

Attachment 'A'

Exclusions & Conditions for Micropiles

Owner/General Contractor to perform and/or provide the following items:

- a. De-watering as required, including cofferdams and pumping, to allow MCSI to safely and adequately perform scope of work prior to MCSI arriving on site.
- b. Surveying and layout of location and elevations of all micropiles prior to MCSI's arrival. MCSI requires that all locations and elevations be marked with offset stakes in such a manner that the markings are not obliterated during construction.
- c. Locate, protect, remove, or relocate any and all underground or overhead obstructions as required.
- d. Provide special protection of adjacent structures, equipment and other objects (including covering such items with plastic sheeting to protect from drilling discharge/spoils grout and mud splatter). Any existing wall, window, or other articles in the immediate vicinity of this scope of work must be covered and protected from the shotcrete, grout, and mud splatter.
- e. MCSI does not perform excavation. Provide all excavation to a neat line within **0.05 feet** and filling of all voids of greater depth. MCSI may provide a change order for filling these voids if required.
- f. MCSI may provide a change order for additional grout if the total number of bags of portland exceeds **364 bags**. Portland used for micropile/soil nail grout is calculated based on the diameter of the hole plus 0.5" permeation into the surrounding soils times the length of micropile/soil nail plus 15% contingency.
- g. Provide clear access to all areas of construction including an 15 foot wide by 18 foot high opening in the area. All areas will be free from all subsurface and above surface obstructions, which might interfere with MCSI's scope of work. Working grade, access ramps and benches will be firm, stable, level, and capable of supporting efficient movement of equipment and mixer trucks. Provide gravel, mats or steel plates required to distribute loads on existing surfaces and moved about the site at no cost to MCSI for the duration of MCSI's scope of work.
- h. Provide adequate area for setup and material storage on site, and access into the work area for drilling rig and equipment.
- i. Provide control and disposal of water and grout used for drilling and grouting operations. Provide clean up, removal, and disposal of spoils (grout material and water) as necessary and clean up area on site for equipment and tools.
- j. Provide potable water on site for filling water wagon provided by MCSI for drilling, grout mixer and clean up, approximately 500-1000 gallons a day or pressurized water within 100 feet of work areas.

Clarifications:

Exclusions and items to be performed and/or provided by others:

a. Excavation; Barricades; Rebar safety caps; Pedestrian and traffic control; Street cleaning, Dust control, Geotechnical/Soils engineering; Boulder/Rock blasting or splitting; Over excavation & stabilization of soft areas as required; Surveying grade elevations as well as post construction surveys as required; Materials testing as required (grout, concrete, shotcrete, etc.); Sanitary facilities; Lifting or hoisting by crane if required; Storm-water management and control; Removal of concrete or shotcrete; Removal of existing subsurface structures or shoring elements; Permits or fees; Repairs to existing facilities or structures; Plumbing; Electrical; Bonding; Painting or sealing; Cosmetic repairs; Removal and replacement of landscaping and/or irrigation system; Removal and replacement of owner possessions or goods; Weather protection (protection from ground freezing, ground thawing, frost prevention or removal, construction of tenting, heating, snow removal for access and work, blankets, and hot water if required) and any items NOT included in MCSI's scope of work.

Owner/Contractor signature

Date: _____

Mays Construction Specialties, Inc.

Date: _____