



## Formosa Park

Vegetated roof caps underground parking garage

West Hollywood, California

**Creative thinking develops green space where none existed.**

Lacking open land but required to meet federal regulations for the Green Earth Initiative, the City of West Hollywood began allowing developers to incorporate a city park within their new housing complexes. Members of the city's Engineering Department consulted with Tremco's Sustainable Technologies Group Specialist Dave Allen and Senior Field Advisor Jim Gilday, and KSA Architects of Santa Monica, CA, to develop a vegetated roof assembly that would be installed at street level over an underground parking structure. The green space that the roof creates is now a "Neighborhood Park," and is one more step toward attaining the city's Green Earth Initiative compliance.

Completed before the VR project began, the underground garage provided the decking for roof assembly. The waterproofing component of the roof system, a Tremco THERMastic 150 assembly, was installed complete with a root barrier and TPA fleece-backed membrane as a cap sheet. Feature walls were installed followed by the Electronic Vector Field Mapping (EVFM) leak detection system, which can pinpoint leaks in the rare event they occur. After testing the EVFM system, the Waterdrain VR drain board was installed, followed by the conduit, irrigation system, metal counterflashing and the engineered growing media. Plants chosen specifically for the micro-climate were installed and the areas dressed for final presentation.

The 5200 square foot project has been a major success. By providing new green space within the city limits, it helps the City of West Hollywood comply its Green Earth Initiative; it also helps reduce the "urban heat island" effect generated by the many heat-absorbing black surfaces in the city, such as streets and traditional rooftops. As a park, it provides a place where families and friends can get outside and enjoy the open air. Overall, the city is so pleased that it is using the same solution at other locations.

Tremco's commitment does not end at developing the solution and installing the roof. An intensive vegetated roofing warranty provides regular scheduled housekeeping and maintenance to ensure that the roof performs for the city and the residents long into the future.

**Tremco Representatives:**

Dave Allen, Sustainable Technology Specialist

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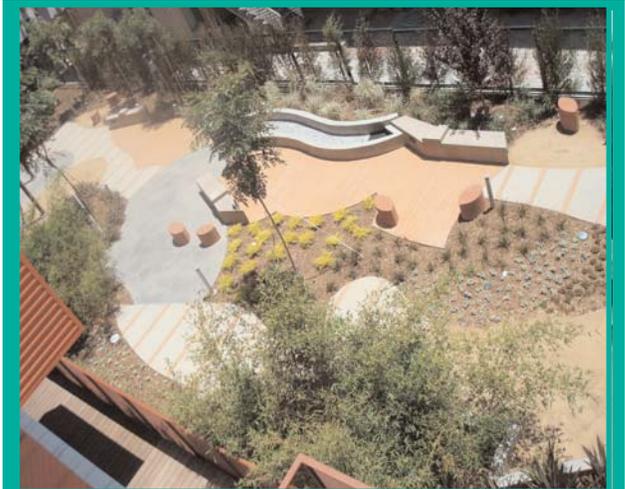
Jim Gilday, Senior Field Advisor

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**Contractor:**

Best Contracting

Gardena, CA



**Vegetated Roofing System**

- Durable waterproofing assembly with specially selected vegetation appropriate to area
- Integrated leak detection, irrigation
- Improves air quality
- Reduces storm water runoff
- Provides green space for public use
- Reduces Urban Heat Island effect