

***UNDERGROUND MATERIALS &
METHODS SUBCOMMITTEE
MARCH 18TH, 2025
MEETING MINUTES***



Greenbook 3/18/2025

11:05AM PDT

Terence Zhao - ADS

J Lienberger – Lienberger and Assoc

Rowena Patenaude – Westlake

Brooks Ryan – Unibell PVC Assoc

Chris Amphor - WL Plastic

Brett Fornelli - underground Solutions

Colin McCarter - LACPW

Mark Giljum - LACSD

Rob Huning – City of Los Angeles

Gean Na – Concrete Pipe Assoc

Hersy Enriquez – City of San Diego

Andy DeSilva – OCSD

Raffie Yeremian – Bali/AGC

David Wangerin - EJ

Meeting minutes – Jan/FEB posted

Motion JL/ Second CMc

Greenbook Main committee meeting – in person or online.

Change - approved by us, approved in Editorial and a formal rebuttal was submitted. This is in main committee.

284UM – Part 5

CMc – update – will review and go from there. Will do his own homework before assigning to the group.

332UM 216.7 PRCB ASSHTO R73

GN – R73 ASSHTO group wanted copy of R73, Gean is trying to see if he can get a copy of it to review. Showed us on the screen. 306.10, review 216 is the Materials Section. The reasoning for the wording in Part 3 was to refer people back to the Materials Section. A solution in the field could help solve a problem.

GN put this on a 30 day hold –

RY brought up the level bed – cannot always measure the 90% compaction.

This was addressed years ago- GN will create a new change and we will address it that way.

Firm and unyielding – language in 217 – bedding of pipe we used.

339UM HDPE Section 500 (5.4,5.7, (30 Day hold, needs correction)

Lining Vs Insertion – this is how it is referred to in ASTM standards – mirroring the verbiage in the Greenbook to ASTM Standards. ASTM 3350 is material composition, ASTM F714 is how it is made. 500-5.4.2 is clarifications, previous cell classes were outdated. This change is in keeping with updated standards and industry standards. Good discussion – need some tweaking -

Pushing limits, cutting and 207, 500-5.4.6

Still in progress.

349UM ASTM 3034 update Brooks Ryan Unibel

From Version 1 to version 2 – there was a note mentioning the merger of the ASTMs. It will be one standard going forward rather than two.

GN suggest 30 day hold JL makes motion/

350UM AWWA C600 and C605 – leakage allowance to make up water

BR: latest changes – changed verbiage to Hydrostatic Test Allowance. Discussion on Leakage allowance and testing of water tightness. ASTM F2164 No leakage allowance however there is an expansion allowance. Please look at 350UM.

Side Bar before next meeting, BR, CA, and GN. GN to BR – start the email thread and lets get into it.

Tracking List:

337UM Gasket (ED received in July 2024)

GN: know editorial received and yet do not know the status of this - fell thru the cracks and we need to grab it and make sure it gets reviewed by Editorial.

346UM Deflection mandrel (main committee)

Being discussed, it is NOT up for a vote – it is being discussed.

338UM HDPE Section 200 (editorial committee)

This is with Editorial - not sure if they have talked about it or not. WE will keep tracking it.

New Business:

ASTM updates: has been some activity, we need subcommittee

To change the ASTMs – house keeping corrections – changed in the spreadsheet. JL connect with GN for the spreadsheet.

343UM 207.3.1

344UM FRP

345UM FRP

306-10.4 level bed 90% firm and unyielding Review section 217

RY correct every where else but there -

APRIL 15 – 11AM