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RAILROAD SHORING DETAIL

HINDE ENGINEERING
License No. C-2639
401 Harrison Oaks Blvd., Suite 220 Cary, NC 27513

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
I-2513 AA/AB	UC-3F
DESIGNED BY: JKC	
DRAWN BY: JKC	
CHECKED BY: CLS	
APPROVED BY: CDB	
REVISED:	

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC.
PHONE:(919)707-6690
FAX:(919)250-4151

NORTH CAROLINA PROFESSIONAL SEAL 12301 ENGINEER CASEY D BOUSQUET
DocuSigned by: Casey D. Bousquet, PE
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11/20/2023
UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

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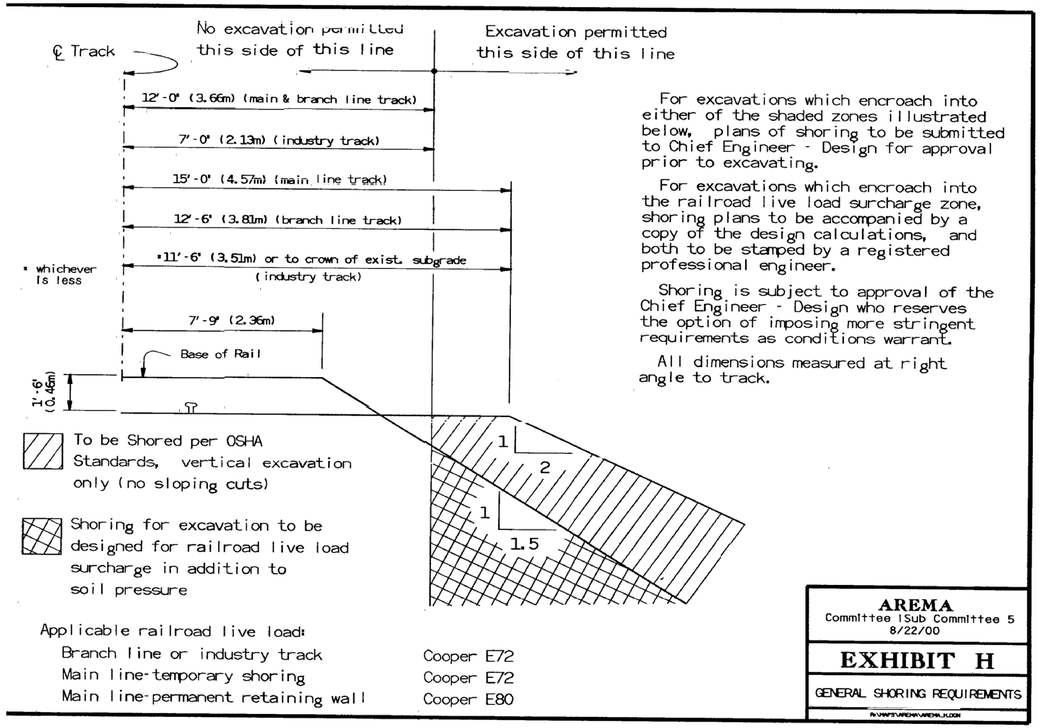

For excavations which encroach into either of the shaded zones illustrated below, plans of shoring to be submitted to Chief Engineer - Design for approval prior to excavating.

For excavations which encroach into the railroad live load surcharge zone, shoring plans to be accompanied by a copy of the design calculations, and both to be stamped by a registered professional engineer.

Shoring is subject to approval of the Chief Engineer - Design who reserves the option of imposing more stringent requirements as conditions warrant.

All dimensions measured at right angle to track.

Figure 1-5-22. General Shoring Requirements

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