

24" DIA.x6" CAST-IN-PLACE  
CONCRETE COLLAR WITH #4  
RE-BAR RING AT CENTER

WORD "SEWER" ON  
COVER AT FINISHED  
GRADE (ROUND,  
PAINTED GREEN)

ADJUSTABLE VALVE EXTENSION  
ASSEMBLY, 2" SQ. WRENCH NUT  
AND UPPER GUIDE REQUIRED  
FOR MORE THAN 36" DEPTH

ADJUSTABLE  
CAST IRON VALVE  
BOX COVER AND  
ROUND LID

No. 10 COPPERHEAD TRACER  
WIRE, COLOR CODED GREEN,  
LAYED ON TOP IN TRENCH

6" C-900 PVC  
SLEEVE (USE WITH  
CAST IRON VALVE  
BOX ONLY)

SANITARY SEWER  
FORCE MAIN

36" MINIMUM DEPTH

USE RESTRAINED JOINTS TO  
PREVENT MOVEMENT (THRUST  
BLOCKING NOT ALLOWED)

16"X16"X6" PRECAST  
BLOCK OR MIN. 6"  
THICK # 57 STONE (TYP.)

AWWA C509 & 515 DUCTILE IRON BODIED  
EPOXY COATED RESILIENT WEDGE GATE  
VALVE WITH 2" OPERATING NUT; WRENCH  
NUT OPEN COUNTER-CLOCK WISE

NOTE:

1. BOLT VALVES TO TEE OR CROSS WHEREVER AND WHENEVER APPLICABLE.
2. GATE VALVE WEDGE SHALL BE COMPLETELY ENCAPSULATED WITH EPDM RUBBER.
3. ALL OUTSIDE HEX NUTS, BOLTS AND HARDWARES (EXCEPT MECHANICAL BOLTS SUCH AS "T" BOLTS) SHALL BE MINIMUM 316 STAINLESS STEEL GRADE.



STANDARD CONSTRUCTION DETAIL  
SANITARY SEWER FORCE MAIN VALVE AND VALVE BOX

FILE NAME:

S19.DWG

DETAIL REF:

**S-19**

REV. 12/18