



National Zoo Asia Trail
Phase II Green Roof,
N.W., Washington DC



Date Installed: August 2012
Roof Size: 3,988 sq. ft.
System Design: 4" extensive build up system with pre-vegetated sedum mats on top of hot rubberized asphalt membrane
Greenroof Installer: Capitol Greenroofs.
General Contractor: HSU Development
Roofing Contractor: DJB Contracting, Inc.
Address: The National Zoological Park
 3001 Connecticut Avenue, N.W.,
 Washington DC 20008

Above: A telescoping forklift was used to get much of the materials to the roof of the elephant house. Root barrier, insulation, Drainage mat, and aluminum edging were installed before the soil was brought up. An eighteen inch stone ballast vegetation free zone went around the green roof areas.

Right: A crane was used to bring the growing media to the roof. Five gallon buckets were used to transport the growing media once on the roof. Filter fabric was installed along all the aluminum edge restraints to prevent it from mixing with the stone ballast.



Left: The pre-vegetated sedum mats consisting of nine different varieties are being unrolled and installed. The roof is slightly sloped and therefore the mats were necessary to help prevent any erosion from occurring. Once the green roof was complete a temporary irrigation system was installed to help with the establishment period. Capitol Greenroofs currently maintains the green roof.

For additional, questions concerning the installation and maintenance of this system please contact the project manager (Andrew Stanton) at 321.795.7818.