



FLAGG CREEK WATER RECLAMATION DISTRICT

7001 Frontage Road Burr Ridge, IL 60527

June 15, 2020

To: PERMIT APPLICANTS

SUBJECT: DESIGN OF SEWER EXTENSIONS OR BUILDING CONNECTIONS

*** OVERHEAD SEWERS REQUIRED – OVERHEAD SEWERS REQUIRED ***

1. CLASS B BEDDING MATERIAL:

- A. Grade 8 Stone or C-6, properly compacted.
- B. 6" minimum under pipe and one foot over. Under or within 2' of streets, driveways, sidewalks, curbs, gutters, pavements or shoulders, from pipe crown up to ground level.
- C. Must be well spaced on both sides of pipe.

2. PIPE SIZE:

- A. House connection 6". Minimum slope of 1%. Invert elevation at least 2 feet above later sewer located at either the 10 or 2 o'clock position.
- B. Pipe to connect to building plumbing at least 2 feet above the footing.

3. MATERIALS:

- A. Sewer - PVC SDR 26 (PVC SDR 18 Preferred) ASTM 3034.
- B. Sewer within 50 feet of a well – PVC SDR 18, Cast or Ductile water main, C 900 PVC or SDR 26 ASTM 2241.
- C. Any double wall foundation (new construction or addition) required ductile iron pipe.
- D. All transition couplings (mission) will be the non-shear type.
- E. Any taps into existing sewer lines shall be made with Geneco Sealtite sewer pipe saddles or equal, approved by FCWRD.

4. RESTORATION:

- A. Owner is responsible for entire work area.

5. INSPECTION:

- A. 24 hour notice required.
- B. All ditches to remain open until inspected.
- C. Permit must be on site and collected by inspector when work is completed.

6. SUMP PUMP:

- A. Sump pump for footing tile drains and window wells cannot connect or discharge to any sanitary line.
- B. Sanitary sump and drain tile sump must be installed with a 10 ft. MINIMUM separation between sump pits
- C. For retro fits with less than 10' separation of sumps, sanitary ejector pit liner must be replaced with a new liner.

7. CLEANOUTS:

- A. Allowed by FCWRD.

8. MANHOLES:

- A. Booted manholes are required.
- B. Precast with concealed pick hole cover indicating "Sanitary Sewer".
- C. Manholes include internal chimney seal. ASTM C-923
- D. Manholes coated with waterproofing on outside wall. ASTM C-877
- E. Dish flow line is not allowed.

9. BONDS:

- A. Contractor must be bonded with FCWRD in the amount not less than \$10,000, or submit their Illinois 055 certificate.