

16 May 2023

11:03 AM PST

Underground Subcommittee Meeting

New Materials and Methods

Brooks Ryan – Unibell pipe Association

Dave Badgely Badgley and Assoc

Edgar Benitez – Rinker

Gean Na -

Jacob Monroe - ADS

Jackie Jacques – Sekiesui

Jay Parvez – Unibell Pipe Assoc

Kent Carlson - NCPI

Jamie Lienberger – Lienberger and Assoc

Colin McCarter - LACPW

Rob Huning – COLA DS

Diego Rivera - TPG

Aidan Rajswing – TPG

Raffie Yeremian – AGC CA

David Wangerin – EJ

Caleb Shen – TPG

Dickie Fernandez - OCSD

Minutes motion to approve KC, DB second

JL – confirm FEB notation from KC is stricken.

Announcements:

Change 318 UM Composite Frame and Covers – sponsored by OCSD passed and approved and will be in the 2023 Edition of Greenbook -

Change 328 - GN will discuss in Old Business.

GN: floor open to announcements, tours, open houses etc. - NONE

OLD Business –

331 UM pickle jar test – comments from Editorial - subscript deleted when not required, Alan says subscript should be there, move to 4th column.

Motion to send 331 UM back to Editorial –

Change 323 Grey iron/ Ductile Iron GN to CM did they discuss this change at the meeting – we went through it at the meeting – we talked through it but there was nothing to pass back to this subcommittee.

Without comment, it should be moving forward at this Thursday's meeting.

CM we just wanted to make sure that this group could look at it one more time.

GN: it has been voted on, not formal there was only 3 of us there (CM)

GN I will check with Charles tomorrow.

328 Barrel deflection – GN had this on our table since the start of year, change the deflection from 6.5% to 5%, a lot of industry conversation, to follow ASHTO standard, no comments from manufacturers.

JayP: black screen – could we see the table – what is the proposed change?

GN opens the table -

JP: Steve Cooper – was here and I have not had a chance to speak to him.

GN: shows submitted proposed change 0- replace the 6.5% with 5%-barrel deflection storm drain,

Table 306.7.8.3.1 This will allow us to follow ASHTO, this change is independent of other changes,

This was proposed to COLA- they wanted to use 3%, as they do in the Brown Book - 5% is national standard so all who read Greenbook can use.

GN: put this on a 30-day hold –

JL makes a motion to put it on a 30-day hold,

RY: I read old versions of Greenbook, this was an older version and what is the genesis of this change?

How did we arrive at 6.5% in the first place?

GN: seen it in 2015 and beyond, have not looked back further - there was a huge change to part 2 and part 3 and this perhaps was in that, I can look back to see when it was changed,

KC: 2009 – it is not in this version, so it was perhaps introduced in 2012 or 2015 – table has a mandrel diameter but not a %.

GN: without looking at all the changes and meeting minutes.

KC: same thing with deflection changes on my work orders- scope of changes that were made without notes and or documentation. I requested those changes, and I got nothing in response from Greenbook. I would be interested in these changes as well.

GN: I assume there is a record of the changes, I will see how this was and why it was changed.

RY: 2006 and 2009 it references 5% and 3% and then 6.5% was introduced in a table format beyond this.

GN: any other comments on this it is on a 30-day hold.

329UM: table 306.7.8.3.2 Change by KC - back to KC- please put the table up:

KC: change to adjust the minimum mandrel diameter they were not correct with ASTM D3034, looked at more and they were also not correct. I put together a PDF to show the changes – spread sheet with all the current mandrel sizes, and then prepared this. PDF (we viewed during the meeting)

ASTM list, MAX deflection allowed, Min mandrel size, 2012 info, 2015 info, 2015 mandrel OD reduction, and 2021 published mandrel deflection allowance – KC showed the changes significant changes made and currently cannot find out the reasons why, ASTM D3034 has not been changed since 1970's.

KC: FRMP ASTM D3262 – green book calls out information the ASTM does not call out information

2012- 2015 changes in green book occurred - KC these numbers were added, and no one knows where they came from or who changed them, or when they were changed.

Green columns are the correct minimal mandrel sizes that should be in Greenbook, I have not gotten any correspondence or comments about any of these from last month's meeting when I discussed it.

G N: are we helping the community by having a table?

KC: Yes of course, we must have a standard.

KC: We must correct all the numbers. This is what we discussed during this all-last meeting, if it comes out in documentation that Greenbook changed things and did nothing, it needs to be changed.

KC suggests a change to the chart in its entirety. 329 UM table 306-7.8.3.2

GN: if it wrong – it needs to be changed.

KC: has all the books - GN send the spreadsheet to JL

RY: is we are specifying things outside of the ASTM. No one can comply,

KC: before I was cut off, I was going to tell Jamie that I have all the reference material and I will send it to you, yes, I know we cannot deviate from ASTM standards, and I know we cannot deviate from ASTM

GN: Caltrans does not spell it out they want you to calculate it -

RY: the Cal trans standard says 5%, the ASTM has a table, there is a formula

GN: there are things IN Greenbook that are unique to Greenbook and not to anyone else in the country,

JP: To tie this all together, the one deviation is D3034 and the industry, the limit is 7% and we are looking at 5%. Something to look at if the green book wishes to re consider,

KC: new is 7.5% and old is 5%. GB has for new construction, 5%, long term is 7.5%, testing after 30 days of compaction, can not measure for deflection until after 30 days.

GN: ASHTO and CAL TRANS new construction 30 days after install, after this time, ASHTO allows for more deviation, and state 5%, lines in service they allow 7.5% at the discretion of the Engineer.

Bridge design – I can send this to you, we are working on STORM DRAIN – not SEWER.

KC: Standard for SDR 35 – which I think ASTM D3034 covers, new install, looking at the manufacturing of new pipe,

JP:/KC /RY: copy of the standards – ASTM 2321 and ASTM D3034

RY: I had asked a sponsoring agency to come to this meeting, and I wanted to know,

KC: I spoke to Ed Arrington to come to this meeting, and when he is here, we can re discuss this.

GN: RY your request to weigh in on mandrel and chart and whatever questions we want to ask of them.

KC: when I made my presentation to ED and COLA, this was all about the design of the mandrel and errant numbers on the chart, it was not at all about the pipe being installed,

JP: I think this is relevant and more than just editorial they create uniformity and not confusion – I think we need to look at the operating system of the green book committee, if the city is not using thermos plastic pipe in anything why are they making these changes,

KC: to be clear COLA did not suggest this change, I did.

GN: 332 UM reason for rejection of concrete box culverts

Moved to the Cloud and then moving it on to the next committee.

Next meeting is June 13th.

DF: thanks to those who were involved in the change of the Composite Ring and Covers –

GN: ductile iron appears to be moving forward – is this moving or is it on a hold?

DF: we met, and they seemed to understand it and we did not get any comments back – we assume it is moving forward and it should be passed on to the main committee for Thursday.