



First Bank Place
Minneapolis, MN

Design-build earth retention systems allowed a 50-foot-deep excavation to be constructed in downtown Minneapolis, MN. This excavation required the installation of wall line sheeting consisting of 105 drilled-in soldier beams socketed into rock, 56,000 square feet of lagging, and 388 pressure-injected tiebacks. In addition, the existing Minneapolis Athletic Club Buildings required extensive underpinning of the shallow footings down to top of rock. The underpinning consisted of roughly 1,050 linear feet of hand-dug concrete-filled piers and 30 post-tensioned concrete beam sections.

Owner: IBM
 Construction Manager: Opus Corp.
 Architect: HKS, Inc.
 Sitework Contractor: Glen Rehbein Excavating, Inc
 Earth Retention Subcontractor: Schnabel Foundation Company

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