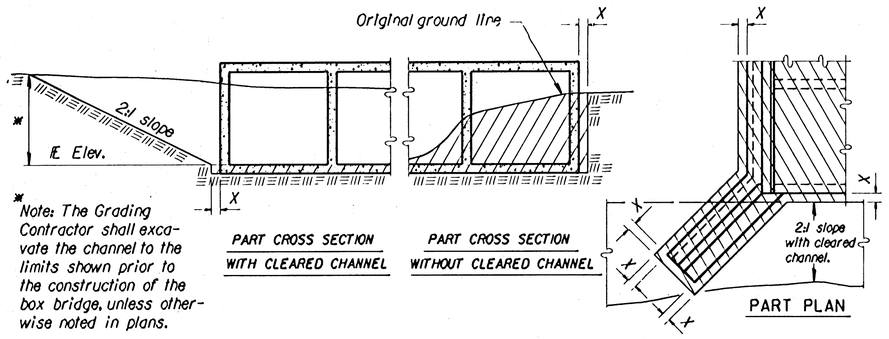
| FHWA REGION NO. | STATE | PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 7 | KANSAS | BTU-1247-01 | 1992 | 45 | 79 |



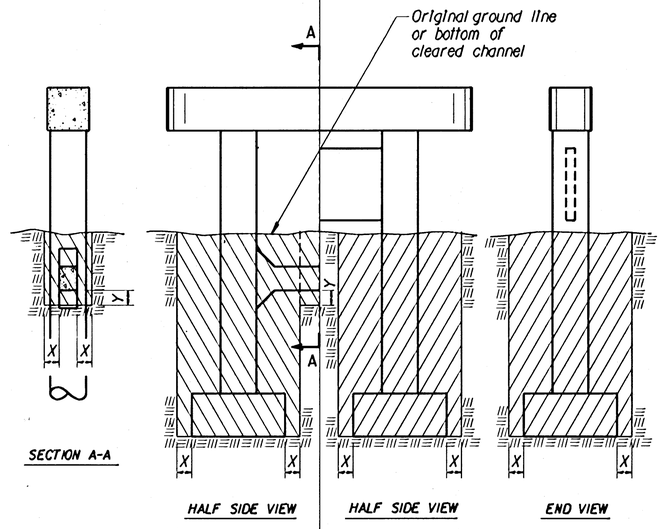

* Note: The Grading Contractor shall excavate the channel to the limits shown prior to the construction of the box bridge, unless otherwise noted in plans.

Note: Typical Class III Excavation for box bridges shall be below the "cleared" channel unless otherwise noted on the plans.

## EXCAVATION DETAILS FOR REINFORCED CONCRETE BOX CULVERT

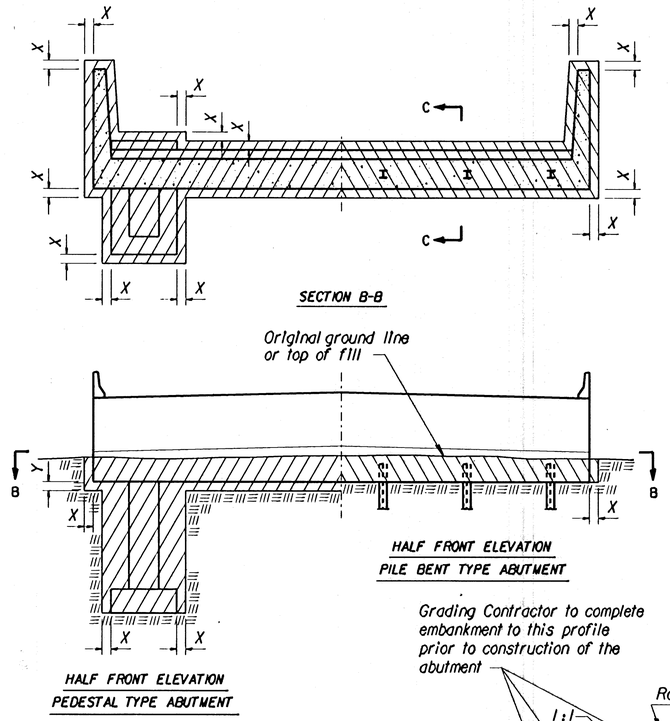
Note: Excavation for culverts less than bridge length shall not be paid for as Class III Excavation but shall be subsidiary to Class AAA Concrete.

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.




## EXCAVATION DETAILS FOR TYPICAL PIERS

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




Note: Bridge Contractor shall finish the embankment and berms after the construction of the abutment and dispose of any excess material as approved by the Engineer.

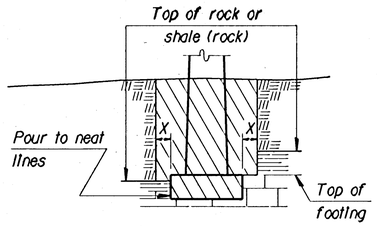
## EXCAVATION DETAILS FOR TYPICAL ABUTMENTS

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

Note: All bridge excavation shall be computed on the basis of the cross-hatched areas and boundary lines indicated on this sheet.

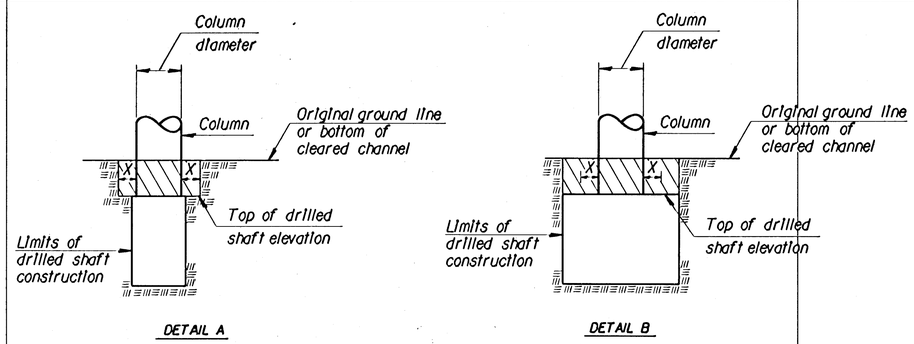
Dimension "X" shall be 2'-0" unless indicated otherwise on the general plans.

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




⊛ 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.




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

DRILLED SHAFT DETAILS

| NO. | DATE | REVISIONS | BY | APP'D |
|---|---|---|---|---|
| 1 | 4-6-90 | Change limits at abutment | LRR | KFH |

KANSAS DEPARTMENT OF TRANSPORTATION

BRIDGE EXCAVATION

STD. NO. 100

| | | | | |
|---|---|---|---|---|
| FHWA APPROVAL | | 4-16-90 | APP'D | KENNETH F. HURST |
| DESIGNED | DETAILED | RDR | QUANTITIES | TRACED |
| DESIGN CK. | DETAIL CK. | LRR | QUAN. CK. | TRACE CK. |

DGN: FROM BRIAD
PROJ.
CO.
DESIGN — DATE
DETAIL — DATE
QUANTITIES — DATE
TRACING — DATE
RETRACED — DATE
CHECK — DATE

STAND
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24-APR-1990 15:06
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