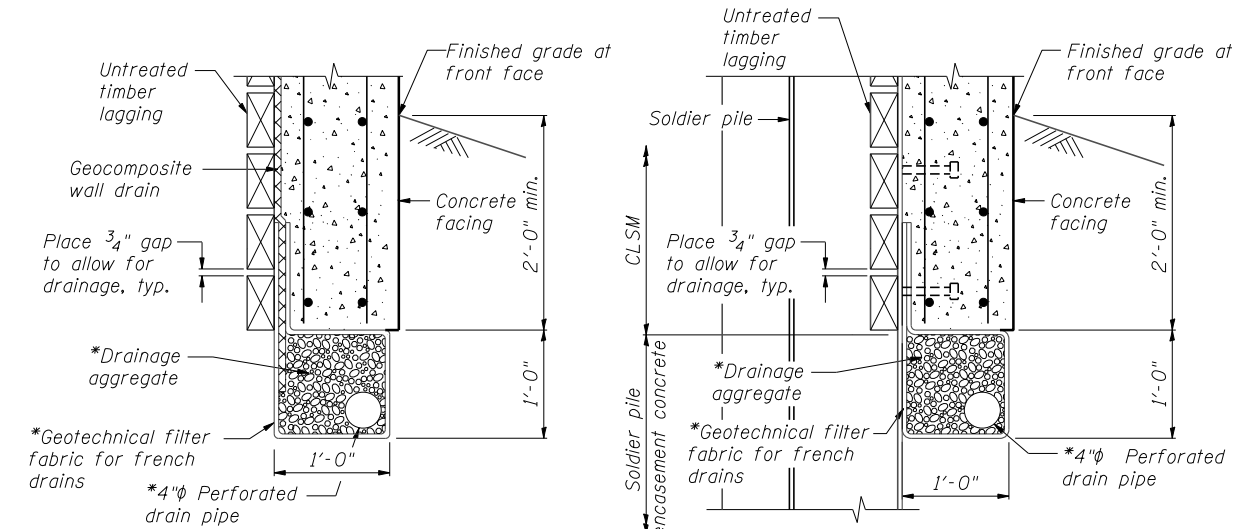


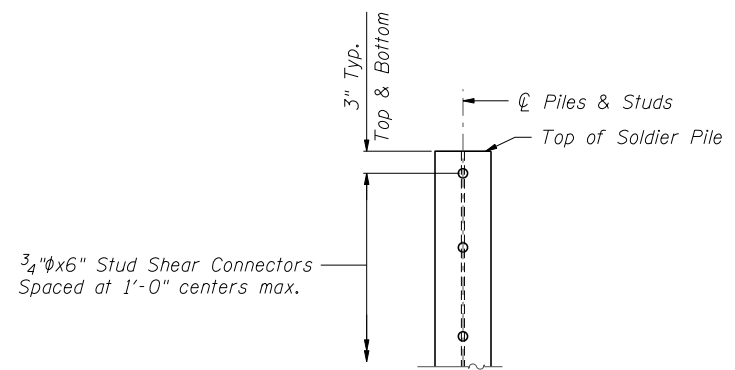
SECTION THRU DRILLED SOLDIER PILE WALL



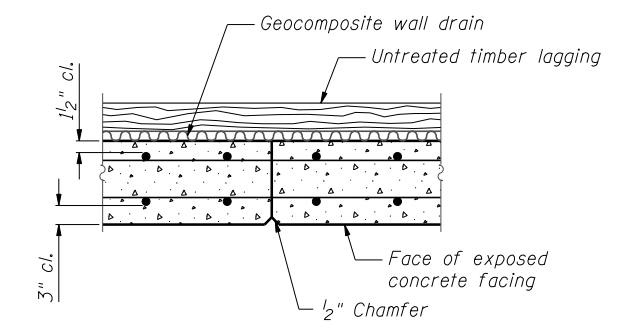
BETWEEN SOLDIER PILES AT SOLDIER PILES

PIPE UNDERDRAIN DETAIL

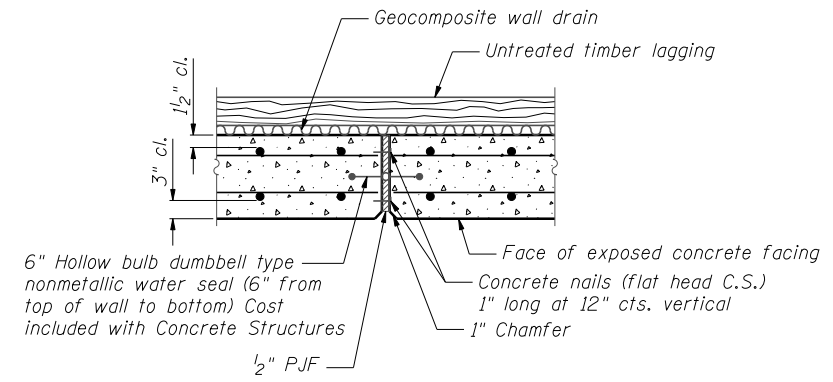
*Included in the cost of Pipe Underdrains for Structures



DETAIL OF SHEAR STUD PLACEMENT



CONSTRUCTION JOINT DETAIL



EXPANSION JOINT DETAIL

FILE NAME = ...GPR30-W061-007-Details.dgn

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

DESIGNED - LAS	REVISED -
CHECKED - DAZ	REVISED -
DRAWN - SAW	REVISED -
CHECKED - LAS	REVISED -
SCALE - NONE	
DATE - 12/14/2012	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS
STA. 3959 + 30.00 TO STA. 3964 + 32.50 SN 022-W061

SHEET NO. SB-7 OF SB-17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	866
			CONTRACT NO. 60R30	

ILLINOIS FED. AID PROJECT