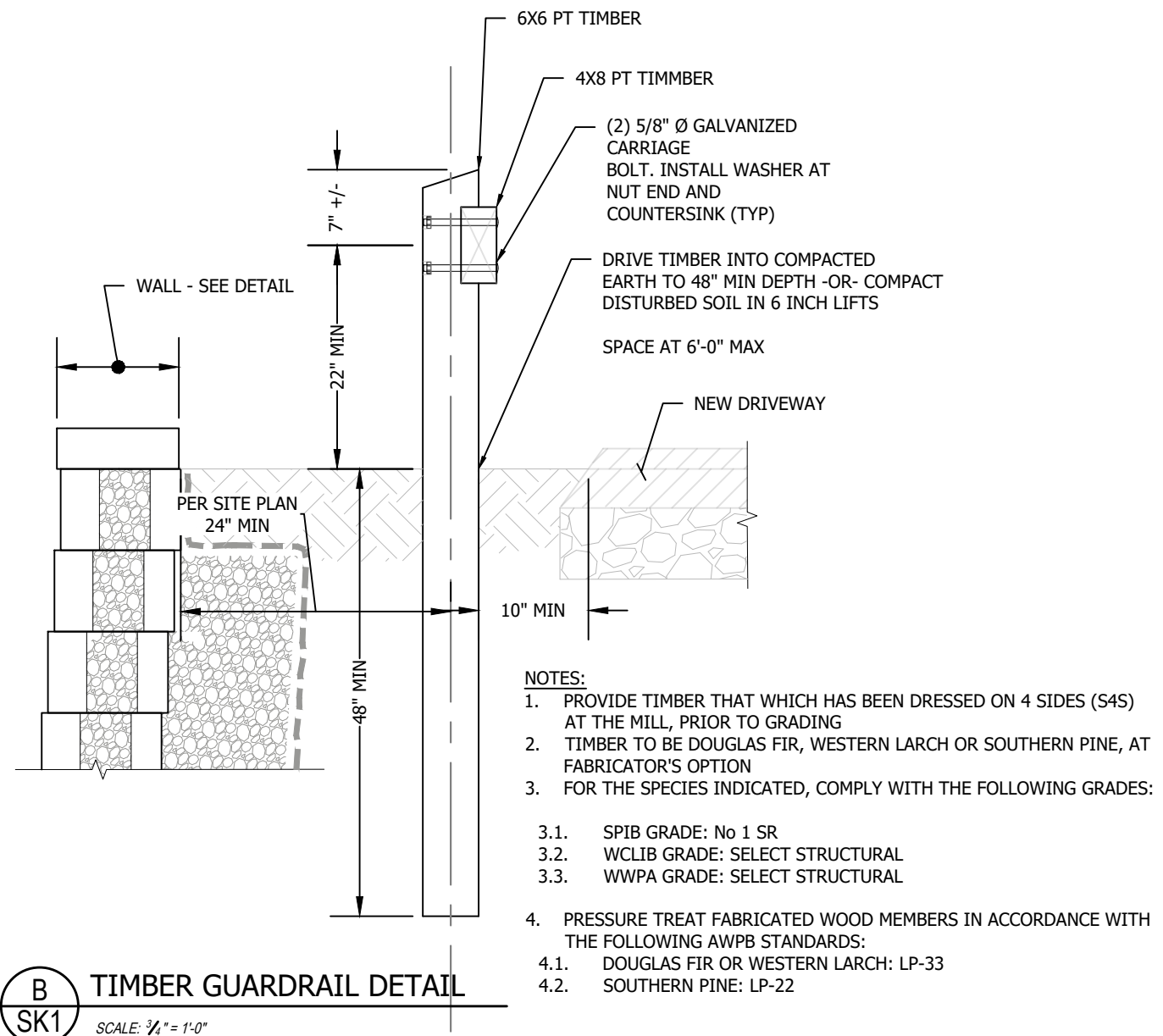


**A**  
SK1  
TYPICAL VERSA LOCK RETAINING WALL SECTION  
SCALE: 1/2" = 1'-0"



**B**  
SK1  
TIMBER GUARDRAIL DETAIL  
SCALE: 3/4" = 1'-0"

**VERSALOK RETAINING WALL NOTES:**

- GEOGRID TO HAVE AVERAGE APERTURE SIZE OF 1" AND TENSILE STRENGTH OF 850 LB/FT.
- VERSALOK MODULAR CONCRETE UNITS RETAINING WALL:
  - DRAINAGE: PROVIDE ENCADRAIN 3811 DRAINAGE MAT AND 40 MIL POLY BARRIER WITH C-33 SAND BEHIND WALLS.
  - FOOTING: WALL IS TO BE FOUNDED ON A 12"x24" GRAVEL FOOTING WITH 6" BASE AND 6" SUB-BASE, SEE DETAIL MATERIAL SPECIFICATIONS BELOW.
- IMPORTED MATERIAL SPECIFICATIONS:
  - GRAVEL:
 

MAXIMUM PARTICLE SIZE:	1-INCH
NO. 4 SIEVE (% PASSING):	0 %
  - FOOTING BASE:
 

MAXIMUM PARTICLE SIZE:	3/4 INCH
NO. 100 SIEVE (% PASSING):	10-30 %
  - FOOTING SUB-BASE:
 

MAXIMUM PARTICLE SIZE:	2-INCH
NO. 4 SIEVE (% PASSING):	0 %

- ALL FOOTINGS AND FOUNDATIONS HAVE BEEN DESIGNED TO BEAR ON UNDISTURBED SOIL HAVING AN ASSUMED MINIMUM ALLOWABLE BEARING CAPACITY OF 1 TON PER SQUARE FOOT (TSF).
- ALL NEW MATERIALS PLACED - INCLUDING FILL, GRAVEL, AND FOOTING MATERIALS - SHALL BE COMPACTED IN MAXIMUM 6-INCH LIFTS TO 90-95% OF MODIFIED PROCTOR DENSITY. COMPACTION SHOULD BE DONE WHEN FILL MATERIAL IS STILL MOIST, SHORTLY AFTER PLACING (10-15% MOISTURE CONTENT).
- MATERIAL COMPACTION SHALL BE DETERMINED BY ASTM DESIGNATION D2922-81, OR OTHER APPROVED NUCLEAR DENSITY TESTING DEVICE. MINIMUM COMPACTION TESTING IN THREE LOCATIONS HORIZONTALLY. TESTING TO INCLUDE NATIVE SOIL STRATUM AND AT FINAL FOOTING ELEVATION. SUBMIT COMPACTION TESTS TO ENGINEER PRIOR TO ANY CONCRETE WORK.
- TYPICAL SECTION SHOWN AT MAXIMUM WALL HEIGHT, OTHER HEIGHTS SIMILAR. CONTRACTOR SHALL CONSULT ENGINEER IF FINAL RETAINING WALL IS GREATER THAN DESIGNED AND SHOWN ON THIS PLAN (SEE DETAIL).
- CONSULT ENGINEER (SSB) BEFORE CONSTRUCTION, IF CONDITIONS VARY FROM THE ENGINEERING DESIGN ASSUMPTIONS.

 <b>SSB</b> ENGINEERING, LLC SSB Engineering, LLC 146 Front Street   Scituate, MA 02066 857.504.1065	PROJECT <b>26 LAZELL ST</b> HINGHAM, MA 02043	<b>DETAILS</b>	
	CLIENT <b>EMBR</b> HINGHAM, MA 02043	PREPARED BY HAKOLA	SHEET <b>SK1</b>
		DATE NOVEMBER 06, 2023	