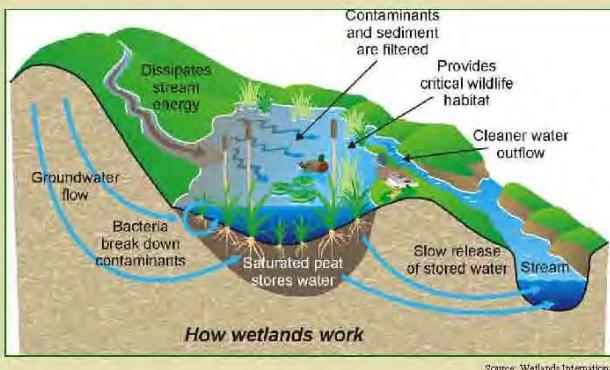


Clearbrook Park

Constructed Wetlands

Constructed wetlands are designed to replicate a natural wetland system and their function of filtering stormwater runoff. The wetlands in Clearbrook Park are constructed with three shallow depressions also known as wetland cells. As stormwater runoff flows through each wetland cell, pollutants settle out. The deep rooted plants help slow the runoff and are effective in removing pollutants.

Pollutants that are transported by runoff as it flows across the landscape are known as non-point source (NPS). Examples include sediment, oil and gasoline which drips from vehicles, herbicides and pesticides used to treat lawns, and pet waste. Some studies have reported as much as 70% of all water pollution comes from NPS pollutants.



You can help to protect local waterways by:

- Planting trees, shrubs and groundcover to prevent soil erosion.
- Minimizing use of herbicides and pesticides on your lawn.
- Properly disposing of household chemicals; such as motor oil, paint, and antifreeze.
- Picking up and flushing pet waste.

This project was made possible thanks to support from the following funders and partners:



Horsham Township

The Beneficia Foundation



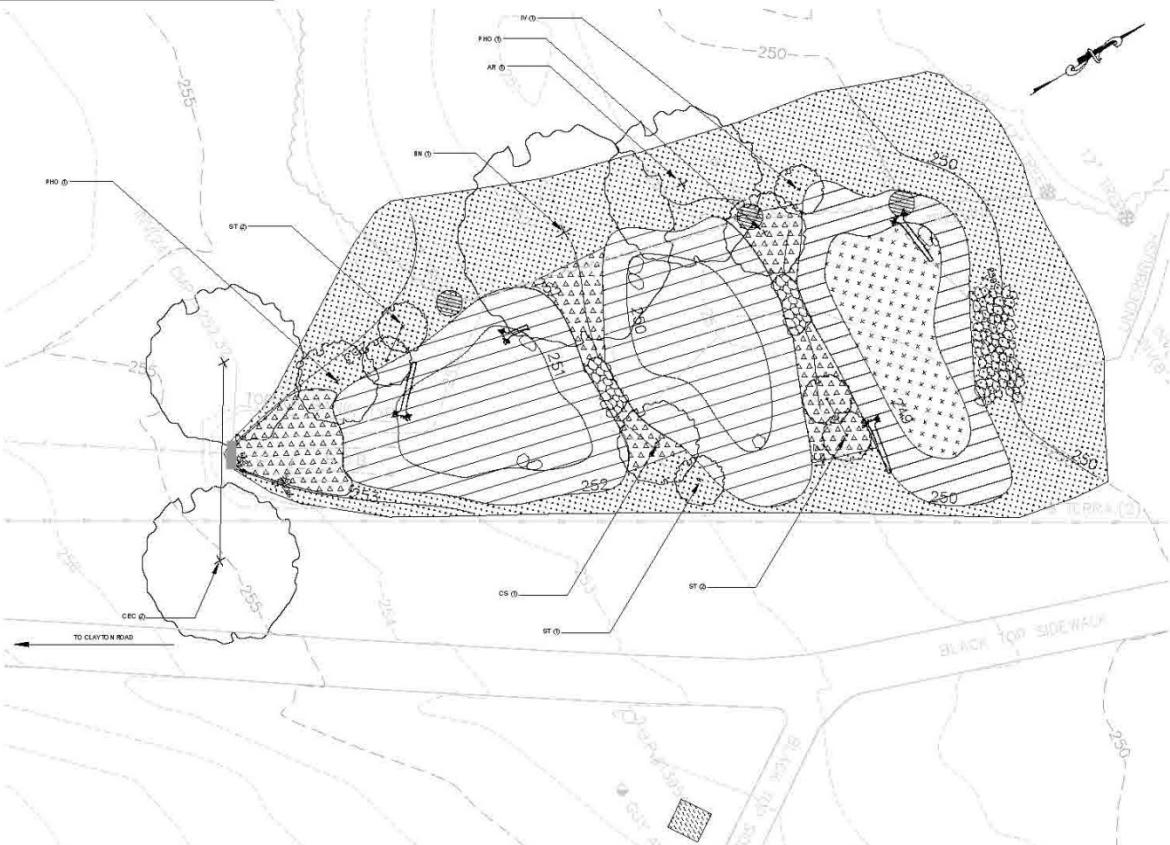
GREEN SPACE ALLIANCE
Office of Watersheds



MONTGOMERY COUNTY CONSERVATION DISTRICT

PACD
PENNSYLVANIA ASSOCIATION OF
CONSERVATION DISTRICTS, INC.

<u>LEGEND</u>	
<u>EXISTING</u>	EDGE OF PAVEMENT INDEX CONTOURS CONTOURS TOP OF BANK SANITARY LINE STORMWATER LINE WOOD ROAD METAL FENCE EXISTING TREE LINE EXISTING UNDER BRUSH LINE GUY ANCHOR UTILITY POLE SANITARY MANHOLE EX. TREE
	
	
	
	
	
	
	
	
<u>PROPOSED</u>	PROPOSED CONTOUR PROPOSED LARGE ROCK DEBRIS PROPOSED ROCK WRECK PROPOSED SOIL ALDER TREES TO BE REMOVED PROPOSED IMPERMEABLE SURFACE
	
	
	
	



HERBACEOUS PLUG ZONE A SCHEDULE

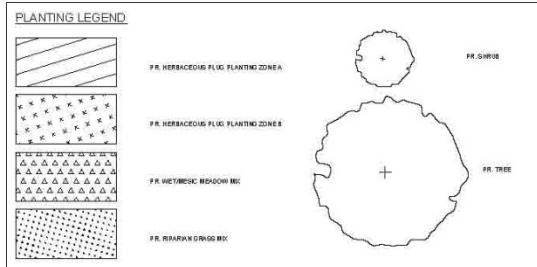
HERBACEOUS PLUG ZONE B SCHEDULE

LATIN NAME	COMMON NAME	QUANTITY

LATIN NAME	COMMON NAME	QUANTITY
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Synonym	Author & Authorship	CD	Janus effect	Gender
<i>Synurus vulgaris</i>	Vigorelli 1877	16	<i>Synurus cyaneus</i>	Woolly beard
<i>Carex laevigata</i>	Forst. 1775	18	<i>Luzula cyathularia</i>	No Crayfish
<i>Oxalis stricta</i>	Desh. 1782	13	<i>Oxalis stricta</i>	Turk's Cap
<i>Aesculus hippocastanum</i>	Siebold & Zucc. 1835	10	<i>Aesculus hippocastanum</i>	No Big

NOTES:
1. PLUGS TO BE SPACED 2 FT APART.
2. ALTERNATE BETWEEN SPECIES WHEN PLANTING.



PLANTING LEGEND



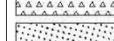
HERBACEOUS PLUG PLANTING ZONE A



PERENNIAL PLUG PLANTING ZONE 8



ETALIC MEADOWS



PARKING PASS MIX



WEI TIME SIC MEADOW MIX	
% SEED	COMMON NAME
20%	Oryzopsis spicata
15%	Glynnia ligulata
10%	Oryzopsis villosa
10%	Carex siccata
10%	Juncus acutus
6%	Aristea ecklonii
6%	Eupatorium cannabinum
5%	Phragmites australis
5%	Syngonanthus angustifolius
5%	Vulpia ciliata
4%	Syzygium australe
4%	Zygophyllum ciliatum

RIPARIAN GRASS MIX	
% GEED	COMMON NAME
1%	Zizaniopsis miliacea
1%	Elymus virginicus
1%	Elymus riparius
1%	Vulpia ciliata
1%	Achnatherus gracilis
1%	Schizachyrium scoparium
1%	Carex stans
1%	Oryzopsis pallens
5%	Panicum virgatum
2%	Panicum capillare
2%	Carex stans
2%	Carex stans
2%	Carex sp. synanthetica
7%	Carex sp. synanthetica

① SEEDING SCHEDULE

OWNER/APPLICANT
GREENSPACE ALLIANCE
123 CHESTNUT STREET
SUITE 401
PHILADELPHIA, PA 19101
(215) 592-7020 (PHONE)

SITE/CIVIL ENGINEER



AKRF, INC.
100 CENTRE BOULEVARD
SUITE 102HJ
MARLTON, NJ 08053
(856) 797-9930 (PHONE)
(856) 797-9932 (FAX)

REVISIONS:	
DATE	DESCRIPTION
04/02/10	REVISED PLANTING PLAN & SCHEDULE
04/05/2010	REVISED PLANTING PLAN & SCHEDULE

**CLEARBROOK PARK
STORMWATER MAINTENANCE
FACILITY**

CITY OF DORSHAM, MONTGOMERY COUNTY
COMMONWEALTH OF PENNSYLVANIA

DRAWN BY MRB	CHECKED BY
AS SHOWN	DATE 06/16/09

SHEET TITLE
LANDSCAPE PLAN

SHEET NO.

3

SHEET 3 OF 7

Plant Species



1100 plugs of 13 different species

Funding

The funding for the wetland planting came from a Pennsylvania Association of Conservation Districts Non Point Source program mini-grant and from the TreeVitalize Watershed program.

Work Events

May 1st, 2010 – Volunteers from the 2nd annual Blair Mill Watershed Day event planted 20 trees and shrubs, and 650 plugs in the wetland cells.

May 7th, 2010 – Students from Blair Mill Elementary School planted the remaining 450 plugs





Students received a lesson on NPS pollution and wetland planting.







