



Hard Ground Press-in Method



Z Sheet Pile Press-in Method



△ Sheet Piling Situation



△ Piling Nearby Sidewalk



△ Night Shift Piling Next to Shops

Project Name	Canarsie Tunnel Rehabilitation and Core Capacity Improvement
Purpose of Project	Support of excavation for clean up and new subway entrances
Location	East 14th Street, New York, NY, UNITED STATES
Project Owner	Metropolitan Transportation Authority New York City Transit
Main Contractor	Judlau / TC Electric JV
Piling Contractor	Judlau Contracting, Inc.
Duration	December 2017 to April 2018
Press-in Machinery	Silent Piler F401-Z1400 with Auger System
Pile Section & Length	Z Sheet Pile AZ19-700/AZ40-700N, L=33.0-46.0 ft (10.1-14.0m)
Features & Remarks	<ul style="list-style-type: none"> - Press-in method utilized to avoid any damages to existing utilities - Press-in method utilized for night shift piling due to low noise - Crush auger system utilized to go through obstruction layer - Sheet pile installation was 4 feet away from existing buildings - Sheet pile wall utilized instead of secant wall due to cost and time

