

Town of Smyrna
Storm Water Management Program
Progress Report to the
Storm Water Advisory Committee
October 17, 2016 at 6:00 PM
Smyrna Town Hall /Council Chambers

- I. Discuss the following Storm Water Management (SWM) Program achievements made from: July 1 through September 30, 2016.
- A. One hundred and one certificates of occupancy issued this quarter were assessed for the corresponding SWU fee then reported monthly to CUD and Utilities. In addition, all SWU fee delinquent accounts were also tracked and reported to Utilities.
 - B. Mr. Rose reviewed all grading permits, in tandem with sediment control reviews by the program coordinator, and attended most pre-construction meetings, where he required the submittal of as-built drawings for each and every project as well as all applicable water quantity concerns.
 - C. Received no citizen inquiry about the Storm Water Utility (SWU) user fee.
 - D. Staff completed writing the quarterly report, the Annual Report to TDEC, Storm Water Management Ordinance, and Class V Injection Well application for SWAC review. This satisfies a MS4 permit requirement.
 - E. After canceling the July SWAC meeting, Town of Smyrna staff facilitated a 'specially called' SWAC meeting (August) where the quarterly progress report, Annual Report to TDEC, Storm Water Management Ordinance, the Class V Injection Well application, and several Vacant Accounts were reviewed and approved. The Annual Report to TDEC and Storm Water Management Ordinance were forwarded to the Town Council and were approved at the first of two readings. This satisfies a MS4 permit requirement.
 - F. Reviewed 11 sets of grading plans during three monthly staff plan review meetings then created project files once they were Planning Commission-approved. This satisfies a MS4 permit requirement.
 - G. Began contacting developers soon after their projects are Planning Commission-approved to encourage them to pass the grading permit procedures (mailed with their planning office letter) on to their project manager.
 - H. Corresponded with developers and contractors about several imminent projects concerning grading permit issues. This satisfies a MS4 permit requirement.
 - I. Completed sediment control measure inspections at 12 construction sites, including the Florence Road Widening project, prior to the issuance of their grading permits. This satisfies a MS4 permit requirement.
 - J. Facilitated 11 official grading permit pre-construction meetings. This satisfies a MS4 permit requirement.
 - K. Issued 11 grading permits. This satisfies a MS4 permit requirement.
 - L. Met on-site with Mike Moss to learn more about the upcoming Senior Citizens Parking Lot Addition project.
 - M. Inspected the completed CSX Railway bridge replacement project over Stewart Creek to ensure no sediment could be washed into the stream as well as the course of the stream was not altered. All seems to be in fine condition.
 - N. Staff investigated no Illicit Discharge Detection and Elimination (IDDE) issues. This satisfies a MS4 permit requirement.
 - O. Staff assessed and met with several citizens regarding flooding issues due to localized intense summer storms.
 - P. Our two graduate students, serving as summer interns did a great job of inventorying storm drains and culverts in the downtown area. Both interns were well-versed in using GPS units and determining dimensions, elevations, diameters, and material types of devices used in open ditch and curb and gutter. Gathered data were computerized and proved instrumental in updating storm drain maps and flow directions.
 - Q. Dwaine Lawson, Environmental Tech/Inspector accomplished the following, which all satisfy MS4 permit requirements:
 - i. Organized and tracked monthly inspection calendar for all construction sites.
 - ii. Conducted monthly construction inspections and electronically recorded them in PubWorks, and worked with supervisors, developers, builders, and engineers during 185 (61/July + 63/August + 61/September) construction site inspections (Of these ~62 per month are active).
 - iii. Issued one Notice of Violation (NOV) for construction reasons.
 - iv. Participated in 11 grading permit pre-construction meetings.
 - v. Conducted another round of grease receptacle inspections, by inspecting 92 receptacles and updating the inspection sheet. No letters of warning or NOV's were issued.
 - vi. Investigated no Illicit Discharge Detection and Elimination issues then issued.
 - vii. Continued to work with business owners, property owners, et al to educate and enforce detention basin corrections.

- viii. Continued to respond to citizens' concerns.
 - ix. Reviewed two as-built plan submittals.
 - x. Conducted 60 individual construction lot erosion control inspections.
 - xi. Supervised the work of the two graduate student summer interns in collecting GPS data to improve our Town of Smyrna Stormwater Map.
 - xii. Assessed several flooding issues sustained during recent localized storm events.
 - xiii. Worked with Public Works Director on several projects pertaining to ongoing construction projects, drainage issues, and a variety of other projects.
 - xiv. Assisted in the set-up and take-down of the 1st Rutherford County Water Fest.
 - xv. Achieved TDEC Level I EPSC re-certification.
- R. Received 29 certificates of appreciation, signed by Mayor Reed's for the volunteers assisting in the 9th Annual Boat Day - 11th Annual WaterFest then distributed them. This satisfies a MS4 permit requirement.
- S. Town Manager, Harry Gill and store manager presented the lucky Boat Day winner with a \$700 kayak and \$150 twin-bladed paddle at the front entrance of our local Academy Outdoor and Sports Center. Thank you Academy!!
- T. Staff lent four kayaks, paddles, and life jackets to the 1st Annual Rutherford County Water Fest, not to be confused with our 11 WaterFests. The event was held at Sharp Springs Natural Area, where six 4th grade classes, comprised of some 25 students and two to three adults participated. This event is in conjunction with the four to five year old Project WET Contract that enables teachers and students to learn more about water quality. The SWM Program Coordinator gave a karst topography presentation to three classes, while the program's standard outreach display was set up for students to view and learn. Kayaks were used on the ground to demonstrate safe ingress and egress from boats. This satisfies a MS4 permit requirement.
- U. Buildings and Grounds, Parks, and SWM Program staff are in the process of planning the construction of two double-sided kiosks. The design and text of these kiosks were borrowed from the City of Cookeville, which were funded by the EPA in the late '90s. A tentative site has been selected at the Fitzhugh Trailhead, immediately adjacent to the parking area and along the spur trail that leads to the greenway. This satisfies a MS4 permit requirement.
- V. A general contractor has been selected to construct the rock berm along the TDOT right of way with the Stone Crest Medical Center in late October or early November. A fall cleanup, comprising of Life Point Youth and Motlow College students will remove the immense amount of litter from this site just before construction. This satisfies a MS4 permit requirement.
- W. Received word from the Stewart Creek Middle School STEM teacher and Rock Springs Middle School chemistry teacher that their schools will do weekend stream cleanups of segments of Rocky Fork Branch and Rock Springs Branch, respectively. This satisfies a MS4 permit requirement.
- X. The Public Works Office Coordinator handled 40 citizen inquiries regarding storm water drainage issues during this same time frame.
- Y. Continued to provide public works director with daily reports from which this quarterly report was written. (25 program achievements and 15 achievements for Dwaine Lawson).