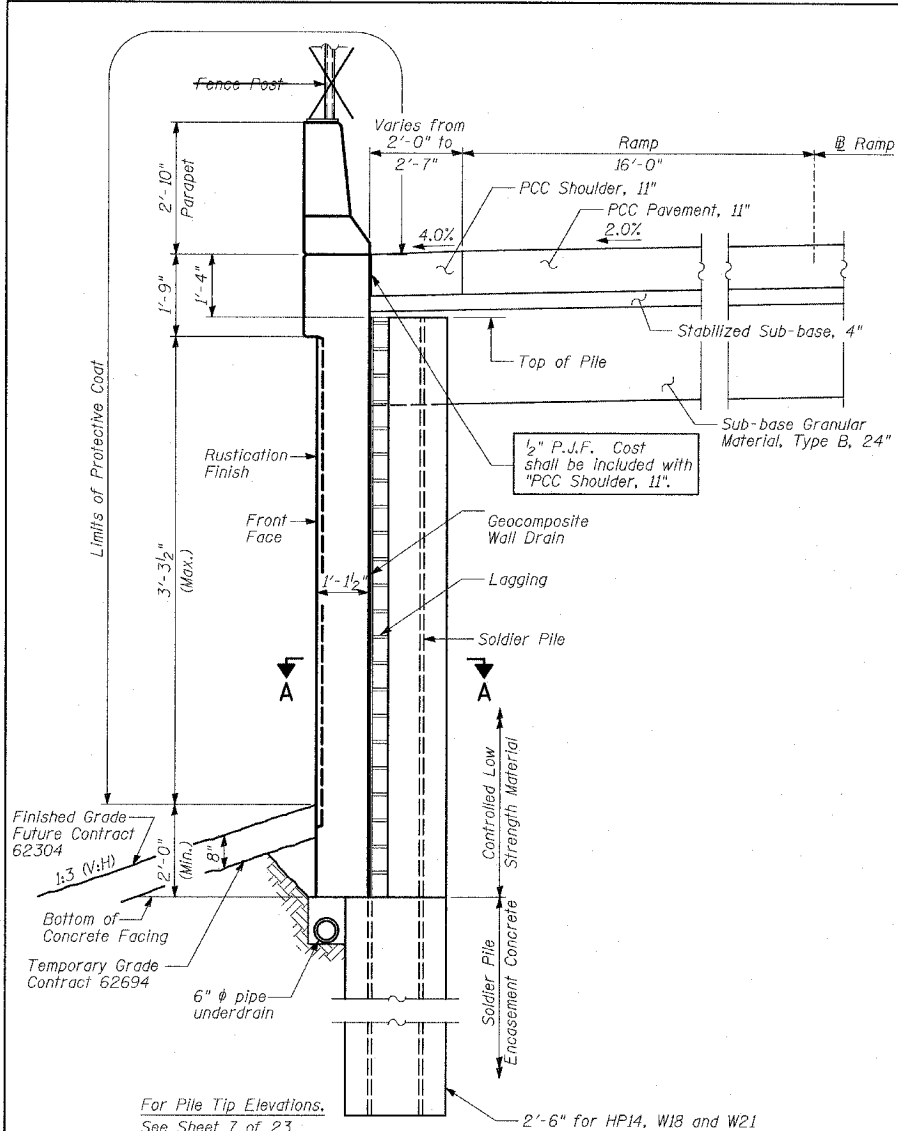
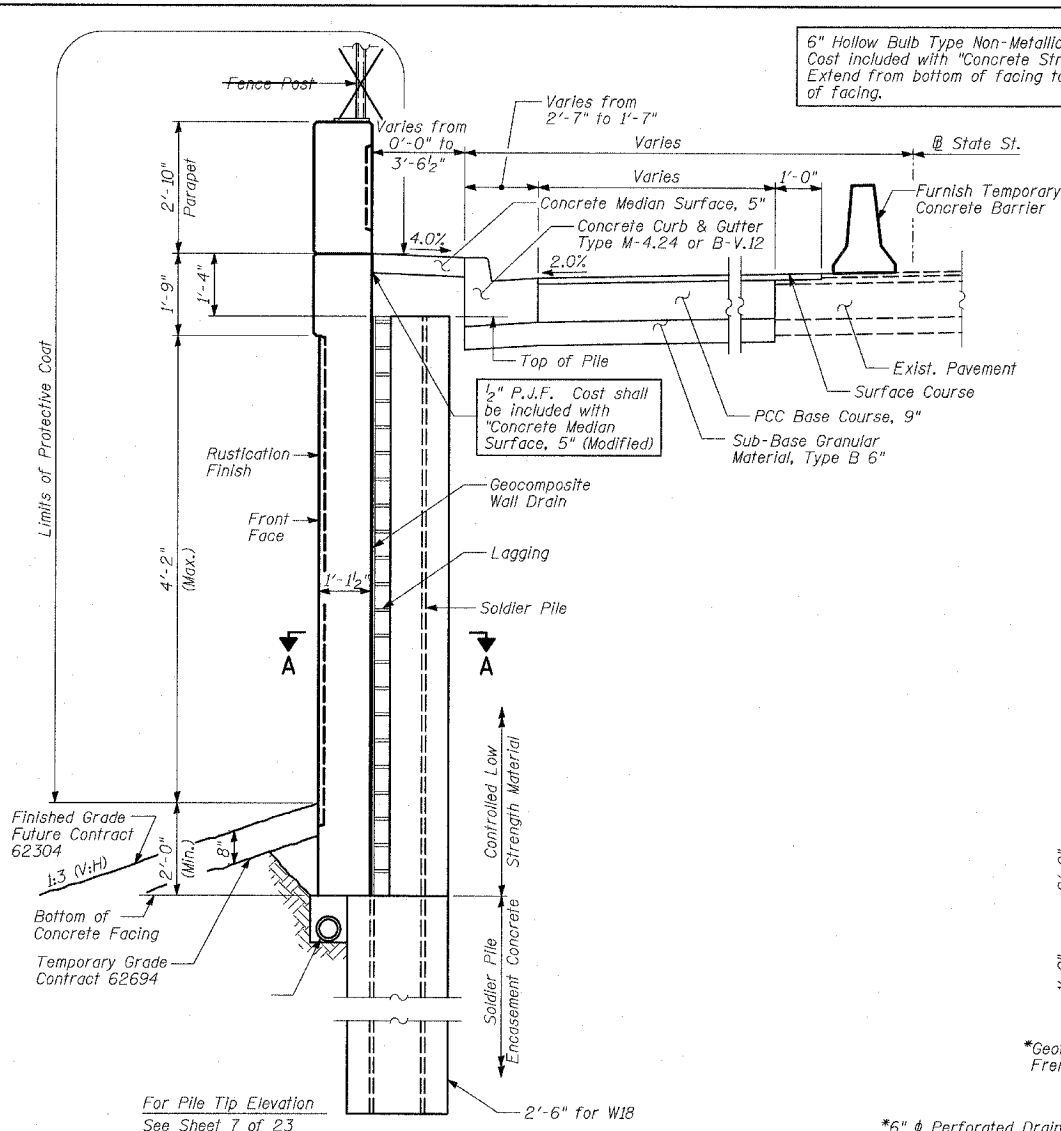


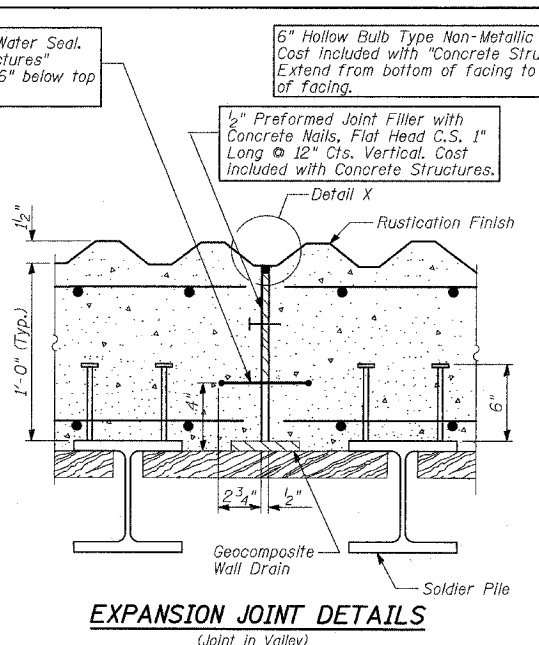
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	860	551
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-8		62694		



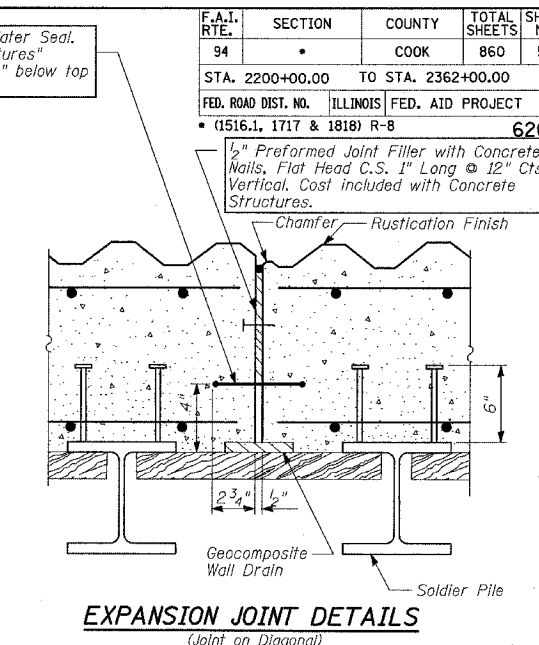
CROSS SECTION THRU WALL
 ** (Sta. 2266+94.73 to Sta. 2262+34.71)



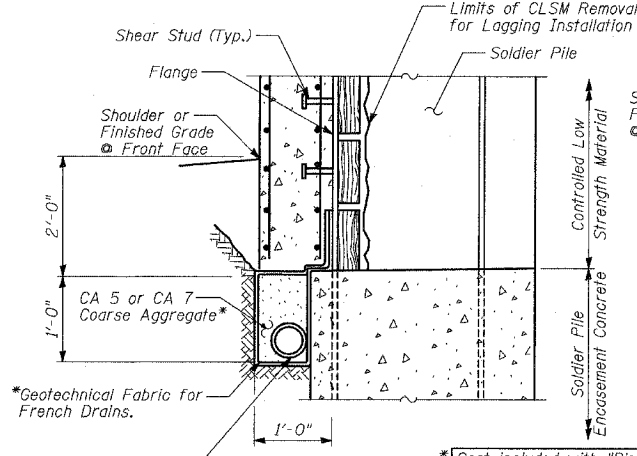
CROSS SECTION THRU WALL
 ** (Sta. 2262+34.71 to Sta. 2260+95.40)



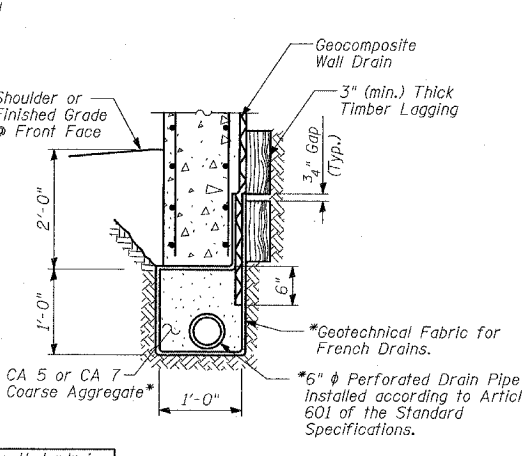
EXPANSION JOINT DETAILS
 (Joint in Valley)



EXPANSION JOINT DETAILS
 (Joint on Diagonal)



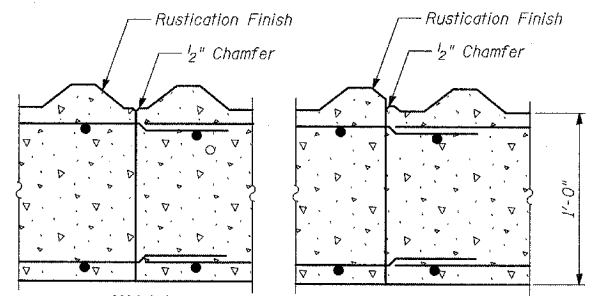
PIPE UNDERDRAIN DETAIL AT SOLDIER PILE



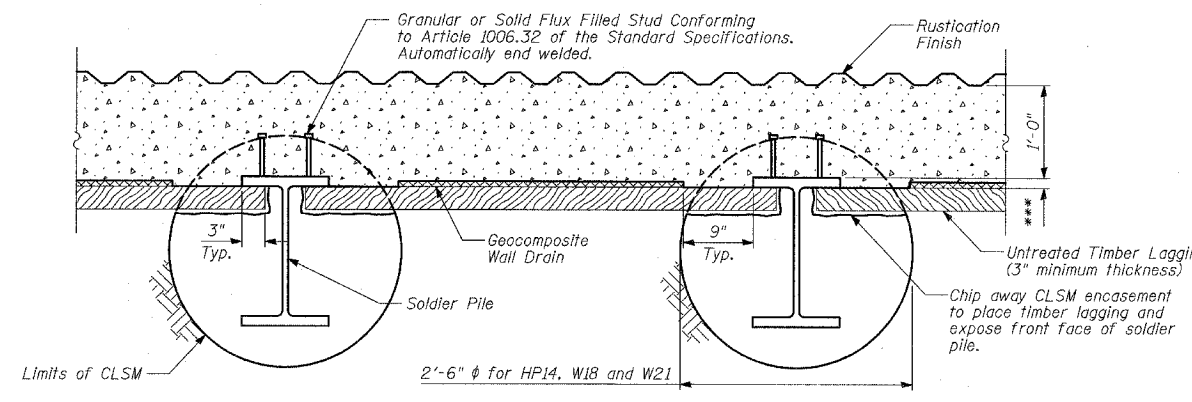
PIPE UNDERDRAIN DETAIL BETWEEN SOLDIER PILES

- 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.

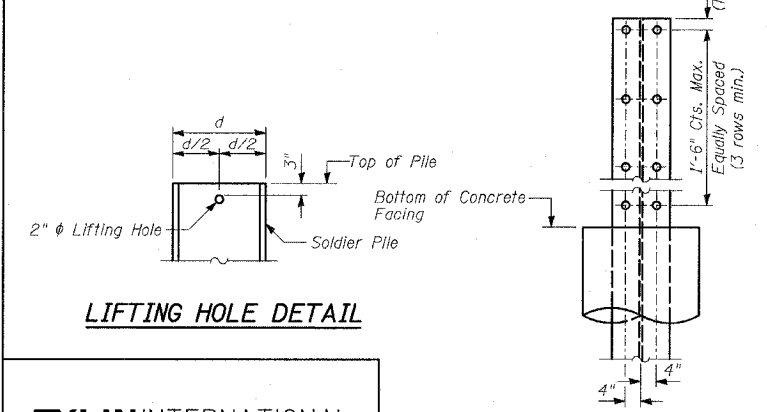
** For parapet transition details, see Sheet 6 of 23.



CONSTRUCTION JOINT DETAILS

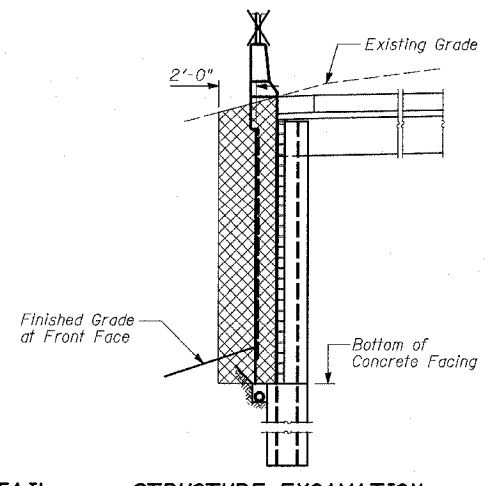


SECTION A-A

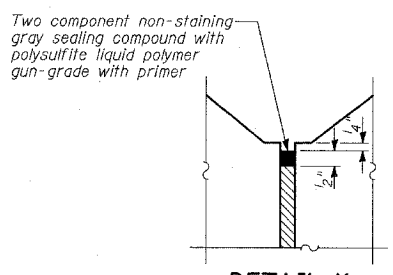


LIFTING HOLE DETAIL

SHEAR STUD CONNECTOR DETAIL



STRUCTURE EXCAVATION
 (For Proposed Wall)



DETAIL X

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	CU YD	493
Stud Shear Connectors	EACH	682
Untreated Timber Lagging	SQ FT	2,928
Geocomposite Wall Drain	SQ YD	359
Pipe Underdrains for Structures, 6"	FOOT	600

REVISIONS

NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 RETAINING WALL ALONG STATE ST.
 ENTRANCE RAMP FROM 8TH ST.
WALL 6
WALL CROSS SECTIONS & DETAILS
 S.N. 016-W956 DESIGNED BY: MI, MAF
 SCALE: N.T.S. DRAWN BY: MAF, DJR
 DATE: MARCH 18, 2005 CHECKED BY: TD, MI

TYLIN INTERNATIONAL