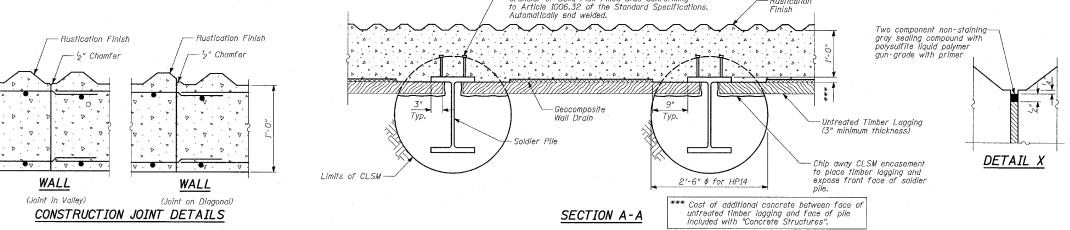
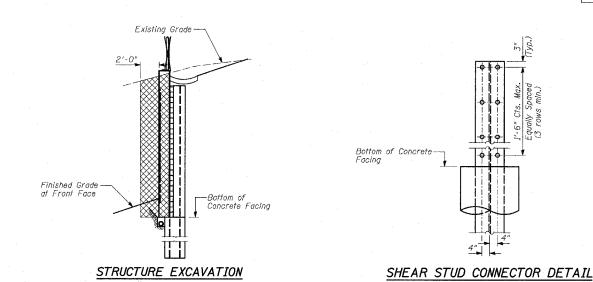


- 2. The Contractor is responsible for the design and performance of the lagging using no less than 3" nominal rough-sawn thickness and the minimum tabulated unit stress in bending (f_b), used in the design of the lagging shall be 1000 pc; of timber lagging shall be 1000 psi.
- 3. Stud shear connectors shall be $^3\!_4$ " $^0\!_4$ x 6" granular or solid flux filled headed studs, automatically end welded to the front flange of the soldier

LIFTING HOLE DETAIL





BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	CU YD	117
Stud Shear Connectors	EACH	208
Untreated Timber Lagging	SQ FT	929
Geocomposite Wall Drain	SQ YD	113
Pipe Underdrains for Structures, 6"	FOOT	164

SHEET 4 OF 8

DRAWN BY: MAF, DJR

CHECKED BY: TD, MI

ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94 (DAN RYAN EXPRESSWAY) RETAINING WALL ALONG STATE ST. 91ST ST. TO CPI&R RR WALL 3 WALL CROSS SECTIONS & DETAILS
16-W945 DESIGNED BY: MI, MAF S.N. 016-W945

DATE: MARCH 18, 2005

SCALE: N.T.S.

TY:LIN INTERNATIONAL