SEPTA FRONTIER
BUS DEPOT IMPROVEMENTS AND ENVIRONMENTAL ENHANCEMENTS

SECTION DIAGRAM

RAINFOLDER HARVESTING FEATURES
1. Rainwater captured by roof drains and downspouts.
2. Captured water transferred to underground storage tanks.
3. Two 50,000 gallon underground storage tanks.
4. Rain water is filtered prior to being pumped to the bus wash building.
5. Filtered rain water is pumped to the bus wash building.
6. Filtered rain water and recycled bus wash water is used to wash buses.

GENERAL SUSTAINABLE FEATURES
A. Added roof insulation reduces energy use.
B. New mechanical and lighting systems reduce energy use.
C. Estimated 1 million gallons of fresh water savings annually.
D. New white roofing and concrete paving reduce the heat island effect.
E. Existing asphalt will be recycled and used as fill to regrade project site.
F. Shop trench drains connected to oil/water separator for contaminant removal.
G. Reduction in potential flooding in stream and tributaries and the associated erosion.
H. Continuing use of existing facilities reduces pressure on open lands, reduces landfill needs, and reduces new material needs.
I. New drive through snow removal equipment to efficiently meet snow removal regulations while improving SEPTA on time schedule performance during snow events.