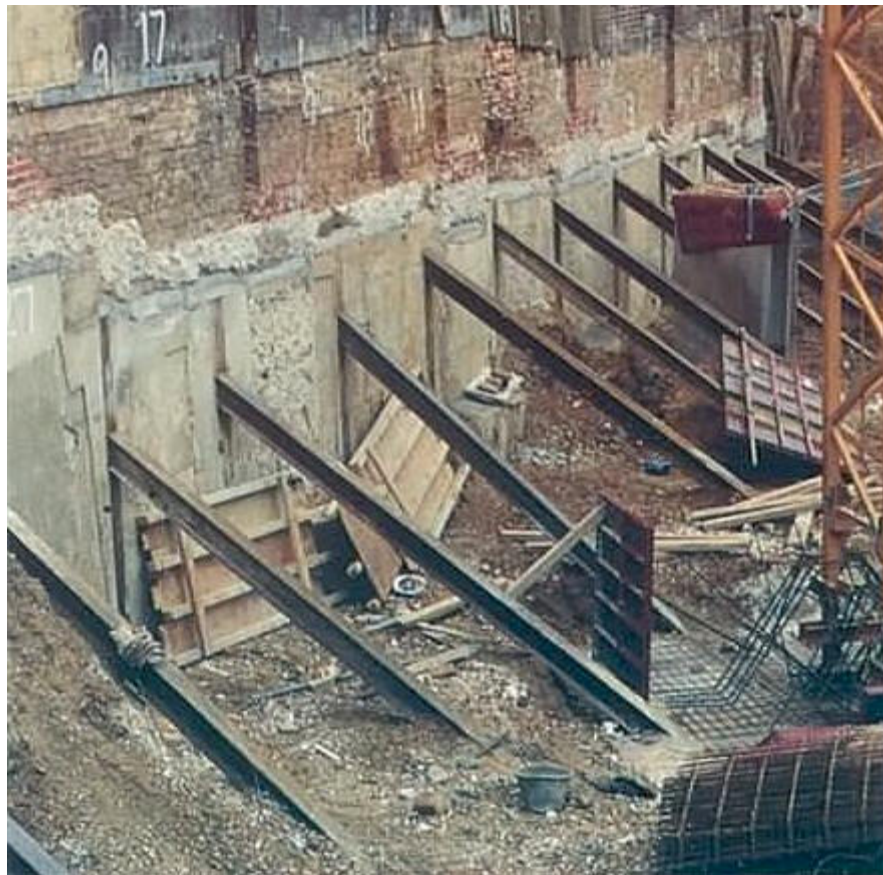

	ATLAS FOUNDATIONS OF WASHINGTON, LLC Engineered Solution For Your Foundations Problems	Doc. No. ENG-03
	Content: <p style="text-align: center;">UNDERPINNING</p>	Page 1 Of 3

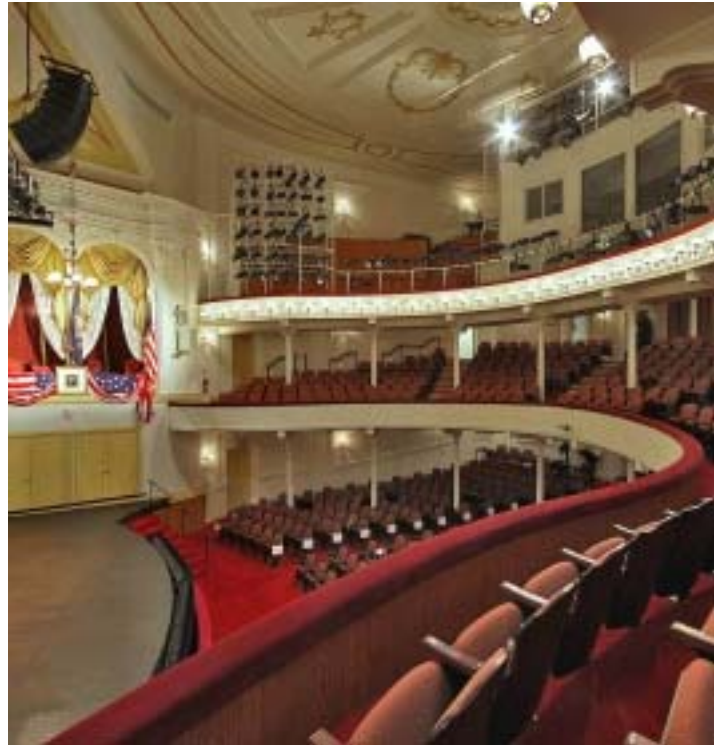
If you have a conventional concrete underpinning project, we are well suited to the task. Conventional underpinning is the process of making small excavations under existing footings then filling the excavated area with concrete. Underpinning typically occurs:

- When you are protecting the foundation from an adjacent excavation.
- When the existing footing is deteriorated and failing.
- When the bearing (soil) beneath the footing has eroded or sunk.

If it is necessary to reinforce or support the existing building during construction, no problem. We can design a support system using steel, piers, or tieback anchors.



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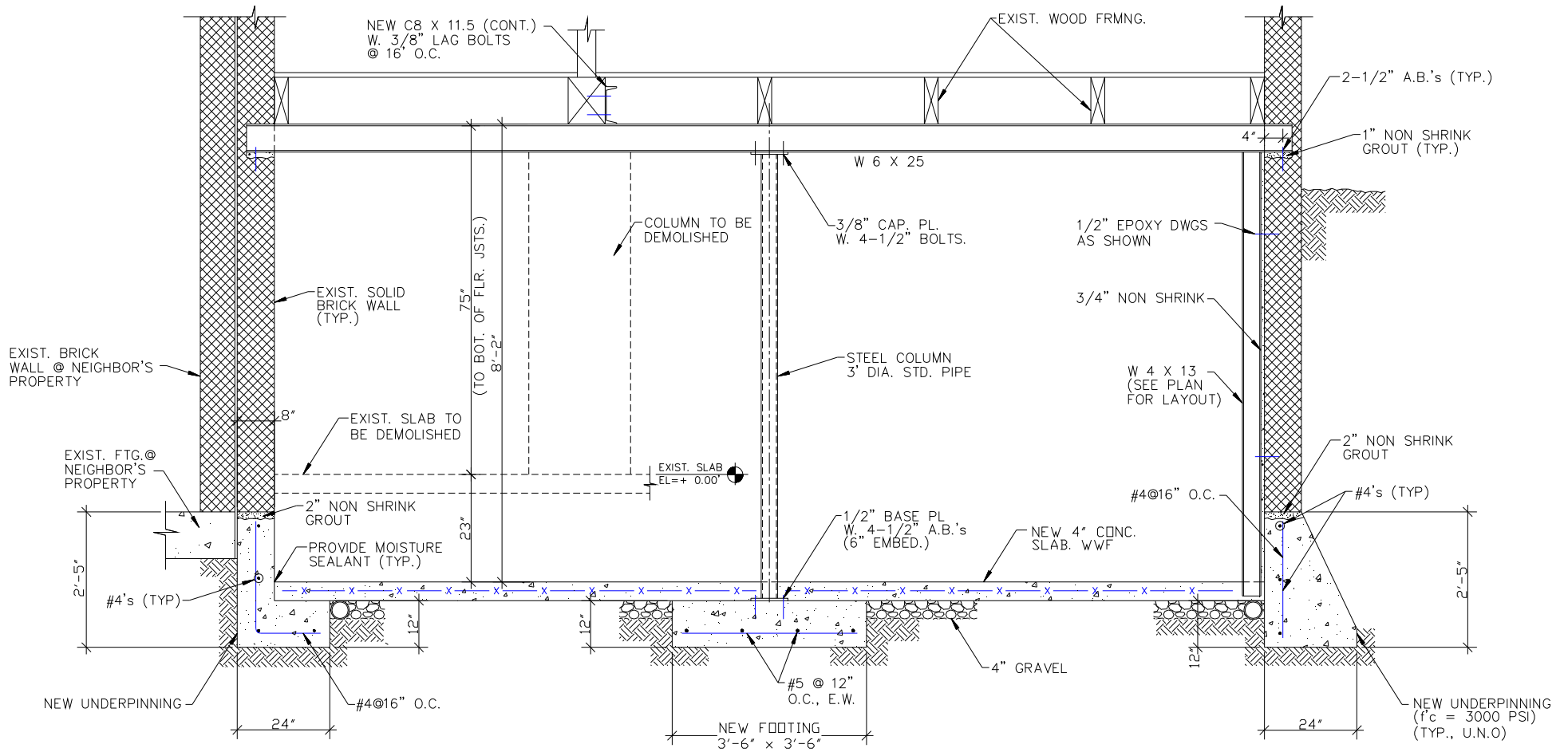


- Ford's theater new restroom area- 2009 Restoration – Forrester Construction

In addition, underpinning is also commonly used in residential projects for basement or house enlargement. If you want to increase the height of your basement or doing a new basement in your crawl space we can help you (See typical drawing). Atlas has a human team with the enough expertise for doing it.

Next time you have a difficult foundation or shoring problem, give us a call.

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A TYPICAL SECTION
S-2 $\frac{1}{2}'' = 1' - 0''$

(*) FOUNDATIONS DESIGN IS BASED ON ALLOWABLE SOIL BEARING VALUE OF 2000 PSF.

	ATLAS FOUNDATIONS OF WASHINGTON, LLC Engineered Solutions For Your Foundations Problems	Project:	Townhouse
	Content: BASEMENT UNDERPINNING ENLARGE – TYPICAL SECTION	Date:	06-2008
		Address:	Washington, DC
		Doc: ENG-03	Page: 3 of 3