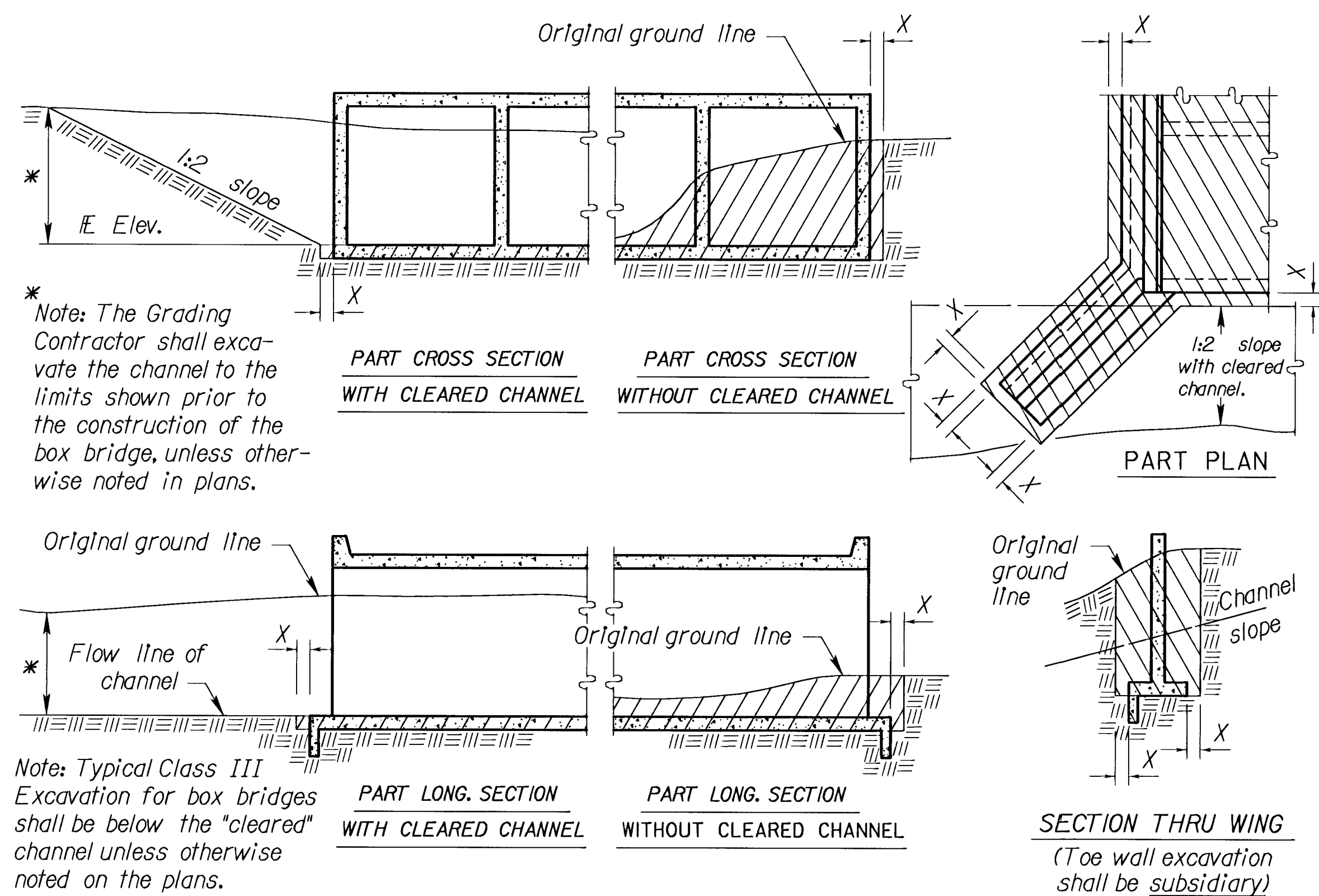
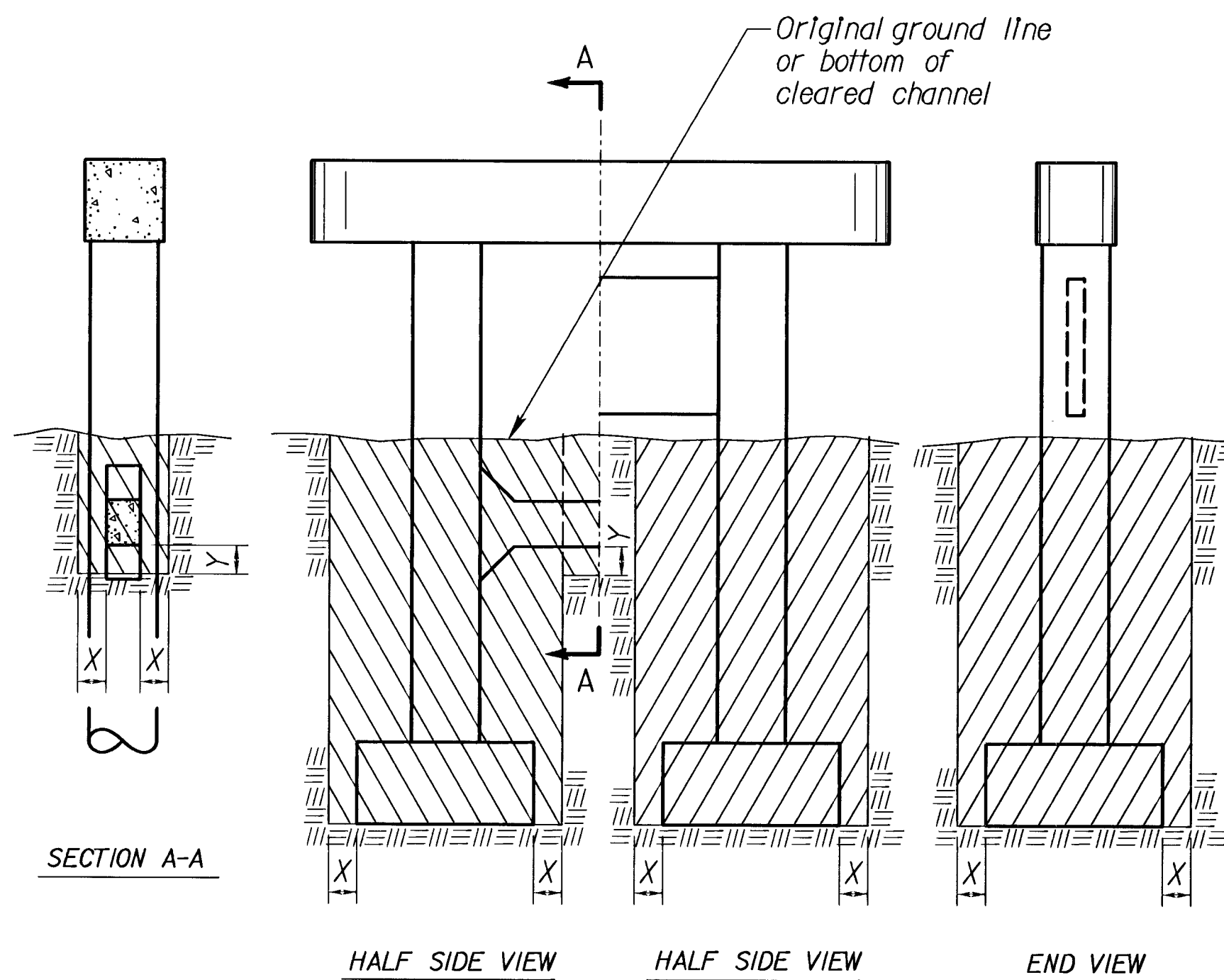


Std. Base File : /usr2/stand/isi/brl000i.dgn
Server File : /usr2/
Server : wjch
View= PLOT1
Plotted By : \$\$\$USERNAME\$\$\$
Plot File : \$\$\$\$\$\$DGNISPEC\$\$\$
Plot Date : \$\$\$SYTIME\$\$\$



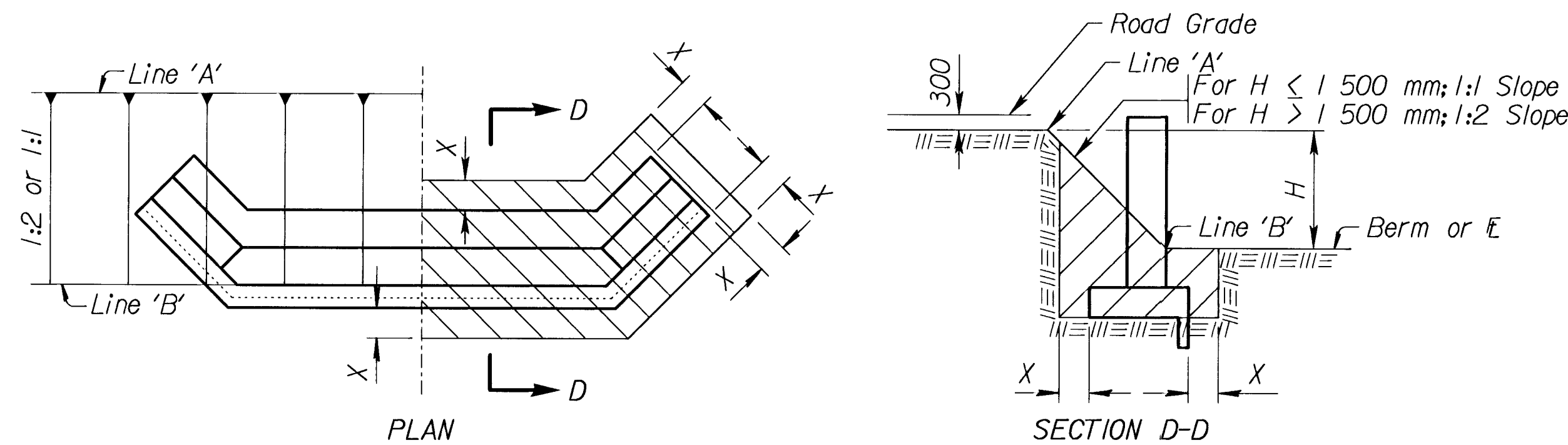
EXCAVATION DETAILS FOR REINFORCED CONCRETE BOX CULVERT

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.

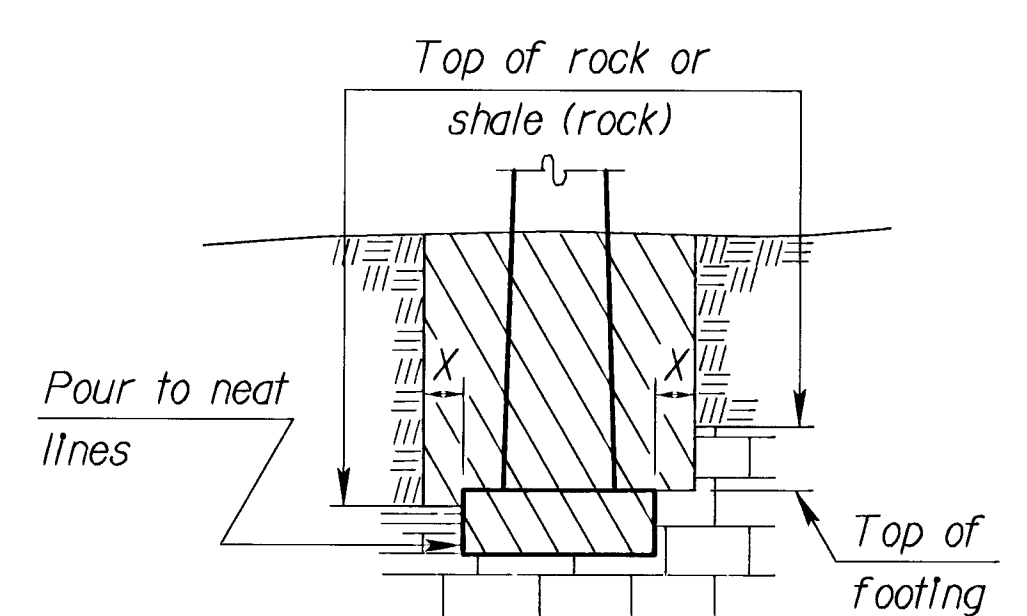


EXCAVATION DETAILS FOR TYPICAL PIERS

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

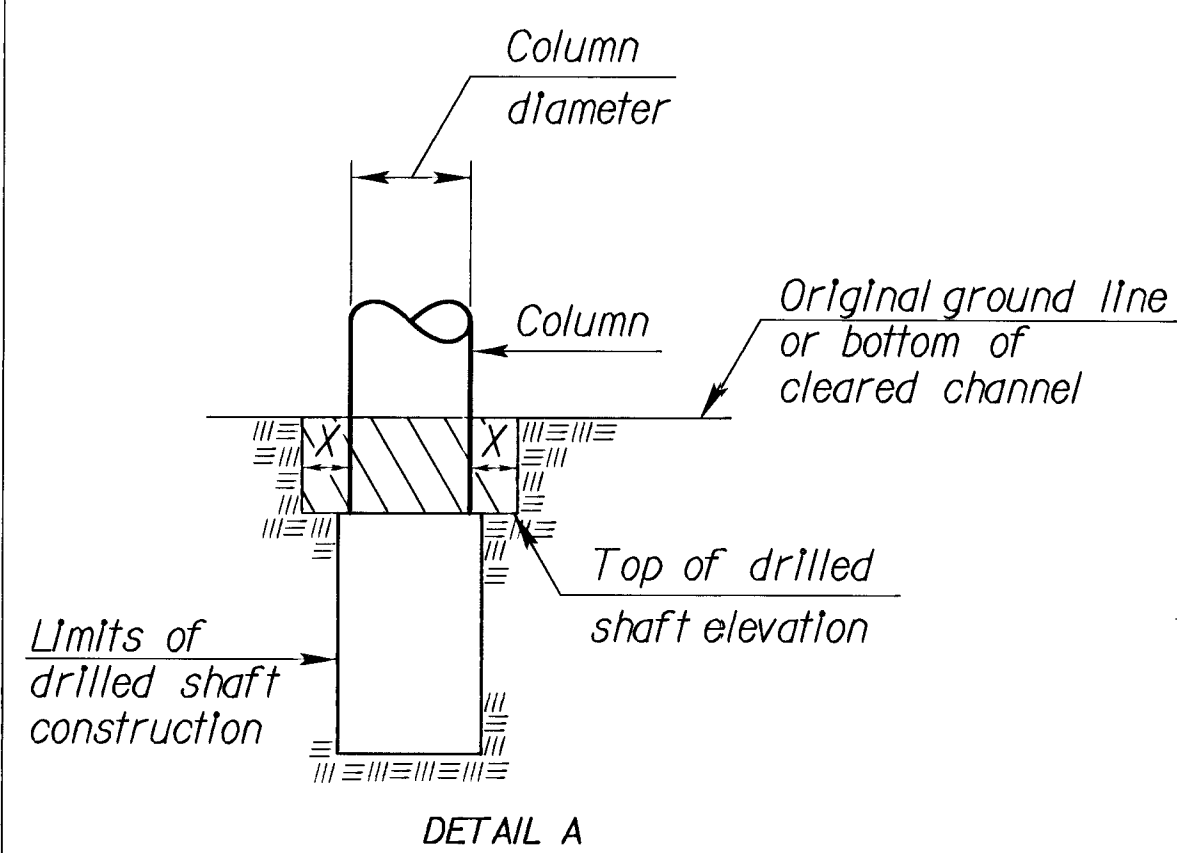


EXCAVATION DETAILS FOR ABUTMENTS WITH FLARED WINGWALLS

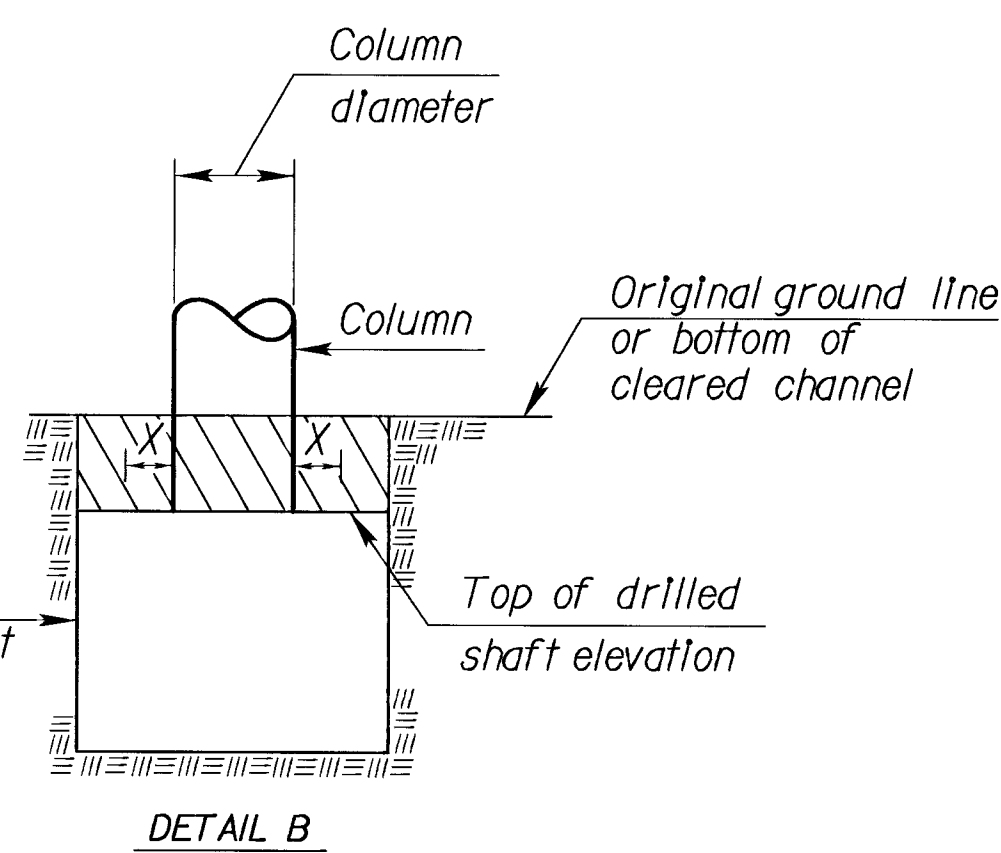


EXCAVATION DETAIL FOR FOOTINGS IN ROCK OR SHALE (ROCK) (Piers and Abutments)

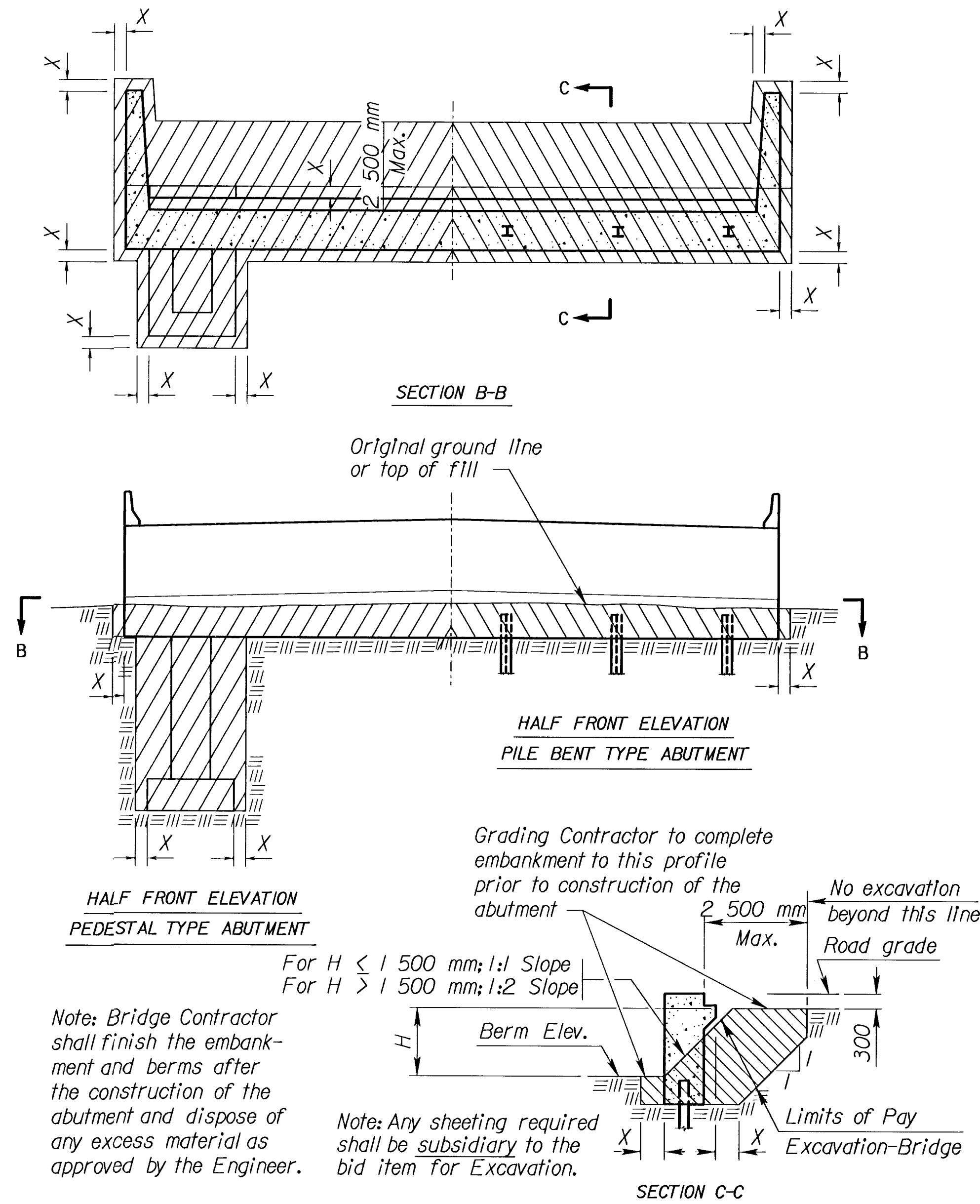
Note: Excavation below top of rock, hard shale or below top of footing, whichever is lower, shall be to neat lines of the concrete construction.



DRILLED SHAFT DETAILS



Note: Whenever the limits of the drilled shaft construction are greater than the Column Diameter + 2X, the limits of Class I, II, or III Excavation shall be the limits of the drilled shaft construction. (See Detail B)



EXCAVATION DETAILS FOR TYPICAL ABUTMENTS

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

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

When the trench is more than 1500 mm in depth and 2500 mm in length, shore, sheet, brace or otherwise support the sides of the trench in hard or compacted soil including embankments. In lieu of the shoring, the sides of the trench above the 1500 mm 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 600 mm unless indicated otherwise on the general plans.

Dimension "Y" shall be 450 mm unless indicated otherwise on the general plans.

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	472-82784	1999	25	39

3	8-12-95	Correct Section BB at abutment	LRR	KFH
2	1-30-95	Drilled Shaft Excavation	LRR	KFH
1				
NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION				
BRIDGE EXCAVATION				
BR100 SI				
DESIGNED	DESIGNED	JK QUANTITIES	CADD	
DESIGN CK.	DETAIL CK.	LRR QUAN. CK.	CADD CK.	
FHWA APPROVAL		9-8-95 APP'D	KENNETH F. HURST	