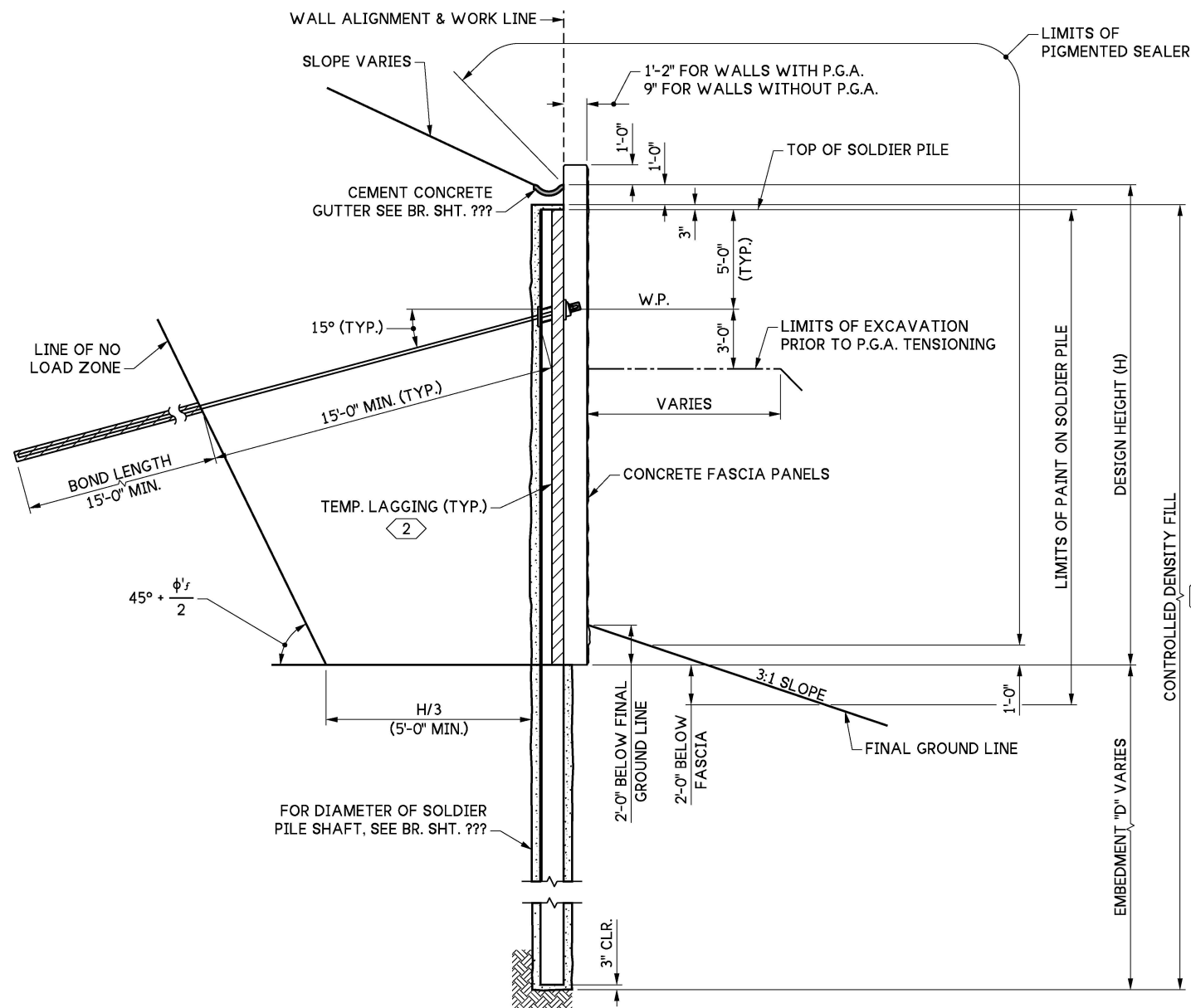


LAST REVISED: 10/14/2025



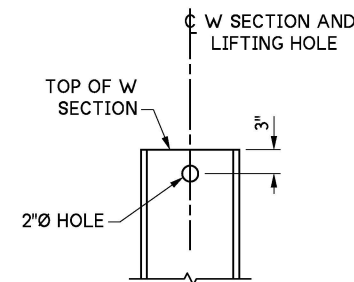
**TYPICAL SECTION**  
 SHOWN FOR SOLDIER PILE WITH P.G.A.  
 SIMILAR FOR SOLDIER PILE WITHOUT P.G.A.  
 P.G.A. = PERMANENT GROUND ANCHOR

**NOTES TO DESIGNER:**

- FOR WALLS WITH P.G.A. USE A SECTION SIZE WITH A FLANGE WIDTH BIGGER THAN OR EQUAL TO HP12x53 OR W12x65.
- COORDINATE THE ARCHITECTURAL FINISH WITH THE BRIDGE ARCHITECT AND REVISE THESE DETAILS ACCORDINGLY.

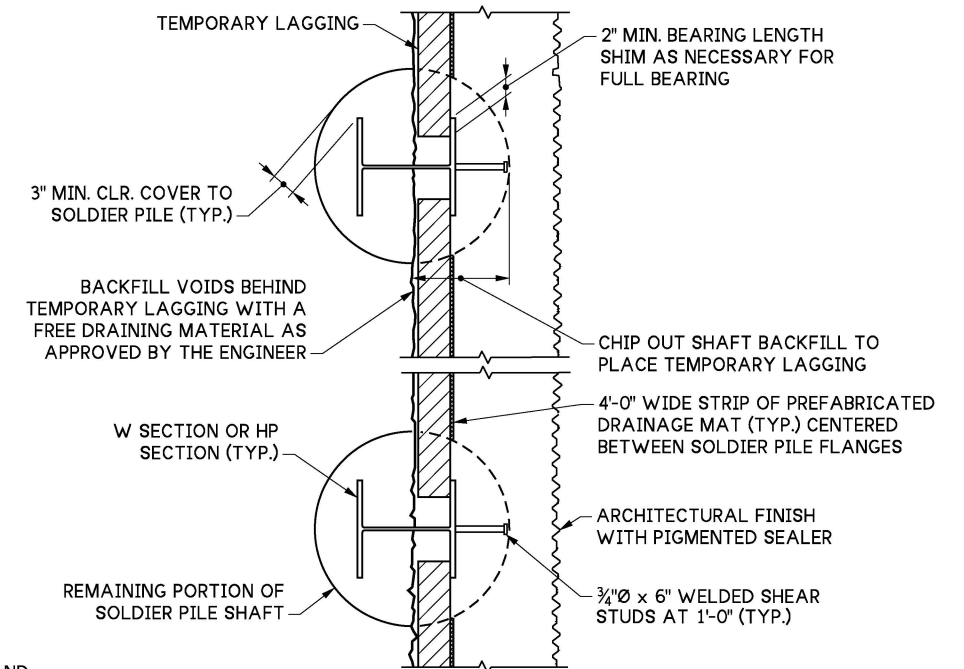
**KEY NOTES:**

- USE EITHER CONTROLLED DENSITY FILL OR LEAN CONCRETE TYPE 1 WHEN PLACED IN THE DRY. USE LEAN CONCRETE TYPE 1 WHEN PLACED IN THE WET.
- TEMPORARY LAGGING SHALL CONFORM TO STANDARD SPECIFICATION SECTION 6-16.3(6).

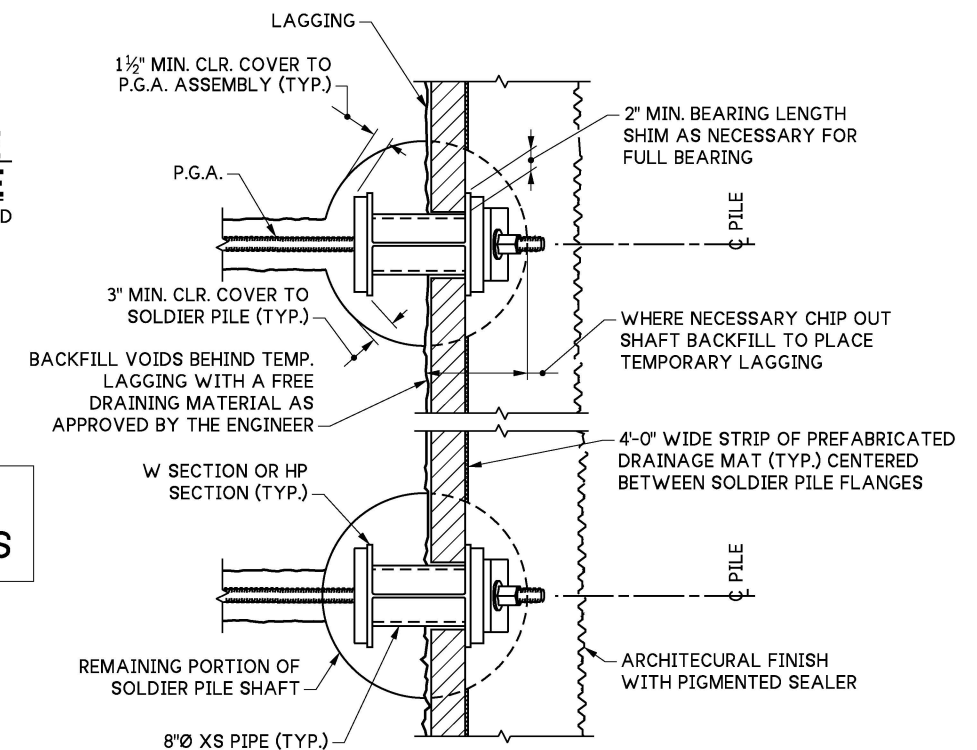


**SOLDIER PILE LIFTING HOLE**  
 LIFTING HOLE TO BE DRILLED IN THE SHOP PRIOR TO PAINTING THE PILE

LAGGING IN SERVICE LESS THAN 36 MONTHS



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



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

8.1-A3-2

|                   |  |      |    |  |
|-------------------|--|------|----|--|
| FILE NAME         | 8.1-A3-2_Soldier Pile-Tieback Details 1 of 3.dgn |      |    |  |
| BRIDGE DES. ENG.  |  |      |    |  |
| BRIDGE PROJ. ENG. |  |      |    |  |
| SUPERVISOR        |  |      |    |  |
| DESIGNED BY       |  |      |    |  |
| CHECKED BY        |  |      |    |  |
| ENTERED BY        |  |      |    |  |
| PRELIM. PLAN BY   |  |      |    |  |
| ARCH. / SPEC.     |  |      |    |  |
|                   | REVISION   | DATE | BY |  |

|              |       |
|--------------|-------|
| REGION No.   | STATE |
| 10           | WASH  |
| JOB NUMBER   |       |
| CONTRACT NO. |       |

**WSDOT**

PRELIMINARY PLAN  
 NOT FOR CONSTRUCTION

|                              |                              |
|------------------------------|------------------------------|
| SEE CERTIFICATION SHEET DATE | SEE CERTIFICATION SHEET DATE |
| STAMP BOX                    | STAMP BOX                    |

|   |                       |
|---|-----------------------|
| STANDARD DESIGN DRAWINGS<br>WALLS             | PLAN REF NO           |
| SOLDIER PILE / TIEBACK WALL<br>DETAILS 1 OF 3 | SHEET<br>OF<br>SHEETS |