City of Grand Prairie

&

Dallas County Flood Control District #1

TPDES Phase II Small MS4 General Permit

Annual Report

Year 2: January 1, 2015 - December 31, 2015

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List of Acronyms

BMP	Best Management Practice
CRP	Clean Rivers Program
DCFCD	Dallas County Flood Control District #1
DDM	Drainage Design Manual
EPA	Environmental Protection Agency
ESD	City of Grand Prairie Environmental Services Department
GIS	Geographic Information Systems
GPISD	Grand Prairie Independent School District
HHW	Household Hazardous Waste
KGPB	Keep Grand Prairie Beautiful
MEP	Maximum Extent Practicable
MCM	Minimum Control Measure
MS4	Municipal Separate Storm Sewer System
MSW	Municipal Solid Waste
NCTCOG	North Central Texas Council of Governments
NPDES	National Pollutant Discharge Elimination System
O&M	Operation and Maintenance
P2	Pollution Prevention
SIC	Standard Industrial Classification
SSO	Sanitary Sewer Overflow
SPCC	Spill Prevention Control and Countermeasure
SWMP	Storm Water Management Program
SWP3	Storm Water Pollution Prevention Plan
TCEQ	Texas Commission on Environmental Quality
TPDES	Texas Pollutant Discharge Elimination System
UDC	Unified Development Code

Part I. General Information

Municipality/Authorization #: City of Grand Prairie/ TXR040065
District/Authorization #: Dallas County Flood Control District #1/ TXR040255

TPDES Permit #: TXR040000

TCEQ NOI Form #: 20368

Year 2 Reporting Period, Calendar Year: January 1,2015 – December 31, 2015

City of Grand Prairie: MS4 Operator Level 4
Dallas County Flood Control District #1: MS4 Operator Level 2

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This report was prepared for and sent to:

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Storm Water & Pretreatment Team; MC -148
P.O. Box 13087
Austin, Texas 78711-3087

A *copy* of this report was sent to:

Texas Commission on Environmental Quality
Water Section; Attn: Jeff Tate
2309 Gravel Drive
Fort Worth, TX 76118-6951

Part II. Interlocal Agreement

The City of Grand Prairie and Dallas County Flood Control District #1 (DCFCD) jointly submitted the Storm Water Management Program as described in an interlocal agreement approved by the aforementioned entities on May 9, 2014 (Appendix A). According to Part III of the General Permit, a permittee may enter into interlocal agreements with municipalities where the small MS4 is located in order to meet the goals of the permit if the permittee does not have enforcement authority and is unable to meet the goals of the general permit through its own powers. Approximately 20% of the DCFCD is located within the City of Grand Prairie boundaries; however, the DCFCD does not have enforcement capabilities. As a result, the City of Grand Prairie and DCFCD agreed to the joint submission of the SWMP where the DCFCD is solely responsible for only two (2) best management practices (BMPs) (BMP 5.3 and 5.4). The City of Grand Prairie is entirely responsible for all other BMPs described in the SWMP.

For the aforementioned reason, the City of Grand Prairie and DCFCD have jointly submitted this annual report.

Part III. Additional Information

1. No changes were made to or proposed for the SWMP.

2. No additional BMPs will be implemented.

3. A list of allowable non-stormwater discharges was ***not*** developed.

4. Minimum control measure (MCM) 7 is not utilized for this permit.

5. See Table 4 for the number of non-municipal construction activities as provided to the City via notices of intent or site notices.

6. In Year 2, the City of Grand Prairie annexed land on September 15, 2015 and November 3, 2015. (see Appendix B).

7. There are no newly listed receiving waterbodies for this MS4 on the 2014 Texas 303(d) list.

8. On September 24, 2013, the TCEQ adopted *Thirteen Total Maximum Daily Loads for Indicator Bacteria in the Lower West Fork Trinity River Watershed*. In addition to the Lower West Fork of the Trinity River, these bacteria Total Maximum Daily Loads (TMDLs) include tributaries located in Grand Prairie.

   On December 20, 2000, TMDLs were approved by the TCEQ for legacy pollutants in segments 0841 (Lower West Fork of Trinity River) and 0841A (Mountain Creek Lake).

Part IV. Stormwater Monitoring Data and Impaired Waterbodies

Monitoring Data

The City has conducted analytical monitoring of stormwater quality. See BMP 2.11 and BMP 2.18 for the discussion and summary of stream and Joe Pool Lake beach monitoring results, respectively.

TMDLs and Impaired Waterbodies

The City of Grand Prairie discharges to a waterbody for which there is a TCEQ approved TMDL for bacteria. The City has also determined that it may be a source of bacteria for impaired waterbodies (as listed on the CWA 303(d) list) that do not have an approved TMDL. As such, they City has implemented the BMPs described in the SWMP and, where applicable, the TCEQ approved *Implementation Plan for Seventeen Total Maximum Daily Loads for Bacteria in the Greater Trinity River Region* (I-Plan) throughout these and all other areas of Grand Prairie where bacteria is a pollutant of concern (as described in the City's approved SWMP). See the following *Part V Narrative Provisions* and *Part VI Summary of Minimum Control Measures* below for these results.

In order to determine if the BMPs established are effective in addressing bacteria in stormwater discharges from the City to the maximum extent practicable (MEP), the City has elected to use the Waste Load Allocations for permitted stormwater sources identified in the *Thirteen Total Maximum Daily Loads for Indicator Bacteria in the Lower West Fork Trinity River Watershed* as a benchmark. In order to evaluate and report progress towards the benchmark, the City has identified the appropriateness and success of the implemented BMPs by using program indicators (i.e. tons of trash collected, number of illegal dumping complaints received, etc.). See the following *Part V Narrative Provisions* and *Part VI Summary of Minimum Control Measures* below for these results.

Part V. Narrative Provisions

Status of the Compliance with Permit Conditions

The City of Grand Prairie and DCFCD have completed the required self-assessment and have determined that the City and DCFCD are in compliance with all permit conditions. The City and DCFCD: 1) are currently in compliance with the SWMP as submitted to and approved by the TCEQ, 2) are in compliance with recordkeeping and reporting requirements, and 3) meet the eligibility requirements of the permit.

Success of Implementation

For an evaluation of the success of the implementation of the measurable goals, including any obstacles or challenges, see *Summary of Minimum Control Measures* below.

Appropriateness and Effectiveness of Year 2 BMPs for Reducing Pollutants and Reaching Bacteria Benchmark

Each of the Year 2 BMPs was assessed as appropriate. Table 1 describes the estimated level of effectiveness of all Year 2 BMPs as they relate to the reduction of the discharge of pollutants to the MEP. Included in this assessment is the progress towards reaching the benchmark for bacteria, as described in the SWMP. See the *Summary of Minimum Control Measures* below for more details.

Table 1: BMP Effectiveness, Progress towards Reducing the Discharge of Pollutants to the MEP, and Progress towards Reaching Bacteria Benchmark

BMP	*Description*	*Effectiveness*	*Progress*
1.1	HHW Program	High	Encourages the proper disposal of hazardous waste and informs citizens of when and where they can dispose of waste
1.2	Pet Waste	Moderate	Give-a-ways, PSAs, and brochures target the appropriate audience and encourage proper disposal of pet waste
1.3	Environmental Workshop	High	Surveys indicate that information helps facilities comply
1.4	Commercial/Industrial Floatables Education	Moderate	Educational materials discuss methods for reducing floatables. Reaches the appropriate audience as brochures are distributed during inspections, classes, workshops, and at the Development Center
1.5	Information for ARB	High	Compliance has increased significantly
1.6	School Curriculum	High	The City purchased and distributed 29 Major Rivers Educational Packets for GPISD. This program emphasizes the importance of stormwater pollution controls to young students who in turn may relay this information to their older parents/guardians.
1.7	Interactive Watershed Model	Low	Effective method of teaching the concept of a watershed; however, the model has limited outreach capabilities
1.8	Utility Bill Insert	High	This is the most widely read city publication. Seventeen (17) stormwater related articles were published and distributed during this reporting period.
1.9	Multimedia Education	Moderate	Promotes watershed awareness to Grand Prairie citizens through Grand Prairie TV, the City's website, and Facebook

1.10	Non-English	High	There is a high population of only Spanish speaking citizens in Grand Prairie
1.11	Visitor Education	Moderate	Website visited by anyone with access to the internet
1.12	Drain Markers	Moderate	Increases awareness of the storm drain system to citizens and to those installing markers. 104 storm drain makers were placed during this reporting period
1.13	Educational Event	High	Event brings awareness to stormwater issues and reaches hundreds of residents in one day
1.14	HHW Events	High	Actively allows citizens to participate and dispose of HHW properly. During this reporting period, 1,340 households participated in the events and ~23,200 pounds of hazardous waste products were recycled.
1.15	Mailing Lists	Moderate	Increases ability to reach targeted audiences consistently
1.16	Annual Awards	High	Mandates stormwater compliance to achieve recognition
1.17	Clean Rivers on Website	Low	Reaches only those perusing the City's stream monitoring website; however, once on the Clean Rivers site, citizens are able to better understand water quality issues
1.18	Lawn and Garden	Low	Reaches only those perusing website or seeking to understand SmartScape demonstration gardens, but increases awareness of alternative chemicals and benefits to planting native species
1.19	Don't Bag It	Moderate	Encourages a reduction in potential storm water contaminants such as fertilizers, insecticides and herbicides, while preserving valuable landfill space
1.20	H20 Line	Moderate	Reminds industrial facilities of reporting deadlines and gives them BMP information to increase compliance with industrial stormwater permit. Newsletters were distributed to over 300 industrial businesses during this reporting period
1.21	Auto Watch	Moderate	Newsletter containing targeted information, including stormwater BMPs, for automotive sector. Distributed to over 300 automotive businesses twice a year
1.22	Construction BMPs	Low	Reaches developers seeking out educational information
1.23	Public Notice	Low	Not applicable
1.24	Texas Stream Team	High	Stream monitors sample at different locations and/or times than the City's stream monitoring. Data collected has the potential to reveal areas needing further monitoring, remediation, and/or enforcement. One monitor was trained during this reporting period.
1.25	Master Composter	Moderate	Provides students with practical alternatives to over-applying fertilizer, potentially reducing the amount of excessive nutrients to local waterways. There were five (5) students during this reporting period.
1.26	Illegal Dumping Hotline	High	City staff are made aware of polluted areas that they may have otherwise missed
1.27	Stakeholder Meetings	High	Citizens and City staff come together to make most appropriate decisions for SWMP
1.28	Neighborhood Outreach	Moderate	Neighborhood associations are encouraged to form cleanup committees.
1.29	School Outreach	High	Gets students and faculty involved in stewardship oriented activities, including Adopt-A-Stream cleanup efforts, storm drain marking projects, water quality monitoring programs and wetland education programs, resulting in the reduction of storm water pollutants
1.30	Advisory Committees/Task Force Groups	High	City staff participate in committees and task force groups in order to share information and develop stormwater programs

2.1	GIS MS4 Database	High	Map used to trace illicit discharges to waterbodies. Allows for effective remediation of spills, illicit discharges, and SSOs
2.2	Priority Areas	High	Areas within the city that are likely to have an illicit discharge are identified so that monitoring efforts in these areas may increase.
2.3	Dry Weather Field Screening	High	The City's dry weather field screening program was revised in Year 2. One-third (1/3) of the City's outfalls will be screened each year for Years 3, 4, and 5.
2.4	Complaint database	Moderate	Tracks spills and creates historical information for assessment
2.5	Complaint response	High	Creates response mechanism. Incidents such as spills, illicit discharges, or sanitary sewer overflows are mitigated. Nine (9) spills and five (5) SSOs were investigated and resolved during this reporting period. Sixteen (16) spills and ten (10) SSOs were investigated and resolved during the last reporting period
2.6	Illicit Discharge/Spill Procedures	High	Standard operating procedures used for responding to spills. Stormwater pollution incidents are mitigated
2.7	Source Investigation and Elimination	High	Investigation and elimination of polluting sources
2.8	Spill response	High	Abates pollutants in our waterbodies
2.9	Building Project Review Process	High	Mandates compliance prior to operation
2.10	Illegal Dumping Hotline	High	City staff are made aware of polluted areas that they may have otherwise missed
2.11	Streams Sampling	High	Atypical results are investigated and mitigated. Pollutants are reduced to the MEP
2.12	SSO Response	High	Ensures the protection of our waterways following an SSO
2.13	IDDE Education	Moderate	Stormwater BMP posters, brochures, and videos are used to target the appropriate audience
2.14	Educating and Training City Field Staff	High	Ensures City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training
2.15	Stormwater Ordinance	High	The ordinance effectively prohibits non-stormwater discharges into the storm sewer system and implements enforcement procedures and actions
2.16	Litter Collection	High	The Litter Crew collected 185.85 tons of litter during this reporting period. Approximately 129.98 tons of litter were collected during the last reporting period. By preventing litter from remaining in the environment, both surface and groundwater are protected from potential contamination associated with it
2.17	Illegal Dumping Clean-up	High	Clean-up reduces potential pollutants. The City responded to 135 illegal dumping complaints during this reporting period and 123 illegal dumping complaints during the last reporting period.
2.18	Beach Sampling Program	Moderate	Reduces health risks to citizens. Pollutants are reduced to the MEP. If high levels of E. coli are observed, attempts are made to determine and mitigate the source of the high levels
2.19	On Site Sewage System Permitting	High	Failing septic systems are identified and abated. One (1) permit was issued and one (1) complaint was received during this reporting period
2.20	Auto Inspection Program	High	Enforcement and education encourages businesses to prevent pollutants from coming into contact with stormwater
2.22	Horse Stables	High	Ensures private horse stables are maintained properly so that sources of bacteria are reduced

2.23	Sanitary Sewer Systems	High	Maintenance of sanitary sewer systems and lift stations reduces SSOs
3.1	Review Construction Plans and Designs	High	Determines the effectiveness of the drainage and erosion control measures in plans and provides comments for revisions to reduce to the maximum extent practicable potential site specific erosion control concerns
3.2	Earthwork Permit	High	Prior to any land disturbing activity, all erosion controls must be in place according to the plan. By tracking the number of earthwork permits issued, the City monitors sites and maintains compliance before activities begin. A total of 81 earthwork permits were issued during this reporting period
3.3	Construction Inspection and Enforcement	Moderate	During this reporting period, construction site inspectors were trained.
3.4	Construction Ordinance	Moderate	Reviewed stormwater ordinance and Unified Development Code (UDC) to ensure sediment and erosion control requirements address permit requirements. UDC was revised and implemented in Year 2
3.5	Public Input	High	City investigator ensures problem areas are brought back into compliance, thus reducing pollution runoff
3.6	Construction Site Inventory	Low	Construction site inventory is developed and maintained
4.1	Development Review Process	High	Review of plans is used for the mitigation of impact. The number of plans that have been approved reflect the impact on post construction runoff will be minimal to the detention areas as well as to floodplains associated with the site, if applicable. The review process may require several modifications of a drainage plan by the engineer to allow the BMPs to operate at the maximum extent practicable
4.2	Unified Development Code and Stormwater Ordinance	Moderate	For this reporting period, revisions were made to enhance article 14 of the Unified Development Code (UDC). Council adopted the revisions. The revisions are currently being implemented.
4.3	Post-Construction Control Measures	Moderate	Twelve new detention/retention ponds are currently undergoing construction. These new facilities will be inspected once they are complete.
4.4	Operation and Maintenance of BMPs	Moderate	During this reporting year 7 post construction Operation and Maintenance agreements were filed in the real property records. There were no City owned or operated structural control facilities in need of maintenance during this review period.
5.1	Storm Sewer Operation and Maintenance	High	Maintenance includes cleaning, clearing, seeding, and overall maintenance of the storm sewer systems. During this reporting period, the City responded to 319 complaints and/or maintenance needs
5.2	MS4 Waste Disposal	High	Follow a standard operating procedure to clear and dispose of waste collected from the MS4
5.3	DCFCD Storm Sewer and Drainage Maintenance	Moderate	As situations arise in the DCFCD that require maintenance or waste removal, this BMP helps to reduce the discharge of pollutants
5.4	MS4 Waste Disposal for DCFCD	Moderate	Follow a standard operating procedure to clear and dispose of waste collected from the MS4 located in DCFCD
5.5	List Potential Problem Areas for Inspection	High	Five (5) major problem areas were identified. Monitoring efforts will increase in these areas

5.6	Street Operation and Maintenance	High	Street sweeping removes contaminants from the roadways thereby reducing the associated risk to the environment. 164.55.tons of materials were collected during street sweeping and delivered to the Grand Prairie Landfill for proper disposal during this reporting period
5.7	Educating and Training City Field Staff	Moderate	In Years 3, 4, and 5, a third of the City departments will be given a stormwater training video to show field staff. A sign-in sheet will be available to document the training
5.8	Data Tracking	Low	Not applicable
5.10	Pollution Prevention for City Operation and Maintenance (O&M) Activities	High	The City developed a list of City activities that have the potential to discharge pollutants into the MS4. Pollutants of concern were identified and listed
5.12	Mapping Facilities	High	A list of one hundred and thirty (130) City owned and operated facilities was developed. Stormwater controls were determined for each location
5.13	Mosquito Management	High	Controls products used and establishes processes so that applicators remain at a distance from fresh waterbodies
5.14	Facility Inventory	High	A list of City facilities that have the potential to discharge pollutants into the MS4 was developed in Year 2
5.19	Pesticide, Herbicide, and Fertilizer Application and Management	High	Pesticide, herbicide, and fertilizers were properly collected and disposed of, preventing their entry into nearby waterbodies. SmartScape gardens were maintained. The City created and distributed a flyer to applicable City contractors. The City requires that contractors provide permits and certifications that are necessary to their profession
6.1	Industrial Inspection Program	High	Ensure TPDES compliance
6.2	Existing SWP3s	High	Inspections result in necessary updates to City SWPPPs. BMP improvements and/or additions are researched and implemented. Training City staff increases effectiveness of BMPs and helps to prevent pollutants from coming into contact with stormwater

Part VI. Summary of Minimum Control Measures

The following summary of MCMs includes the BMPs for each MCM, measurable goals, responsible party, target date, and activities completed for each BMP. The listed target date for each measurable goal is defined as the scheduled completion date for that goal where Year 1 completion date is December 31, 2014, Year 2 completion date is December 31, 2015, Year 3 completion date is December 31, 2016, Year 4 completion date is December 31, 2017, and Year 5 completion date is December 31, 2018. BMPs with more than one year listed will be completed for each year listed. Dates listed under *Activities Completed* are the completion dates for said activity. All activities planned for Year 3 are described by the *Target Date*.

Included in this summary is an evaluation of the success of the implementation of the measurable goals, including any obstacles or challenges in meeting the SWMP schedule, if applicable. This summary also includes 1) a summary of the results of information collected and analyzed to assess the success of the program at reducing the discharge of pollutants to the MEP and 2) a summary of activities taken to address the discharge to impaired waterbodies, including sampling results and 3) a summary of BMPs used to address bacteria.

Bacteria are a community-wide issue that are the target of many of the BMPs located throughout this report. **BMPs that focus on reducing bacteria in the MS4 have "TMDL" included in the name of the BMP. Please note, BMPs with this notation may target other pollutants of concern as well (e.g. sediments, floatables, etc.).**

MCM 1: Public Education, Outreach, and Involvement

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.1 Household Hazardous Waste (HHW) Program *(TMDL)*	Reduction of the unauthorized disposal of household hazardous waste will be promoted through the distribution of educational materials and through HHW events that provide city residents the opportunity to dispose of household hazardous waste.	1. Continue pamphlet and/or wheel distribution at the Development Center	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Discuss hazards of household hazardous waste at least 1 time per year in a City newsletter		Years 1 – 5
		3. Handout HHW magnets to at least 100 citizens per year		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.1 Activities Completed

12/31/2015
HHW Magnets
The City distributed approximately 1,500 Household Hazardous Waste magnets. Magnets were distributed during Household Hazardous Waste events, during which we had 1,340 participants, and were made available to visitors at the Development Center, festivals, and during complaint inspections.

12/31/2015
HHW Wheel Distribution
The City distributed "Earth Saver" wheels at the Development Center and at Household Hazardous Waste events.

12/31/2015
Pipeline Articles
During this reporting period, nine (9) articles advertising HHW events and/or discussing the hazards of disposing of household hazardous waste improperly were printed in the Pipeline, a City newsletter distributed via water utility bills.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.2 Pet Waste Management Education and Involvement *(TMDL)*	Promote awareness of the hazards to health and the environment from pet waste through several forms of outreach.	1. Maintain "Doo the Right Thing" video on the City website and play on cable television annually	Environmental Services Department, Environmental Quality Division and Animal Services Division	Years 1 – 5
		2. Annually distribute at least 200 informative brochures to customers adopting pets at the Prairie Paws Adoption Center and display pet waste poster or banner in the Environmental Services Department (ESD) office		Years 1 – 5

	3. Annually distribute a minimum of 200 informative brochures at the Development Center and/or at educational events		Years 1 – 5
	4. Install 2 pet waste collection dispensers at any future pet park to promote proper owner disposal of pet waste		Year 4

All activities for this BMP are complete for Year 2.

BMP 1.2 Activities Completed

12/31/2015
"Doo the Right Thing" Video
The "Doo the Right Thing" video is posted on the City's website at www.gptx.org/EnvironmentalQuality/PetWaste. In addition, this video aired on GPTV once a day, every day in Year 2.

12/31/2015
Display Poster, Banner and brochures
The City distributed Pet Waste & Water Quality brochures (in English and Spanish) explaining the environmental issues associated with pet waste and how to dispose of the waste properly. Two-hundred (200), or as many as needed, of these brochures were distributed at the Development Center and Prairie Paws Adoption Center. In addition, the "If you think picking up poop is unpleasant, try drinking it" poster is displayed in Environmental Quality Division's office and the "Doo the Right Thing" banner is displayed at the Prairie Paws adoption center.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.3 Environmental Compliance Workshops *(TMDL)*	Pollution Prevention (P2) measure concepts are promoted to industries to reduce waste generated and potential sources of stormwater pollution.	1. Encourage P2 measures through semi-annual environmental compliance workshops	Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City met the goals for this Year 2 BMP.

BMP 1.3 Activities Completed

10/22/2015

Environmental Compliance Workshops

The Environmental Quality Division held 4 Environmental Compliance Workshops during the reporting period. On January 29, 2015, Scott Deatherage discussed the *Potential Pitfalls with Universal Waste Classification*, on April 23, 2015, John Dugdale spoke on *Environmental, Health and Safety Facility Inspections*, on July 23, 2015, Sarah K Walls with TCEQ Enforcement was the presenter, and on October 22, 2015 the City hosted the Annual Awards Luncheon.

BMP	***BMP Description***	***Measurable Goals***	***Responsibility***	***Target Date***
1.4 Commercial and Industrial Activity Education on the Impacts of Floatables *(TMDL)*	Awareness of and responsibility for floatables control and responsibility of commercial and industrial businesses will be integrated into existing activities by distributing information to selected facilities during routine inspections.	1. Distribute informative brochures to 50% of the industrial facilities and food permit holders inspected each calendar year 2. Make available on the City website	Environmental Services Department, Environmental Quality Division	Year 1-5 Years 1 – 5

All activities for this BMP are complete for Year 2.

<u>BMP 1.4 Activities Completed</u>

12/31/2015

Brochure Distribution

Distributed English and Spanish "Clean It Right" brochures to food permit holders during inspections, at Food School, and at the Development Center. "An Industry's Guide for Protecting Grand Prairie's Watershed" was distributed during industrial inspections and at the Development Center.

01/1/2015

Brochures on Website

The "Clean it Right" and "An Industry's Guide for Protecting Grand Prairie's Watershed" brochures are on the City's website. These brochures may be found at www.gptx.org/environmentalquality/FoodService and www.gptx.org/environmentalquality/Industrial, respectively.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.5 Informational Material for Automotive Related Businesses *(TMDL)*	Awareness of the impact of the automotive sector's pollutants on water quality will be integrated into existing activities through the distribution of information on BMPs and use of BMPs for automotive activities during routine Certificate of Occupancy inspections.	1. Distribute automotive and stormwater quality informative material during Certificate of Occupancy inspections 2. Maintain auto related business BMPs on the City website	Environmental Services Department, Environmental Quality Division	Years 1 – 5 Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.5 Activities Completed

12/31/2015
ARB Educational Materials
Environmental Specialists with the Environmental Quality Division distributed automotive and stormwater quality educational materials during Certificate of Occupancy inspections. Materials included items such as posters, Auto Watch (an Environmental Quality and Code Enforcement publication), "Protect Our Water, Don't Dump" notepads, TCEQ's "The Used Oil Recycling Handbook, Guidance for Used Oil Handlers", Small Business and Local Government Assistance materials, a list of State permitted liquid and solid waste haulers, the City's Automotive Related Business ordinance, Operational Requirements for Mobile Wash Vendors, "You Can Protect Our Water" door hangers, "An Environmental Guide for Texas Automotive/Autobody Repair Shops", stormwater and backflow brochures, and a list of stormwater compliance due dates.

1/1/2015
BMPs on Website
Auto related BMPs are posted on Environmental Quality's Auto Related Business Education webpage. This page may be found at www.gptx.org/ARB.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.6 Funding for Elementary School Curriculum on Stormwater Quality *(TMDL)*	Education on stormwater quality and pollution prevention will be provided as needed to elementary schools in Grand Prairie ISD through the purchase of curriculum.	1. Purchase Major Rivers© or similar curriculum as needed for additional Grand Prairie ISD classrooms	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.6 Activities Completed

12/4/2015
Major Rivers Order
The City purchased and distributed to GPISD 29 English Replacement Packets.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.7 Interactive Watershed Model Display on Stormwater Quality *(TMDL)*	Demonstrate to multiple age groups the effects of various residential and commercial pollutants on stormwater quality.	1. Annually display an interactive watershed model or similar display during child related educational events	Environmental Services Department, Environmental Quality Division	Year 2-5

The City exceeded the goals for this Year 2 BMP.

BMP 1.7 Activities Completed

11/06/2015
EnviroScape Demonstration
The EnviroScape was on display at the Arbor Day festival held by the City at the Nature Center on November 6, 2015. Approximately 1,000 children and adults attended the Arbor Day festival. The Environmental Quality Division also demonstrated the EnviroScape at the Earth Day festival located at the Grand Prairie Armed Forces Reserve Complex on April 22, 2015 (Figure 1).

Figure 1: EnviroScape Demonstration at the Earth Day Festival

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.8 Utility Bill Insert *(TMDL)*	Raise awareness of stormwater issues for citizens by placing articles in the water utility bill insert.	1. Annually distribute information about stormwater issues in the water utility bill insert to 80% of the City's customers	Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City exceeded the goals for this Year 2 BMP.

BMP 1.8 Activities Completed

12/31/2015

Pipeline Articles

The City distributed stormwater related articles with the water utility bill. Nine (9) Pipeline articles contained information on household hazardous waste issues and events, one (1) contained information on how to properly handle grass clippings, one (1) included information on a Rain Barrel class offered by the City, one (1) included information on storm inlets and pollution, one (1) included information on the management of pet waste, one (1) included information on how to report illicit discharges, and three (3) articles included information on the master composter classes offered by the City.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.9 Multimedia Stormwater Public Education *(TMDL)*	Promote watershed awareness for citizens, City staff, and visitors using multiple types of media, including a website, City's cable channel, and Facebook.	1. Have stormwater quality public service announcement on GPTV at least once per year	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Post stormwater quality message on Facebook at least twice per year		Years 2 – 5
		3. Provide and maintain Stormwater Pollution Prevention information on the City's website		Years 1 – 5
		4. Show stormwater related video during new employee orientation		Years 2 – 5

All activities for this BMP are complete for Year 2

BMP 1.9 Activities Completed

4/8/2015
Stormwater Post on Facebook
The Environmental Quality Division posted two messages on Facebook, one discussing household hazardous waste and the second discussing organic gardening. .

12/31/2015
Stormwater PSAs on GPTV
The City airs the following stormwater pollution prevention PSA videos on GPTV once a day, seven days a week: Doo the Right Thing, Fats, Oils, & Grease, Detergents, Yard Waste, Paints, Fertilizers. A Stormwater to Drinking Water PSA airs twice a day, 7 days a week.

12/03/2015
New Employee Orientation
Presented "Preventing Storm Water Pollution: What We Can Do" video to twenty-one (21) new City employees during New Employee Orientation.

1/1/2015

Stormwater Information on Website

The Environmental Quality Division maintains stormwater educational material for the Environmental Quality website. This information is updated as needed and includes pages for the following topics: Stormwater, What are Watersheds?, Pet Waste, Cooking Oils, Lawn Chemicals, Volunteering, Stream Monitoring, Kids Activities, Storm Water Management Program, and Texas Stream Team. The address to this website is: www.gptx.org/EnvironmentalQuality/Stormwater.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.10 Tailor Outreach Programs to non-English languages *(TMDL)*	Ensure educational materials are translated into Spanish, as needed.	1. Provide educational materials in Spanish, when available.	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.10 Activities Completed

1/1/2015

Educational Materials in Spanish

The City provides residents with many stormwater educational materials in Spanish. This includes, but is not limited to, the following: Lawn Care Maintenance, Fat Free Sewers, A Guide for Auto Service, Repair and Maintenance Businesses, Steps to Obtain Construction Permits for Storm Water Discharges, Pet Waste & Water Quality, Preventing Stormwater Pollution at Construction Sites, Clean It Right, After the Storm: A Citizen's Guide to Understanding Stormwater, the AutoWatch newsletter, Clean Shop posters, and the Auto Related Business Ordinance. In addition, during each food school class conducted by the Environmental Quality Division, students are shown a Stormwater Pollution Prevention video created for restaurants. A Spanish version of the video is shown during the Spanish speaking classes.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.11 Stormwater Education for Visitors *(TMDL)*	Provide education featuring water quality issues for Grand Prairie visitors.	1. Provide information about stormwater issues on the City website	Environmental Services Department, Environmental Quality Division	Years 1-5

All activities for this BMP are complete for Year 2.

BMP 1.11 Activities Completed

1/1/2015
Stormwater Information on Website
The Environmental Quality Division maintains stormwater educational material for the Environmental Quality website. This information is updated as needed and includes pages for the following topics: Stormwater, What are Watersheds?, Pet Waste, Cooking Oils, Lawn Chemicals, Volunteering, Stream Monitoring, Kids Activities, Storm Water Management Program, and Texas Stream Team. The address to this website is: www.gptx.org/EnvironmentalQuality/Stormwater.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.12 Storm Drain Markers ***(TMDL)***	Install storm drain markers "Protect Our Water, Don't Dump" to promote awareness of the storm drain system.	1. Purchase and install 100 of the City's unmarked storm drain curb inlets annually. Volunteers will be enlisted to help with the installation, when available	Environmental Services Department, Environmental Quality Division	Years 2 – 5

All activities for this BMP are complete for Year 2.

BMP 1.12 Activities Completed

09/22/2015
Storm Drain Marker Purchase
The Environmental Quality Division purchased 100 plastic curb markers to place on storm inlets.

12/31/2015
Storm Drain Labeling
104 storm drain makers were placed in 2015.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.13 Public Education Event ***(TMDL)***	Hold an interactive educational event that promotes stormwater BMPs.	1. Annually hold a public education event that focuses on education through involvement and promotional giveaways	Environmental Services Department, Environmental Quality Division	Years 2 – 5

All activities for this BMP are complete for Year 2.

BMP 1.13 Activities Completed

04/22/2015
Earth Day Festival
The City and the 63d Regional Support Command hosted an Earth Day event for residents at the Grand Prairie Armed Forces Reserve Complex. The City distributed stormwater related educational materials, had interactive games for the attendees, and demonstrated the EnviroScape.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.14 Household Hazardous Waste (HHW) Collection Events *(TMDL)*	Encourage citizens to dispose of HHW properly by participating in City hosted events	1. Maintain contract with Forth Worth annually to allow Grand Prairie citizens to drop off HHW at the Environmental collection center	Environmental Services Department, Environmental Quality Division	Years 1– 5
		2. Annually hold at least 1 HHW collection event in Grand Prairie		Years 1– 5

The City exceeded the goals for this Year 2 BMP.

BMP 1.14 Activities Completed

12/31/2015
HHW Collection Events
The Environmental Quality Division held nine (9) Household Hazardous Waste events during the reporting period. During this time 1,340 households participated in the events and ~23,200 pounds of hazardous waste products were recycled.

12/31/2015
Contract with Fort Worth ECC
The City of Grand Prairie maintained a contract with the Fort Worth Environmental Collection Center for the proper disposal of household hazardous waste. This contract allows City of Grand Prairie residents to dispose of their household hazardous waste during the regular operating hours of the collection center. In addition, the Environmental Quality Division takes all household hazardous waste collected during HHW events to the collection center.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.15 Auto Related Business (ARB) and Industrial Facility Mailing List	Maintain mailing list of ARB and industrial facilities and mail out informative material.	1. Annually mail information regarding stormwater BMPs	Environmental Services Department, Environmental Quality Division	Years 1– 5

All activities for this BMP are complete for Year 2.

BMP 1.15 Activities Completed

12/31/2015
Distribution Lists
The City currently distributes the H2O Line newsletter to approximately 300 contacts via email using a maintained e-mail contact list. In addition, the Auto Watch newsletter is distributed to approximately 550 contacts using a maintained mailing list.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.16 Annual Environmental Compliance Achievement Awards	Encourage industrial facilities to obtain industrial permit as required by the SIC code.	1. Annually recognize facilities who achieve 100% compliance	Environmental Services Department, Environmental Quality Division	Years 1– 5

All activities for this BMP are complete for Year 2.

BMP 1.16 Activities Completed

10/22/2015
Annual Compliance Awards
The City annually recognizes Grand Prairie industries achieving 100% compliance. The City held one Annual Compliance award meeting during Year 2.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.17 Clean Rivers Program	Stream monitoring information is made available for review on the Clean Rivers Program website. Access to this site will be provided through the City's website.	1. Maintain link to the Clean Rivers Program's website on the City's website	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.17 Activities Completed

1/1/2015
CRP Link on City Website
Provided link to Clean Rivers Program on the City website. The Clean Rivers Program allows the public to search for and view sampling results of the waterways in the area: www.gptx.org/EnvironmentalQuality/StreamMonitoring.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.18 Lawn and Garden Education for Homeowners	Efforts will be made to encourage lawn and garden low maintenance concept into existing education programs throughout the city through the purchase and distribution of educational materials and other promotions. Low maintenance garden concepts will be maintained and/or created on City properties.	1. Provide information about native and adaptive plants on the City website 2. Maintenance of Texas SmartScape™ Demonstration Garden at the Prairie Paws Adoption Center and Water Utility Operations facility	Environmental Services Department, Environmental Quality Division and Public Works	Years 1 – 5 Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.18 Activities Completed

12/31/2015
Native and Adaptive Information on Website
Posted information on Texas SmartScape on the City of Grand Prairie's "What is Stormwater" and "Lawn Chemicals" webpages. According to NCTCOG's user statistics, the Texas SmartScape website received 678 sessions from Grand Prairie.

12/31/2015
Maintenance of SmartScape Gardens
The Water Utilities and Prairie Paws SmartScape demonstration gardens were maintained during this reporting period.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.19 Don't Bag It! Program	Encourage participants to mulch grass and yard clippings as a compost instead of application of commercial fertilizers.	1. Distribute public education materials about the program at 3 venues located throughout the city 2. Provide information about the program in the water bill insert to 80% of the City's water customers	Environmental Services Department, Solid Waste Division	Years 1 – 5 Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.19 Activities Completed

04/15/2015
"Don't Bag It" in Pipeline
One (1) "Don't Bag It" article was printed in and distributed through the water bill insert (Pipeline).

12/31/2015
Distribution of Educational Materials
Educational materials about the Don't Bag It! program were distributed at the Development Center, Landfill, Main Street Festival, and during the Master Composter class and luncheon.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.20 H_2O Line	Produce and distribute a newsletter to selected industrial sectors and automotive related businesses featuring stormwater topics.	1. Produce and distribute a newsletter promoting pollution prevention awareness to at least 200 businesses biannually	Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City exceeded the goals for this Year 2 BMP.

BMP 1.20 Activities Completed

12/31/2015
H2O Line Distribution

City inspectors regularly distributed the H2O Line during industrial inspections. In addition, each H2O Line was sent to approximately 300 industrial contacts and 20 salvage yard contacts via email. The Environmental Quality Division created and distributed four (4) H2O Line newsletters during this reporting period.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.21 Auto Watch	Create and distribute a water quality and code enforcement publication featuring environmental issues specific to automotive related businesses.	1. Continue to create and distribute publication to at least 300 businesses annually	Environmental Services Department, Environmental Quality Division, Code Enforcement Division	Years 1 – 5

The City exceeded the goals for this Year 2 BMP.

BMP 1.21 Activities Completed

8/1/2015
Auto Watch Distribution
The Auto Watch newsletter was distributed to over 300 automotive businesses during the winter and summer of 2015.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.22 Educational Material for Construction Site Personnel	Provide educational materials on BMPs and erosion control for construction site personnel.	1. Distribute 200 construction BMPs and erosion control brochures at the Development Center and/or provide a link to the educational material on the City's website	Planning and Development Department and Environmental Services Department	Years 1-5

All activities for this BMP are complete for Year 2.

BMP 1.22 Activities Completed

1/1/2015
Construction Educational Material
"Steps to Obtain Construction Permits for Storm Water Discharges" brochures were distributed at two locations at the Development Center and

were posted on the City's Environmental Services (www.gptx.org/EnvironmentalServices) and Engineering (http://www.gptx.org/index.aspx?page=1296) websites. "Preventing Stormwater Pollution at Construction Sites" brochures were available at the Development Center, on the Environmental Quality Division's Stormwater website (www.gptx.org/EnvironmentalQuality/Stormwater), and on Engineering's Construction General Permit & BMP FAQ website (http://www.gptx.org/index.aspx?page=1296).

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
1.23 Public Notice in Development of SWMP	Comply with federal, state, and local public notice requirements when implementing the SWMP.	1. Continue to make the document available for comments on the City website, at the Environmental Services Department office, and at the Grand Prairie Memorial Library Repository 2. Publish notice of the executive director's preliminary decision on the NOI and SWMP and adhere to 30 day public comment period	Environmental Services Department, Environmental Quality Division	Years 1 – 5 Year 1

All activities for this BMP are complete for Year 2.

BMP 1.23 Activities Completed

1/1/2015
SWMP Available for Review and Comment
A copy of the City's Storm Water Management Program is available for review and comments at the Environmental Quality Division's office, the City's Storm Water Management Program website (www.gptx.org/EnvironmentalQuality/SWMP), and at the Grand Prairie Memorial Library.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.24 Texas Stream Team Volunteer Stream Monitoring Program	Involve volunteers in the stream monitoring process through Texas Stream Team.	1. Hold Texas Stream Team training sessions for volunteers or corporations, if interest exists	Environmental Services Department, Environmental Quality Division	Years 2 – 5

All activities for this BMP are complete for Year 2.

BMP 1.24 Activities Completed

5/5/2015
Texas Stream Team Training
One individual from Lockheed Martin was trained and certified to be a Texas Stream Team monitor.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.25 Master Composter Program	Involve the public in lawn and garden compost waste training that will encourage reductions in fertilizer and pesticide use. Participants receive hands-on training and can become a Certified Master Composter.	1. Conduct 1 Master Composter class per year	Environmental Services Department, Solid Waste Division	Years 1 – 5
		2. Distribute yard care educational materials to at least 20 Master Composter participants annually		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.25 Activities Completed

4/11/2015
Master Composter Class and Educational Materials
The Solid Waste Division distributed The Rodale Book of Composting, Worms Eat My Garbage, Mulching and Composting (A' Take Care of Texas' Guide), and The 'Take Care of Texas' Guide to Yard Care during this reporting period. A Master Composter class was held on April 11, 2015 (5 participants) and a Master Composter appreciation luncheon was held on December 2, 2015 (20 participants).

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.26 Illegal Dumping Hotline ***(TMDL)***	Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 2.10)	1. Continue to make the Illegal Dumping Hotline available on the City's Code Enforcement website 2. Maintain the Illegal Dumping Hotline link on the Environmental Services stormwater webpage	Planning and Development Department, Code Enforcement Division, Environmental Services Department, Environmental Quality Division	Years 1 – 5 Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.26 Activities Completed

1/1/2015
Illegal Dumping Hotline on City's Website
Information for the City's Illegal Dumping Hotline is posted on the City's Stormwater webpage at www.gptx.org/EnvironmentalQuality/Stormwater and the Code Enforcement's website at www.gptx.org/index.aspx?page=219.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.27 Stakeholder Meetings	Keep citizens and other stakeholders involved in the decision process for managing the Stormwater Management Program.	1. Hold, or participate in through NCTCOG, one stakeholder meeting per year	Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City exceeded the goals for this Year 2 BMP.

BMP 1.27 Activities Completed

9/29/2015
ARB Compliance Meeting
The Environmental Quality and Code Enforcement Divisions hosted an ARB Compliance Meeting (Figure 2) for auto-related businesses in Grand Prairie. The City presented what ARB facilities need to do to remain in compliance with Environmental and Code regulations. Fifty-seven (57) people were in attendance.

Figure 2: ARB Compliance Meeting

12/4/2015

Grand Prairie Municipal Airport Self-Audit Tour

Grand Prairie City staff and NCTCOG hosted a site tour/mock self-inspection at the Grand Prairie airport to help provide training for municipal employees who are responsible for maintaining compliance with stormwater pollution prevention requirements. It was also an opportunity for peers to learn from each other. The tour started with a brief overview of the self-inspection guidebook template developed by the Regional Stormwater Management Program. The group then looked at the detention ponds, outfall sampling locations, underground storage tanks, aboveground storage tanks, the fueling station, and the Care Flite maintenance building.

12/31/2015

Stakeholder Meetings

Staff from the Environmental Quality Division attended the Upper Trinity River Basin Coordinating Committee Stakeholder meeting, Regional Stormwater Management Coordinating Council meetings, and Public Education, Pollution Prevention and IDDE task force meetings.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.28 Neighborhood Outreach Program	Program encourages the involvement of neighborhood associations for the purpose of educating them about stormwater related issues.	1. Annually coordinate a neighborhood project, such as stream/wetland cleanups, tree planting projects or awareness events	Environmental Services Department, Solid Waste Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.28 Activities Completed

2/17/2015
Annual Johnson Creek and Godwin Branch Adopt-A-Stream Cleanup
760 pounds of litter were collected during this annual cleanup, most of which was water bottles, Styrofoam and plastic grocery bags. Those in attendance included Keep Grand Prairie Beautiful Commissioner Madiola Harper, Nottingham Neighbors Club members, Nottingham residents, North Texas River Runners members, and South Grand Prairie High School students. More than 31 people participated.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.29 School Outreach Programs	Partnership between the City's Keep Grand Prairie Beautiful Program and a local school district that encourages student and campus participation.	1. Annually facilitate at least 1 activity for the campus programs	Environmental Services Department, Solid Waste Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.29 Activities Completed

9/10/2015
Green & Clean Campus Program Kick-Off Dinner
The City introduced the Green and Clean Campus program to new members, began working on campus goals, and conducted a team building activity with REAL School Gardens Educators. Green and Clean Coordinators, deans, garden coordinators, counselors, administrative staff, teachers, City representatives, REAL School Gardens Educators, and the Natural Science Education Center Coordinator attended. There were ninety-four (94) people in attendance.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.30 Advisory Committees or Task Force Groups	Share information and help develop stormwater programs by participating in stormwater related committees or task force groups through NCTCOG.	1. Sit on at least one stormwater committee or task force group annually.	Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City exceeded the goals for this Year 2 BMP.

BMP 1.30 Activities Completed

12/31/2015
Committees or Task Force Groups
Staff from the Environmental Quality Division were members of the following task force groups, committees, and councils during the reporting period: Public Education Task Force, Illicit Discharge Detection and Elimination Task Force, Pollution Prevention Task Force, and Regional Stormwater Management Coordination Council.

MCM 2: Illicit Discharge Detection and Elimination

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.1 Maintain a GIS Database of the MS4 (TMDL)	Maintain an updated map of the locations of all outfalls and the names of all receiving US surface waters.	1. Maintain current drainage system map, including outfalls, using asbuilts, aerial images, and/or through field verification	Environmental Services Department, Environmental Quality Division and Information Technology Department, GIS Division	Year 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.1 Activities Completed

12/31/2015
Drainage System Map Maintenance
The outfall map with receiving US Waters is continuously reviewed and updated primarily using Engineering asbuilts and then error-corrected using orthographic photos (aerials). Differences noted in the field are reported and print corrected.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.2 Priority Areas (TMDL)	Identify priority areas within the city likely to have an illicit discharge.	1. Determine and document the basis for the selection of priority areas. Identify and list areas 2. Map priority areas	Environmental Services Department, Environmental Quality Division	Year 2 Year 2

All activities for this BMP are complete for Year 2.

BMP 2.2 Activities Completed

10/6/2015
Basis for the Selection of Priority Areas:

1) Industrial, commercial, or mixed use areas;
2) Areas with a history of past illicit discharges
3) Areas with a history of illegal dumping (Years 2012-2014);
4) Areas with onsite sewage disposal systems;
5) Areas with older sewer lines (Built before 1970)

10/6/2015
Map of Priority Areas
Priority areas were mapped in Year 2 (see Appendix C).

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.3 Dry Weather Field Screening *(TMDL)*	Develop and implement a program to detect and address non-stormwater discharges, including illegal dumping, into the storm sewer system.	1. Develop and implement revised dry weather field screening program 2. Conduct dry weather screening of 1/3 of priority areas as identified in BMP 2.2	Environmental Services Department, Environmental Quality Division	Year 2 Years 3-5

All activities for this BMP are complete for Year 2.

BMP 2.3 Activities Completed

12/31/2015
Dry Weather Field Screening Program
The City's dry weather field screening program was revised in Year 2.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.4 Complaint Database *(TMDL)*	A database is kept of all citizen complaints regarding illicit discharges.	1. Maintain the complaint database	Environmental Services Department	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.4 Activities Completed

1/1/2015
Garrison
The Environmental Quality Division uses Garrison, a Web based database, to track all citizen complaints regarding stormwater.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.5 Complaint Response *(TMDL)*	All citizen complaints are to be investigated.	1. Maintain a response of 80% within 5 days	Environmental Services Department	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.5 Activities Completed

12/31/2015
Investigate Complaints
The Environmental Quality Division investigated well over 80% of residential complaints within five (5) working days. The average response time for complaints was one (1) day. Nine (9) spills and five (5) SSOs were investigated and resolved during this reporting period.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.6 Illicit Discharge and Spill Procedures *(TMDL)*	Develop and maintain procedures for responding to illicit discharges and spills.	1. Maintain standard operating procedures for responding to spills	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Develop and maintain standard operating procedures for responding to illicit discharges		Years 2 – 5

All activities for this BMP are complete for Year 2.

BMP 2.6 Activities Completed

1/1/2015
Spill Response SOPs
The City maintained standard operating procedures for the following types of spills: diesel or oil, hazardous materials for transportation incidents, hazardous materials for general materials incidents, hazardous materials for small spills, spill reporting guidelines, gas padsite fracturing fluids, gas padsite chemical spills, and passenger vehicle fires and fluid spills.

11/4/2015
The City developed and maintained a standard operating procedure for responding to illicit discharges.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.7 Source Investigation and Elimination *(TMDL)*	Identify and locate the source of illicit discharges and/or spills. Require responsible parties to perform all necessary corrective actions to eliminate the illicit discharge and/or spill.	1. Conduct source investigations to identify and locate illicit discharges as soon as practicable	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Report to the TCEQ all illicit discharges/spills believed to be an immediate threat to human health or the environment		Years 1 – 5

	3. Document the date the discharge was observed, results of the investigation, follow-up investigation details, and the date the investigation was closed	Years 1 – 5
	4. Notify the responsible party and require the responsible party to take all corrective actions necessary	Years 1 – 5
	5. Notify adjacent permitted MS4 operator or the TCEQ if an illicit discharge/spill extends outside of Grand Prairie's boundary	Years 1 – 5
	6. Perform dry weather field screening during follow-up investigation to ensure discharge has been eliminated	Years 2 – 5

All activities for this BMP are complete for Year 2.

BMP 2.7 Activities Completed

1/1/2015

Illicit Discharge/Spill Response

The City investigates all illicit discharges and spills that are identified through stream monitoring, complaints, dry weather field screening, or by any other means, as soon as practicable. The source of the illicit discharge or spill is determined through investigation procedures such as screening for the pollutant upstream or up the storm drain line, taking field and /or lab samples to narrow the source possibilities, researching facilities upstream/up the storm drain line to determine their possible role in the discharge/spill, searching the area on foot or in a vehicle to spot the source, and/or any other method necessary. Once the source is identified, and if it is determined there is a responsible party, Environmental Specialists enforce the City ordinances restricting improper discharges of pollutants. The City ensures that illicit discharges/spills are properly

remedied, either by the responsible party or, if no party can be identified, through the use of a City contractor. The City reports all discharges/spills to the TCEQ if the discharge/spill is believed to be an immediate threat to human health or the environment. The City also documents all details of the incident into Garrison (response database). If the discharge/spill reaches or is expected to reach a neighboring MS4, the City will notify the operator of that MS4. Dry weather field screening is performed during follow-up investigations.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.8 Spill Response *(TMDL)*	Coordinate with the Fire Department on emergency spill response, using a private contractor for clean-up and remediation.	1. Continue response and training	Environmental Services Department	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.8 Activities Completed

1/1/2015
TAS Environmental Services
The City maintained a contract with TAS Environmental Services and Allied International Emergency for spill response during Year 2.

12/31/2015
Spill Response and Training
Environmental Specialists from the Environmental Quality Division respond to spills, sanitary sewer overflows, and other environmental hazards 24 hours a day, 365 days a year. Specialists are continuously educated through emergency responders meetings and through peer to peer training.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.9 Building Project Review Process *(TMDL)*	Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process.	1. Continue to review at least 80% of new commercial construction plans for water quality hazards 2. Continue to inspect at least 80% of Certificates of Occupancy that have a potential to impact stormwater	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.9 Activities Completed

12/31/2015
Certificate of Occupancy Inspections and Building
The Environmental Quality Division received 619 Certificate of Occupancy applications and 461 Building Projects during this reporting period. 100% of the COs and Building Projects with the potential to impact stormwater were inspected and/or reviewed for water quality hazards.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.10 Illegal Dumping Hotline *(TMDL)*	Encourage citizens to report illicit discharges or violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 1.26)	1. Continue to make the Illegal Dumping Hotline available on the City's Code Enforcement and Environmental Services website	Planning and Development Department, Code Enforcement Division, Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Distribute information on illicit discharges and contacts for reporting illicit discharges in the City's water bill annually		Years 2 – 5

All activities for this BMP are complete for Year 2.

BMP 2.10 Activities Completed

1/1/2015
Illegal Dumping Hotline on City's Website
The illegal dumping hotline is included on the City's Stormwater webpage at www.gptx.org/EnvironmentalQuality/Stormwater and on the Code Enforcement's website at www.gptx.org/index.aspx?page=219.

11/15/2015
Pipeline Article on Reporting Illicit Discharges
The City published and distributed an article in the *Pipeline*, a water bill newsletter insert, with information on how to report an illicit discharge.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.11 Stream Sampling *(TMDL)*	Assess water quality of streams through monthly stream monitoring of 10 sites within or near the city limits. Investigate atypical results for an illicit discharge.	1. Monitor and investigate 10 streams for atypical stream results on a monthly basis	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.11 Activities Completed

Date: 12/31/2015

Stream Sampling

The Environmental Quality Division has voluntarily conducted stream sampling since 1986. Currently, 23 stream sites are sampled on a monthly, quarterly, and annual basis. The data collected during these monitoring events are used to detect and eliminate illicit discharges or other threats to human and environmental health. Atypical results are identified and researched. All possible attempts are made to mitigate any atypical results. In addition, stream monitoring data are provided to the Clean Rivers Program for water quality monitoring, assessment, and public outreach.

A monthly summary of the stream sampling data collected during this reporting period is attached in Appendix D. This BMP is highly effective at reducing pollutants to the MEP. Over the many years of implementing this program, numerous atypical results have led to the mitigation of illicit discharges, SSOs, or spills. Two areas of concern were identified during this reporting period. Table 2 is a summary of these atypical results.

Table 2: Atypical Stream Sampling Results

Date	Resolution
6/20/11 to 3/26/15, Site 19- Mountain Creek @ Singleton, Ammonia	On 6/20/2011, high levels of ammonia were observed in Mountain Creek at Singleton. This was investigated with the help of TRA personnel as this site is at the entrance to their facility. There were no SSOs in the area. In 2011, TRA personnel thought this may be related to the dewatering from the construction of water/wastewater lines in the area by Dallas Water Utilities. However, the high levels of ammonia continued for a number of years after the water/wastewater lines were constructed. During this time the City made several attempts to determine the source; however, each attempt appeared to lead specialist to a source that was outside of the City's jurisdictional boundaries. The high ammonia results and field observations were frequently discussed with TRA. TRA was also unable to find the source until 3/26/15 when they found sewage flowing freely into Mountain Creek from a break in a City of Dallas sewer line. The sewer line crosses Mountain Creek before connecting to TRA's interceptor on the west side of Mountain Creek. TRA notified the City of Dallas and repairs were complete on 3/30/2015.
12/16/15, Site 11 – Cottonwood Creek, Ammonia	Ammonia was 3.27 ppm during stream sampling. This was due to a TRA line break upstream. TRA fixed the break on 12/23/15 and ammonia levels returned to normal.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.12 Sanitary Sewer Overflow Response Plan *(TMDL)*	Follow the plan created and implemented for the response of Water Utilities and Environmental Services to SSOs. ESD's response ensures the protection of the waterways through professional advice and field testing.	1. Maintain the plan for Water Utilities and Environmental Services to respond to SSOs	Environmental Services Department, Public Works Department, Water Utilities Division	Years 1 – 5

All activities for this BMP are complete for Year 2

BMP 2.12 Activities Completed

1/1/2015
Standard Operating Procedure
The City's Water Utility and Environmental Quality Divisions respond to all sanitary sewer overflows by following a Standard Operating Procedure. Water Utility's responsibilities include, but are not limited to, cleaning, containing, and recovering sewage, and clearing, repairing, and/or replacing pipeline failures. Environmental Quality Division's responsibilities include, but are not limited to, noting visual observations and sampling for ammonia nitrogen in receiving waterbodies (if applicable). Water Utility and Environmental Quality work together to determine the cause of the overflow and the appropriate clean up response.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.13 Illicit Discharge Awareness Campaign for Businesses and General Public *(TMDL)*	Inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.	1. Educate the general public and 25% of potential polluting businesses annually through the use of brochures, videos, or other methods	Environmental Services Department, Environmental Quality Division	Year 2 – 5

All activities for this BMP are complete for Year 2

BMP 2.13 Activities Completed

12/31/2015
Educational Brochures, Newsletters, and Posters
Stormwater educational materials addressing illicit discharges were distributed throughout this reporting period. This includes, but is not limited

to, the following: An Industry's Guide for Protecting Grand Prairie's Watershed, Lawn Care Maintenance, Fat Free Sewers, A Guide for Auto Service, Repair and Maintenance Businesses, Preventing Stormwater Pollution at Construction Sites, Clean It Right, After the Storm: A Citizen's Guide to Understanding Stormwater, the AutoWatch newsletter, the Auto Related Business Ordinance, and the H2O Line. Environmental Specialists also distributed "7 Ways to Keep a Clean Shop" posters to Auto Related Businesses. The posters illustrated best management practices for these facilities and were available in English and Spanish.

4/8/2015
Stormwater Post on Facebook
The Environmental Quality Division posted two messages on Facebook, one discussing household hazardous waste and the second discussing organic gardening. .

12/31/2015
Stormwater PSAs on GPTV
The City airs the following stormwater pollution prevention PSA videos on GPTV once a day, seven days a week: Doo the Right Thing, Fats, Oils, & Grease, Detergents, Yard Waste, Paints, Fertilizers. A Stormwater to Drinking Water PSA airs twice a day, 7 days a week. (See also BMP 1.9.)

12/31/2015
Stormwater Pollution Prevention Video for Restaurants
During each food school class conducted by the Environmental Quality Division, students were shown a Stormwater Pollution Prevention video created for restaurants. English and Spanish videos were shown.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.14 Educating and Training City Field Staff ***(TMDL)***	Ensure City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training (see also BMP 5.7).	1. Determine effective means of disseminating IDDE training video to field staff 2. Disseminate IDDE training video to field staff and keep materials and attendance lists at the Environmental Quality Division office	Environmental Services Department, Environmental Quality Division	Year 2 Year 3

		3.Create and provide vehicle card or decal with contact information in the event staff observes an illicit discharge		Year 3
		4. Purchase and distribute IDDE posters for display in applicable facility buildings		Year 3

All activities for this BMP are complete for Year 2.

BMP 2.14 Activities Completed

5/1//2015
Disseminating IDDE Video
In Years 3, 4, and 5, a third of the City departments will be given the IDDE training video to show field staff. A sign-in sheet will be available to document the training.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.15 Stormwater Ordinance *(TMDL)*	Review the stormwater ordinance for necessary revisions and update as needed. The ordinance effectively prohibits non-stormwater discharges into the storm sewer system and implements enforcement procedures and actions. The ordinance also includes a description of local controls and conditions established for common and incidental non-stormwater discharges not considered illicit.	1. Review the stormwater ordinance for necessary revisions	Environmental Services Department, Environmental Quality Division	Year 2
		2. If revisions are needed, update the stormwater ordinance and prepare for Council approval		Year 3
		3. If revised, implement revised ordinance		Years 4 – 5

All activities for this BMP are complete for Year 2.

BMP 2.15 Activities Completed

12/31/2015
Ordinance Review
The stormwater ordinance was reviewed for necessary revisions in Year 2. The ordinance provides adequate legal authority, as described in the Small MS4 General Permit, Part III, Section A, 3(a)(2) a-h, to control pollutant discharges into and from the City's MS4; therefore, no revisions are needed. In addition, the City has legal authority to enter into interagency/interlocal agreements or other maintenance agreements, as necessary, as provided by Government Code Chapter 791.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.16 Litter Collection Program *(TMDL)*	Keeping the major thoroughfares clean and free of litter will reduce the amount of floatables that reach water ways. A contractor is employed to clear litter from these roadways.	1. Remove litter from major thoroughfares weekly	Environmental Services Department, Solid Waste Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.16 Activities Completed

12/31/2015
Litter Collection
The Litter Crew collected 185.85 tons of litter during this reporting period.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.17 Illegal Dumping Clean-Up *(TMDL)*	Cleaning up debris in a timely fashion reduces the amount of illegal dumping. The City investigates all illegal dumping and ensures the removal of debris.	1. Continue efforts to remove all illegally dumped debris at least 30 days from the day the violation was reported	Planning and Development Department, Code Enforcement Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.17 Activities Completed

12/31/2015
Illegal Dumping Response
The City responded to 135 illegal dumping complaints during this reporting period. Of these, 81 were reported by citizens and 54 were identified by Code or Police staff. Complaints included illegally dumped brush, trash, tires, furniture, hazardous waste, etc. Once on site, City staff cleaned

up the debris or required the property owner or responsible party to do so. Citations and warnings were issued as necessary. Illegally dumped debris was usually removed within a week of receiving the complaint, but was always removed within 30 days.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.18 Beach Sampling Program *(TMDL)*	Help reduce health risk to the visitors of Joe Pool Lake swim beaches by minimizing the public's exposure to diseases in the water.	1. Follow an SOP for beach sampling once a month during the summer or swimming months	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.18 Activities Completed

08/30/2015
Beach Sampling SOP and results
The beach sampling standard operation procedure is followed during sampling events.

This BMP is effective at reducing pollutants to the MEP. If high levels of E. coli are observed, attempts are made to determine and mitigate the source of the high levels.

Excluding during flooding conditions in May, the designated swimming areas in Lynn Creek and Loyd Parks met the *primary contact recreation 1* criteria in accordance with the 2014 Texas Surface Water Quality Standards §307.7(b)(1)(A)(i). However, samples were not collected in Lynn Creek during June and July due to the flooding and subsequent park closure. See Table 3 for results. Results that are less than the reportable limits are conservatively treated as at detection limits (i.e. <2 is 2).

Table 3: Results for Loyd Park and Lynn Creek Beach Sampling

Beach Sampling 2015 – E Coli MPN/100ML								
Month	Loyd Park West	Loyd Park Middle	Loyd Park East	**Geo Mean**	Lynn Creek West	Lynn Creek Middle	Lynn Creek East	**Geo Mean**
May	1454	420	104	**399.0**	731	232	2240	**724.2**
June	86	19	58	**45.6**	NA	NA	NA	**NA**
July	4	2	2	**2.5**	NA	NA	NA	**NA**
Aug	2	4	37	**6.7**	6	6	2	**4.16**

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.19 On Site Sewage System Permitting *(TMDL)*	On site sewage systems are regulated through an ordinance and permitted by the City. Failing septic systems are identified and abated.	1. Maintain the permitting of sewage systems 2. Respond to onsite sewage systems within 10 days of receiving complaint and enforce as necessary	Environmental Services Department, Environmental Quality Division	Years 1 – 5 Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.19 Activities Completed

1/9/2015
Complaints and Enforcement
One (1) complaint was received in Year 2. An NOV was issued for this complaint.

06/30/2015
Permitted OSSFs
One (1) OSSF was permitted in Year 2.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.20 Auto Inspection Program *(TMDL)*	Inspect auto-related businesses for water quality issues on an annual basis.	1. Inspect at least 75% of auto-related businesses annually	Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City exceeded the goals for this Year 2 BMP.

BMP 2.20 Activities Completed

12/31/2015
ARB Inspections
The Environmental Quality Division inspected 100% of the auto-related businesses in Grand Prairie in during this reporting period. Inspectors ensured ARBs were in compliance with local, state, and federal stormwater regulations.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.21 Grease Trap Pumping *(TMDL)*	In order to reduce the number of illicit discharges, ensure grease traps are being pumped as required.	1. Run report in LINKO to ensure frequency of pumping requirements are met	Environmental Services Department, Environmental Quality Division	Years 3-5

There were no required activities for Year 2 for this BMP.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.22 Horse Stables *(TMDL)*	Ensure private horse stables are maintained properly so that sources of bacteria are reduced.	1. Create inspection form 2. Perform annual inspections of private horse stables and ensure good housekeeping practices are implemented	Environmental Services Department, Environmental Quality Division, Animal Services Division, Planning and Development Department, Code Enforcement Division	Year 2 Years 3-5

All activities for this BMP are complete for Year 2.

<u>BMP 2.22 Activities Completed</u>

12/28/2015
Inspection Form
The horse stable inspection form was revised to ensure private stables are inspected for possible sources of pollutants including manure, chemicals, debris, trash, muds, etc.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.23 Sanitary Sewer Systems *(TMDL)*	Ensure sanitary sewers are functioning properly in order to reduce overflows.	1. Make improvements to sanitary sewers and lift stations, as needed	Environmental Services Department, Environmental Quality Division, Public Works Department, Water Utilities Division	Years 1-5
		2. Ensure reporting of overflows is in compliance with state requirements		Years 1-5
		3. Update the Certificate of Occupancy SOP for food manufacturers and restaurants		Year 4

All activities for this BMP are complete for Year 2.

BMP 2.23 Activities Completed

12/31/2015
Sanitary Sewer and Lift Station Improvements and Overflow Reporting
Improvements were made to sanitary sewer systems and lift stations, as needed. Sewer overflows were reported as required by the State.

MCM 3: Construction Site Stormwater Runoff Control

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
3.1 Review Construction Plans and Designs	Require designers to include erosion and sediment control measures with approved BMPs in plans and specifications in all projects in accordance with the TPDES Construction General Permit and all local and State regulations.	1. Require erosion and sediment control plans including BMP details in engineering plan submittals	Planning and Development Department, Engineering Division	Years 1 – 5
		2. Add program to document training for sediment and erosion control plan reviewers		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 3.1 Activities Completed

4/14/2015
Program Included in Document Training
During Year 2, training was documented in a spreadsheet. City staff received training on April 14-15, 2015.

12/31/2015
Require Erosion & Sediment Control Submittals
Engineering requires designers to submit drainage and erosion control plans to the City prior to any construction activity being performed within the City boundaries. In the reviewing process, engineering can determine the effectiveness of the drainage and erosion control measures and make any necessary comments to have the plan changed or modified to meet potential concerns. During this reporting period, a total of thirty-four (34) Construction Plans and Designs were submitted and reviewed for erosion and sediment controls

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
3.2 Earthwork Permit	Issue earthwork permit to grade, grub, clear, fill, or any other form of earth disturbing activity as necessary, to minimize the discharge of pollutants that may impact neighboring properties.	1. Review current earthwork permit to amend, modify, or change to reflect any new requirements if needed 2. Issue permits as required	Planning and Development Department, Engineering Division	Year 1 Years 2 – 5

All activities for this BMP are complete for Year 2.

BMP 3.2 Activities Completed

12/31/2015
Issue Earthwork Permits
Permits are issued to owners and operators based on the grading and erosion control plans submitted and accepted by the City. The Engineering Department issued a total of 81 earthwork permits during this reporting period.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
3.3 Construction Site Inspection and Enforcement Program	Assess and revise as needed the current inspection program. Review current staffing and training capabilities and adjust accordingly to comply with the new MS4 General Permit and to the extent allowable by state, federal, and local law. Compliance with the Stormwater Ordinance will be ensured by the use of non-monetary penalties, citations, permit denial, stop work orders, and holding of Certificate of Occupancy until full compliance has been achieved. Inspect construction sites to determine the condition and effectiveness of the required control measures that have been selected, installed, implemented and maintained in accordance with Federal, State, and Local requirements.	1. Revise and implement, as necessary, written procedures outlining the inspection, enforcement, and staffing requirements	Planning and Development Department, Engineering Division	Year 1
		2. Complete training of all departmental construction site inspectors. Initiate a program to formally train new inspectors by the end of their first year of their inspection assignment		Years 2 – 3
		Conduct construction site inspections, document observed violations, and provide follow-up inspections within 7 days of the notice of violation, ensuring enforcement of permit provisions		Years 3 – 5

All activities for this BMP are complete for Year 2.

BMP 3.3 Activities Completed

5/6/2015
Training
Inspectors received stormwater training in Year 2. A Stormwater Consultant Company was approached to train the Engineering Inspectors group on items related to stormwater construction activities. The training will be implemented in Year 3.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
3.4 Construction Ordinance	Review current Stormwater Construction Ordinance and Unified Development Code. Revise, modify, and implement as needed to meet the requirements as described in the Small MS4 General Permit.	1. Conduct review of Stormwater Ordinance and Unified Development Code to evaluate if sediment and erosion control requirements address Small MS4 General Permit requirements 2 Finalize Ordinance and UDC Article 14 revisions, if applicable	Planning and Development Department, Engineering Division	Years 1 – 2 Year 3

All activities for this BMP are complete for Year 2.

BMP 3.4 Activities Completed

12/31/2015

Conduct Review of Stormwater Ordinance and UDC

During the review process, City staff found the Stormwater Ordinance met the requirements of the Small MS4 General Permit. During this same review period several revisions were necessary to enhance article 14 of the Unified Development Code (UDC). These revisions went through several commenting sessions and were then presented to Council. On October 13, 2015, Council adopted the revisions on Article 14 of the UDC. These revisions are currently being implemented.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
3.5 Public Input for Stormwater Construction Activity	Implement a program for receiving calls or input regarding sediment, erosion, and/or other construction related activities, routing calls to appropriate personnel for proper response, documenting subject of call for future analysis, and training of staff to follow reporting and response procedures.	1. Revise and implement, as necessary, written procedures for receiving input, responding to input, and documenting input 2. Train staff on reporting and response procedures 3. Implement procedures	Planning and Development Department	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 3.5 Activities Completed

12/31/2015
Public Input for Stormwater Construction Activity
The process for reporting and responding to complaints from residents has been modified and updated on the City's website. The complaints are now received via email by City staff that handle stormwater and drainage complaints. The response time typically takes place in 24 hours and is logged in a master drainage data base. The master drainage data base is updated to provide reports utilizing a date range application. Staff was trained and implemented this new procedure in Year 2.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
3.6 Construction Site Inventory	Develop and maintain a list or inventory of all permitted active construction sites that result in a total land disturbance of one acre or more or that result in a total land disturbance of less than one acre if part of a larger common plan of development or sale that results in a total land disturbance of one acre or more.	1. Develop procedures to develop and maintain an inventory of applicable construction sites 2. Retain the construction site inventory so an active inventory can be made available to TCEQ upon request	Planning and Development Department, Engineering Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 3.6 Activities Completed

12/31/2015
Construction Site Inventory
In accordance with the City of Grand Prairie Unified Development Code 14, the owner/operator of a construction site must provide the City a copy of the SWP3, NOI and/or Construction Site Notice. During this reporting period a total of forty-two (42) construction sites were inventoried and documented. Thirty-seven (37) of these sites were non-municipal sites. (Table 4).

Table 4: Non-Municipal Construction Sites

Number of Non-Municipal Construction Sites Within Jurisdiction of Permittee
37

MCM 4: Post-Construction Management in New Development and Redevelopment

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
4.1 Review New Site Development and Redevelopment Plans	Require designers of new site development and redevelopments to include water quality considerations and proposed approved BMPs. Any and all amendments to the site plan review procedures shall be in accordance to the Stormwater Ordinance and post construction operation and maintenance requirements.	1. Review water quality considerations and proposed approved BMPs in engineering plan submittals	Planning and Development Department, Engineering Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 4.1 Activities Completed

12/31/2015
Review New Site Development and Redevelopment Plan
During this reporting period the Engineering Department reviewed 117 new development plan submittals.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
4.2 Stormwater Policies for Development and Redevelopment in the Unified Development Code and Stormwater Ordinances	Re-evaluate and revise the current Unified Development Code and/or Stormwater Ordinances as needed to include requirements and revisions to support water quality objectives and post construction BMP maintenance initiatives.	1. Review, evaluate and revise current Unified Development Code and/or Stormwater Ordinances and make recommendations, as needed	Planning and Development Department	Years 1 – 2

All activities for this BMP are complete for Year 2.

BMP 4.2 Activities Completed

12/31/2015

UDC Revisions

During this review period revisions were made to enhance article 14 of the Unified Development Code (UDC). These revisions went through several commenting sessions and were then presented to Council. On October 13, 2015 Council adopted the revisions on Article 14 of the UDC. These revisions are currently being implemented.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
4.3 Inspections of Post-Construction Control Measures	Identify, inventory, and inspect post-construction stormwater controls (i.e., detention/retention pond facilities) for City and privately owned properties. Document the results of the inspections including follow-up and/or enforcement actions, as applicable.	1. Review and update inspection program as necessary to ensure inspectors are trained, facility inspections are documented in an inspection report, and identified issues are resolved with follow-up and/or enforcement action taken to confirm resolution. Retain documentation of follow-up and/or enforcement actions to be made available to TCEQ upon request	Planning and Development Department	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 4.3 Activities Completed

12/31/2015

Post-Construction Control Measures

In Year 1, the City contracted a 3rd Party consultant firm to identify, inventory and inspect post construction stormwater controls (i.e., detention/retention pond facilities). During this reporting period the inspection group recorded 149 detention/retention pond facilities. During Year 2, City staff reviewed and updated the detention/retention maintenance guidelines and the pond inspection form. Staff was then trained on the new guidelines and form. No inspections were performed during this review period. Twelve new detention/retention ponds are currently undergoing construction. These new facilities will be inspected once they are complete.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
4.4 Long Term Operation and Maintenance of BMPs	For City owned or operated structural control facilities and privately owned structural control facilities required by the Unified Development Code and/or Stormwater Ordinances, the City will either maintain the structural controls or require a maintenance plan to be filed in real property records of the county by the private entity. For privately owned structural control facilities, the City will evaluate if the structural control facilities are maintained and operated as intended.	1. Maintain City owned or operated structural control facilities, as needed, to maintain their function, and document the maintenance activities. Review water quality protection considerations in maintenance plans required to be filed in the real property records by the Unified Development Code and/or Stormwater Ordinances	Planning and Development Department, Engineering Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 4.4 Activities Completed

12/31/2015

Long Term Operation and Maintenance of BMPs

The Engineering Division reviews water quality protection considerations in maintenance plans and also requires that these plans be filed in the real property records through the City's Operation and Maintenance Agreement. During this reporting year 7 post construction Operation and

Maintenance agreements were filed in the real property records. There were no City owned or operated structural control facilities in need of maintenance during this review period.

MCM 5: Pollution Prevention/Good Housekeeping for Municipal Operations

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.1 Storm Sewer System Operation and Maintenance for the City of Grand Prairie *(TMDL)*	Implement an O&M program to reduce pollutants in the MS4. Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations.	1. Maintain a computer maintenance and management system to track maintenance and complaint responses	Public Works Department, Streets Division	Years 1 – 5
		2. Respond to 80% of citizen complaints and input information into City Works Management System		Years 1 – 5
		3. Track storm sewer and drainage maintenance through City Works Management System		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.1 Activities Completed

12/31/2015
Complaint and Maintenance Response and Tracking
The City used the City Works Management System to track complaints and maintenance activities. During this reporting period, the City responded to 319 complaints and/or maintenance needs.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.2 Disposal of Waste Removed from the MS4 for the City of	Maintain standard operating procedure for the disposal of waste removed from the MS4.	1. Maintain SOP for waste disposal	Environmental Services, Environmental Quality and Solid Waste Division	Years 1 – 5

Grand Prairie ***(TMDL)***	2. Ensure compliance with 30 TAC Chapters 330 and 335	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.2 Activities Completed

1/1/2015
SOP for Waste Removal
The City maintained a Standard Operating Procedure for the disposal of waste removed from the MS4. The SOP defines the responsibilities of Streets Division personnel for clearing and disposing of waste collected from the MS4.

1/1/2015
30 TAC Chapters 330 and 335
The City's Municipal Solid Waste (MSW) facility receives waste in accordance with their Site Operating Plan, which is located in MSW permit number 996C, Attachment 14. The City's Garbage collection and disposal ordinance (Article VI) also contains provisions that outline citizens' responsibility in the waste collection process.

BMP	***BMP Description***	***Measurable Goals***	***Responsibility***	***Target Date***
5.3 Storm Sewer and Drainage Maintenance Program for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.1) ***(TMDL)***	Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations.	1. Respond to written complaints within the District	Dallas County Flood Control District #1	Years 1 – 5
		2. Perform annual maintenance reviews and prepare report		Years 1 – 5
		3. Make necessary repairs to District facilities		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.3 Activities Completed

12/31/2015
Complaints, Reviews, and Repairs

No written complaints were filed in Year 2. The annual maintenance review was conducted in December 2015, and the report was prepared in December 2015. There were no known necessary repairs to DCFCD facilities in Grand Prairie.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.4 Disposal of Waste Removed from the MS4 for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.2) ***(TMDL)***	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.	1. Maintain a SOP for waste disposal	Dallas County Flood Control District #1	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.4 Activities Completed

1/1/2015
DCFCD SOP for Waste Disposal
The DCFCD developed a standard operating procedure (SOP) for waste removed from the storm water system in 2009 as a measurable goal for the 2008 TPDES General Permit TXR040000. The 2009 SOP remains current. It includes an introduction, purpose, district general response capabilities, and procedures for clearing and collecting debris from the MS4.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.5 List Potential Problem Areas for Inspection ***(TMDL)***	Develop a list of potential problem areas, then identify and prioritize areas for increased inspection (i.e. illegal dumping).	1. Develop a list of potential problem areas 2. Identify and prioritize problem areas for increased inspection	Planning and Development Department, Code Enforcement Division	Year 2 Year 3-5

All activities for this BMP are complete for Year 2.

BMP 5.5 Activities Completed

12/31/2015
Potential Problem Areas List
A list of potential problem areas was created in Year 2. Five (5) major problem areas were identified including vacant and park land owned by the City, a City right-of-way located along an infrequently traveled road, vacant land owned/controlled by the US Army Corps of Engineers, and undeveloped, privately owned property.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.6 Street Operation and Maintenance *(TMDL)*	Remove solid pollutants from the streets to avoid contamination of the storm sewer system and dispose of properly to avoid reentry into the MS4.	1. Sweep business district, thoroughfares and some public parking lots on an annual basis and more often on high traffic roads	Environmental Services Department, Solid Waste Division	Years 1 – 5
		2. For paved areas outside of the sweeping program, the City will focus implementation of other trash and litter control procedures or provide inlet protection measures		Years 1 – 5
		3. The City will require that all non-prohibited materials be disposed of at a Type I landfill		Years 1 – 5

All activities for this BMP are complete for Year 2.

<u>BMP 5.6 Activities Completed</u>

12/31/2015
Street Sweeping
Sweeping Services of Texas, Operating, LP collected 164.55 tons during street sweeping operations for this reporting period.

12/31/2015
Additional Trash and Litter Control Measures

The litter crew is a five crew team that picks up litter from the City right of way all over the City of Grand Prairie. They do this full-time, 5 days a week. They also change out trash receptacles that have been set out at some major intersections.

1/1/2015
Type I Landfill
The code of ordinances, Article VI- Garbage Collection and Disposal, Sec. 26-101(a) states that: "All municipal solid waste generated within the City of Grand Prairie not prohibited by law for disposal in Grand Prairies Type I landfill shall be transported to the landfill for proper disposal." All materials collected within city limits are disposed of at the Grand Prairie Municipal Landfill.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.7 Educating and Training City Field Staff ***(TMDL)***	Inform or train appropriate employees involved in implementing pollution prevention and good housekeeping practices (see also BMP 2.14).	1. Determine effective means of disseminating stormwater training video to field staff	Environmental Services Department, Environmental Quality Division	Year 2
		2. Disseminate stormwater training video to field staff and keep materials and attendance lists at the Environmental Quality Division office		Year 3
		3. Create and provide vehicle card or decal with contact information in the event staff observes an illicit discharge		Year 3
		4. Purchase and distribute IDDE posters for display in applicable facility buildings		Year 3

All activities for this BMP are complete for Year 2.

<u>BMP 5.7 Activities Completed</u>

5/1//2015

Disseminating Training Video

In Years 3, 4, and 5, a third of the City departments will be given a stormwater training video to show field staff. A sign-in sheet will be available to document the training.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.8 Stormwater Management Program Data Tracking	Track all City activities related to the Stormwater Management Program through a data tracking program. Software will be used to assist with the tracking.	1. Purchase and use software	Environmental Services Department, Environmental Quality Division	Year 1
		2. Create annual report		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.8 Activities Completed

12/31/2015

MS4 Web Software

The City purchased "MS4 Web Software" from CBI Systems in Year 1 and is using this software to track MS4 activities and create annual reports.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.9 Contractor Compliance	Ensure contractors performing maintenance on City facilities meet program requirements and are provided oversight.	1. Create a contract for contractors hired by the City whose work has the potential to discharge pollutants into the MS4	Planning and Development Department	Year 3
		2. Contractually require contractors to comply with stormwater controls, good housekeeping practices, and facility specific stormwater management procedures		Year 4

		3. Develop oversight procedures to ensure contractors are using appropriate control measures and SOPs		Year 5

There are no required activities for this BMP for Year 2.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.10 Pollution Prevention for City Operation and Maintenance (O&M) Activities	Develop pollution prevention measures for City O&M activities. Perform inspections to ensure measures are working properly.	1. Determine and list City O&M activities that have the potential to discharge pollutants into the MS4	Environmental Services Department, Environmental Quality Division	Year 2
		2. Identify and list possible pollutants of concern from aforementioned O&M activities		Year 2
		3. Develop and implement pollution prevention measures for the O&M activities		Year 3
		4. Annually inspect pollution prevention measures and keep a log of inspections		Years 4 – 5

All activities for this BMP are complete for Year 2.

BMP 5.10 Activities Completed

12/31/2015
City Activities and Possible Pollutants

The City developed a list of City activities that have the potential to discharge pollutants into the MS4. Pollutants of concern were identified and listed.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.11 Structural Control Maintenance	Ensure proper maintenance of structural controls on City owned facilities.	1. Annually inspect structural controls and maintain as needed to ensure effectiveness	Environmental Services Department, Public Works Department, Parks and Recreation Department	Years 4 – 5

There are no required activities for this BMP for Year 2.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.12 Mapping Facilities	Identify the locations of City owned and operated facilities and stormwater controls.	1. Determine locations of City owned and operated facilities and stormwater controls 2. Map locations in GIS	Environmental Services Department, Environmental Quality Division	Year 2 Year 3

All activities for this BMP are complete for Year 2.

BMP 5.12 Activities Completed

12/31/2015
City Owned and Operated Facilities and Stormwater Controls
A list of one hundred and thirty (130) City owned and operated facilities was developed. Stormwater controls were determined for each location.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.13 Mosquito Management Program	Maintain mosquito management methods that will not result in illicit discharges to the MS4.	1. Maintain integrated mosquito management methods when handling and applying pesticides	Environmental Services Department, Environmental Quality Division	Years 1 – 5

	2. Use low toxicity bio-controls for larvae control		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.13 Activities Completed

12/31/2015
Bio-Controls
The City used Altosid, Gambusia affinis fish, and BTi Briquettes for managing the mosquito population during this reporting period. Altosid XR ((S)-Methoprene), EPA registration No. 2724-375, is a larviciding agent that interferes with the ability of mosquito larvae to become adults, but does not kill them. Altosid has a toxicity category of "Caution". Gambusia affinis fish were used in bodies of water with mosquito breeding problems. This biological control provides an abatement program directed primarily toward the prevention, elimination, or control of mosquitoes capable of disease transmission. BTi Briquettes (mosquito dunks) were also used.BTi Briquettes are biological larvicides containing Bacillus thuringiensis israelensis, which kills only mosquito larvae (EPA registration No. 6218-47) and has a toxicity category of "Caution".

12/31/2015
Integrated Mosquito Management
The Environmental Quality Division's mosquito control plan is based on comprehensive Integrated Pest Management which includes, but is not limited to, mosquito and disease surveillance, source reduction, complaint investigations, public education, biological control (mosquito fish production), larval and adult mosquito control, and insecticide resistance management.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.14 Facility Inventory	Develop and maintain a facility and stormwater control inventory for City owned and operated facilities.	1. Develop a list of City facilities that have the potential to discharge pollutants into the MS4	Environmental Services Department, Public Works Department, Parks and Recreation Department	Year 2
		2. Develop a list of stormwater controls for each facility		Year 3
		3. Include applicable permit numbers, registration numbers, and authorizations for each facility or control		Year 3

All activities for this BMP are complete for Year 2.

BMP 5.14 Activities Completed

12/31/2015
City Facilities with Potential to Discharge into the MS4
A list of City facilities that have the potential to discharge pollutants into the MS4 was developed in Year 2.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.15 Facility Assessment	Identify high priority facilities and document results.	1. Review facilities identified in BMP 5.14 for potential to discharge pollutants into stormwater	Environmental Services Department, Public Works Department, Parks and Recreation Department	Year 4
		2. Identify high priority facilities, including City maintenance yards and fuel storage locations. Use checklist during assessment		Year 4
		3. Document results. Maintain copies of site evaluation checklists and any identified deficiencies and corrective actions taken		Year 4

There are no required activities for this BMP for Year 2.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
5.16 Facility Specific SOPs	Develop facility specific stormwater management SOPs to minimize discharge of pollutants into stormwater.	1) Develop SOP, or maintain equivalent existing plan, for each facility identified in BMP 5.15. SOP or plan will identify BMPs to be installed, implemented, and maintained 2) Update the plan and make available for review by the TCEQ	Environmental Services Department, Public Works Department, Parks and Recreation Department	Year 5 Year 5

There are no required activities for this BMP for Year 2.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
5.17 Stormwater Controls for High Priority Facilities	Implement specific stormwater controls at high priority facilities identified in BMP 5.15.	1) Include in SOPs (BMP 5.16) stormwater controls for 1) good housekeeping, 2) de-icing and anti-icing material storage, 3) fueling operations and vehicle maintenance, and 4) equipment and vehicle washing	Environmental Services Department, Public Works Department, Parks and Recreation Department	Year 5

There are no activities listed for this BMP for Year 2.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
5.18 Inspect City Facilities	Inspect high priority City facilities identified in BMP 5.15 for Best Management Practices.	1. Create inspection form for City facilities	Environmental Services Department, Environmental Quality	Year 4

	2. Inspect high priority facilities identified in BMP 5.15 annually	Division	Years 4 – 5

There are no required activities for this BMP for Year 2.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
5.19 Pesticide, Herbicide, and Fertilizer Application and Management	Evaluate landscape and pesticide management for City owned and operated areas and ensure proper management techniques are being implemented in order to decrease pollutants to the MS4.	1. Evaluate materials used and activities performed for pollution prevention opportunities	Environmental Services Department, Environmental Quality Division	Year 3
		2. Educate pesticide, fertilizer, and herbicide applicators and distributors on proper management techniques and ensure necessary certifications and permits are obtained		Years 2 – 5
		3. Maintain SmartScape gardens at Water Utilities and Prairie Paws facilities		Years 1 – 5
		4. When applicable, include chemical application schedule in landscape and pesticide contracts to minimize discharges of pollutants due to irrigation or expected precipitation		Years 4 – 5

	5. Properly collect and dispose of unused pesticide, herbicide, and fertilizer		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.19 Activities Completed

12/31/2015
Maintenance of SmartScape Gardens
The Water Utilities and Prairie Paws SmartScape demonstration gardens were maintained during this reporting period.

12/31/2015
Collection and Disposal of Unused Pesticide, Herbicide, and Fertilizer
Unused pesticide, herbicide, and fertilizer is collected and disposed of properly. Prime Pest, the City's pest control contractor, takes back any unused product. In addition, the City purchases herbicide and fertilizer in small quantities and uses all of the material. This allows for minimal disposal needs, if any.

12/31/2015
Commercial Pesticide, Herbicide & Fertilizer Application Education
The City created a flyer on the proper application practices for pesticides, herbicides, and fertilizers. This flyer was sent to applicable City contractors.

12/31/2015
Permits and Certifications
The City requires that contractors provide permits and certifications that are necessary to their profession.

MCM 6: Industrial Stormwater Sources

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
6.1 Stormwater Industrial Inspection Program	Require that facilities comply with any NPDES or TPDES stormwater permit applicable under the SIC code.	1. Continue to provide 75% of industries the applications for coverage, when applicable	Environmental Services Department, Environmental Quality Division	Years 1 – 5

		2. Enforce failure to apply for or obtain permit coverage		Years 1 – 5
		3. Perform inspections once every 3 years to ensure compliance with the stormwater permit and to ensure control measures for discharges are met		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 6.1 Activities Completed

12/31/2015
Applications, Enforcement and Inspections
100% of industries were provided applications for NPDES or TPDES coverage, when applicable. Notice of Violations and/or citations were given to facilities that failed to apply for or obtain stormwater coverage. Inspections of industrial facilities are performed at least once every 3 years.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
6.2 Existing SWP3s	Three existing SWP3s are maintained for the Airport, the Landfill, and the Service Center, as required by the general permit TXR05000.	1. Ensure compliance with, maintain, and update SWP3s for the permits at the three existing regulated facilities	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Review the SWP3s annually for any changes required		Years 1 – 5
		3. Inspect all three sites annually		Years 1 – 5

	4. Ensure that required annual SWP3 training is conducted	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 6.2 Activities Completed

11/2/2015

Quarterly Visual Inspections

The three City facilities regulated by the general permit TXR05000 are the Municipal Airport, Landfill, and Service Center. In addition to the inspections performed at these facilities for the purpose of maintaining and updating their corresponding SWPPPs, outfalls at each facility are monitored during qualifying rainfall events on a quarterly basis. The Airport was monitored on 1/2/15, 4/13/15, 9/9/15, and 10/23/15. The Service Center was monitored on 1/23/15, 4/14/15, 9/30/15, and 11/2/15. The Landfill was monitored on 1/12/15, 3/20/15, 4/13/15, 9/30/15, and 10/23/15.

12/30/2015

Annual Inspections

Annual comprehensive compliance inspections were conducted for each MSGP City facility. The Airport was inspected on 12/29/15, the Service Center, Fleet Services and Equipment Services were inspected on 12/30/15, and the Landfill was inspected on 12/28/15.

11/12/2015

Training for City MSGP Sites

Training videos were shown to City staff at three MSGP facilities. Twenty-Six (26) Service Center personnel watched *Job Site Cleanup* on 6/26/15. *Preventing Storm Water Pollution*, a COG training video, was shown to six (6) Airport personnel on 8/17/15, sixteen (16) Service Center personnel on 11/12/15, and twenty (20) Landfill personnel on 7/30/15.

12/31/2015

SWPPP Updates

The site map of all the three facilities were updated with the 2015 aerial maps. The Airport map was updated with relocated outfall locations, new hangers, and a recently developed parking area. Storage trailers were added to the Service Center map. The Landfill map was updated with the locations of the gas lift compressions, brush and mulch area, concrete crushing operations, convenience center (i.e. tires, electronics, refrigerants), and the a new office building.

Part VII. 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.

I further certify that I am authorized under 30 Texas Administrative Code 305.128 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

City of Grand Prairie

Signature: _____

Printed Name: _____

Title: _____

Date: _____

Dallas County Flood Control District #1

Signature: _____

Printed Name: _____

Title: _____

Date: _____

APPENDIX A: Interlocal Agreement

STATE OF TEXAS)
COUNTY OF DALLAS)

INTERLOCAL AGREEMENT BETWEEN CITY OF GRAND PRAIRIE AND THE DALLAS COUNTY FLOOD CONTROL DISTRICT #1 CONCERNING JOINT SUBMISSION OF THE STORM WATER MANAGEMENT PROGRAM

This agreement is between the City of Grand Prairie, by and through its duly authorized City Manager, and the Dallas County Flood Control District #1, by and through its President. It is an Interlocal Agreement between two political subdivisions within the State of Texas, authorized in Chapter 791 of the Texas Government Code, and concerning an item of mutual interest and importance. This Interlocal Agreement for the joint submission of a Storm Water Management Program to satisfy the requirements of the permit application to the Texas Commission on Environmental Quality (TCEQ) for compliance with Texas Pollutant Discharge Elimination System (TPDES) General Permit No. TXR040000 relating to storm water discharges associated with small municipal separate storm sewer systems is made and entered into by and between the City of Grand Prairie, Texas (hereafter referred to as the "**CITY**"), and the Dallas County Flood Control District #1 (hereafter referred to as the "**DISTRICT**").

WHEREAS, the **CITY** and the **DISTRICT** mutually desire to enter into an **AGREEMENT** to partner with each other in the joint submission of a Storm Water Management Program to the TCEQ for compliance with Phase II requirements; and

WHEREAS, the parties recognize the joint benefits in the joint submission of a Storm Water Management Program; and

NOW, THEREFORE, FOR AND IN CONSIDERATION OF THE MUTUAL COVENANTS SET OUT HEREIN, the City of Grand Prairie and the Dallas County Flood Control District #1 agree as follows:

1. The **CITY** and the **DISTRICT** agree to a joint submission of a Storm Water Management Program to the TCEQ in compliance with Phase II requirements.

2. The **CITY** and the **DISTRICT** agree that services related to the inspection and maintenance of **DISTRICT** owned storm water systems within the **DISTRICT** boundaries, as noted in Attachment 1, will continue to be the financial responsibility of the **DISTRICT.**

3. The **CITY** and the **DISTRICT** agree that the **CITY** will perform all of the required portions of the Storm Water Management Program in regards to: the minimum control measures within the City of Grand Prairie including within the limits of the **DISTRICT**, with the exception of MCM 5.1 and MCM 5.2, as denoted in the Storm Water

Management Program. The **DISTRICT's** specific responsibilities are defined in MCM 5.3 and MCM 5.4, as shown in Attachment 2, relating to the maintenance of drainage components and disposal of waste removed from the MS4, as denoted in the Storm Water Management Program.

4. The **CITY** and the **DISTRICT** agree that the **DISTRICT** will provide detailed information on **DISTRICT** activities within the **DISTRICT** boundaries in the City of Grand Prairie to the **CITY** by February 1 of each year for the next five (5) years, in an electronic format so that the **CITY** may complete its annual report to the TCEQ.

5. The parties represent by the execution of this document that they have authority to act, and that the appropriate body has taken action to approve this contract.

6. Neither party intends by entry into this agreement to waive any immunity that it might have in the performance of its governmental duties.

Executed on this 9th day of May, 2014.

CITY OF GRAND PRAIRIE

by: _____
Printed Name: TOM COX
Title: DEPUTY CITY MANAGER

ATTEST:

_____
CITY SECRETARY

APPROVED AS TO FORM:

_____
CITY ATTORNEY

DALLAS COUNTY FLOOD CONTROL DISTRICT #1

by: _____
Printed Name: ROBERT M. NELSON, JR.
Title: PRESIDENT

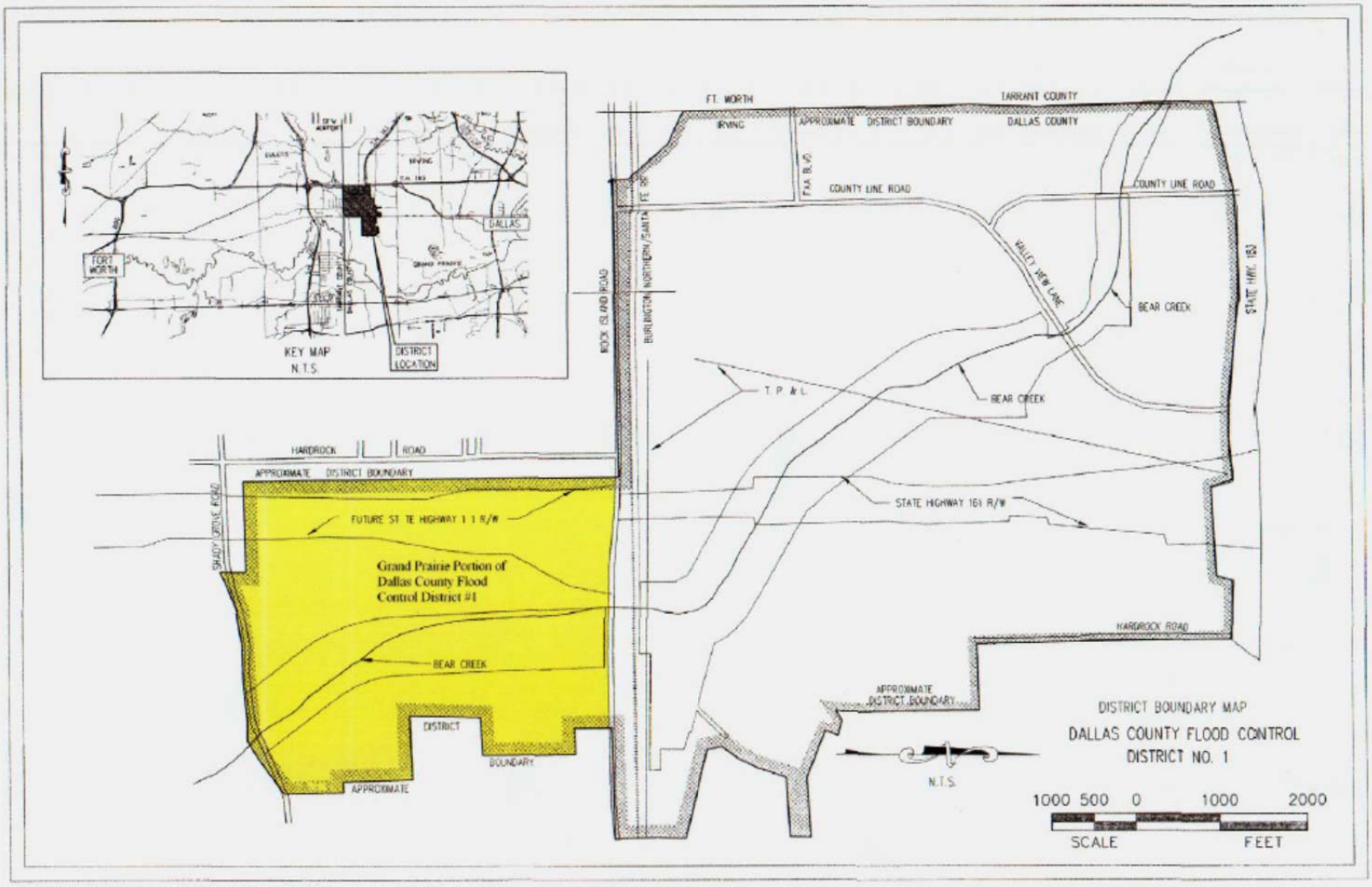
ATTEST:

by: _____

APPROVED AS TO FORM:

_____
ATTORNEY FOR THE DALLAS COUNTY FLOOD CONTROL DISTRICT #1

ATTACHMENT 1



ATTACHMENT 2

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
5.1 Storm Sewer System Operation and Maintenance for the City of Grand Prairie	Implement an O&M program to reduce pollutants in the MS4.Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations.	1. Implement a computer maintenance and management system to track maintenance and complaint responses.	Public Works Department, Streets Division	Years 1 – 5
		2. Respond to 80% of citizen complaints and input information into City Works Management System		Years 1 – 5
		3. Track storm sewer and drainage maintenance through City Works Management System		Years 1 – 5
5.2 Disposal of Waste Removed from the MS4 for the City of Grand Prairie	Maintain standard operating procedure for the disposal of waste removed from the MS4.	1. Maintain SOP for waste disposal	Environmental Services, Environmental Quality and Solid Waste Division	Years 1 – 5

		2. Ensure compliance with TAC Chapters 330 and 335		Years 1 – 5
5.3 Storm Sewer and Drainage Maintenance Program for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see MCM 5.1)	Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations.	1. Respond to written complaints within the District	Dallas County Flood Control District #1	Years 1 – 5
		2. Perform annual maintenance reviews and prepare report		Years 1 – 5
		3. Make necessary repairs to District facilities		Years 1 – 5
5.4 Disposal of Waste Removed from the MS4 for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see MCM 5.2)	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.	1. Maintain a SOP for waste disposal	Dallas County Flood Control District #1	Years 1 – 5

APPENDIX B: Annexed Land

CITY OF GRAND PRAIRIE ORDINANCE NO. 9941-2015
CITY OF FORT WORTH ORDINANCE NO. 21846-08-2015

A JOINT ORDINANCE AND BOUNDARY AGREEMENT BETWEEN THE CITY OF GRAND PRAIRIE AND THE CITY OF FORT WORTH RELEASING AND ACCEPTING CORPORATE LIMITS.

STATE OF TEXAS §
§
COUNTY OF TARRANT §

WHEREAS, the City of Fort Worth ("Fort Worth") is a home-rule city situated within the Counties of Tarrant, Denton, Parker, Johnson and Wise, Texas; and

WHEREAS, the City of Grand Prairie ("Grand Prairie") is a home-rule city situated within the Counties of Tarrant, Ellis and Dallas, Texas; and

WHEREAS, Fort Worth and Grand Prairie share common boundaries; and

WHEREAS, Fort Worth has received a petition in writing from Oaksbranch, L.P., whose property straddles both cities, requesting the disannexation of the property by Fort Worth and annexation by Grand Prairie to facilitate the development of the property; and

WHEREAS, municipalities in Texas are authorized and empowered, pursuant to Chapter 43 of the Texas Local Government Code, to exchange area with other municipalities; and

WHEREAS, Section 43.031 of the Texas Local Government Code authorizes adjacent municipalities to make mutually agreeable changes in their boundaries of areas that are less than 1,000 feet in width; and

WHEREAS, the tract of land subject to this Ordinance shown on Exhibit "A" and fully described in Exhibit "B" is less than 1,000 feet in width; and

WHEREAS, Fort Worth and Grand Prairie desire to adjust their corporate boundary lines, whereby Fort Worth will release land from its corporate limits to be relinquished to and become part of the corporate limits of Grand Prairie, and Grand Prairie will accept this land from Fort Worth to become part of the corporate limits of Grand Prairie; and

WHEREAS, the respective governing bodies of the cities hereby determine that this joint ordinance is in the best interest of the health, safety, morals and welfare of the citizens of the respective cities and hereby authorize the mayor of each city to execute this joint ordinance and agreement.

NOW, THEREFORE, BE IT ORDAINED AND MUTALLY AGREED BY THE CITY COUNCIL OF THE CITY OF GRAND PRAIRIE AND THE CITY COUNCIL OF

THE CITY OF FORT WORTH:

SECTION 1.

Pursuant to Sections 43.021 and 43.031 of the Texas Local Government Code, the City of Fort Worth and the City of Grand Prairie hereby agree that the boundaries between the cities will be adjusted as depicted in Exhibit "A", which is attached hereto and incorporated herein for all purposes.

SECTION 2.

In accordance with the terms of this Joint Ordinance and Boundary Agreement, the City of Fort Worth hereby relinquishes approximately 6.17 acres on Exhibit "A" and described in Exhibit "B" to the City of Grand Prairie and disannexes and discontinues such property as part of the City of Fort Worth. The City of Grand Prairie accepts and annexes the land depicted on Exhibit "A" into its corporate limits.

SECTION 3.

This ordinance shall be cumulative of all provision of ordinances of the City of Fort Worth and the City of Grand Prairie, except where the provisions of this ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are hereby repealed.

SECTION 4.

It is hereby declared to be the intention of the City Councils of Fort Worth and Grand Prairie that the phrases, clauses, sentences, paragraphs, and sections of this ordinance are severable, and if any phrase, clause, sentence, paragraph, or section of this ordinance shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections, since the same would have been enacted without incorporation in this ordinance of any such unconstitutional phrase, clause, sentence, paragraph, or section.

SECTION 5.

The City of Fort Worth and the City of Grand Prairie do hereby covenant and agree to protect, preserve, and defend the herein depicted boundary adjustment.

SECTION 6.

The City of Fort Worth and the City of Grand Prairie agree and ordain that the adoption by both cities of this Joint Ordinance and Boundary Agreement, and the boundary changes resulting there from do not mitigate, diminish or lessen any way the rights that either party may have, at law or in equity, to challenge or contest any other annexations, attempted annexations, or extraterritorial jurisdiction claims made by the other party.

SECTION 7.

The Joint Ordinance and Boundary Agreement shall become effective and shall become a binding agreement upon the City of Fort Worth and the City of Grand Prairie by the adoption of same in regular open city council meetings of the City of Fort Worth and the City of Grand Prairie.

SECTION 8.

This Joint Ordinance and Boundary Agreement, upon adoption by both cities, shall be executed in duplicate originals by the Mayor of each city.

APPROVED this 25th day of August, 2015.

CITY OF FORT WORTH, TEXAS

Mayor Betsy Price, City of Fort Worth

ATTEST:

Mary J. Kayser, City Secretary
City of Fort Worth

APPROVED AS TO FORM AND LEGALITY:

Melinda Ramos, Senior Assistant City Attorney

APPROVED THIS 15TH DAY OF SEPTEMBER, 2015.

CITY OF GRAND PRAIRIE, TEXAS

Ron Jensen, Mayor, City of Grand Prairie

ATTEST:

City Secretary, City of Grand Prairie

APPROVED AS TO FORM:

City Attorney, City of Grand Prairie

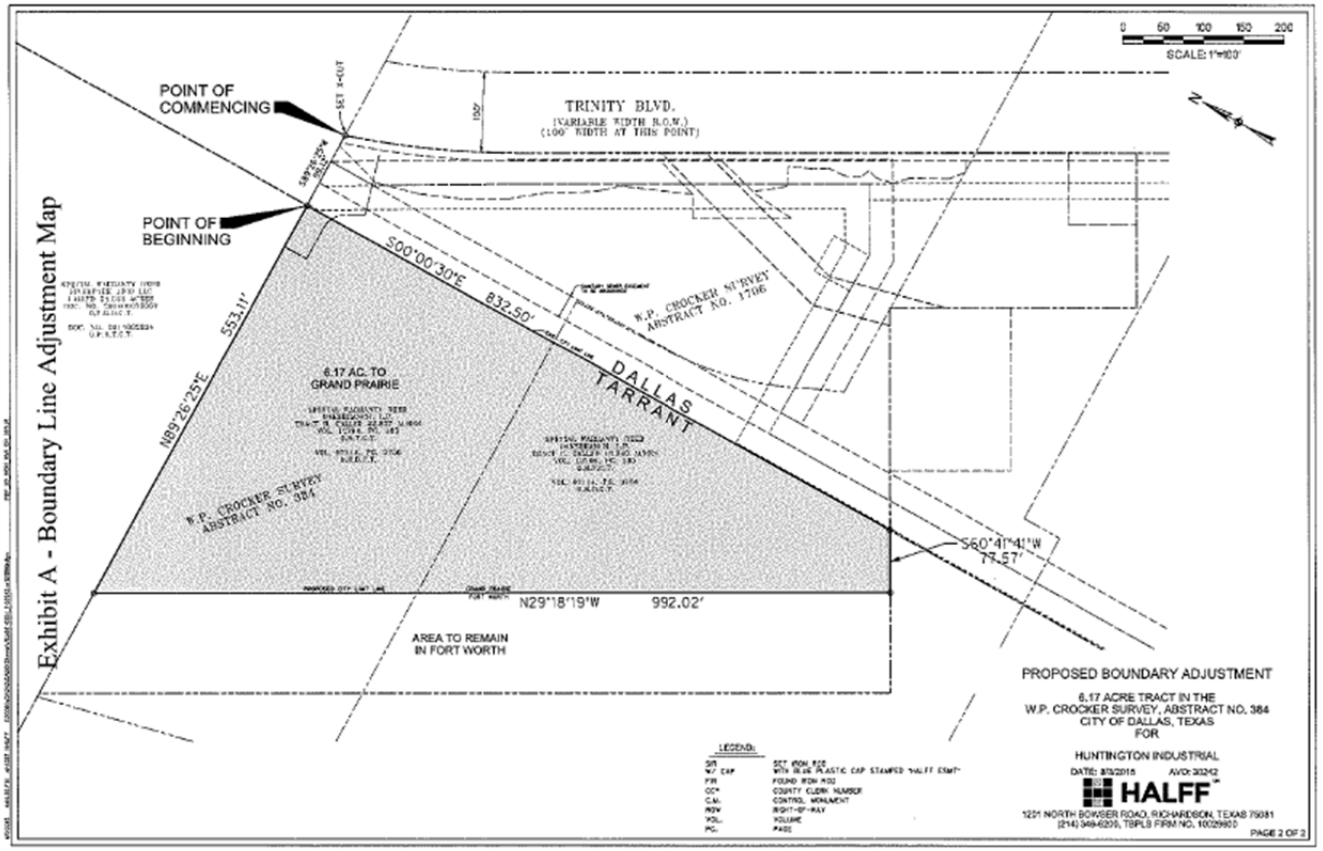


Exhibit A - Boundary Line Adjustment Map
POINT OF COMMENCING
POINT OF BEGINNING
SET X-CUT
TRINITY BLVD.
(VARIABLE WIDTH R.O.W.)
(100' WIDTH AT THIS POINT)
150'
S89°26'25"W
80.0'
S00°00'30"E
832.50'
N89°26'25"E
553.11'
W.P. CROCKER SURVEY ABSTRACT NO. 1706
DALLAS
TARRANT
6.17 AC. TO GRAND PRAIRIE
W.P. CROCKER SURVEY ABSTRACT NO. 384
S60°41'41"W
71.57'
N29°18'19"W
992.02'
AREA TO REMAIN IN FORT WORTH
0 50 100 150 200
SCALE: 1"=100'
N
LEGEND:
SET IRON ROD WITH BLUE PLASTIC CAP STAMPED "HALFF ESMT"
FOUND IRON ROD
COUNTY CLERK NUMBER
CONTROL MONUMENT
RIGHT-OF-WAY
VOLUME
PAGE
PROPOSED BOUNDARY ADJUSTMENT
6.17 ACRE TRACT IN THE
W.P. CROCKER SURVEY, ABSTRACT NO. 384
CITY OF DALLAS, TEXAS
FOR
HUNTINGTON INDUSTRIAL
DATE: 8/3/2015 AVO: 30242
HALFF
1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS 75081
(214) 346-6200, TBPLS FIRM NO. 10029600
PAGE 2 OF 2

Exhibit B - Legal Description

FIELD NOTES DESCRIBING A TRACT OF LAND FROM
THE CITY OF FORT WORTH
TO THE CITY OF GRAND PRAIRE

Being a tract of land in the W.P. Crocker Survey, Abstract No. 384 in Tarrant County, Texas, being in the city of Fort Worth, being a part of those tracts of land called Tract B and Tract C in Special Warranty Deed to Oaksbranch, L.P., as recorded in Volume 12796, Page 185 in the Official Records of Tarrant County (O.R.T.C.T.), Texas and as recorded in Volume 97114, Page 3756 in the Deed Records of Dallas County, Texas (D.R.D.C.T.) and being more particularly described as follows:

COMMENCING at a set "X" cut on the west right-of-way line of Trinity Boulevard (variable width right-of-way, 100 feet at this point), being the northwest corner of that called 4.587 acre tract of land described as Right-of-Way in Judgment Nunc Pro Tunc as recorded in Document No. 20080327861 in the Official Public Records of Dallas County, Texas;

THENCE South 89 degrees 26 minutes 25 seconds West, a distance of 99.12 feet more or less, to the POINT OF BEGINNING, being on the common City of Grand Prairie city limit line and the City of Fort Worth city limit line as described in City of Fort Worth Ordinance No. 3872;

THENCE South 00 degrees 00 minutes 30 seconds East, along said common city limit line, a distance of 832.50 feet to a point for corner;

THENCE South 60 degrees 41 minutes 41 seconds West, departing said common city limit line, a distance of 77.57 feet to a point for corner;

THENCE North 29 degrees 18 minutes 19 seconds West, a distance of 992.02 feet to a point for corner on the south line of Lot 1, Block 1, Riverpark Addition, an addition to the cities of Grand Prairie and Fort Worth, as recorded in Document No. D214111555 O.R.T.C.T.;

THENCE North 89 degrees 26 minutes 25 seconds East, along said south line, a distance of 553.11 feet to the POINT OF BEGINNING AND CONTAINING 268,765 square feet or 6.17 acres of land, more or less.

"This document was prepared under 22TAC 663.21, does not reflect the results of an on the ground survey, and is not to be used to convey or establish interests in real property except those rights and interests implied or established by the creation or reconfiguration of the boundary of the political subdivision for which it was prepared."

ORDINANCE NO. 9966-2015

AN ORDINANCE OF THE CITY OF GRAND PRAIRIE, TEXAS, ANNEXING INTO THE CITY OF GRAND PRAIRIE, TEXAS, A TRACT OF LAND OUT OF THE JOSEPH MANGRUM SURVEY, ABSTRACT NO. 861, SITUATED IN THE CITY OF IRVING, DALLAS COUNTY, TEXAS, AND BEING THAT AREA OF LAND CONTAINED BETWEEN THE OLD NORTH RIGHT-OF-WAY LINE OF HUNTER FERRELL ROAD (A VARIABLE WIDTH RIGHT-OF-WAY) AND THE NEW NORTH RIGHT-OF-WAY LINE OF HUNTER FERRELL ROAD (A VARIABLE WIDTH RIGHT-OF-WAY, 100 FEET AT THIS POINT), AS ANNEXED INTO THE CITY OF IRVING, TEXAS, BY ORDINANCE NUMBER 931, DATED AUGUST 15, 1963, AND RECORDED IN THE CITY SECRETARY'S OFFICE OF THE CITY OF IRVING AND BEING MORE PARTICULARILY DESCRIBED BELOW; AND FURTHER ANNEXING INTO THE CITY OF GRAND PRAIRIE, TEXAS, A TRACT OF LAND OUT OF THE JOSEPH MANGRUM SURVEY, ABSTRACT NO. 861, THE PERRY LINNEY SURVEY, ABSTRACT NO. 778, THE JOHN C. READ SURVEY, ABSTRACT NO. 1184, AND THE ISRAEL JENNINGS SURVEY, ABSTRACT NO. 679, SITUATED IN THE COUNTY OF DALLAS, TEXAS, AND BEING THAT AREA OF LAND CONTAINED BETWEEN THE OLD NORTH AND SOUTH RIGHT-OF-WAY LINES OF HUNTER FERRELL ROAD (A VARIABLE WIDTH RIGHT-OF-WAY) AND BETWEEN THE EXISTING CITY LIMIT LINES OF THE CITY OF IRVING, DALLAS COUNTY, TEXAS, AS ANNEXED BY ORDINANCE NUMBER 931, DATED AUGUST 15, 1963, AND RECORDED IN THE CITY SECRETARY'S OFFICE OF THE CITY OF IRVING, AND THE EXSTING CITY OF GRAND PRAIRIE, DALLAS COUNTY, TEXAS, AS ANNEXED BY ORDINANCE NUMBER 1912, DATED MAY 28, 1968, AND RECORDED IN THE SECRETARY'S OFFICE OF THE CITY OF GRAND PRAIRIE, AND BEING MORE PARTICULARLY DESCRIBED BELOW; AND DIS-ANNEXING FROM THE CITY OF GRAND PRAIRIE, TEXAS, A TRACT OF LAND OUT OF THE ISRAEL JENNINGS SURVEY, ABSTRACT NO. 679, SITUATED IN THE DALLAS COUNTY, TEXAS, AND BEING A PORTION OF THE CITY OF GRAND PRAIRIE, AS DESCRIBED IN ORDINANCE NUMBER 912, DATED MAY 28, 1968, AND RECORDED IN THE CITY SECRETARY'S OFFICE OF THE CITY OF GRAND PRAIRIE, AND BEING MORE PARTICULARLY DESCRIBED BELOW; AND DIS-ANNEXING FROM THE CITY OF GRAND PRAIRIE, TEXAS, A TRACT OF LAND SITUATED IN THE ISRAEL JENNINGS SURVEY, ABSTRACT NO. 679, IN THE CITY OF GRAND PRAIRIE, DALLAS COUNTY, TEXAS, AND BEING PART OF THAT CERTAIN CALLED 4.6304 ACRE TRACT OF LAND DESCRIBED IN RIGHT-OF-WAY DEED TO THE COUNTY OF DALLAS, AS RECORDED IN DOCUMENT NO. 200402711840 IN THE OFFICIAL RECORDS OF DALLAS COUNTY, TEXAS, AND BEING MORE PARTICULARLY DESCRIBED BELOW; PROVIDING THAT FUTURE INHABITANTS OF THE ANNEXED TERRITORY SHALL HAVE ALL THE PRIVILEGES OF ALL THE CITIZENS OF GRAND PRAIRIE, TEXAS; PROVIDING THAT THIS ORDINANCE SHALL AMEND EVERY PRIOR ORDINANCE IN CONFLICT HEREWITH; PROVDING THAT THIS ORDINANCE SHALL BE CUMULATIVE OF ALL PRIOR ORDINANCES NOT IN DIRECT CONFLICT; PROVIDING FOR SEVERABILITY; AND NAMING AN EFFECTIVE DATE

WHEREAS, the City of Irving ("Irving") is a home city situated within the County of Dallas, State of Texas; and

WHEREAS, the City of Grand Prairie ("Grand Prairie") is a home rule city situated within the Counties of Tarrant, Dallas, and Ellis, State of Texas; and

WHEREAS, the hereinafter described territory subject to annexation is adjacent to and within the extraterritorial jurisdiction and municipal limits of both the Grand Prairie and Irving under the terms of the Municipal Annexation Act of the State of Texas; and

WHEREAS, portions of the hereinafter described territory also include the right-of-way of Hunter Ferrell Road, currently maintained by Dallas County, of which Dallas County seeks to relinquish all claim and responsibility of which the City of Grand Prairie seeks to garner all claim and responsibility; and

WHEREAS, Grand Prairie and Irving desire to establish a mutual municipal boundary line along Hunter Ferrell Road, between Belt Line Road and MacArthur Boulevard, and hereto forth Grand Prairie shall de-annex and relinquish all claim to property lying north of the mutual boundary line and annex all property lying south of the mutual boundary line and Irving shall de-annex and relinquish all claim to the property lying south of the mutual boundary line and annex all property lying north of the mutual boundary line, and

WHEREAS, Grand Prairie and Irving desire to also establish a mutual municipal boundary line along MacArthur Boulevard, south of Hunter Ferrell Road, and hereto forth Grand Prairie shall de-annex and relinquish all claim to property lying east of the mutual boundary line and Irving shall annex all property lying east of the mutual boundary line, and

WHEREAS, a public hearing before the City Council of Grand Prairie, wherein all interested persons were provided an opportunity to be heard on the proposed annexation of territory hereinafter described, was held in the City Council Chambers in the City Hall of Grand Prairie, on October 13, 2015; and

WHEREAS, a second public hearing before the City Council of Grand Prairie, wherein all interested persons were provided an opportunity to be heard on the proposed annexation of territory hereinafter described, was held in the City Council Chambers in the City Hall of Grand Prairie, on November 03, 2015; and

WHEREAS, notice of the first such public hearing was published in a newspaper having a general circulation in the Grand Prairie, and in the hereinafter described territory, on October 1, 2015, which date was not more than twenty (20) days nor less than ten (10) days prior to the date of said public hearing; and

WHEREAS, a correction notice of the first public hearing was published in a newspaper having a general circulation in Grand Prairie, and in the hereinafter described territory, on

October 11, 2015, correcting the previously notice that incorrectly stated the year of the two public hearings dates as 2013 instead of 2015, and

WHEREAS, notice of the second such public hearing was published in a newspaper having a general circulation in the Grand Prairie, and in the hereinafter described territory, on October 22, 2015, which date was not more than twenty (20) days nor less than ten (10) days prior to the date of said public hearing; and

WHEREAS, prior to the posting and publication of the notices of public hearing, a Service Plan providing for the extension of municipal services into the hereinafter described territory was prepared for inspection by and explanation to the inhabitants of the area to be annexed; and

WHEREAS, the population of Grand Prairie, is in excess of 100,000 inhabitants; and

WHEREAS, the hereinafter described territory lies adjacent to and adjoins Grand Prairie.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRAND PRAIRIE, TEXAS:

The purpose of the public hearing is to consider the proposed-petitioned annexation of the following described territory:

SECTION 1

PARCEL 1 FIELD NOTES DESCRIBING A PORTION OF HUNTER FERRELL ROAD FROM THE CITY OF IRVING TO THE CITY OF GRAND PRAIRIE

BEING a tract of land out of the Joseph Mangrum Survey, Abstract No. 861, situated in the City of Irving, Dallas County, Texas, and being that area of land contained between the old north right-of way line of Hunter Ferrell Road (a variable width right-of-way) and the new north right-of-way line of Hunter Ferrell Road (a variable width right-of-way, 100 feet at this point), as annexed into the City of Irving, Texas, by Ordinance Number 931, dated August 15, 1963, and recorded in the City Secretary's office of the City of Irving and being more particularly described in three tracts as follows:

Tract 1:

BEGINNING at a point for corner at the intersection of the prolongation of the common line between the west line of Lot 1, Block A of the Arkansas Freightways Addition, an addition to the City of Irving, as recorded in Volume 92230, Page 3720, of the Deed Records of Dallas County, Texas (D.R.D.C.T.) and the east right-of-way line of Beltline Road (a variable width right-of-way) and the prolongation of the common line between the south line of said Lot 1 and the north line of said old north right-of-way line;

THENCE North 04 degrees 40 minutes 52 seconds West, along the prolongation of said west line and said east right-of-way line, a distance of 40.08 feet to a point for corner at the intersection of said prolongated west line and east right-of-way line and the prolongation of said new north right of-way line;

THENCE South 89 degrees 53 minutes 58 seconds East, along said prolongated new north right of-way line, at a distance of 56.15 feet pass the old right-of-way curve between said old north right-of-way line and said east right of way line, and continue along said new north right-of-way line, a distance of 546.65 feet to a 1/2-inch set iron rod with yellow plastic cap stamped HALFF ASSOC.INC. (hereinafter referred to as with cap) for corner;

THENCE South 89 degrees 57 minutes 54 seconds East, continuing along said new north right-of-way line a distance of 149.01 feet to a 1/2-inch set iron rod with cap for corner;

THENCE South 89 degrees 57 minutes 55 seconds East, continuing along said new north right-of-way line, a distance of 676.93 feet to a point for corner;

THENCE South 89 degrees 57 minutes 52 seconds East, continuing along said new north right-of-way line, a distance of 144.87 feet to a 1/2-ihch set iron rod with cap for corner;

THENCE North 89 degrees 03 minutes 43 seconds East, continuing along said new north right-of-way line, a distance of 1,222.74 feet to a 1/2-inch set iron rod with cap for corner;

THENCE South 89 degrees 15 minutes 12 seconds East, continuing along said new north right of-way line. a distance of 297.01 feet to a point for the common southeast corner of that tract of land described as Tract 5 in deed to the Harrington Corporation, as recorded in Volume 90005, Page 4008, D.R.D.C.T., and the southwest corner of that tract of land described as Tract 4 in deed to the Harrington Corporation, as recorded in Volume 90005, Page 4008, D.R.D.C.T, at the intersection of said new north right-of-way line and said old north right-of-way 11ne;

THENCE South 88 degrees 49 minutes 02 seconds West, departing said new north right-of-way line and along said old north right-of-way line, a distance of 296.94 feet to the southernmost southwest corner of said Tract 5;

THENCE South 89 degrees 03 minutes 55 seconds West, continuing along said old north right-of-way line, a distance of 1,222.74 feet to a point for corner;

THENCE South 00 degrees 36 minutes 05 seconds East, continuing along said old north right-of way line, a distance of 29.99 feet to a point for the southwest corner of Lot 1, Block A, of the United Addition, an addition to the City of Irving, as recorded in Volume 81113, Page 0305, D.R.D.C.T.;

THENCE North 89 degrees 55 minutes 08 seconds West, along said old north right-of-way line, a distance of 144.87 feet to a point or corner.

THENCE South 89 degrees 44 minutes 33 seconds West, continuing along said old north right-of-way line, a distance of 208.81 feet to a point for corner;

THENCE North 89 degrees 55 minutes 08 seconds West, continuing along said old north right-of-way line, a distance of 617.13 feet to a point for corner;

THENCE North 89 degrees 51 minutes 19 seconds West, continuing along said old north right-of way line, a distance of 543.80 feet to the POINT 0BSGINNING AND CONTAINING 74,820 square feet or 1.718 acres of land, more or less.

Tract 2:

COMMENCING at a point for the southwest corner of that tract of land described as Tract 4 in deed to the Harrington Corporation, as recorded in Volume 90005, Page 4008, D,R.D.C.T., on the old north right-of-way line of Hunter Ferrell Road (a variable width right-of-way);

THENCE North 88 degrees 49 minutes 12 seconds East, along said old north right-of.-way line, a distance of 680.57 feet to the POINT OF BEGINNING, being on the new north right-of-way 11ne of Hunter Ferrell Road (a variable width right-of-way, 120 feet at this point) and on a non-tangent circular curve to the left, having a radius of 134000 feet, whose chord bears North 58 degrees 35 minutes 18 seconds East, a distance of 1,236.24 feet;

THENCE Northeasterly, departing said old north right-of-way, along said new north right-of-way line and along said curve, through a central angle of 54 degrees 56 minutes 24 seconds, an arc length of 1,284.91 feet to a the point of tangency;

THENCE North 31 degrees 07 minutes 06 seconds East, continuing along said new north right-of-way line, a distance of 510.57 feet to a point for corner;

THENCE North 60 degrees 22 minutes 45 seconds west continuing along said new north right of-way line, a distance of 65.03 feet to a point for corner;

THENCE North 31 degrees 07 minutes 06 seconds East continuing along said new north right of-way line, a distance of 149,10 feet to the point of curvature of a circular curve to the right, having a radius of 1,525.00 feet, whose chord bears North 35 degrees 35 minutes 33 seconds East, a distance of 237.93 feet;

THENCE Northeasterly, continuing along said new north right-of-way line and along said curve, through a central angle of 08 degrees 56 minutes 54 seconds, an arc length of 238.17 feet to a point for corner on the old west right-of-way line of Hunter Ferrell Road:

THENCE South 00 degrees 16 minutes 12 seconds East, departing said new north right of-way line and said curve, and along said old west right-of-way line, a distance of 1,357.03 feet to a point for the northernmost corner of a corner clip between said old west right-of-way line and said old north right-of-way' line;

THENCE South 44 degrees 23 minutes 52 seconds West, continuing along said corner clip, a distance of 71.12 feet to a point for the southernmost corner of said corner clip on said old north right-of-way line;

THENCE South 88 degrees 57 minutes 39 seconds West, continuing along said old north right-of-way line, a distance of 1.105.65 feet to a point for corner;

THENCE South 88 degrees 49 minutes 12 seconds West, continuing along said old north right of-way line, a distance of 329.18 feet to the POINT OF BEGINNING AND CONTAINING 638,822 square feet or 14.667 acres of land, more or less; TRACTS 1 & 2 CONTAINING IN ALL 713,642 square feet or 16.38 acres of land, more or less.

Basis of bearing is NAD 83 (1993) Texas Coordinate System, Texas North Central Zone (4202}, based upon Western Data Systems Dallas/Fort Worth area RTK Cooperative Network using base stations DMLN, DTNA, and DUNP.

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SECTION 2

PARCEL 2 FIELD NOTES DESCRIBING A PORTION OF HUNTER FERRELL ROAD FROM DALLAS COUNTY TO THE CITY OF GRAND PRAIRIE

Being a tract of land out of the Joseph Mangrum Survey, Abstract No. 861, the Perry Linney Survey, Abstract No. 778, the John C. Read Survey, Abstract No. 1184, and the Israel Jennings Survey, Abstract No. 679, situated in the County of Dallas, Texas, and being that area of land contained between the old north and south right-of-way lines of Hunter Ferrell Road (a variable width right-of-way) and between the existing city limit lines of the City of Irving, Dallas County, Texas, as annexed by Ordinance Number 931, dated August 15, 1963, and recorded in the City Secretary's office of the City of Inning, and the existing City of Grand Prairie, Dallas County, Texas, as annexed by Ordinance Number 1912, dated May 28, 1968, and recorded in City Secretary's office of the City of Grand Prairie, and being more particularly described as follows:

Tract 1

BEGINNING at a point for the southernmost corner of a corner clip between the east right-of-way line of Beltline Road (a variable width right-of-way) and the old south right-of-way line of said
Hunter Ferrell Road;

THENCE North 01 degree 41 minutes 51 seconds West, departing said corner clip and along the prolongation of said east right-of-way line, a distance of 25.84 feet to a point for corner;

THENCE North 04 degrees 40 minutes 52 seconds West, continuing along said prolongated east right-of-way line, a distance of 64.21 feet to a point for corner at the intersection of said prolongated east right-of-way line and the prolongated old north right-of-way line of said Hunter Ferrell Road;

THENCE South 89 degrees 51 minutes 19 seconds East, departing said prolongated east right of-way line and along said prolongated north right-of way line, pass at a distance of 39.36 feet a point for the southwest corner of Lot 1, Block A of the Arkansas Freightways Addition, an addition to the City of Irving, as recorded in Volume 92230, Page 3720, of the Deed Records of Dallas County, Texas, and continue along the old north right-of-way line of said Hunter Ferrell Road, in all, a distance of 543.80 feet to a point for corner;

THENCE South 89 degrees 55 minutes 08 seconds East, continuing along said old north right-of-way line, a distance of 617.13 feet to a point for corner;

THENCE North 89 degrees 44 minutes 33 seconds East, continuing along said old north right-ofway line, a distance of 208.81 feet to a point for corner;

THENCE South 89 degrees 55 minutes 08 seconds East, continuing along said old north rightof-way line, a distance of 144.87 feet to apoint for corner;

THENCE North 00 degrees 36 minutes 05 seconds West, continuing along said old north right-of-way line a distance of 29.99 feet to a point for corner;

THENCE North 89 degrees 03 minutes 55 seconds East, continuing along said old north right-of way line, a distance of 1,222.74 feet to the southeast corner of Lot 1, Block A of the United Addition, as recorded in Volume 81113, Page 305 and in Volume 93243, Page 6434 D.R.O.C.T., and being the most southerly southwest corner of that tract of land described in deed to Harrington Corporation, Tract 5, as recorded in Volume 90005, Page 4008, D.R.D.C.T.;

THENCE North 88 degrees 49 minutes 02 seconds East, continuing along said old north right-of
way line, a distance of 296.94 feet to a point for the southeast *corner* of said Tract 5 and being the southwest corner of Tract 4 of said Harrington Corporation deed;

THENCE North 88 degrees 49 minutes 12 seconds East, continuing along said old north right-of way line, a distance of 1,009.75 feet to a point for the southeast corner of said Tract 4 and being tile southwest corner of that tract of land described in deed to UP_G_KUK. Inc., as recorded in County Clerk No.200503579476, D.R.D.C.T.;

THENCE North 88 degrees 57 minutes 39 seconds East. continuing along said old nortl1 right-of way line, a distance of 1,105.65 *feet* to a point for the southernmost corner of a corner clip at the intersection of said old north right-of-way line and the old west right-of-way line of said Hunter Ferrell Road;

THENCE North 44 degrees 23 minutes 52 seconds East, departing said old north right-of-way line and along said corner clip, a distance of 71.12 feet to a point for the northernmost comer of said corner clip on said old west right-of-way line;

THENCE North 00 degrees 16 minutes 12 seconds West, continuing along said west right-of-way line, a distance of 1,357.03 feet to a point for corner on the new north right-of-way line of said Hunter Ferrell Road (a variable width right-of-way, 2.50 feet at this point), said iron rod being on a circular curve to the right having a radius of 1,525.00 feet, whose chord bears North 42 degrees 01 minute 16 seconds East.a distance of 104.03 feet;

THENCE Northeasterly, departing said old west right-of-way line and along said new north right of-way line and said curve, through a central angle of 03 degrees 54 minutes 33 seconds, an arc length of 104.05 feet to a point for corner on the old east right-of-way line of said Hunter Ferrell Road;

THENCE South 00 degrees 16 minutes 12 seconds East, departing said new north right-of-way line and said curve, and along said old east right-of-way line, a distance of 1,523.18 feet to a point for corner at the intersection of said old east right-of-way line and the old south right-of-way line of said Hunter Ferrell Road;

THENCE South 89 degrees 03 minutes 55 seconds West, departing said old east right-of-way line and along said old south right-of-way line, a distance of 30.00 feet to a point for corner;

THENCE South 88 degrees 22 minutes 05 seconds West, continuing along said old south right of-way line, a distance of 2,701.44 feet to a point for the northwest corner of that tract of land described in deed to Fred D. Knox, L.P., as recorded in Volume 2004052, Page 2667, D.R.D.C.T., and the northeast corner that tract of land described in deed to Grand Prairie Sports Facilities Development Corporation, as recorded Volume 95211, Page 3830, D.R.D.C.T.;

THENCE South 88 degrees 22 minutes 05 seconds West, continuing along said old south rightof-way line, a distance of 22.50 feet to a point for corner;

THENCE South 89 degrees 58 minutes 14 seconds West, continuing along said old south right of-way line, a distance of 1,833.74 feet to a point for corner,

THENCE South 00 degrees 20 minutes 44 seconds East, continuing along said old south right-ofway line, a distance of 19.16 feet to a point for corner;

THENCE North 89 degrees 56 minutes 00 seconds West, continuing along said old south right-of-way line, a distance of 492.86 feet to a point for corner;

THENCE South 00 degrees 20 minutes 44 seconds east. continuing along said old south right-ofway line, a distance of 24.19 feet to a point for corner;

THENCE North 89 degrees 58 minutes 05 seconds West. continuing along said old south right of-way line, a distance of 156.40 feet to a point for the northernmost corner of the corner clip between said old south right-of-way line and said old east right-of-way line of Belt Line Road;

THENCE South 47 degrees 01 minute 08 seconds West, a distance of 37.39 feet to the POINT OF BEGINNING AND CONTAINING 354,472 square feet or 8.138 acres, more or less.

Tract 2:

COMMENCING at a point for the northernmost corner of the corner clip between the old east right-of-way line of Hunter Ferrell Road (a variable width right-of-way) and the old south right-of way line of said Hunter Ferrell Road;

THENCE North 89 degrees 12 minutes 27 seconds East, along said old south right-of-way line, a distance of 477.02 feet to the POINT OF BEGINNING on the north right-of-way line of said Hunter Ferrell Road and being on a circular curve to the right, having a radius of 1,525.00 feet, whose chord bears North 68 degrees 52 minutes 53 seconds East. a distance of 48.71 feet;

THENCE Northeasterly, departing said old south right-of-way line, along said north right-of-way line and said curve, through a central angle of 01 degree 49 minutes 49 seconds, an arc length of 48.71 feet to a point for corner;

THENCE South 20 degrees 12 minutes 12 seconds East, departing said curve and continuing along said north right-of-way line. a distance of 17.94 feet to a point for corner on said old north right-of-way line;

THENCE South 89 degrees 12 minutes 27 seconds West, departing said north right-of-way line and along said old south right-of-way line, a distance of 51.64 feet to the POINT OF BEGJNNING AND CONTAINING 443 square feet or 0.0102 acres, more or less; TRACTS 1 & 2 CONTAINING IN ALL 354,915 square feet or 8.148 acres of land, more or less

Basis of bearing is NAD 83 (1993) Texas Coordinate System, Texas North Central Zone (4202), based upon Western Data Systems Dallas/Fort Worth area RTK Cooperative Network using base stations DMLN, DTNA. and DUNP.

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SECTION 3

PARCEL 3 FIELD NOTES DESCRIBING A PORTION OF HUNTER FERRELL ROAD FROM THE CITY OF GRAND PRAIRIE TO THE CITY OF IRVING

BEING a tract of land out of the Israel Jennings Survey, Abstract No. 679, situated in Dallas County, Texas, and being a portion of the City of Grand Prairie, as described in Ordinance Number 1912, dated May 28, 1968, and recorded in City Secretary's office of the City of Grand Prairie, and being more particularly described by metes and bounds as follows:

Tract 1:

BEGINNING at a point for the northernmost corner of the corner clip between the old east right-of-way line of Hunter Ferrell Road (a variable width right-of-way) and the old south right-of-way line of said Hunter Ferrell Road;

THENCE North 89 degrees 12 minutes 27 seconds East, departing said corner clip and along said old south right-of-way line, a distance of 477.02 feet to a point for corner on the new north right-of-way line of said Hunter Ferrell Road (a variable width right-of-way, 250 feet at this point), said point being on a non-tangent circular curve to the left, having a radius of 1,525.00 feet, whose chord bears South 55 degrees 58 minutes 16 seconds Wes, a distance of 633.89 feet;

THENCE Southeasterly, departing said old south right-of-way line and along said new north right-of-way line and said curve to the left, through a central angle of 23 degrees 59 minutes 26 seconds, an arc length of 638.54 feet to a point for corner on said old east right-of-way line;

THENCE North 00 degrees 16 minutes 12 seconds West, departing said new north right-of-way line and said curve, and along said old east right-of-way line, a distance of 305.36 feet to a point for the southernmost corner of said corner clip;

THENCE North 49 degrees 20 minutes 27 seconds East, departing said east right-of-way line and along said corner clip, a distance of 65.65 feet to the POINT OF BEGINNING AND CONTAINING 76,397 square feet or 1.754 acres or land, more or less.

Tract 2:

COMMENCING at a point for the northernmost corner of the corner clip between the old east tight-of-way line of Hunter Ferrell Road (a variable width right-of-way) and the old south right-of-way line of said Hunter Ferrell Road;

THENCE North 89 degrees 12 minutes 27 seconds East, departing said corner clip and along said old south right-of-way line, a distance of 528.66 feet to the POINT OF BEGINNING, said iron rod being on the new north right-of-way line of said Hunter Ferrell road (a variable width right-of-way);

THENCE North 89 degrees 12 minutes 27 seconds East, departing said new north right-of-way line and continuing along said old south right-of-way line, a distance of 574.91 feet to a point for corner;

THENCE North 89 degrees 16 minutes 24 seconds East, continuing along said old south right-of-way line, a distance of 1,497.14 feet to a point for corner;

THENCE North 89 degrees 16 minutes 29 seconds East, continuing along said old south right-of-way line, a distance of 1,493.06 feet to a point for corner;

THENCE South 82 degrees 32 minutes 34 seconds East, continuing along said old south right-of-way line, a distance of 540.27 feet to a 1/2-inch set iron rod with yellow plastic cap stamped HALFF ASSOC. INC. (hereinafter referred to as with cap) for corner on a non-tangent circular curve to the left, having a radius of 1,583.95 feet, whose chord bears South 85 degrees 32 minutes 22 seconds West, a distance of 56.70 feet, said corner being on the new south right-of-way line of said Hunter Ferrell Road;

THENCE Southwesterly, along said new south right-of-way line and along said curve, through a central angle of 02 degrees 03 minutes 04 seconds, an arc length of 56.70 feet to a 1/2-inch set iron rod with cap for tl1e point of a reverse circular curve to the right, having a radius of 1,713.95 feet, whose chord bears South 86 degrees 53 minutes 37 seconds West a distance of 142.37 feet;

THENCE Southwesterly, continuing along said new south right-of-way line and along said curve, through a central angle of 04 degrees 45 minutes 39 seconds, an arc .length of 142.41 feet to a 1/2-inch set iron rod with for corner;

THENCE South 89 degrees 16 minutes 29 seconds West, departing said curve and continuing along said new south right-of-way line, a distance of 3,398.52 feet to a 1/2-inch set iron rod with cap for the point of curvature of a circular curve to the left, having a radius of 1,335.00 feet, whose chord bears South 79 degrees 32 minutes 07 seconds West, a distance of 451.68 feet;

THENCE Southwesterly, continuing along said new south right-of-way line and along said curve, through a central angle of 19 degrees 28 minutes 44 seconds, an arc length of 453,86 feet to a 1/2-inch set iron rod with cap for corner;

THENCE North 20 degrees 12 minutes 12 seconds West, departing said new south right-of-way line, a distance of 172.05 feet to the POINT OF BEGINNING AND CONTAINING 344,057 square feet or 7.899 acres, more or less; TRACTS 1 & 2 CONTAINING IN ALL 420,454 square feet or 9.653 acres, more or less.

Basis of bearing is NAD 83 (1993) Texas Coordinate System, Texas North Central Zone (4202), based upon Western Data Systems Dallas/Fort Worth area RTK Cooperative Network using base stations DMLN, DTNA, and DUNP.

"This document was prepared under 22TAC 663.21, does not reflect the results of an on the ground survey, and is not to be used to convey or establish interests in real property except those rights and interests implied or established by the creation or reconfiguration of the boundary of the political subdivision for which it was prepared."

SECTION 4

PARCEL 5 FIELD NOTES DESCRIBING A PORTION OF HUNTER FERRELL ROAD AND A PORTION OF MACARTHUR BOULEVARD FROM THE CITY OF GRAND PRAIRIE TO THE CITY OF IRVING

BEING a tract of land situated in the Israel Jennings Survey, Abstract No. 679, in the City of Grand Prairie, Dallas County, Texas, and being part of that certain called 4.6304 acre tract of land described In Right-of-Way Deed to the County of Dallas, as recorded in Document No. 200402711840 in the Official Records of Dallas County, Texas, and being more particularly described by as follows:

BEGINNING at a point for the intersection of the old south right-of-way line of Hunter Ferrell Road and the West right-of-way line of MacArthur Boulevard (formerly known as Meyers Road) and being in the existing City of Grand Prairie city limit line as described in City of Grand Prairie Ordinance No. 1912;

THENCE South 00 degree 30 minutes 16 seconds West, along the said old west right-of-way line of MacArthur Boulevard and said City of Grand Prairie city limit line, a distance of 1,308.91 feet to a point for corner;

THENCE South 00 degrees 35 minutes 58 seconds East .continuing along said old west right-of-way line of MacArthur Boulevard and City of Grand Prairie city limit line, a distance of 1,305.88 feet to a point for corner:

THENCE South 80 degrees 50 minutes 04 seconds West, departing said old west right-of-way line of MacArthur Boulevard and City of Grand Prairie city limit line, a distance if 17.01 feet for a point on the new west right-of-way line of MacArthur Boulevard and being on a circular curve to the left, not being tangent to the preceding course, having a radius of

5,674.58 feet, whose chord bears North 06 degrees 33 minutes 48 seconds West, a distance of 155.52 feet;

THENCE Northerly, along said new west right-of-way line of MacArthur Boulevard and said curve to the left, through a central angle of 01 degrees 34 minutes 13 seconds, an arc length of 155.53 feet to the point of reverse curvature of a circular curve to the right, having a radius of 5,784.58 feet, whose chord bears North 03 degrees 26 minutes 55 seconds West, a distance of 786.83 feet;

THENCE Northerly, continuing along said new west right of way line of MacArthur Boulevard and said reverse curve to the right, through a central angle of 07 degrees 47 minutes 58 seconds, an arc length of 787.44 feet to a point for corner;

THENCE South 89 degrees 54 minutes 20 seconds West, departing said new west right of way line, a distance of 58.98 feet to a 1/2-inch set iron rod with aluminum disk stamped "CITY LIMIT LINE" for corner;

THENCE North 00 degrees 05 minutes 40 seconds West, a distance of 651.00 feet to a 1/2-inch set iron rod with aluminum disk stamped "CITY LIMIT LINE" for corner;

THENCE North 89 degrees 54 minutes 20 seconds East, a distance of 85.97 feet to a point for comer on said new west right of way line;

THENCE North 02 degrees 39 minutes 26 seconds East, along said new west right-of-way of MacArthur Boulevard, a distance of 838.05 feet to a point for the intersection of said new west right-of-way of MacArthur Boulevard with the new south right-of-way line of said Hunter Ferrell Road;

THENCE North 07 degrees 01 minute 38 seconds West, along said new south right-of-way line of Hunter Ferrell Road, a distance of 41.36 feet to a point for corner;

THENCE North 30 degrees 26 minutes 36 seconds West, continuing along said new south right-of-way line of Hunter Ferrell Road, a distance of 26.96 feet to a point for corner;

THENCE North 58 degrees 29 minutes 09 seconds West, continuing along said new south right-of-way line of Hunter Ferrell Road, a distance of 27.02 feet to a point for corner;

THENCE North 81 degrees 56 minutes 09 seconds West, continuing along said new south right-of-way line of Hunter Ferrell Road, a distance of 55.15 feet to a point for corner;

THENCE South 88 degrees 46 minutes 36 seconds West, continuing along said new south right-of-way line of Hunter Ferrell Road, a distance of 237.32 feet to a point for corner;

THENCE Nortl1 01 degree 13 minutes 24 seconds West, over and across said Hunter Ferrell Road, a distance of 103.88 feet to a point for corner on the old sout11right of way line of said Hunter Ferrell Road;

THENCE North 89 degrees 17 minutes 30 seconds East, continuing along said old south right of way line, a distance of 350.86 feet to the POINT OF BEGINNING containing 4.5686 acres of land more or less.

"This document was prepared under 22TAC 663.21, does not reflect the results of an on the ground survey, and is not to be used to convey or establish interests in real property except those rights and interests implied or established by the creation or reconfiguration of the boundary of the political subdivision for which it was prepared."

SECTION 5

That the above described territory is shown on the attached map marked Exhibit "A", which map is expressly incorporated herein for the purpose of illustrating and depicting the location of the above-described property.

SECTION 6

The this ordinance shall and does amend every prior ordinance in conflict herewith, but as to all other ordinances or section of ordinances not in direct conflict, this ordinance shall be, and the same is hereby made cumulative.

SECTION 7

That it is hereby declared to be the intent of the City Council that the sections, paragraphs, sentences, clauses, and phrases of this ordinance are severable, and if any phrase, clause, sentence, paragraph, or section of this ordinance shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this ordinance, since the same would have been enacted by the City Council without the incorporation in this ordinance of any unconstitutional phrase, clause, sentence, paragraph, or section.

SECTION 8

That this ordinance shall be in full force and effect from and after the date of its passage by the City Council, and it is so ordained.

FIRST READING APPROVED BY THE CITY COUNCIL OF THE CITY OF GRAND PRAIRIE, TEXAS, ON THIS THE 13TH DAY OF OCTOBER, 2015.

APPROVED:

Ron Jensen, Mayor

ATTEST:

City Secretary

APPROVED AS TO FORM:

City Attorney

SECONDED READING APPROVED BY THE CITY COUNCIL OF THE CITY OF GRAND PRAIRIE, TEXAS, ON THIS THE 3RD DAY OF NOVEMBER, 2015.

APPROVED:

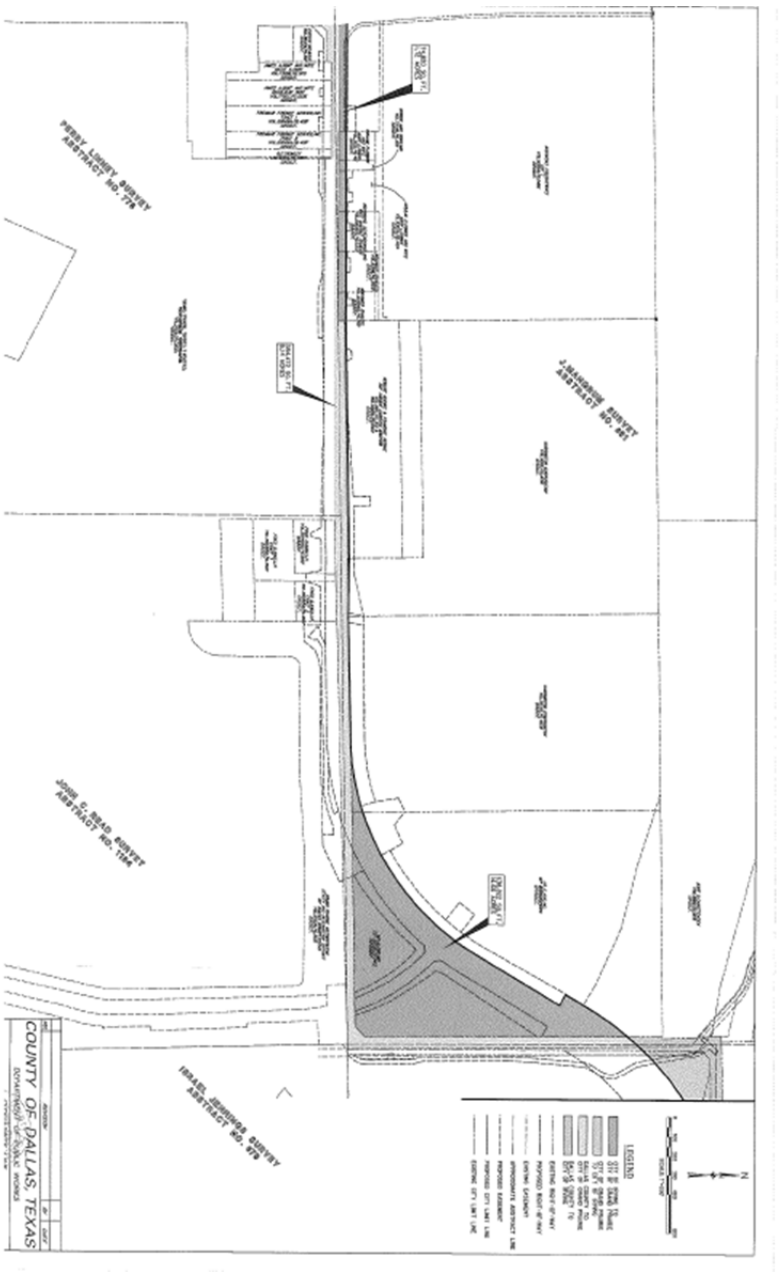
Ron Jensen, Mayor

ATTEST:

City Secretary

APPROVED AS TO FORM:

City Attorney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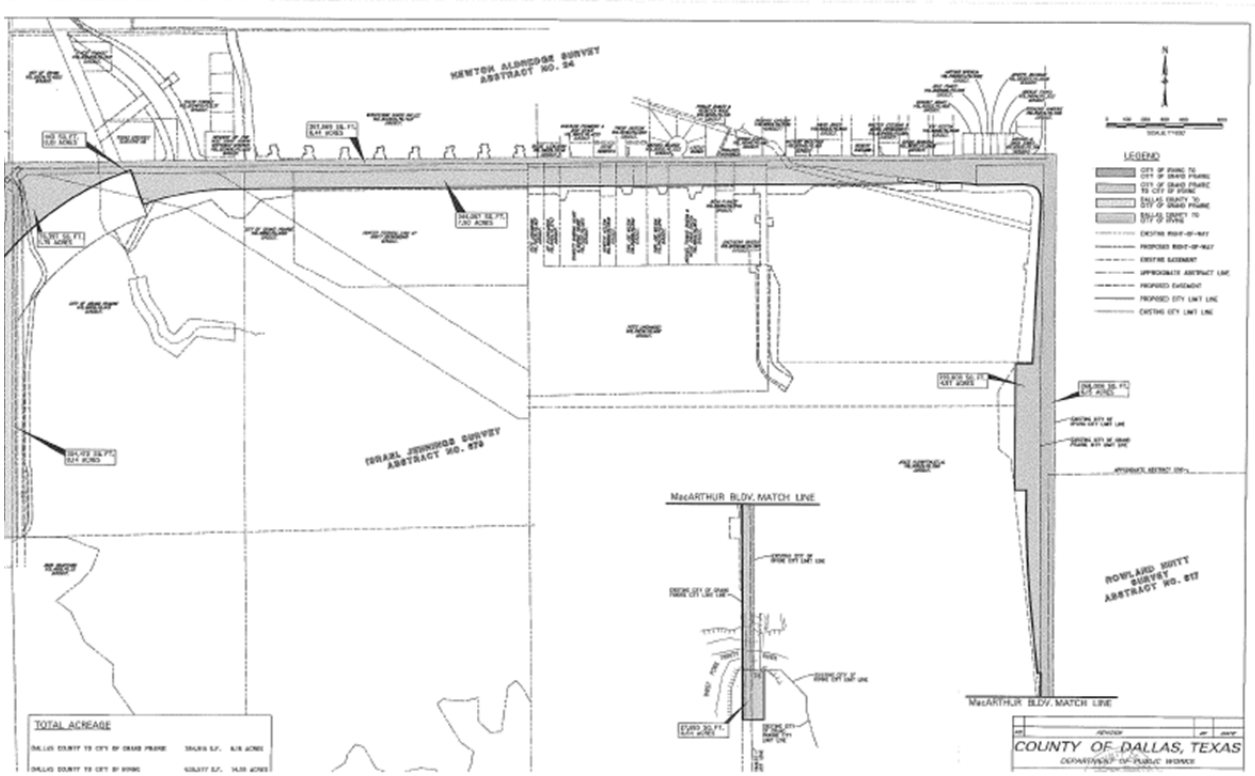
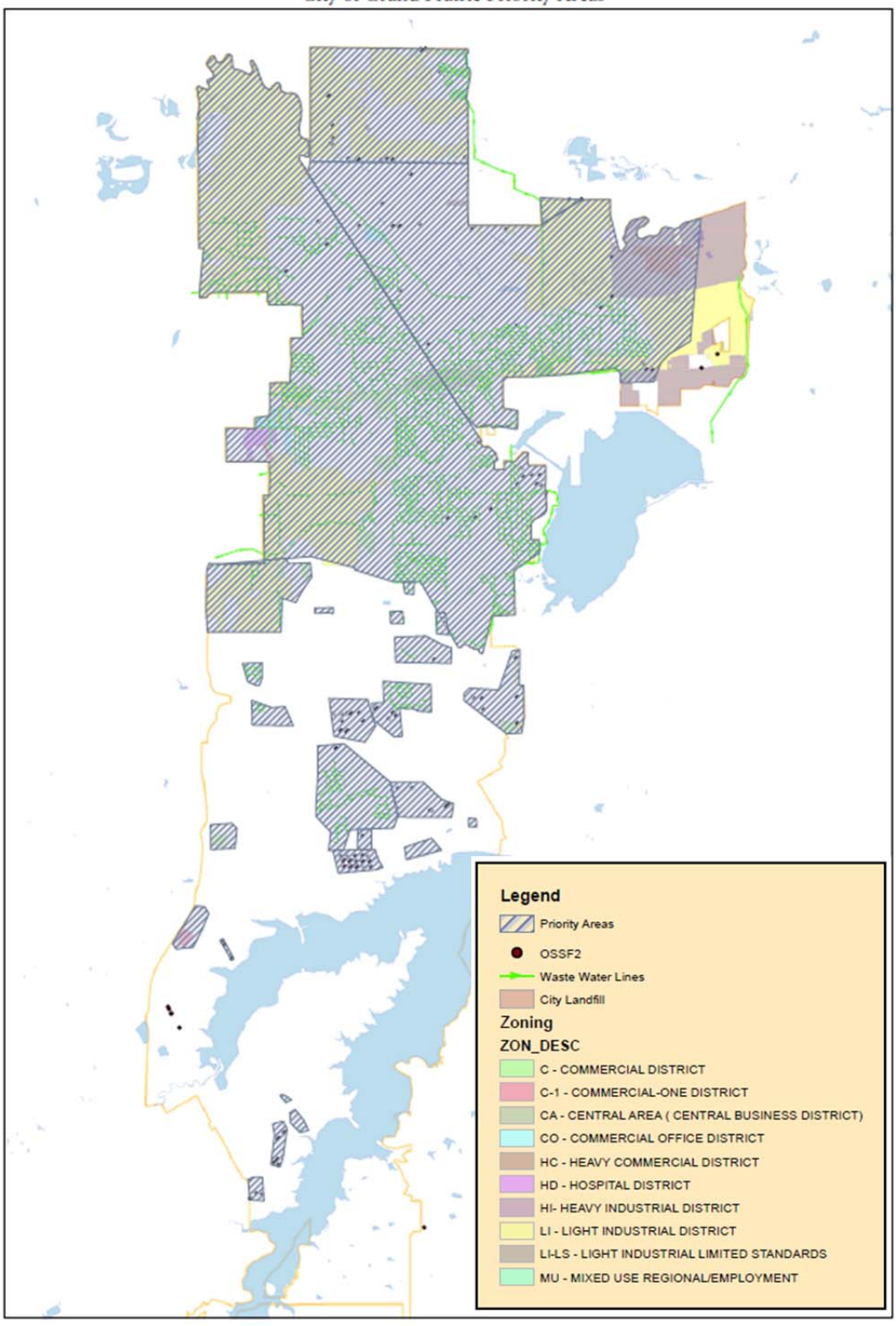
ABSTRACT NO. 779
J. MENDOSA SURVEY
ABSTRACT NO. 841
JOHN C. READ SURVEY
ABSTRACT NO. 1144
ISRAEL JENNINGS SURVEY
ABSTRACT NO. 979
LEGEND
EXISTING RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY
EXISTING EASEMENT
PROPOSED EASEMENT
PROPOSED CITY LIMIT LINE
EXISTING CITY LIMIT LINE
N
COUNTY OF DALLAS, TEXAS


HEWTON ALDRIDGE SURVEY
ABSTRACT NO. 24
ISRAEL JENNINGS SURVEY
ABSTRACT NO. 679
ROWLAND WITT
SURVEY
ABSTRACT NO. 857
MacARTHUR BLVD. MATCH LINE
MacARTHUR BLVD. MATCH LINE
LEGEND
TOTAL ACREAGE
COUNTY OF DALLAS, TEXAS
DEPARTMENT OF PUBLIC WORKS

APPENDIX C: Priority Areas

City of Grand Prairie Priority Areas



APPENDIX D: Monthly Stream Summary

2015 Stream Sampling Results

Site	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E. Coli
12	1/20/2015	2	9.87	7.22	3	4.56	0.13	46
18	1/20/2015	21	20.3	7.59	14	7.16	0.08	3
22	1/20/2015	9	7.87	7.55	5.1	5.61	0.06	372
23	1/20/2015	18	16.8	7.66	7.4	6.38	0.06	122
9	1/20/2015	20	9.24	7.57	29	7.6	0.11	435
24	1/20/2015	12	11.1	7.53	3.7	5.28	0.19	1
25	1/20/2015	17	14	7.44	5.2	7.76	0.07	30
8	1/20/2015	21	20.8	7.52	4.6	6.74	0.04	58
7	1/20/2015	10	10	7.53	3.5	7.02	0.08	63
6	1/20/2015	15	15	7.35		7.27	0.1	23
3	1/20/2015	15	10.9	7.47	6.8	7.03	0.08	22
11	1/20/2015	10	11.1	8.03	6.5	5.16	0.05	1300
5	1/20/2015	11	13	8.01	4.9	5.86	0.04	12
26	1/21/2015	6	8.9	6.38	2.2	16.33	0.05	37
30	1/21/2015	13	14.5	7.13	19	16.59		279
29	1/21/2015	13	10.4	7.07	1.86	19.54		16
15	1/21/2015	13	14.4	7.41	16.2	11.75		24
27	1/21/2015	7	8.8	6.48	0.6	13.66	0.29	33
20	1/21/2015	14	14.8	7.19	14.5	19.54		3
17	1/21/2015	15	15.2	7.41	20.1	15.76		14
19	1/21/2015		16.9	7.24	7.5	12.78	1.32	1300
28	1/21/2015	7	9.2	6.73	2.3	13.72	0.84	281
8	2/24/2015	2	8.84	6.59	14.3	9.62	0.01	1159
15	2/24/2015	2	5.94	6.32	21.6	10.98		1633
27	2/24/2015	2	7.15	6.06	13.5	11.09	0	323

2015 Stream Sampling Results

Site	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E. Coli
26	2/24/2015	1	4.84	5.93	25.9	10.87	0.01	1034
25	2/24/2015	0	4.76	5.97	50.5	10.76	0.06	4839
19	2/24/2015	2	9.01	6.72	19.9	10.74	0.06	99
9	2/24/2015	1	10.3	5.94	19.3	11.63	0.04	1540
11	2/24/2015	2	6.87	6.49	61.8	10.98	0.1	403
22	2/25/2015	8	10.2	7.17	44.3	10.32	0.05	2407
31	2/25/2015	1	5.6	6.7	58.9	9.36	0.01	3106
30	2/25/2015	1	3.99	6.94	554	10.93	0.01	4839
29	2/25/2015	2	5.12	7	73.1	11.63	0.01	1373
28	2/25/2015	2	4.69	7.47	217	10.88	0.03	4849
18	2/25/2015		7.13	7.2	108.7	11.43	0.15	0
17	2/25/2015	4	7.71	7.14		10.84	0.04	3106
12	2/25/2015	1	3.37	8.02	112	11.53	0.05	4839
20	2/25/2015	2	4.63	7.4	85.7	11.41	0.01	2407
6	2/26/2015	1	8.57	7.16	138	9.94	0.04	1842
5	2/26/2015	1	5.62	7.45	27.5	10.39	0.1	1373
3	2/26/2015	1	7	7.35	148	10.89	0.01	2407
23	2/26/2015	1	6.25	7.39	122	11.17	0.02	3466
7	2/26/2015	7	5.81	7.2	9.02	11.56	0.06	2827
24	2/26/2015	1	7.16	7.26	44	10.2	0.3	143
11	3/17/2015	26	19	7.94	70	8.5	0.17	39
26	3/17/2015	20	17	7.8	2.88	9.43	0.04	66
15	3/17/2015	25	22	7.75	33	6.76	0.47	56
27	3/17/2015	20	17	7.91	1.84	9.52	0	154
12	3/17/2015	26	19	7.93	10	8.96	0.27	224

2015 Stream Sampling Results

Site	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E. Coli
28	3/17/2015	20	17	7.83	3.29	8.87	0.04	145
9	3/17/2015	18	17	8.2	21.8	8.5	0.08	86
29	3/17/2015	23	18	7.97	15	8.62	0.03	33
31	3/17/2015	21	18	7.96	10.11	7.74	0.46	20
25	3/17/2015	19	18	7.93	3.62	10.18	0.01	42
22	3/17/2015	28	21	7.84	3.7	16.35	0.01	1095
20	3/17/2015	23	20	8.27	16	9.5	0.08	8
17	3/17/2015	23	12	8.27	10	9.1	0.1	22
8	3/17/2015	27	21	8	15	8.13	0.35	56
30	3/17/2015	22	20	8	28	8.1	0.01	64
24	3/18/2015	14	17	7.87	6.12	8.15	0.19	54
23	3/18/2015	15	18	8.03	8.32	8.86	0.04	22
19	3/18/2015	17	16	8	28.9	9.69	0.14	2240
18	3/18/2015	17	15	8.25	24.5	9.83	0.14	53
6	3/18/2015	15	19	7.8	14.3	9	0.24	71
5	3/18/2015	14	17	7.85	2.8	5.81	0.14	60
3	3/18/2015	15	17	7.93	12.1	9.01	0.17	60
7	3/18/2015	14	17	7.69	6.8	8.12	0.2	62
5	4/21/2015	18	16.97	8.04	6.9	6.02	0.05	197
9	4/21/2015	17	17.3	7.81	19.1	7.53	0.03	690
11	4/21/2015	20	18.18	7.87	6.95	5.93		197
19	4/21/2015	21	20.89	7.95	26.8	8.24	0.02	279
22	4/21/2015	20	20	7.71	4.02	6.86	0.02	297
23	4/21/2015	18	18.04	8.04	17.7	8.38	0.07	186
18	4/21/2015	21	21.36	8.01	25.8	9.5	0.03	210

2015 Stream Sampling Results

Site	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E. Coli
17	4/21/2015	23	19.62		17.4	9.89	0.04	60
15	4/21/2015	23	21.88	7.69	206	2.08	0.46	4839
12	4/21/2015	17	17.12	7.74	5.06	5.85	0.01	374
8	4/21/2015	20	19.1	7.86	11.5	5.93	0.1	234
6	4/21/2015	18	20.01	7.84	24.1	8.04	0.03	279
3	4/21/2015	18	18.46	8.05	20.5	8.35	0.11	209
24	4/21/2015	18	18.27	7.8	6.53	6.95	0.12	64
25	4/21/2015	17	18.42	7.67	4.2	5.13	0.16	102
26	4/21/2015	17	17	7.91	2.96	8.76	0.02	224
27	4/21/2015	18	17.58	7.72	0.9	8.41	0.07	498
7	4/21/2015	18	17.6	8.03	3.74	8.72	0.07	381
28	4/22/2015	18	17.83	7.69	4.34	8.04	0.05	456
29	4/22/2015	22	17.78	7.98	10.22	8	0.08	135
31	4/22/2015	20	18.27	7.91	40.6	7.42	0.4	123
20	4/22/2015	22	21.63	8.21	16.3	8.33	0.18	97
30	4/22/2015	21	19.83	7.93	48.8	7.82	0.06	615
8	5/26/2015	21	21.15	7.42	18	7.19	0.12	870
26	5/26/2015	23	19.84	7.39	19	8.53	0.02	4839
6	5/26/2015	20	21.72	7.53	173	7.72	0.32	4839
19	5/26/2015	22	22.22	7.52	33.1	6.49	0.16	1454
23	5/26/2015	22	18.55	7.62	173	8.25	0.28	4839
5	5/26/2015	18	20.44	7.51	40.9	8.68	0.1	3106
3	5/26/2015	21	18.59	7.43	112	8.09	0.01	4839
7	5/26/2015	18	19.63	7.45	13.8	8.7	0.07	4839
22	5/26/2015	18	20.03	7.21	10.22	7.2	0.08	1540

2015 Stream Sampling Results

Site	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E. Coli
9	5/26/2015	21	20.2	7.49	47.5	8.47	0.06	4839
11	5/26/2015	18	20.43	7.33	63.2	8.34	0.14	1842
12	5/26/2015	22	20.1	7.51	60	8.35	0.24	9678
18	5/26/2015	21	22.09	7.5	35	8.32	0.11	263
24	5/26/2015	20	20.52	7.44	58.8	8.17	0.36	4839
25	5/26/2015	23	19.95	7.51	38.5	8.68	0.02	4839
20	5/27/2015	20	20.03	7.47	174	7.37	0.03	4185
28	5/27/2015	18	19.69	7.12	101	8.46	0.03	9678
15	5/27/2015	22	19.96	7.41	300	7.2	0.03	9678
17	5/27/2015	24	21.88	7.39	220	7.91	0.28	9678
27	5/27/2015	18	19.38	6.96	37.1	8.34	0.19	6932
29	5/27/2015	22	19.39	7.3	429	8.62	0	1230
24	6/23/2015	30	29.7	8.14	4.54	7.53	0.02	24
23	6/23/2015	32	31.1	8.09	9.29	8.23	0.04	65
7	6/23/2015	30	26.8	7.62	3.92	5.05	0.06	83
26	6/23/2015	26	25.52	7.92	9.74	8.13	0.02	293
6	6/23/2015	31	28.7	8.12	116	7.1	0.21	112
5	6/23/2015	30	31.2	8.6	2.2	13.03	0.02	52
9	6/23/2015	26	26.8	7.85	7.4	7.61	0.04	398
25	6/23/2015	25	27.05	7.74	2.6	7.45	0.03	128
22	6/23/2015	27	25.7	7.6	5.02	5.82	0.02	496
3	6/23/2015	32	31.5	8.26	25.9	8.85	0.02	202
27	6/24/2015	25	27	7.84	2.48	6.11	0.3	523
8	6/24/2015	33	31	8.11	9.41	6.31	0	77
30	6/24/2015	28	29.2	8.19	20.1	7.34	0	8

2015 Stream Sampling Results

Site	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E. Coli
11	6/24/2015	33	29.3	8.05	6.55	6.46	0.13	240
29	6/24/2015	31	26.6	8.06	16	7.48	0.06	40
31	6/24/2015	28	26.6	8.02	7.03	6.27	0.19	17
28	6/24/2015	25	26.2	7.79	2.99	6.07	2.84	397.3
12	6/24/2015	31	27.4	7.75	5	6	0.06	449
15	6/24/2015	31	31.4	7.93	10.19	7.26	0.61	156
20	6/24/2015	29	30	7.9	17.6	5.49	0.03	27
19	6/24/2015	33	32.5	8.68	10.26	8.68	0.08	14
18	6/24/2015	33	31.9	8.62	11.5	8	0.01	29
17	6/24/2015	31	27.4	7.91	17.8	7.29	0.05	10
19	7/20/2015	38	32.6	8.34	40.3	7.84	0.06	40
17	7/20/2015	36	29.9	8.01	7.17	7.62	0.19	2
20	7/20/2015	35	30.9	7.62	4.31	3.78	0.06	2
22	7/20/2015	30	26.83	7.51	11.7	1.93	0.11	187
30	7/20/2015	34	29.46	7.75	12.9	5.72	0.06	24
28	7/20/2015	33	28.6	7.88	5.64	6.9	0.08	81
29	7/20/2015	34	30.5	7.83	10.69	6.29	0.13	187
15	7/20/2015	36	32.7	7.74	8.32	5.89	0.07	19
12	7/21/2015	37	30.6	7.51	4.64	6.59	0.02	300
5	7/21/2015	29	29.2	8.05	10.33	5.81	0.08	62
6	7/21/2015	30	29.5	8	23.3	6.98	0	40
7	7/21/2015	28	26.4	8.14	6.8	6.69	0.08	4839
8	7/21/2015	37	31.9	7.59	4.46	5.84	0.08	731
11	7/21/2015	37	29.9	7.79	3.24	5.71	0.16	94
3	7/21/2015	30	29	8	16.2	6.85	0.03	84

2015 Stream Sampling Results

Site	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E. Coli
18	7/21/2015	30	30.7	8.3		7.62	0.03	4
24	7/21/2015	29	28.8	7.7	4.44	5.38	0.04	0
23	7/21/2015	30	29.6	7.98	10.22	6.4	0.01	54
9	7/21/2015	31	28.8	7.57	6.85	5.61	0.06	523
28	8/18/2015	31	29.4	7.93	7.57	8.14	0.03	20
20	8/18/2015	34	33.1	7.78	5.55	4.8	0.01	8
17	8/18/2015	36	33	8.04	6.51	7.93	0.25	65
22	8/18/2015	37	30.8	7.54	5.95	4.38	0.02	1226
15	8/18/2015	36	32	7.72	9.4	5.58	0.01	2
12	8/18/2015	38	30.5	7.58	3.08	7.44	0	24
5	8/19/2015	29	28.5	7.84	4.02	6.49	0	35
19	8/19/2015	34	31.3	8.16	50.1	7.51	0.01	24
3	8/19/2015	30	29.3	7.86	16.2	7.17	0.1	30
6	8/19/2015	28	28.9	7.74	15.1	6.63	0.2	29
7	8/19/2015	29	26.5	7.47	7.21	4.88	0.02	63
11	8/19/2015	28	27.9	7.22	3.97	3.48	0.14	10
18	8/19/2015	34	32	8.07	27.2	7.77	0.07	13
24	8/19/2015	29	29	7.7	4.98	5.66	0.06	63
23	8/19/2015	30	29.8	7.89	12.2	6.39	0.02	19
8	8/19/2015	31	29.2	7.65	5.36	5.36	0	300
15	9/22/2015	32	28.6	7.72	29	3.36	0.08	49
20	9/22/2015	29	28.2	8.23	10	6.35	0.05	4
8	9/22/2015	32	28.6	7.43	3.3	4.79	0.3	90
9	9/22/2015	23	24.7	7.81	4.4	5.78	0.06	59
30	9/22/2015	23	27.7	7.76	36	4.66	0.03	105

2015 Stream Sampling Results

Site	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E. Coli
28	9/22/2015	23	26.1	8.01	6.1	2.53	0.05	209
17	9/22/2015	32	29.3	8.03	21	6.3	0.03	4
11	9/22/2015	32	28.3	7.51	7.9	2.43	0.14	68
12	9/22/2015	32	28.8	7.67	4.1	7.51	0.02	20
22	9/22/2015	23	23.1	7.75	7.3	5.86	0.11	690
23	9/23/2015	27	25.6	8.14	22	6.75	0.05	284
6	9/23/2015	26	26.8	7.75	18	6.72	0.05	88
5	9/23/2015	21	25.4	7.73	9.7	5.87	0.05	51
24	9/23/2015	24	25.3	7.71	6.2	6.56	0.1	56
3	9/23/2015	24	24.9	7.1	22	7.1		66
18	9/23/2015	29	27.4	8.21	50	7.36	0.02	226
19	9/23/2015	29	27	7.97	21	6.57	0.01	4839
11	10/20/2015	23	19.4	7.85	3.69	4.67	0.14	135
19	10/20/2015	25	21.9	8.09	28.2	9.34	0.04	35
18	10/20/2015	25	21.9	8.27	45.7	8.44		4
17	10/20/2015	17	20.2	8.12	20.4	7.22	0.1	2
9	10/20/2015	22	19.4	8.49	20.7	8.09	0.08	106
12	10/20/2015	19	18.39	7.64	3.69	6.77	0.04	137
15	10/20/2015	19	20	7.84	18.9	4.94	0.02	4
28	10/20/2015	13	17.22	7.99	3.32	7.77	0.07	615
27	10/20/2015	13	17.5	7.74	8.24	5.83	0.05	2240
8	10/20/2015	25	21.7	7.73	4.97	5.96	0.09	117
5	10/21/2015	21	20	8.13	8.2	7.78	0.01	24
22	10/21/2015	20	20.2	7.85	5.54	6.53	0.03	4839
6	10/21/2015	21	19.8	7.77	12	7.69	0.11	46

2015 Stream Sampling Results

Site	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E. Coli
3	10/21/2015	21	21.1	8.24	16	8.75	0.05	75
23	10/21/2015	22	20.6	8.15	11.2	8.13	0.04	38
24	10/21/2015	21	20.9	7.97	2.84	7.96	0.18	32
20	11/23/2015	17	13.6	8.44	5.58	10.7	0	24
26	11/23/2015	11	10.9	8.24	1.38	10.87	0.02	65
25	11/23/2015	9	11.84	7.95	1.81	6.22	1.44	182
31	11/23/2015	16	9.9	8.22	4.52	9.68	0.05	27
30	11/23/2015	17	12.3	8.19	7.57	10.02	0.03	24
29	11/23/2015	17	14.4	8.12	2.57	11.28	0	64
27	11/23/2015	12	9.7	7.97	1.66	8.49	0	120
28	11/23/2015	14	12.2	8.09	2.81	9.43	0.02	0
17	11/23/2015	17	17	8.41	8.5	10.46	0.02	8
12	11/23/2015	18	11.8	7.84	3.97	8.72	0.01	0
9	11/23/2015	7	10.7	7.95	521	7.57	0.56	0
8	11/24/2015	16	15.3	7.95	4.37	8.92	0.04	54
19	11/24/2015	17	15.5	8.34	33.7	10.38	0.03	34
24	11/24/2015	11	12.7	7.97	7.56	8.94	0.01	124
23	11/24/2015	14	12.5	7.94	7.58	9.78	0.02	34
22	11/24/2015	8	11.5	7.86	2.75	11.29	0.01	0
6	11/24/2015	13	16.6	7.89	9.39	8.96	0.06	0
3	11/24/2015	13	11.7	8.06	10.4	10.38	0.02	53
7	11/24/2015	10	11.4	8.21	4.53	10.72	0.01	336
15	11/24/2015	15	13.6	7.83	10.14	7.52	0	247
11	11/24/2015	16	13.7	8	3.5	7.76	0.41	154
18	11/24/2015	17	14.8	8.24	21.2	10.51	0.02	43

2015 Stream Sampling Results

Site	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E. Coli
5	11/24/2015	11	11.2	7.45	4.96	9.81	0.03	106
26	12/15/2015	12	13.2	7.78	1.66	9.85	0.01	373
12	12/15/2015	25	15.1	7.69	4.88	7.37	0.04	0
27	12/15/2015	12	12.6	7.64	3.86	9.29	0.02	767
28	12/15/2015	13	13.2	7.75	5.28	9.18	0.06	996
29	12/15/2015	14	15.8	8.04	5.5	10.44	0.01	236
31	12/15/2015	16	14.1	7.89	8.69	9.24	0.09	373
20	12/15/2015	16	15.9	8.27	7.5	9.19	0.08	362
17	12/15/2015	14	15.1	8.28	14.9	10.44	0.01	58
30	12/15/2015	16	14.1	8.13	18.1	10.06	0.02	2318
7	12/16/2015	8	12.4	7.89	2.72	9.64	0.11	3266
6	12/16/2015	8	13.9	7.86	65.5	9.06	0.07	494
18	12/16/2015	10	12.6	8.26	21.5	10.37	0.12	239
19	12/16/2015	10	14.5	8.01	33.3	9.22	0.09	626
5	12/16/2015	8	11.6	7.86	3.52	7.74	0.17	153
22	12/16/2015	12	13.1	7.42	3.61	6.57	0.17	373
23	12/16/2015	8	12.05	7.96	22	9.57	0.05	839
24	12/16/2015	8	12.7	7.78	5.53	7.7	0.22	558
11	12/16/2015	9	12.9	7.54	7.06	5.41	3.27	9678
15	12/16/2015	9	12.2	7.72	15.2	6.87	0.05	558
8	12/16/2015	10	13.4	7.9	117	8.7	0.07	192
3	12/16/2015	8	11.3	8.03	26.2	9.99	0.04	839
25	12/15/2015	12	13.2	7.25	5.39	6.96	0.14	2190