

WRAP METALLIC MARKER TAPE AROUND SERVICE MARKER BOARD. 4 WRAPS MINIMUM. RUN UP BOARD TO SURFACE. MIN 4 WRAPS AT TOP ALSO.

INSTALL BURIED METALLIC MARKER TAPE 3' ABOVE PIPE. TAPE SHOULD READ "CAUTION BURIED SEWER BELOW". CARLTON IND., BLACKBURN MFG. CO. OR EQUAL.

6" SEWER LATERAL PIPE MATERIAL SHALL MATCH THE MAIN LINE (EXCEPT CONCRETE) PVC, EPOXY LINED DI, C900 OR HDPE AS SPECIFIED BY DISTRICT.

6" TAPPING TEE/SADDLE ON SEWER MAIN SEE NOTE 4

SEWER MAIN

FINISHED GRADE

PROPERTY LINE  
PERMANENT EASEMENT LINE

2" X 4" BOARD SERVICE MARKER

4'-0"

6'-0" MINIMUM  
VARIES

APPROVED WATERTIGHT PLUG ON CAP WITH "SEWER" IN BLACK PERMANENT MARKER

MINIMUM SLOPE 2%

45 DEGREES (100%) MAXIMUM SLOPE FOR PVC 2% MINIMUM SLOPE

CONCRETE POURED IN PLACE FOR TAPPED SIDE SEWER OVER 15% SLOPE

1'-0"

**NOTES:**

1. 2" X 4" BOARD – LENGTH AS REQUIRED IN EVEN FOOT INCREMENTS. PAINT TOP 5' WITH WHITE PAINT. STENCIL IN BLOCK LETTERS THE WORD "SEWER" & TOTAL LENGTH OF THE 2" X 4" BOARD. LETTERING TO BE 3" IN HEIGHT. TOP OF 2" X 4" SHALL BE 4' ABOVE GROUND LEVEL.
2. CONTRACTOR TO PROVIDE ALL MATERIALS, TRAFFIC CONTROL, PERMITS, FLAGGING, SHORING AND MISCELLANEOUS WORK TO TAP THE MAIN AND INSTALL THE SIDE SERVICE.
3. FOR DUCTILE IRON PIPE IN RIGHT- OF-WAY & EASEMENTS, USE RESTRAINING DEVICE AS SPECIFIED BY THE DISTRICT.
4. FOR TAPS ON:  
DI USE SST ROMAC, SMITH BLAIR, OR FORD TAPPING TEE. PVC OR CONCRETE, USE ROMAC CB TEE W/SST CLAMP, HDPE CONSULT THE DISTRICT.
5. PROVIDE DISTANCE IN FEET FROM TEE/SADDLE TO DOWNSTREAM MANHOLE TO THE DISTRICT.



**SEWER LATERAL  
EXISTING MAINS**

DATE: 11-2015

DWG. S-11

APPROVED BY: DLH  
DISTRICT ENGINEER