COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES EROSION AND SEDIMENT CONTROL (E&S) MODULE 1

Applicant: **M & G Realty, Inc.** Project Site Name: **Rutters Huntingdon Store #93**

E&S PLAN INFORMATION

1. Describe the existing topographic features of the project site and the immediate surrounding area.

The project site slopes from north to south, similar to the adjacent properties also located on the south side of Rt. 22. The property slopes from Rt. 22, which parallels the northern property line, towards the adjacent southern lower property with an approximate 20 foot drop from the highway to the adjacent property.

2. a. Complete the following table for soils present at the project site or attach a separate table.

Map Unit Symbol	Map Unit Name	Acres	HSG	% of Disturbed Area	Site-Specific Limitation	Hydric
BuB	**Buchana gravelly silt loam**	**<0.1**	**C/D**	**0.3**	☒	☒
BuC	**Buchana channery silt loam**	**7.2**	**C/D**	**92.6**	☒	☒
EgB	**Edom-Weikert complex**	**0.5**	**B**	**6.4**	☒	☐
BMF	**Berks-Weikert association, steep**	**<0.1**	**B**	**0.6**	☐	☐

b. If there are any site-specific soil limitations identified in the table above, discuss how the E&S Plan was designed to address those limitations.

Poor source of topsoil, unknown soil conditions/droughty - apply adequate rates of lime and fertilizer for use as soil amendment. Soil testing is strongly recommended. Irrigation maybe needed when this soil is used for landscaped areas or PCSM BMPs

Corrosivity, low strength, piping, frost action, shrink swell - use plastic piping; conduct geo-technical investigation if these soils will be impacted. Site & structural building design will be based on results of geo-technical investigation.

Hydric inclusions, wetness/flooding - wetlands have been identified on the property - project has been designed to avoid wetland impacts.

Slow percolation/poorly drained, wetness/depth to high water table, wetness - infiltration testing has been conducted and PCSM BMP's designed according to actual infiltration results.

Erosion hazard - minimize disturbed area; implement stabilization bmp's immediately. Temporary stabilization must be implemented immediately in areas where activity has ceased for four (4) or more days.

c. If hydric soils are present, is a wetland determination attached to this module? ☒ Yes ☐ No ☐ N/A

If No, explain: _____

d. If wetlands are found to be present, are a wetland delineation report and plan drawings showing the wetland boundary attached to this module? ☒ Yes ☐ No ☐ N/A

e. Was environmental due diligence conducted for on-site soils to be disturbed? ☐ Yes ☒ No

f. If on-site soils are known to be contaminated, 1) identify the pollutants exceeding Act 2 standards, 2) identify the extent of soil contamination on an E&S Plan Drawing that is attached to this module, and 3) describe the methods that will be used to avoid or minimize disturbance of the contaminated soils in the space provided below or separate sheet.

3. Describe the characteristics of the earth disturbance activity, including the past (at least 50 years ago), present (within the past five (5) years) and proposed land uses and the proposed alteration to the project site.

The property has been used as farmland for more than 50 years, either as crop land or for cutting hay. Present land use consists of a vacant lot maintained as meadow. Propsed land use consists of construction of site access and stormwater controls in suppport of a new Rutters convenience store.

4. Describe the volume and rate of runoff from the project site and its upstream watershed area.

Rt. 22 cuts off nearly all of the upslope watershed draining to the project site. Less than 1 acre of upslope drainage from the highway enters the site at the proposed driveway location. This will be managed with the project site runoff. Runoff from the project site will be managed to assure that post-development rate and volume do not exceed pre-development rate and volume.

5. Check boxes to indicate all BMPs that will be installed or implemented, indicate the number of BMPs on the project site, and describe any deviations from the E&S Manual.

E&S BMPs	No. BMPs	Deviation(s) from E&S Manual
☒ Rock Construction Entrance	**1**	**150 ft. entrance ABACT deviation**
☐ Rock Construction Entrance with Wash Rack		
☐ Rumble Pad		
☐ Wheel Wash		
☐ Temporary/Permanent Access Roads		
☐ Waterbar		
☐ Broad-based Dip		
☐ Open-top Culvert		
☐ Water Deflector		
☐ Roadside Ditch		
☐ Ditch Relief Culvert		
☐ Turnout		
☐ Compost Sock Sediment Trap		
☐ Temporary/Permanent Stream Crossing		
☐ Temporary/Permanent Wetland Crossing		
☐ Turbidity Barrier (Silt Curtain)		
☐ Dewatering Work Areas		
☒ Pumped Water Filter Bag	**1**	
☐ Sump Pit		
☒ Concrete Washout	**1**	
☒ Compost Filter Sock	**6**	
☐ Compost Filter Berm		
☐ Weighted Sediment Filter Tube		
☐ Silt Fence (Filter Fabric Fence)		
☐ Reinforced Silt Fence		
☐ Super Silt Fence		

E&S BMPs	No. BMPs	Deviation(s) from E&S Manual
☐ Sediment Filter Log (Fiber Log)		
☐ Wood Chip Filter Berm		
☐ Straw Bale Barrier		
☐ Rock Filter		
☐ Vegetative Filter Strip		
☒ Inlet Filter Bag	**22**	
☐ Stone Inlet Protection		
☐ Runoff Conveyance (Channel)		
☐ Bench		
☐ Top-of-Slope Berm		
☐ Temporary Slope Pipe		
☐ Sediment Basin		
☐ Sediment Trap		
☒ Riprap Apron	**6**	
☐ Flow Transition Mat		
☐ Stilling Basin (Plunge Pool)		
☐ Stilling Well		
☐ Energy Dissipater		
☐ Drop Structure		
☐ Earthen Level Spreader		
☒ Structural Level Spreader	**3**	
☐ Surface Roughening		
☒ Vegetative Stabilization	**1**	
☒ Erosion Control Blanket	**3+**	
☐ Soil Binders		
☐ Sodding		
☐ Cellular Confinement Systems		
☐ Alternative:		
☐ Alternative:		

6.	☒	E&S Plan Drawings have been developed for the project and are attached to the NOI/application.
7.	☒	All applicable Standard E&S Worksheets from Appendix B of the E&S Manual, or other calculations equivalent to Appendix B Worksheets, have been completed and are attached to the NOI/application.
8.	☒	Supporting E&S BMP calculations are attached to the NOI/application.
9.	☒	A complete sequence of BMP installation and removal in relation to the scheduling of earth disturbance activities, prior to, during and after earth disturbance activities, that ensures the proper functioning of all BMPs is provided on the E&S Plan Drawings.
10.	☐	A cut/fill balance sheet with soil volumes identified is attached.
11.	☒	BMPs will be inspected on a weekly basis and after measurable storm events (i.e., at least 0.25 inch).
12.	☒	The following information relating to temporary stabilization measures is identified on the E&S Plan Drawings: 1) vegetative species, 2) % pure live seed, 3) seed application rate, 4) fertilizer type, 5) fertilizer application rate, 6) mulch type, 7) mulching rate, and 8) liming rate.
13.	☒	The following information relating to permanent stabilization measures is identified on the E&S Plan Drawings: 1) vegetative species, 2) % pure live seed, 3) seed application rate, 4) fertilizer type, 5) fertilizer application rate, 6) mulch type, 7) mulching rate, 8) liming rate, 9) anchor material, 10) anchoring method, 11) rate of anchor material application, 12) topsoil placement depth, and 13) seeding season dates.
14.	☒	The procedures that will be taken to ensure that recycling or disposal of materials associated with or from the project site will be conducted properly is described on the E&S Plan Drawings.
15.	☒	The E&S Plan has been planned, designed, and will be implemented to be consistent with the PCSM Plan.
16.	☐	The project includes existing and/or proposed riparian forest buffers as shown on the E&S / PCSM Plan Drawings.
17.	☐	Construction dewatering is expected and BMPs for treating this water are shown on E&S Plan Drawings.

18. Identify the presence of any naturally occurring geologic formations or soil conditions that may have the potential to cause pollution during earth disturbance activities below. If such formations or conditions exist, identify BMPs on the E&S Plan Drawings that will be implemented to avoid or minimize potential pollution. (Enter "N/A" if not applicable).

Yes, the site is underlain by Hamilton Group geology which is known to contain pyritic shale. The Geotechnical Engineering Report documents testing revealed pyritic sulfur bedrock could be encountered in the area proposed for the underground fuel tanks. The Geotechnical engineer will be present during excavation to evaluate soil conditions encountered in the field and determine the need for further testing. See Sheets ES4 and PCSM 3 for more detailed recommendations.

Pyritic shale was encountured during site excavation and temporary stabilization was implimented. The site has been redesigned using the Manage Release Concept (MRC) and all inflitration BMP's and SCM's have been removed.

19. Identify whether the potential exists for thermal impacts to surface waters from the earth disturbance activity below. If such potential exists, identify BMPs on the E&S Plan Drawings that will be implemented to avoid, minimize, or mitigate potential thermal impacts.

During construction it is likely that thermal impacts will result during earthmoving operations when vegetation has been removed and prior to establishing vegetative site stabilization. The use of compost filter sock will help to minimize thermal impacts by allowing accumulated runoff to slow filter through the compost.

E&S PLAN DEVELOPER

☒ I am trained and experienced in E&S control methods.

No. years of experience preparing E&S Plans: **20+**

☒ I am a licensed professional.

☐ I am a certified E&S professional.

Name:	Benjamin S. Piper	Title:	PE, Senior Designer
Company:	Keller Engineers, Inc.	Phone No.:	814-696-7430
Address:	PO Box 61	Email:	bpiper@keller-engineers.com
City, State, ZIP:	Hollidaysburg, PA 16648	License No.:	PE086344
License Type:	Registered Professional Engineer	Cert. No.:	
Cert. Type:		Exp. Date:	9/30/26

E&S Plan Developer Signature

04/17/26

Date