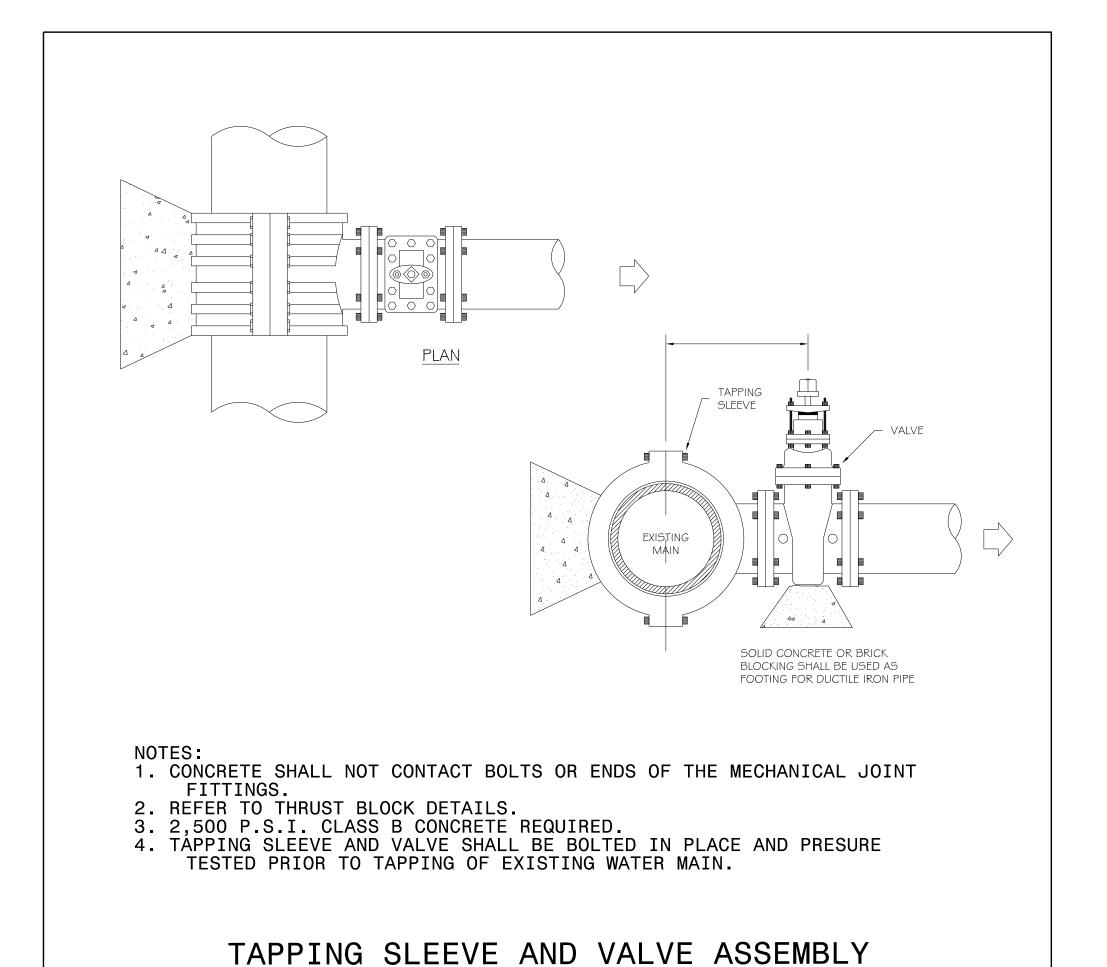
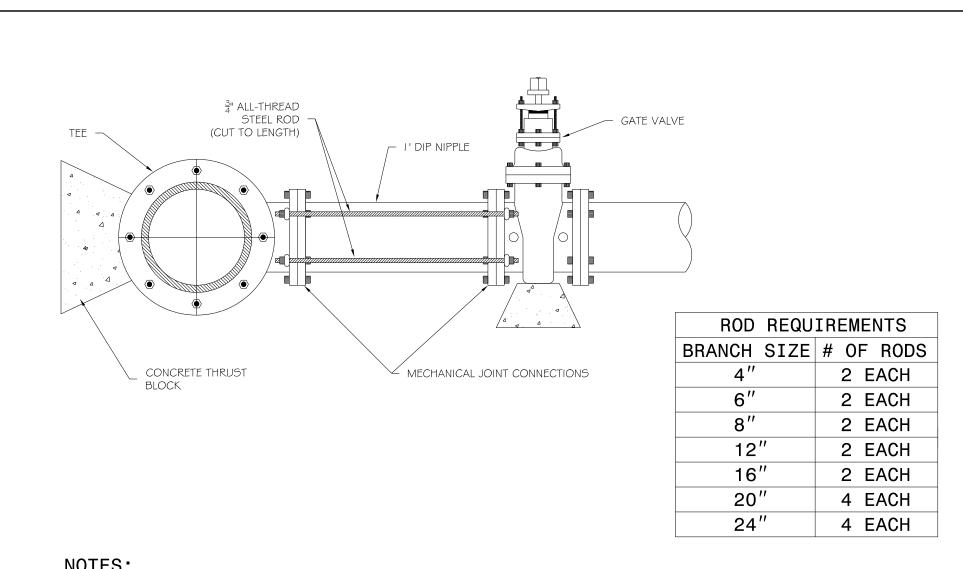
- 1. CONCRETE BLANKET IS REQUIRED WHEN THE CLEARANCE BETWEEN THE TOP OF THE LOWER PIPE AND THE BOTTOM OF THE UPPER PIPE IS LESS THAN 12".

  2. "Y" = D/6 (6" MIN.) WHERE THE CLEARANCE BETWEEN THE TOP OF THE LOWER PIPE AND THE BOTTOM OF THE UPPER PIPE IS LESS THAN "Y". THE CONCRETE SHALL BE PLACED BETWEEN THE PIPES AND AROUND THE SIDES OF THE UPPER PIPE UP TO A LEVEL EQUAL TO THE SPRINGLINE OF THE UPPER PIPE.
- 3. WHENEVER A PIPE BELL IS ENCOUNTERED WITHIN THE LIMITS OF THE CONCRETE BLANKET, ALL DIMENSIONS SHALL REFER TO THE BELL OF THE PIPE.

CONCRETE BLANKET FOR CROSSING SANITARY SEWER PIPES

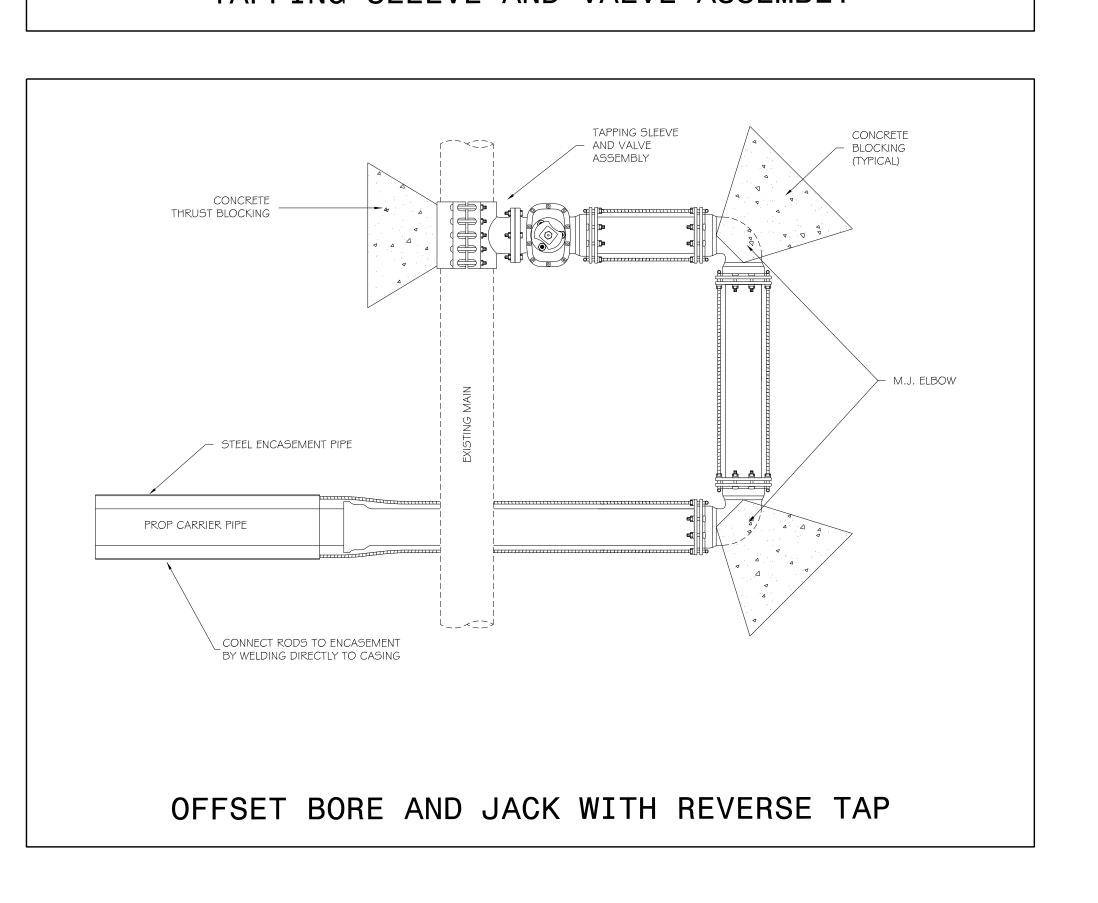




- 1. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF THE MECHANICAL JOINT
- FITTINGS.

  2. REFER TO THRUST BLOCK DETAILS.
- 3. 2,500 P.S.I. CLASS B CONCRETE REQUIRED.
- 4. ONCE INSTALLED AND TIGHTENED, THE STEEL RODS AND BOLTS SHALL BE COATED WITH TWO (2) COATS OF BITUMINOUS BASE PAINT.

RESTRAINED TEE AND VALVE FOR BRANCH LINES



PROJECT REFERENCE NO. SHEET NO. UC-3E U-3621A DESIGNED BY: GJB GJB DRAWN BY: CHECKED BY: APPROVED BY: KCZ REVISED: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 UTILITY CONSTRUCTION FAX: (919)250-4151 PLANS ONLY

## UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED

