## Stormwater Pollution Prevention Plan (SWPPP) for Construction of O'Fallon Multi-Family in O'Fallon, Missouri

"I certify 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."

Signature:	
Printed Name:	April Giesmann, P.E.
Title:	Civil/Site Engineering Practice Leader
Company:	Horner & Shifrin, Inc.
Date:	

Project Name and Location	O'Fallon Multi-Family O'Fallon, MO Located at the Northwest intersection of T.R. Hughes Boulevard and Homefield Boulevard Address: T.R. Hughes Blvd.
Engineer Information	Horner & Shifrin Inc 101 Laura K Dr., Suite 101 O'Fallon, MO 63366 636-439-2393
Owner Information	RTS O'FALLON, LLC 2082 Michelson Dr. Irvine, CA 92612 (949) 399-2500
Nature of the land disturbance activity	Clearing and Grubbing, Grading, storm sewer, sanitary and water line installation, construction of new apartment buildings, concrete parking lot along with concrete walkways. Construction of parking garages and carports.

Intended sequence of major soil disturbing activities	Installation of stabilized primary construction entrance and construction parking area.	
	2. Perimeter controls (silt fence) installed before any removal of pavement or construction work begins.	
	3. Removal of existing improvements and clearing.	
	4. Site construction activities with subsequent temporary erosion controls.	
	5. The temporary perimeter controls (silt fencing) will not be removed until construction is completed and vegetation is established.	
	6. Completion of permanent stormwater control features.	
	7. Removal and disposal of all of the temporary control features.	
Inspections, maintenance and response to unanticipated loss of contained sediment	A visual inspection of all erosion and sedimentation control devices will be required to be performed by the Contractor once per week, and promptly after every rainstorm that causes a work stoppage by the Contractor. Any damaged devices will be promptly repaired or replaced by the Contractor.	
	If any inspection reveals that additional measures are needed to prevent movement of sediment to offsite areas, additional devices will be promptly installed as needed. Sediment controls in need of maintenance will be required to be attended to within 8 hours of discovery.	
These allowable non-storm water discharges are authorized by the EPA and are not significant contributors of pollutants to the MS4.	<ul> <li>Landscape irrigation</li> <li>Discharge from potable water sources</li> <li>Air conditioning condensation</li> <li>Street wash water</li> <li>Residential building wash waters</li> </ul>	
The following items are not applicable to the O'Fallon Multi-Family site	There are no endangered species threatened or historic properties affected by this project.	

Runoff factor "CN" for disturbed and tributary area (from Table 2-2a of Urban Hydrology for Small Watershed, USDA TR-55 Manual, June 1986, Hydrologic Soil Group C)	Prior to activity: approximately 5% (Soil Group C) Woods, good condition CN=70; approximately 14% (Soil Group C) Brush, good condition, CN=74; approximately 81 % (Soil Group D) Brush, good condition, CN=80 Composite CN = 79  After activity: approximately 13% (Soil Group C) Paved, CN=98; approximately 6% (Soil Group C) Open Space Grass, good condition, CN=74; approximately 59% (Soil Group D) Paved, CN = 98); approximately 22% (Soil Group D) Open Space Grass, good condition, CN=80 Composite CN = 93
Total area of the property	11.67 acres +/-
Total area of the property to be disturbed	approx. 11.32 acres
Site Access for Haul Vehicles	It is anticipated that the primary access for construction vehicles and equipment and haul vehicles will be from T.R. Hughes Blvd. at temporary entrance shown on plans.
Haul Vehicle Travel Route(s)	The primary travel route from Highway 70 to T.R. Hughes Blvd. North
Structural controls to manage stormwater flow from exposed soils, and practices to retain sediment on-site or in any other way limit stormwater runoff	To mitigate against soils from escaping into the adjacent drainage system, the following Best Management Practices (BMP's) will have been implemented prior to initiating any land disturbance or construction work on site:  • Silt fencing and/or mulch berms along the
Temporary soil stabilization practices (i.e. temporary erosion and sediment control measures which are intended to retain siltation within the development site.)	perimeter of the disturbed area.  Temporary erosion/siltation control measures to be used during construction will include implementation of the following basic practices:  • Siltation basin/taps will be constructed at locations of future detention basins. Stormwater will be routed to silt basins and cleared out/spread on-site when reaching capacity.
	Slopes will be graded to keep the slope length and gradient to a minimum to minimize stormwater runoff velocities over graded areas. Seeding and development of a temporary stand of grass will be performed for any areas expected to remain exposed for more than 14 days.

BMP	Quantity	Temporary/Permanent
Silt Fence	3,351 LF	Temporary
Check Dam	6 Each	Temporary
Turf Reinforcement Mat	322 SY	Permanent
Sediment Basin	2 Each	Temporary
<ul> <li>All seeding/sodding will be of County Standard Specification</li> </ul>	O'Fallon and St. Charle done according to City ons.	•

## Compliance with Federal, State, and Local Regulations

All controls incorporated into this SWPPP (as well as any other measures that Contractor may elect to put in place) shall be implemented in a manner consistent with performance standards for erosion and sediment control set forth in the St. Charles County Standard Specifications.

## All contractor(s) and subcontractor(s) for this work will be required to sign the following

"I certify that I understand, and shall comply with, the terms and conditions of the State of Missouri Permit for Land Disturbance (> 5 acres), the St. Charles, Missouri Standard Specifications, and this Stormwater Pollution Prevention Plan prepared thereunder."

## Identification of Individual Responsible for Activities Related to Construction of O'Fallon Multi-Family:

Name:	
Signature:	 
Company:	
24-Hour Telephone No	

END OF STORMWATER POLLUTION PREVENTION PLANFOR CONSTRUCTION OF O'FALLON MULTI-FAMILY

construction work will be kept as clean and neat (free of construction debris, chemicals, litter, and litter) as reasonably possible. sanitary wastes): Construction debris and other litter on site will be cleared from the ground at regular intervals, and placed in dumpsters on site which are dedicated solely to temporary storage of construction debris until such dumpsters can be picked up by a licensed trash hauler, removed from the site, and hauled to an off-site disposal location; all in accordance with all applicable ordinances and regulations. Portable toilets will be provided for workers on-site, and these will be properly and regularly serviced / maintained by the company providing the toilets. Any fuel and oil stored in construction staging areas (which will be kept to a minimum) will be provided with spill containment structures. Any residues of chemicals, paints, or other regulated waste substances will be handled by the construction contractors' workers in a safe and environmentally-sound manner. Such waste materials will be temporarily stored on site in containers government-approved for the storage of such waste materials; until such containers (which will be carefully segregated from construction debris or other solid waste dumpsters) can be picked up by a licensed waste hauler, removed from the site, and hauled to an off-site disposal location; all in accordance with all applicable ordinances and regulations. A stone base area designed to provide a buffer zone, Vehicle parking and wash-down where construction vehicles can drop their mud to avoid transporting it onto public roads, will be operated at the location where traffic leaves the construction site to move directly onto a public road or other paved area, as shown on these drawings. This stone base buffer zone will be periodically cleaned to remove accumulated. Any on-site parking for construction workers will also be constructed of a crushed-stone or gravel base, at the construction access, in order to limit transport of sediment and/or other materials off site. The route of such hauling of clean material onto this site Borrow sites and haul roads for use in the construction work is anticipated to be relatively minor.

During the course of the work, the areas around the

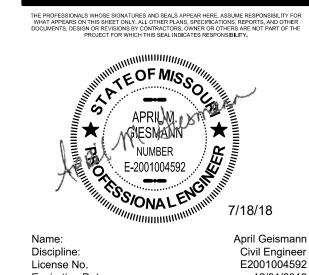
Control of other pollutants and waste

disposal during construction (including

PRINTS ISSUED 05/11/18 - Permit Set

**REVISIONS:** 





RENEW

SHEET TITLE SWPPP

PROJECT NUMBER: 17050 SHEET NUMBER:

DRAWN BY: AMH CHECKED BY: AMG