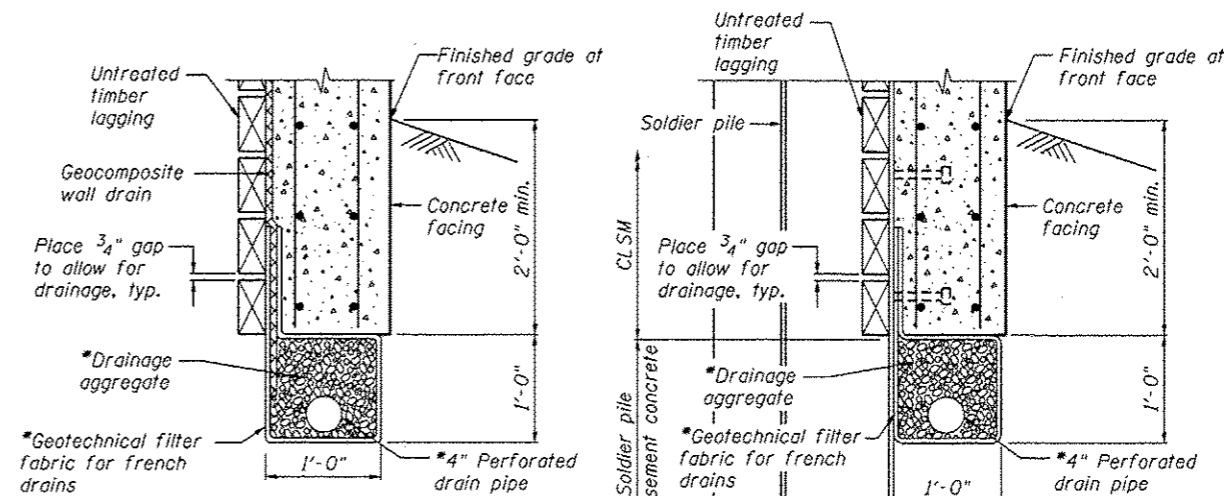


**SECTION THRU DRILLED SOLDIER PILE WALL**



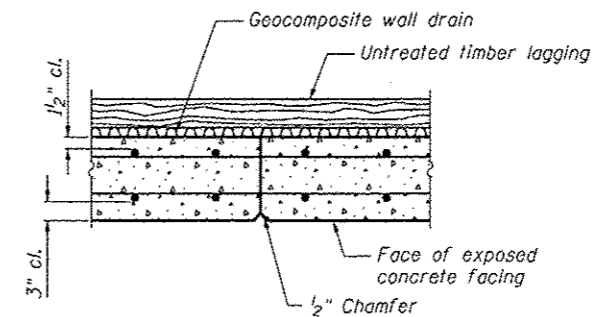
**BETWEEN SOLDIER PILES**

**AT SOLDIER PILES**

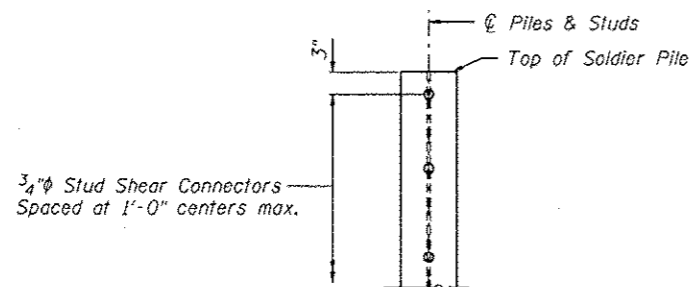
**PIPE UNDERDRAIN DETAIL**

\*Included in the cost of "Pipe Underdrains for Structures, 4"

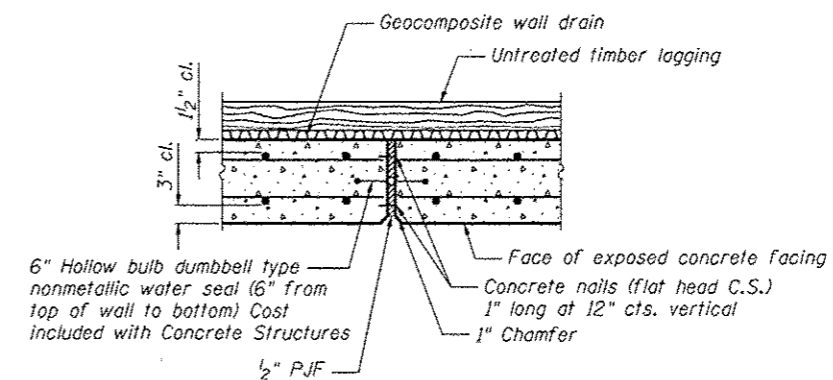
For pipe underdrain outlets, see Civil Plans.



**CONSTRUCTION JOINT DETAIL**



**DETAIL OF SHEAR STUD PLACEMENT**



**EXPANSION JOINT DETAIL**

**DETAILS  
SN 022-W046**



Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

USER NAME = SAW  
PLOT SCALE = 3/8" / IN.  
PLOT DATE = 5/4/2012

DESIGNED - LAS  
CHECKED - DAZ  
DRAWN - SAW  
CHECKED - LAS  
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS  
STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046**

SHEET NO. SC-7 OF SC-17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	60
CONTRACT NO. 60P42				

ILLINOIS FED. AID PROJECT

FILE NAME: ...ABP-12-0245-207-Details.dgn