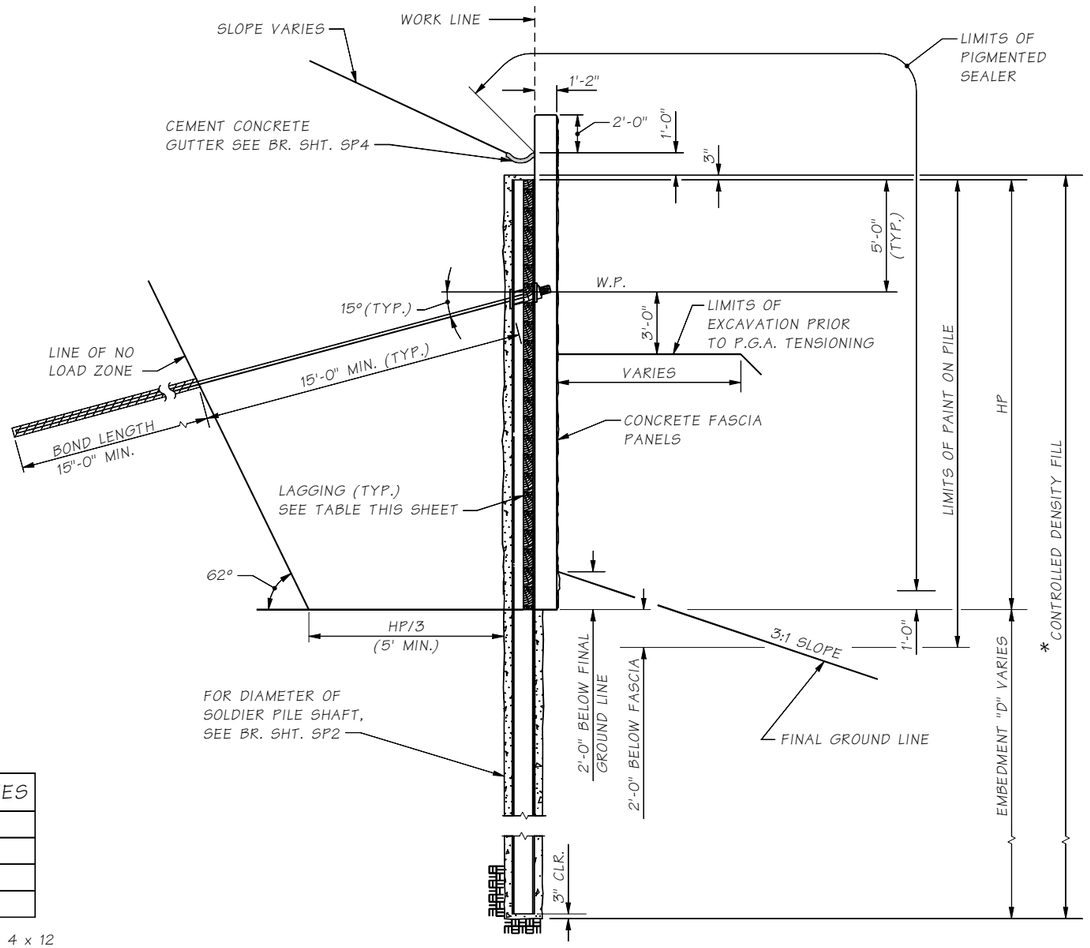
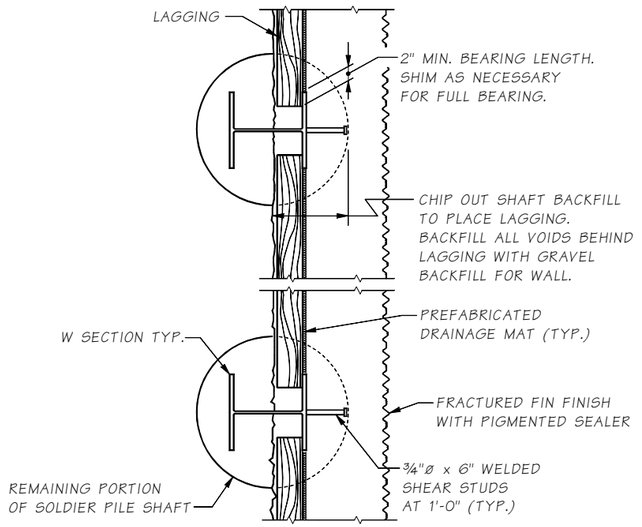


TYPICAL SECTION

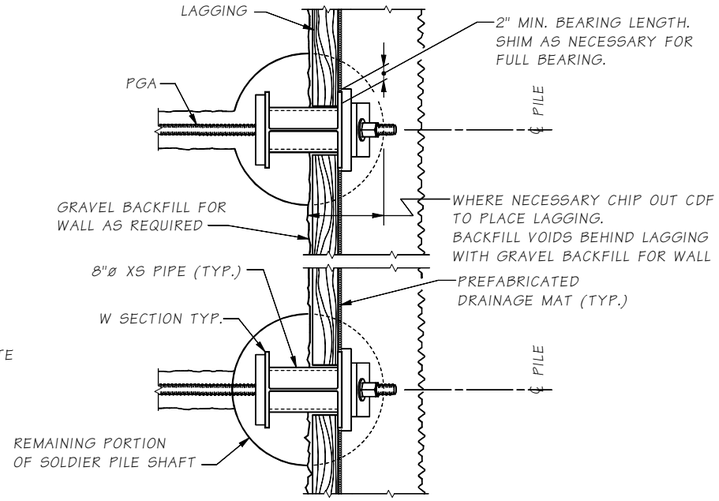
SHOWN FOR SOLDIER PILE WITH P.G.A.
SIMILAR FOR SOLDIER PILE WITHOUT P.G.A.

P.G.A.= PERMANENT GROUND ANCHOR

* USE CONTROL DENSITY FILL WHEN PLACED IN THE DRY. USE LEAN PUMPABLE CONCRETE WHEN PLACED IN THE WET.



PLAN - SOLDIER PILE WALL WITHOUT P. G. A.



PLAN - SOLDIER PILE WALL WITH P. G. A.

μ TIMBER LAGGING SIZES	
τ DEPTH (FT)	τ SIZE
0 - 9	4 x
9 - 18	6 x
18 - 30	8 x

4 x - OPTIONAL 4 x 8, 4 x 10 OR 4 x 12
6 x - OPTIONAL 6 x 8, 6 x 10 OR 6 x 12
8 x - OPTIONAL 8 x 8, 8 x 10 OR 8 x 12

NOTES TO DESIGNER:

τ DEPTHS AND SIZES SHOWN ARE ONLY AN EXAMPLE. FILL IN THE TABLE ACCORDING TO THE EARTH PRESSURE DIAGRAM AND RECOMMENDATIONS FROM THE GEOTECHNICAL SERVICES BRANCH, BASED ON LRFD TIMBER DESIGN FOR PERMANENT LAGGING.

μ DETERMINE, IF POSSIBLE, THE TIME LENGTH THAT THE WALL LAGGING WILL BE USED AS THE PRIMARY STRUCTURAL MEMBER IN THE TRANSVERSE DIRECTION BEFORE A PERMANENT WALL FASCIA IS APPLIED.

SR JOB NO. 0 SHEET 0

8.1-A3-2B

Bridge Design Engr.	M:\Personal\Bennion\window files\Lagging 2.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor					10	WASH.			
Designed By					JOB NUMBER				
Checked By									
Detailed By									
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist	DATE	REVISION	BY	APP'D					

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

LAGGING IN SERVICE 36 MONTHS OR LONGER

BRIDGE SHEET NO. 0

SHEET OF SHEETS

Tue Aug 07 10:19:55 2007