

# City of Jefferson

Department of Public Works  
320 E. McCarty St.  
Jefferson City, MO 65101



**Eric J. Struempf, Mayor**

Matt Morasch, P.E., Director  
Phone: 573-634-6410  
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March 23, 2015

RECEIVED  
MAR 24 2015

Missouri Department of Natural Resources  
P.O. Box 176  
Jefferson City MO 65102-0176  
Attn: Byron F. Shaw, P.E., SRF Engineering Chief

RE: Response to letter dated February 24, 2015 regarding sewer permit authority  
MO-0094846 & MO-0044300

Dear Byron:

The following is a response to the review letter provided. The numbered responses correspond to the numbered comments. Any changes to the original submitted specifications are in *red and italics*.

## REQUIREMENTS:

1. The cover sheets for the specifications and details are attached.
2. We will refer to the provisions in 10 CSR 20-8.120. See section SS 4.3.b.4.
3. 30.01 is part of the standard sewer details, but was inadvertently omitted from the submittal the Department received January 20.
4. The provisions of 10 CSR 20-8.120(5)(H)2.D. have been added to section 4.3.f.
5. Section SS 4.4 has been modified to add 10 CSR 8.120(5)(H)3.C & D.
6. We have added this clause to SS 7.1 a. To avoid settlement, and make the performance of part b. possible, we do not want any of the unsuitable materials in the backfill.
7. The language has been added to section SS 9.3.e.
8. This was added as SS 4.8 e. We require wyes in lieu of saddles, but will allow them if the plumbing inspector believes cutting in a wye will damage an existing sewer main.
9. A note has been added to detail 50.02 that does not allow pipe connections at manhole joints.
10. We have had multiple drop connections pull away from manholes because of concrete encasement of drop connections. We have looked at methods to stabilize the encasement such as drilling reinforcing steel into the manhole around the top connection and extending this into the encasement, but this is detrimental to the service life of the precast manhole. Our detail does support the connection from unequal earth pressure and we have had no failure since it has been in practice since 2007. We respectfully request to keep our current detail.
11. The bench slope provision is included on detail 50.01. The discharge provision has been added to section SS 5.3.d.
12. This provision has been added as section SS 5.7.
13. We have referenced all of 10CSR 20-8.120 (8) by adding section SS 4.3.h.
14. We have referenced all of 10CSR 20-8.120 (8) by adding section SS 4.3.h.
15. We have referenced 20-8.120 (9) by adding section SS 6.5.
16. We have referenced 20-8.120 (10) (C) by adding section SS 4.3.i.

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17. We have referenced 20-8.120 (10) (C) by adding section SS 4.3.i.
18. We have referenced 20-8.120 (10) (C) by adding section SS 4.3.i.
19. We have referenced 20-8.120 (10) (C) by adding section SS 4.3.i.

RECOMMENDATIONS:

1. This paragraph has been added to SS-4.3.c.
2. The leakage rate for section SS- 9.2.2.6 has been changed to 100 gal/inch of I.D./day/mile.
3. This provision has been added to section SS-5.6.
4. This provision has been added as section SS-5.8
5. We will take this recommendation under advisement.

Let me know if you require any additional information. This review has been beneficial to our standard specifications and details.

Sincerely,



Eric Seaman, P.E.

Wastewater Division Director

CC: Shane Wade, P.E., Plant Review Engineer  
David Bange, P.E., City Engineer

Attachments