



North Central Texas Council of Governments

# SUMMARY

## Public Works Standard Drawings Subcommittee

Monday, March 22, 2021

10:00 AM – 11:30 AM

Microsoft Teams

[https://teams.microsoft.com/l/meetup-](https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTVIM2RmMjgtZmM4ZS00NDZILWEzYWEtMDZiZGlyMzBhZml2%40thre)

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[aabddb4e29b1%22%2c%22Oid%22%3a%222370af9a-6a25-4148-ae37-](https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTVIM2RmMjgtZmM4ZS00NDZILWEzYWEtMDZiZGlyMzBhZml2%40thre)  
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1. **Welcome and Introductions.**
2. **Meeting Summary.** The subcommittee can provide feedback on the January 25th meeting summary.

The subcommittee approved the January 25<sup>th</sup> meeting summary.

3. **Frisco Trash Screen.** NCTCOG staff will provide an overview of the Frisco trash screen collection system.

The subcommittee would like to include the Frisco trash screen as a detail in Division 1000. NCTCOG will provide information to the Public Works Council on March 25<sup>th</sup> and ask if the Council will approve the rest of the Task Order 5 funds from the Halff contract to be used to complete these details.

4. **Division 5000 Review.** The Subcommittee will begin reviewing Division 5000: Wastewater Collection.

The subcommittee would like to add a detail for boring or casing. NCTCOG should look at Coppell's details when creating it. Chris will Olivia a go by to get started.

### 5020

- NCTCOG should reach out to Frontera or a trade group to ask about the comment, "non-shrink gout coating when not in paving."
- To reduce inflow and infiltration (I&I), wrap manhole and/or add chimney seal to assist with that issue. Make a note, "Poly wrap around manhole or just cone and riser section; and/or a chimney seal (inside the riser), a rain pan could be inside the manhole cover."
- Elevate manhole 1' above floodplain.
- Review 5070 and City of Coppell 5020 to eliminate confusion of ½ in pavement, ½ out.

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- Missing manhole frame and cover that was in the Stormwater section, see also as a starting point: 502.1.4.6.
- Keith suggested using a composite grade ring that is more durable than the old cast/concrete rings. He also suggested using composite manhole covers because they are less crumbly. He gave NCTCOG the link to the newly updated Lewisville drawings. <https://www.cityoflewisville.com/about-us/city-departments/engineering/standard-construction-details>

5030

- Grade rings should have a min/max dimension, not “min. 4 courses.”
- Note 1 should be changed from “23” below top of curb” to “below top of pavement.” This will match 5020.
- add “...or as required to construct pavement section, including subgrade.”
- To reduce inflow and infiltration (I&I), wrap manhole and/or add chimney seal to assist with that issue. Make a note, “Poly wrap around manhole or just cone and riser section; and/or a chimney seal (inside the riser), a rain pan could be inside the manhole cover.”

5040

- Add note that this is just one alternative material – other materials could be used, per approval of by city engineer.
- In future, other materials should be added to the specifications. Add this to our list of future spec issues to address. Ask fiberglass pipe trade group for any detail updates that they would include.

5050

- Show flat top with standard and bolt down frame and cover.
- The group discussed that a monolithic pour is a heavy burden for the industry.
- An access chamber with clean outs is references in the specifications but is missing from the drawing.
- 24” opening at the bottom is no longer sufficient, it should be 30”.

5060

- TCEQ 217 rule should be added as a note for the height outlet above the floodplain.
- Add a dimension for a minimum burial vent pipe.
- Add embedment or flowable fill to add stability.

5. **Next Steps.** Subcommittee will outline next steps to be taken by NCTCOG staff and the group as a whole before the next meeting.

Olivia will send an unlocked pdf of Division 5000 to the group.

6. **Next Meeting.** The Standard Drawings Subcommittee next meeting is Monday, April 19, 2021 through Microsoft Teams.

7. **Adjournment.**

If you plan to attend this public meeting and you have a disability that requires special arrangements at the meeting, please contact Olivia Kale by email at [okale@nctcog.org](mailto:okale@nctcog.org), 72 hours in advance of the meeting. Reasonable accommodations will be made to assist your needs.



**North Central Texas Council of Governments**

Standard Drawings Attendance March 22, 2021

Keith Marvin (Lewisville)  
Mathew Busby (LAN)  
Chris Cha (Pacheco Koch)  
Ali Hatefi (City of Dallas)  
Edith Marvin, NCTCOG  
Olivia Kale, NCTCOG  
Brian Salvesen, NCTCOG

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