



CONTRACTING SPECIALISTS
INCORPORATED

PROJECT PROFILE

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Cleveland Terrace - Washington, DC

Restoration of two-level parking deck below residential condos

DESCRIPTION:

The Cleveland Terrace parking garage was compromised due to serious structural issues on two levels of parking decks. Heavy concrete deterioration, combined with unforeseen conduit led to water infiltration and slab deterioration. The garage needed a heavy-duty traffic-bearing membrane. Voided area on slab on grade (SOG) was also a major structural issue.

THE CSI SOLUTION:

CSI was contracted to provide successful concrete repairs and the application of a heavy duty traffic bearing membrane. Working closely with the project owner and engineer, CSI provided cost-effective and innovative solutions, conducting bi-weekly progress meetings to ensure all parties were pleased with the work.

The CSI team successfully overcame these challenges and provided these innovative solutions:

- Controlled dust, since the garage had no ventilation.
- Maintained optimal accommodation for residents, since the condominiums are located directly above the parking garage.
- Developed a system to gravity-feed multiple cubic yards of grout to the SOG voided area, to stabilize the slab without compromising it with too much pressure. Using a funnel system and vibration techniques, the CSI team correctly dispersed grout to the proper locations.
- Met a tight schedules. CSI worked with the project owner and engineer to develop and adhere to a strict schedule, ensuring that tenants could soon regain the use of their parking spots.



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