



NOTES:

1. MINIMUM SIZE OF CASING SHALL BE 12 IN. LARGER THAN THE NOMINAL PIPE DIAMETER.
2. CASING SHALL BE STEEL WITH A MINIMUM WALL THICKNESS OF:
 - 1/4 IN. FOR CASINGS UP TO AND INCLUDING 18 IN.
 - 3/8 IN. FOR CASINGS LARGER THAN 18 IN., UP TO AND INCLUDING 24 IN.
 - 1/2 IN. FOR CASINGS GREATER THAN 24 IN. UP TO AND INCLUDING 42 IN.
3. THE MINIMUM THICKNESS FOR ALL CASINGS GREATER THAN 42 IN. DIA. SHALL BE DETERMINED BY THE ENGINEER OF RECORD, AND SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY OF WACO PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION.
4. ALL PIPE IN CASING SHALL BE JOINT RESTRAINED.
5. ALL CASINGS WITH LESS THAN 24 IN. OF COVER SHALL BE PAINTED PER STANDARD SPECIFICATIONS AND AS REQUIRED BY RAILROAD AND SHALL BE COATED WITH TNEMEC PERMA-SHIELD SERIES 46H-413 COAL TAR EPOXY.
6. ALL CARRIER PIPE SHALL BE INSTALLED USING PRE-APPROVED CASING SPACERS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

RAILROAD CROSSING BORE DETAILS
(NO SCALE)

DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF WACO FOR ANY PURPOSE WHATSOEVER. THE CITY OF WACO ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.



**ENGINEERING
DIVISION**



REVISIONS			
NO.	COMMENTS	BY	DATE
##	DESCRIPTION	FL	MO/DY/YEAR

DATE
8/25/2021

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