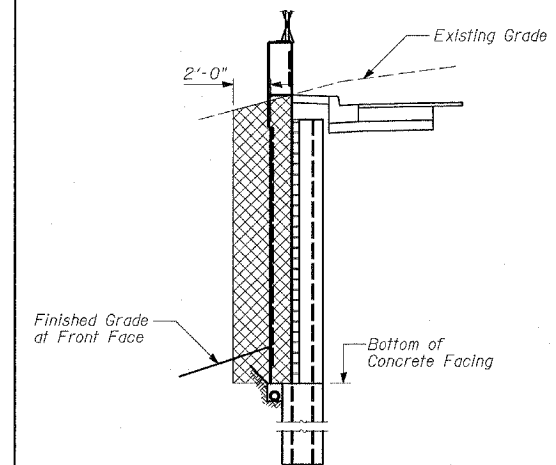


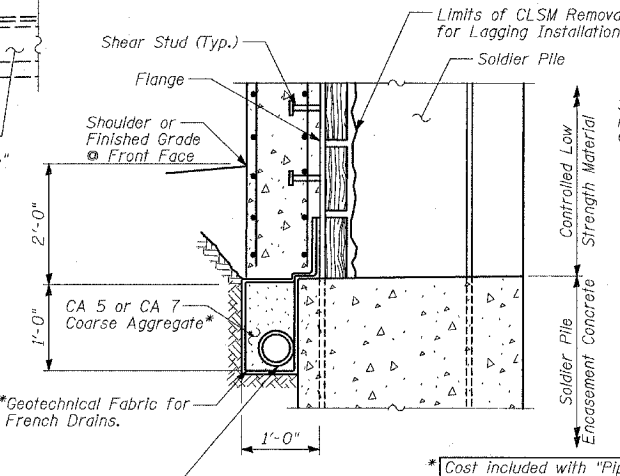
CROSS SECTION THRU WALL



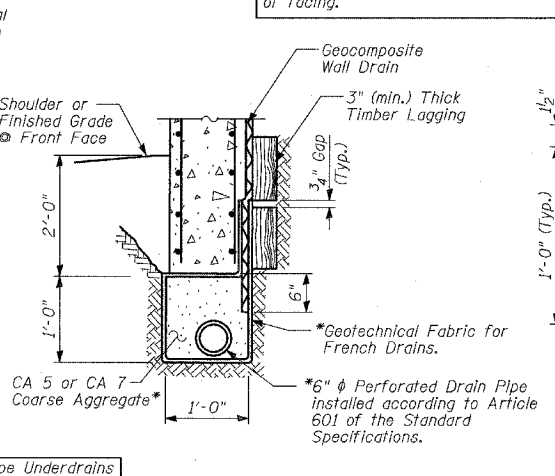
STRUCTURE EXCAVATION
(For Proposed Wall)

- NOTES:**
- The geocomposite wall drain shall be constructed according to Section 591 of the Standard Specifications.
 - The Contractor is responsible for the design and performance of the lagging using no less than 3" nominal rough-sawn thickness and the minimum tabulated unit stress in bending (f_b), used in the design of timber lagging shall be 1000 psi.
 - Stud shear connectors shall be 3/4" ϕ x 6" granular or solid flux filled headed studs, automatically end welded to the front flange of the soldier piles.

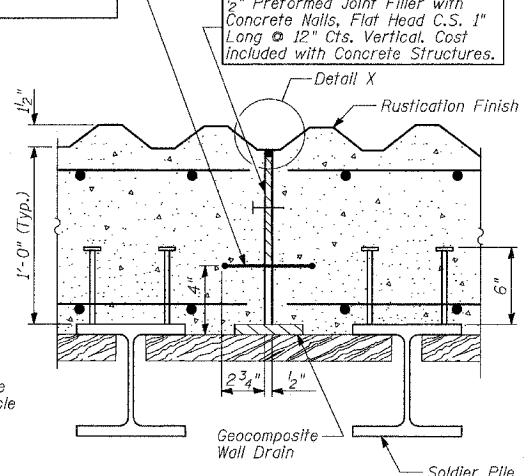
TYLIN INTERNATIONAL



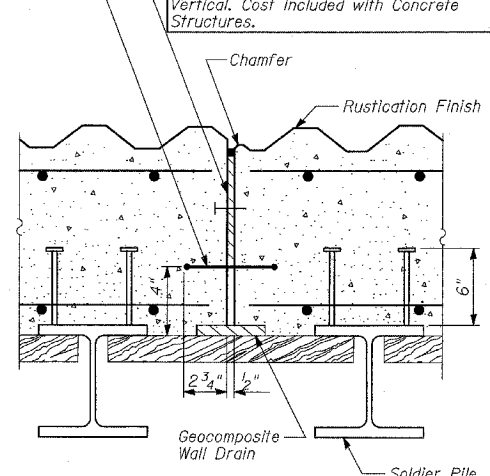
PIPE UNDERDRAIN DETAIL AT SOLDIER PILE



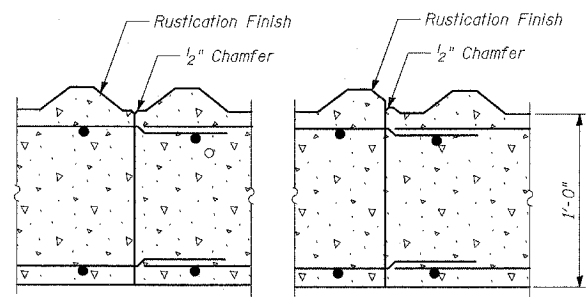
PIPE UNDERDRAIN DETAIL BETWEEN SOLDIER PILES



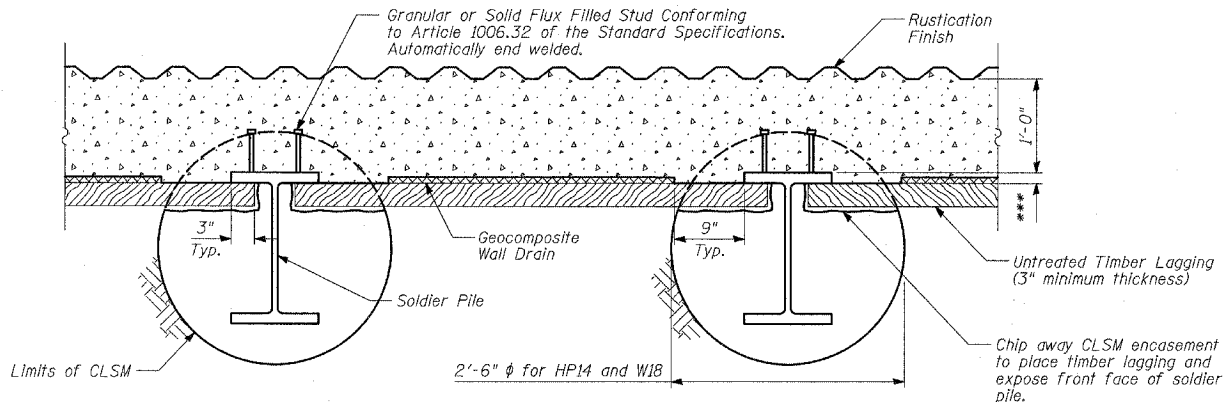
EXPANSION JOINT DETAILS
(Joint in Valley)



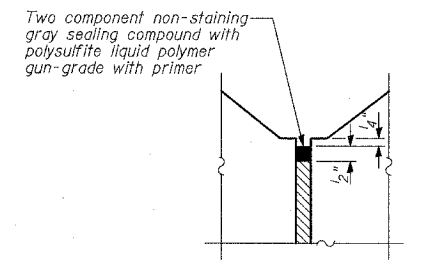
EXPANSION JOINT DETAILS
(Joint on Diagonal)



WALL CONSTRUCTION JOINT DETAILS
(Joint in Valley) (Joint on Diagonal)



SECTION A-A



DETAIL X

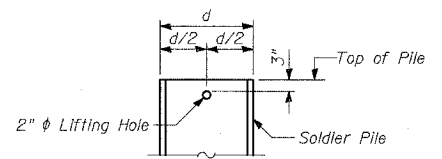
*** Cost of additional concrete between face of untreated timber lagging and face of pile included with "Concrete Structures".

BILL OF MATERIAL

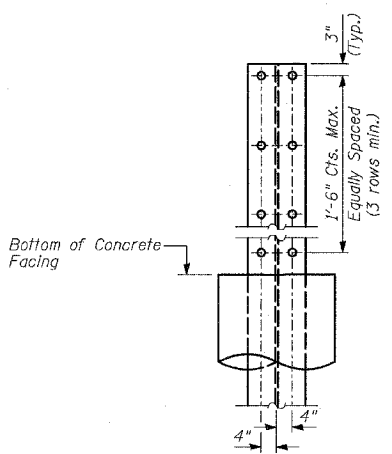
ITEM	UNIT	TOTAL
Structure Excavation	CU YD	333
Stud Shear Connectors	EACH	552
Untreated Timber Lagging	SQ FT	2,426
Geocomposite Wall Drain	SQ YD	294
Pipe Underdrains for Structures, 6"	FOOT	450

REVISIONS	
NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
RETAINING WALL ALONG STATE ST.
EXIT RAMP AT AIS #2
AIS #2
WALL CROSS SECTIONS & DETAILS
 S.N. 016-W960 DESIGNED BY: MI, DJR
 SCALE: N.T.S. DRAWN BY: DJR, MAF
 DATE: MARCH 18, 2005 CHECKED BY: TD, MI



LIFTING HOLE DETAIL



SHEAR STUD CONNECTOR DETAIL