

NOTES

DESIGN DATA:
 ASSUMED LIVE LOAD = HS20-44
 DESIGN FILL = VARIES

CONCRETE: $f'_c = 3500$ PSI

REINFORCING STEEL: ASTM A615 (GRADE 60)
 $f_s = 24000$ PSI
 BAR DIMENSIONS SHOWN ARE OUT TO OUT. STANDARD CRSI HOOK DETAILS SHALL APPLY EXCEPT AS NOTED.

DESIGN SPECIFICATIONS:
 AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES", 1990 ED. WITH ADDENDA AND TEXAS STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANS. "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES", 1982 ED.

COMPUTED FOUNDATIONS LOAD (DEAD + LIVE)
 = 1200 LBS. PER SQ. FT. (S-43, S-45)
 = 1250 LBS. PER SQ. FT. (S-46)

GROUND LINE ASSUMED AT TOP OF GRATE OR MANHOLE

ALL DIMENSIONS WITH THE "±" SYMBOL SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION/CONSTRUCTION OF THE AFFECTED COMPONENT OF THE STRUCTURE.

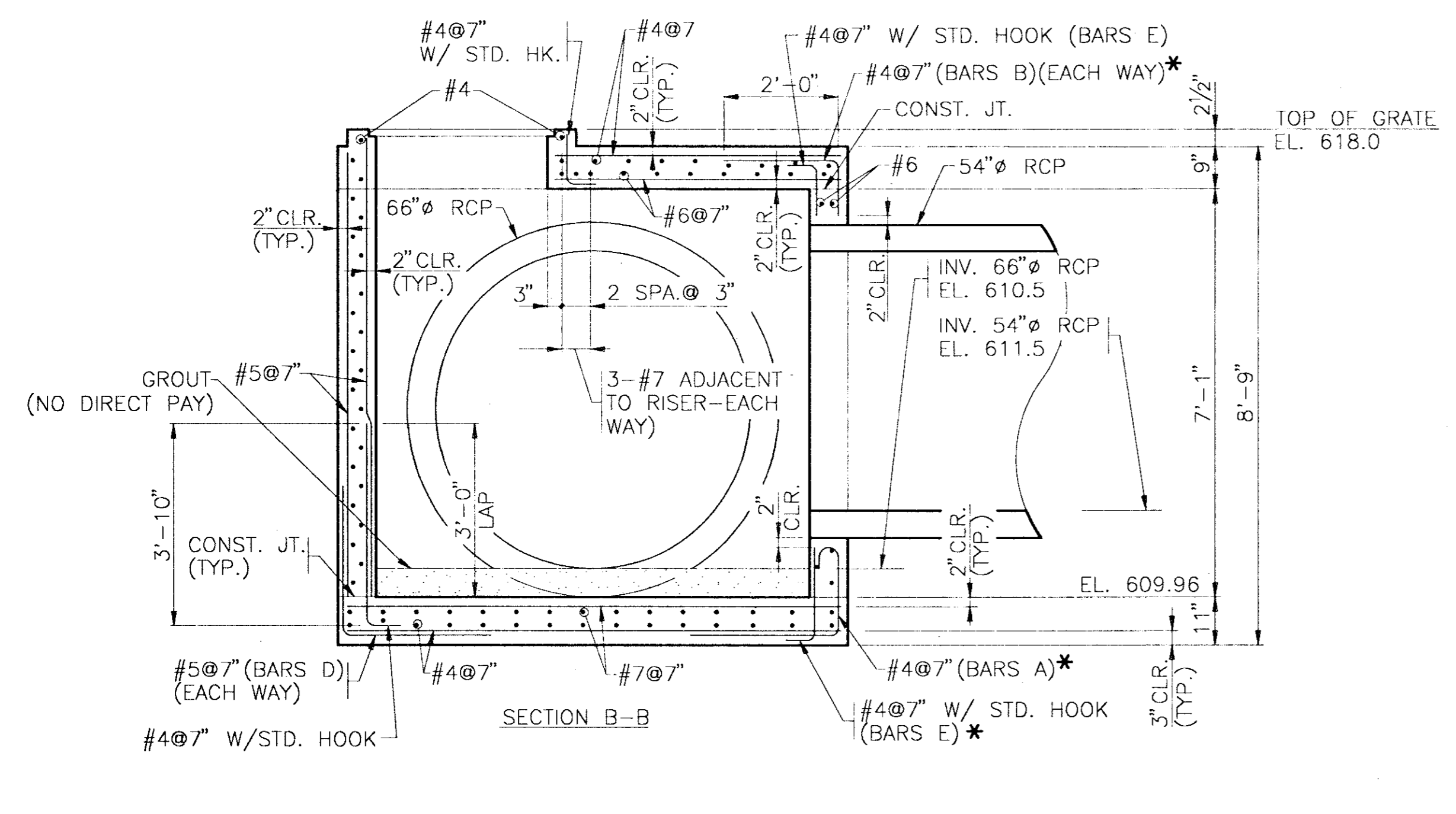
BACKFILLING SHALL NOT OCCUR UNTIL THE ENTIRE JUNCTION BOX IS IN PLACE AND CURED AND ALL ADJOINING STRUCTURES HAVE BEEN ATTACHED AND CURED.

ALL PIPES AND BOX CULVERT SHALL BE FULLY SUPPORTED BY THEIR FOUNDATIONS.

FOR MANHOLE (TYPE M) REINF. AND DETAILS SEE STANDARD "MANHOLE TYPE M (JUNCTION BOX WITH ACCESS) MH-M".

FOR GRATE (TYPE H) DETAILS SEE STANDARD "SLOPING INLET TYPE S AND HORIZONTAL INLET TYPE H, IL-S IL-H".

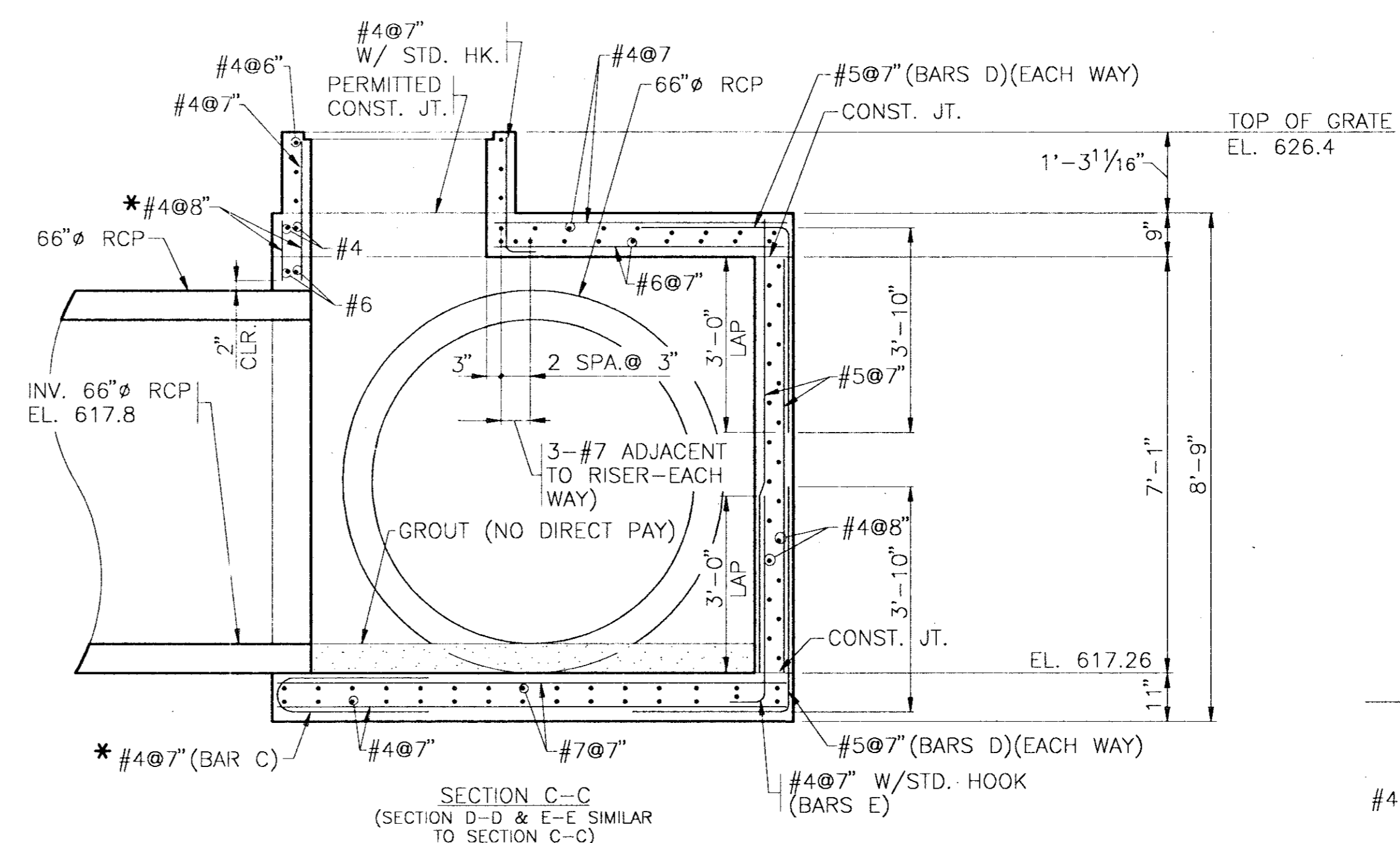
THE OPENING IN JUNCTION BOX (S-46) FOR THE BOX CULVERT SHALL BE FULLY SUPPORTED UNTIL THE ENTIRE BOX CULVERT OR THE ADJACENT 50 FEET OF BOX CULVERT IS IN PLACE AND CURED.



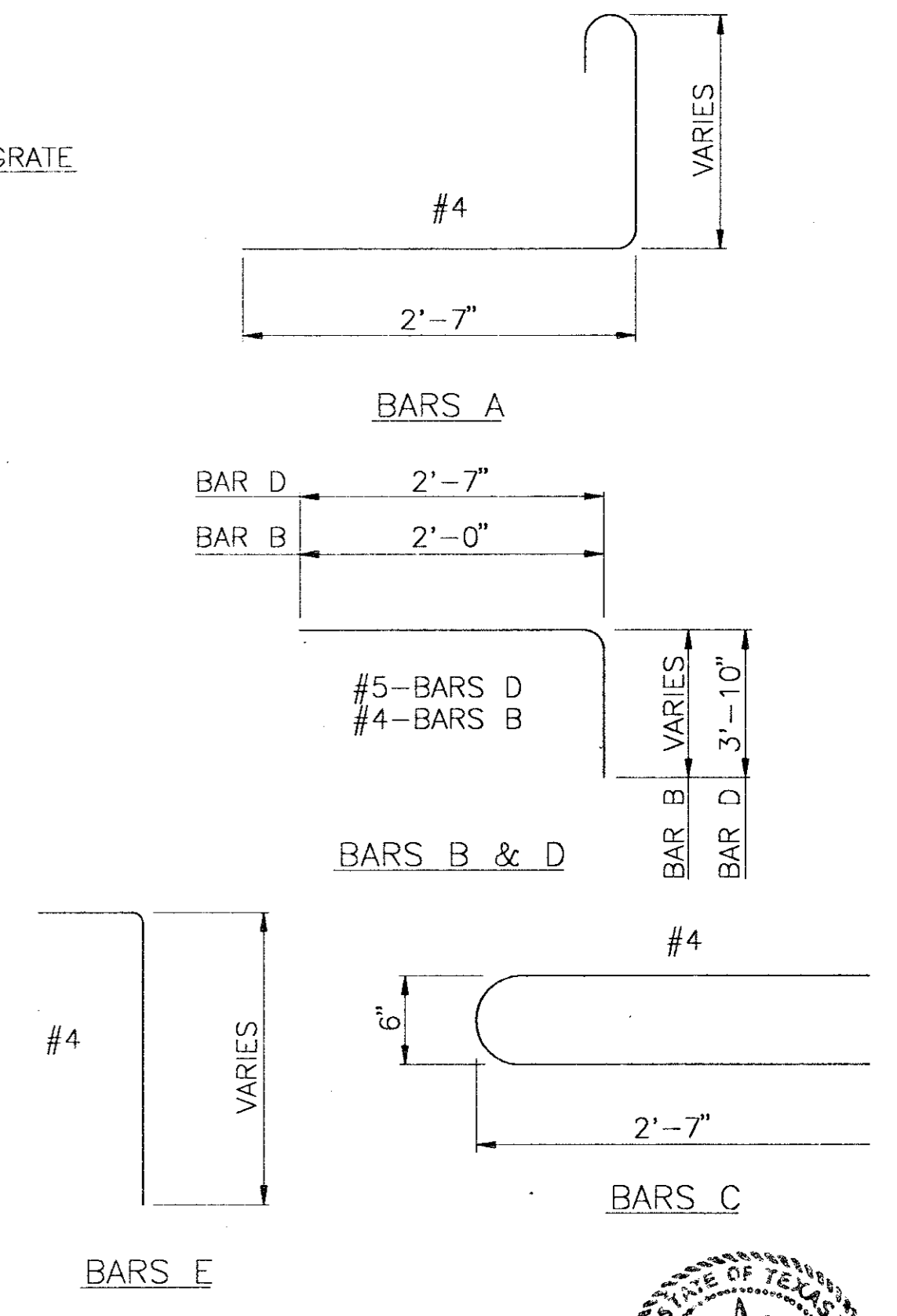
JUNCTION BOX S-45
 SCALE: 1/2" = 1'-0"

NOTE:
 SEE SHEET 16 FOR ADDITIONAL REINFORCING AROUND PIPE.

* BARS OCCUR ADJACENT TO PIPES ONLY, OTHERWISE USE DESIGNATED WALL REINFORCING.



JUNCTION BOX S-43
 SCALE: 1/2" = 1'-0"



N.T.S.



DESIGN: R.C.P.	A.I.P. NO: 3-48-0063-03-91	Date	Revisions	By
DRAWN: M.J.C.	S.P. NO:			
CHECKED: D.W.P.	JOB NO: Y8024.22			
SCALE: AS NOTED				

Greiner, Inc.
 Engineers, Architects and Planners
 Fort Worth, Texas



ADDISON AIRPORT