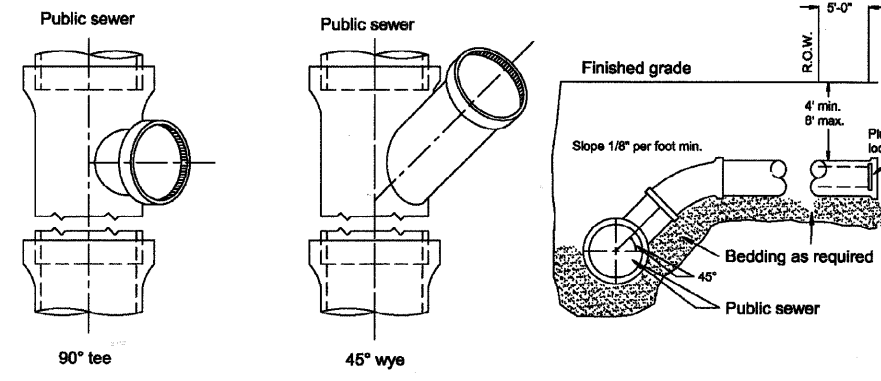


**STD. 307A** NOT TO SCALE

- NOTES:**
- The wye or tee shall be installed at a 45° angle to the horizontal axis of the public sewer.
  - Where a wye or tee is not provided, a tapping saddle may be used on a 12" or larger public sewer, or a section of pipe may be removed and a wye or tee installed.
  - The minimum slope on a sanitary sewer service shall be 1/8" per foot.
  - Sanitary sewer services shall extend 5' beyond the right-of-way, terminated with a manufactured plug, and the end located with a 2"x4"x10' board. The top of the board shall be painted green.
  - Within the right-of-way, the bedding, haunching, initial backfill, and trench backfill for the service shall match the requirement for the main line.

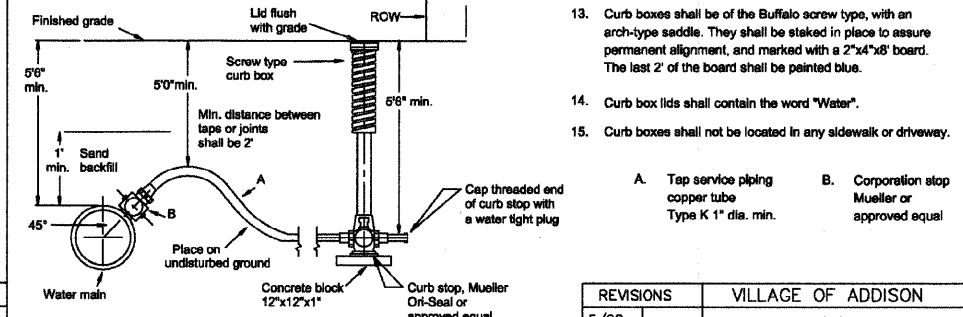


**SANITARY SEWER SERVICE CONNECTION**

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8/03	APPROVED: 2/2/94
	<i>[Signature]</i>
	R. ESPEDIDO, P.E., VILLAGE ENGINEER

**STD. 407** NOT TO SCALE

- NOTES:**
- A water service shall be installed to serve each adjoining lot, tract of land, or building site.
  - Water services shall extend to the curb box.
  - The minimum size water service shall be 1" copper water tube, Type K.
  - All copper connections shall be made with a flared joint.
  - Service taps 1" in size shall be made with a corporation stop.
  - Service taps greater than 1" up to and including 2" shall be made with a stainless steel tapping sleeve and a corporation stop.
  - Service taps larger than 2" in size shall use a stainless steel tapping sleeve and a tapping valve.
  - All copper water services shall be turned off, and left water tight by crimping or plugging the end. The end of the service shall be marked with a 2"x4"x8" board. The top 2" of the board shall be painted blue.
  - All water services shall be covered with a minimum of 1' of FA-6.
  - Services within the right-of-way shall then be backfilled with CA-6 to within 1' of the finished grade.
  - Curb stops shall be furnished and installed for each water service.
  - Curb stops shall be round-type, Mueller Ori-Seal or approved equal, set on a flat concrete block, 12"x12"x1".
  - Curb boxes shall be of the Buffalo screw type, with an arch-type saddle. They shall be staked in place to assure permanent alignment, and marked with a 2"x4"x8" board. The last 2" of the board shall be painted blue.
  - Curb box lids shall contain the word "Water".
  - Curb boxes shall not be located in any sidewalk or driveway.



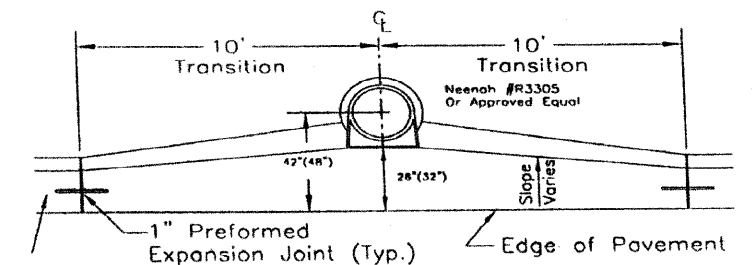
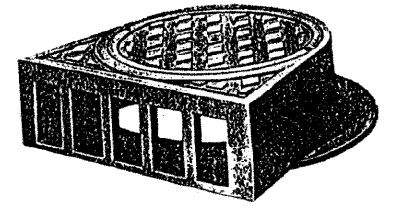
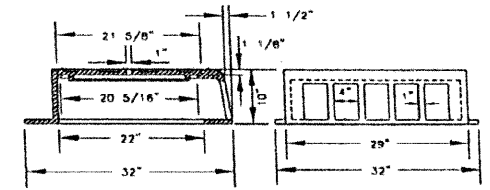
**WATER SERVICE CONNECTION**

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**SAG FRAME & LID**  
Sag Frame and Lid shall be Neenah Foundry Company #R-3305 or equal.

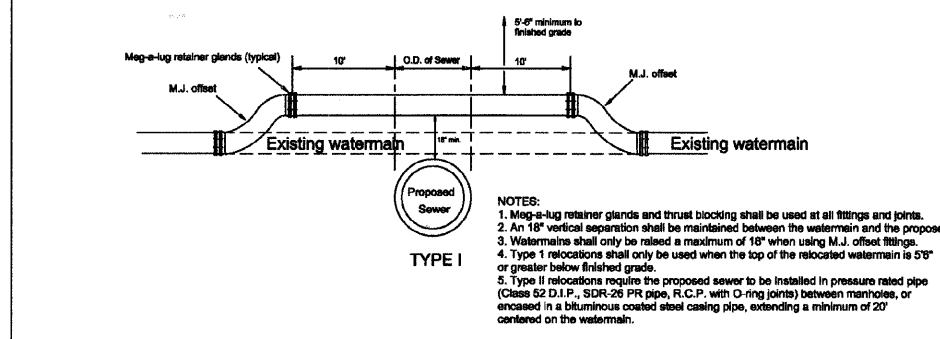
**R-3305 Catch Basin Frame and Lid**

For behind-the-curb construction,  
Heavy Duty  
Total weight 937 Kilograms (425 Lbs.)

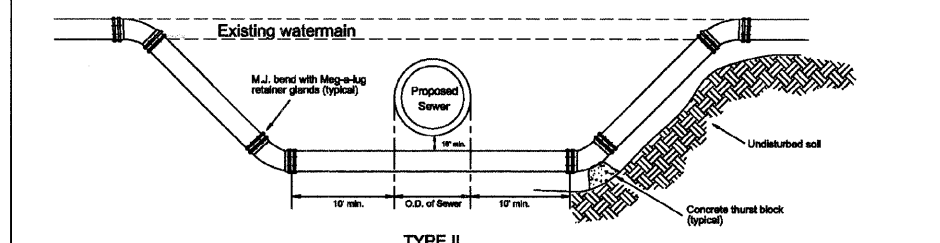


Type B-6.18(B6.24)  
Curb & Gutter (Typ.)

**STD. 402.1** NOT TO SCALE



- NOTES:**
- Meg-a-lug retainers and thrust blocking shall be used at all fittings and joints.
  - An 18" vertical separation shall be maintained between the watermain and the proposed sewer.
  - Watermains shall only be raised a maximum of 18" when using M.J. offset fittings.
  - Type I relocations shall only be used when the top of the relocated watermain is 5" or greater below finished grade.
  - Type II relocations require the proposed sewer to be installed in pressure rated pipe (Class 52 D.I.P., SDR-26 PR pipe, R.C.P. with O-ring joints) between manholes, or encased in a bituminous coated steel casing pipe, extending a minimum of 20' centered on the watermain.



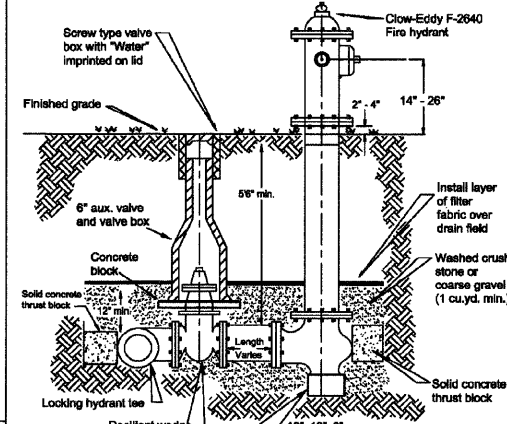
**WATERMAIN RELOCATION**

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**STD. 411** NOT TO SCALE

- FIRE HYDRANT SPECIFICATIONS:**
- Fire hydrant - Clow-Eddy F-2640 with breakaway flange, or approved equal.
  - Inlet connection - 6" flanged
  - Main valve opening - 5 1/4"
  - Hose nozzles - (2) 2 1/2"
  - Pumper nozzle - 4 1/2"
  - Thread pattern - National standard
  - Auxiliary valve - 6" Resilient Wedge Gate Valve

- NOTES:**
- All fire hydrants shall be painted yellow (Dura-King Supreme #457-57 School Bus Yellow Truck, Tractor, and Implement Enamel).
  - The fire hydrant shall open by turning to the left (counter clockwise).
  - All nozzles shall be fitted with cast iron threaded caps securely connected to the fire hydrant with chain.
  - All fire hydrants shall be installed with a locking hydrant tee, and thrust blocking installed behind the hydrant tee.
  - A layer of filter fabric shall be installed over the drain field.
  - Fire hydrants shall be set on a 12"x12"x8" solid concrete block, and a thrust block positioned behind the fire hydrant.
  - Poured in place concrete blocking will not be allowed.
  - A minimum of 1 cu.yd. of washed gravel shall be placed around the fire hydrant.
  - The fire hydrant and auxiliary valve shall be staked in place to assure permanent alignment.
  - Fire hydrants shall be installed in such a manner that the pumper connection faces the street.
  - The auxiliary valve shall be bolted directly to the locking hydrant tee.



**FIRE HYDRANT**

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2/97 5/98	APPROVED: 2/2/94
8/03	<i>[Signature]</i>
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REVISIONS	
NAME	DATE

VILLAGE OF ADDISON  
**DETAILS**  
FULLERTON AVENUE

N.A. 0 N.A. HORIZ.  
N.A. SCALE IN FEET N.A. VERT.

DATE: 11/26/2007  
DESIGNED BY: RTM  
TECHNICIAN: JRR  
CHECKED BY: JRV