

SHORING PLAN

1/1/2017

You are responsible for verifying and accurately depicting all locations and dimensions of property lines; setback distances; and the location and width of streets, rights-of-way, and easements. The City may require additional information as needed. For preparation information, see City information Sheet on *Standards for Plans and Drawings*. If you have any questions concerning your application submittal, please visit or call Permit Processing (425-452-4898) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4 Assistance for the hearing impaired: Dial 711 (Telecommunications Relay Service).

1. Civil Drawings:
 - a. Legal description of the property
 - b. Property lines: compass bearing and distance
 - c. Bench mark
 - d. NAVD88 vertical datum
 - e. Public and private roads contiguous with the project site, and the location of:
 - (1) Centerline (as built)
 - (2) Right-of-Way (both sides)
 - (3) Curbing (or paving edge)
 - (4) Curb cuts
 - (5) Sidewalk(s)
 - (6) Wheelchair ramps
 - (7) Street trees
 - (8) All surface hardware
 - (9) All below-grade utility lines
 - f. Easements: Diagram and label all easements that overlay, abut, or affect development of the project site, including appropriate dimensions and explanatory notes.
 - g. Contours: Show at two-foot intervals, extending 25 feet beyond the site. For areas with less than 5% slope, one-foot contours may be required.
 - h. Spot elevations
 - (1) For the top and bottom of all existing walls (rockery, retaining, etc.), at the ends, corners, and high and low points.
 - (2) At all property corners.
 - (3) Along R.O.W. centerline and curb (measurements at 25 feet O.C.).
 - (4) At the corners of all structure exterior walls.
 - i. Utilities: Locate below-grade and all surface hardware.
 - j. Structures: Provide the locations and "footprint" of all existing structures. Reference Land Use Code 20.50.046 for a definition of "structure".
2. Shoring Plan: Show location of soldier piles. Provide a numbering system and provide clearance to the property lines and utilities.

(OVER)

3. Shoring Elevations and Profiles

- a. Show the location, spacing, depth, and elevations of soldier piles.
- b. Show profiles of soldier piles along with tie-back rods, soil nails, or another anchoring system which is intended to remain in the public place or on an adjoining property after the completion of construction.
- c. Include detailed shoring plans that are prepared by and bear the seal of a structural engineer licensed in the State of Washington. The plans must describe the shoring system, including the members, their connections and supports, and how they are designed to carry the loads imposed upon them.
- d. If the plans show an encroachment upon the property interest of an abutting owner or franchise holder in a public place, the Building Official may require the applicant to provide the consent of the affected person as a condition of the issuance of the permit.
- e. For any work within the right-of-way, a Right-of-Way Use Permit must be applied for and received prior to approval of a shoring permit.

4. Structural Notes and Specifications

- a. Provide design parameters and material specifications.
- b. Provide engineering recommendations for installation of anchoring systems, including detailed monitoring, testing, and inspection programs for all, but not limited to, the following activities:
 - (1) Installation of soldier piles.
 - (2) Installation and testing of tieback anchors.
 - (3) Shoring system displacement and settlement monitoring system.
 - (4) Post-tensioned or prestressing steel; special inspection required during prestressing and grouting operations.
 - (5) Concrete placement: special inspection required.
 - (6) Steel fabrication & erection: special inspection required.
 - (7) Geotechnical engineering and surveying information gathered weekly.
 - (8) Verification of depth and location of utilities, including power, water, and sewer prior to anchor drilling.

5. Foundation Plan and Elevations:

- a. Show the location and site of foundation pads for the future proposed structure, including the foundations of adjacent properties.
- b. Provide profiles of proposed foundations adjacent to shoring structures and/or abutting the public R.O.W.