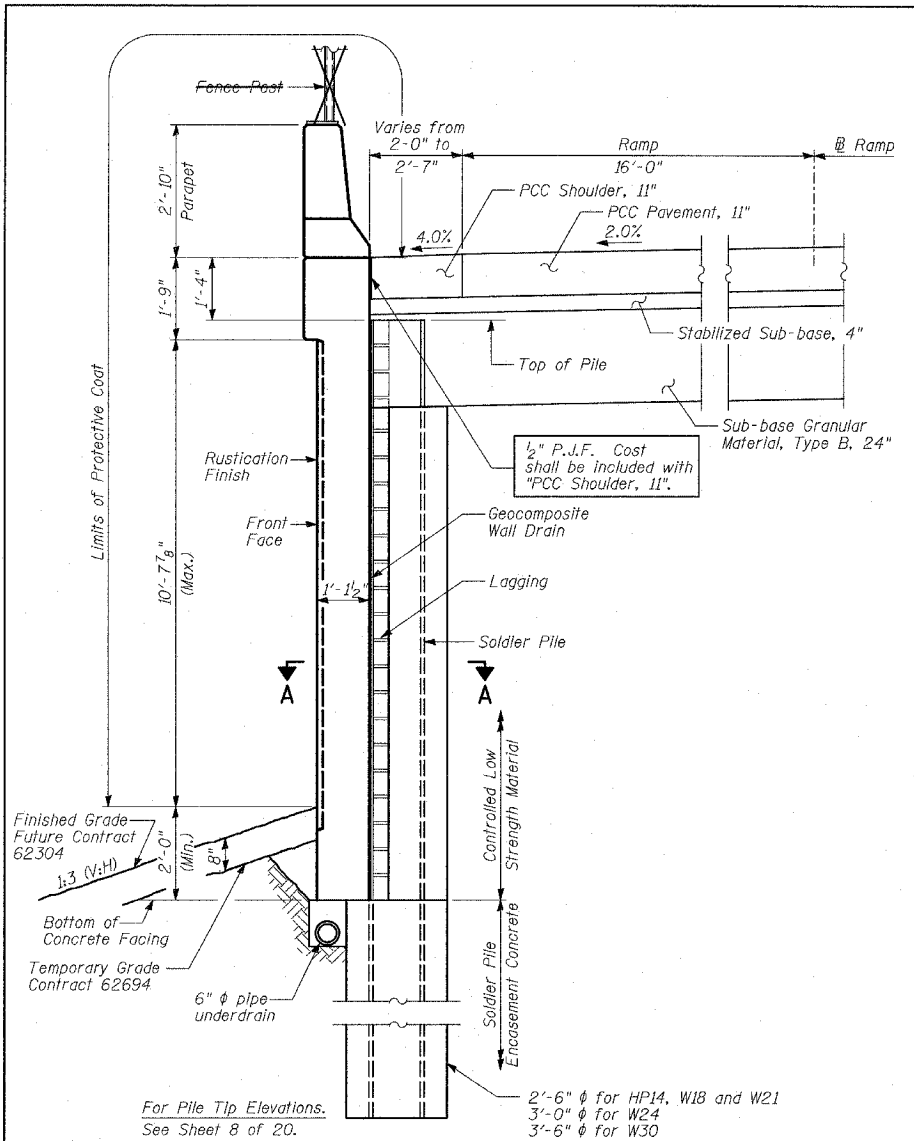
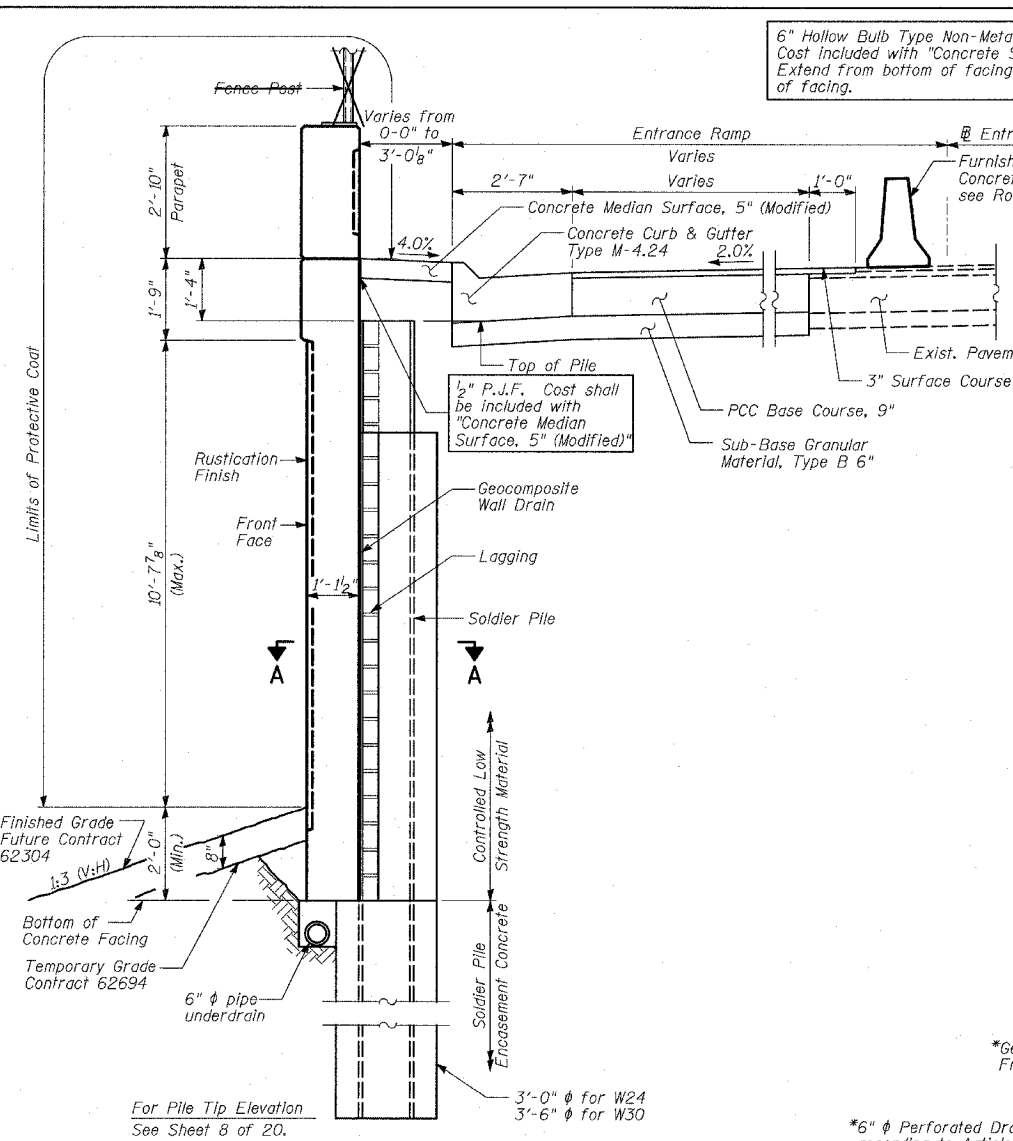


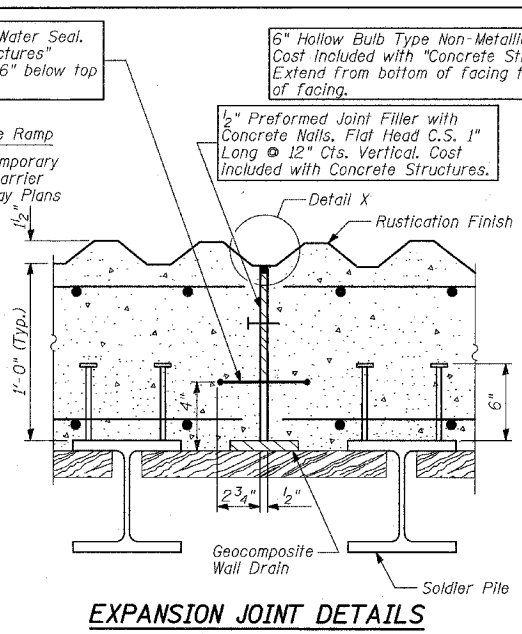
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	860	420
STA. 2200+00.00 TO STA. 2362+00.00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
		• (1516.1, 1717 & 1818) R-8		
		62694		



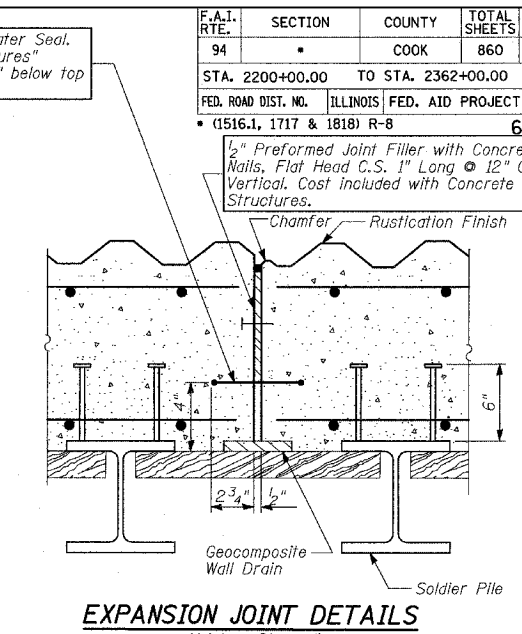
CROSS SECTION THRU WALL
 ** (Sta. 2216+37.74 to Sta. 2213+04.24)



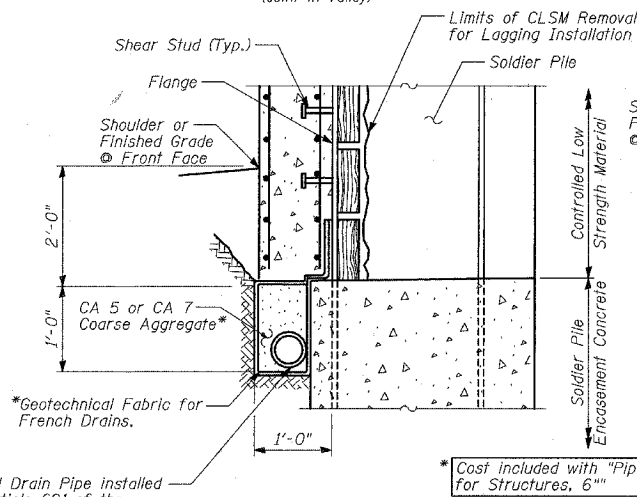
CROSS SECTION THRU WALL
 ** (Sta. 2213+04.24 to Sta. 2210+42.42)



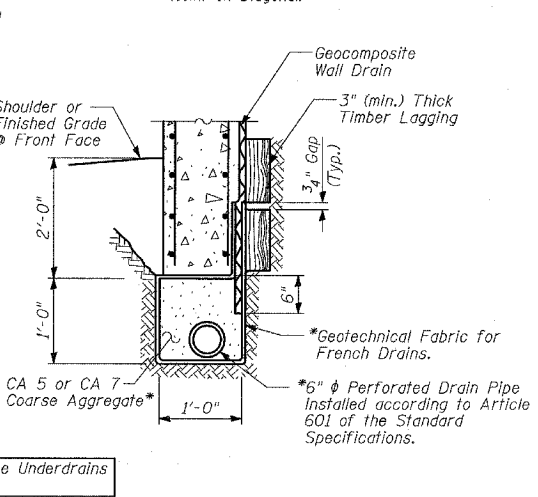
EXPANSION JOINT DETAILS
 (Joint in Valley)



EXPANSION JOINT DETAILS
 (Joint on Diagonal)



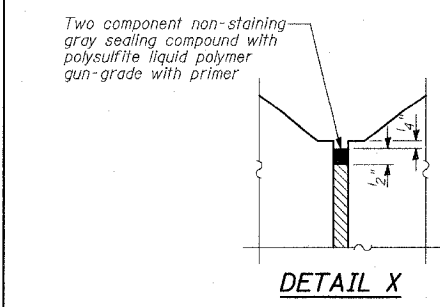
PIPE UNDERDRAIN DETAIL AT SOLDIER PILE



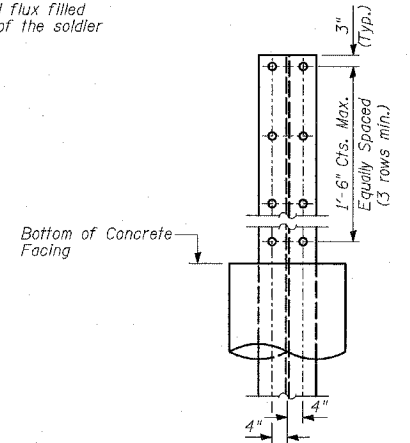
PIPE UNDERDRAIN DETAIL BETWEEN SOLDIER PILES

- 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" x 6" granular or solid flux filled headed studs, automatically end welded to the front flange of the soldier piles.

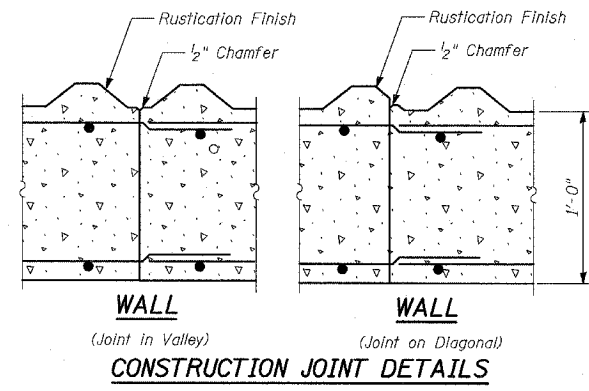
** For parapet transition details, see Sheet 7 of 20.



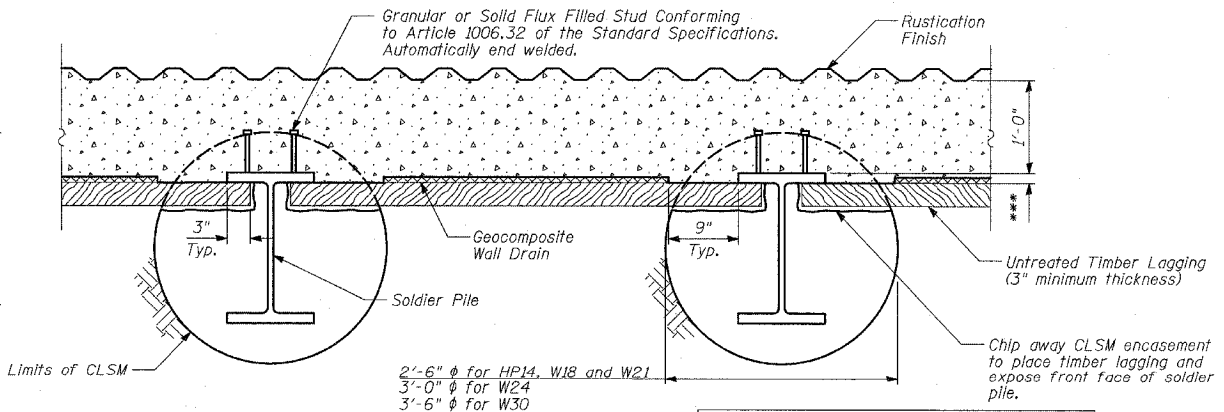
DETAIL X



SHEAR STUD CONNECTOR DETAIL



CONSTRUCTION JOINT DETAILS



SECTION A-A

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

SHEET 9 OF 20

TYLIN INTERNATIONAL

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	CU YD	386
Stud Shear Connectors	EACH	1,266
Untreated Timber Lagging	SQ FT	5,411
Geocomposite Wall Drain	SQ YD	635
Pipe Underdrains for Structures, 6"	FOOT	597

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 AT 95TH ST.
 WALL 1
 WALL CROSS SECTIONS & DETAILS
 S.N. 016-W943 DESIGNED BY: MI, MAF
 SCALE: N.T.S. DRAWN BY: MAF, TB
 DATE: MARCH 18, 2005 CHECKED BY: TD, MI