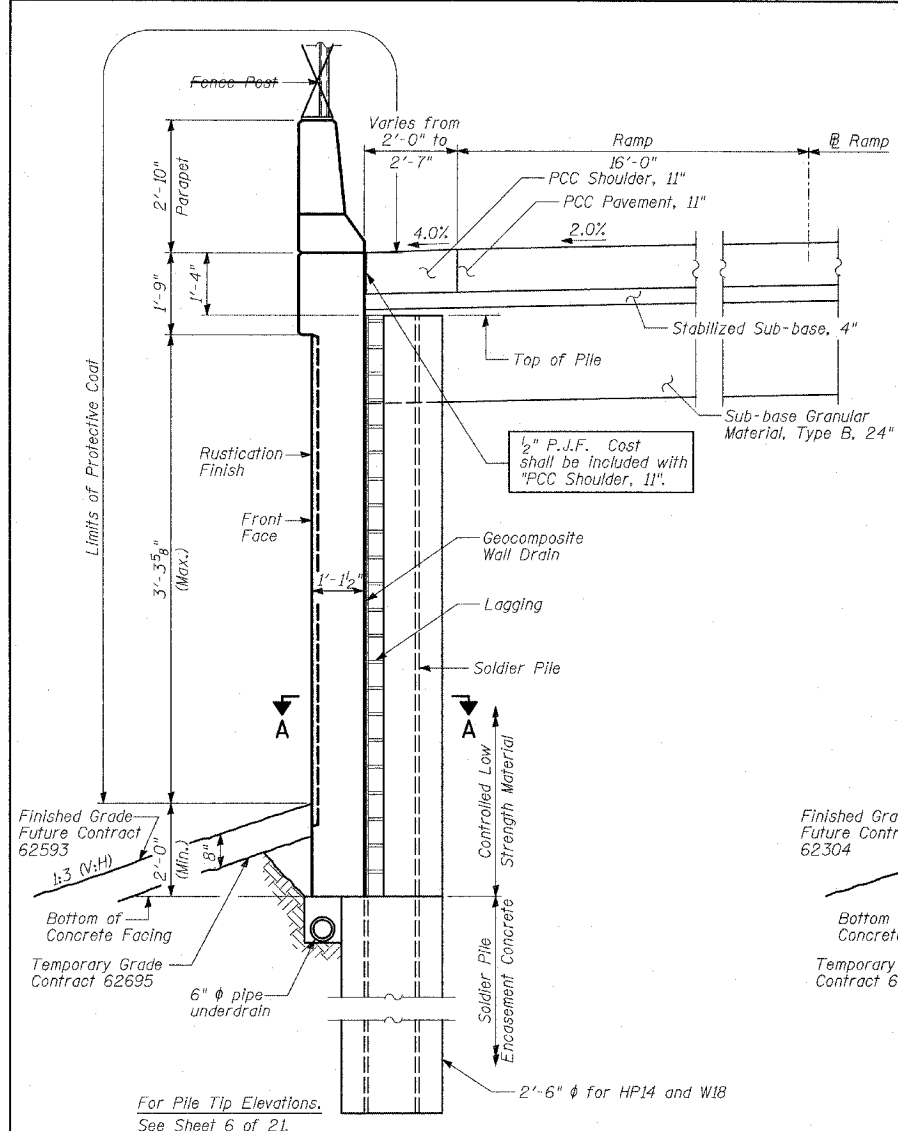
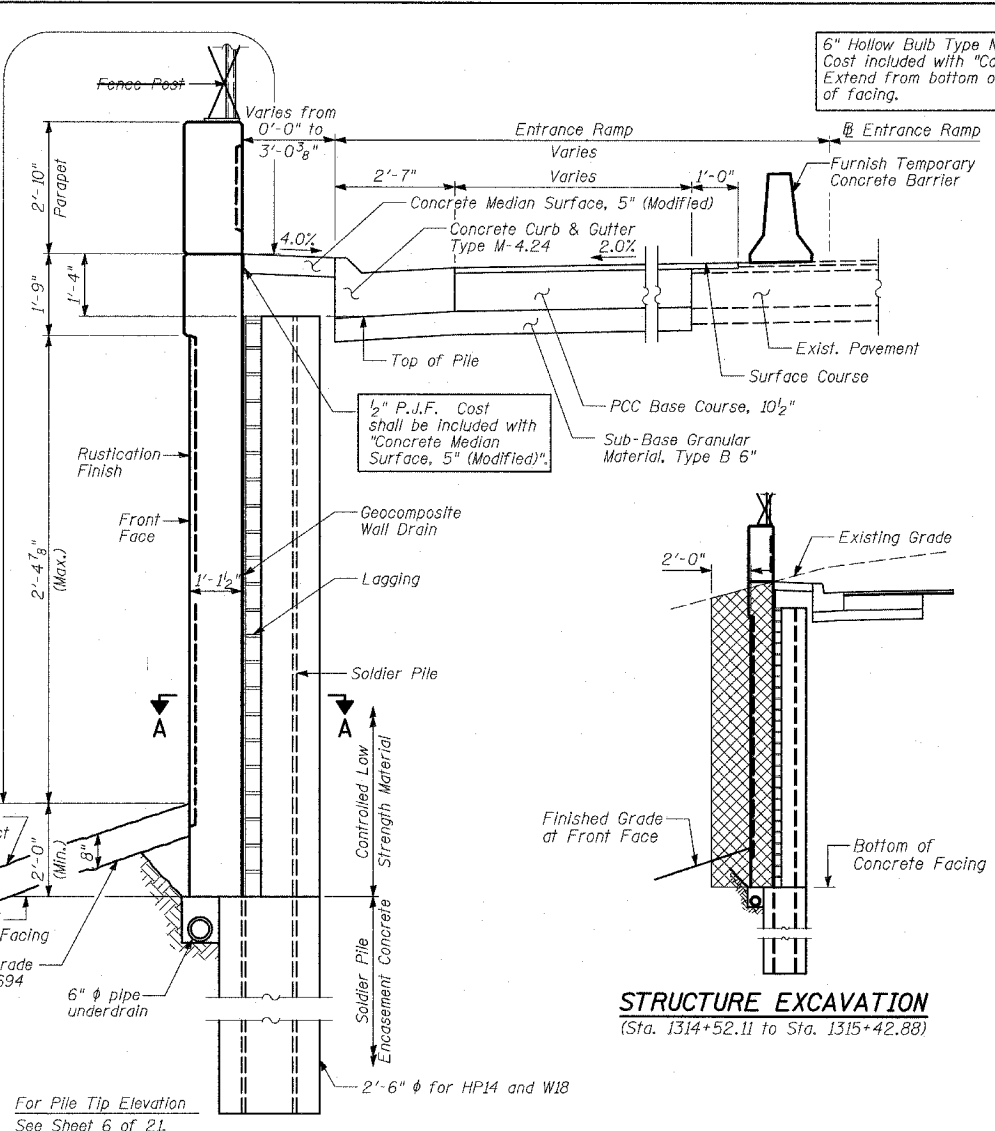


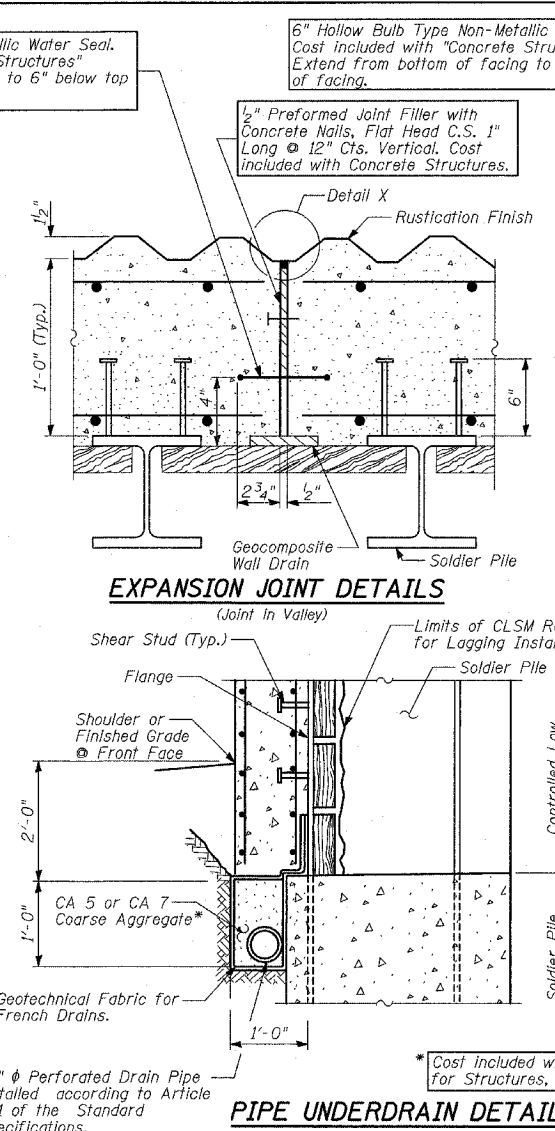
F.A.I. RTE. 94	SECTION •	COUNTY COOK	TOTAL SHEETS 907	SHEET NO. 576
STA. 1200+00.00 TO STA. 1365+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	(1516.1, 1717 & 1818) R-9	62695



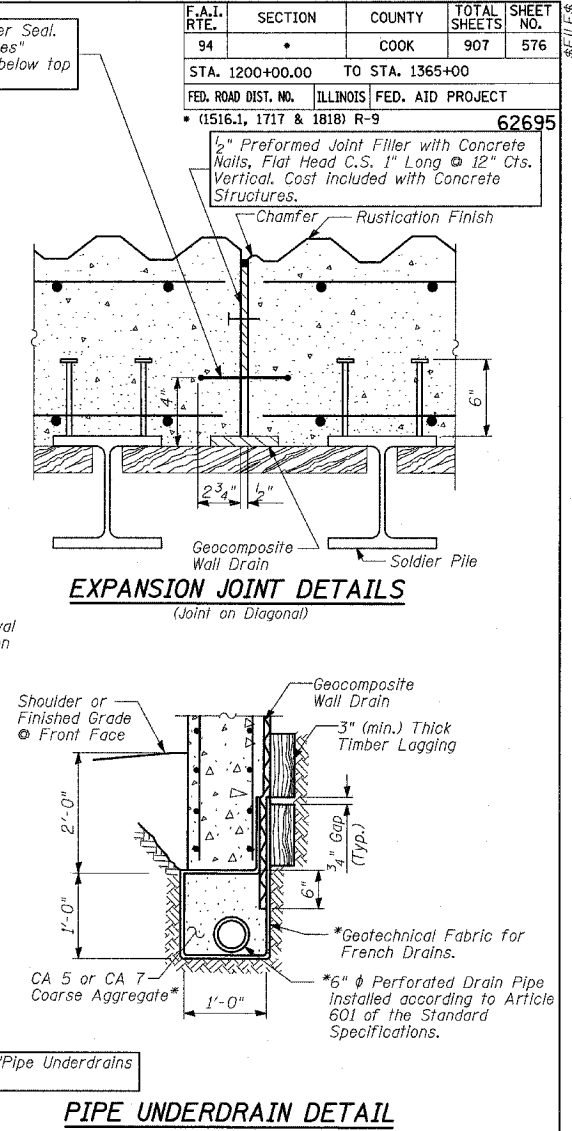
CROSS SECTION THRU WALL
** (Sta. 1315+49.40 to Sta. 1318+15.17)



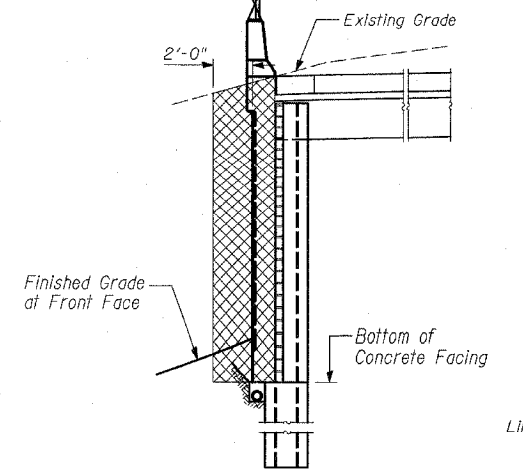
CROSS SECTION THRU WALL
** (Sta. 1314+52.11 to Sta. 1315+49.40)



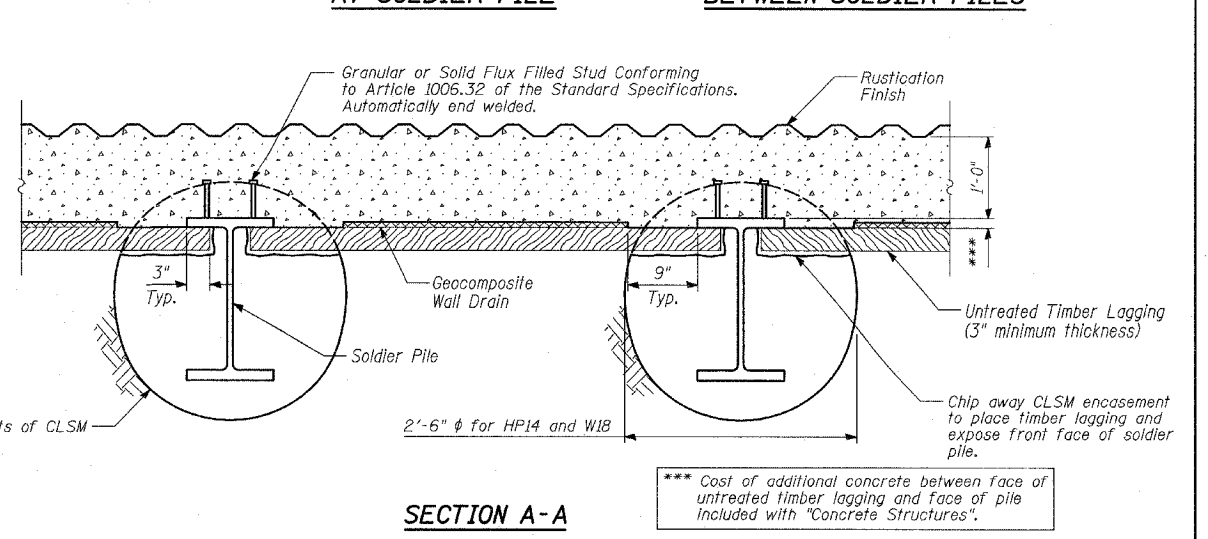
EXPANSION JOINT DETAILS
(Joint in Valley)



EXPANSION JOINT DETAILS
(Joint on Diagonal)



STRUCTURE EXCAVATION
(Sta. 1314+52.11 to Sta. 1315+42.88)



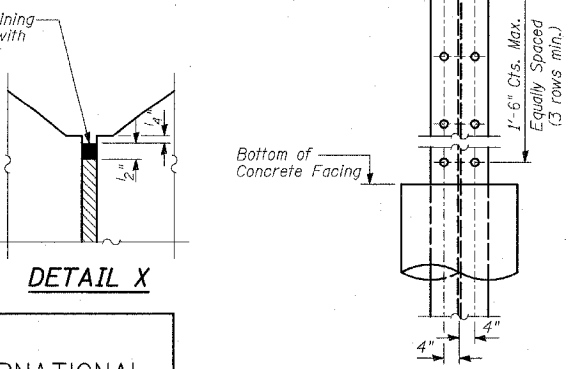
PIPE UNDERDRAIN DETAIL AT SOLDIER PILE

PIPE UNDERDRAIN DETAIL BETWEEN SOLDIER PILES

SECTION A-A

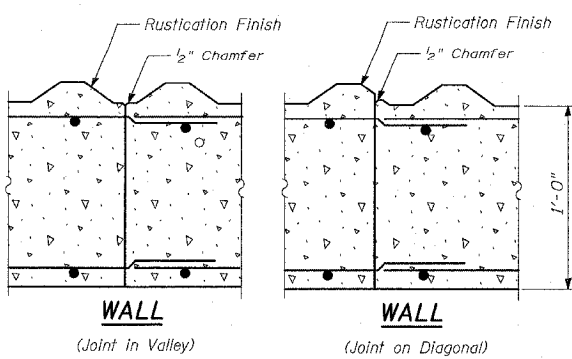
NOTES:

- 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.

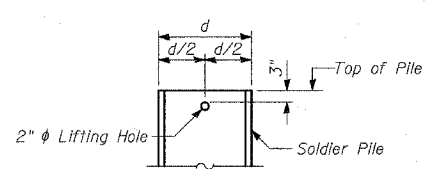


DETAIL X

SHEAR STUD CONNECTOR DETAIL



CONSTRUCTION JOINT DETAILS



LIFTING HOLE DETAIL

STRUCTURE EXCAVATION
(Sta. 1315+73.12 to Sta. 1318+15.17)

TYLIN INTERNATIONAL

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	CU YD	324
Stud Shear Connectors	EACH	368
Untreated Timber Lagging	SQ FT	1,515
Geocomposite Wall Drain	SQ YD	189
Pipe Underdrains for Structures, 6"	FOOT	360

REVISIONS	
NAME	DATE
REVISOR	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOUTHBOUND EXIT RAMP RETAINING WALL
AT 79TH ST.
WALL 72
S.N. 016-W971
SCALE: N.T.S.
DESIGNED BY: MI, MAF
DRAWN BY: MAF, DJR
CHECKED BY: TD, MI
DATE: MARCH 25, 2005