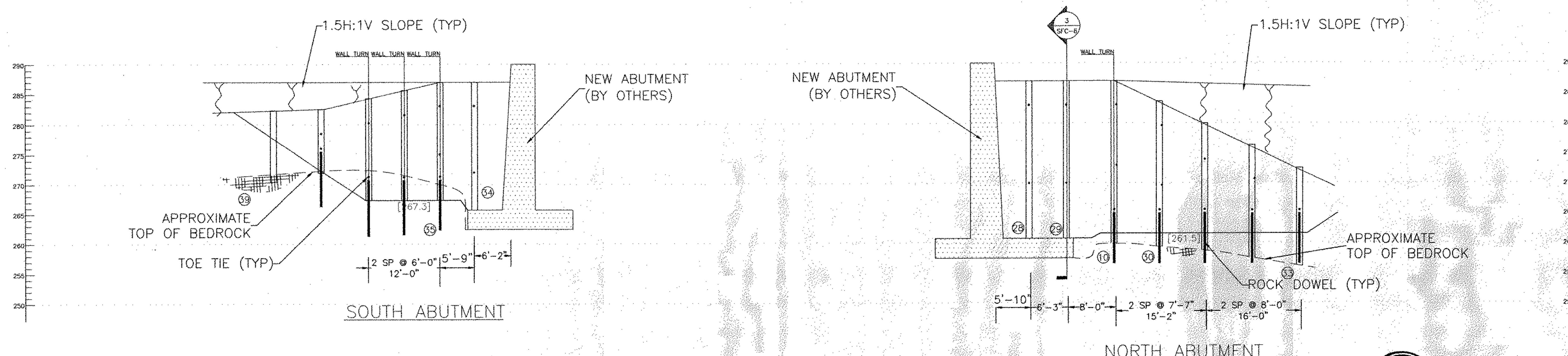



PHASE 1 EXCAVATION SUPPORT ELEVATION



PHASE 2 EXCAVATION SUPPORT ELEVATION

NOTE:
 - ELEVATION VIEW SHOWS PILES IN WORST CASE SITUATION WHERE TOP OF ROCK IS LOCATED AT OR BELOW BOTTOM OF FOOTING. ACTUAL PILE WILL BE DRILLED TO TOP OF COMPETENT ROCK OR 5FT BELOW BOTTOM OF EXCAVATION, WHICHEVER IS HIGHER.
 - ROCK DOWEL AND TOE TIE ARE NOT REQUIRED IF BOTTOM OF PILE IS INSTALLED TO 5FT BELOW BOTTOM OF EXCAVATION.
 - ROCK DOWEL IS NOT REQUIRED IF BOTTOM OF PILE IS INSTALLED WITHIN 2FT OF BOTTOM OF EXCAVATION.
 - COORDINATE INSTALLATION OF LAGGING TO MINIMIZE OPEN CUT FACE AT TIME OF TRAIN PASSING.


 Harry W. Schnabel, P.E.
 Vermont P.E. No. 7291

REVISIONS			Excavation Support Phase 1, 2 - Elevations	
NO	DATE	DESCRIPTION		
1	4/21/03	REVIEW COMMENTS/GEN. REVISIONS	Route 9 Improvements	
			Brattleboro, Vermont	
Schnabel Foundation Company Engineers and Contractors 200 Turnpike Road Southborough, Massachusetts Atlanta • Denver • Chicago Houston • Los Angeles • Philadelphia San Francisco • Washington D.C.			Date: 02/27/03	Job Number: 06-3392
			Scale: 1/8"=1'-0"	Drawing No: SFC-4

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