

TAP, LATERAL, AND CLEANOUT WITHIN RIGHT-OF-WAY OR EASEMENT SHALL BE A MINIMUM OF 6" DIAMETER FOR ALL SANITARY SEWER INSTALLATIONS

BUILDING SERVICE LINE MAY BE 4" FOR SINGLE FAMILY RESIDENTIAL USE, ALL OTHERS TO BE SIZED ACCORDING TO THE CURRENT EDITION OF THE MICHIGAN PLUMBING CODE

**ALL SEWER WORK REQUIRES A PERMIT.** ALL SEWER WORK SHALL BE INSPECTED. CONTRACTOR TO CALL FOR INSPECTION AT LEAST 24 HOURS PRIOR TO THE WORK. ANY WORK COVERED PRIOR TO INSPECTION SHALL BE RE-EXCAVATED TO ALLOW PROPER INSPECTION. ANY INSTALLATION, REPLACEMENT, OR REPAIR OF A SANITARY SEWER LINE SHALL BE ACCOMPANIED BY A SKETCH, PROVIDED BY THE PARTY DOING THE WORK, SHOWING, AT A MINIMUM, AT LEAST TWO MEASUREMENTS FROM FIXED OBJECTS (BUILDING CORNERS, UTILITY POLES, EDGE OF PAVEMENT, ETC.) TO ANY CLEANOUT OR PIPE BEND, AND IN THE EVENT OF REPAIRS OR PARTIAL REPLACEMENT, THE SKETCH SHALL SHOW THE SECTION OF PIPE REPLACED, AND NOTE THE MATERIAL USED. AN APPROVED SKETCH SHALL BE IN THE POSSESSION OF THE BENTON TOWNSHIP BUILDING DEPARTMENT PRIOR TO FINAL APPROVAL OF ANY SANITARY SEWER WORK.

LENGTH OF LATERAL VARIES

REMOVABLE PVC THREADED PLUG

EASEMENT, PROPERTY OR RIGHT-OF-WAY LINE

MIN 3'

FINISHED GRADE

3.0'

PROVIDE MINIMUM 42" COVER TO WITHIN 3' OF BUILDING OR FOUNDATION WALL

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water service lines are required to have minimum 48" of cover.

TOWNSHIP RESPONSIBILITY ← ← PROPERTY OWNER'S RESPONSIBILITY → →

6" MIN. PVC (SCHED 40, SDR 35, OR BETTER) SANITARY SEWER LATERAL, OR AS OTHERWISE SHOWN

FLOW

MINIMUM SLOPE 1.04% (1/8" PER FT)

PIPE SHALL BE LAID ON UNDISTURBED SOIL

PUBLIC SEWER MAIN  
IF NO INTACT WYE OR TEE IS AVAILABLE, INSTALL TAPPED CONNECTION AS DESCRIBED BELOW

TOWNSHIP RESPONSIBILITY FOR THE MAINS ONLY. ALL PARTS OF THE CONNECTION AND THE LATERAL ARE THE PROPERTY OWNER'S RESPONSIBILITY, INCLUDING CONSTRUCTION, MAINTENANCE, AND REPLACEMENT.

## SECTION SEWER CONNECTION DETAILS


### TAPPING EXISTING MAINS

**Materials**

Saddles may have cast iron, ductile iron; Type 304 stainless steel straps, Tbolts, nuts, and washers; and resilient gaskets. Spot welds for strap fabrication shall be fully passivated. The resilient gasket shall be permanently attached to the saddle body to prevent its displacement during installation or shall be of a design that will permit easy visual verification that the gasket is in place. The assembly shall have an integral stop to prevent house connection pipes from protruding into the sewer. Metal saddles shall be the Sealtite Sewer Pipe Saddles as manufactured by the General Engineering Company; Style CB Sewer Saddle as manufactured by Romac Industries, Inc.; or equal.

**Construction Method**

The sanitary sewer shall be uncovered, cleaned, and inspected at the location of the proposed sewer house connection. The saddle shall not be installed where surface imperfections in the main will prevent the saddle gasket from making a watertight seal or within 1 foot of a mainline pipe joint. The saddle shall be attached to the sewer and the strap tightened to the appropriate torque and in accordance with the manufacturer's recommendations. The sewer shall be cut using a tapping or cutting machine of suitable design, and the "coupon" removed. Backfill shall be compacted to 95% of Maximum Density.

REVISED:	
DRAWN BY: GMS	<b>BENTON CHARTER TWP.</b>
CHECKED BY: CF/TB	 THE STAR OF SOUTHWESTERN MICHIGAN 1725 TERRITORIAL RD., BENTON HARBOR, MI 49022 TEL: (269) 925-0616 FAX: (269) 925-7134
SCALE: NONE	<b>DEPARTMENT OF BUILDING &amp; INSPECTION</b>
DATE: 8/7/2003	
DATUM: N/A	<b>TYPICAL SANITARY SEWER LATERAL</b>
SHEET: 1 of 1	

Water lines installed in the same trench shall meet the requirements of the Michigan Plumbing code, Section 603.2 separated from the sewer pipe by 5 (five) feet in the trench, excepting where the water service pipe is 12" above the top of the highest point of the sewer, or where sewer materials are of approved materials, or where the water pipe is sleeved 5' both sides of where the pipes cross in the trench with an approved sleeve. Please call if you have questions.