



BORING NOTES

- DO NOT SCALE DETAIL. FOLLOW DIMENSIONS.
- INSTALLATION OF THE CASING AND CARRIER PIPES SHALL MEET THE REQUIREMENTS FOR ST. CHARLES CO. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- ALL JOINTS IN THE CASING PIPE SHALL BE WELDED.
- THE PIPE TO BE PLACED IN THE BORE HOLE SHALL BE CAST-IRON PIPE EXCEPT AS REQUIRED ON THE PLANS.
- A SKID OR SHOE SHALL BE PROVIDED FOR THE PIPE BELL TO PERMIT FLOW OF GROUT BENEATH THE PIPE, AND TO PREVENT SAGGING ALONG THE PIPE FLOWLINE.
- GROUT SHALL CONSIST OF AN APPROVED MIX AND IT SHALL BE PLACED BY INSERTING THE GROUT PIPE TO ITS GREATEST DISTANCE TO INSURE FILLING ALL SPACES, AND THEN GRADUALLY WITHDRAWING THE GROUT PIPE AS FILLING PROCEEDS.
- STEEL CASING PIPE USED IN THE INSTALLATION OF SEWER LINE AND CONDUITS SHALL HAVE A MINIMUM YIELD STRENGTH OF 35,000 P.S.I.
- REINFORCED CONCRETE CARRIER PIPE SHALL BE CLASS III.
- VITRIFIED CLAY CARRIER PIPE SHALL BE STANDARD STRENGTH.
- POLY VINYL CHLORIDE PIPE SHALL MEET A.S.T.M. D-3034 SPECIFICATIONS.
- SEWERS BORED WITHOUT THE USE OF CASING SHALL BE CAST-IRON AND MEET THE REQUIREMENTS OF A.S.T.M. A74-69.
- GROUT SHALL MEET THE REQUIREMENTS OF CITY OF WENTSVILLE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND SHALL HAVE A CONSISTENCY TO PERMIT THOROUGH FILLING OF VOIDS BETWEEN THE CARRIER PIPE AND THE CASING PIPE.
- CASING PIPE USED IN THE INSTALLATION SHALL HAVE MINIMUM SHELL THICKNESS CORRESPONDING TO THE FOLLOWING REQUIREMENTS:

CASING PIPE INTERNAL DIAMETER (INCHES)	WALL THICKNESS (INCHES)
18,20,22	.250
24,26	.281
28,30,32,34	.312
36,38,40,48	.344
- CARRIER PIPE REQUIRING A CASING PIPE WITH AN INTERNAL DIAMETER GRATER THAN INDICATED ABOVE SHALL BE APPROVED BY THE CITY OF WENTSVILLE.

N/F
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NZ

DO NOT INTERFERE
W/EXISTING DRIVEWAY.
SHIFT BORE (AS
NECESSARY)

BORE UNDER
PAVEMENT (SEE
DETAIL THIS
SHEET)

Revised by: J.A.H. (By others)

UTILITY NOTE:
BY CONTRACTORS AND UTILITIES HAVE BEEN
PLOTTED FROM AVAILABLE SERVICES AND RECORDED INFORMATION AND
INDICATION OF LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE
THE RESPONSIBILITY OF THE CONTRACTOR.