pool discharges
- r. Street wash water, and
- s. Discharges or flows from firefighting activities

1.4 Limitations of Coverage

Except as provided in Part 1.3.2, this general permit does not authorize:

- 1.4.1** Discharges mixed with sources of non-stormwater unless the non-stormwater discharges comply with an applicable NPDES or AZPDES permit, as addressed in Part 1.3.1;
- 1.4.2** Stormwater discharges associated with industrial activity as defined in 40 CFR §122.26(b)(14)(i)-(ix) and (xi);
- 1.4.3** Stormwater discharges associated with construction activity as defined in 40 CFR §122.26(b)(14)(x) or 40 CFR §122.26(b)(15);
- 1.4.4** Stormwater discharges currently covered under another permit;
- 1.4.5** Discharges to impaired waters listed (including not-attaining waters) if discharge(s) from the MS4 contain, or may contain, pollutant(s) for which the receiving water is listed except:
 - a. If a TMDL has been established and the stormwater management program (SWMP) is consistent with the requirements of the TMDL, including any wasteload allocation or load allocation in the TMDL. The SWMP must also identify Best Management Practices (BMPs) the permittee will use to meet wasteload allocations or load allocations and include monitoring for associated pollutant(s); and
 - b. If a TMDL has not been established and the SWMP includes a section describing how the program will control the discharge of 303(d) listed pollutants and ensure to the maximum extent practicable that discharges from the MS4 will not cause or contribute to exceedances of surface water quality standards. The SWMP must also identify BMPs the permittee will use to control discharges and include monitoring of their effectiveness.
- 1.4.6** Discharges that do not comply with Arizona's anti-degradation rule R18-11-107;
- 1.4.7** Stormwater discharges prohibited under 40 CFR §122.4.

1.5 Permit Compliance

Non-compliance with any requirement of this permit constitutes a violation of the permit and may result in an enforcement action, including injunctive relief and/or penalties under state and federal laws.

2.0 AUTHORIZATION UNDER THIS GENERAL PERMIT

Upon the effective date of this permit, existing and new permittees automatically have coverage under this permit for up to 180 days. Existing and new Small MS4 operators who wish to retain coverage under this permit must submit a complete and accurate Notice of Intent to ADEQ within 180 days of the effective date of this permit.

2.1 Obtaining Permit Coverage

2.1.1 A person seeking authorization to discharge under this general permit shall submit to the department a complete and accurate Notice of Intent (NOI) on a form provided by the department and includes, at a minimum, the following information:

- a. Name of MS4
- b. Operator name and title
- c. Mailing address
- d. Annual fee billing information
- e. Contact person
- f. Contact information
- g. Estimated population (based on most recent Decennial Census by the Bureau of Census)
- h. Receiving water(s) – those listed in A.A.C., Title 18, Chapter 11, Article 1, Appendix B
- i. The number of outfalls that discharge to a receiving water listed in A.A.C. R18-11, Appendix B
- j. Outfall, name or identification of outfalls required in “i,” above
- k. Identification of a minimum of five (5) outfalls (or screening points) to be included in the visual stormwater discharge monitoring program (Part 6.4.3.8)
- l. Identification of impaired and not-attaining waters that receive discharges from the MS4, including the pollutant(s) causing the impairment, total maximum daily load, and waste load allocation(s), as applicable
- m. Identification of Outstanding Arizona Waters that receive discharges from the MS4
- n. BMPs and measurable goals for each of the six (6) minimum control measures (MCMs) identified in Part 6.4
- o. Outfall name or identification of those outfalls to be utilized for analytical monitoring of stormwater discharges to impaired, not-attaining waters and Outstanding Arizona Waters
- p. Schedule for developing and implementing BMPs and associated program elements specified in this permit
- q. Proposal for alternative to visual stormwater discharge monitoring, if applicable (Part 6.4.3.8)
- r. Additional information specified in the NOI for ADEQ to determine eligibility under this permit.

2.1.2 Eligible persons wishing to retain coverage under this permit (existing and new MS4 operators) must submit a complete and accurate NOI to the department within 180 days of the effective date of this permit. Small MS4 operators notified after the effective date of this permit must submit a NOI within 180 days of receiving notification in writing by ADEQ that they are subject to permitting. Persons failing to submit a new NOI within the applicable timeframe will be considered discharging without a permit.

- 2.1.3** If the department notifies the applicant of deficiencies or inadequacies in any portion of the NOI, or requests additional information, the applicant must correct the deficient or inadequate portions and submit a revised NOI that addresses the deficiencies within seven (7) days of receiving notification.
- 2.1.4** The permittee must submit a revised NOI to the department within fifteen (15) days whenever there is a change of information (certifying official, mailing address, contact information, BMPs, measurable goals, etc.).
- 2.1.5** Notice of Intent forms submitted to ADEQ will be posted on the ADEQ website and made available for public comment. ADEQ may request additional information from the application based on public comments.

2.2 Permit Fees

Permittees are subject to fees established in A.A.C. R18-14-109. The department will issue an invoice annually to the permittee at the address identified on the NOI.

New permittees must submit the applicable fee with their NOI.

Existing permittees are not required to include the annual fee when submitting an NOI to obtain coverage under this permit.

2.3 Terminating Coverage

A permittee may terminate coverage under this general permit by submitting a notice of termination (NOT) on a form provided by the department. Authorization to discharge terminates at midnight on the day the NOT is received by the department.

If the operator does not obtain coverage under an alternate AZPDES permit that authorizes the discharge of stormwater prior to submitting the NOT, the operator will be considered discharging without a permit.

NOTs must be signed in accordance with Part 9.9 and must be submitted to the following address until such time as electronic submission is available:

Arizona Department of Environmental Quality
Surface Water Section (5415A-1)
1110 West Washington Street
Phoenix, AZ 85007

2.4 Coverage under an Individual Permit

Pursuant to A.A.C. R18-9-C902, a person may request, or be required by the director, to obtain coverage under an individual permit.

2.5 Continuation of this General Permit

If this permit is not reissued prior to the expiration date, it will be administratively continued in accordance with A.A.C. R18-9-C903 and remain in force and effect for discharges that were authorized prior to expiration.

If the MS4 operator does not submit a timely, complete, and accurate NOI requesting authorization to discharge under a reissued permit or a timely request for authorization under an individual or alternative general permit, authorization under this permit will terminate on the due date for the NOI under the reissued permit unless otherwise specified in the reissued permit.

3.0 STORMWATER PROGRAM ENFORCEMENT

3.1 Establish Enforcement Procedures

Within twenty-four (24) months from the effective date of this permit, existing and new permittees shall adopt and implement local ordinance(s) or other regulatory mechanism(s) that provide adequate enforcement procedures that satisfy the requirements of this permit to control pollutant discharges into its MS4.

3.2 Enforcement Requirements

If not already developed, the permittee must establish and exercise enforcement procedures to comply with this permit. To be considered adequate, enforcement procedures must, at a minimum, address the following:

- a. Prohibit and eliminate illicit connections and discharges to the MS4;
- b. Control the discharge of spills, and prohibit dumping or disposal of materials other than stormwater into the MS4;
- c. Require compliance with conditions in the permittee's ordinances, permits, contracts, or orders;
- d. Require owners/operators of construction activities, new or redeveloped land, and industrial and commercial facilities to minimize the discharge of pollutants to the MS4 through the installation, implementation, and maintenance of stormwater control measures;
- e. To the extent allowed under State law, the permittee must have methods to enter private property for the purpose of inspecting at reasonable times any facilities, equipment, practices, or operations related to stormwater discharges to determine whether there is compliance with local stormwater control ordinances/standards;
- f. The permittee must promptly require violators cease and desist illicit discharges or discharges of stormwater in violation of any ordinance or standard and/or cleanup and abate such discharges;
- g. To the extent allowable under State and federal law, the permittee must impose civil or criminal sanctions (including referral to a city or district attorney) and escalate corrective response, consistent with its enforcement response;
- h. Identify departments within the permittee's jurisdiction that conduct stormwater-related activities and their roles and responsibilities under this permit. Include an up-to-date organizational chart specifying these departments and key personnel positions;
- i. Identification of the local administrative and legal procedures and ordinances available to mandate compliance with stormwater-related ordinances and therefore with the conditions of this permit; and
- j. A description of how stormwater related-ordinances are implemented and appealed.

3.3 Enforcement Response Plan(s)

The permittee shall develop an enforcement response plan (ERP) that specifies how it will exercise its legal authority to comply with this permit. The ERP shall include a prioritization schedule that establishes escalated enforcement for non-compliance of illicit discharges and construction activities. In developing the ERP, the permittee shall include the following factors in prioritizing escalated enforcement: severity of non-compliance, repeated non-compliance, proximity to a receiving water or storm sewer system, and other appropriate factors. The ERP must be developed and implemented within twenty-four (24) months of obtaining permit coverage.

4.0 STORM SEWER SYSTEM MAPPING

The permittee must prepare and maintain an up-to-date map of the municipal separate storm sewer system. At a minimum, the map system must be sufficient in scope and detail to identify and isolate illicit discharges. The permittee is not required to submit storm sewer system mapping infrastructure to ADEQ unless specifically requested, and shall make mapping information available to ADEQ or EPA to assess permit compliance.

4.1 Develop a map that includes, at a minimum, the following components:

- a. Storm sewer system (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains that are owned or operated by the permittee and convey stormwater to Waters of the U.S.),
- b. Location of all outfalls, and
- c. Name and location of all Waters of the U.S. that receive discharges from outfalls.

4.2 Existing permittees shall update map(s) within twelve (12) months from the effective date of this permit to include areas added as a result of the most recent Decennial Census (including annexed areas) and annually thereafter. Updates shall include mapping components identified in Section 4.1 above.

4.3 New permittees must include a mapping schedule in their NOI. The schedule must include how the permittee will conduct the mapping process, a timeline, measurable goals and estimated completion date(s). The permittee shall have its storm system mapped by the end of the fourth year of permit coverage.

4.4 The permittee must include a narrative description of the status of storm sewer system mapping, outfall mapping, and waters of the U.S. that receive discharges from the outfalls (including percent complete) in each annual report (see Part 8.3).

5.0 STORMWATER MANAGEMENT PROGRAM

The permittee shall develop, implement, and enforce a SWMP that is designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act. The program shall be documented and available for review by ADEQ, U.S. EPA, and interested persons.

Existing permittees shall modify or update their existing SWMP to meet the terms and conditions of this permit within six (6) months of the effective date of this permit.

New permittees shall develop a SWMP that meets the conditions of this permit within one (1) year of the effective date of this permit.

At a minimum, all permittees must annually assess, evaluate, and update the BMPs and SWMP and incorporate any revisions necessary to maintain permit compliance. The annual SWMP review must occur in connection with preparing the annual report (see Parts 8.1 and 8.3).

5.1 Contents of the Stormwater Management Program

At a minimum, the SWMP shall contain the following:

- a. Listing of all receiving waters, their classification under the applicable state water quality standards, any impairment(s) and associated pollutant(s) of concern, applicable TMDLs and WLAs, and number of outfalls from the MS4 that discharge to each waterbody;
- b. The process and schedule for creating and maintaining an up-to-date map that includes, at a minimum, the storm sewer system, outfalls, and receiving waters;
- c. Listing of all discharges that cause or contribute to the exceedance of an applicable surface water quality standard;
- d. Description of any other practices to achieve compliance with Part 6.1 and 6.2;
- e. Description of practices to achieve compliance with Parts 6.3 and 6.4 (MEP and MCM requirements). For each permit condition identify:
 1. The personnel, position or department responsible for the measure,
 2. The BMPs for each control measure or permit requirement, and
 3. The measurable goal(s) for each BMP. Each measurable goal shall include milestones and timeframes for its implementation and have a quantity and/or quality associated with its endpoint. Each goal shall have a measure of assessment.
- f. Description of practices to achieve compliance with applicable TMDLs or waste load allocation, including measurable goal(s) for each BMP and corresponding milestones and timeframes. Each goal must have an associated measure of assessment;
- g. Analytical monitoring program for impaired or not-attaining waters, and for Outstanding Arizona Waters to ensure compliance with permit limitations, wasteload allocation(s), and surface water quality standards.

The analytical monitoring program shall include a Sampling and Analyses Plan (SAP) that includes the following minimum components: sample collection, equipment and containers, decontamination, calibration procedures, sample frequency (based on illicit discharge characteristics), document site conditions, field notes, sample preservation, tracking (chain-of-custody), and handling;

- h. Protocol for annual program evaluation (Part 8.1). Update annually and maintain copies; and
- i. Identification of personnel (department, position, etc.) responsible for program implementation.

5.2 Stormwater Management Plan Availability

The permittee shall retain a copy of the current SWMP required by this permit at the office or facility identified on the NOI and shall be available upon request by ADEQ or U.S. EPA, or their authorized representatives.

A copy of the most up-to-date SWMP shall be made available to the public during normal business hours and posted on the permittee's website.

6.0 EFFLUENT LIMITATIONS

The permittee shall develop, implement and enforce a program to reduce the discharge of pollutants from the MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act and the Arizona Surface Water Quality Standards.

6.1 Water Quality Based Effluent Limitations

Pursuant to Clean Water Act 402(p)(3)(B)(iii), this permit includes provisions to ensure that discharges from the permittee's small MS4 do not cause or contribute to an exceedance of surface water quality standards, in addition to requirements to reduce the discharge of pollutants to the maximum extent practicable.

6.2 Surface Water Quality Standards

The permittee shall implement the six (6) minimum control measures specified in Part 6.4 to the maximum extent practicable to protect water quality, and to satisfy water quality requirements of the Clean Water Act, including attainment of surface water quality standards.

If the permittee discovers, or is otherwise notified by ADEQ or U.S. EPA, that a discharge from the MS4 is causing or contributing to an exceedance of an applicable surface water quality standard, the permittee shall expand or better tailor its BMPs within the scope of the six (6) minimum control measures in Part 6.4 to achieve progress toward attainment of surface water quality standards.

To assure compliance with permit limitation, ADEQ may require the permittee to conduct analytical monitoring and will provide notice to the permittee in writing (see also Part 7).

6.3 Requirements to Reduce the Discharge of Pollutants

The permittee shall reduce the discharge of pollutants to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate requirements of the Clean Water Act by implementing the six (6) minimum control measures in part 6.4.

6.4 Minimum Control Measures

- a. Existing permittees shall continue to implement their existing SWMPs while making updates pursuant to this permit. This permit does not extend the compliance deadlines set forth in Permit AZG2002-002.
- b. Implementation of one (1) or more of the minimum control measures described in Parts 6.4.1 - 6.4.6 or other permit requirements may be shared with another entity (including another interconnected MS4) or the other entity may fully implement the measure or requirement, if the following requirements are satisfied:
 - The other entity implements the control measure as specified in the SWMP;
 - The particular control measure or component thereof undertaken by the other entity is at least as stringent as the corresponding permit requirement;
 - The other entity agrees to implement the control measure on the permittee's behalf. The annual report must specify that the permittee is relying on another entity to satisfy some of its permit obligations and specify what those obligations are;
 - The permittee remains responsible for compliance with all permit obligations if the other entity fails to implement the control measures (or component thereof). The permittee may enter into a legally-binding agreement with the other entity regarding the other entity's

performance of control measures, but the permittee remains ultimately responsible for permit compliance.

6.4.1 Public Education and Outreach

Objective: The permittee shall implement an education program that includes educational goals based on stormwater issues of significance within the MS4 area. The program shall include a focus on pollutants of concern for impaired and TMDL waters, and priority waters that receive a discharge from the MS4. The ultimate objective of a public education program is to increase knowledge and change behavior of the public so that pollutants in stormwater are reduced.

6.4.1.1 The permittee shall implement the public education program required by 40 CFR §122.34(b)(2) by distributing educational material to the MS4 community. The educational program shall define goals, express specific messages, define the targeted audience for each message, and identify responsible parties for program implementation. At a minimum, the program shall provide information concerning the impact of stormwater discharges on water bodies within the community, especially waters that are impaired, not-attaining, or identified as Outstanding Arizona Waters. The program shall identify steps and/or activities the public can take to reduce the pollutants in stormwater runoff and their impacts to the environment.

6.4.1.2 The program shall focus on messages for specific audiences as well as show progress toward the defined educational goals of the program. The permittee shall identify methods that it will use to evaluate the effectiveness of the educational messages and the overall education program. Any methods used to evaluate the effectiveness of the program shall be tied to the defined goals of the program and the overall objective of changes in behavior and knowledge.

6.4.1.3 The permittee shall modify any ineffective messages or distribution techniques.

6.4.1.4 The permittee shall document in each annual report: the messages for each audience; the method of distribution; the measures/methods used to assess the effectiveness of the messages, and the method/measures used to assess the overall effectiveness of the education program.

6.4.2 Public Involvement and Participation

Objective: The permittee shall provide opportunities to engage the public to participate in the review and implementation of the permittee's SWMP.

6.4.2.1 All public involvement activities shall comply with state and local public notice requirements. The SWMP and all annual reports shall be available to the public. The permittee is encouraged to satisfy this requirement by posting records online.

6.4.2.2 The permittee shall annually provide the public an opportunity to participate in the review and implementation of the SWMP.

6.4.2.3 The permittee shall report on the activities undertaken to provide public participation opportunities including compliance with Part 6.4.2.1. Public participation opportunities pursuant to Part 6.4.2.2 may include, but are not limited to, websites, hotlines, clean-up teams, monitoring teams, or an advisory committee.

6.4.3 Illicit Discharge Detection and Elimination (IDDE) Program

The permittee shall implement an IDDE program to systematically find and eliminate sources of non-stormwater to its municipal separate storm sewer system and to implement procedures to prevent illicit connections and discharges.

The IDDE program shall be recorded in a written document. The IDDE program shall include each of the elements described in Part 6.4.3.8 (a through c), unless the permittee provides a written explanation within the IDDE program as to why a particular element is not applicable to the permittee. For existing permittees, the written IDDE program shall be completed within six (6) months of the effective date of this permit. For new permittees, the written IDDE program shall be completed within one (1) year of the effective date of the permit. The permittee shall implement the IDDE program in accordance with the goals and milestones set forth in Parts 5.0 and 6.4.3.

6.4.3.1. Definitions and Prohibitions

The permittee shall prohibit illicit discharges (including sanitary sewer overflows) to and from its MS4 and require removal of such discharges consistent with Part 6.4.3.5 of this permit. An illicit discharge is any discharge to a municipal separate storm sewer that is not composed entirely of stormwater *except*:

- a. Discharges authorized under a separate NPDES permit that authorize a discharge to the MS4;
- b. Non-stormwater discharges allowed by Part 1.3.2.

6.4.1.5 Enforcement Procedures

The IDDE program must ensure the permittee has adequate enforcement procedures to accomplish the following tasks: prohibit illicit discharges; investigate suspected illicit discharges; eliminate illicit discharges, including discharges from properties not owned or operated by the MS4 that discharge into the MS4 system; and implement appropriate enforcement procedures and actions. Adequate enforcement procedures consists of a current effective ordinance, by-law, or other regulatory mechanism. For existing permittees, the ordinance, by-law, or other regulatory mechanism was a requirement of AZG2002-002 and is required to be effective under that permit. The written IDDE program shall include a reference or citation of the authority the permittee will use to implement all aspects of the IDDE program as specified in Part 3.0.

6.4.3.3 Statement of IDDE Program Responsibilities

The permittee shall establish a written statement that clearly identifies responsibilities with regard to eliminating illicit discharges. The statement shall identify the lead municipal agency or department responsible for implementing the IDDE Program as well as any other agencies or departments that may have responsibilities for aspects of the program. Where multiple departments and agencies have responsibilities to the IDDE program, specific areas of responsibility shall be defined and processes for coordination and data sharing shall be established and documented.

6.4.3.4 Illicit Discharge Prevention and Reporting

The permittee shall develop and implement process(es) and procedures designed to prevent, identify, report, and mitigate illicit discharges to and from the MS4 (this may be a part of the education program required by Part 6.4.1; reporting (hotlines), and training of public employees involved in the IDDE program).

6.4.3.5 Eliminating Illicit Discharges

Illicit discharges to the MS4 are prohibited and constitutes a violation of this permit when the permittee is not fully implementing applicable permit requirements and the SWMP.

Upon detection of an illicit discharge, the permittee shall eliminate it as expeditiously as possible. The permittee shall identify and notify all responsible parties for any such discharge and require immediate cessation in accordance with its legal authorities. Where elimination of an illicit discharge is not immediately possible, the permittee shall establish an expeditious schedule for its elimination and report the dates of identification and schedules for removal in the permittee's annual reports. The permittee shall immediately commence actions necessary for elimination. In the interim, the permittee shall take all reasonable and prudent measures to minimize the discharge of pollutants to its MS4.

To the extent known, the permittee shall include in the annual report the following information: the location of the illicit discharge and its source(s); a description of the discharge; estimated illicit discharge duration; the method of discovery; date of discovery; date of elimination; mitigation or enforcement action; responsible person (if known); and estimated volume.

6.4.3.6 Non-Stormwater Discharges

The non-stormwater discharges identified in Part 1.3.2 do not need to be addressed as an illicit discharge unless it is determined by the permittee that any of these sources is a significant contributor of pollutants. Non-stormwater discharges from the MS4 that cause or contribute to a violation of a surface water quality standard where the permittee fails to take action to eliminate the discharge of pollutants constitutes a permit violation.

6.4.3.7 Existing Permittees IDDE Programs

During the development of the new components of the IDDE program required by this permit, existing permittees must continue to implement their current IDDE program required by the AZG2002-002 to detect and eliminate illicit discharges to its MS4.

6.4.3.8 Visual Monitoring

The permittee shall develop, implement, and maintain a visual monitoring program that includes both dry weather and stormwater discharges to identify, monitor, and eliminate illicit discharges; and to ensure compliance with effluent limitations in this permit.

The monitoring programs shall include written procedures for conducting visual monitoring of outfalls from the MS4.

Monitoring procedures shall include, at a minimum, the following information/observations: outfall identification, personnel, time, date, weather conditions at time of inspection, estimated flowrate, apparent odor, color, clarity, debris, floatables, and other necessary information to characterize the screening.

In the event an illicit discharge is discovered as a result of dry or wet weather outfall monitoring, the permittee shall implement measures to eliminate the illicit discharge (part 6.4.3.5).

For each confirmed illicit discharge, the permittee shall include in the annual report the following information: the location of the discharge and its source(s); a description of the discharge; estimated illicit discharge duration; the method of discovery; date of discovery; date of elimination; mitigation or enforcement action; responsible person (if known); and estimated volume.

a) Visual Dry Weather Outfall Monitoring

Within six (6) months of obtaining authorization to discharge, the permittee shall develop and implement a visual, dry weather outfall monitoring program. Dry weather monitoring must be conducted at least 72 hours after a storm event that resulted in a discharge from the storm sewer system.

The permittee shall document and include findings of dry weather monitoring in the annual report.

b) Visual Stormwater Discharge Monitoring

The permittee shall identify a minimum of five (5) outfalls that are representative of its stormwater discharges to conduct visual stormwater discharge monitoring. If the permittee has less than five (5) outfalls, then the permittee shall monitor all outfalls as part of the stormwater discharge monitoring program. In the event a Small MS4 does not have five (5) outfalls, a minimum of five (5) screening points, or combination of outfalls and screening points, shall be utilized. Screening points shall be at locations where stormwater leaves the Small MS4's permitted area including locations where stormwater may discharge to another MS4 or other conveyance. The outfalls / screening points selected for visual stormwater discharge monitoring shall be identified in the NOI.

Within six (6) months of obtaining authorization to discharge, the permittee shall develop and implement a stormwater discharge visual monitoring program. The stormwater discharge monitoring program must be conducted in response to a storm event that results in a discharge from the storm sewer system and, to the extent practicable, should include the first flush.

The permittee shall conduct a minimum of two (2) stormwater discharge monitoring events during each wet season of the representative outfall(s) and shall document and include findings in the annual report.

Summer Wet Season: June 1 through October 31
Winter Wet Season: November 1 through May 31

In the event a permittee cannot access any outfall(s) during a wet weather discharge, the permittee shall conduct wet weather screening as soon as practicable after the storm or discharge event.

Visual Stormwater Discharge Monitoring Alternative – the permittee may elect to submit in its NOI (see part 2.1.1) alternative practices to visual stormwater discharge monitoring. In doing so, the permittee shall include a written description as to how and why the proposed alternative is as effective, or more effective, than visual stormwater discharge monitoring.

c) Follow-up Screening

The permittee shall establish a follow-up screening schedule for identified or suspected illicit discharges to ensure they do not recur.

6.4.3.9 Indicators of IDDE Program Progress

The permittee shall define or describe indicators for tracking program success. At a minimum, indicators shall include measures that demonstrate efforts to locate illicit discharges identified and removed. Such measures may include response time to inspection, public awareness, time from discovery to elimination, and other appropriate factors.

The permittee shall evaluate and report the overall effectiveness of the program based on the tracking measures outlined in Part 6.4.3.8 in the annual program evaluation and in the annual report.

6.4.3.10 Staff Training

The permittee shall, at a minimum, provide annual training to employees involved in the IDDE program (e.g., street workers, inspectors, solid waste personnel, etc.). The training must include the IDDE program components and how to recognize illicit discharges. The permittee shall report on the frequency and type of employee training in the annual report.

6.4.3.11 Unpermitted (Illicit) Discharges to the MS4

The permittee shall develop, implement, and enforce a program to actively identify facilities and activities (e.g., industrial facilities, construction activities, etc.) that discharge to the MS4 without an AZPDES/NPDES permit.

The permittee shall include the number of facilities contacted each year in the annual report and shall include the facility name, type of activity conducted at the facility (including SIC code, to the extent known), and whether or not the facility has AZPDES permit coverage, if known or available.

A description of the permittee's illicit discharge program shall be included in the SWMP.

6.4.4 Construction Activity Stormwater Runoff Control

The permittee must develop, implement, maintain, and enforce a construction activity stormwater runoff control program to minimize or eliminate pollutant discharges to the MS4s from construction activities that will disturb one (1) or more acres of land, including sites less than one (1) acre that are part of a common plan of development or sale.

6.4.4.1 Construction Activity Stormwater Runoff Implementation

Existing and new permittees must assess existing legal authority, codes, and other relevant mechanisms and adopt, and implement measures to ensure compliance with construction activity runoff timeframe(s) specified in Part 3.1.

6.4.4.2 Construction Activity Stormwater Runoff Program Components

The construction activity stormwater runoff control program shall include, at a minimum, the elements in Paragraphs a. through h. of this part:

- a. An ordinance or other regulatory mechanism that requires the use of sediment and erosion control practices.
- b. An inventory of all construction activities that disturb or will disturb one (1) or more acres within the permitted area, including those that are less than one (1) acre but are part of a larger common plan of development or sale if the larger common plan will ultimately disturb greater than one (1) acre.
- c. Written procedures for site inspections and enforcement of sediment and erosion control measures. If not already existing, these procedures shall be completed within one (1) year from the date of submitting an NOI to ADEQ. The procedures shall clearly define who is responsible for site inspections as well as who has authority to implement enforcement procedures. The program must allow the permittee, to the extent authorized by law, to impose sanctions ensuring compliance with the local program. These procedures and regulatory authorities shall be documented in the SWMP.
- d. In developing construction activity inspection frequency, the permittee shall consider, at a minimum, the following:
 1. Phase of construction;
 2. Proximity to an impaired, not-attaining water or Outstanding Arizona Water;
 3. Size of the construction activity (acreage disturbed); and
 4. History of non-compliance (site or operator).
- e. Based on construction activity inspection findings, the permittee must take all necessary follow-up actions (i.e., re-inspection, enforcement) to ensure compliance in accordance with the permittee's enforcement response plan required under Part 3.3.
- f. Requirements for construction operators to implement sediment and erosion control BMPs appropriate for the conditions at the construction activity. Examples of appropriate sediment and erosion control measures for construction activities include local requirements to:
 1. Minimize the amount of disturbed area and protect natural resources;
 2. Stabilize sites when projects are complete or operations have temporarily ceased;
 3. Protect slopes on the site of the construction activity;
 4. Protect storm drain inlets and armor all newly-constructed outlets;
 5. Use perimeter controls at the site;

6. Stabilize entrance(s) and exit(s) at the location of the construction activity to prevent off-site tracking; and
 7. Inspect stormwater controls at consistent intervals.
- g. Requirements to control wastes, including but not limited to: discarded building materials; paints; fertilizers; concrete wash out; chemicals; litter; and sanitary wastes.
 - h. Written procedures for site plan review. If not already existing, the procedures for site plan review which incorporate consideration of potential water quality impacts shall be completed within one (1) year from date the NOI is submitted to ADEQ. Site plan review shall include: a review by the permittee of the site design; the planned operations at the location of the construction activity; planned stormwater controls during the construction phase; and the planned controls to be used to manage runoff created after development (see 6.4.5).

6.4.4.3 Personnel Qualifications

The permittee shall ensure staff who conduct activities related to implementing the construction stormwater program (permitting, plan review, construction activity inspections, enforcement, etc.) have the knowledge, skills, and abilities to proficiently carryout their assigned duties.

6.4.4.4 Construction Activity Operator Education and Public Involvement

The permittee must develop and implement a program to provide education to construction activity operators on erosion and sediment control best management practices requirements and establish procedures for receipt of and consideration of information submitted by the public (see also Part 6.4.2).

6.4.4.5 Tracking and Recordkeeping

The permittee must track the number of inspections and re-inspections of construction activities to verify the sites are inspected at the frequency established under Part 6.4.4.2 (d) and (e) and include this information in the annual report.

6.4.5 Post-Construction Stormwater Management in New Development and Redevelopment

Permittees shall develop, implement, and enforce a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb one (1) or more acres of land (or less than one (1) acre if part of a common plan of development) that discharge into the permittee's MS4.

The post-construction stormwater management program must include a combination of structural and/or non-structural best management practices, as well as the components identified in this section.

Permittees shall maintain all records associated, including enforcement actions, in accordance with Part 8.2

6.4.5.1 Regulatory Mechanism for Post-Construction Stormwater Controls

The new development/redevelopment program shall include an ordinance or regulatory mechanism to address runoff from new development and redevelopment projects.

The regulatory mechanism must specify that owners or operators of new development and redevelopment sites discharging to the MS4, design, install, and maintain post-construction stormwater controls that reduce or eliminate the discharge of pollutants from the site after construction activities are completed.

Permittees must evaluate existing ordinance or other regulatory mechanism(s) to address post-construction stormwater runoff from new development and redevelopment projects. If it is determined existing ordinances or other regulatory mechanism(s) must be modified, the permittee must develop, adopt and implement a revised ordinance or other mechanism within the timeframes(s) specified in Part 3.1.

The permittee's new development/redevelopment program shall have procedures to ensure any stormwater controls or management practices for new development and redevelopment will prevent or minimize impacts to water quality from stormwater runoff.

6.4.5.2 Site Plan Review

The permittee shall design, implement, and maintain a site plan review process to evaluate and approve post-construction stormwater controls.

6.4.5.3 Post-Construction Stormwater Control Inventory

Within the first year of the effective date of this permit, the permittee shall implement and maintain an inventory system of all post-construction structural stormwater control measures installed and implemented at new development and redeveloped sites, including both public and private sector sites located within the permit area that discharge into the MS4. The inventory must be searchable by property location (either on paper or electronic) or other relevant criteria.

6.4.5.4 Operation and Maintenance of Post-Construction BMPs

The permittee shall establish processes, procedures, and other such provisions necessary to ensure the long-term operation and maintenance of post-construction stormwater BMPs.

6.4.6 Pollution Prevention and Good Housekeeping for Municipal Operations

The permittee must develop, implement, and maintain an operations and maintenance program that includes a training component with the ultimate goal of preventing or reducing pollutant runoff and protecting water quality from municipal facilities and activities. The provisions in this part apply to facilities and activities that are not subject to separate AZPDES permitting.

Existing permittees must continue to implement established operation and maintenance programs while updating those programs, as necessary, to comply with the requirements of this permit. Program updates must be developed and implemented within six (6) months of obtaining permit coverage.

New permittees must develop and implement the following program requirements within one (1) year of obtaining permit coverage.

At a minimum, the program must include:

- a. Develop an inventory of municipal operations that discharge;
- b. Prioritize municipal facilities based on their risk to discharge pollutants and develop and implement a site inspection schedule (example, more frequent inspections for higher risk facilities, less frequent inspections for lower risk facilities);
- c. Develop and implement an inspection schedule for municipally-owned and operated facilities and activities to ensure stormwater controls are effective and being properly maintained;
- d. Based on inspection findings, update municipally-owned or operated facilities priority status and modify inspection frequency, as appropriate;
- e. Develop and implement stormwater controls at municipally-owned or operated facilities and discharge activities to reduce or eliminate the discharge of pollutants;
- f. Develop and implement an employee training program to incorporate pollution prevention and good housekeeping techniques into everyday operations and maintenance activities; and
- g. Develop maintenance activities, maintenance schedules, and long-term inspections procedures for structural and non-structural stormwater controls to reduce floatables, trash, and other pollutants discharged from the MS4.

7.0 ANALYTICAL MONITORING

In addition to analytical monitoring of municipal stormwater discharges to impaired, not-attaining waters and Outstanding Arizona Waters (OAWs), ADEQ may notify the permittee in writing of additional monitoring requirements to ensure protection of receiving water quality or to ensure permit compliance. Additional monitoring will be required if there is evidence that a pollutant is being discharged by the permittee that may be causing or contributing to exceedances of a water quality standard. Any such notice will provide an explanation of the reasons for the monitoring, locations, and parameters to be monitored, frequency and period of monitoring, sample types, and reporting requirements.

Analytical monitoring shall be conducted in accordance with approved test methods in accordance with A.A.C. R18-9-A905(B).

7.1 General Monitoring Requirements

The monitoring provisions of this Part apply to permittees that must conduct analytical monitoring. The permittee shall collect and analyze stormwater samples and document monitoring activities consistent with the procedures described in Part 6.4.3.8 and Part 9.

- a. The purpose of the monitoring section of this permit is to:
 1. Assess the impacts to impaired, not-attaining, or Outstanding Arizona Waters (OAWs) resulting from stormwater discharges from Small MS4 outfalls;
 2. Characterize stormwater discharges;
 3. Identify sources of elevated pollutant loads and specific pollutants; and
 4. Assess the overall health and evaluate long-term trends in water quality of impaired, not attaining, or OAWs.
- b. The permittee shall identify in the SWMP and annual reports discharges that:
 1. Discharge to impaired waters listed on the Arizona's 303(d) list (Category 5) and those listed as not attaining (Category 4) on Arizona's Water Quality Assessment report;
 2. Discharges to OAWs listed in A.A.C. R18-11-112; and
 3. Additional monitoring required by ADEQ.
- c. Annual reporting requirements for outfall monitoring are included in Part 8.3.
- d. Analytical Monitoring Schedule:
 1. Existing Permittees – Impaired, not-attaining, and OAW monitoring must be fully implemented no later June 1, 2017.
 2. New Permittees – Impaired, not-attaining, and OAW monitoring must be fully implemented no later than November 1, 2017.
 3. Alternative schedule specified by ADEQ.

The required monitoring events may be distributed during seasons when precipitation occurs, or when snowmelt results in a measurable discharge from the site. Wet seasons apply statewide and are defined as follows:

| | |
|--------------------|---------------------|
| Summer wet season: | June 1 – October 31 |
| Winter wet season: | November 1 – May 31 |

The term 'wet season' includes areas of the state where freezing conditions exist that prevent runoff from occurring for extended periods. In areas where freezing conditions exist, the required monitoring and sample collection may be distributed during seasons when precipitation runoff, either as melting snow or rain mixed with melting snow, occurs.

7.2 Discharges to Impaired and Not-Attaining Waters

If an outfall discharges to an impaired or not-attaining water, the permittee shall develop and implement a monitoring program for all pollutants for which the waterbody is listed.

If the waterbody is listed for suspended solids, turbidity or sediment/sedimentation and the discharge occurs for more than 48 hours after the storm event, the permittee shall monitor for suspended sediment concentration (SSC). If the pollutant causing the impairment is expressed in the form of an indicator or surrogate pollutant, the permittee shall monitor for that indicator or surrogate pollutant.

The permittee shall comply with all applicable waste load allocations established in approved TMDLs. In the event monitoring requirements (frequency, analytical parameters, etc.) are established in an approved TMDL, the permittee shall comply with the specifications in the approved TMDL.

7.3 Discharges to Outstanding Arizona Waters

Analytical monitoring of outfalls that discharge to an OAW must be conducted twice per wet season for the entire permit term to assure discharges from the MS4 do not degrade existing water quality, or cause or contribute to an exceedance of an Arizona surface water quality standard. The permittee shall establish a list of analytical parameters to be included in the monitoring program and shall identify the analytical parameter and justification/rationale for selecting the key parameters in the SWMP.

7.4 Tracking

Permittees with outfalls that discharge to impaired, not-attaining, or OAWs shall develop a system to track the information required in the permit and the information required to be reported in the annual report (see Part 8.3). The tracking system shall be developed and implemented within twelve (12) months of the effective date of this permit.

The permittee must implement, and revise as necessary, a comprehensive monitoring and assessment program. A description of this program must be included in the SWMP. The monitoring and assessment program must be designed to meet the following objectives:

- a. Assess compliance with this permit;
- b. Measure the effectiveness of the permittee's stormwater management program;
- c. Assess the chemical, physical, and biological impacts to receiving waters resulting from stormwater discharges;
- d. Characterize stormwater discharges;
- e. Identify sources of specific pollutants;
- f. Detect and eliminate illicit discharges and illegal connections to the MS4; and
- g. Assess the overall health and evaluate long-term trends in receiving water quality.

8.0 PROGRAM ASSESSMENT, RECORDKEEPING, AND REPORTING

8.1 Program Evaluation

8.1.1 The permittee shall annually self-evaluate its compliance with the terms and conditions of this permit. The permittee shall maintain the annual evaluation documentation as part of the SWMP. The permittee shall include this information in the annual report.

8.1.2 The permittee shall evaluate the appropriateness of the selected BMPs in achieving the objectives of each control measure and the defined measurable goals. The permittee may change BMPs in accordance with the following provisions:

- a. Adding (but not subtracting or replacing) components or controls may be made at any time;
- b. Changes replacing an ineffective or infeasible BMP specifically identified in the SWMP with an alternative BMP may be made if the proposed changes meet the criteria of this Part.

The permittee shall include this information in the annual report.

8.1.3 BMP modification documentation shall include the following information and all documentation shall be kept in the SWMP:

- a. An analysis of why the BMP is ineffective or infeasible;
- b. Expectations on the effectiveness of the replacement BMP; and
- c. An analysis of why the replacement BMP is expected to achieve the defined goals of the BMP to be replaced.

The permittee shall indicate BMP modifications along with a brief explanation of the modification in the annual report.

8.1.4 ADEQ may require the permittee to add, modify, repair, replace or change BMPs or other measures described in the annual reports to address the following:

- a. Impacts to receiving water quality caused or contributed to by discharges from the MS4;
- b. To satisfy conditions of this permit;
- c. To include more stringent requirements necessary to comply with new state or federal legal requirements; or
- d. Attainment of surface water quality standards.

Any changes requested by ADEQ will be in writing and will require the permittee to develop a schedule to implement the changes and will offer the permittee the opportunity to propose alternative program changes to meet the objective of the requested modification.

8.2 Recordkeeping

- 8.2.1** The permittee shall keep all records required by this permit for a period of at least three (3) years. Records include information used in the development of any written program required by this permit, any monitoring results, copies of reports, records of screening, follow-up and elimination of illicit discharges; maintenance records; inspection records; enforcement actions; and data used in the development of the notice of intent, SWMP, plans, and annual reports. This list provides examples of records that should be maintained, but is not all inclusive.
- 8.2.2** Records other than those required to be included in the discharge monitoring report (Part 8.3) and annual report (Part 8.4), shall be submitted upon request by ADEQ, or U.S. EPA.
- 8.2.3** The permittee shall make the records relating to this permit, including the written stormwater management program, available to the public. The public may view the records during normal business hours. The permittee may charge a reasonable fee for copying requests. The permittee is encouraged to satisfy this requirement by posting records online.

8.3 Discharge Monitoring Report

The permittee must submit all monitoring results (analytical and visual monitoring results) on a discharge monitoring report (DMR) in a manner prescribed by ADEQ (electronic, paper format, etc.). In the event electronic reporting becomes available, permittees must submit analytical and visual monitoring results using an online program or portal application prescribed by ADEQ (or U.S. EPA). DMRs must be submitted no later than September 30 of each year and shall include analytical and visual monitoring results for the period July 1 through June 30 of the preceding calendar year.

8.4 Annual Report

The permittee shall submit an annual report each year of the permit term to ADEQ. The reporting period is from July 1 through June 30 each year. The annual report is due to ADEQ on or before September 30 each year for the reporting period. The annual reports shall contain the following information:

- a. The status of compliance with the permit terms and conditions;
- b. Updates regarding mapping requirements (see Part 4.1), including percent complete;
- c. An evaluation of the appropriateness and efficacy of the selected BMPs;
- d. An assessment of the progress towards achieving the measurable goals and objectives of each control measure in Part 6.4 including description of the targeted messages for each audience; method of distribution and dates of distribution; methods used to evaluate the program; and any changes to the program;
- e. Description of the activities used to promote public participation;
- f. Description of the activities related to implementation of the IDDE program including: status and results of the illicit discharge potential protocols described in Parts 6.4.3.4 (program responsibilities and systematic procedure); number and identifier of assets inspected or evaluated; number and identifier of outfalls screened; number of illicit discharges located; number of illicit discharges removed; and employee training;

- g. All outfall screening and monitoring data collected by or on behalf of the permittee during the reporting period and cumulative for the permit term, including but not limited to all data collected pursuant to Parts 6.4.3 and 7.0;
- h. The status of any plans or activities required by Part 6.4.3 and/or Part 7.1 (impaired and not-attaining waters), including:
 - 1. Identification of all discharges determined to be causing or contributing to an exceedance of water quality standards and description of response;
 - 2. For discharges subject to TMDLs, identification of specific BMPs used to address the pollutant identified as the cause of the impairment and assessment of the BMPs effectiveness at controlling the pollutant;
- i. Status of the construction runoff management including number of project plans reviewed, number of inspections, and number of enforcement actions;
- j. Status of stormwater management for new development and redevelopment including status of ordinance development and review;
- k. Status of the operation and maintenance programs required by Part 6.4.6.1;
- l. Description of any changes in identified BMPs or measurable goals;
- m. Any additional reporting requirements specified in Parts 1-7; and
- n. Description of activities to be conducted during the next reporting cycle.

Reports must be submitted to ADEQ at the following address:

Arizona Department of Environmental Quality
1110 West Washington Street, Mail Code 5451A-1
Phoenix, Arizona 85007

In the event electronic reporting becomes available, permittees must submit their annual reports using an online program or portal application prescribed by ADEQ (or U.S. EPA).

9.0 STANDARD PERMIT CONDITIONS

Standard permit conditions in Part 9 are consistent with the general permit provisions required under 40 CFR 122.41 and A.A.C. R-18-9-A905(A)(3).

1. **Duty to Comply:** [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(a)(1) and A.R.S. §§ 49-261, 262, 263.01, and 263.02.]
 - a. The operator shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act; A.R.S. Title 49, Chapter 2, Article 3.1; and A.A.C. Title 18, Chapter 9, Article 9, and is grounds for enforcement action, permit termination, revocation and reissuance, or modification, or denial of a permit renewal application.
 - b. The issuance of this permit does not waive any federal, state, county, or local regulations or permit requirements with which a person discharging under this permit is required to comply.
 - c. The operator shall comply with any effluent standards or prohibitions established under section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if this permit has not yet been modified to incorporate the requirement.
2. **Duty to Reapply / Continuation of the Expired General Permit:** [A.A.C. R18-9-A905, which incorporates 40 CFR 122.41(b) and A.A.C. R18-9-C903]
 - a. Upon reissuance of the general permit, the permittee shall file an NOI, within the timeframe specified in the new general permit, and shall obtain new written authorization to discharge from the Director.
 - b. If the Director does not reissue the general permit before the expiration date, the current general permit will be administratively continued and remain in force and effect until the general permit is reissued.
 - c. Any operator granted authorization to discharge under the general permit before the expiration date automatically remains covered by the continued general permit until the earlier of:
 - i. Reissuance or replacement of the general permit, at which time the operator shall comply with the NOI conditions of the new general permit to maintain authorization to discharge; or
 - ii. The date the operator has submitted a Notice of Termination; or
 - iii. The date the Director has issued an individual permit for the discharge; or
 - iv. The date the Director has issued a formal permit decision not to reissue the general permit, at which time the operator shall seek coverage under an alternative general permit or an individual permit, or cease discharge.
3. **Need To Halt or Reduce Activity Not a Defense:** [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(c)]

It shall not be a defense for an operator in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
4. **Duty to Mitigate:** [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(d)]

The operator shall take all reasonable steps to minimize or prevent any discharge in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment per A.R.S. § 49-255.01(E)(1)(d).

5. Proper Operation and Maintenance: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(e)]

The operator shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the operator to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures.

6. Permit Actions: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(f)]

This permit may be modified, revoked and reissued, or terminated for cause. Filing a request by the operator for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

7. Property Rights: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(g)]

This permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, nor any infringement of federal, state, Indian tribe, or local laws or regulations.

8. Duty to Provide Information: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(h)]

The operator shall furnish to ADEQ, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The operator shall also furnish to ADEQ upon request, copies of records required to be kept by this permit.

9. Signatory Requirements: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(k) and (l); A.A.C. R18-9-A905(A)(1)(c), which incorporates 40 CFR 122.22]

All Notices of Intent (NOI) and Notices of Termination (NOT) must be signed as follows:

a. NOIs:

- i. For a corporation: By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
- ii. For a partnership or sole proprietorship: By a general partner or the proprietor, respectively; or
- iii. For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal (or state) agency includes: (1) The chief executive officer (or director) of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

- b. All NOTs, reports, plans, inspection reports, monitoring reports, and other information required by this permit must be signed by a person described in Part 9.9(a), above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - i. The authorization is made in writing by a person described in Subsection 9(a) above;
 - ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of manager, operator, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may be either a named individual or any individual occupying a named position); and
 - iii. The signed and dated written authorization is included in the SWMP. A copy must be submitted to ADEQ, upon request.

- c. Certification. Any person signing documents under the terms of this permit shall make the following certification:

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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, 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.

10. Inspection and Entry: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(i)]

The operator shall allow the Director or an authorized representative upon the presentation of credentials and such other documents as may be required by law to:

- a. Enter upon the operator's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
- b. Have access to and copy at reasonable times, any records that must be kept under the conditions of this general permit;
- c. Inspect at reasonable times any facility or equipment (including monitoring and control equipment), practices or operations regulated or required under this permit;
- d. Sample or monitor at reasonable times any substances or parameters at any location, for the purposes of assuring permit compliance or as otherwise authorized by A.R.S. Title 49, Chapter 2, Article 3.1, and 18 A.A.C. 9, Articles 9.

11. Monitoring and Records: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(j)]

- a. Representative Samples/Measurements: Samples and measurements taken for the purpose of monitoring must be representative of the volume and nature of the monitored activity.
- b. Retention of Records: The operator shall retain records of all monitoring information, including all calibration and maintenance records, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date permit coverage ends. Operators shall submit any such records to the Director upon request. The operator shall retain the SWPPP developed in accordance with Part 6 of this permit, for at least three (3) years after the last modification or amendment is made to the plan. The Director may extend this retention period upon request by notifying the operator in writing at any time prior to the end of the standard three year retention period.

- c. Records Contents: Records of monitoring information must include:
 - i. The date, exact location, and time of sampling or measurements;
 - ii. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - iii. The date(s) analyses were performed;
 - iv. The time(s) analyses were initiated;
 - v. The initials or name(s) of the individual(s) who performed the analyses;
 - vi. References and written procedures, when available, for the analytical techniques or methods used;
 - vii. The analytical techniques or methods used; and
 - viii. The results of such analyses.
- d. Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained in this permit is subject to the enforcement actions established under A.R.S. Title 49, Chapter 2, Article 4, which includes the possibility of fines and/or imprisonment.

12. Reporting Requirements: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(l)]

- a. Planned changes: The operator shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
 - i. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b) (incorporated by reference at A.A.C. R18-9-A905(A)(1)(e)); or
 - ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under 40 CFR 122.42(a)(1) (incorporated by reference at A.A.C. R18-9-A905(A)(3)(b)).
- b. Monitoring reports: Monitoring results must be reported at the intervals specified elsewhere in this permit.
 - i. Monitoring results must be reported on a Discharge Monitoring Report (DMR) or forms (paper or electronic) provided or specified by ADEQ.
 - ii. If the operator monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - iii. Calculations for all limitations which require averaging of measurements must use an arithmetic mean and non-detected results must be incorporated in calculations as the limit of quantitation for the analysis.
- c. Anticipated noncompliance: The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.
- d. Twenty-four hour reporting:
 - i. The operator shall report to ADEQ any noncompliance with this permit which may endanger human health or the environment. The operator shall orally notify the office listed below within 24 hours:

Arizona Department of Environmental Quality – Water Quality Division
1110 W. Washington Street
Phoenix, AZ 85007
Office: (602) 771 - 4508

- ii. A written submission shall also be provided to the office identified above within five (5) days of the time the operator becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- iii. The following shall be included as information which must be reported within 24 hours under this paragraph.
 - 1) Any upset which exceeds any effluent limitation in the permit.
 - 2) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit to be reported within 24 hours. (See 40 CFR 122.44(g) which is incorporated by reference at A.A.C. R18-9-A905(A)(3)(d)).
- iv. ADEQ may waive the written report on a case-by-case basis for reports under this subsection if the oral report has been received within 24 hours.
- e. Other noncompliance: The operator shall report all instances of noncompliance not otherwise required to be reported under this subsection, at the time monitoring reports are submitted. The reports shall contain the information listed in subsection 12(d).
- f. Other information: When the operator becomes aware that it failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Department, the operator shall promptly submit the facts or information to ADEQ at the address listed in Part 8.2.

13. Reopener Clause: [A.A.C. R18-9-A905(A)(3)(d), which incorporates 40 CFR 122.44(c)]

The Department may elect to modify the permit prior to its expiration (rather than waiting for the new permit cycle) to comply with any new statutory or regulatory requirements, such as for effluent limitation guidelines, which may be promulgated in the course of the current permit cycle.

14. Other Environmental Laws:

No condition of this general permit releases the operator from any responsibility or requirements under other environmental statutes or regulations. For example, this permit does not authorize the "taking" of endangered or threatened species as prohibited by Section 9 of the Endangered Species Act, 16 U.S.C. 1538. Information regarding the location of endangered and threatened species and guidance on what activities constitute a "taking" are available from the U.S. Fish and Wildlife Service. The operator shall also comply with applicable State and Federal laws, including Spill Prevention Control and Countermeasures (SPCC).

15. State or Tribal Law: [Pursuant to A.A.C. R18-9-A904(C)]

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the operator from any responsibilities, liabilities, or penalties established pursuant to any applicable State or Tribal law or regulation under authority preserved by Section 510 of the Clean Water Act.

16. Severability:

The provisions of this general permit are severable, and if any provision of this general permit, or the application of any provision of this general permit to any circumstance, is held invalid, the application of the provision to other circumstances, and the remainder of this general permit shall not be affected.

17. Requiring Coverage under an Individual Permit or an Alternative General Permit: [Pursuant to A.A.C. R18-9-C902 and R18-9-A909]

- a. The Director may require a person authorized by this permit to apply for and/or obtain either an individual AZPDES permit or an alternative AZPDES general permit. Any interested person may petition the Department to take action under this section. The Department may require an operator authorized to discharge under this permit to apply for an individual permit in any of the following cases:
 - i. A change occurs in the availability of demonstrated technology or practices for the control or abatement of pollutants applicable to the point source;
 - ii. Effluent limitation guidelines are promulgated for point sources covered by the general permit;
 - iii. An Arizona Water Quality Management Plan containing requirements applicable to the point sources is approved;
 - iv. Circumstances change after the time of the request to be covered so that the discharger is no longer appropriately controlled under the general permit, or either a temporary or permanent reduction or elimination of the authorized discharge is necessary;
 - v. If the Director determines that the discharge is a significant contributor of pollutants. When making this determination, the Director shall consider:
 - 1) The location of the discharge with respect to waters of the United States,
 - 2) The size of the discharge,
 - 3) The quantity and nature of the pollutants discharged to waters of the U.S., and
 - 4) Any other relevant factor.
- b. If an individual permit is required, the Director shall notify the discharger in writing of the decision. The notice shall include:
 - i. A brief statement of the reasons for the decision;
 - ii. An application form;
 - iii. A statement setting a deadline to file the application;
 - iv. A statement that on the effective date of issuance or denial of the individual permit, coverage under the general permit will automatically terminate;
 - v. The applicant's right to appeal the individual permit requirement with the Water Quality Appeals Board under A.R.S. § 49-323, the number of days the applicant has to file a protest challenging the individual permit requirement, and the name and telephone number of the Department contact person who can answer questions regarding the appeals process; and
 - vi. The applicant's right to request an informal settlement conference under A.R.S. 41-1092.03(A) and 41-1092.06.
- c. The discharger shall apply for an individual permit within 90 days of receipt of the notice, unless the Director grants a later date. In no case shall the deadline be more than 180 days after the date of the notice.
- d. If the discharger fails to submit the individual permit application within the time period established in Part 9.17(c) the applicability of the general permit to the discharger is automatically terminated at the end of the day specified by the Director for application submittal.
- e. Coverage under the general permit shall continue until an individual permit is issued or denied unless the general permit coverage is terminated under Part 9.17(d).

18. Request for an Individual Permit: [Pursuant to A.A.C. R18-9-C902]

- a. An operator may request an exclusion from coverage of a general permit by applying for an individual permit.
 - i. The operator shall submit an individual permit application under R18-9-B901(B) and include the reasons supporting the request no later than 90 days after publication of the general permit.
 - ii. The Director shall grant the request if the reasons cited by the operator are adequate to support the request.
- b. If an individual permit is issued to a person otherwise subject to a general permit, the applicability of the general permit to the discharge is automatically terminated on the effective date of the individual permit.

19. Change of Operator: [A.A.C. R18-9-C904]

If a change of ownership or operator occurs for a facility operating under a general permit:

- a. Permitted owner or operator: The operator shall provide the Department with a Notice of Termination by certified mail within 30 days after the new owner or operator assumes responsibility for the facility.
 - i. The Notice of Termination shall include all requirements for termination specified in the general permit for which the Notice of Termination is submitted.
 - ii. An operator shall comply with the permit conditions specified in the general permit for which the Notice of Termination is submitted until the Notice of Termination is received by the Department.
- b. New owner or operator:
 - i. The new owner or operator shall complete and file a Notice of Intent with the Department within the time period specified in the general permit before taking over operational control of, or initiation of activities at, the facility.
 - ii. If the previous operator was required to implement a stormwater pollution prevention plan, the new owner shall develop a new stormwater pollution prevention plan, or may modify, certify, and implement the old stormwater pollution prevention plan if the old stormwater pollution prevention plan complies with the requirements of the current general permit.
 - iii. The operator shall provide the Department with a Notice of Termination if a permitted facility ceases operation, ceases to discharge, or changes operator status. In the case of a construction activity, the operator shall submit a Notice of Termination to the Department when:
 - 1) The facility ceases construction operations and the discharge is no longer associated with construction or construction-related activities,
 - 2) The construction is complete and final site stabilization is achieved, or
 - 3) The operator's status changes.

20. Bypass: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(m)]

- a. Definitions:
 - i. Bypass means the intentional diversion of waste streams from any portion of a treatment facility;

- ii. Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
 - b. Bypass not exceeding limitations: The operator may allow any bypass to occur that does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions Part 9.20(c) and 20(d).
 - c. Notice:
 - i. Anticipated bypass. If the operator knows in advance of the need for a bypass, if possible prior notice shall be submitted at least ten days before the date of the bypass.
 - ii. Unanticipated bypass. The operator shall submit notice of an unanticipated bypass as required in Part 9.12(d).
 - d. Prohibition of bypass:
 - i. Bypass is prohibited, and ADEQ may take enforcement action against the operator for bypass, unless:
 - 1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - 2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - 3) The operator submitted notices as required under Part 9.20(c).
 - ii. ADEQ may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three conditions listed above in this Part 9.20(d).
- 21. Upset:** [A.R.S. §§ 49-255(8) and 255.01(E), A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(n)]
- a. Definition: Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the operator. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
 - b. Effect of an upset: An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of Part 9.21(c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
 - c. Conditions necessary for a demonstration of upset: An operator who wishes to establish the affirmative defense of upset must demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - i. An upset occurred and that the operator can identify the cause(s) of the upset;
 - ii. The permitted facility was at the time being properly operated;

- iii. The operator submitted notice of the upset as required in Part 9.12(d)(iii); and
 - iv. The operator complied with any remedial measures required under Part 9.4.
- d. Burden of proof: In any enforcement proceeding, the operator, who is seeking to establish the occurrence of an upset, has the burden of proof.

22. Penalties for Violations of Permit Conditions

Any permit noncompliance constitutes a violation and is grounds for an enforcement action, permit termination, revocation and reissuance, modification, or denial of a permit renewal application.

- a. Civil Penalties: A.R.S. § 49-262 provides that any person who violates any provision of A.R.S. Title 49, Chapter 2, Article 2, 3 or 3.1 or a rule, permit, discharge limitation or order issued or adopted under A.R.S. Title 49, Chapter 2, Article 3.1 is subject to a civil penalty not to exceed \$25,000 per day per violation.
- b. Criminal Penalties: Any person who violates a condition of this general permit, or violates a provision under A.R.S. Title 49, Chapter 2, Article 3.1, or A.A.C. Title 18, Chapter 2, Article 9 is subject to the enforcement actions established under A.R.S. Title 49, Chapter 2, Article 4, which may include the possibility of fines and/or imprisonment.

10.0 DEFINITIONS

1. **Analytical monitoring** – means monitoring conducted to provide quantitative results in accordance with A.A.C. R18-9-A905(B).
2. **Best management practices (BMPs)** – means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of “waters of the United States.” BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.
3. **Common plan of development** – a contiguous area where multiple separate and distinct land disturbing activities may be taking place at different times, on different schedules, but under one plan. A ‘plan’ is broadly defined to include design, permit application, advertisement or physical demarcation indicating that land-disturbing activities may occur.
4. **Construction activity** – means earth-disturbing activities such as, clearing, grading, excavating, stockpiling of fill material and other similar activities. This definition encompasses both large construction activities defined in 40 CFR 122.26 (b)(14)(x) and small construction activities in 40 CFR 122.26 (b)(15)(i) and includes construction support activities.
5. **Controls or Control Measures or Measures** – means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or control the pollution of waters of the United States. Controls also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.
6. **CWA or The Act** means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub.L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et.seq.
7. **Department** – the Arizona Department of Environmental Quality.
8. **Discharge** – when used without qualification means the “discharge of a pollutant.”
9. **Discharge of a pollutant** – any addition of any “pollutant” or combination of pollutants to “waters of the United States” from any “point source,” or any addition of any pollutant or combination of pollutants to the waters of the “contiguous zone” or the ocean from any point source other than a vessel or other floating craft which is being used as a means of transportation. This includes additions of pollutants into waters of the United States from surface runoff which is collected or channeled by man. Sec 40 CFR 122.2.
10. **Discharge point** – the location where stormwater flows exit the construction activity.
11. **Effluent limitations** – means any limitation or condition on quantities, discharge rates, or concentration of pollutants which are discharged from a point source.
12. **Effluent Limitations Guideline (ELG)** – defined in 40 CFR § 122.2 as a regulation published by the Administrator under section 304(b) of CWA to adopt or revise effluent limitations.
13. **Ephemeral water** – a surface water that has a channel that is at all times above the water table, and that flows only in direct response to precipitation. [A.A.C. R18-11-101(22)]

- 14. Existing Permittees** means Small MS4 operators who had coverage under ADEQ's 2002 Small MS4 General Permit.
- 15. Facility** means any "point source" or any other facility (including land or appurtenances thereto) that is subject to regulation under the AZPDES/NPDES program.
- 16. Field Screening Point** means location(s) where municipal stormwater leaves a Small MS4 operator's permitted area and goes to a Waters of the U.S. by way of a conveyance (such as another municipal storm sewer system).
- 17. Illicit connection** means any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.
- 18. Illicit discharge** means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a AZPDES/NPDES permit (other than the AZPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from firefighting activities.
- 19. Impaired water** – waters that have been assessed by ADEQ, under the Clean Water Act, as not attaining a water quality standard for at least one (1) designated use, and are listed in Arizona's current 303(d) List or on the 305(b) Category 4 list.
- 20. Intermittent water or Intermittent stream** – a stream or reach that flows continuously only at certain times of the year, as when it receives water from a spring or from another surface source, such as melting snow. [A.A.C. R18-11-101(25)]
- 21. Maximum Extent Practicable (MEP)** – means maximum extent practicable, the technology-based discharge standard for municipal separate storm sewer systems to reduce pollutants in storm water discharges. A discussion of MEP as it applies to small MS4s is found at 40 CFR 122.34. CWA section 402(p)(3)(B)(iii) requires that a municipal permit "shall require controls to reduce the discharge of pollutants to the maximum extent practicable, including management practices, control techniques and system design, and engineering methods, and other provisions such as the Administrator or the State determines appropriate for the control of such pollutants.
- 22. Measurable Goal** means a quantitative measure of progress in implementing a component of a storm water management program.
- 23. Minimize** – to reduce and/or eliminate to the extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practices.
- 24. Municipal separate storm sewer** – a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):
 - a. Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or a designated and approved management agency under section 208 of the Clean Water Act (33 U.S.C. 1288) that discharges to waters of the United States;
 - b. Designed or used for collecting or conveying stormwater;
 - c. Which is not a combined sewer; and
 - d. Which is not part of a Publicly Owned Treatment Works.

25. **Municipal separate storm sewer system (MS4)** – all separate storm sewers defined as “large,” “medium,” or “small” municipal separate storm sewer systems or any municipal separate storm sewers on a system-wide or jurisdiction-wide basis as determined by the Director under A.A.C. R18-9-C902(A)(1)(g)(i) through (iv). [A.A.C. R18-9-A901(23)]. This also includes similar systems owned or operated by separate storm sewer municipal jurisdictions not required to obtain stormwater discharge authorization.
26. **New Permittees** means Small MS4 operators who did not have permit coverage under ADEQ’s 2002 Small MS4 General Permit.
27. **Not-Attaining** means a surface water is assessed as impaired, but is not placed on the 303(d) List because:
 - a. A TMDL is prepared and implemented for the surface water;
 - b. An action, which meets the requirements of R18-11-604(D)(2)(h), is occurring and is expected to bring the surface water to attaining before the next 303(d) List submission; or
 - c. The impairment of the surface water is due to pollution but not a pollutant, for which a TMDL load allocation cannot be developed.
28. **Non-traditional MS4** means systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings. 40 CFR 122.26(a)(16)(iii).
29. **Notice of Intent (NOI)** – the application to operate under this general permit.
30. **Notice of Termination (NOT)** – the application to terminate coverage under this general permit.
31. **Outfall** – means a *point source* as defined by 40 CFR 122.2 at the point where a municipal separate storm sewer discharges to waters of the United States and does not include open conveyances connecting two (2) municipal separate storm sewers, or pipes, tunnels or other conveyances which connect segments of the same stream or other waters of the United States and are used to convey waters of the United States.
32. **Outstanding Arizona Water (OAW)** – a surface water that has been designated by ADEQ as an outstanding state resource under A.A.C. R18-11-112.
33. **Owner or operator** means the owner or operator of any “facility, or activity” subject to regulation under the NPDES program.
34. **Perennial water** – a surface water that flows continuously throughout the year (A.A.C. R18-11-101(30)).
35. **Permittee** – refers to any person (defined below) authorized by this NPDES permit to discharge to Waters of the United States.
36. **Person** – an individual, employee, officer, managing body, trust, firm, joint stock company, consortium, public or private corporation, including a government corporation, partnership, association or state, a political subdivision of this state, a commission, the United States government or any federal facility, interstate body, or other entity.
37. **Point source** – any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff.

- 38. Pollutant** – sediment, fluids, contaminants, toxic wastes, toxic pollutants, dredged spoil, solid waste, substances and chemicals, pesticides, herbicides, fertilizers and other agricultural chemicals, incinerator residue, sewage, garbage, sewage sludge, munitions, petroleum products, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt (e.g., overburden material), and mining, industrial, municipal and agricultural wastes or any other liquid, solid, gaseous or hazardous substances. [A.R.S. § 49-201(29)]
- 39. Receiving water** – as used in this permit means "Water of the United States" as defined in 40 CFR §122.2 that receives discharges from the MS4.
- 40. Satellite Installation** - means facilities that are not subject to separate AZPDES permitting, are non-contiguous with the primary facility, and meet the following criteria: a) located in an urbanized area, and b) have the potential to discharge pollutants. Examples include golf courses, parks and recreation areas, and vehicle and equipment maintenance facilities.
- 41. Stormwater** – stormwater runoff, snow melt runoff, and surface runoff and drainage. See 40 CFR 122.26(b)(13).
- 42. Stormwater Discharge Associated with Construction Activity** – a discharge of pollutants in stormwater runoff from areas where soil disturbing activities (e.g., clearing, grading, or excavating), construction materials, or equipment storage or maintenance (e.g., fill piles, borrow areas, concrete truck washout, fueling), or other industrial stormwater directly related to the construction process (e.g., concrete or asphalt batch plants) are located. See 40 CFR 122.26(b)(14)(x) and 40 CFR 122.26(b)(15).
- 43. Stormwater Discharge Associated with Industrial Activity** means the discharge from any conveyance which is used for collecting and conveying stormwater and which is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant (See 40 CFR §122.26(b)(14) for specifics of this definition).
- 44. Stormwater Management Program (SWMP)** means a comprehensive program to manage the quality of stormwater discharged from the municipal separate storm sewer system. For the purposes of this permit, the Stormwater Management Program is considered a single document, but may actually consist of separate programs (e.g. "chapters") for each permittee.
- 45. Stormwater Pollution Prevention Plan (SWPPP)** – a site-specific, written document that, among other things: (1) identifies potential sources of stormwater pollution at the location of the construction activity; (2) describes control measures to reduce or eliminate pollutants in stormwater discharges from the construction activity; and (3) identifies procedures the operator will implement to comply with the terms and conditions of this general permit.
- 46. Surface Water** – as used in this permit means "Water of the United States" as defined in 40 CFR §122.2.
- 47. Total Maximum Daily Load (TMDL)** – an estimation of the total amount of a pollutant from all sources that may be added to a water while still allowing the water to achieve and maintain applicable surface water quality standards. Each total maximum daily load shall include allocations for sources that contribute the pollutant to the water, as required by section 303(d) of the clean water act (33 United States Code, Section 1313(d)) and regulations implementing that statute to achieve applicable surface water quality standards. [A.R.S. § 49-231(4)]
- 48. Turbidity** – a condition of water quality characterized by the presence of suspended solids and/or organic material; expressed as nephelometric turbidity units (NTU).

- 49. Waste Load Allocation (WLA)** – The maximum load of pollutants each discharger of waste is allowed to release into a particular waterway. Discharge limits are usually required for each specific water quality criterion being, or expected to be, violated. WLAs constitute a type of water quality-based effluent limitation. (See 40 C.F.R. § 130.2(h))
- 50. Waters of the United States (U.S.)** – defined in 40 CFR 122.2.
- 51. Wetland** – an area that is inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances does support, a prevalence of vegetation typically adapted for life in saturated soil conditions. A wetland includes a swamp, marsh, bog, cienega, tinaja, and similar areas. [A.A.C. R18-11-101(49)]