



The Falcon Group

ENGINEERS, ARCHITECTS AND ENERGY CONSULTANTS



New Mark Commons Homes Community

Asphalt Pavement Reconstruction with Concrete Repairs and Storm Drainage Improvements

PROJECT LOCATION

Rockville, MD

BUILDING TYPE

384 Townhome Dwellings

PROJECT VALUE

\$720,000

New Mark Commons Homes Community located in Rockville, Maryland is comprised of 384 Townhome Dwellings.

Falcon was retained to provide all Construction Phase engineering services, including project administration, inspection, approval and close-out services for the milling, patching, reconstruction, storm drainage improvements and concrete repairs at 6 of the community neighborhoods.

After the existing pavements were milled down, Falcon walked the base surfaces with the Contractor to mark out the limits of structural patching and identify linear cracks and seams to receive geotextile fabric reinforcing prior to paving operations.

Falcon also walked all concrete sidewalk, ramps and curb / gutters with the Contractor to mark out sections for replacement.

Corrective work included sections of segmental block retaining wall, new underdrains, and storm sewer inlet repairs.

Expensive full-depth structural patching of the existing milled base course was minimized through the use of large area reinforcing geotextile fabric overlay embedded into hot liquid asphalt cement where conditions permitted.



Additionally, together with the Contractor, Falcon was able to inspect the conditions at the bottom of a sink hole at the basketball court and specify a geotechnical separation fabric prior to backfilling to help stabilize the new materials above the wet clayey soil below.



BEFORE



DURING



AFTER