City of Tempe
Community Development
Building Safety
PO Box 5002
Tempe, AZ 85280
480-350-4311
www.tempe.gov

SHORING PLAN CRITERIA

Project Name: _____

Project Address: _____

Project DS/EN Number: DS_____ EN _____

Engineer of record (ENG) must check boxes in the first column as either "Addressed" or "N/A" (Not Applicable).

Engineer's Signature: _____

Engineer's Name: _____ Date: _____

Civil plan reviewer (RVW) shall check the second column as **X** (Required)

City Plan Reviewer: _____ Date: _____

Email: _____ Phone: _____

ENG / RVW

ENG	RVW	
☐	☐	Use bold letters for following note on cover sheet: Contractor to provide weekly deflection reports to engineering inspector.
☐	☐	Use bold letters to show conservative safety factors on plan. Example: Supports for concrete forms under unstable wet weights have long been required to adhere to minimum limits of 2.5-1.0 for framed shoring and 3.0-1.0 for single post shoring.
☐	☐	Show and dimension circle to demonstrate 4' clearance around utilities.
☐	☐	Label and dimension right-of-way.
☐	☐	Show all lot dimensions, widths of easements, right-of-ways, bearings and distances per Engineering Design Criteria, p. 17, note 16.
☐	☐	Provide documentation that adjacent owner is allowing nails to encroach onto their property in case land is sold. This is a notarized letter.
☐	☐	Show zone of influence on plans. This is the extent of pressure beyond the nails.
☐	☐	Soil Nails: a. Soil nails set to 2-feet below lowest utility within the right of way, public utility easement and/or City water/ sewer/ storm drain easement at the point where the soil nail enters the right of way or public easement. b. Specify fiber glass soil nails for any soil nail within the right of way, public utility easement and/or City water/ sewer/ storm drain easement that is set at a depth of 8-feet or less. c. Steel soil nails should be close as possible to a 10-foot depth or greater (where it enters into right-of-way or easement). d. Provide a minimum 4-foot clearance to City utilities.

☐ ☐ Alternatives to the Criteria:
If requesting clearances less than the minimum 4-foot clearance to storm drain or sanitary sewer lines - Contractor to provide video of pipeline showing condition of the pipe prior to installation of soil nails and after soil nails have been tensioned. For water lines, the water line needs to be shut down for the period that soil nails are being installed and tensioned. A leak detection assessment of the waterline needs to be provided to the City for both prior to installation of the soil nails and after the soil nails are tensioned.

☐ ☐ Alternatives to the Criteria:
For stub outs of sewer lines - the stub out needs to be plugged at the manhole. Contractor to provide video of pipeline showing condition of the pipe prior to installation of soil nails and after soil nails have been tensioned.

☐ ☐ Alternatives to the Criteria:
A letter (sealed by Professional Civil Engineer) is to be provided to the City that states the clearances to the soil nails of less than the City criteria will not result in damage to existing City and non-city utilities.

☐ ☐ Shoring Plan will be issued under a DR permit.