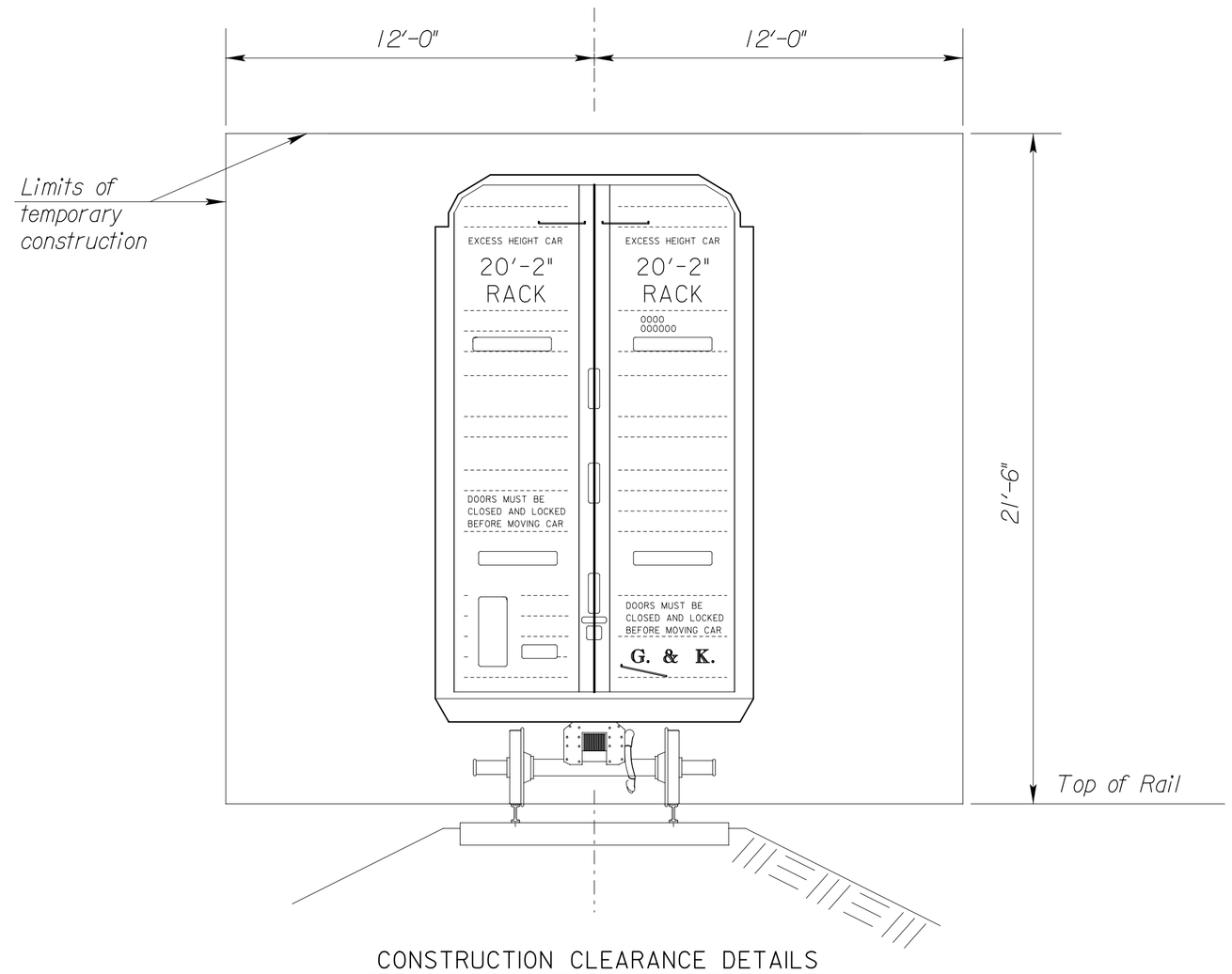
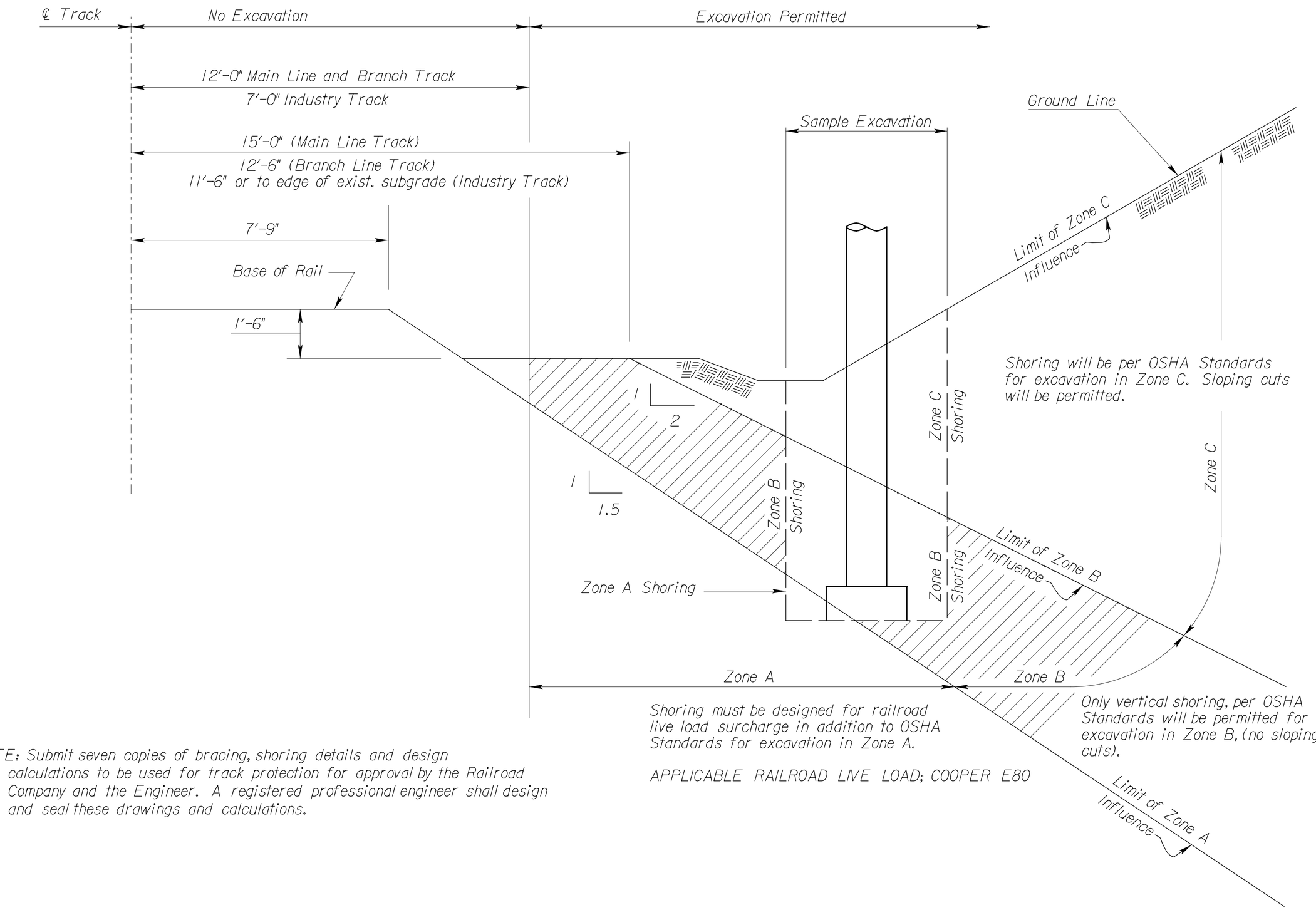
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	R5.11	



CONSTRUCTION CLEARANCE DETAILS

* *Clearances may not be attainable at all locations. If the clearances cannot be met, see the Construction Layout sheet for a sketch of Railroad approved clearances.*

RAILROAD PROTECTION: Execute the work in such a manner and take any precautions necessary to prohibit broken concrete and other debris from falling on and damaging the rails, ties, ballast or other railroad property. As much as possible, do the work so as not to interfere with the normal use of the tracks. The Railroad Company and the Engineer shall approve the methods of protection proposed by the Contractor before any work begins.



Shoring must be designed for railroad live load surcharge in addition to OSHA Standards for excavation in Zone A.

APPLICABLE RAILROAD LIVE LOAD; COOPER E80

NOTE: Submit seven copies of bracing, shoring details and design calculations to be used for track protection for approval by the Railroad Company and the Engineer. A registered professional engineer shall design and seal these drawings and calculations.

TRACK PROTECTION SHORING REQUIREMENTS

(All dimensions are measured perpendicular to ℄ track.)

NOTE: The location of the theoretical lines that denote the "Zones of Influence" do not necessarily correspond to the geometrics of the track. Use the applicable shoring requirements within the defined zones.

NO.	DATE	REVISIONS	BY	APP'D
4	5-01-00	Revised shoring requirements	RAM	KFH
3	4-2-99	New Constr. Clearance Details	RAM	KFH
2	11-17-97	Revised Sl Vert. Clearance	RAM	KFH
1	4-4-97	Add US dimensions	LRR	KFH

KANSAS DEPARTMENT OF TRANSPORTATION

Br. No. Sta.

RAILROAD CLEARANCE AND TRACK PROTECTION

BRI05 Co.

FHWA APPROVAL	5-01-00		APP'D	KENNETH F. HURST	
DESIGNED	DETAILED	GFK	QUANTITIES	CADD	
DESIGN CK.	DETAIL CK.	LRR	QUAN. CK.	CADD CK.	

Std. Base File:	br105.dgn	Plot Location:	$UNIT$
Plotted By:	JGraham		
File:	$$$$$$$$$$$DOHSPEC$$$$$$$$$$$$$$		
Plot Date:	04-JAN-2005 08:13		