

STORM WATER POLLUTION PREVENTION PLAN

A. PURPOSE:

- The Storm Water Pollution Prevention Plan (SWPPP) shall meet the following objectives:
- Prevent erosion where construction activities shall occur.
- Prevent pollutants from mixing with storm water.
- Prevent pollutants from being discharged by trapping them on-site, before they can affect the receiving waters.

B. PROJECT DESCRIPTION:

The project is located in the Dardenne Creek watershed in St. Charles County, Missouri. The project disturbs approximately 16.21 acres.

- Silt Barriers:** The perimeter of the project that allows storm water to exit will have silt fences installed. Details of these devices are depicted on the construction plans prepared by Box Engineering Company, Inc.
- Re-vegetation:** The site will consist of varying ground slopes upon completion of the grading activities and will be seeded and strowed to stabilize the slope and prevent erosion.
- Storm Water Quality:** Construction of proposed basin will be used for Bio-Retention along with inlet filters will be utilized for storm water protection.

C. MAINTENANCE AND INSPECTION:

Regular Maintenance: Weekly inspections of the project will include: (a) The repair of any sediment (silt) silt fences not well shaped or out of place; (b) The removal of any accumulated trash and/or debris; (c) The clearing of debris, weeds and wild growth and the removal of vegetation where necessary to allow the storm water quality items to perform effectively; and (d) The removal of any externally deposited waste materials.

Periodic Inspections: Following each rain of more than 0.50 inch, the site will be inspected within 24 hours, and any necessary maintenance will be provided for a period of one year following the completion of the above remediation measures.

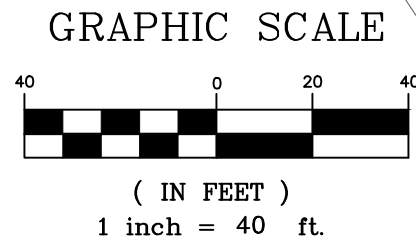
Maintenance and Inspections Summary: Summaries of the maintenance and the inspections will be maintained and shall be available from the Owner. An inspection report should be filed and kept on site for every inspection. The report should detail the findings of the inspection and if any action was required. The inspection report needs to include: name of site, name of inspector, permit number, date of inspection, major observations, actions taken to correct problems and the signature of inspector. The inspection reports need to be kept in an accessible onsite location. The reports must be kept on file by the permittee for three years after the project is completed.

The field inspections will be conducted in a systematic manner to minimize the possibility of any significant feature being overlooked. A detailed checklist will be developed and followed for the examination. Particular attention will be given to detecting evidence of erosion, slope instability, undue settlement, displacement, and lifting. Photographs and drawings will be used freely to record conditions in order to minimize descriptions. The field inspection will include appropriate features and items, including potential hazards to human life or property.

The condition of the slopes and vegetative cover will be evaluated and examined for erosion. If required basins will be examined for excessive sedimentation and increase in sediment loads, which will reduce the basins capacity.

Measures will be taken to promote the growth of vegetation and repair of damage caused by erosion and sedimentation. The inspection will also provide recommendations for measures that need to be undertaken immediately, based on the experience and judgment of the inspector. Necessary follow up inspections will be made as necessary to verify that any maintenance, alteration, or repair measures are accomplished by methods acceptable by standard engineering practice.

NOTE:
STORM SEWER LINE FE-14 TO FE-21 WILL BE INSTALLED AS PART OF THE GRADING OPERATIONS. THIS WORK SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND THE SOILS ENGINEER FOR PROPER PLACEMENT AND COMPACTION.



ADJUSTED LOT 2
RESUBDIVISION
OF LOTS 1 AND
2 OF
KEATON CROSSING
P.B. 44, PGS.
99-100

SPILL AND SITE POLLUTION:

Should an accidental spill occur refer to material safety data sheets. Any spills of hazardous materials in quantities in excess of reportable quantities as defined by EPA or the state agency regulations, shall be immediately reported to the EPA National Response Center (800-424-8802) and Missouri Department of Natural Resources (573-634-2436). Reportable spills for petroleum products is greater than 50 gallons. All other reportable hazardous materials and their quantities may be found on the web site at <http://www.dnr.mo.gov> on the local number is 573-840-9750. Federal law requires the responsible party to report any release of oil if it reaches or threatens a sewer, lake, creek, stream, river, groundwater, wetlands, or area like a road ditch, that drains into the above.

An emergency spill kit is required to be onsite for all potential spills.

Table 60-5 Soil Stabilization Schedule

Soil Disturbance Activity or Condition	Required Stabilization Time
Soil disturbance has ceased in areas greater than 2,000 square feet.	14 days
After construction of dikes, swales, diversions, and other concentrated flow areas	5 days
When slopes are steeper than 3 horizontal to 1 vertical	7 days
When slopes are greater than 3% and longer than 150 feet.	14 days
Perimeter controls around soil stockpiles.	End of workday
Stabilization or covering of inactive stockpiles.	30 days
When land disturbance is completed, permanent soil stabilization must be installed.	30 days

ADJUSTED LOT 6
KEATON CORPORATE PARK PLAT 3
BOUNDARY ADJUSTMENT PART OF LOT 6
ADJUSTED
P.B. 45, PG. 352

- NOTES:**
- FOR AREA INLETS USE ESC-13 WITH CHECK DAMS DURING CONSTRUCTION AND INSTALL ESC-14 FOR POST-DEVELOPED PHASE.
 - FOR CURB INLETS USE ESC-13 WITH CHECK DAMS DURING CONSTRUCTION AND INSTALL ESC-17 FOR POST-DEVELOPED PHASE.
 - FOR FLARED ENDS USE ESC-21.
 - SEDIMENT TRAP AI26 IS SET AT LOW POINT AND SHALL BE PUMPED AS NEEDED TO MAINTAIN STORAGE CAPACITY.

PROJECT TITLE:
THE VILLAS AT KEATON WOODS

ENGINEERING PLANNING SURVEYING
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St. Charles, MO 63301
636-928-5562
FAX 636-928-1718

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Civil Engineer
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Surveying Authority No. 000144
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REVISIONS

DATE	CITY COMMENTS
02/20/17	CITY COMMENTS
03/17/17	CITY COMMENTS
09/20/18	CITY COMMENTS
11/06/18	CITY COMMENTS
12/14/18	CITY COMMENTS
12/28/18	CITY COMMENTS
06/11/21	CLIENT COMMENTS
03/01/22	CITY COMMENTS

Developer / Owner:
Bridgewater Communities, Inc.
P.O. Box 4607
Chesterfield, Missouri 63005
636-294-6020

P+Z No.: 18-003986
June 7, 2018

City No.: #18-003984
Permit #RSP18-000006

Page No.: 13 of 32

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