

Case Study: High School Addition, Denver CO - Underpinning and



Problem: This historic structures new addition construction requires an excavation to 12' beneath the existing foundation footing to accommodate the new basement and elevator shaft.

Solution: Park Range Installed 20 vertical underpinning helical piles designed to support the building foundation and soil excavation depth. Installed 22 horizontal soil nails with Tecco Mesh soil shoring system to restrain the vertical soil cut beneath foundation footing.



PROJECT SUMMARY

GENERAL CONTRACTOR - FRANSEN PITTMAN

OWNER - ST. JOHN PAUL THE GREAT CATHOLIC SCHOOL

FOUNDATION UNDERPINNING / SOIL SHORING DESIGN

MAGNUM GEOENGINEERING

GEOTECHNICAL ENGINEER - KUMAR & ASSOCIATES

ARCHITECT - MOA



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**Certified WOSB, M/WBE, DBE & SBE
Contractor
ICC Approved Helical Piles.**