

UNDERGROUND MATERIALS AND METHODS SUBCOMMITTEE

January 18, 2023

11:00 a.m.

Via Microsoft Teams

1. Call meeting to order - 11:03

2. Self-introduction

Gean Na – ACPA

Jamie Lienberger – Lienberger and Assoc

Kent Carlson – NCPI

Jackie Jacques – Sekisui

Diego Rivera – Thompson Pipe Group

Shane Sweeny – Thompson Pipe Group

Mark Giljum – LACSD – Sewer Design

Dan Zarraonadia – Pre Con Products

Caleb Shen – Thompson Pipe Group

Andy DeSilva – OCSD

Edgar Benitez – Rinker Materials

Dickie Fernandez – OCSD

Jacob Monroe – Advanced Drainage Systems

3. Meeting minutes: <http://www.greenbookspecs.org/minutes.asp>

Recap of NOV 2022

4. Announcements, Correspondence and Summary of GB meetings

JJ: Pipe Users Group Feb 16, 2023 Concord Hilton – Jackie has a flyer - JL will pass around.

GN: No correspondence want to get all things done that we have to do this year. Best to get more people involved at this LEVEL vs involved at the MAIN meeting. Best that we view it now and then sent it on.

GN: impromptu meetings about inflation and price increases – AGC is discussing this right now, hot button item with GB not so much with our committee.

5. Old Business

1. Change No. 284 UM - Part 5 (David Badgley).

GN: DB is not here and we are at a stalemate, and I have asked JL to step in and help get it done. WE really need to get part 5 done. He does not get paid, but we need to get this done. WE will meet twice a month on this to get it done, we are more of an editorial group, not a repeating of history. WE need to get this to the Sub committee to the February 14th meeting!

JJ: we are here to get it done and support Jamie and Dave –

GN: we have had volunteers from previous meetings, and we need to get it done.

MG: we did not see paperwork in DEC -

DB did not send out a draft in DEC, GN did not have one to send out in DEC, hopefully we can get one to everyone before FEB meeting.

2. Change No. 318 UM - Composite Frame & Cover for Maintenance Holes (Dickie Fernandez).

GN to DF I believe this is at Editorial - last month Editorial said they did not get the paperwork to address the changes. GN will connect with Charles at Editorial - DF will attend the Editorial meeting. GN

3. Change No. 321 UM - Pickle Jar Test (Edward Arrington).

Distribute to the group Upload to TEAMS

This is also with Editorial –

Send out and put it on a 30 day hold –

Motion to 30 day hold – JJ

Second - JL

4. Change No. 323 UM – Grey Iron & Ductile Iron Casting (Dickie Fernandez – OCSD).

Send out this change form to the GB attendees.

Distribute to group – Upload to TEAMS

This is on a 30 day hold

Motion to 30 day HOLD - DF

Second - JL

6. New Business

1. Change No. 328 UM – Table 306.7.8.3.1 (Gean Na)

GN submitted this to the main committee last week, this is the table I am proposing - page 419 of current Greenbook, % of barrel deflection is allowed, 6.5 % allowed and we are saying to reduce this to 5%, and be consistent with states, DOTs and Caltrans and such, somehow greenbook had a lenient deflection limit and this does not help anyone, the sponsor of this change is COLA, COLA wanted this to be as low as 3% , GN: I knew 3% would be too challenging, 5% is appropriate and what we see thru out the nation, Flexible stormdrain pipe ASHTO – 5%

We will distribute and send out to the group – FEB we will put it on a 30 day hold.

Few other changes

KC: table 306-7.8.3.2 mandrel diameters, there is numerical error currently found in the table 306-7.8.2.4, deflection shall be measured from nominal ID, and average ID, the numbers are wrong for the SDR 35, so I have changed it both metric and imperial.

Distribute to the group and Upload to TEAMS

KC: GB talks about a mandrel odd numbered legged mandrel is not an accurate measurement. 9 legged mandrel does not accurately depict a pipe measurement. Mandrels need to be even numbered mandrel, even numbered 18 legged mandrel, is a accurate reading on 5 or 7 deflection, ASTM has researched and is moving forward also and anyone wanting to a deflection testing this is the way to go. Actual ASTM does not exists yet - ASTM needs to write the standard, we should write the spec and not wait for the ASTM to be written, there is an ASTM for suggested sizes not the mechanical attributes of the mandrel.

We will distribute to the group and Upload to TEAMS –

KC will present the Mandrel at the FEB meeting -

KC: deflection is measured via mandrel – after final back fill is assumed , it is done to test deflection post installation.

GN: mandrel is also to test structural integrity –

KC: will cover all the questions on the Show and Tell in FEB.

KC: pull a mandrel at a min of 30 days. At 30 days the final compaction has not been reached, so the testing needs to be done after the fiabnl compaction, so changes are suggested 11 month anniversary warranty inspection

KC: pipe has to be cleaned and can be mandrelled with a live flow , this ensures the pipe has been installed correctly.

GN: we have 6 months to get things out of our hands and into Editorial in to committee.

7. Next Meeting: February 14th, 2023