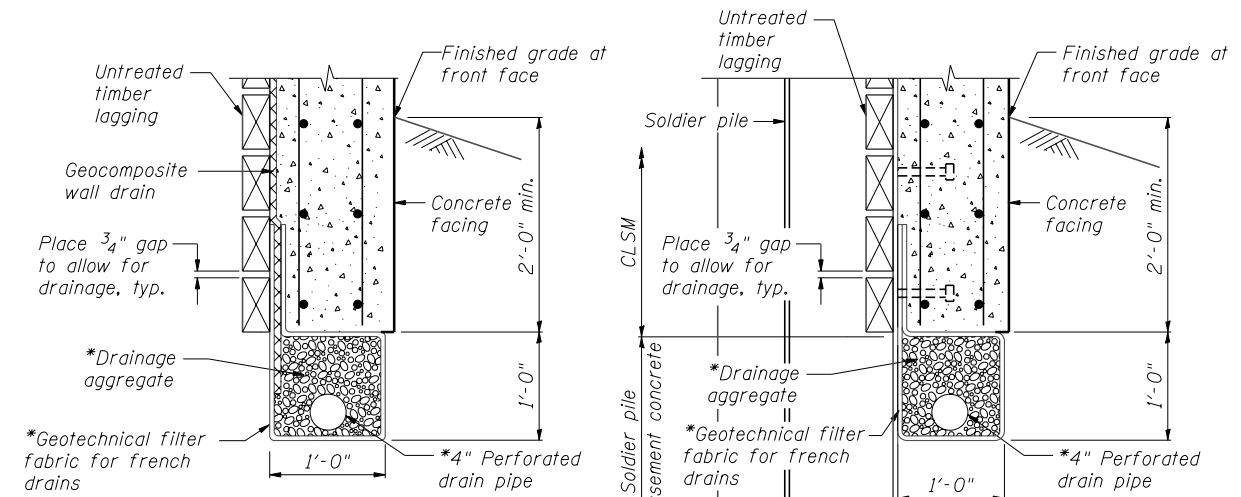


SECTION THRU DRILLED SOLDIER PILE WALL



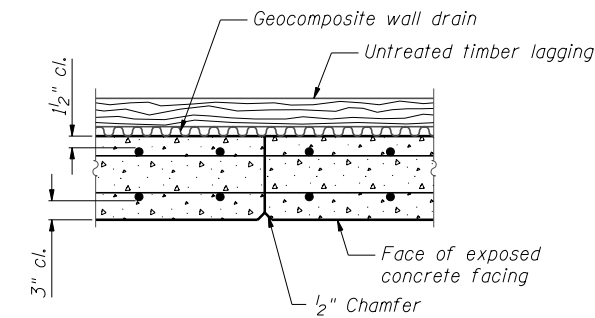
BETWEEN SOLDIER PILES

AT SOLDIER PILES

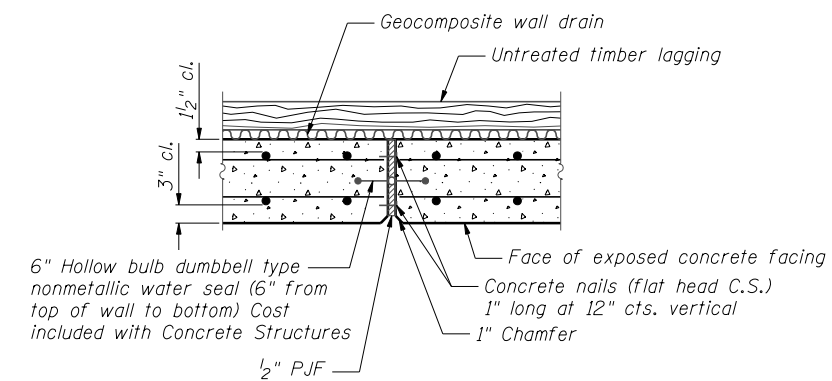
PIPE UNDERDRAIN DETAIL

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

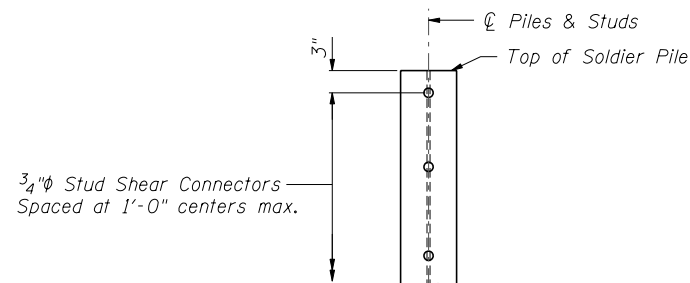
For pipe underdrain outlets, see Civil Plans.



CONSTRUCTION JOINT DETAIL



EXPANSION JOINT DETAIL



DETAIL OF SHEAR STUD PLACEMENT

**DETAILS
SN 022-W046**



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

USER NAME = SAW	DESIGNED - LAS	REVISED -
PLOT SCALE = 5.00' / IN.	CHECKED - DAZ	REVISED -
PLOT DATE = 5/4/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	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 = ...EGP42-W046-007-Details.dgn