

Concrete

Concrete Removal & Replacement

As concrete progresses through its lifecycle, cracks and holes may form. The most effective form of concrete repair is to remove and replace the deteriorated area.

We will saw cut the perimeter of each affected area(s). The depth of the removal is dependent on the thickness of the concrete as well as load demands on the surface. The saw cuts will begin at the nearest control joint.

We will excavate below existing grade and the material will be removed from the job site and properly disposed of.

After compacting the sub-base, we will furnish and install specified inches of crushed aggregate stone base. We will then grade the stone, verifying the depth. Once at the specified depth, the exposed base material will be re-compacted using a vibratory roller compactor to ensure a solid base for replacement of concrete.

We will form and pour the specified inches of concrete over the given area(s). The concrete is reinforced with wire mesh and/or iron re-bar to increase tensile strength. Wire mesh also helps to stabilize the concrete by preventing cracks or joints from opening or shifting vertically. Expansion and control joints will be furnished to control cracking and allow for future expansion and contraction. The surface will then be hand-trowelled or brush-finished.



Curing

The concrete begins to cure as soon as the mix is exposed to open air. Traffic should be re-routed around the affected areas for 4 to 7 days to ensure proper curing.



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