Concrete Drill Pattern

Hole Diameter 1½”-1¾”  
Space 1’-2’

When vertical drilling is difficult, drill horizontal holes with some slope.

Reinforced Concrete Drill Pattern

Hole Diameter 1¾” Space 8”-10”  
Hole Diameter 1½”-1¾” Space 1’-1¼”

If removal is by hand, consider grid that makes drilling through rebar easiest. Since most rebar is placed on 6” increments, hole pattern should reflect this. Best is usually 1 foot centers. Drill starter hole in concrete 6 to 8” in from edge, once you establish rebar location, lay out holes in increments to miss rebar. Much more effective than laying out a pattern, having driller hit steel and then compensating for rebar. Hole diameter and spacing depend on both quality and shape of the reinforced steel.
Concrete Drill Patterns

Concrete
Hole Diameter 1½”-2”
Space 1’8”-3’

Reinforced Concrete
Hole Diameter 1½”-1¾”
Space 1’4”-2’

Fill in Holes
Fill these holes after delaying.

Concrete
Hole Diameter 1½”-2”
Space 1’8”-3’

Reinforced Concrete
Hole Diameter 1½”-1¾”
Space 1’4”-2’

Mass Concrete
Bridge Pier and Foundation etc.

Pile Foundation

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