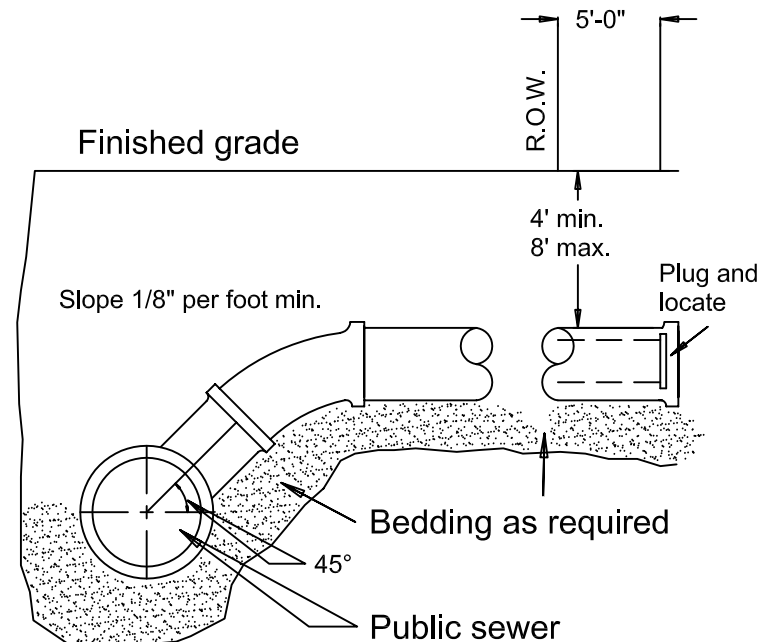
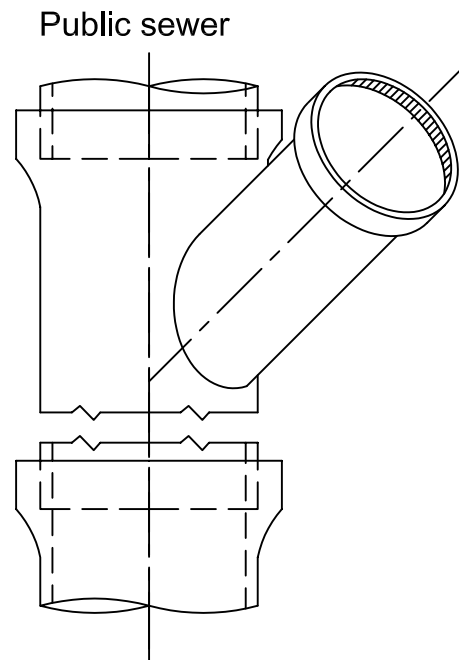
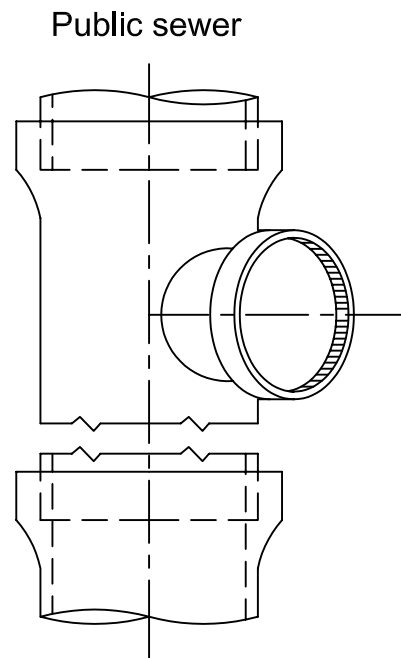


STD. 307A

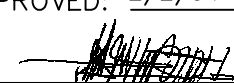
NOT TO SCALE

NOTES:

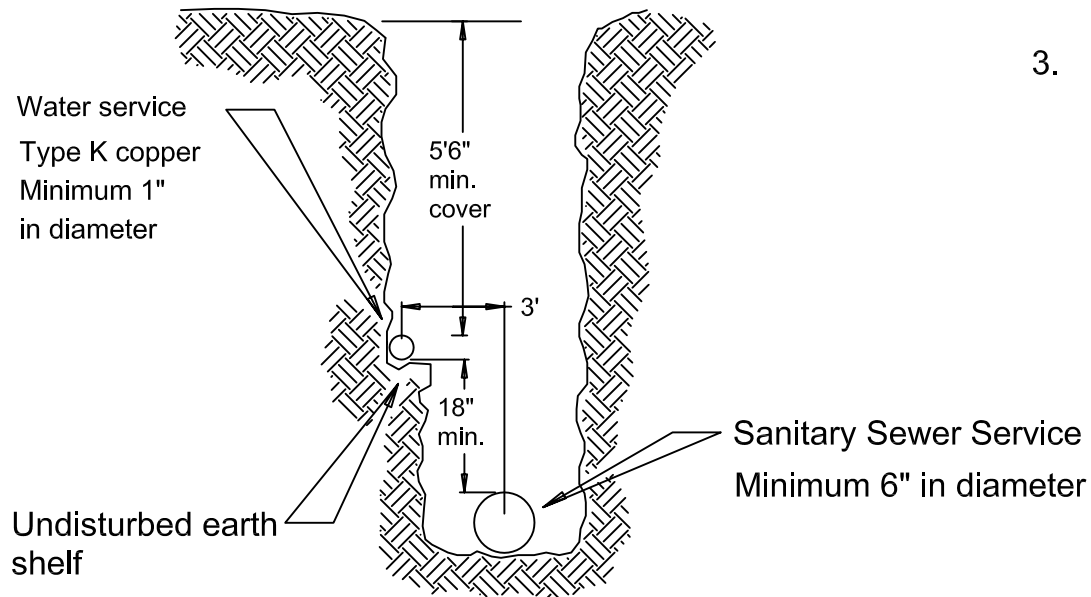
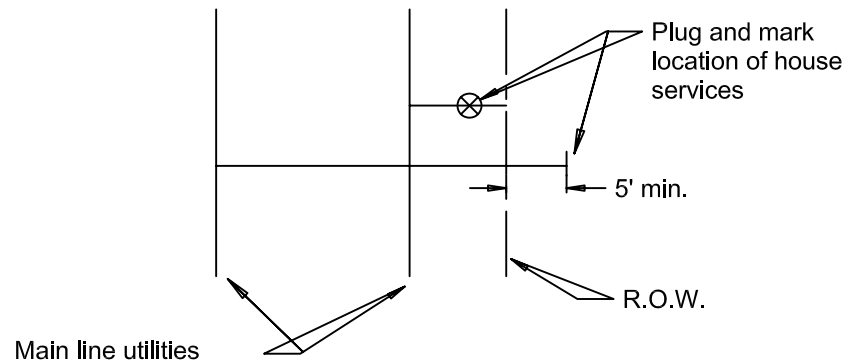
1. The wye or tee shall be installed at a 45° angle to the horizontal axis of the public sewer.
2. Where a wye or tee is not provided, a tapping saddle may be used on a 12" or larger public sewer, or a section of pipe may be removed and a wye or tee installed.
3. The minimum slope on a sanitary sewer service shall be 1/8" per foot.
4. 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.
5. 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

| REVISIONS | | VILLAGE OF ADDISON |
|-----------|--|---|
| 8/03 | | APPROVED: 2/2/94 |
| | |  |
| | | R. ESPEDIDO, P.E., VILLAGE ENGINEER |

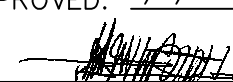
STD. 307A

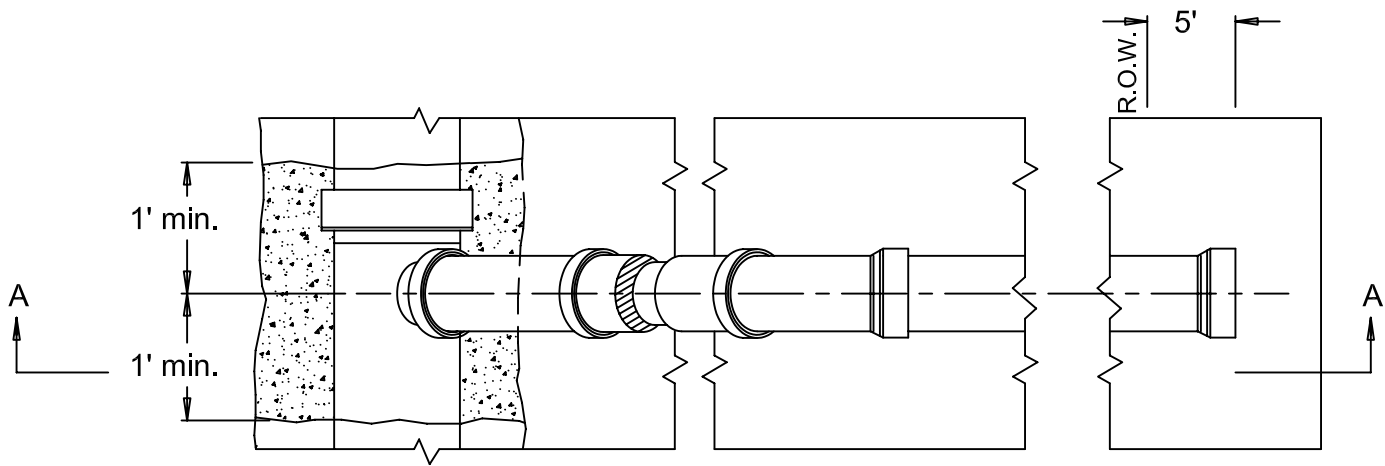


- Notes:
1. Where an 18" minimum vertical separation cannot be maintained between the water service and the sanitary service, they shall be installed in separate trenches a minimum of 10 feet apart and a maximum of 15 feet apart.
 2. Within the right of way, the bedding, haunching, initial backfill, and trench backfill for the service lines shall match the requirements for the main line.
 3. House services shall connect with the main line utilities to serve each adjoining lot, tract, or building site. Such house services shall extend from the main to a point 5 feet beyond the right of way, the services shall be plugged and the location marked.

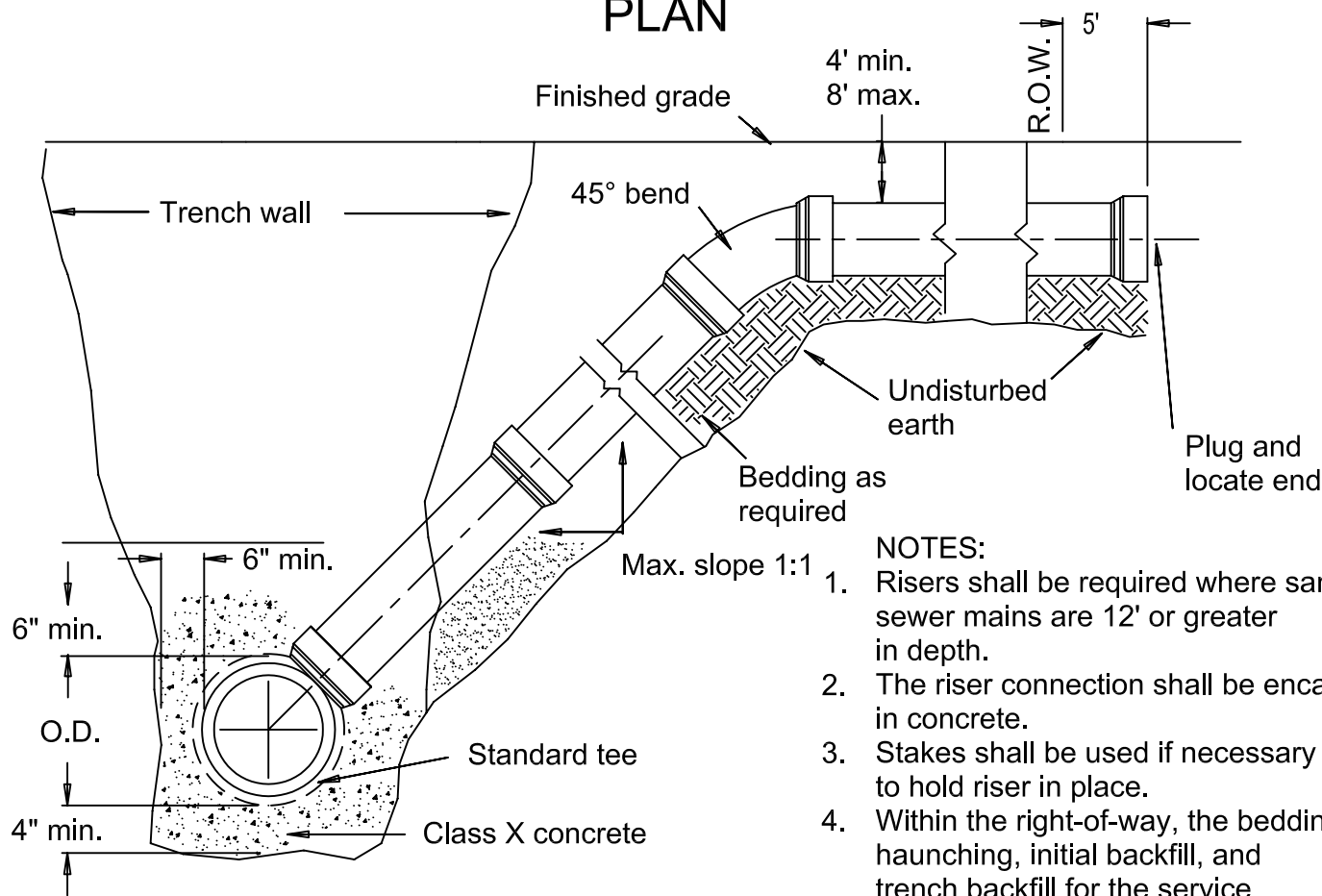
House Service Connection

(Common Trench Section)

| REVISIONS | | VILLAGE OF ADDISON |
|-----------|--|---|
| 8/03 | | APPROVED: 2/2/94 |
| | |  |
| | | R. ESPEDIDO, P.E., VILLAGE ENGINEER |



PLAN



SECTION A-A

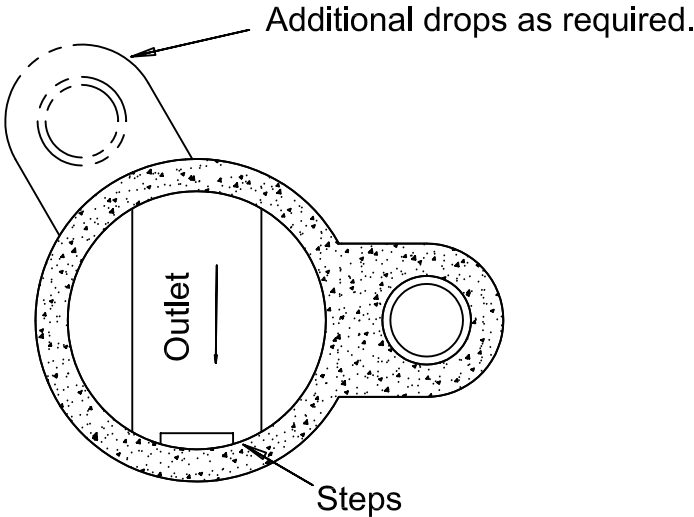
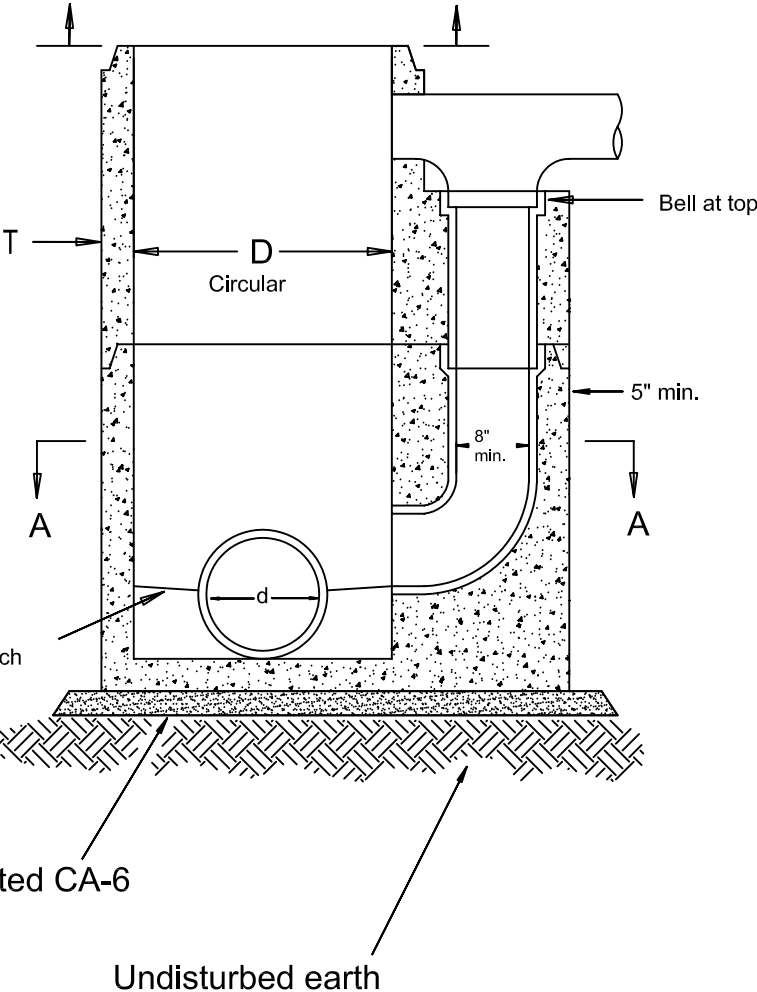
NOTES:

1. Risers shall be required where sanitary sewer mains are 12' or greater in depth.
2. The riser connection shall be encased in concrete.
3. Stakes shall be used if necessary to hold riser in place.
4. Within the right-of-way, the bedding, haunching, initial backfill, and trench backfill for the service shall match the requirements for the mainline.
5. 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 2' of the board shall be painted green.

SANITARY SEWER
SERVICE RISER
CONNECTION


| REVISIONS | | VILLAGE OF ADDISON |
|-----------|--|-------------------------------------|
| 8/03 | | APPROVED: 2/2/94 |
| | | |
| | | |
| | | R. ESPEDIDO, P.E., VILLAGE ENGINEER |

Portions above this point are to be constructed the same as a typical sanitary sewer manhole.

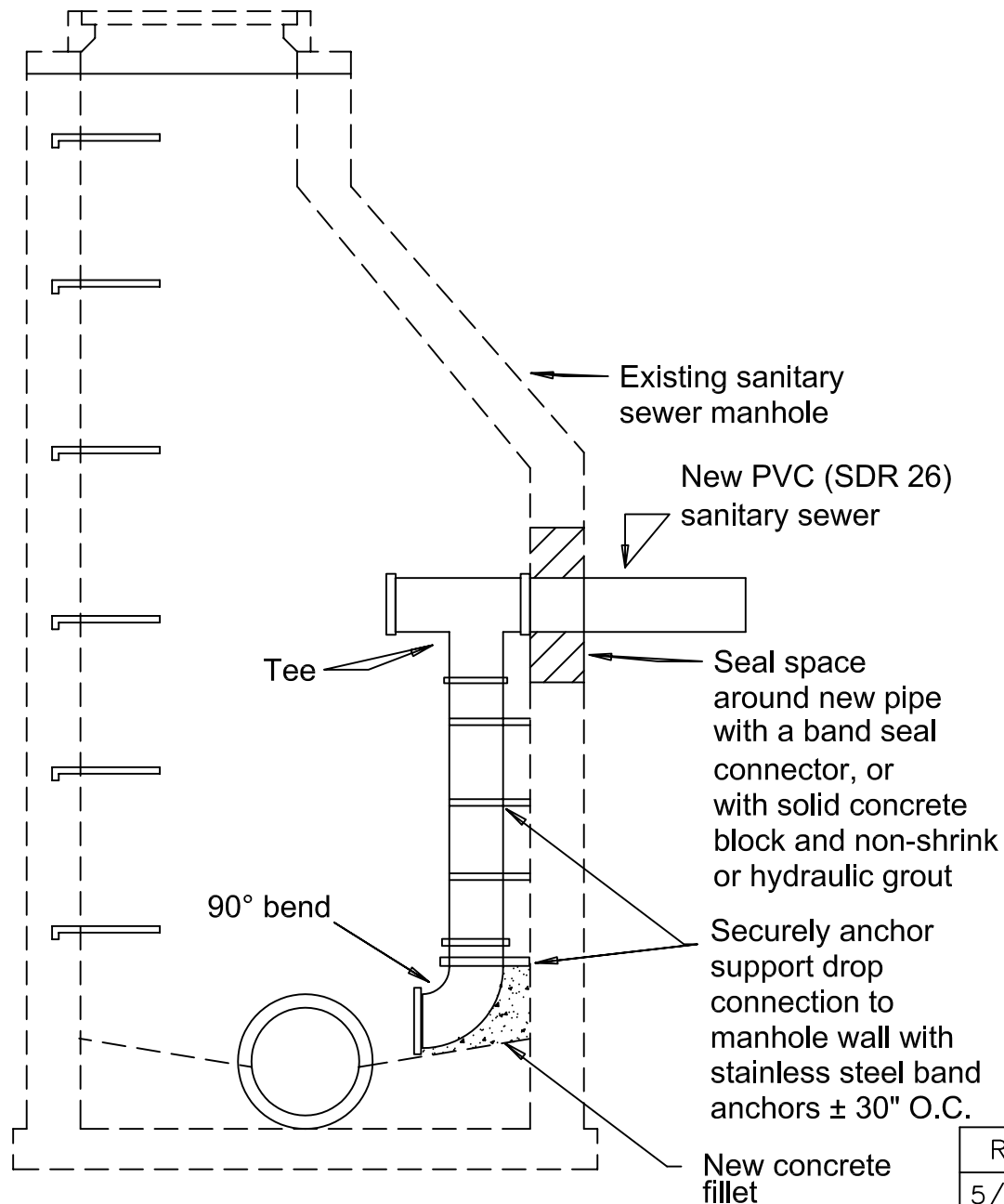


SECTION A - A

1. A drop manhole shall be constructed where the invert elevation of the incoming sewer is more than 24" above the invert of the manhole.
2. All sections shall be precast reinforced concrete, with the drop section monolithically poured.
3. Manhole sections shall meet ASTM C-478.
4. Joints between sections shall meet ASTM C-443.
5. All other requirements of a sanitary sewer manhole shall be satisfied.

| REVISIONS | | VILLAGE OF ADDISON |
|-----------|--|---|
| 8/03 | | APPROVED: 2/2/94 |
| | |  |
| | | R. ESPEDIDO, P.E., VILLAGE ENGINEER |

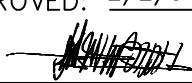
EXTERNAL DROP MANHOLE

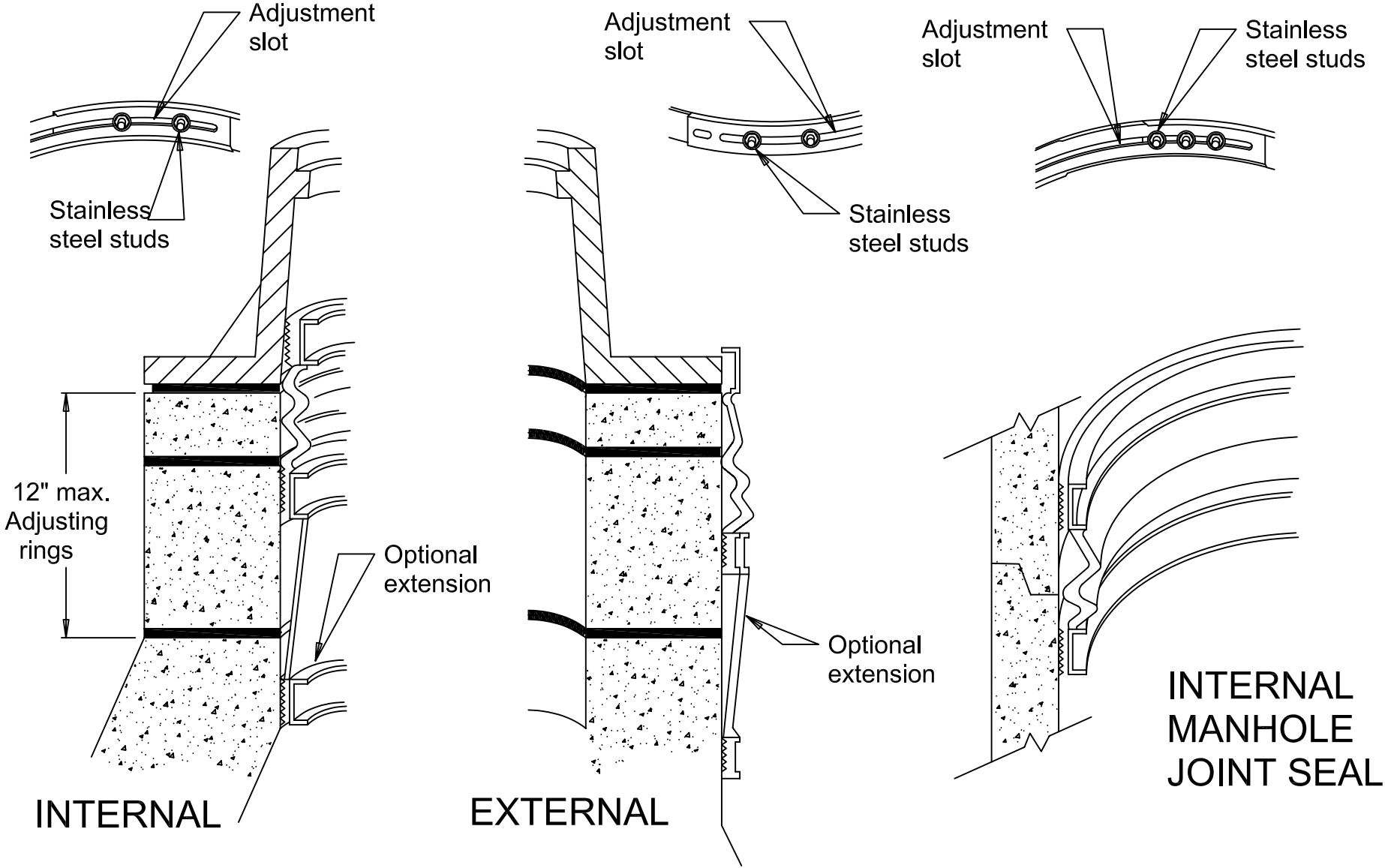


INTERNAL DROP MANHOLE


Notes:

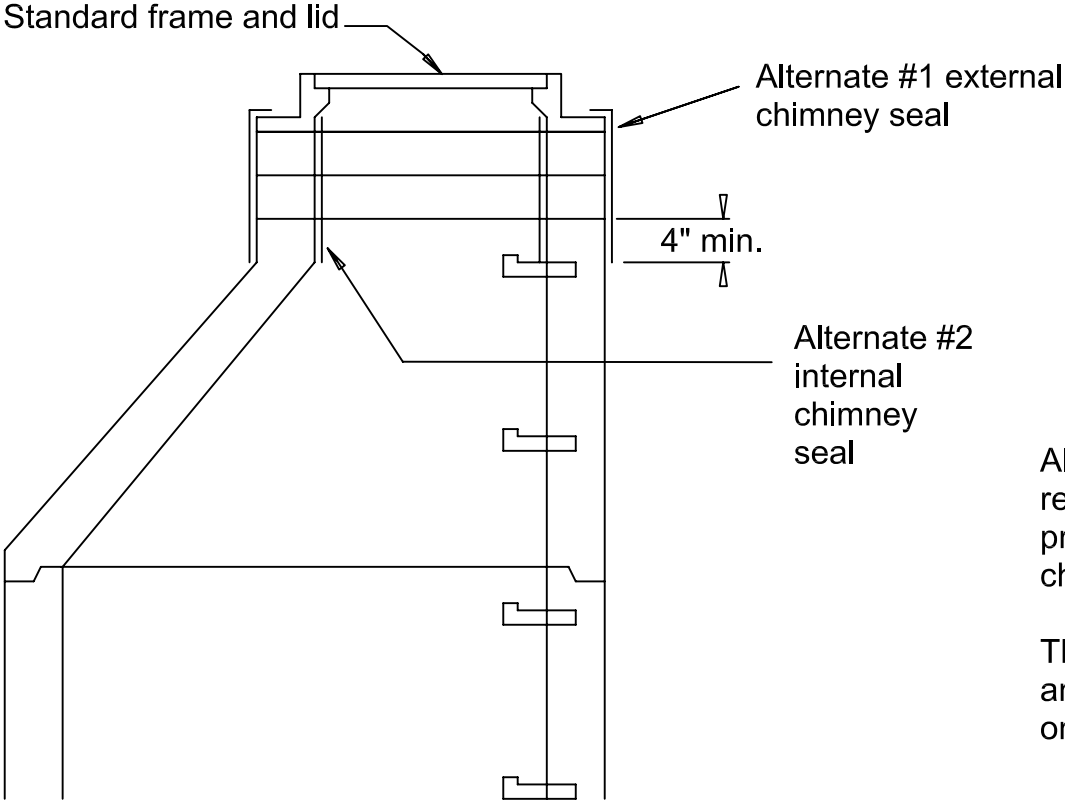
1. An internal drop shall only be used at an existing sanitary sewer manhole, with the approval of the Director of Community Development.
2. If the drop connection, its anchors, or supports interfere with access to the manhole, then new manhole steps shall be provided to allow for access.
3. Existing manhole frame shall conform to standard sanitary sewer manhole frame and lid specifications. If not, it shall be removed and replaced with a frame and lid that does meet those specifications.
4. If there is not a chimney seal on the manhole, the contractor shall install one. (See Std. 308.11A & 308.11B)
5. Internal drop assembly may be constructed with ductile iron pipe, P.V.C. SDR 26 pipe, or schedule 40 pipe with chemical weld type joints.

| REVISIONS | | VILLAGE OF ADDISON |
|-----------|--|--|
| 5/98 | | APPROVED: 2/2/94  R. ESPEDIDO, P.E., VILLAGE ENGINEER |
| 8/03 | | |
| | | |
| | | |



MANHOLE CHIMNEY SEALS


| REVISIONS | | VILLAGE OF ADDISON |
|-----------|--|---|
| 8/03 | | APPROVED: 2/2/94 |
| | |  |
| | | R. ESPEDIDO, P.E., VILLAGE ENGINEER |



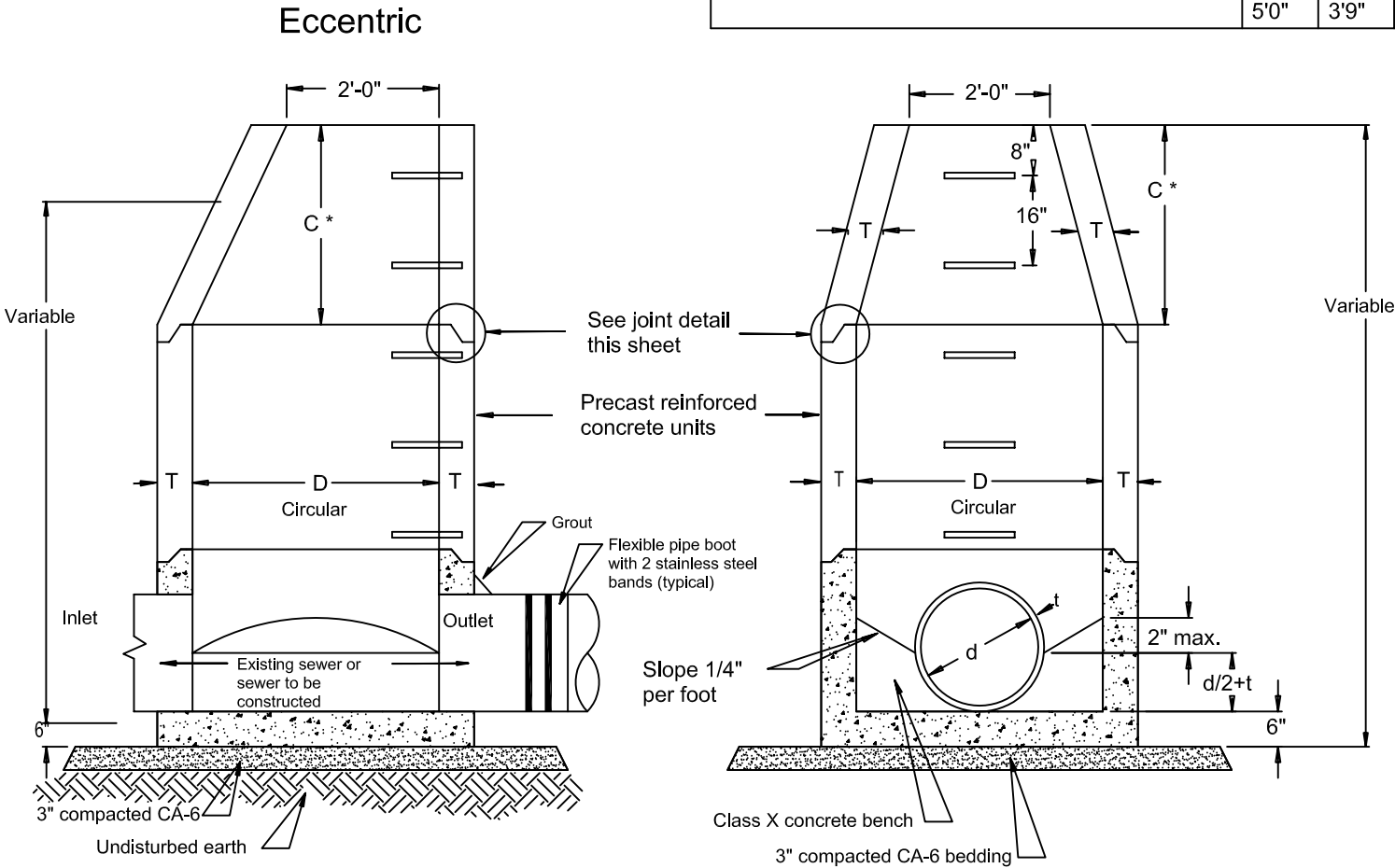
All new, and any existing sanitary sewer manholes requiring adjustment, or reconstruction shall be provided with an external or internal chimney seal. (Cretex or approved equal)

The seal shall extend a minimum of 4" below any adjusting rings and shall clamp onto the manhole frame and cone.

CHIMNEY SEAL

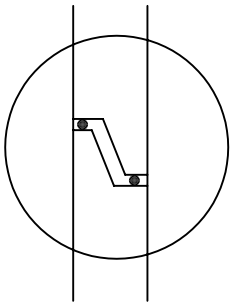
| REVISIONS | | VILLAGE OF ADDISON |
|-----------|--|---|
| | | APPROVED: 2/2/94 |
| | |  |
| | | R. ESPEDIDO, P.E., VILLAGE ENGINEER |

| ALTERNATE MATERIALS FOR WALLS | D | C | T _(min) |
|--------------------------------------|------|------|--------------------|
| Precast Reinforced Concrete Sections | 4'0" | 2'6" | 4" |
| | 5'0" | 3'9" | 5" |
| Cast-in-Place Concrete | 4'0" | 2'6" | 6" |
| | 5'0" | 3'9" | 6" |



* Dimension "C" for Precast Reinforced Concrete Sections may vary from the dimension given to plus 6 inches.

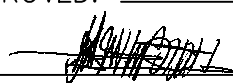
Apply a full bed of bituminous mastic or two continuous rows of pre-formed, bituminous mastic material (E-Z Stick or approved equal) to each joint to prevent inflow. Interior manhole joints are to be "dressed up" with non-shrink or hydraulic grout.



Joint Detail

- Notes:
1. Manholes shall be precast reinforced concrete units, conforming to ASTM C-478 unless otherwise noted.
 2. Base and wall section shall be precast as a monolithic unit with Class X concrete unless approved otherwise.
 3. A flexible water-tight rubber pipe boot, conforming to ASTM C-923 shall be precast into the manhole. Two stainless steel bands shall secure the pipe in place.
 4. All new, and any existing sanitary manholes requiring adjustment or reconstruction, shall be provided with an external or internal chimney seal. (Cretex or approved equal)

SANITARY SEWER MANHOLE TYPE A

| REVISIONS | | VILLAGE OF ADDISON | |
|-----------|--|---|--|
| 8/03 | | APPROVED: 2/2/94 | |
| | |  | |
| | | R. ESPEDIDO, P.E., VILLAGE ENGINEER | |