

Millersville Borough
Guide to Choosing
Stormwater Management -
Sample Model Designs
Best Management Practices (BMPs)

SAMPLE SITE SKETCH PLAN FOR LAND USE PERMIT AND LEVEL 1 STORMWATER MANAGEMENT PLAN

SCALE: N.T.S.

EXISTING

HOUSE=2400 SQ. FT.
SIDEWALK=240 SQ. FT.
DRIVEWAY=4000 SQ. FT.

PROPOSED

GARAGE=750 SQ. FT.
DRIVEWAY=150 SQ. FT.
(5' x 30' ADDED)

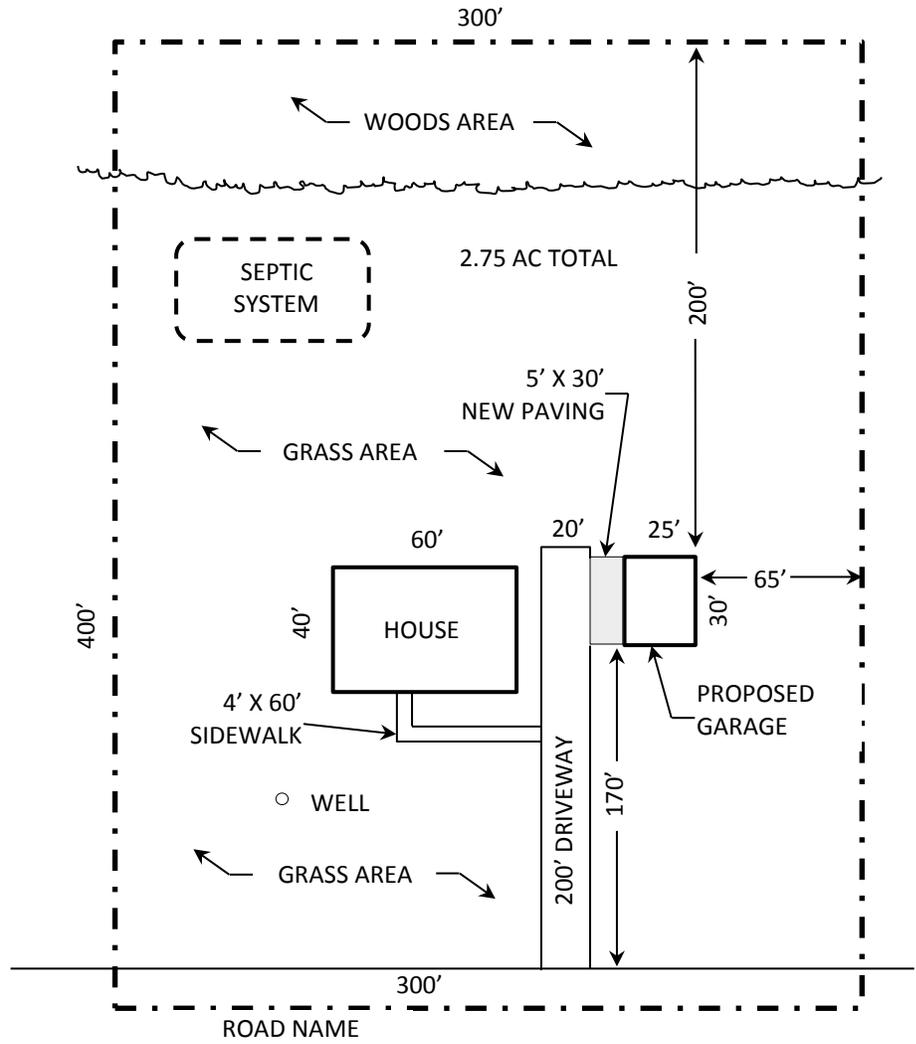
TOTAL EXISTING AND
PROPOSED=7540 SQ. FT.

NOTE:

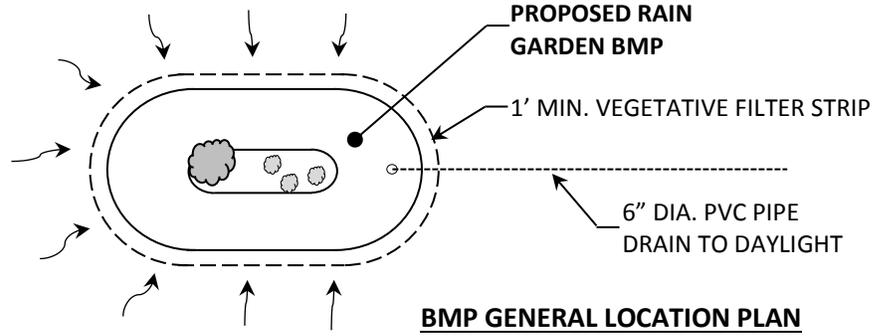
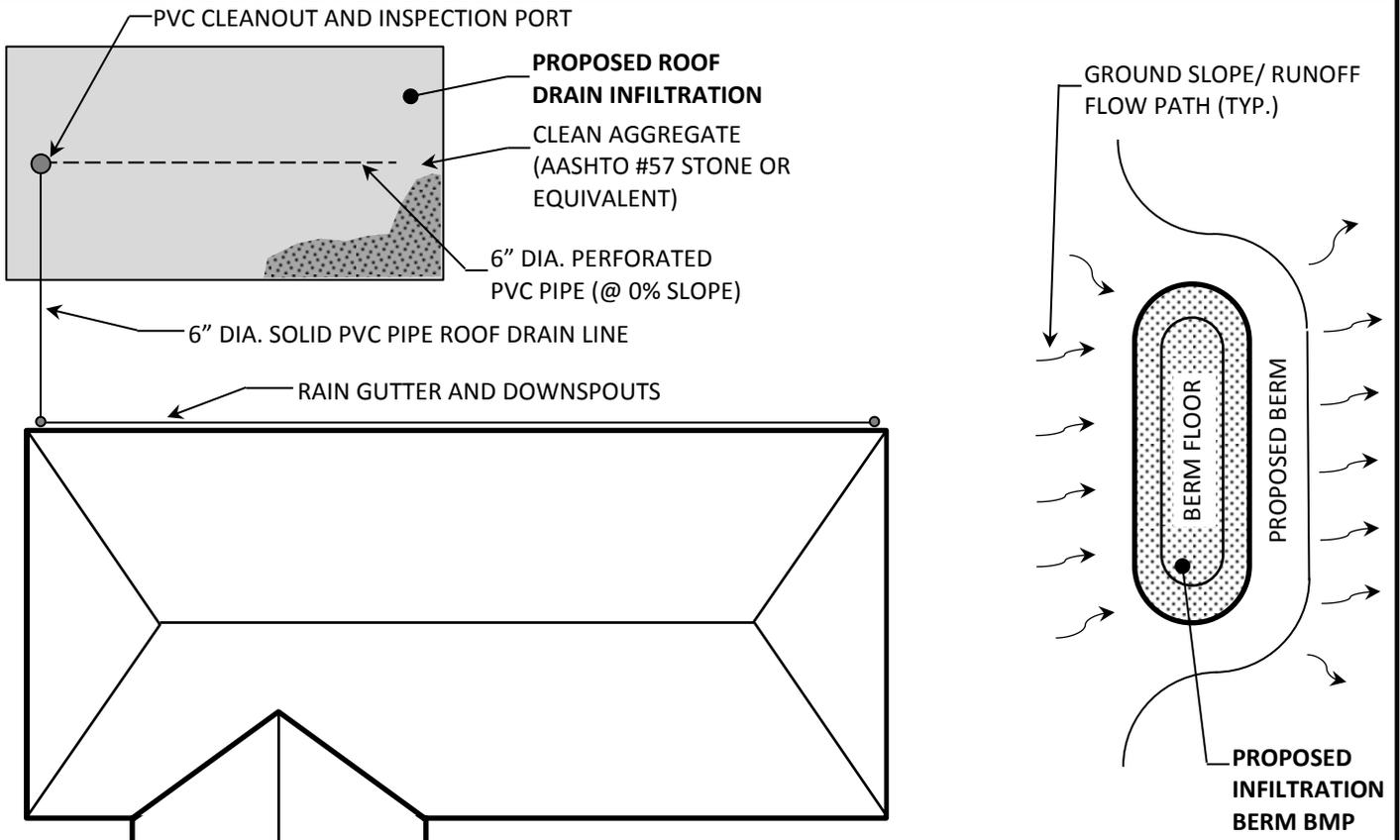
THERE ARE NO STREAMS,
WETLANDS, OR FLOODPLAINS
ON THE PROPERTY.

CONTACT INFORMATION:

PROPERTY OWNER(S)
ADDRESS
PHONE NUMBER(S)
EMAIL ADDRESS



REVISIONS	PLAN PREPARATION		SAMPLE SITE SKETCH PLAN	SCALE: AS SHOW
	DRAWN BY:	DATE:		LEVEL 1 STORMWATER MANAGEMENT PLAN MILLERSVILLE BOROUGH
	DESIGN BY:	CHECKED BY:		



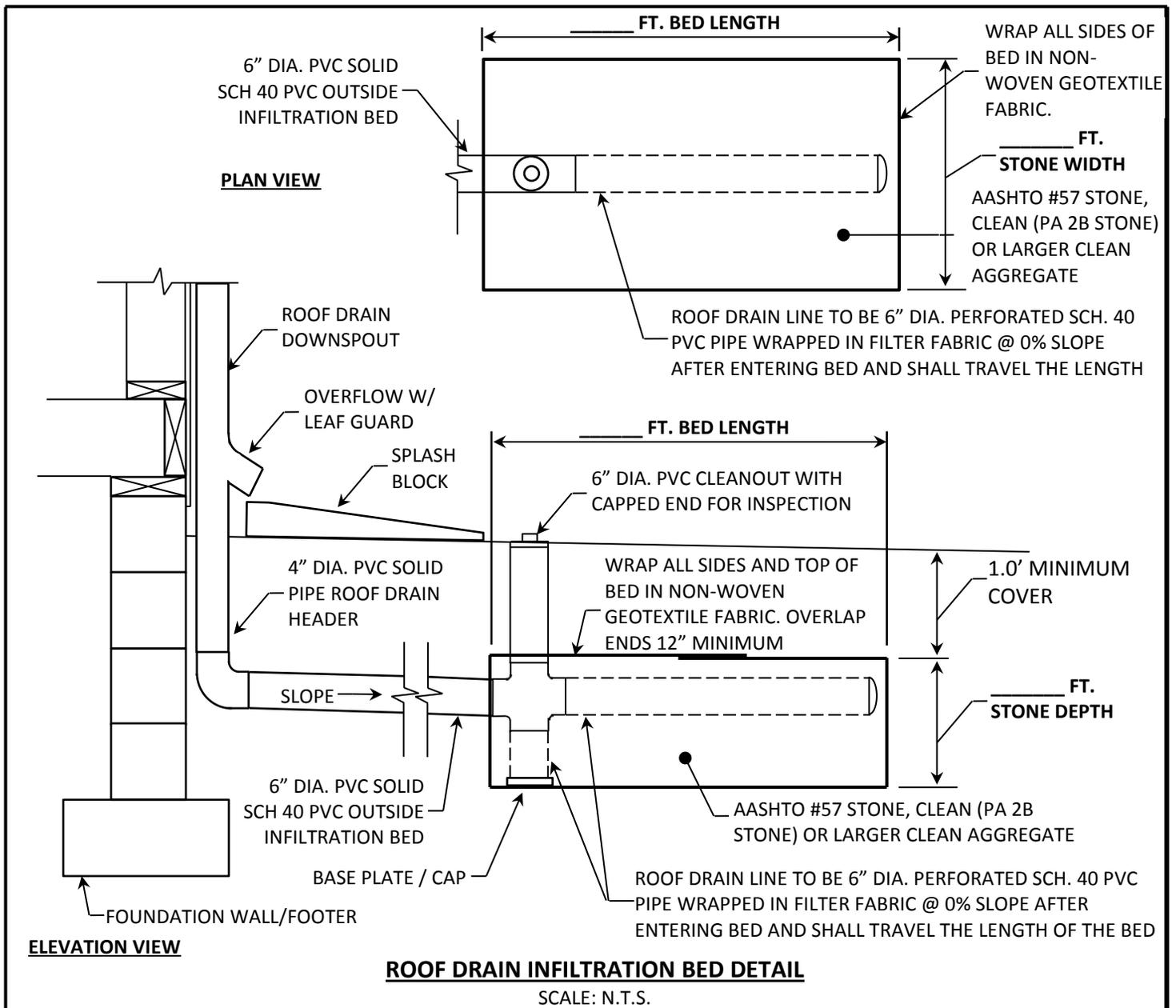
BMP GENERAL LOCATION PLAN
SCALE: N.T.S.

- RECOMMENDED BMP SETBACKS
 10' DOWNHILL FROM FOUNDATION
 100' UPHILL FROM FOUNDATION
 50' FROM SEPTIC SYSTEM AREAS
 50' FROM WATER SUPPLY WELLS

GENERAL NOTES:

1. FOR ROOF DRAIN INFILTRATION BED, ALL ROOF DRAINS SHALL BE PIPED TO THE PROPOSED ROOF DRAIN INFILTRATION BED AREAS.
2. FOR THE INFILTRATION BERM OR RAIN GARDEN, RUNOFF FROM THE IMPERVIOUS AREAS SHALL BE DIRECTED TO FLOW INTO THESE STORMWATER BMPS.
3. THE CONCEPTUAL LOCATION OF BMPS SHOWN ABOVE ARE FOR INFORMATIONAL PURPOSES ONLY. FINAL LOCATION OF ALL PROPOSED BMPS SHALL BE DEPICTED ON THE SITE SKETCH PLAN SUBMITTED TO THE BOROUGH.

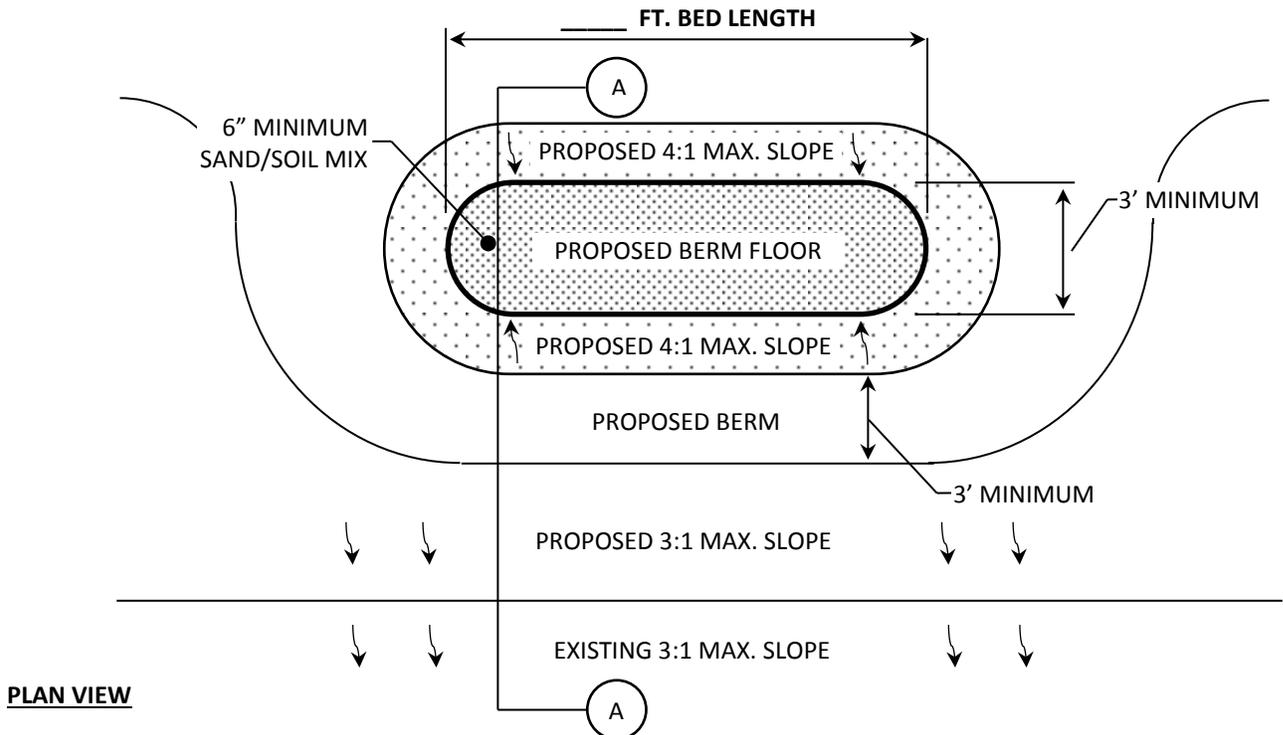
REVISIONS	PLAN PREPARATION		LEVEL 2 BMP CONCEPTUAL LOCATION PLAN	SCALE: AS SHOWN
	DRAWN BY:	DATE:		SHEET NO. 2 OF 5
	DESIGN BY:	CHECKED BY:	SAMPLE STORMWATER MANAGEMENT BMPS MILLERSVILLE BOROUGH	



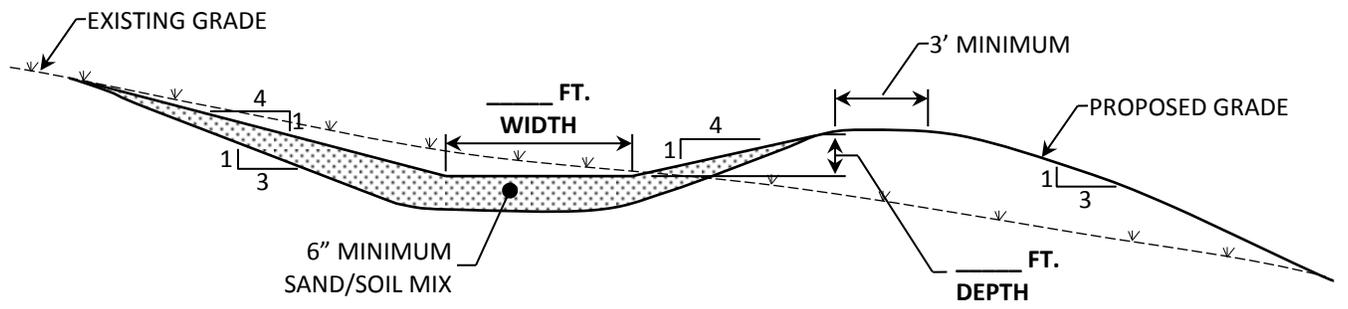
GENERAL NOTES:

1. INFILTRATION BEDS SHALL BE CONSTRUCTED WITH A FLAT BOTTOM.
2. DEPTH OF STONE SHOULD BE 2.5' OR LESS UNLESS SOIL TESTING HAS BEEN PERFORMED.
3. ALL SCHEDULE 40 PVC PIPE SHALL BE ASTM D-1785.
4. ALL ROOF DRAIN LINES SHALL BE SOLID PVC PIPE PRIOR TO ENTERING THE STONE INFILTRATION BED. UPON ENTERING THE BED, ALL PIPE SHALL BE PERFORATED PVC PIPE.
5. LEAF GUARDS ARE TO BE PROVIDED ON GUTTERS.
6. ANY MODIFICATIONS TO THE DEPICTED INFILTRATION BED SHALL BE ONLY AS APPROVED BY THE BOROUGH OR DESIGNATED REPRESENTATIVE.
7. THE BOROUGH SHALL BE CONTACTED PRIOR TO INSTALLATION OF THE INFILTRATION BED TO COORDINATE ANY NECESSARY

REVISIONS	PLAN PREPARATION		BMP – INFILTRATION BED DETAIL	SCALE: AS SHOWN
	DRAWN BY:	DATE:		SAMPLE STORMWATER MANAGEMENT BMPS MILLERSVILLE BOROUGH
	DESIGN BY:	CHECKED BY:		



PLAN VIEW



SECTION A - A

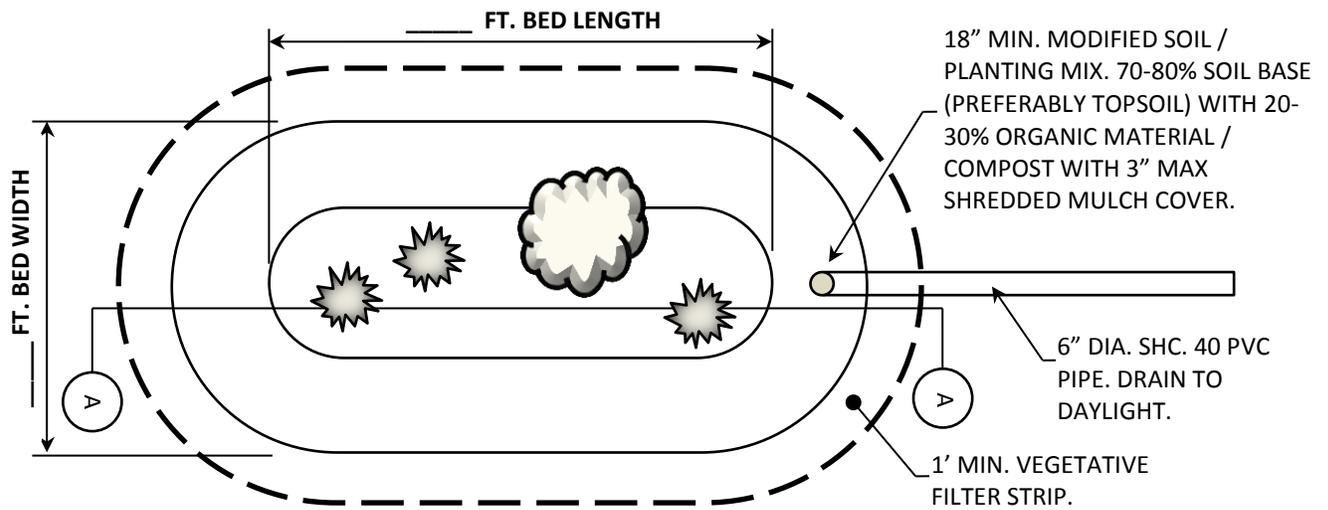
INFILTRATION BERM DETAIL

SCALE: N.T.S.

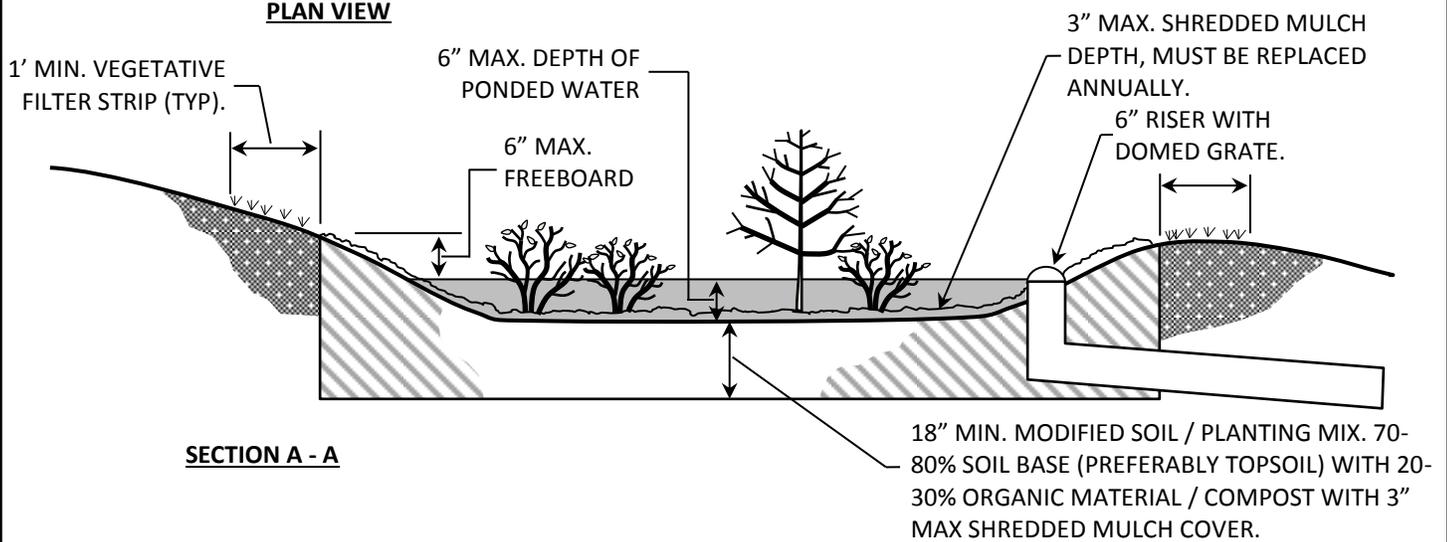
GENERAL NOTES:

1. INFILTRATION BERM SHALL BE INSTALLED WITH THE TOP OF THE BERM AT A LEVEL GRADE ALONG THE ENTIRE BED TO ENSURE AN EVEN OVERFLOW DISTRIBUTION.
2. ENTIRE LENGTH OF INFILTRATION BERM SHALL BE UNDERLAIN WITH SIX (6) INCHES MINIMUM OF A 2:1 SAND SOIL MIXTURE.
3. IF THE LANDOWNER DESIRES, TREES AND/OR SHRUBS MAY BE PLANTED IN THE INTERIOR OF THE INFILTRATION BERM. CARE SHOULD BE TAKEN TO ENSURE THAT ALL TREES OR SHRUBS PLANTED WITHIN THE BERM ARE WATER TOLERANT.
4. ANY MODIFICATIONS TO THE DEPICTED INFILTRATION BERM SHALL BE ONLY AS APPROVED BY THE BOROUGH OR DESIGNATED REPRESENTATIVE.
5. THE BOROUGH SHALL BE CONTACTED PRIOR TO INSTALLATION OF THE INFILTRATION BERM TO COORDINATE ANY NECESSARY INSPECTIONS.

REVISIONS		PLAN PREPARATION		BMP – INFILTRATION BERM DETAIL	SCALE: AS SHOWN
		DRAWN BY:	DATE:		SAMPLE STORMWATER MANAGEMENT BMPS MILLERSVILLE BOROUGH
		DESIGN BY:	CHECKED BY:		



PLAN VIEW



SECTION A - A

RAIN GARDEN DETAIL

SCALE: N.T.S.

GENERAL MAINTENANCE AND NOTES:

1. RAIN GARDENS REQUIRE INITIAL MAINTENANCE TO STAY HEALTHY. FOR THE FIRST 2 WEEKS, WATER THE GARDEN EVERY OTHER DAY (UNLESS IT RAINS).
2. FOR THE FIRST YEAR, THE RAIN GARDEN REQUIRES WEEDING AND ABOUT AN INCH OF WATER A WEEK.
3. REMULCH RAIN GARDEN ANNUALLY. RAKE REGULARLY TO PREVENT WEED GROWTH.
4. ONCE DURING SPRING AND FALL, DEAD VEGETATION SHOULD BE REMOVED FROM THE RAIN GARDEN AND REPLACEMENT PLANTS SHOULD BE PLANTED.
5. A MIX OF TREES AND SHRUBS IS RECOMMENDED FOR PLANTING. A RATIO OF ABOUT ONE TREE FOR EVERY THREE SHRUBS IS RECOMMENDED.
6. UNDER DRAINS SHOULD NOT BE USED EXCEPT WHERE EXISTING SOILS FAIL TO DRAIN SURFACE WATER.
7. ANY MODIFICATION TO THE DEPICTED RAIN GARDEN SHALL BE ONLY AS APPROVED BY THE BOROUGH OR DESIGNATED REPRESENTATIVE.
8. THE BOROUGH SHALL BE CONTACTED PRIOR TO INSTALLATION OF THE RAIN GARDEN TO COORDINATE ANY NECESSARY INSPECTIONS.

REVISIONS	PLAN PREPARATION		BMP – RAIN GARDEN DETAIL	SCALE: AS SHOWN
		DRAWN BY:		DATE:
	DESIGN BY:	CHECKED BY:		