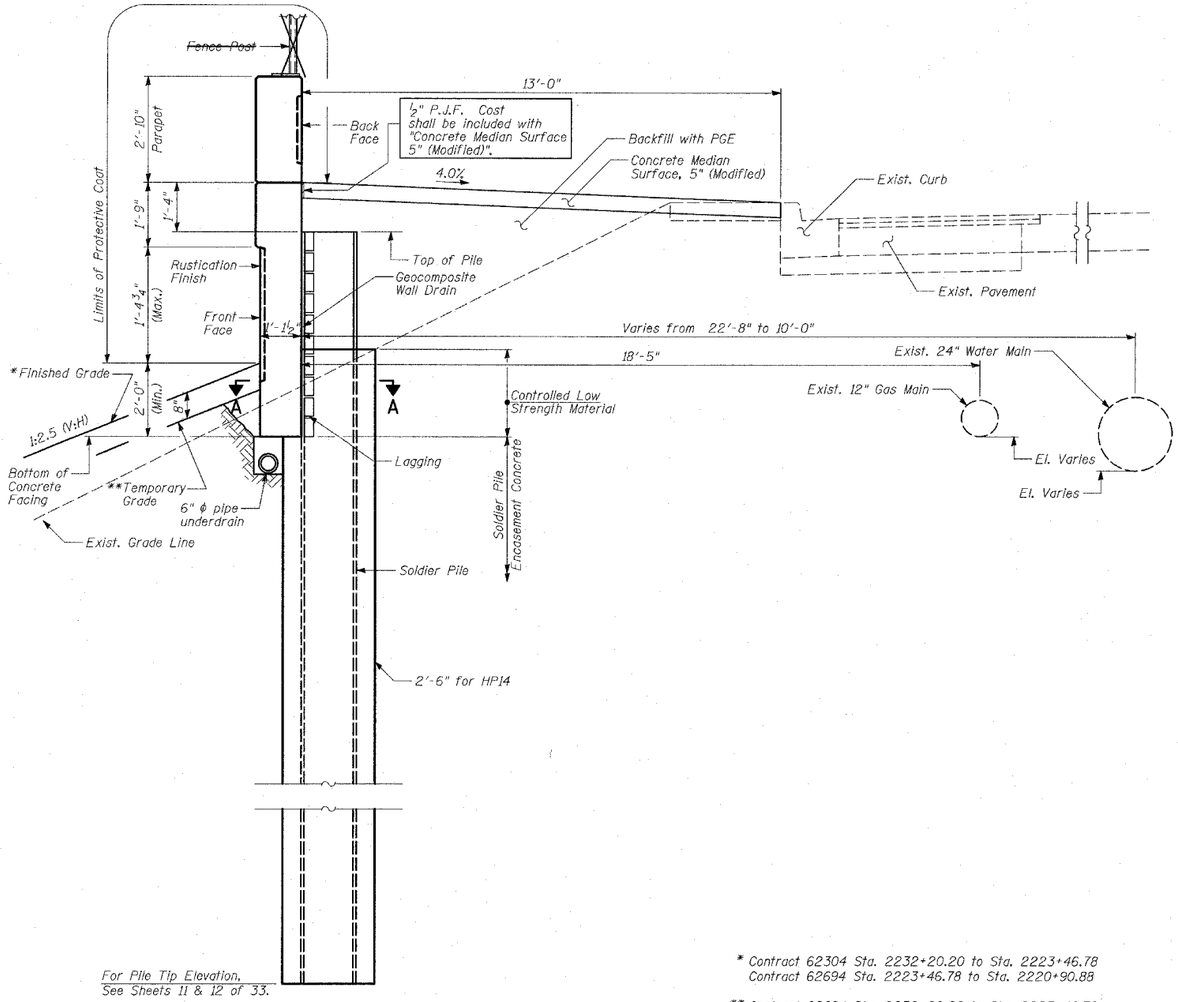
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	860	466
STA. 2200+00.00	TO STA. 2362+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8				62694



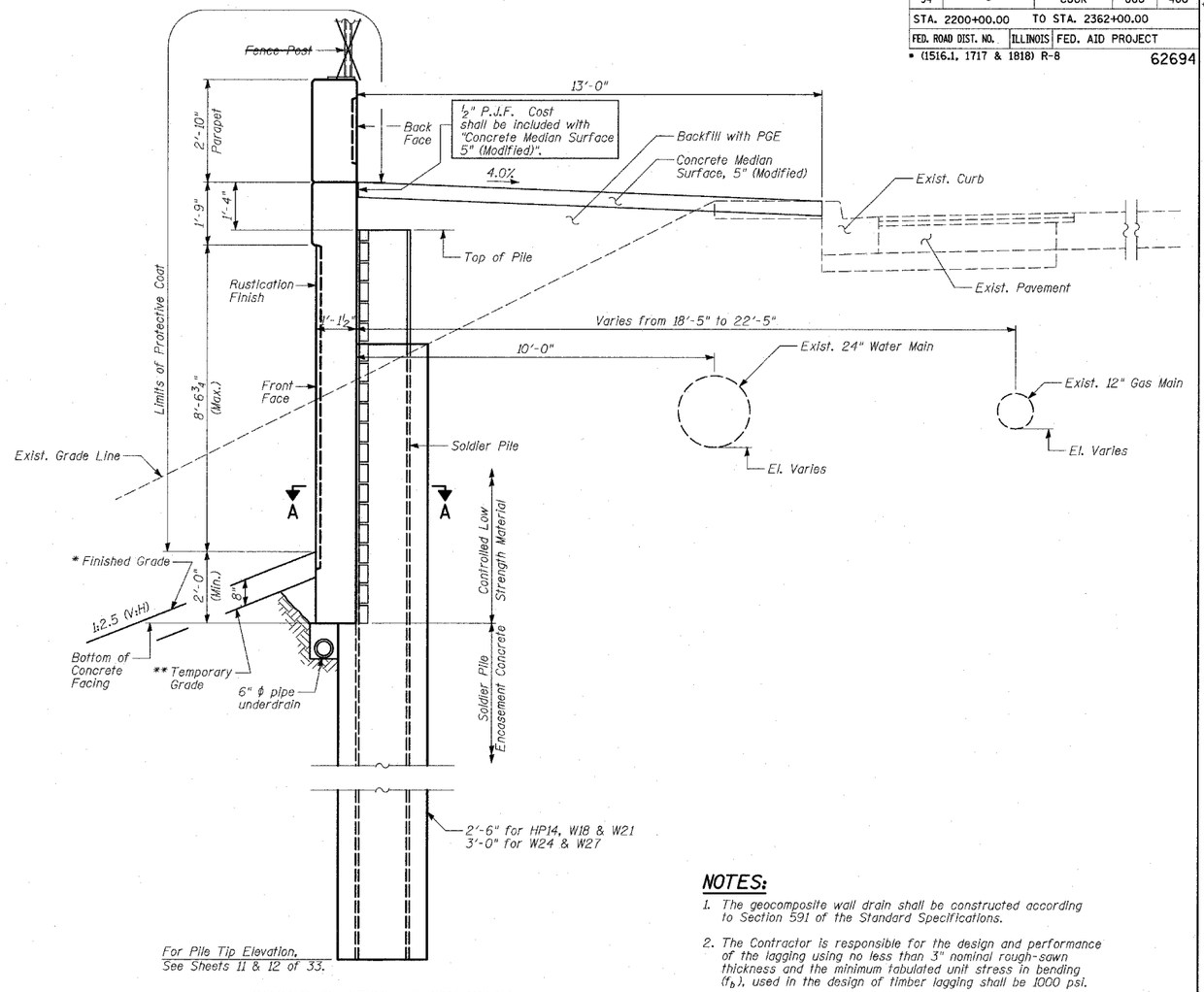
For Pile Tip Elevation, See Sheets 11 & 12 of 33.

CROSS SECTION THRU WALL

(Sta. 2232+47.99 to Sta. 2232+20.20)

* Contract 62304 Sta. 2232+20.20 to Sta. 2223+46.78
Contract 62694 Sta. 2223+46.78 to Sta. 2220+90.88

** Contract 62694 Sta. 2232+20.20 to Sta. 2223+46.78



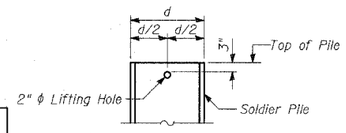
For Pile Tip Elevation, See Sheets 11 & 12 of 33.

CROSS SECTION THRU WALL

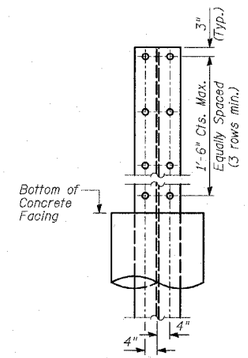
(Sta. 2232+20.20 to Sta. 2220+90.88)

NOTES:

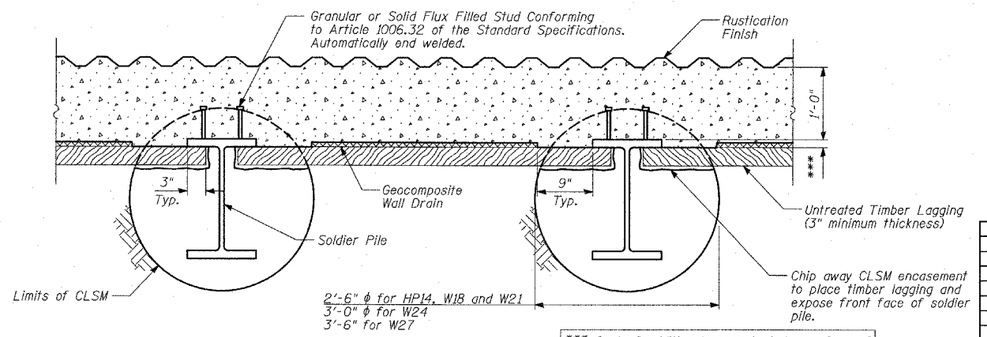
1. The geocomposite wall drain shall be constructed according to Section 591 of the Standard Specifications.
2. The Contractor is responsible for the design and performance of the lagging using no less than 3" nominal rough-sawn thickness and the minimum tabulated unit stress in bending (F_b), used in the design of timber lagging shall be 1000 psi.
3. The Contractor is responsible for the protection of the existing pavement and concrete curb and gutter. Existing pavement or concrete curb and gutter damaged during construction shall be reconstructed at the Contractor's expense.
4. Stud shear connectors shall be ¾" x 6" granular or solid flux filled headed studs, automatically end welded to the front flange of the soldier piles.



LIFTING HOLE DETAIL



STUD SHEAR CONNECTOR DETAIL



SECTION A-A

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

TYLIN INTERNATIONAL

SHEET 17 OF 33

REVISIONS NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)
RETAINING WALL ALONG STATE ST.
93RD ST. TO 91ST ST.
WALL 2B

WALL CROSS SECTIONS & DETAILS (1 OF 2)

S.N. 016-W961 — DESIGNED BY: MI, DJR
SCALE: N.T.S. — DRAWN BY: DJR, MAF
DATE: MARCH 18, 2005 — CHECKED BY: TD, MI