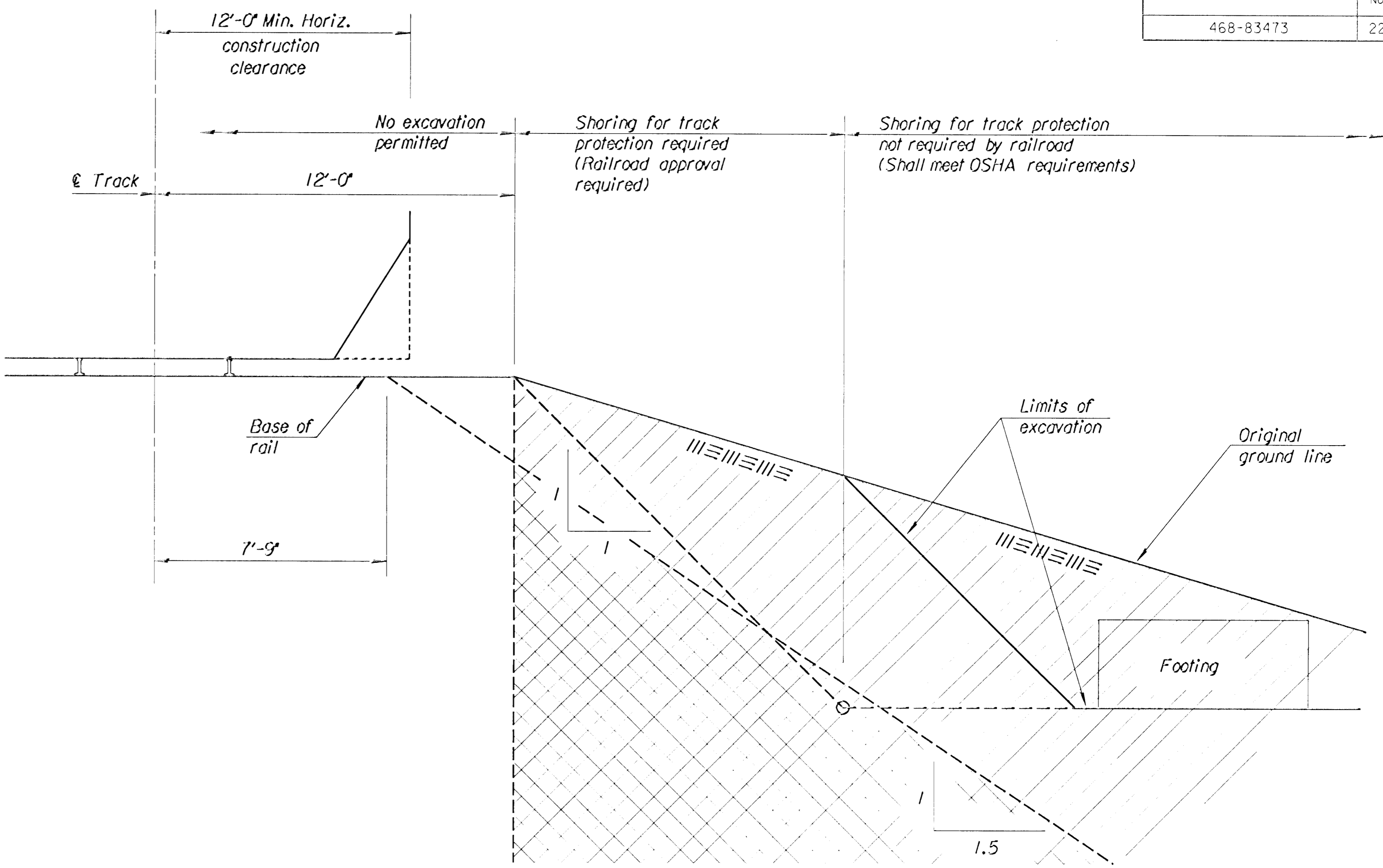
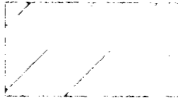
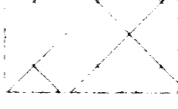


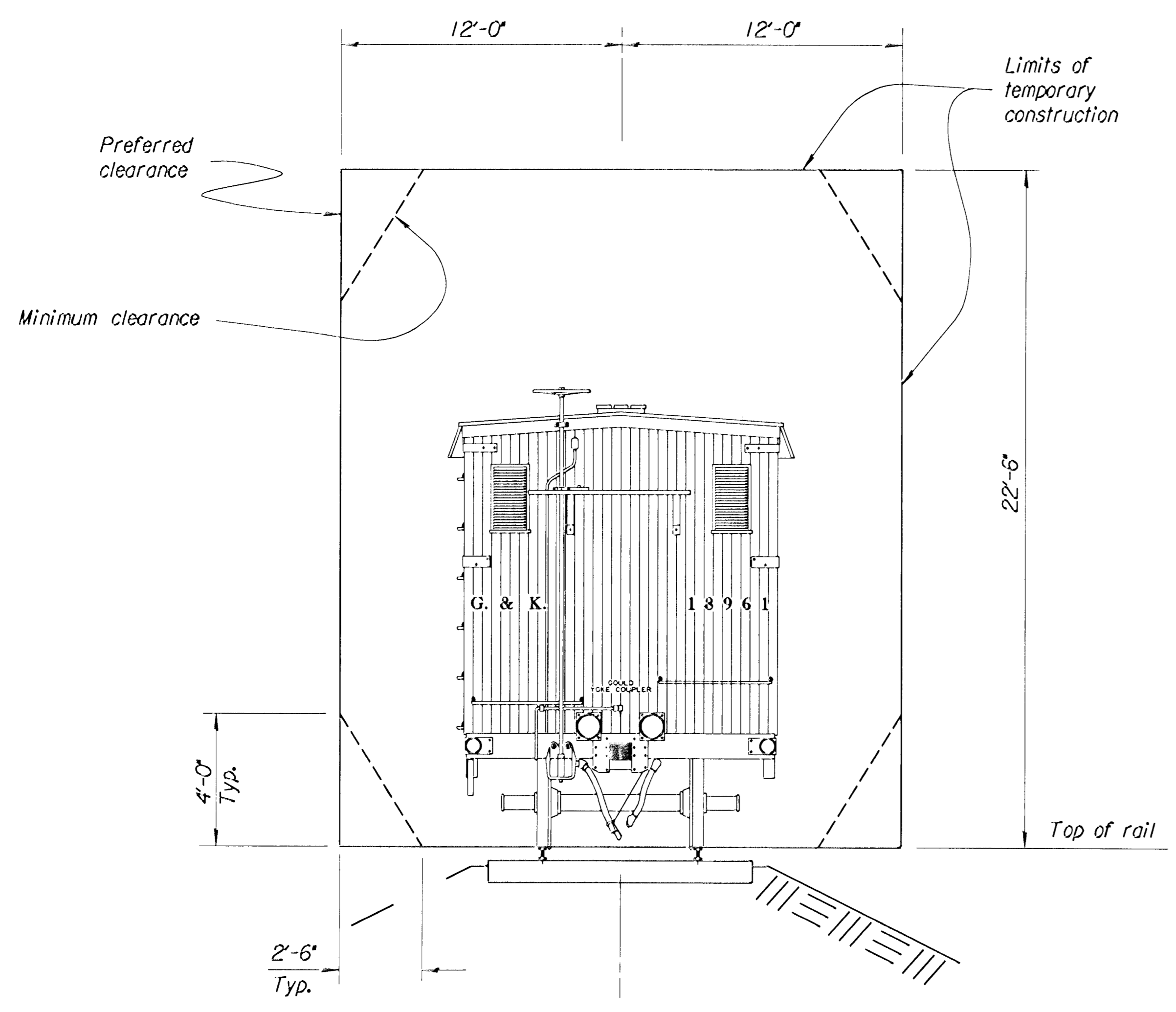
PROJECT NO.	SHEET NO.	TOTAL SHEETS
468-83473	22	60



Note: Submit seven copies of bracing and shoring details 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.

-  Design shoring per OSHA requirements
-  Design shoring per railroad live load surcharge (Cooper E80) in addition to soil pressure.

DESIGN GUIDE FOR TRACK SHORING



CONSTRUCTION CLEARANCE DETAILS
(KCC Minimum Clearances)

Note: Minimum clearance dimensions are shown as guidelines. Clearance less than shown may be used, but requires special consideration by the Railroad and/or KDOT.

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.

Plotted By : dfp
 Plot File : i:/1999/99189/Bid set 2/Standards/105_0.dgn
 Plot Date : 5-18-02
 Std. Base File : /usr2/stand/pr/0500.dgn
 Server File :
 Server :
 View: PLOT1

NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION				
RAILROAD CLEARANCE AND TRACK PROTECTION				
STD. NO. 105				
FHWA APPROVAL	6-13-94	APP'D	KENNETH F. HURST	
DESIGNED	DETAILED	GFK QUANTITIES	TRACED	
DESIGN CK.	DETAIL CK.	LRR QUAN. CK.	TRACE CK.	