1/2" THICK STEEL CASING PIPE W/ UV RESISTANT BITUMINOUS COATING. DIAMETER TO BE A MINIMUM 4" LARGER THAN LARGEST O.D. OF SEWER MAIN.

EXTEND CASING A MIN. 8' BEYOND THE LAST PIER, TYP.

SANITARY SEWER

4' LONG CONCRETE COLLAR, TYP. INSTALLED 2' FROM END OF CASING W/ #5 REBAR, BOTH DIR. COLLAR SHALL EXTEND 18", MIN. INTO UNDISTURBED EARTH

PIER SUPPORT, SEE DETAIL "CREEK." OUTSIDE OF THE OPEN AREA ALL PIERS ARE TO BE LOCATED

OPEN AREA BETWEEN PIPE, PIER AND CREEK BED MUST BE LARGE ENOUGH TO ALLOW UNOBSERVED FLOW OF 50 YEAR STORM RUNOFF. PROVIDE CALCULATIONS TO COWRD FOR REVIEW. AERIAL CROSSING TO BE PERPENDICULAR TO STREAM.

APPROVED CASING SPACERS: MODEL CCS, CASCADE WATERWORKS MODEL SWM-SS, BWMC COMPANY APPROVED END SEALS: MODEL CCES, CASCADE WATERWORKS MODEL BWMC-PO, BWMC COMPANY

ELEVATION