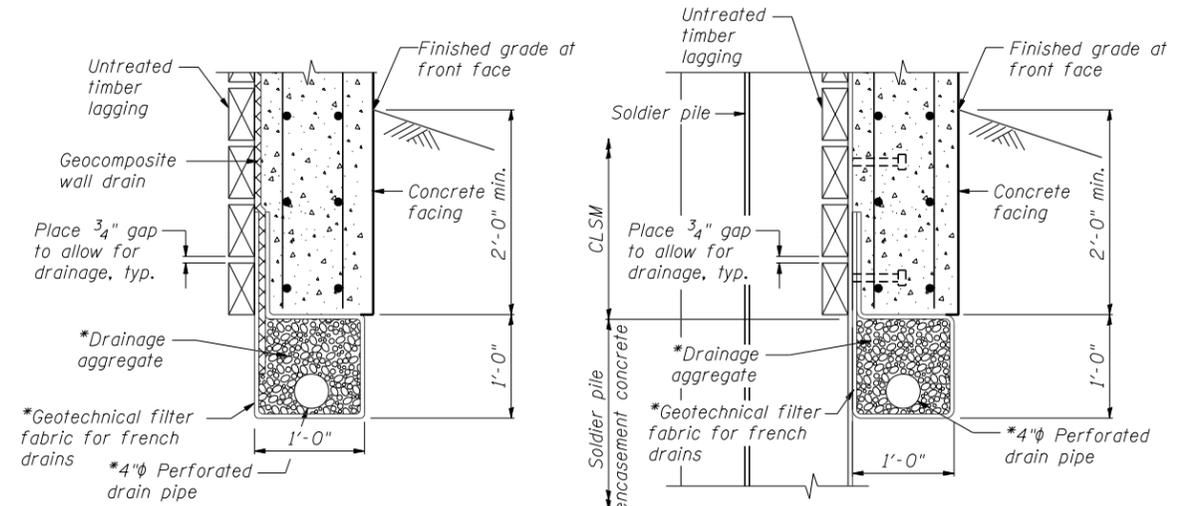


SECTION THRU DRILLED SOLDIER PILE WALL

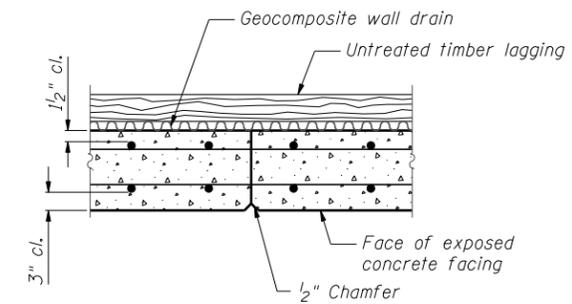


BETWEEN SOLDIER PILES

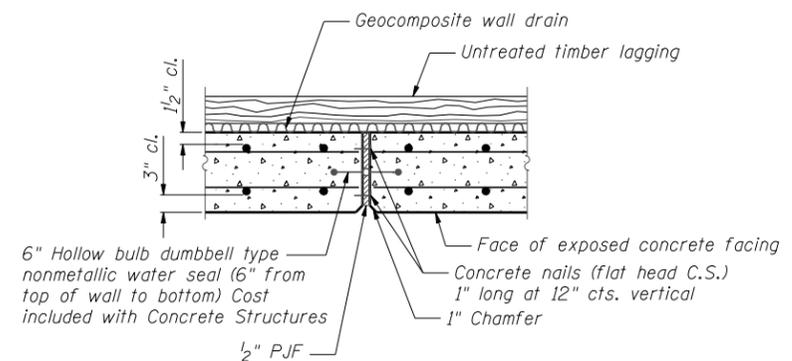
AT SOLDIER PILES

PIPE UNDERDRAIN DETAIL

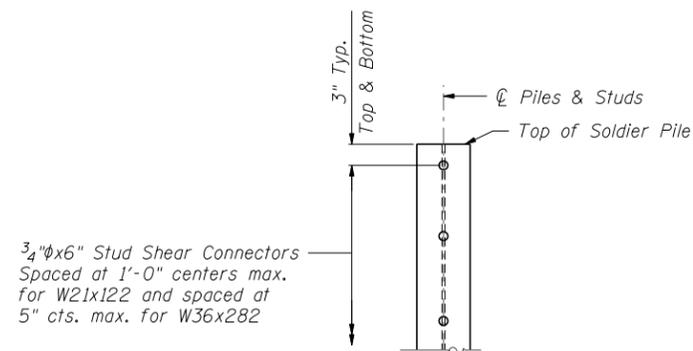
*Included in the cost of "Pipe Underdrains for Structures, 4"



CONSTRUCTION JOINT DETAIL



EXPANSION JOINT DETAIL



3/4"φx6" Stud Shear Connectors Spaced at 1'-0" centers max. for W21x122 and spaced at 5" cts. max. for W36x282

DETAIL OF SHEAR STUD PLACEMENT

FILE NAME = ...60R31-W051-005-Details.dgn



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

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS
STA. 4018 + 30.06 TO STA. 4020 + 80.00 S.N. 022-W051**

SHEET NO. SC-5 OF SC-12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-6	DUPAGE	734	513
CONTRACT NO. 60R31				

ILLINOIS FED. AID PROJECT