APPENDIX B

STORMWATER MANAGEMENT PERMIT APPLICATION

Anyone performing a regulated activity must complete the accompanying Stormwater Management Permit Application, and submit to the Municipality. A regulated activity is defined by this Ordinance as:

Regulated Activity - Any earth disturbance activities or any activities that involve the alteration or development of land in a manner that may affect stormwater runoff.

This includes but is not limited to: the clearing of wooded areas, grading and excavating, placement of pavement (driveways, parking areas, roads), construction of buildings and other structures (homes, sheds, garages, commercial and industrial buildings), and other activities which alter the way stormwater runs off of the landscape. Impervious area is defined by this Ordinance as:

Impervious Surface (Impervious Area) - A surface that prevents the infiltration of water into the ground. Impervious surfaces include, but are not limited to, streets, sidewalks, pavements, parking lots, driveways, roofs, stone patios. See definition of "Gravel (Crushed Stone)" for when gravel classifies as impervious area.

Gravel (Crushed Stone) - Considered to be impervious when the intended use of the stone is for transportation purposes, parking areas, construction areas, trails, or if the gravel is compacted at any time during or after its placement; landscaping stone is not considered as impervious area.

Depending on the amount of impervious area placed and the amount of earth disturbance to the project site, this Ordinance requires different levels of stormwater management, and correspondingly different levels of design and review.

Level 1: Proposed impervious area is less than 1,000 sq. ft. and total earth disturbance is less than 5,000 sq. ft.
Stormwater Management Controls: Ensure that adverse downstream impacts do not occur due to redirecting stormwater flows towards nearby structures.
Submission: Submit the Stormwater Management Permit Application and Project Sketch; the easiest mechanism is to include the application with Building Permits.
Review: Reviewing the application will not likely require a qualified professional.

Level 2: Proposed impervious area is between 1,000 sq. ft. and 5,000 sq. ft. or total earth disturbance is between 5,000 sq. ft. and 10,000 sq. ft.
Stormwater Management Controls: Utilize Disconnected Impervious Area (DIA) for stormwater controls as outlined in Ordinance Appendix C.1; if DIA cannot be achieved, utilize stormwater management controls for small projects as outlined in Ordinance Appendix E.
Submission: Submit the Stormwater Management Permit Application and computations for DIA; the worksheet in this Ordinance Appendix C.1 may be used and submitted as is, or may be modified as the Municipality sees fit. If DIA cannot be achieved, submit computations for Stormwater Management for Small Projects; the worksheet in this Ordinance Appendix E may be used and submitted as is, or may be modified as the Municipality sees fit; the easiest mechanism is to include the application with Building Permits.
Review: Reviewing the application and computations may require a qualified professional if the person responsible for issuing Building Permits is not comfortable with performing the review.

Level 3: Proposed impervious area is between 5,000 sq. ft. and 10,000 sq. ft. or total earth disturbance is between 10,000 sq. ft. and 20,000 sq. ft.
Stormwater Management Controls: Capture and permanently remove the first 2 inches of runoff over all proposed impervious areas; infiltrate at least the first 0.5 inches.
Submission: Submit the Stormwater Management Permit Application and computations for permanently removing the first 2 inches of runoff over all proposed impervious areas; the worksheet in this Ordinance Appendix D may be used and submitted as is, or may be modified as the Municipality sees fit.
Review: Reviewing the application and computations will most likely require a qualified professional.

Level 4: Proposed impervious area is greater than 10,000 sq. ft. or total earth disturbance is greater than 20,000 sq. ft.
Stormwater Management Controls: All requirements of this Ordinance are applicable, including water quality and volume controls as found in Article III Section 303 and peak rate controls as found in Article III Section 304.
Submission: Submit the Stormwater Management Permit Application and Stormwater Management (SWM) Site Plan as in Article IV of this Ordinance.
Review: Reviewing the application and SWM Site Plan requires a qualified professional.

Following the Stormwater Management Permit Application and accompanying sketch sheet are examples of common smaller projects which do not require the review by a qualified professional (review by a qualified professional is optional). An Alternative Stormwater Management Permit Application is also provided following the examples. Both forms may be modified by the Municipality before one is selected.

STORMWATER MANAGEMENT PERMIT APPLICATION

Applicant and Applicant Address:	Nature of Activity (i.e. driveway, single-lot structure, parking lot, road, trail, subdivision, etc.):

Total Proposed Impervious Area (I) (sq. ft.):

Total Proposed Earth Disturbance (ED) (sq. ft.):

Level 1: (I) is less than 1,000 sq. ft. and (ED) is less than 5,000 sq. ft.

Level 2: (I) is between 1,000 sq. ft. and 5,000 sq. ft. or (ED) is between 5,000 sq. ft. and 10,000 sq. ft.

Complete and attach worksheet contained in Ordinance Appendix C.1 or E (or equivalent) → Is worksheet attached? No / Yes

Level 3: (I) is between 5,000 sq. ft. and 10,000 sq. ft. or (ED) is between 10,000 sq. ft. and 20,000 sq. ft.

Complete and attach worksheet contained in Ordinance Appendix D (or equivalent) → Is worksheet attached? No / Yes

Level 4: (I) is greater than 10,000 sq. ft. or (ED) is greater than 20,000 sq. ft.

Complete and submit SWM Site Plan in accordance with Ordinance Article IV → Is a SWM Site Plan included? No / Yes

Show on the accompanying sketch that adverse downstream stormwater impacts are not created or worsened, and that additional stormwater runoff will not discharge towards adjacent property owners.

All requirements of the Ordinance have been met. Applicant Signature:_____ Date:_____

FOR REVIEWER ONLY

This stormwater management permit application has been APPROVED DENIED (circle one)

Reviewed by (print):_____ Reason for Denial:_____

Signature:_____ Date:_____

PROJECT SKETCH

- Show direction of proposed stormwater discharges
- Show all structures within 50 feet of site
- If storm sewers are present, show approximate location of inlets

EXAMPLE 1 STORMWATER MANAGEMENT PERMIT APPLICATION

Applicant and Applicant Address:	Nature of Activity (i.e. driveway, single-lot structure, parking lot, road, trail, subdivision, etc.):
Joe Homeowner 123 Site Street Anytown, PA 12345	Construction of one car garage

Total Proposed Impervious Area (I) (sq. ft.): 300 square feet

Total Proposed Earth Disturbance (ED) (sq. ft.): 400 square feet

Level 1: (I) is less than 1,000 sq. ft. and (ED) is less than 5,000 sq. ft.

Level 2: (I) is between 1,000 sq. ft. and 5,000 sq. ft. or (ED) is between 5,000 sq. ft. and 10,000 sq. ft.

Complete and attach worksheet contained in Ordinance Appendix C.1 or E (or equivalent) → Is worksheet attached? No / Yes

Level 3: (I) is between 5,000 sq. ft. and 10,000 sq. ft. or (ED) is between 10,000 sq. ft. and 20,000 sq. ft.

Complete and attach worksheet contained in Ordinance Appendix D (or equivalent) → Is worksheet attached? No / Yes

Level 4: (I) is greater than 10,000 sq. ft. or (ED) is greater than 20,000 sq. ft.

Complete and submit SWM Site Plan in accordance with Ordinance Article IV → Is a SWM Site Plan included? No / Yes

Show on the accompanying sketch that adverse downstream stormwater impacts are not created or worsened, and that additional stormwater runoff will not discharge towards adjacent property owners.

All requirements of the Ordinance have been met. Applicant Signature: Joseph Homeowner Date: 6/30/2010

FOR REVIEWER ONLY

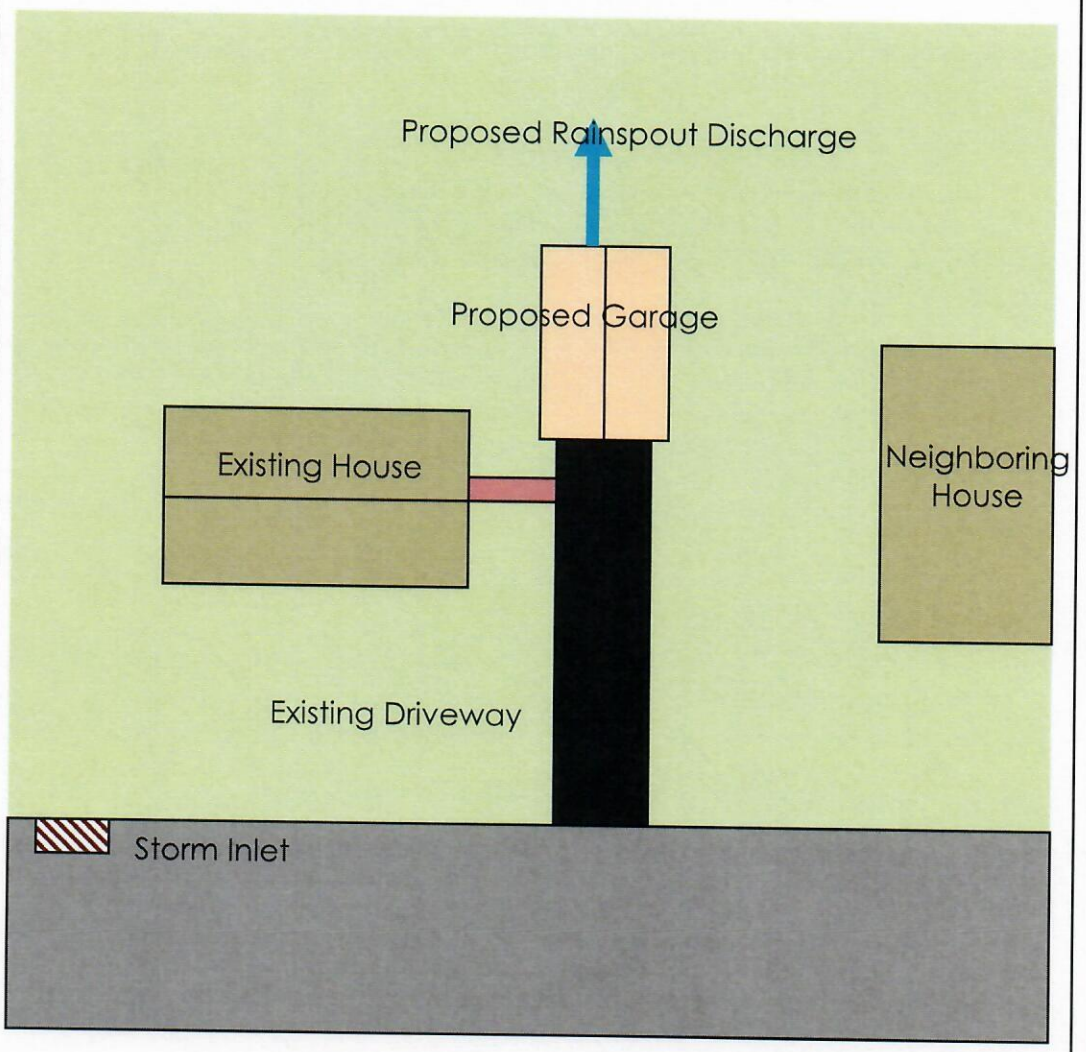
This stormwater management permit application has been APPROVED DENIED (circle one)

Reviewed by (print): Municipal Official Reason for Denial: N/A

Signature: Municipal Official Date: 6/30/2010

EXAMPLE 1 PROJECT SKETCH

- Show direction of proposed stormwater discharges
- Show all structures within 50 feet of site
- If storm sewers are present, show approximate location of inlets



EXAMPLE 2 STORMWATER MANAGEMENT PERMIT APPLICATION

Applicant and Applicant Address:	Nature of Activity (i.e. driveway, single-lot structure, parking lot, road, trail, subdivision, etc.):
Joe Homeowner 123 Site Street Anytown, PA 12345	Construction of single-family home, driveway, and stone patio

Total Proposed Impervious Area (I) (sq. ft.): 3,300 square feet

Total Proposed Earth Disturbance (ED) (sq. ft.): 6,000 square feet

Level 1: (I) is less than 1,000 sq. ft. and (ED) is less than 5,000 sq. ft.

Level 2: (I) is between 1,000 sq. ft. and 5,000 sq. ft. or (ED) is between 5,000 sq. ft. and 10,000 sq. ft.

Complete and attach worksheet contained in Ordinance Appendix C.1 or E (or equivalent) → Is worksheet attached? No / Yes (Yes circled)

Level 3: (I) is between 5,000 sq. ft. and 10,000 sq. ft. or (ED) is between 10,000 sq. ft. and 20,000 sq. ft.

Complete and attach worksheet contained in Ordinance Appendix D (or equivalent) → Is worksheet attached? No / Yes

Level 4: (I) is greater than 10,000 sq. ft. or (ED) is greater than 20,000 sq. ft.

Complete and submit SWM Site Plan in accordance with Ordinance Article IV → Is a SWM Site Plan included? No / Yes

Show on the accompanying sketch that adverse downstream stormwater impacts are not created or worsened, and that additional stormwater runoff will not discharge towards adjacent property owners.

All requirements of the Ordinance have been met. Applicant Signature Joseph Homeowner Date: 6/30/2010

FOR REVIEWER ONLY

This stormwater management permit application has been APPROVED (circled) DENIED (circle one)

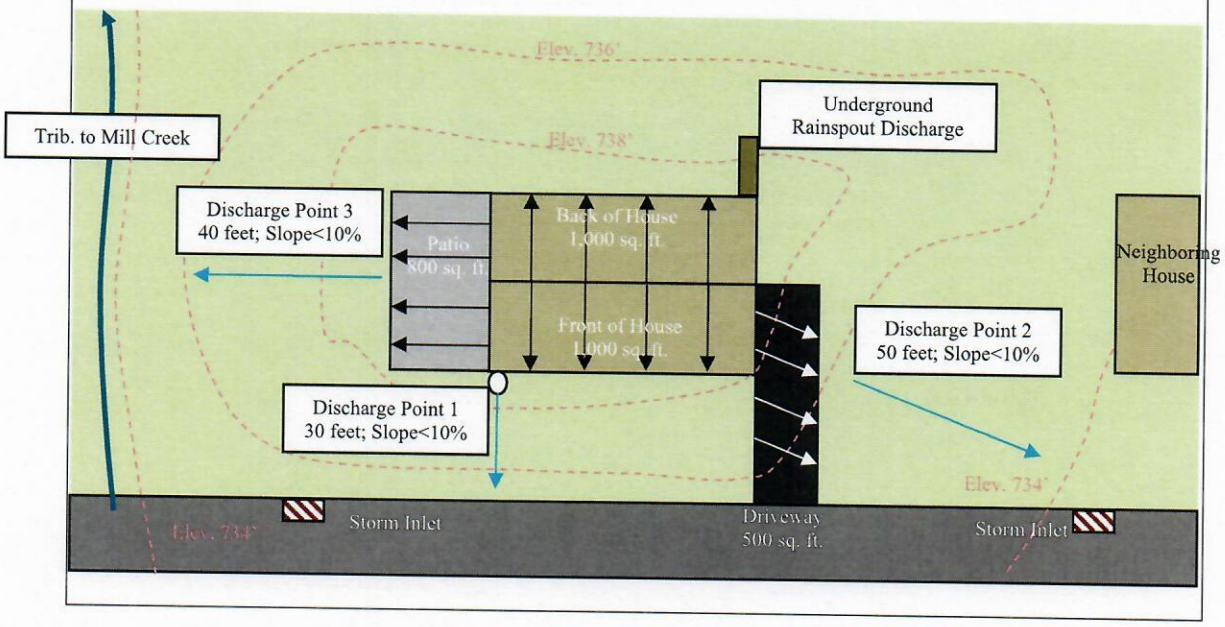
Reviewed by (print): Municipal Official Reason for Denial: N/A

Signature: Municipal Official Date: 6/30/2010

EXAMPLE 2 PROJECT SKETCH – Homeowner opted to utilize the worksheet provided in Appendix C.1 to show stormwater management for DIA.

Applicant Address: Joe Homeowner 123 Site Street Anytown, PA 12345	**Brief Description of Project:** Construction of 2,000 sq. ft. (40' x 50') single-family home with 500 sq. ft. driveway (10' x 50') and 800 sq. ft. stone patio (20' x 40'). The back half of the house discharges to rainspouts underground.				
Nearest waterbody: Tributary to Mill Creek	**No more than 1,000 sq. ft. can discharge to one point on the surface.** **Number of surface discharge points required:** 3				
Total Proposed Impervious Area (A): 3,300 sq. ft. **Total Earth Disturbance:** 6,000 sq. ft.	**Discharge Point 1:** Front of Home	**Discharge Point 2:** Driveway	**Discharge Point 3:** Patio	**Discharge Point 4:** N/A	**Discharge Point 5:** N/A
	Area: 1,000 sq. ft.	**Area:** 500 sq. ft.	**Area:** 800 sq. ft.	**Area:** N/A	**Area:** N/A
Are rainspouts discharged underground? (Y/N) Yes **If yes, contributing impervious area (B):** 1,000 sq. ft.	**Impervious Path Length:** 20 ft	**Impervious Path Length:** 10 ft	**Impervious Path Length:** 20 ft	**Impervious Path Length:** N/A	**Impervious Path Length:** N/A
	Pervious Path Length: 30 ft	**Pervious Path Length:** 50 ft	**Pervious Path Length:** 40 ft	**Pervious Path Length:** N/A	**Pervious Path Length:** N/A
Total Impervious Area Discharged on Surface (A) – (B): 3,300 – 1,000 = 2,300 sq. ft.	**Pervious Path Slope <10%? (Y/N)** Yes	**Pervious Path Slope <10%? (Y/N)** Yes	**Pervious Path Slope <10%? (Y/N)** Yes	**Pervious Path Slope <10%? (Y/N)** N/A	**Pervious Path Slope <10%? (Y/N)** N/A
HSG Soil Group from Appendix F.2 Hydrologic Soils Group Map (Cannot be "D" Soils): HSG "C"					

Project sketch:



EXAMPLE 3 STORMWATER MANAGEMENT PERMIT APPLICATION

Applicant and Applicant Address:	Nature of Activity (i.e. driveway, single-lot structure, parking lot, road, trail, subdivision, etc.):
Joe Homeowner 123 Site Street Anytown, PA 12345	Construction of single-family home, driveway, and stone patio

Total Proposed Impervious Area (I) (sq. ft.): 3,300 square feet

Total Proposed Earth Disturbance (ED) (sq. ft.): 6,000 square feet

Level 1: (I) is less than 1,000 sq. ft. and (ED) is less than 5,000 sq. ft.

Level 2: (I) is between 1,000 sq. ft. and 5,000 sq. ft. or (ED) is between 5,000 sq. ft. and 10,000 sq. ft.

Complete and attach worksheet contained in Ordinance Appendix C.1 or E (or equivalent) → Is worksheet attached? No / Yes (Yes circled)

Level 3: (I) is between 5,000 sq. ft. and 10,000 sq. ft. or (ED) is between 10,000 sq. ft. and 20,000 sq. ft.

Complete and attach worksheet contained in Ordinance Appendix D (or equivalent) → Is worksheet attached? No / Yes

Level 4: (I) is greater than 10,000 sq. ft. or (ED) is greater than 20,000 sq. ft.

Complete and submit SWM Site Plan in accordance with Ordinance Article IV → Is a SWM Site Plan included? No / Yes

Show on the accompanying sketch that adverse downstream stormwater impacts are not created or worsened, and that additional stormwater runoff will not discharge towards adjacent property owners.

All requirements of the Ordinance have been met. Applicant Signature Joseph Homeowner Date: 6/30/2010

FOR REVIEWER ONLY

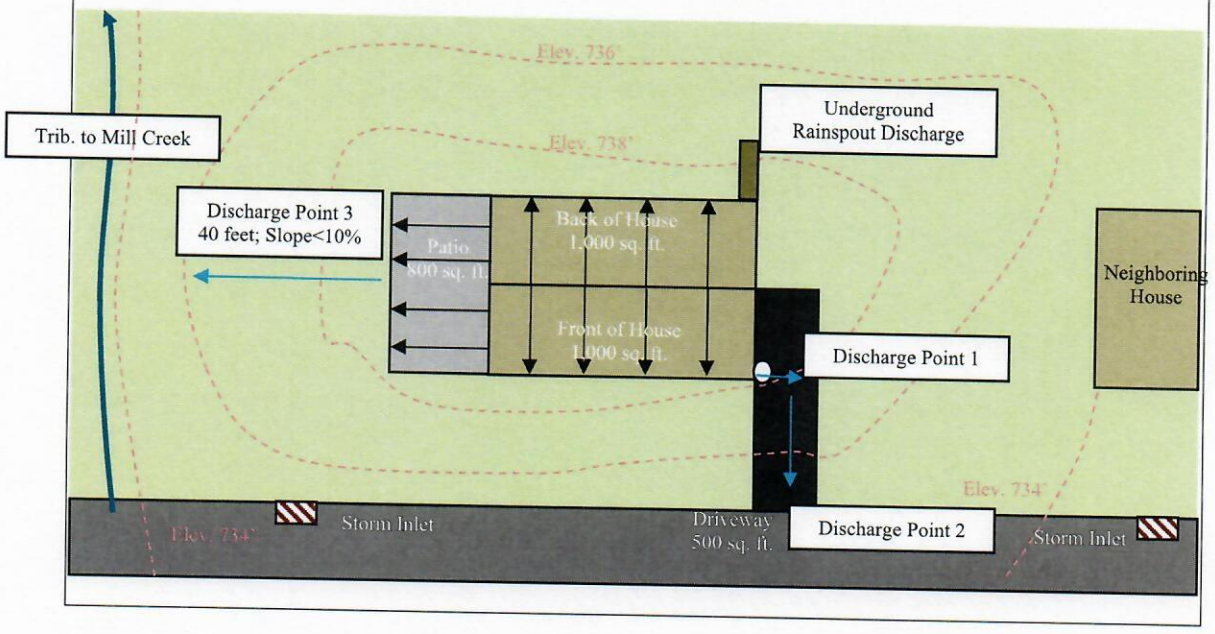
This stormwater management permit application has been APPROVED (DENIED) (circle one)

Reviewed by (print): Municipal Official Reason for Denial: Rainspout discharges to driveway, and driveway discharges to street

Signature: Municipal Official Date: 6/30/2010

EXAMPLE 3 PROJECT SKETCH – Homeowner opted to utilize the worksheet provided in Appendix C.1 to show stormwater management for DIA.

Applicant Address: Joe Homeowner 123 Site Street Anytown, PA 12345	**Brief Description of Project:** Construction of 2,000 sq. ft. (40' x 50') single-family home with 500 sq. ft. driveway (10' x 50') and 800 sq. ft. stone patio (20' x 40'). The back half of the house discharges to rainspouts underground.				
Nearest waterbody: Tributary to Mill Creek	**No more than 1,000 sq. ft. can discharge to one point on the surface.** **Number of surface discharge points required:** 3				
Total Proposed Impervious Area (A): 3,300 sq. ft. **Total Earth Disturbance:** 6,000 sq. ft.	**Discharge Point 1:** Front of Home	**Discharge Point 2:** Driveway	**Discharge Point 3:** Patio	**Discharge Point 4:** N/A	**Discharge Point 5:** N/A
	Area: 1,000 sq. ft.	**Area:** 500 sq. ft.	**Area:** 800 sq. ft.	**Area:** N/A	**Area:** N/A
Are rainspouts discharged underground? (Y/N) Yes **If yes, contributing impervious area (B):** 1,000 sq. ft.	**Impervious Path Length:** 20 ft	**Impervious Path Length:** 50 ft	**Impervious Path Length:** 20 ft	**Impervious Path Length:** N/A	**Impervious Path Length:** N/A
	Pervious Path Length: N/A	**Pervious Path Length:** N/A	**Pervious Path Length:** 40 ft	**Pervious Path Length:** N/A	**Pervious Path Length:** N/A
Total Impervious Area Discharged on Surface (A) – (B): 3,300 – 1,000 = 2,300 sq. ft.	**Pervious Path Slope <10%? (Y/N)** N/A	**Pervious Path Slope <10%? (Y/N)** N/A	**Pervious Path Slope <10%? (Y/N)** Yes	**Pervious Path Slope <10%? (Y/N)** N/A	**Pervious Path Slope <10%? (Y/N)** N/A
HSG Soil Group from Appendix F.2 Hydrologic Soils Group Map (Cannot be "D" Soils): HSG "C"					
Project sketch:					



ALTERNATIVE STORMWATER MANAGEMENT PERMIT APPLICATION

Applicant Name and Address:

What is the nature of your project? (check all that apply)

__ Single Family Home	__ Paved Driveway	__ Deck (w/ roof)
__ Addition to Home	__ Gravel Driveway	__ Earthwork (fill or excavation)
__ Garage	__ Outdoor Stone Patio	__ Subdivision/Land Development
__ Storage Shed	__ Deck (no roof)	__ Other (explain) _____

What is the total amount of disturbed area for the project? (limits of fill placement, excavation, tree/shrub clearing)

Length (feet)

Area = Length x Width [ ] Width (feet) Area = _____ (sq. ft.)

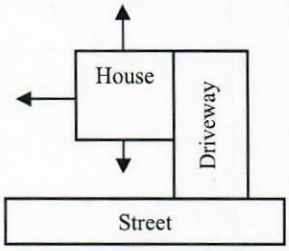
What is the total amount of impervious area for the project? (asphalt, concrete, compacted gravel, stone, roofs)

Length (feet)

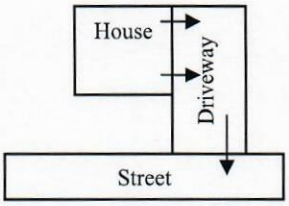
Area = Length x Width [ ] Width (feet) Area = _____ (sq. ft.)

If the project involves roofing, are gutters and rainspouts used? Yes No (circle one)
If rainspouts are used, select the sketch below that approximates where they are directed:

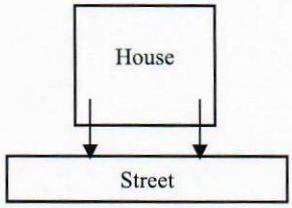
To back, front, and side lawns
Not directed to driveway



To driveway and out to street



No driveway present
Directed to street or storm sewer



Indicate the slope of the site the project is located on by selecting one of the sketches below:

Mild slopes or flat

Perched project – slopes in all directions

Steep slope in one general direction

**** Include additional sketches and sheets as necessary ****

Reviewer Signature:_____ Date: _____ APPROVED DENIED