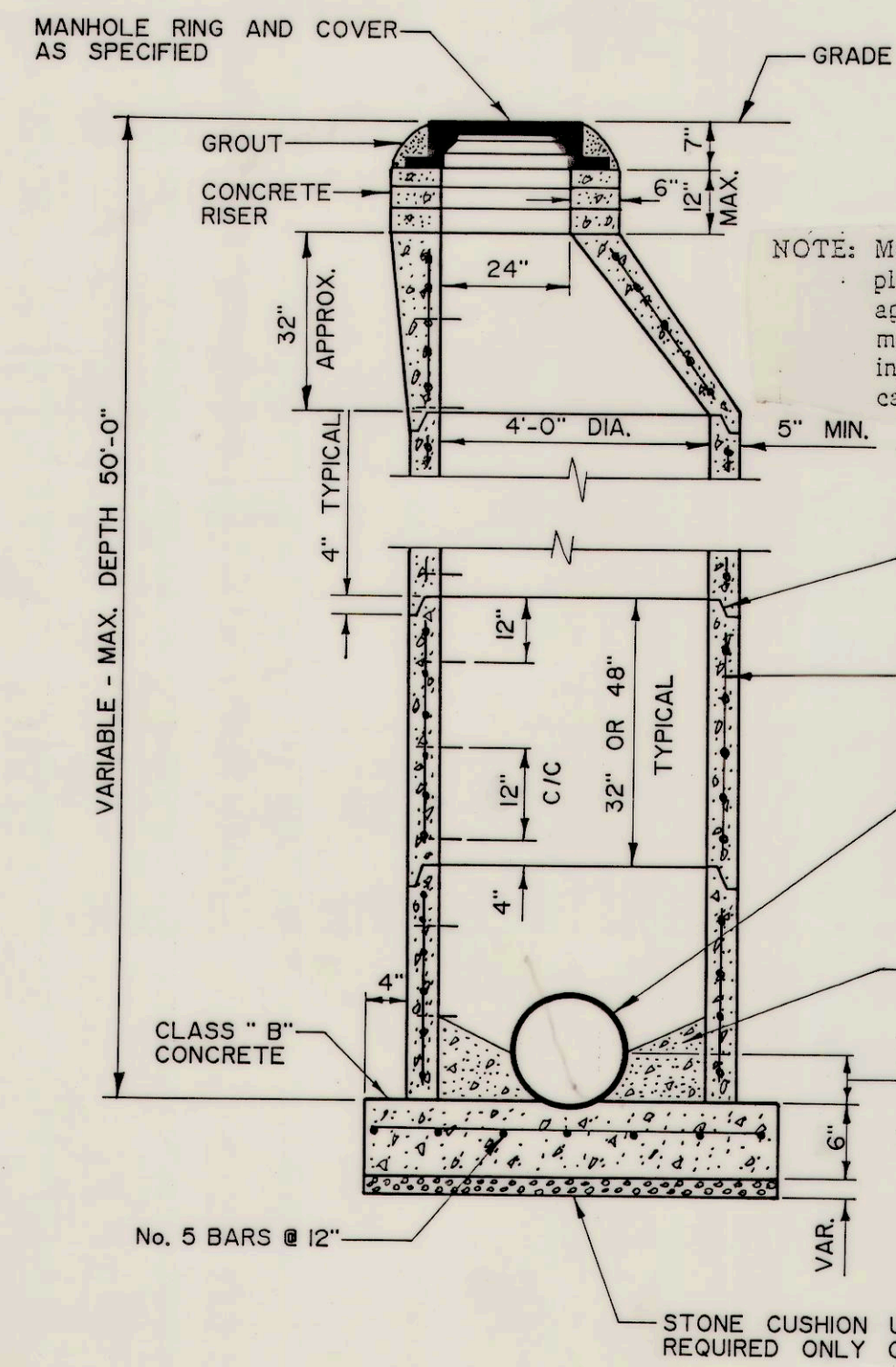
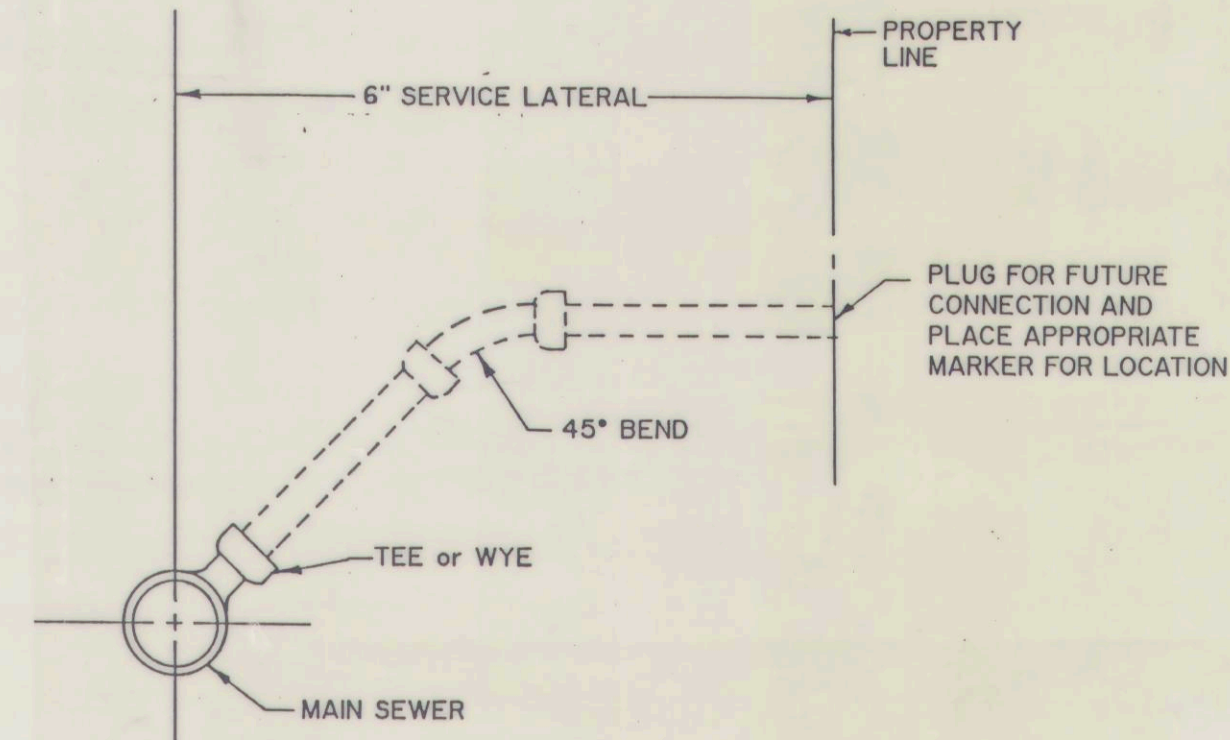


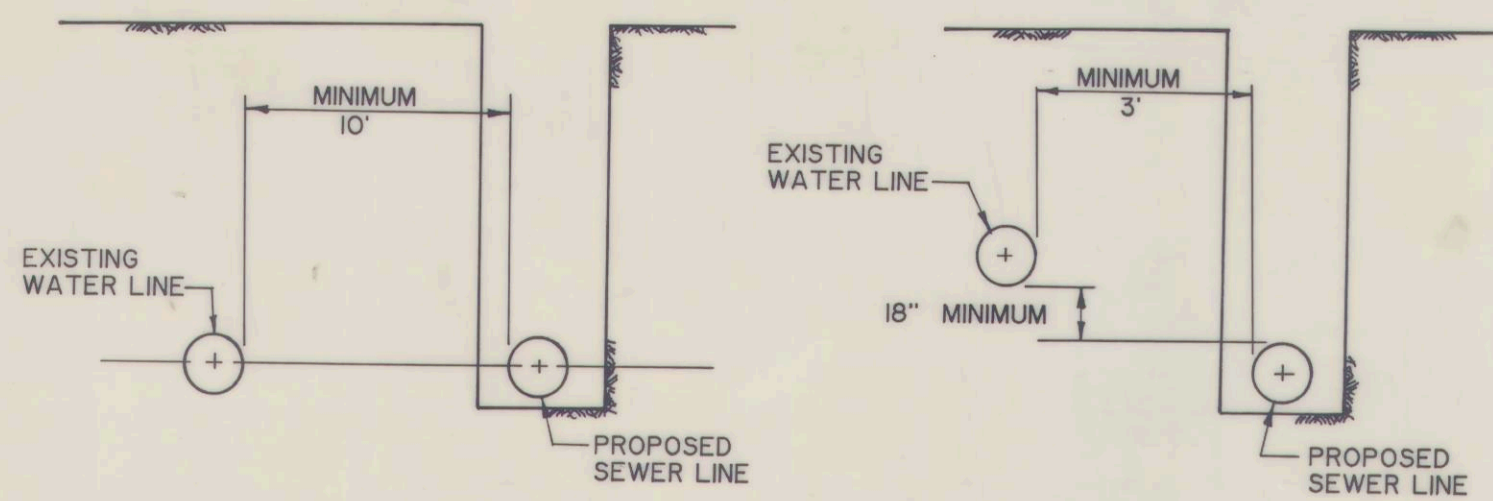
THE COVER SHALL BE CAST SOLID EXCEPT FOR CONCEALED LIFTING HOLES, AND THE COVER AND SEATING SURFACE OF THE FRAME SHALL BE GROUND, MACHINED, OR OTHERWISE CAUSED TO HAVE NON-ROCKING BEARING SURFACES. ALL CONCRETE TO CONFORM TO ASTM C478.



STANDARD MANHOLE
PRECAST CONCRETE
NO SCALE

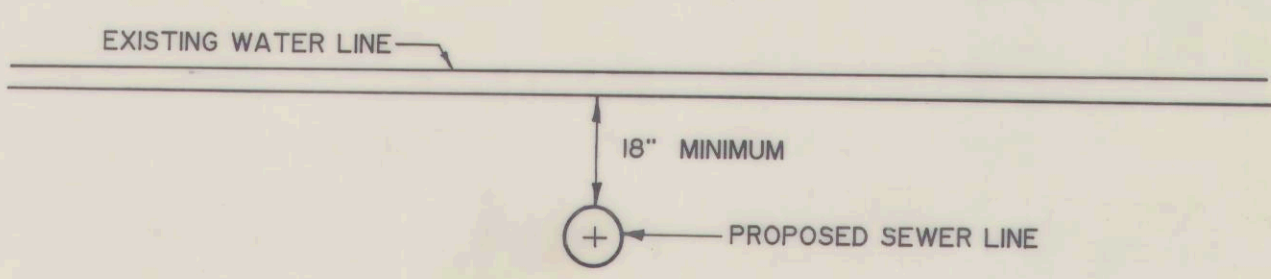


SERVICE LATERAL CONNECTIONS
TYPICAL DETAILS
NO SCALE



ALTERNATIVE 1
TO BE USED WHENEVER POSSIBLE

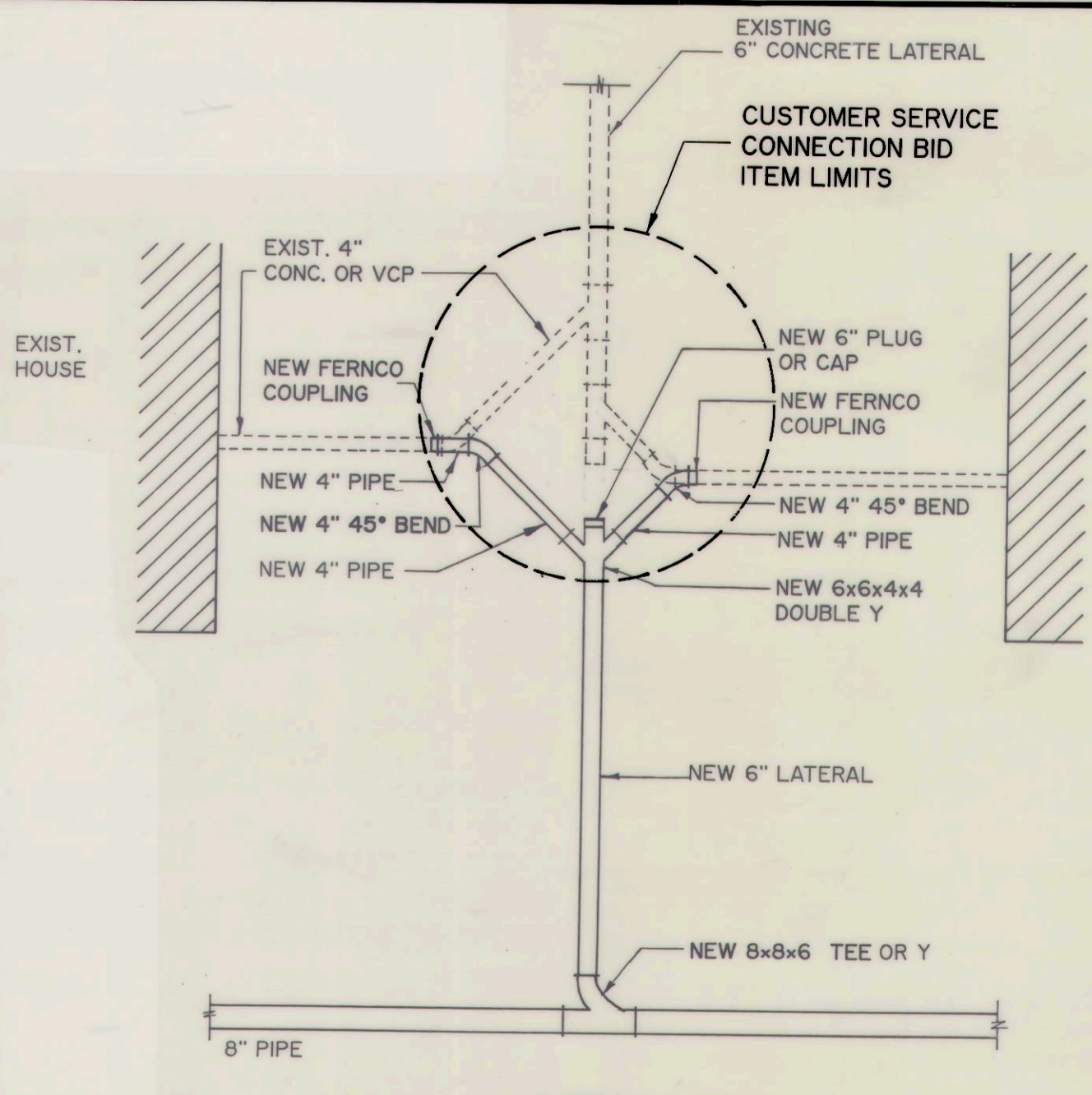
ALTERNATIVE 2
TO BE USED WHEN ALTERNATIVE 1 IS NOT POSSIBLE. SEWER LINE MUST BE CONSTRUCTED OF SDR 26 PVC PRESSURE PIPE, OR EQUAL.



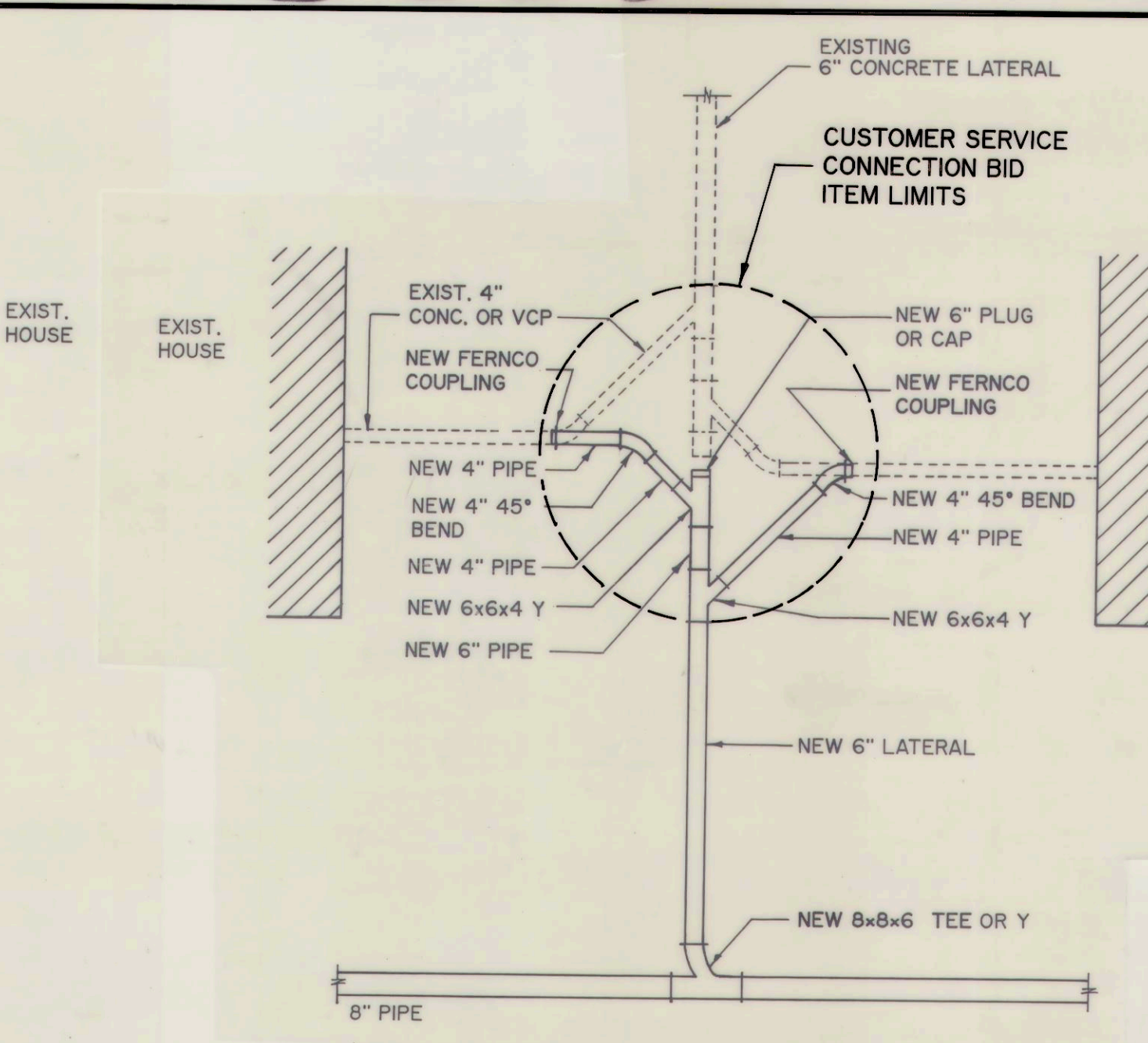
CROSSING DETAIL
NOTE: IF 18" SEPARATION CANNOT BE MAINTAINED, THEN THE SEWER SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH SUBSECTION 219.5 OF THE WEST VIRGINIA BOARD OF HEALTH INTERPRETIVE RULES.

SEWER LINE - WATER LINE

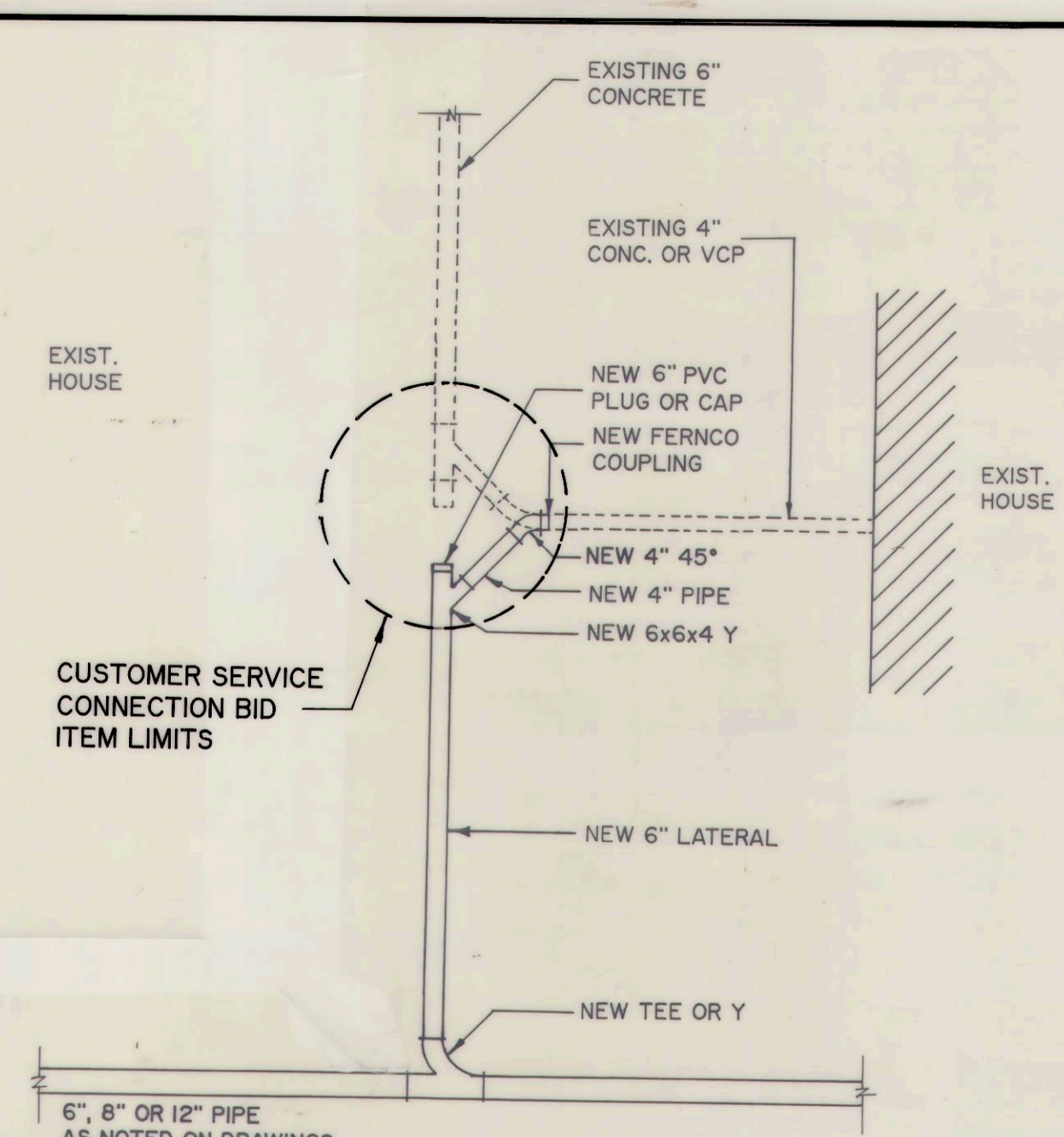
SEPARATION DETAILS
NO SCALE



DETAIL 1

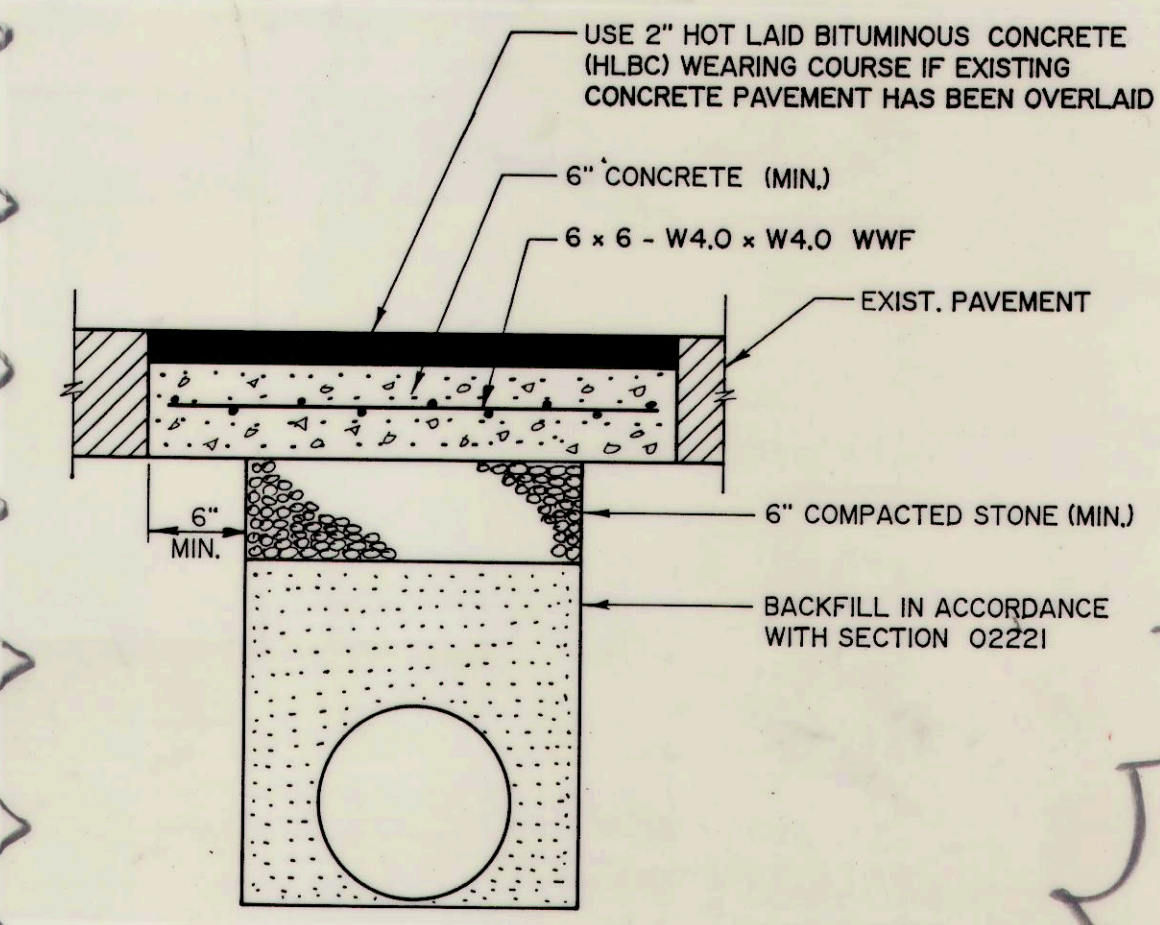


DETAIL 2

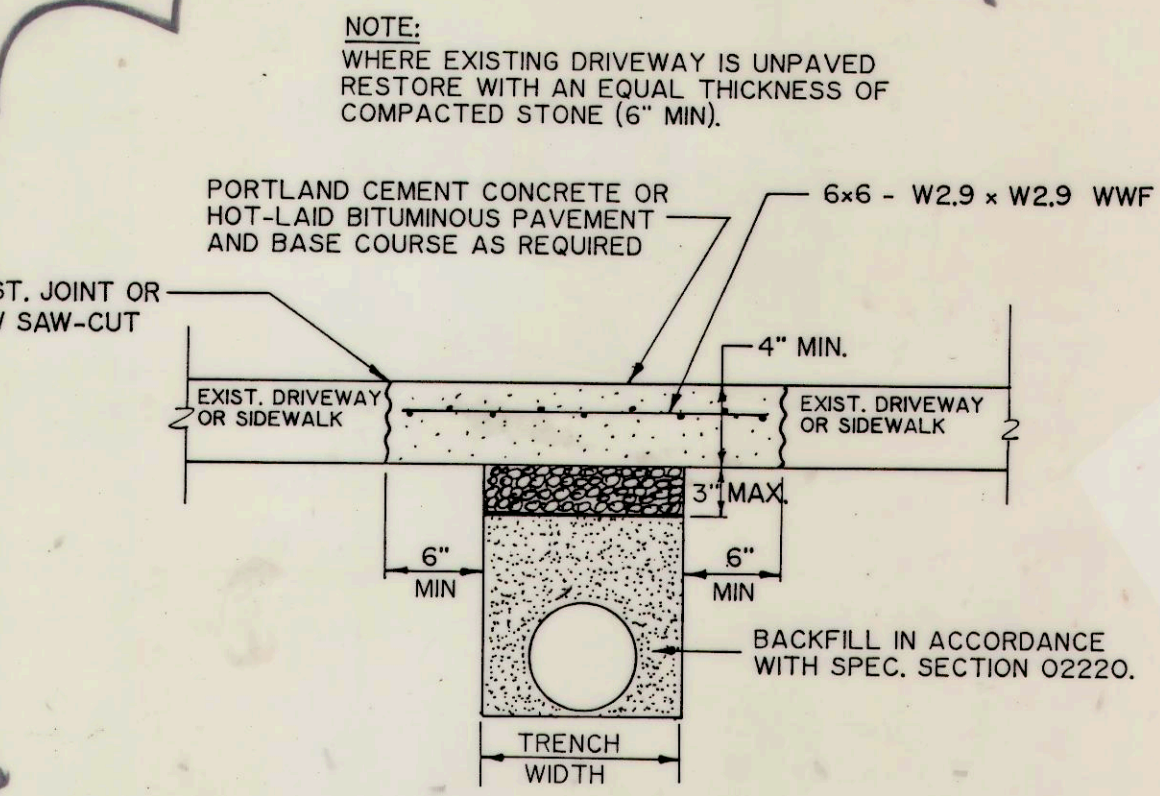


DETAIL 3

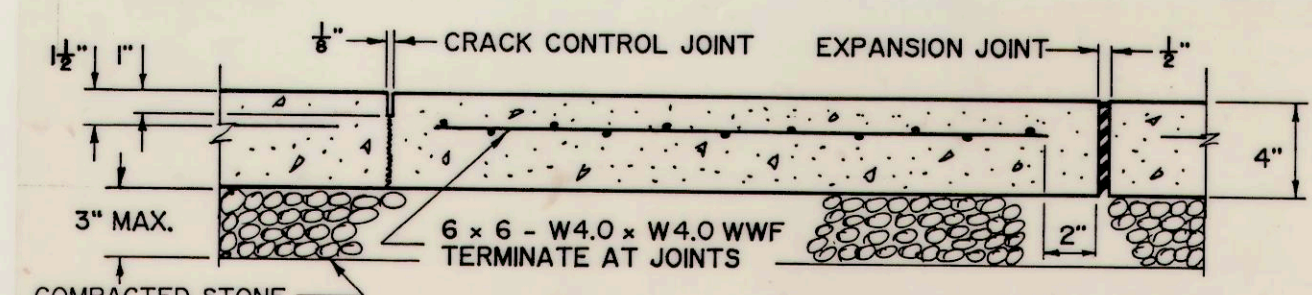
TYPICAL CUSTOMER SERVICE CONNECTION DETAILS
NO SCALE



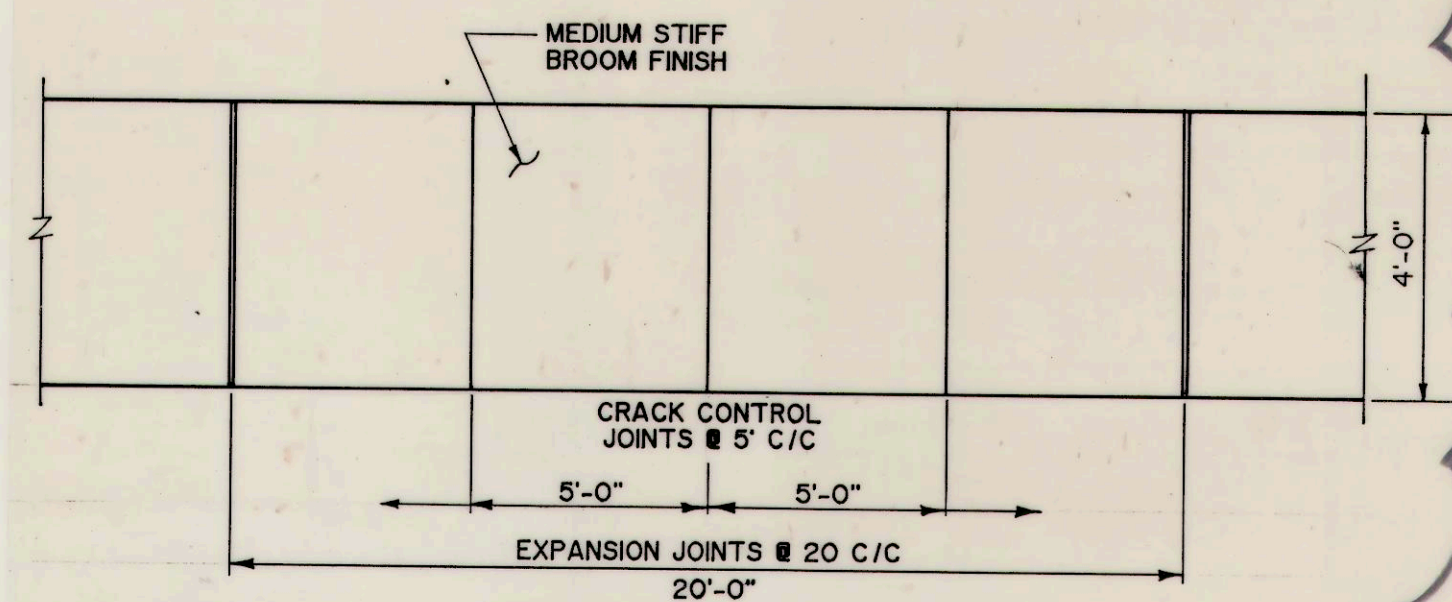
STREET PAVEMENT RESTORATION
SCALE: NONE



DRIVEWAY/SIDEWALK
RESTORATION DETAIL
NO SCALE



LONGITUDINAL SECTION



PLAN

CONCRETE SIDEWALK DETAILS
SCALE: NONE

NOTE:
Pavement restoration shall be accomplished as soon as backfilling has been completed. If the CONTRACTOR elects to postpone the permanent pavement restoration, he will maintain the work in a manner satisfactory to the OWNER. The cost of furnishing temporary and/or permanent pavement restoration and other incidental work shall be included in the unit price bid for pipeline installation.



PROJECT INFORMATION
CITY OF ST. ALBANS
MUNICIPAL UTILITY COMMISSION
KANAWHA COUNTY, WEST VIRGINIA
WASTEWATER SYSTEM IMPROVEMENTS
EPA PROJECT NO. C-540618-01
CONTRACT NO. 2



Chapman Technical Group

DRAWING TITLE
WASTEWATER COLLECTION SYSTEM
STANDARD DETAILS

DRAWN
R. OSBORNE
CHECKED
G. BELCHER
DATE
SEPTEMBER 1989
SCALE
AS SHOWN
PROJECT NUMBER
87016
DRAWING NUMBER

8-1