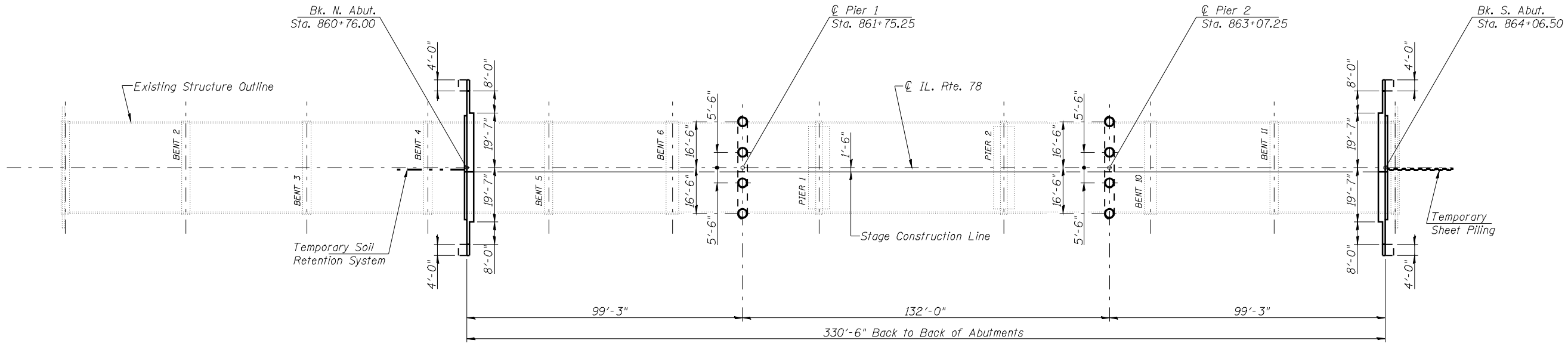
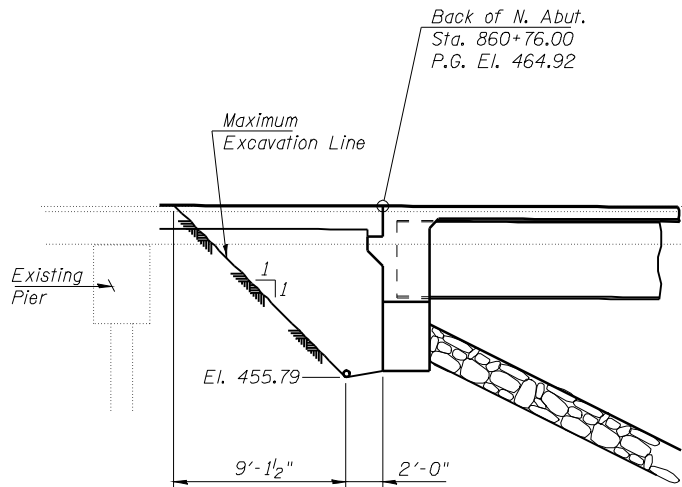


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

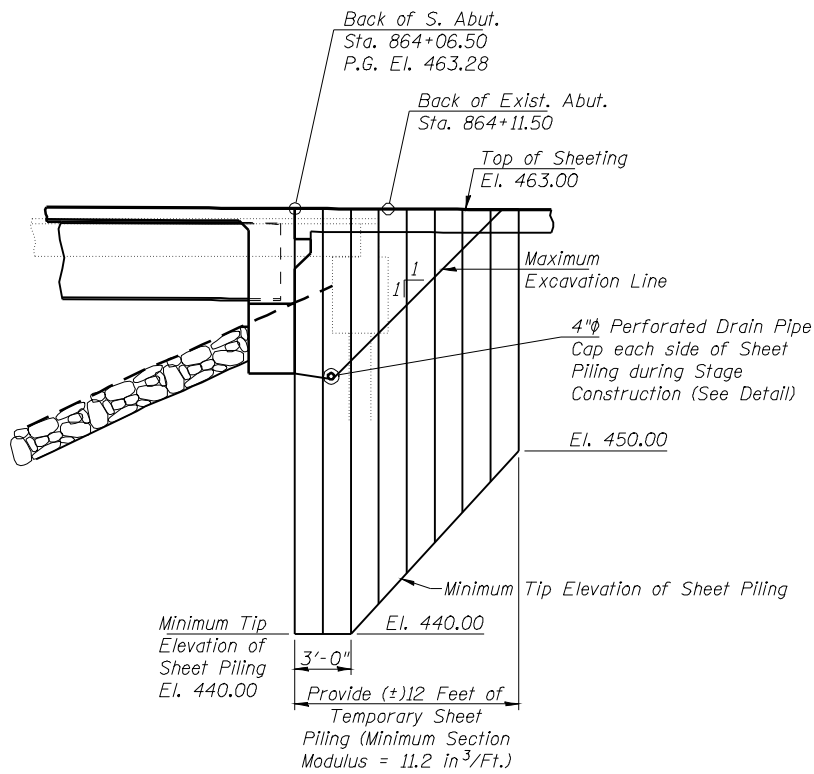


SUBSTRUCTURE LAYOUT



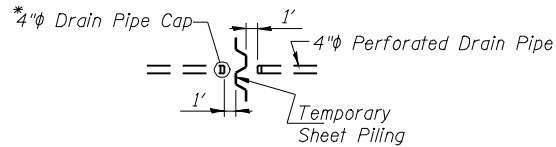
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

TEMPORARY SOIL RETENTION SYSTEM
(North Abutment)



If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

TEMPORARY SHEET PILING
(South Abutment)



DRAIN PIPE DETAIL AT SHEET PILING

*Included in the cost of Pipe Underdrains for Structures.

SUBSTRUCTURE LAYOUT
F.A.P. 614 (IL 78) OVER WOLF LAKE
(PUBLIC BODY OF WATER)
SECTION 144 (B-2)
MASON COUNTY
STA. 862+41.25
STRUCTURE NUMBER 063-0500

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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 Hanson Professional Services Inc.		DATE 03/27/09	29 SHEETS		CONTRACT NO. 72A76					
				FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT			

Mon 3/2/2009 07:57:23 AM
C:\WORK\PROJECTS\144\144B\144B-2\144B-2.dwg Master Sheet Final.dgn

LAYOUT	TEH	10/25/08
DRAWN	ROD	12/16/08
REVIEWED	TEH	12/19/08