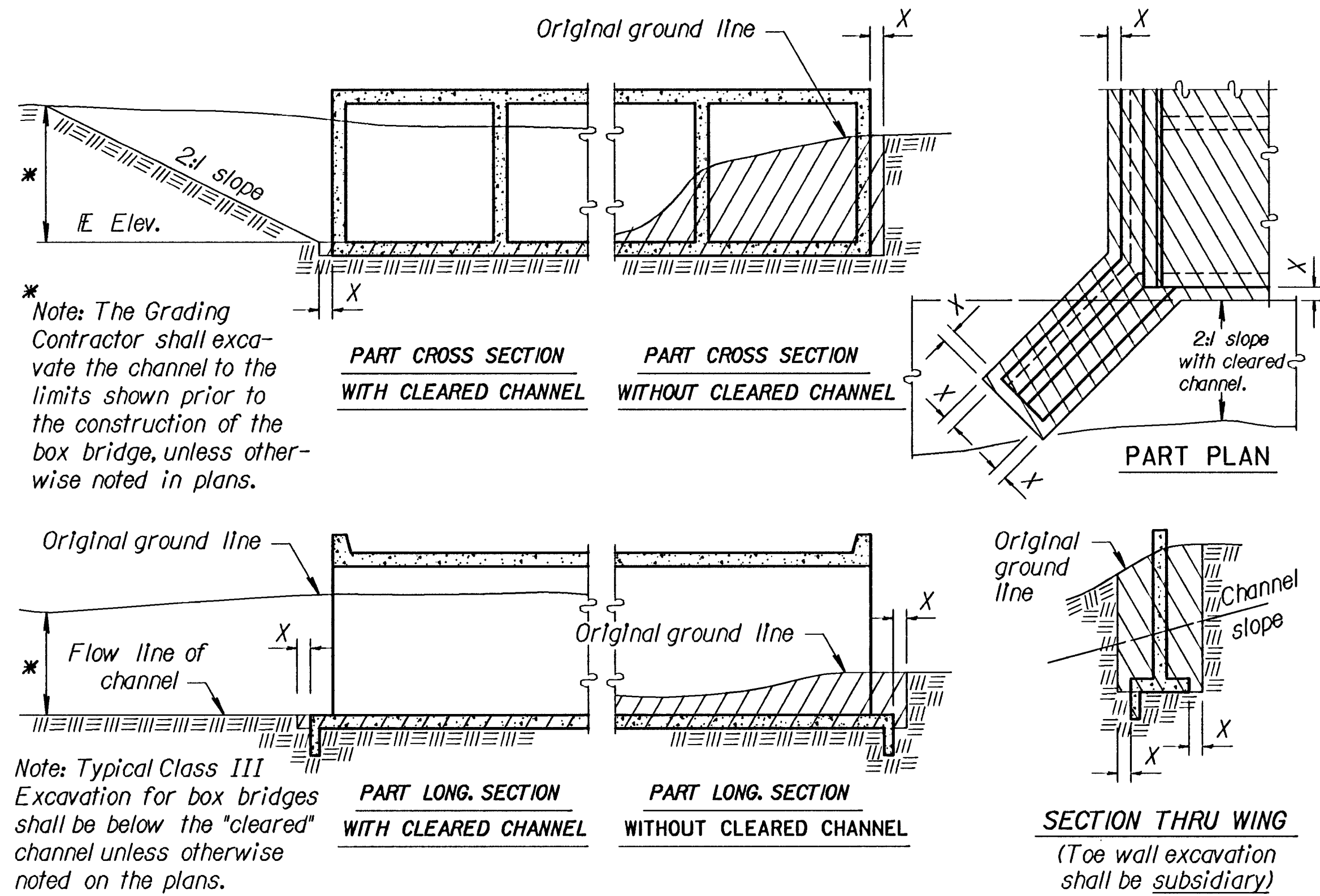


Plotted By : \$\$\$\$USERNAME\$\$\$
Plot File : \$\$\$\$DONTSPEC\$
Plot Date : \$\$\$\$SSTIME\$\$\$\$\$

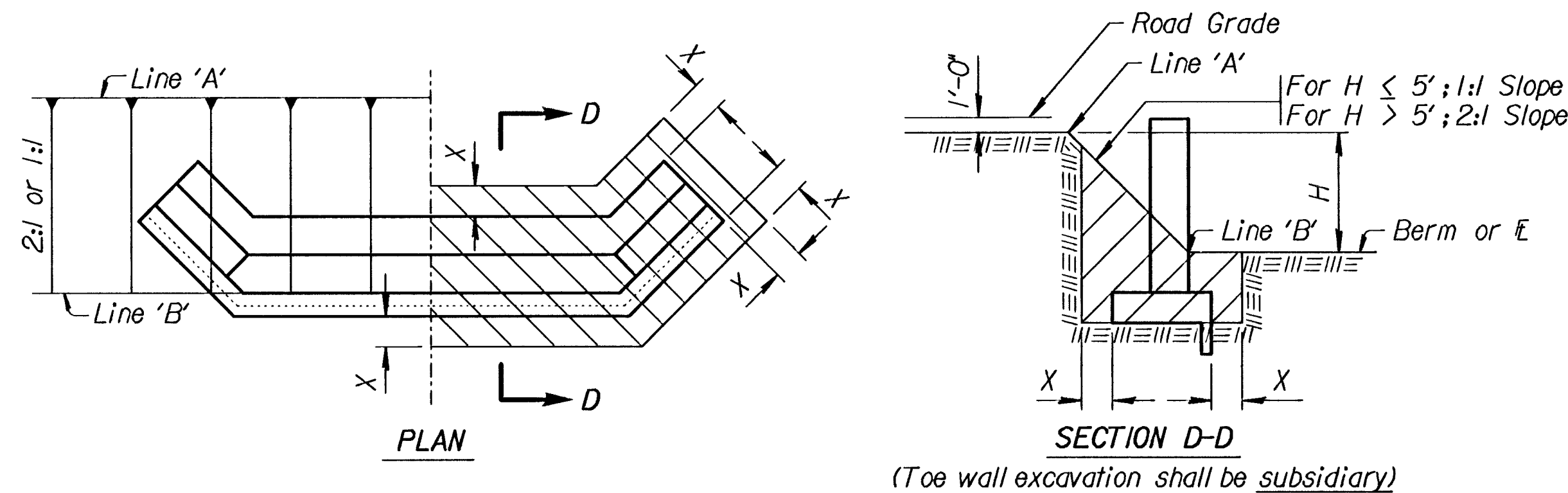
Std. Base File : \\usr2\stand\us\br\00.dgn
Server File : \\usr2\
Server : wltch

View= PLOT L

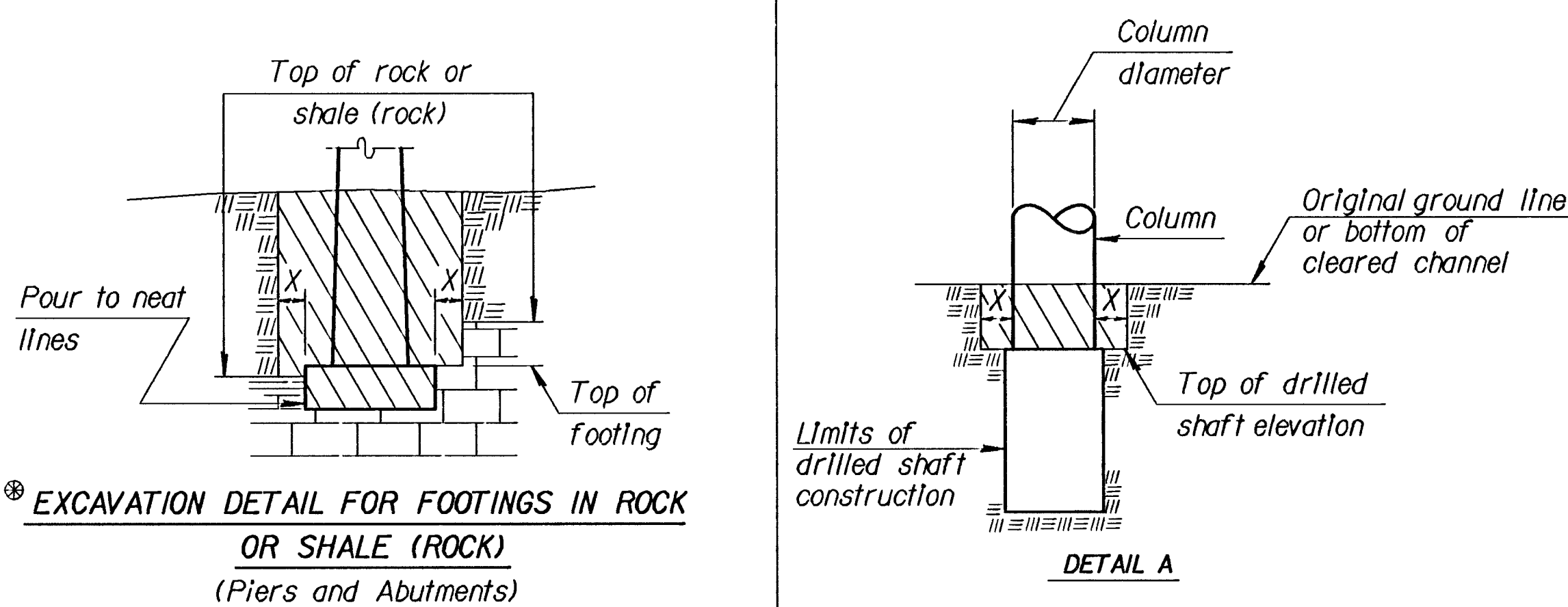


EXCAVATION DETAILS FOR REINFORCED CONCRETE BOX CULVERT

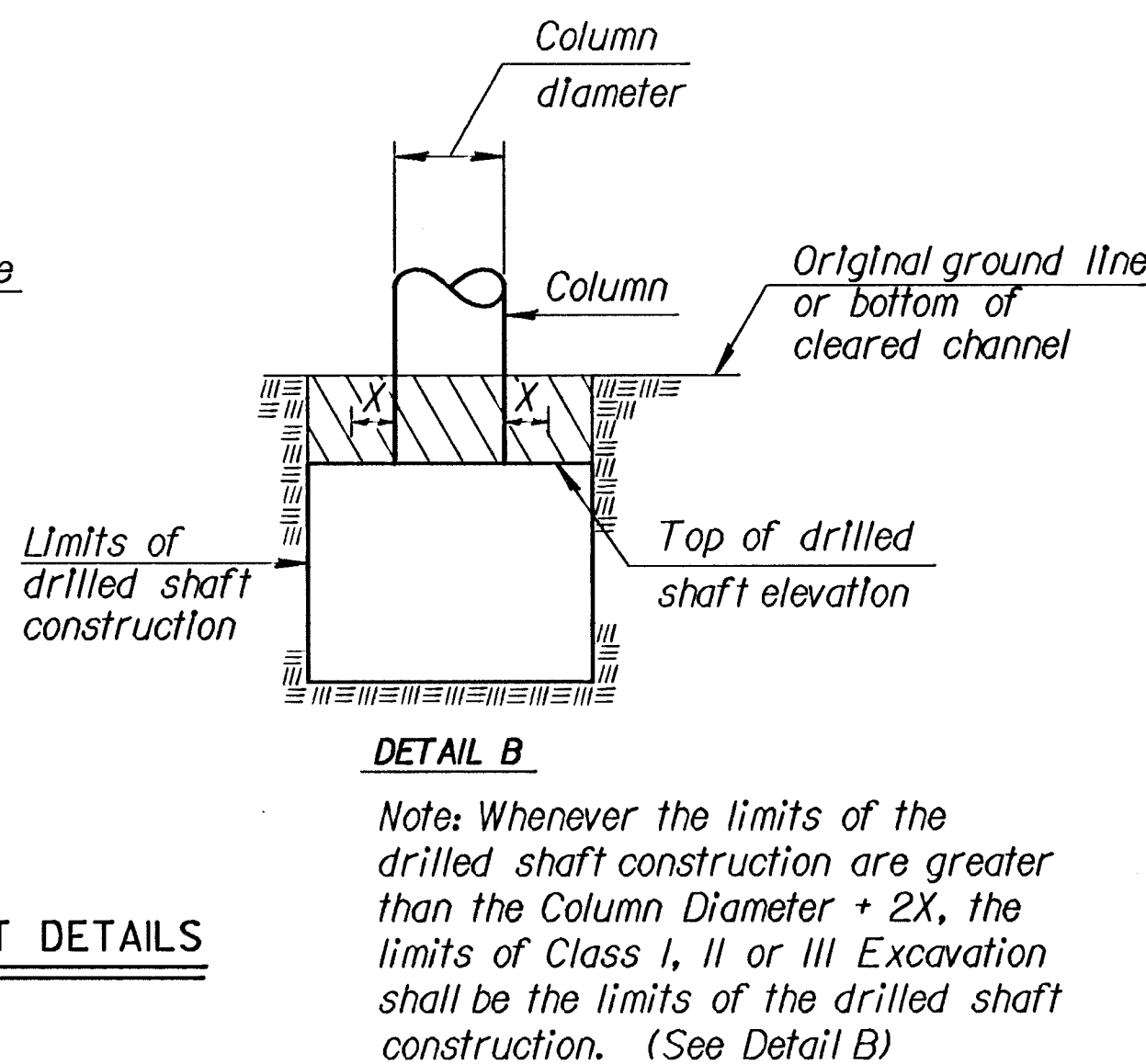
Note: Excavation for culverts less than bridge length shall not be paid for as Class III Excavation but shall be subsidiary to Class AAA Concrete.



EXCAVATION DETAILS FOR ABUTMENTS WITH FLARED WINGWALLS

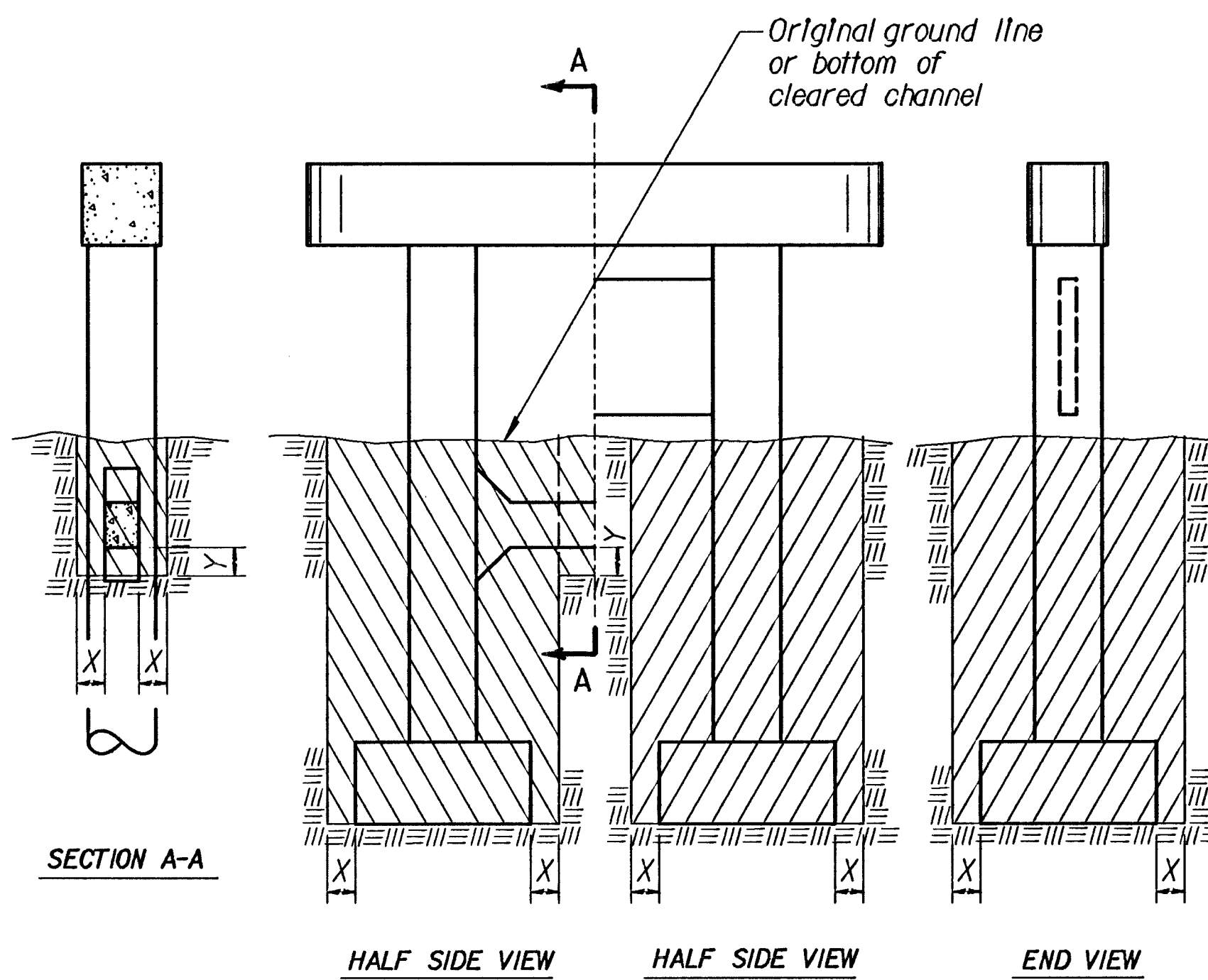


DRILLED SHAFT DETAILS



See detail when rock or shale (rock) is encountered. *

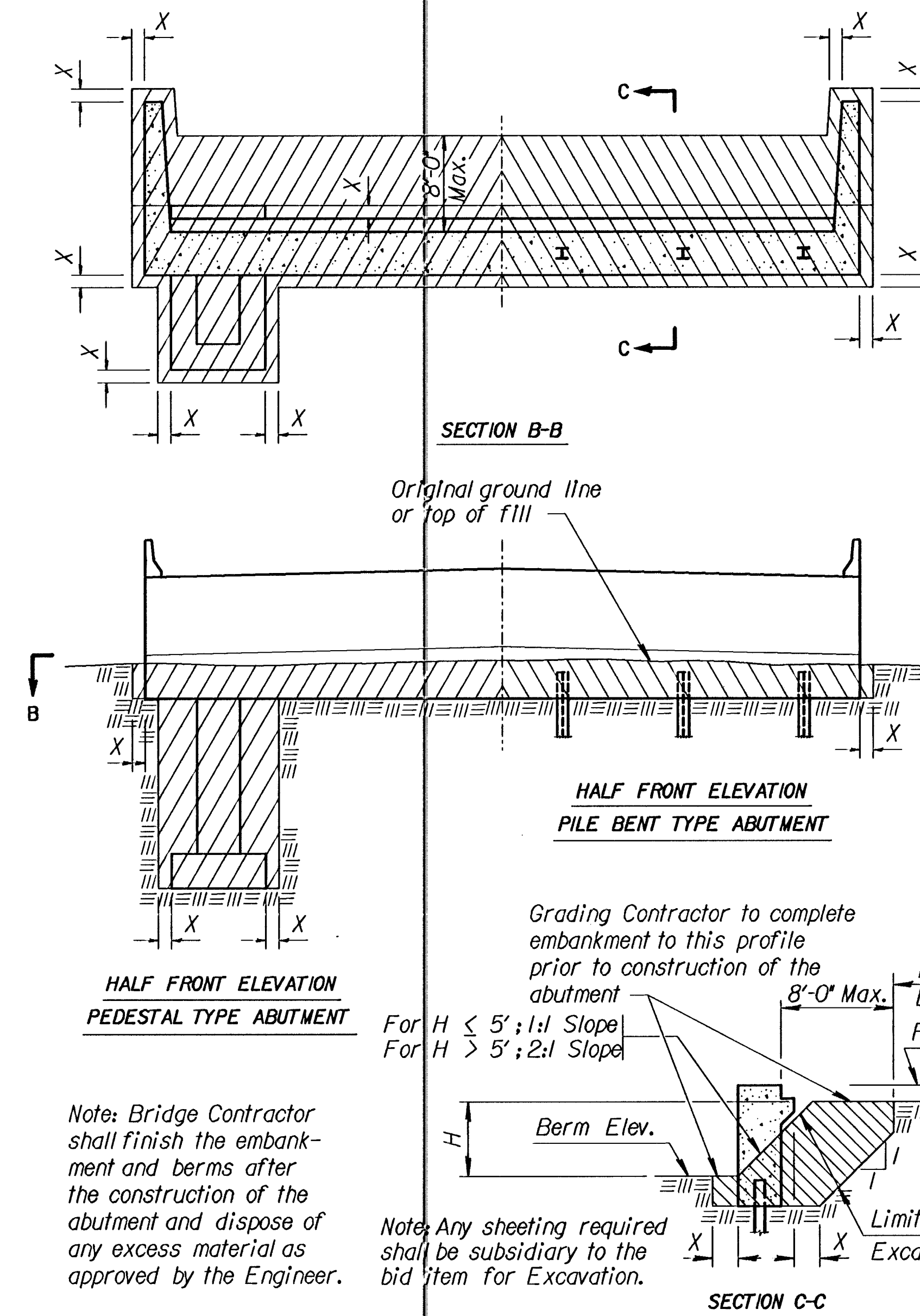
EXCAVATION DETAILS FOR TYPICAL PIERS



Note: Class II Excavation includes the entire volume of whatever nature found below the "Excavation Boundary Plane", within the limits specified for measurement. This may include water or air.

CLASS II EXCAVATION QUANTITIES

See detail when rock or shale (rock) is encountered. *



EXCAVATION DETAILS FOR TYPICAL ABUTMENTS

See detail when rock or shale (rock) is encountered. *

Note: All bridge excavation shall be computed on the basis of the cross-hatch areas and boundary lines indicated on this sheet and the Excavation Boundary Plane on the Construction Layout.

Sides of trenches in hard or compacted soil including embankments shall be shored, sheeted, braced or otherwise supported when the trench is more than 5 feet in depth and 8 feet or more in length. In lieu of the shoring the sides of the trench above the 5 foot level may be sloped to preclude collapse. The slope for average soils shall be 1:1. If the angle of repose of the soil is less, flatter slopes shall be required.

Dimension "X" shall be 2'-0" unless indicated otherwise on the general plans.

Dimension "Y" shall be 1'-6" unless indicated otherwise on the general plans.

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87N 0064-01	1997	44	130

5	8-12-95	Correct Section BB of abutment	LBB	KEH
4	1-30-95	Drilled Shaft Excavation	LBB	KEH
3	7-26-94	Change limits of abutment	LBB	KEH
2	1-26-93	Add Class 2 & Flared Wing det.	LBB	KEH
1	4-6-90	Change limits of abutments	LBB	KEH
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

BRIDGE EXCAVATION

BRIOO	9-8-95	APP'D	KENNETH E. HURST
FHWA APPROVAL	DESIGNED	DETAILED	FOR QUANTITIES
DESIGN CK.	DETAIL CK.	LBB	QUAN. CK.