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Department of Architectural Technology

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ARCH	1240 METHODS OF CONSTRUCTION IN ARCHITECTURE	
NAME	Date:	
QUIZ 3:		
1.	Describe a situation where underpinning is required.	
2.	What is the purpose of a perforated pipe placed adjacent to the footing?	
3.	What is the most common type of retaining wall structure for retaining walls taller than 3'?	
4.	Describe a caisson foundation.	
5.	What is a drainage mat?	

6.	What is a mat or raft foundation?
7.	Why is sand or gravel used as a backfill material?
8.	Name 2 factors that affect the choice of a foundation type.
9.	What type of deep foundation is driven into the soil?
10	. What is the purpose of the bell on a caisson?