

Public Water Supply District No. 2 of St. Charles County

Phone (636) 561-3737

www.waterdistrict2.com

Service Address
100 Water Drive
O'Fallon, Missouri 63368

Mailing Address
P.O. Box 967
O'Fallon, Missouri 63366

November 7, 2014

Mrs. Emily Carpenter
Missouri Department of Natural Resources
Water Protection Program
PO Box 176
Jefferson City, MO 65102-0176

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WATER PROTECTION PROGRAM

Mrs. Carpenter:

Public Water Supply District No. 2 of St. Charles County (the "District") received the comment letter dated August 1, 2014 from your office in response to our Sanitary Sewer Collection System Specifications, revised July 2013. District staff has reviewed your comments, and offer the following responses to the 'Requirements' section of your letter:

1. The District's specifications have been revised to include concrete anchors in Section 1.14. Concrete anchors are specified as cross blocks as shown in Detail J of the District's Sanitary Specifications.
2. Section 2.01 of the District's specifications currently requires the use of a laser for precise alignment and grade installation.
3. Curvilinear alignment of sewers has been incorporated into Section 2.01 of the District's specifications.
4. The District's bedding specification can be found in Section 1.13 for both PVC and Ductile Iron pipe. Additionally, ASTM C12 refers to vitrified clay pipe. The District no longer allows the installation of vitrified clay pipe.
5. Bedding, haunching, and backfill specifications can be found in Section 1.13 for both PVC and Ductile Iron pipe.
6. Per the District specification Section 1.13, these materials are not allowed anywhere in backfill.
7. This comment has been incorporated into Section 2.09 of the District's specifications.
8. This comment has been incorporated into Section 2.09 of the District's specifications.
9. This comment has been incorporated into Section 2.06 of the District's specifications.
10. The District has had good experience with utilizing minus backfill around outside drop manhole excavations in the past and requests that they are allowed to continue utilizing this method. No change has been made to the District's specifications and details regarding this comment.
11. Section 2.02 of the District's specifications has been modified to include all requirements of 10 CSR 20-8.120(6)(E).
12. ASTM C497 is now included in Section 2.02 of the District's specifications.

13. Manhole water-tightness is addressed in Sections 2.03 and 2.04 of the District's specifications.
14. Corrosion protection is addressed in Section 2.03 of the District's specifications.
15. This comment has been added to Section 1.10 of the District's specifications.
16. Ductile iron pipe is now specified for stream crossings per Section 1.10 of the District's specifications.
17. This comment has been incorporated into Sections 1.03 and 1.10 of the District's specifications.
18. This comment has been incorporated into Section 1.10 of the District's specifications.
19. This requirement has been incorporated into Section 1.06 of the District's specifications.
20. This requirement has been incorporated into Section 1.06 of the District's specifications.
21. This requirement has been incorporated into Section 1.06 of the District's specifications.
22. The appropriate citation has been revised as noted.

The additional recommendations provided by MoDNR have been taken into consideration and incorporated into the District's specifications if deemed appropriate.

A copy of District's revised specifications is enclosed for your file. If you have any additional comments or questions, please feel free to contact me at 636-561-3737 ext. 102.

Sincerely,

A handwritten signature in blue ink that reads "Matt Jaspering". The signature is written in a cursive style with a long horizontal flourish at the end.

Matt Jaspering, P.E.
District Engineer

enclosure