

UNDERGROUND MATERIALS AND METHODS SUBCOMMITTEE

July 18, 2023

11:00 a.m.

Via Microsoft Teams

1. Call meeting to order
 - a. 11:04am
2. Self-introduction
 - a. Jensen Lee – City of SD Public Utilities
 - b. Jamie Lienberger – Lienberger & Associates
 - c. Jacquie Jaques – Sekisui
 - d. Jacob Monroe – ADS
 - e. David Wangerin – EJ
 - f. Dave Badgley – Badgley & Associates / Performance Pipeline
 - g. Colin McCarter – LACPW
 - h. Brooks Ryan – Uni-Bell
 - i. Gean Na - ACPA
3. Meeting minutes: <http://www.greenbookspecs.org/minutes.asp>
 - a. Change date 2021 to 2023 edit. Motion by JL & 2nd by JJ
4. Announcements, Correspondence and Summary of GB meetings
 - a. [ASTM F17 Base ID report \(Research Report F17-1009\)](#)
5. Old Business
 - a. **284UM Part 5**
 - i. [Review draft dated 07.13.2023](#)
 - ii. [DB believes we already have it strike version already,](#)
 - iii. JL – responsible for section 7; GN will work top down and maintain proper format
 - iv. Format:
 1. New yellow, red strike & strike
 - b. **329UM Table 306-7.8.3.2 SDR 35 (Kent Carlson)**
 - i. Discuss technical briefing & reports.
 - ii. Average vs Base ID Discussion
 - iii. BR – Uni-Bell comments it should be based on ‘base id’. Industry currently makes their mandrels in accordance with base ID standard.
 - iv. BR has a report by Bob Walker in 1978 – 2008 Uni-Bell, “Multi Arm go no/go geometry & accuracy” to be circulated.
 - c. **330UM Mandrel (Kent Carlson)**
 - d. **331UM 11month Warranty footnote to Table 306-7.8.3.1 (Kent Carlson)**
 - e. **332 UM 216-7 Causes for Rejection of PRCB (216-7 (Gean Na)**
 - i. Revise language limiting to storm, not for sanitary sewer
 - ii. Motion to put on 30-day hold by JL, 2nd by CM/LCDPW
6. New Business

Circulate correspondence by via email due to access issues with Microsoft Teams.

Next Meeting: August 15th, 2023

0:18:53.330 --> 0:18:54.40

Gean Na

Alrighty.

0:18:54.90 --> 0:18:54.370

Gean Na

Alright.

0:18:54.380 --> 0:18:54.880

Gean Na

Hi everyone.

0:18:55.10 --> 0:18:55.880

Gean Na

This is Jean.

0:18:56.70 --> 0:19:7.900

Gean Na

This is the underground greenbook underground materials and METHODS SUBCOMMITTEE today, July 18th, 2023, calling this meeting to order at 11:04 AM. Uh.

0:19:7.910 --> 0:19:9.240

Gean Na

Thanks for making it everybody.

0:19:9.470 --> 0:19:12.380

Gean Na

I will do some self introductions.

0:19:12.450 --> 0:19:12.630

Gean Na

It's.

0:19:13.750 --> 0:19:15.600

Gean Na

Could we have somewhat of a smaller group today?

0:19:15.670 --> 0:19:16.720

Gean Na

Uh, which is OK.

0:19:16.770 --> 0:19:18.860

Gean Na

I will call out your name.

0:19:18.870 --> 0:19:24.900

Gean Na

Please respond with the name organization the start with the bottom today.

0:19:24.960 --> 0:19:26.560

Gean Na

Uh, give the Z's a chance.

0:19:26.570 --> 0:19:28.630

Gean Na

Chance uh Jensen Lee.

0:19:31.350 --> 0:19:32.960

Lee, Jensen

This this is Jensen. Lee.

0:19:32.970 --> 0:19:33.700

Lee, Jensen

Hi everyone.

0:19:33.910 --> 0:19:36.240

Lee, Jensen

With the city of San Diego and Public Utilities Department.

0:19:39.70 --> 0:19:40.350

Gean Na

You tell it to you.

0:19:41.440 --> 0:19:41.850

Gean Na

OK.

0:19:41.860 --> 0:19:42.430

Gean Na

Hi, Jensen.

0:19:43.400 --> 0:19:45.400

Gean Na

Coming up from the bottom, Jamie Lienberger.

0:19:46.820 --> 0:19:48.750

Jamie Lienberger

Jamie Lienberger Lienberger and associates.

0:19:56.30 --> 0:19:56.580

Gean Na

A Jackie.

0:20:0.60 --> 0:20:0.820

Jacque Jaques

Good morning.

0:20:0.830 --> 0:20:2.660

Jacque Jaques

How Jacque Jaques with sekisui.

0:20:4.820 --> 0:20:6.760

Gean Na

Ah, getting better at that.

0:20:7.910 --> 0:20:8.650

Jacque Jaques

Very good.

0:20:7.650 --> 0:20:8.830

Jamie Lienberger

Ohh jeans.

0:20:9.360 --> 0:20:11.480

Jamie Lienberger

Good job, Jean. Wow.

0:20:11.410 --> 0:20:12.150

Gean Na

Jacob Monroe.

0:20:13.750 --> 0:20:16.650

Jacob Monroe

Hey, good morning, Jane, Jacob Monroe with advanced drainage systems.

0:20:17.450 --> 0:20:20.630

Gean Na

They Jacob David landran.

0:20:23.690 --> 0:20:24.420

David Wangerin

Good morning, David.

0:20:24.430 --> 0:20:24.630

David Wangerin

Morning.

0:20:24.640 --> 0:20:25.270

David Wangerin

We're with EJ.

0:20:27.360 --> 0:20:27.940

Gean Na

Mr Badgley.

0:20:31.640 --> 0:20:35.990

Dave Badgley

Yeah, they badgley performance pipeline technologies and badgley and associates.

0:20:37.930 --> 0:20:40.930

Gean Na

Fireman's lifeline, yeah.

0:20:43.580 --> 0:20:45.480

Gean Na

Uh, Paul and Mccarter.

0:20:46.720 --> 0:20:49.120

Colin McCarter

Orange in Colin Mccarter, LA County public works.

0:20:51.90 --> 0:20:53.50

Gean Na

W Brooks Ryan.

0:20:55.980 --> 0:20:57.290

Brooks Ryan

Uh, good morning, Brooks.

0:20:57.300 --> 0:20:59.180

Brooks Ryan

Ryan Unibell PVC pipe association.

0:20:59.740 --> 0:21:0.570

Gean Na

You know about?

0:21:0.880 --> 0:21:1.350

Gean Na

OK.

0:21:1.360 --> 0:21:4.740

Gean Na

And then there's of course into PA.

0:21:4.750 --> 0:21:7.420

Gean Na

Ohh OK yeah, smaller group we usually have.

0:21:7.430 --> 0:21:9.50

Gean Na

I don't know close to 14 or so.

0:21:9.670 --> 0:21:19.280

Gean Na

We'll see if some people come in E agencies we have Jensen and Colin, 22 folks, San Diego and LA counties here today.

0:21:19.930 --> 0:21:22.900

Gean Na

OK, meeting minutes.

0:21:22.910 --> 0:21:29.60

Gean Na

I did see Vincent with be and I post the meeting minutes assisted by Jamie.

0:21:29.70 --> 0:21:31.300

Gean Na

Let me share this with you guys.

0:21:33.510 --> 0:21:34.930

Gean Na

Meeting minutes 20 minutes.

0:21:34.940 --> 0:21:35.320

Gean Na

Where are you?

0:21:40.150 --> 0:21:40.670

Gean Na

Uh.

0:21:42.880 --> 0:21:43.370

Gean Na

Let's do this.

0:21:47.100 --> 0:21:48.440

Gean Na

OK. Interesting.

0:21:51.220 --> 0:21:55.210

Gean Na

Jamie, just looking at this date, I wish it was 2021.

0:21:55.660 --> 0:21:56.670

Gean Na

Actually I I don't.

0:21:56.680 --> 0:22:0.400

Gean Na

It was a wild time, but I do see this.

0:21:57.770 --> 0:22:2.10

Jamie Lienberger

Ohh, it's just it's just hard. Yes.

0:22:2.20 --> 0:22:2.680

Jamie Lienberger

Yeah, I do.

0:22:3.750 --> 0:22:4.60

Gean Na

Uh.

0:22:9.480 --> 0:22:11.200

Gean Na

Does anyone have any comments?

0:22:11.300 --> 0:22:12.850

Gean Na

Uh to the mini minutes?

0:22:13.200 --> 0:22:16.770

Gean Na

I don't believe we voted on anything last week.

0:22:17.160 --> 0:22:18.160

Gean Na

Tons of discussion.

0:22:19.360 --> 0:22:21.610

Gean Na

Uh, but I don't think we moved anything.

0:22:22.120 --> 0:22:27.620

Gean Na

Does anyone have any comments to last month's meeting minutes other than the date that I saw on top?

0:22:31.60 --> 0:22:32.460

Jacque Jaques

Now don't have anything here, gean.

0:22:32.470 --> 0:22:32.920

Jacque Jaques

Thank you.

0:22:34.660 --> 0:22:38.620

Gean Na

OK, let me just do something real quick guys.

0:22:58.50 --> 0:22:59.101

Gean Na

OK, where am I?

0:23:5.50 --> 0:23:7.580

Jamie Lienberger

I can just pull it down and correct it and resend it to Vin.

0:23:7.590 --> 0:23:8.520

Jamie Lienberger

That's fine, I can do that.

0:23:9.100 --> 0:23:9.610

Gean Na

Yeah.

0:23:10.960 --> 0:23:11.900

Jamie Lienberger

Yeah, I'll do that.

0:23:9.620 --> 0:23:12.700

Gean Na

If it's just that, I think we will just make that red line.

0:23:13.530 --> 0:23:13.970

Jamie Lienberger

OK.

0:23:13.980 --> 0:23:14.680

Jamie Lienberger

Yeah, I'll do that.

0:23:14.690 --> 0:23:15.90

Jamie Lienberger

No problem.

0:23:16.440 --> 0:23:16.950

Gean Na

OK.

0:23:17.140 --> 0:23:17.910

Gean Na

Is there a motion to?

0:23:19.490 --> 0:23:21.660

Gean Na

Approve the Minutes as edited.

0:23:25.560 --> 0:23:26.360

Jamie Lienberger
I'll make a motion.

0:23:27.660 --> 0:23:28.460

Jacque Jaques
And I will second.

0:23:33.40 --> 0:23:40.730

Gean Na
JJ, JL and JJ, lots of Jays, if you look at the names, the first four names are all Jays and then a lot of D's.

0:23:41.550 --> 0:23:43.840

Gean Na
OK, just keeping it out with you guys.

0:23:43.850 --> 0:23:46.140

Gean Na
Thank you, Jamie and Jackie.

0:23:46.350 --> 0:23:49.810

Gean Na
And then Jamie, just go ahead and modify that date, please.

0:23:50.360 --> 0:23:51.100

Jamie Lienberger
Yep, you got it.

0:23:50.820 --> 0:23:51.110

Gean Na
Uh.

0:23:51.120 --> 0:23:59.870

Gean Na
And then Jamie, if we could talk after this, I I just wanted to explore Microsoft Teams recording feature.

0:24:6.120 --> 0:24:6.340

Jamie Lienberger
OK.

0:24:0.340 --> 0:24:10.170

Gean Na
I think I think we could use it to our advantage and make the mini minutes really easy for us, but uh, I know I have the meetings recorded and I know it.

0:24:10.220 --> 0:24:16.880

Gean Na
It can automatically populate text based on, um people just talking through it.

0:24:17.330 --> 0:24:19.820

Gean Na

I think I think that would be sufficient.

0:24:22.640 --> 0:24:22.960

Jamie Lienberger

OK.

0:24:20.510 --> 0:24:25.850

Gean Na

So I just wanna explore it with you and you know, let the robot work for us.

0:24:27.230 --> 0:24:29.600

Gean Na

Uh, OK, OK.

0:24:29.610 --> 0:24:35.640

Gean Na

Moving on to meeting minutes, moving on to item number 4 announcements correspondence summary of GREENBOOK meetings.

0:24:36.780 --> 0:24:43.950

Gean Na

Umm, I did get a correspondence from Kent from the Clay Pipe Institute.

0:24:44.510 --> 0:24:50.500

Gean Na

He shared an ASTM F-17 base ID report #1009.

0:24:51.310 --> 0:24:56.280

Gean Na

I believe this document is from the let me see.

0:24:56.530 --> 0:24:59.620

Gean Na

It's from the 80s, literally March 31st, 1980.

0:25:1.20 --> 0:25:4.90

Gean Na

I I want to show it with you guys.

0:25:4.100 --> 0:25:6.430

Gean Na

I don't think we're gonna review the entire document.

0:25:7.710 --> 0:25:15.460

Gean Na

Uh, but I just wanted to show you guys that this was circulated to me based on our discussion last month, uh.

0:25:15.470 --> 0:25:25.800

Gean Na

Related to a change coming from Kent, which is change 329, which has to do with average uh interior ID versus base ID.

0:25:27.310 --> 0:25:31.80

Gean Na

I did speak to Kent, a real briefly before this meeting.

0:25:31.430 --> 0:25:40.760

Gean Na

He's unable to attend today and ask that if there's no motion to put this on hold, he just wants to postpone discussions to next months meeting.

0:25:41.890 --> 0:25:44.150

Gean Na

But we could obviously have our discussion today if you like.

0:25:45.400 --> 0:25:45.880

Gean Na

Umm.

0:25:45.960 --> 0:25:47.300

Gean Na

So just wanted to circulate this.

0:25:47.310 --> 0:25:55.360

Gean Na

We'll talk about this later in old business, item B for 329 and that this is a 34 page document.

0:25:55.370 --> 0:25:56.840

Gean Na

They didn't back from 1980.

0:25:58.10 --> 0:26:1.940

Gean Na

A lot of a lot of noise, not noise, but a lot of nuance there.

0:26:3.300 --> 0:26:9.610

Gean Na

Umm, I did also send the a link to download the document.

0:26:9.700 --> 0:26:11.980

Gean Na

Were you guys able to access that file?

0:26:15.270 --> 0:26:18.240

Jacque Jaques

I was having problems accessing any documents.

0:26:18.550 --> 0:26:18.780

Gean Na

Umm.

0:26:18.310 --> 0:26:24.720

Jacque Jaques

Uh, it could be on our end with our firewalls, but I wasn't able to get any of the documents for today from the links.

0:26:25.580 --> 0:26:27.730

Gean Na

OK, call in.

0:26:27.740 --> 0:26:33.330

Gean Na

If I can pick on you real quick, could do you mind clicking on any of these links?

0:26:33.580 --> 0:26:47.450

Gean Na

Either the F-17 or the draft for 284, I just wanna see if you're able to access these things and if you're can't, then I'm gonna have to go away with trying to share things through Microsoft Teams.

0:26:47.460 --> 0:26:48.720

Gean Na

If we have access issues.

0:26:50.220 --> 0:26:50.550

Colin McCarter

Sure.

0:26:50.560 --> 0:26:51.950

Colin McCarter

Let me give us a quick whirl.

0:26:52.740 --> 0:26:53.680

Gean Na

OK. Thanks.

0:26:58.140 --> 0:27:2.260

Gean Na

I love technology when it works and then when it does it not reliable.

0:27:5.410 --> 0:27:5.600

Gean Na

I.

0:27:3.440 --> 0:27:6.140

Jacque Jaques

Or if the user knows what they're doing, that always helps too.

0:27:9.200 --> 0:27:10.650

Gean Na

Yeah, it's supposed to be easy.

0:27:10.780 --> 0:27:18.110

Gean Na

You guys are all members of the subcommittee in the Microsoft Teams, so you should be able to access it now.

0:27:18.120 --> 0:27:25.250

Gean Na

Of course, like you mentioned, Jack, if you have a firewall that doesn't allow you to access other Microsoft Teams, and that makes sense.

0:27:25.260 --> 0:27:28.600

Gean Na

But you know, everyone needs to be able to access this.

0:27:26.40 --> 0:27:32.860

Jacque Jaques

Yeah, we have corporate Secretary America Corporation is standardizing the entire US with all 13 companies.

0:27:33.650 --> 0:27:33.940

Gean Na

Hmm.

0:27:32.870 --> 0:27:34.860

Jacque Jaques

So it's gotten really difficult.

0:27:35.150 --> 0:27:40.10

Jacque Jaques

Sometimes sharing documents or downloading documents outside the company.

0:27:41.950 --> 0:27:42.150

Gean Na

Yeah.

0:27:43.860 --> 0:27:44.70

Gean Na

Yeah.

0:27:44.80 --> 0:27:53.180

Gean Na

I just want to make sure everyone can access these documents and you know, have ability to get to it but will give Colin a second before we get down to business.

0:27:53.10 --> 0:27:58.200

Colin McCarter

Yes, E yeah, it looks like it's going it.

0:27:58.320 --> 0:27:58.610

Gean Na

Uh.

0:27:58.210 --> 0:28:2.320

Colin McCarter

It makes me sign out of my county.

0:28:2.690 --> 0:28:8.900

Colin McCarter

Teams you know when it switches over to the be an I-1, but it looks like it's opening the file, syncing about it anyway.

0:28:9.680 --> 0:28:14.280

Gean Na

OK, so you have to use a BNI I user ID to get in there.

0:28:17.10 --> 0:28:17.600

Gean Na

Uh.

0:28:22.90 --> 0:28:22.460

Gean Na

I see.

0:28:15.200 --> 0:28:22.750

Colin McCarter

I don't have to relog in, but I switch to a BNI new building news as a guest account I have.

0:28:22.760 --> 0:28:25.500

Colin McCarter

I have three or four that I kind of have to flop around between.

0:28:26.120 --> 0:28:26.360

Gean Na

Umm.

0:28:28.580 --> 0:28:30.110

Gean Na

Well, let me ask you guys here.

0:28:30.300 --> 0:28:31.100

Gean Na

I know.

0:28:31.110 --> 0:28:32.110

Gean Na

Uh, not everyone.

0:28:32.120 --> 0:28:35.90

Gean Na

That's usually at our meetings here, but would you guys rather?

0:28:36.520 --> 0:28:39.690

Gean Na

Documents be circulated by email.

0:28:39.700 --> 0:28:42.470

Gean Na

Or do you guys want to keep it in Microsoft Teams?

0:28:43.340 --> 0:28:46.640

Gean Na

I'm getting a sense of what you guys are gonna say, but what do you guys suggest?

0:28:50.540 --> 0:28:56.710

Jacque Jaques

I think teams would be easier because I I mentioned that Jamie when I try to log in. It was the error code.

0:28:56.720 --> 0:29:3.580

Jacque Jaques

I got either on my laptop or on my iPhone was I I was not authorized to access the files.

0:29:6.170 --> 0:29:7.60

Gean Na

Wait, so you?

0:29:6.130 --> 0:29:7.550

Jacque Jaques

So we could do it on teams.

0:29:7.560 --> 0:29:8.460

Jacque Jaques

That would be awesome.

0:29:9.220 --> 0:29:13.160

Gean Na

No, Jackie, these documents are in teams which you can't access.

0:29:13.970 --> 0:29:14.410

Jacque Jaques

All right.

0:29:13.250 --> 0:29:19.230

Gean Na

It's so I I'm I I just wanna make sure it's easily accessible.

0:29:19.240 --> 0:29:27.570

Gean Na

I I'm I'm right now, I'm leaning towards just going kind of the traditional route and circulating out by email. Uh.

0:29:25.380 --> 0:29:27.840

Jamie Lienberger

Just just email.

0:29:27.850 --> 0:29:30.400

Jamie Lienberger

I I think Gene, that's the best way to do it.

0:29:30.410 --> 0:29:33.160

Jamie Lienberger

Just that way, people can read it.

0:29:33.170 --> 0:29:36.690

Jamie Lienberger

I mean, you can if you want to send it out and protect it.

0:29:36.700 --> 0:29:39.910

Jamie Lienberger

You can do that, but people need to be able to read it.

0:29:38.830 --> 0:29:41.880

Gean Na

Umm yeah, exactly.

0:29:49.780 --> 0:29:53.880

Jamie Lienberger

And we people check their email then they're like, ohh, here's the here's the stuff.

0:29:53.890 --> 0:29:54.900

Jamie Lienberger

I'm ready for the meeting.

0:29:54.910 --> 0:29:55.840

Jamie Lienberger

Blah blah blah.

0:29:56.330 --> 0:29:56.560

Gean Na

Yeah.

0:29:55.970 --> 0:29:57.900

Jamie Lienberger

Not everybody logs on to teams.

0:29:57.910 --> 0:30:3.460

Jamie Lienberger

Not everybody spends as much time on teams as some of us do, not mentioning names.

0:30:5.530 --> 0:30:6.60

Gean Na

OK.

0:30:6.370 --> 0:30:7.300

Gean Na

Yeah, that's fine.

0:30:8.90 --> 0:30:9.560

Gean Na

At least that way, there's a record of it too.

0:30:9.570 --> 0:30:10.40

Gean Na

That way.

0:30:10.200 --> 0:30:10.800

Gean Na

That's good.

0:30:11.170 --> 0:30:11.620

Gean Na

I'll.

0:30:11.630 --> 0:30:24.10

Gean Na

I'll still house things in Microsoft Teams that way, after we all win the lottery and we all move on, the documents are still available in a cloud server, but I'll just circulate things via email.

0:30:26.790 --> 0:30:28.520

Gean Na

OK, not a problem there.

0:30:28.760 --> 0:30:29.290

Gean Na

Umm.

0:30:29.970 --> 0:30:34.500

Gean Na

Does anyone have any comments to this report right now?

0:30:38.240 --> 0:30:46.610

Gean Na

OK, moving down to old business, change 284, part 5, this is our our our favorite change.

0:30:46.660 --> 0:30:49.480

Gean Na

Everyone I spoke to Jamie a bit.

0:30:51.30 --> 0:31:1.850

Gean Na

In the past couple of weeks or so, and I, Jamie, I know this is something you've been working on a long with Jackie and David and Colin, I know you've been involved as well.

0:31:1.860 --> 0:31:15.880

Gean Na

So thank you guys and I did see the latest revision from from Jamie and this was something I wanted to circulate directly via email to make sure that that's there's a lot of agencies to to put their eyes on it.

0:31:17.250 --> 0:31:24.700

Gean Na

However, when I looked at it, I didn't feel that it was formatted correctly and I found it a little cumbersome to review.

0:31:24.710 --> 0:31:33.400

Gean Na

So I I think it's best that we get it into quote unquote print ready before it's, you know, officially circulated.

0:31:34.480 --> 0:31:39.270

Gean Na

Uh, but I do wanna look at it together with you guys so that you guys could at least get a glance at it here today.

0:31:40.310 --> 0:31:42.230

Gean Na

So I'm gonna put it up on the screen right now.

0:31:42.960 --> 0:31:47.330

Gean Na

Jamie, is there anything you wanted to share about this or how things have been going?

0:31:48.420 --> 0:31:51.840

Jamie Lienberger

Uh, well, we've got.

0:31:52.480 --> 0:31:56.680

Jamie Lienberger

The numbering sometimes turns out to be cumbersome.

0:31:57.460 --> 0:31:59.600

Jamie Lienberger

Umm, but we've worked on the numbering.

0:32:1.140 --> 0:32:9.200

Jamie Lienberger

We've got the sections that were in the previous issue of the Green Book are like they were.

0:32:9.210 --> 0:32:13.150

Jamie Lienberger

So they're in the current this draft that we're working on.

0:32:17.120 --> 0:32:23.210

Jamie Lienberger

I think we've done just about all of the wordsmithing that we can do.

0:32:24.740 --> 0:32:26.980

Jamie Lienberger

Um, I think there were just a couple.

0:32:28.360 --> 0:32:49.450

Jamie Lienberger

There's just one or two places where we've got a just got a placeholder with an X for a section number, um, and everybody else has come back with other questions that we had versus, you know, there was some under the chemical root treatment drain treatment.

0:32:49.460 --> 0:32:56.280

Jamie Lienberger

There were some questions cause of the verbiage, but I think I think we're good.

0:32:56.290 --> 0:32:59.920

Jamie Lienberger

The buoyancy calculation thing that came back so that was fine.

0:33:0.760 --> 0:33:9.70

Jamie Lienberger

Um, I think we're good on everything else, but yes, the formatting.

0:33:9.710 --> 0:33:22.460

Jamie Lienberger

Just how it was brought from Word document to Word document to Word document is a little treacherous and I've had a couple computer gurus going over it trying to help me fix it.

0:33:23.10 --> 0:33:25.550

Jamie Lienberger

Umm, because it's just a little crazy.

0:33:28.200 --> 0:33:31.490

Jamie Lienberger

But um, it's I think we're.

0:33:31.860 --> 0:33:33.160

Jamie Lienberger

I think it's coming along.

0:33:36.700 --> 0:33:40.370

Gean Na

And I'm just kind of thinking out loud here, guys, for one.

0:33:40.380 --> 0:33:49.840

Gean Na

It it needs to have the proper highlights and strikeouts for any edits, and I understand this is primarily a reorganization.

0:33:50.840 --> 0:33:57.890

Gean Na

Uh, but if there were any changes, they need to be, you know, highlighted and and and because there's so many.

0:33:58.180 --> 0:34:3.240

Gean Na

There's so much so 38 page document, it's like finding a needle in a haystack.

0:34:4.220 --> 0:34:4.670

Gean Na

Uh.

0:34:4.860 --> 0:34:14.30

Gean Na

And again, just just like this for example, you know this isn't something that I would send to editorial and say go, go take a look at it and be done with it.

0:34:14.280 --> 0:34:19.210

Gean Na

They would probably just kick it right back to us, right? So.

0:34:24.90 --> 0:34:24.700

Gean Na

I I don't know.

0:34:24.710 --> 0:34:36.200

Gean Na

I I I would say we need to have any of the changes highlighted and and we may have to go page by page or section by section to do that and and then also correct the formatting.

0:34:36.690 --> 0:34:48.350

Gean Na

I've also asked be and I if they have some sort of editing tool or something built within word that can automatically format every format, everything easily.

0:34:49.340 --> 0:34:54.360

Gean Na

If not ohm we or someone is just gonna have to do this manually.

0:34:54.800 --> 0:35:0.300

Gean Na

You know line by line and and and fix all the lines and the indentations and and whatnot.

0:35:0.810 --> 0:35:5.370

Gean Na

But I think more importantly than the formatting is identifying anything that changed.

0:35:6.560 --> 0:35:12.220

Gean Na

Reorganization is one thing, but anything that change needs to be highlighted of.

0:35:12.10 --> 0:35:22.260

Jacque Jaques

Well, I'll gene, maybe each of the manufacturers can go into their individual sections and make those highlights and that's a minute back to Jamie on.

0:35:22.270 --> 0:35:24.380

Jacque Jaques

So she can have all those updates.

0:35:24.390 --> 0:35:25.810

Jacque Jaques

I'd be glad to do our section.

0:35:30.990 --> 0:35:34.90

Gean Na

Yeah, I'm a little bit worried on time with that, Jackie.

0:35:34.500 --> 0:35:34.820

Jacque Jaques

OK.

0:35:41.830 --> 0:35:42.90

Jacque Jaques

Umm.

0:35:34.480 --> 0:35:43.710

Gean Na

And you know, we would do wanna wrap this up this year and if we were to send this out to let's, you know, the community it we we're not gonna get it back in time.

0:35:44.360 --> 0:35:44.970

Jacque Jaques

OK.

0:35:45.260 --> 0:35:46.720

Gean Na

I've I feel like the.

0:35:45.580 --> 0:35:47.470

Jacque Jaques

Well, what would you like to do?

0:35:47.480 --> 0:35:49.850

Jacque Jaques

You wanna just assign everybody who's here today?

0:35:49.860 --> 0:36:1.440

Jacque Jaques

Maybe one or two sections to compare against the 2021 Green Book and that we can get back to you and highlight that and make a commitment to give it back to you within X days or so.

0:36:2.230 --> 0:36:5.960

Gean Na

Yeah, I I I I do agree with that approach.

0:36:4.70 --> 0:36:7.930

Dave Badgley

Jane, Gene, this is day.

0:36:6.10 --> 0:36:9.750

Gean Na

And just to look at it from a comparison perspective, go ahead, Dave.

0:36:29.10 --> 0:36:29.220

Gean Na

Umm.

0:36:10.930 --> 0:36:37.910

Dave Badgley

Yeah, we we did each of these things when we first did this, we did a separate sheet for every one of them where it said what the the what was in there before, what we changed and those were highlighted and and underlined and stroking, stroking, stricken through and then on this version we took all that stuff and then put the clean part into this section or combined it.

0:36:37.920 --> 0:36:59.280

Dave Badgley

But I think we've got all the separate sections and I can look back through my stuff when I you'll be back home this weekend and I'll make sure that all those are in the in the the separate chapters that we've got in the that's in the on the the teams meeting thing for all our files.

0:37:0.940 --> 0:37:1.190

Gean Na

Umm.

0:37:1.130 --> 0:37:21.970

Jacque Jaques

Hey, Jean, just for clarification, since this has been a a long standing change, the intent of this was a reorganization of Section 500 with the updated numbering not necessarily adding all kinds of new information to the sections, only things that needed to be updated as appropriate as that.

0:37:22.230 --> 0:37:23.990

Jacque Jaques

The understanding of this change.

0:37:24.520 --> 0:37:26.810

Gean Na

Yeah, I I think you hit that one on the head there.

0:37:27.440 --> 0:37:31.110

Jacque Jaques

Alright, I'll be more than happy to take on our section here.

0:37:31.120 --> 0:37:36.210

Jacque Jaques

I I reviewed it with Jamie recently and I can certainly highlight our section.

0:37:36.220 --> 0:37:40.950

Jacque Jaques

Get it back ASAP and if there's anything else I can help with, I'd be more than happy to do that.

0:37:41.710 --> 0:37:43.700

Gean Na

Hmm, OK.

0:37:46.500 --> 0:37:49.470

Gean Na

I I I I know you guys have been working together remotely.

0:37:50.440 --> 0:37:53.310

Gean Na

I almost feel like there needs to be a top down.

0:37:53.360 --> 0:37:55.330

Gean Na

Look at this and.

0:37:59.50 --> 0:37:59.960

Gean Na

Let me try this.

0:38:13.390 --> 0:38:13.710

Jamie Lienberger

OK.

0:38:16.50 --> 0:38:16.270

Jamie Lienberger

OK.

0:38:2.580 --> 0:38:22.60

Gean Na

Jamie, if you could take care of Section 7, which is the the, the, the, really the meat potatoes of this change you know which is the rehab systems if if you could focus on that and just show.

0:38:28.160 --> 0:38:28.480

Jamie Lienberger

OK.

0:38:23.120 --> 0:38:35.490

Gean Na

Um, any other changes any of that that the text changes, numbers, changes, changes in highlighted, and then anything that's deleted just struck out and then in red.

0:38:35.630 --> 0:38:38.630

Gean Na

So for example, let's say this was added.

0:38:38.700 --> 0:38:39.750

Gean Na

You guys could see this, right?

0:38:40.340 --> 0:38:40.580

Jamie Lienberger

Yep.

0:38:41.350 --> 0:38:48.720

Gean Na

They're going to add the word flows and delete shall strike it out and then highlight it in red, right?

0:38:48.890 --> 0:38:49.310

Jamie Lienberger

Gotcha.

0:38:48.730 --> 0:38:50.580

Gean Na

That's the format that I wanna do it in.

0:38:51.430 --> 0:38:51.750

Jamie Lienberger

OK.

0:38:51.230 --> 0:39:0.660

Gean Na

If it's reorganized, it's pretty self explanatory that we just shuffle things around, but this is what I think we wanna show it in.

0:39:1.80 --> 0:39:3.950

Gean Na

And what I'm gonna do on my end?

0:39:3.960 --> 0:39:10.500

Gean Na

Just take a, a, a, a, a brand new clean version of this and then just start from the top.

0:39:11.430 --> 0:39:11.710

Jamie Lienberger

OK.

0:39:10.990 --> 0:39:12.220

Gean Na

Does work my way down?

0:39:12.470 --> 0:39:14.480

Gean Na

So I'm gonna start from the top.

0:39:14.850 --> 0:39:28.240

Gean Na

Make sure everything is in its original format and then I'm gonna take um, take your changes in here from Section 7 and and Section 7 almost will be at standalone.

0:39:28.300 --> 0:39:30.140

Gean Na

All the technical stuff you you follow.

0:39:30.890 --> 0:39:31.550

Jamie Lienberger

Yep, OK.

0:39:32.560 --> 0:39:41.220

Gean Na

But because there is so much copy and paste tables copied, things happened, you know, and it just it's a mess and like this.

0:39:42.510 --> 0:39:43.600

Gean Na

Uh, you know you don't.

0:39:43.610 --> 0:39:44.610

Gean Na

I'm getting out with this.

0:39:44.960 --> 0:39:46.250

Jamie Lienberger

Yep, Yep, I got you.

0:39:44.620 --> 0:39:47.960

Gean Na

It's just needs to be cleaner and you can see all this for example like.

0:39:49.200 --> 0:39:49.360

Jamie Lienberger

Yeah.

0:39:48.820 --> 0:39:49.860

Gean Na

This isn't right.

0:39:50.40 --> 0:39:53.470

Gean Na

So just random things like this.

0:39:53.620 --> 0:39:54.300

Gean Na

You know what I mean?

0:39:54.850 --> 0:39:55.610

Jamie Lienberger

Yep. Gotcha.

0:39:55.600 --> 0:39:57.160

Gean Na

But just need it to be clean.

0:40:0.190 --> 0:40:1.820

Gean Na

Uh, it's yeah, go ahead.

0:40:0.350 --> 0:40:1.880

Jacque Jaques

Gene one.

0:40:1.890 --> 0:40:3.280

Jacque Jaques

Sorry, no, I just wanna.

0:40:3.290 --> 0:40:5.960

Jacque Jaques

What is the drop dead date that we have to work with on this?

0:40:8.200 --> 0:40:8.740

Gean Na

Um.

0:40:12.320 --> 0:40:13.600

Gean Na

Each year two years ago.

0:40:13.800 --> 0:40:13.980

Dave Badgley

Yeah.

0:40:14.810 --> 0:40:15.680

Jacque Jaques

OK.

0:40:15.940 --> 0:40:17.340

Gean Na

Um what?

0:40:16.110 --> 0:40:17.780

Jacque Jaques

Uh, it's looking forward here.

0:40:17.790 --> 0:40:18.720

Jacque Jaques

Do we have to, uh?

0:40:18.730 --> 0:40:23.290

Jacque Jaques

When is the next meeting that they expect to see our draft here one?

0:40:23.300 --> 0:40:24.350

Jacque Jaques

Are they expecting it?

0:40:25.370 --> 0:40:32.340

Gean Na

OK, so here let me let me just right on this actually.

0:40:32.350 --> 0:40:37.50

Gean Na

Let me go back to my other document here.

0:40:37.440 --> 0:40:37.820

Jacque Jaques

OK.

0:40:41.600 --> 0:40:41.820

Gean Na

But.

0:40:45.740 --> 0:40:46.150

Gean Na

OK.

0:40:46.160 --> 0:40:52.610

Gean Na

So today's July, August, September, October, amber.

0:40:55.480 --> 0:41:1.630

Gean Na

Uh, so we've had this conversation at the main committee about when is our deadline for changes for the next edition?

0:41:1.700 --> 0:41:3.880

Gean Na

And the usually it's November.

0:41:4.600 --> 0:41:9.130

Gean Na

Uh, I've heard an in Bill baloney said something crazy and he said September.

0:41:9.200 --> 0:41:10.870

Gean Na

Yeah, he did say that.

0:41:11.120 --> 0:41:17.410

Gean Na

I'm gonna ignore him because I know in reality he's just pushing us to get things done, but we do.

0:41:17.420 --> 0:41:32.430

Gean Na

We do wanna get it done in that timeframe September, October is when we wanna be completely done and we're giving BNI November, December, January to just do final final edits now at the greenbook level, we're here today, right.

0:41:33.980 --> 0:41:38.890

Gean Na

It would take our underground subcommittee 2 months to get this done at minimum.

0:41:39.10 --> 0:41:40.320

Gean Na

So let's say we're at you.

0:41:40.330 --> 0:41:44.330

Gean Na

I UM today right?

0:41:44.680 --> 0:41:48.300

Gean Na

And maybe in August we put it on a an official 30 day hold.

0:41:50.360 --> 0:41:50.600

Gean Na

Right.

0:41:50.610 --> 0:41:51.800

Gean Na

And we approve it here.

0:41:54.410 --> 0:42:1.270

Gean Na

Right then it would go to editorial for at least a month or two.

0:42:1.520 --> 0:42:6.100

Gean Na

So you can already see the the time issue that we have.

0:42:8.880 --> 0:42:9.100

Gean Na

Right.

0:42:8.440 --> 0:42:16.730

Jacque Jaques

I this might be a silly question, but does being, uh, does Bill Mahoney know that the numbering system is completely changing in section 500?

0:42:19.230 --> 0:42:19.730

Jacque Jaques

OK.

0:42:17.590 --> 0:42:20.670

Gean Na

Yeah, they're aware, right?

0:42:20.680 --> 0:42:31.260

Gean Na

But this is, I hate to say this, but this is exactly where we were in 2020, you know, granted, things improved, but this is exactly where we were in 2020.

0:42:31.330 --> 0:42:34.320

Gean Na

And we try to jam it and get it done.

0:42:34.330 --> 0:42:41.840

Gean Na

But we realized it just wasn't ready, so I I I would say this regardless of where we are in the calendar year.

0:42:41.850 --> 0:42:49.350

Gean Na

I think this group should push to get this done as fast as possible and and just put it behind us.

0:42:49.880 --> 0:42:56.420

Gean Na

Umm, so uh, going back to what we said earlier about gonna collecting the changes and stuff.

0:42:56.820 --> 0:42:57.540

Gean Na

Jamie.

0:42:57.550 --> 0:43:3.360

Gean Na

Jackie, David and hopefully you two call in Umm I I do wanna commit to.

0:43:5.530 --> 0:43:7.680

Gean Na

Getting this clean version.

0:43:7.830 --> 0:43:10.680

Gean Na

What the striked out version by the end of this month?

0:43:12.720 --> 0:43:23.240

Gean Na

Uh, let's call it the 28th, and then we'll pick back up and have another working meeting at the beginning of August and almost have to meet on this thing every two weeks.

0:43:24.260 --> 0:43:31.150

Gean Na

Umm, I don't think it's gonna get done if we maintain what we've been doing the past three, six months or even a year.

0:43:32.670 --> 0:43:36.680

Gean Na

I think it's just gonna be a very continual working meeting to get this one done.

0:43:37.660 --> 0:43:40.590

Gean Na

Umm, so that's my opinion folks.

0:43:40.600 --> 0:43:41.480

Gean Na

If you guys want to weigh in.

0:43:43.230 --> 0:43:50.40

Gean Na

Um, welcome your thoughts, but it's not in a it's not ready and and I wouldn't.

0:43:50.170 --> 0:43:53.210

Gean Na

I wouldn't recommend this be put on it through the whole by any means.

0:43:56.500 --> 0:43:56.910

Gean Na

Umm.

0:43:57.120 --> 0:44:6.10

Gean Na

Jamie, if you could focus on Section 7, working with other participants, I'll work top down and just get in the proper format.

0:44:7.640 --> 0:44:7.920

Jamie Lienberger

OK.

0:44:9.390 --> 0:44:21.0

Gean Na

If you could get me this by the end of next week, please and then that way at the beginning of August, I can circulate it with, you know, the task group, so to speak, and see how it looks like.

0:44:21.630 --> 0:44:25.70

Gean Na

And yeah, let's go from there.

0:44:25.240 --> 0:44:26.910

Gean Na

I just think we need to keep pushing on it.

0:44:27.580 --> 0:44:28.960

Gean Na

As painful as this is.

0:44:31.970 --> 0:44:32.290

Jamie Lienberger

All right.

0:44:32.210 --> 0:44:33.320

Gean Na

Uh, David.

0:44:33.330 --> 0:44:34.360

Gean Na

Any other thoughts from you?

0:44:34.370 --> 0:44:38.750

Gean Na

I know you put a lot of time into this over the years and your thoughts or recommendations.

0:44:39.520 --> 0:44:39.890

Dave Badgley

Yeah.

0:44:39.900 --> 0:44:52.0

Dave Badgley

I think with working every two weeks, I think we may have what you're asking for in the already done because that's how we did it initially and then we were converting it to this format.

0:44:52.200 --> 0:44:54.550

Dave Badgley

So we, yeah, I we may already have it.

0:44:54.560 --> 0:45:1.260

Dave Badgley

I'll have to sit down and look at it all again, but we may already have it on teams because I think we we move.

0:45:6.490 --> 0:45:8.500

Gean Na

David, are you still there or did that is my connection?

0:45:11.170 --> 0:45:11.960

Colin McCarter

I think we lost him.

0:45:12.800 --> 0:45:13.260

Gean Na

OK.

0:45:12.990 --> 0:45:13.330

Jamie Lienberger

2nd.

0:45:13.270 --> 0:45:13.750

Gean Na

Thanks Colin.

0:45:16.700 --> 0:45:21.250

Jacque Jaques

Jamie, do you want to, like, assign certain sections to each of us?

0:45:21.480 --> 0:45:28.590

Jacque Jaques

I could take on other sections as well if you want it send me whatever draft you want us to work from.

0:45:28.820 --> 0:45:35.400

Jacque Jaques

I've got all the green books, so I can certainly do the highlighting as gene just requested and certainly help out here.

0:45:36.390 --> 0:45:37.480

Jamie Lienberger

Yeah, absolutely.

0:45:37.490 --> 0:45:38.400

Jamie Lienberger

We need to.

0:45:38.690 --> 0:45:40.440

Jamie Lienberger

Yeah, divvy it up.

0:45:40.490 --> 0:45:43.280

Jamie Lienberger

I I don't want anybody overloaded with any.

0:45:43.320 --> 0:45:47.660

Jamie Lienberger

You know, I don't want just three people, you know, divvied up or whatever.

0:45:52.250 --> 0:45:52.470

Jacque Jaques

Umm.

0:45:47.670 --> 0:45:55.620

Jamie Lienberger

But yeah, people need to grab a section or two, whatever they can handle in the time frame and commit to it and get it done.

0:45:55.690 --> 0:46:4.570

Jamie Lienberger

And certainly if you if if people aren't able to get it done, you know, speak up and say, hey, I'm struggling or something so we can get it.

0:46:7.750 --> 0:46:8.390

Jamie Lienberger

Up and running.

0:46:11.120 --> 0:46:12.850

Jacque Jaques

It just does send us the copy.

0:46:12.920 --> 0:46:13.490

Jacque Jaques

Go ahead.

0:46:13.500 --> 0:46:13.810

Jacque Jaques

I'm sorry.

0:46:10.690 --> 0:46:15.210

David Wangerin

Hey Gene, I apologize, I am a bit, I apologize June, I am available.

0:46:15.220 --> 0:46:15.730

David Wangerin

I would just.

0:46:15.740 --> 0:46:16.440

David Wangerin

I had a phone call.

0:46:16.450 --> 0:46:17.660

David Wangerin

I didn't want to interrupt the meeting with.

0:46:19.850 --> 0:46:20.180

Jamie Lienberger

OK.

0:46:26.410 --> 0:46:26.860

Gean Na

Yeah.

0:46:27.90 --> 0:46:34.850

Gean Na

Ah, Jamie, if you could work with the folks here and and just connect with me at the end of next week and then we'll see where we're at.

0:46:35.150 --> 0:46:37.50

Gean Na

And yeah, whatever.

0:46:39.280 --> 0:46:39.620

Jamie Lienberger

All right.

0:46:46.570 --> 0:46:46.790

Jamie Lienberger

OK.

0:46:51.190 --> 0:46:52.50

Jamie Lienberger

OK. Gotcha.

0:46:37.60 --> 0:46:53.220

Gean Na

Whatever volunteers you can get, and now I'll just kind of, I'll just kind of on my end just focus mainly on formatting, edit edits perspective and if you could just focus on the technical side of things since I think that's best and um.

0:46:53.560 --> 0:46:53.780

Gean Na

Yeah.

0:46:53.790 --> 0:46:54.330

Gean Na

OK.

0:46:54.660 --> 0:46:57.770

Gean Na

Any other thoughts here on this change guys 284?

0:47:0.720 --> 0:47:1.90

Gean Na

OK.

0:47:1.100 --> 0:47:4.120

Gean Na

Thanks again.

0:47:4.190 --> 0:47:11.960

Gean Na

Just to wrap up to 84, I I really wanna finish it off this year and get this into the book and and never talk about it again.

0:47:12.570 --> 0:47:15.490

Gean Na

So let's let's just try to get this one done.

0:47:16.620 --> 0:47:22.250

Gean Na

The next change is 329 table 3067832.

0:47:23.40 --> 0:47:24.70

Gean Na

This change was.

0:47:27.200 --> 0:47:33.770

Gean Na

Drafted by Ken Carlson with the Clay Pipe Institute, we've had many discussions on this at this meeting.

0:47:34.340 --> 0:47:45.920

Gean Na

Last month we had a discussion about um, why some of the numbers changed and and let me post this up on the wall for everybody.

0:47:47.590 --> 0:47:48.910

Gean Na

Uh, where we?

0:47:52.970 --> 0:47:55.660

Gean Na

Um, our document.

0:47:58.390 --> 0:47:58.660

Gean Na

OK.

0:48:2.0 --> 0:48:2.280

Gean Na

OK.

0:48:15.70 --> 0:48:15.660

Gean Na

OK.

0:48:15.670 --> 0:48:18.620

Gean Na

So yeah, this is the table that's in question.

0:48:19.160 --> 0:48:31.10

Gean Na

Um, a lot of these numbers that I'm clouding right now changed at some point and then can't identify that these numbers were allegedly wrong.

0:48:31.580 --> 0:48:34.200

Gean Na

And then there was a discussion about whether it should be average.

0:48:34.210 --> 0:48:47.440

Gean Na

ID or base ID and it sounds like the ASTM says one thing and then our greenbook says another, umm the the goal is to just get these to be correct and but that's also part of the discussion.

0:48:47.670 --> 0:48:58.490

Gean Na

Now I know Kent isn't here today, but I did tell him that I will open the item up for discussion and but he asked if there's no discussion that we'll just talk about it next month.

0:49:1.450 --> 0:49:2.800

Gean Na

Anyone want to weigh in on this?

0:49:9.700 --> 0:49:15.430

Gean Na

And uh Brooks, anything from you on this topic or any concerns about modifying these numbers?

0:49:15.660 --> 0:49:17.110

Gean Na

Is there anything that you're concerned with?

0:49:18.210 --> 0:49:24.650

Brooks Ryan

I I think that there would only I I yes and no.

0:49:24.660 --> 0:49:52.700

Brooks Ryan

I I think depending I for you know, universal position of course is is that the the base ID is the correct parameter to base the mandrel diameter off of um, but I know that that's that's the Convention because Kent, I believe I believe if I remember correctly uh Kent was saying that the the base ID is solely based off of that.

0:49:52.760 --> 0:49:53.960

Brooks Ryan

But transportation?

0:49:59.890 --> 0:50:0.100

Gean Na

Umm.

0:50:7.990 --> 0:50:8.230

Gean Na

Umm.

0:49:54.990 --> 0:50:20.450

Brooks Ryan

Um, that study done that showed deformation during the transport of the pipe and I I was able to find older a couple older documents that go in a little more depth about where that base ID was derived from

and it is in a large part that transportation but also the other two parameters were uh the uh wall thickness, uh variance and the outer diameter um manufacturing tolerance.

0:50:20.460 --> 0:50:26.430

Brooks Ryan

So it was kind of all three of those tolerances that make up that base ID determination.

0:50:27.200 --> 0:50:32.840

Brooks Ryan

But for this purpose, I think that would be one of those.

0:50:32.850 --> 0:50:36.70

Brooks Ryan

One of those things that would be, I think better discussed with Kent uh here as well.

0:50:36.760 --> 0:50:41.990

Gean Na

Umm I I'm curious too and I I hear what you're saying.

0:50:42.0 --> 0:50:43.720

Gean Na

There's a lot of different variables here.

0:50:43.730 --> 0:50:52.240

Gean Na

There's a transportation research study that was done, and then you mentioned that there's three different variables to determine what the base ID is.

0:50:52.450 --> 0:50:52.870

Gean Na

Great.

0:50:52.880 --> 0:50:58.450

Gean Na

And I think for many of us here as engineers, that's all very interesting stuff.

0:50:58.520 --> 0:51:7.140

Gean Na

But if you're in the field and you're a contractor talking to an inspector, and let's just say you have a 10 inch pipe.

0:51:9.920 --> 0:51:10.530

Gean Na

Where did they?

0:51:10.540 --> 0:51:11.850

Gean Na

Where do they get that number?

0:51:11.900 --> 0:51:12.440

Gean Na

What?

0:51:12.540 --> 0:51:16.320

Gean Na

How should they base the mandrel size?

0:51:17.280 --> 0:51:22.310

Gean Na

No, he's going to have a mandrel to that type of precision, right?

0:51:23.50 --> 0:51:23.310

Brooks Ryan

Right.

0:51:22.800 --> 0:51:24.550

Gean Na

Like, let's let's look at this first one.

0:51:24.560 --> 0:51:26.310

Gean Na

It says 5.331.

0:51:26.500 --> 0:51:27.950

Gean Na

That's the minimal mandrel.

0:51:43.790 --> 0:51:44.30

Brooks Ryan

Umm.

0:51:28.60 --> 0:51:49.230

Gean Na

No one has one that size, and I'm kind of echoing what Anthony Howard said from LA County San that like we are so deep into the weeds here that like, what's the point right where we're we're, you know, we're splitting hairs to the 3rd decimal, right?

0:51:49.430 --> 0:51:56.810

Gean Na

So I wanna make sure that we come up with something that is practical in the field and and realistic.

0:51:57.820 --> 0:52:5.400

Gean Na

Um, I understand some people would care more, you know, for the precision of things.

0:52:5.410 --> 0:52:7.640

Gean Na

But there's reality and construction.

0:52:8.370 --> 0:52:13.400

Gean Na

So those are my comments folks and and I don't want to fight over things.

0:52:13.410 --> 0:52:15.950

Gean Na

That is it never going to be realistic.

0:52:16.830 --> 0:52:25.800

Gean Na

Umm I I come from construction myself and uh, I'm not gonna talk to my inspector and say, hey, here's my here's my mandrel.

0:52:25.810 --> 0:52:31.270

Gean Na

It's 5.332, so here it is for you, you know?

0:52:31.280 --> 0:52:33.430

Gean Na

And he's not even gonna measure it, right?

0:52:33.680 --> 0:52:33.980

Brooks Ryan

Right.

0:52:33.520 --> 0:52:34.530

Gean Na

He's gonna say OK, great.

0:52:34.540 --> 0:52:36.610

Gean Na

Go pull it right.

0:52:36.620 --> 0:52:43.940

Gean Na

So those are my comments and yeah, 5 two cents.

0:52:43.220 --> 0:52:43.990

Brooks Ryan

If if I can.

0:52:45.280 --> 0:52:45.550

Gean Na

Yeah.

0:52:45.560 --> 0:52:45.840

Gean Na

No, go ahead.

0:52:44.420 --> 0:52:47.620

Brooks Ryan

Oops, sorry if I can add to that really quick.

0:52:47.630 --> 0:52:50.130

Brooks Ryan

Uh, I as I do agree.

0:52:50.140 --> 0:52:50.370

Brooks Ryan

Where?

0:52:50.380 --> 0:52:53.570

Brooks Ryan

Where that kind of precision is not necessarily, especially in field uh.

0:52:55.570 --> 0:52:57.390

Brooks Ryan

Practically achievable.

0:52:57.630 --> 0:53:11.200

Brooks Ryan

Um, right now, as far as I'm aware, the the majority of the manual manufacturers currently make it to that base ID based minimum mandrel uh diameter standard because that is what ASTM, uh currently.

0:53:13.190 --> 0:53:13.390

Gean Na

Umm.

0:53:11.650 --> 0:53:18.440

Brooks Ryan

Uh goes off of um and so so most of the current management, mandrels and circulation are based on that base ID standard.

0:53:18.450 --> 0:53:31.760

Brooks Ryan

So that unibell concern for changing it to the average ID would be, uh, that would, they're basically, uh, make all of the mandrels that are currently in circulation obsolete.

0:53:35.130 --> 0:53:35.860

Gean Na

Right.

0:53:36.320 --> 0:53:42.560

Gean Na

No, I I know in the section above it says nominal diameter and then.

0:53:45.650 --> 0:53:50.70

Gean Na

I know in this line in Green Books language here it talks about average ID somewhere.

0:53:53.140 --> 0:53:54.420

Gean Na

I'm not sure where that is though.

0:53:58.520 --> 0:54:3.620

Gean Na

Does anyone here know where they say average ID versus base ID and in the section?

0:54:24.520 --> 0:54:25.260

Gean Na

I don't see it.

0:54:36.420 --> 0:54:37.110

Gean Na

OK.

0:54:37.560 --> 0:54:59.290

Gean Na

I know we're gonna have further discussion with Ken's here, but again, the way I've seen mandrels and language and other documents like Ashton or even some DOT, none of them have a table they would just refer to the nominal side of the pipe, the percentage and and move on.

0:54:59.700 --> 0:55:1.820

Gean Na

But we like to split hairs here at greenbook.

0:55:4.330 --> 0:55:4.680

Gean Na

Yeah.

0:55:4.690 --> 0:55:8.490

Gean Na

Any other comments here on this change change 329?

0:55:11.510 --> 0:55:11.940

Gean Na

OK.

0:55:12.20 --> 0:55:12.460

Gean Na

Thanks, brooks.

0:55:14.380 --> 0:55:17.480

Gean Na

Uh, these other two changes are also from Kent.

0:55:17.900 --> 0:55:18.360

Gean Na

What?

0:55:18.370 --> 0:55:27.670

Gean Na

He asked is he wants to address these changes based on the decision made on the minimal mandrel ID.

0:55:28.640 --> 0:55:36.880

Gean Na

So again, we'll table these two things unless anyone wants to discuss them here today at 3:30 is about the mandrel.

0:55:37.670 --> 0:55:46.750

Gean Na

He is proposing a multiple legs as opposed to what it currently has and then 331 is about the 11th month warranty footnote.

0:55:50.700 --> 0:56:9.380

Brooks Ryan

Uh, a really quick before that, that 33 change I was able to find an older document from from animal that discussed mandrel accuracy and the accuracy for mandrels of different number legs for for the next month meeting.

0:56:9.560 --> 0:56:10.130

Brooks Ryan

How would I?

0:56:10.140 --> 0:56:13.130

Brooks Ryan

Would I just email that to to you Jane or or?

0:56:14.650 --> 0:56:15.610

Gean Na

Yeah, yeah.

0:56:15.700 --> 0:56:16.470

Brooks Ryan

If we want to include.

0:56:15.620 --> 0:56:24.170

Gean Na

Email them to me and then I will circulate it via email to the group and then I'll store it in Microsoft Teams for record um.

0:56:24.520 --> 0:56:25.580

Gean Na

And who is this report by?

0:56:26.940 --> 0:56:29.900

Brooks Ryan

Ah, I believe that was actually done by Bob Walker.

0:56:29.910 --> 0:56:33.760

Brooks Ryan

He was our former executive executive director from UH.

0:56:33.950 --> 0:56:35.530

Brooks Ryan

I believe 1978 to 2000.

0:56:37.820 --> 0:56:39.20

Gean Na

19 What was the dates?

0:56:39.540 --> 0:56:42.110

Brooks Ryan

As 78 to 2008, he was our executive director.

0:56:42.150 --> 0:56:43.990

Brooks Ryan

Have he's with underground solutions right now, I believe.

0:56:44.980 --> 0:56:45.890

Gean Na

OK, I've been.

0:56:45.900 --> 0:56:46.510

Gean Na

He was with Unibell.

0:56:47.360 --> 0:56:47.930

Brooks Ryan

He was, yes.

0:56:48.350 --> 0:56:49.620

Gean Na

OK, great.

0:56:49.670 --> 0:56:51.20

Gean Na

Yeah, happy to circulate it.

0:56:51.710 --> 0:56:53.850

Gean Na

I think it's good to have different varying reports.

0:56:54.840 --> 0:56:57.10

Gean Na

Umm, OK, what's the?

0:56:57.20 --> 0:56:58.350

Gean Na

Sorry, what's the report titled?

0:56:59.240 --> 0:57:1.20

Brooks Ryan

Uh, let me pull that up. Uh.

0:57:6.670 --> 0:57:8.340

Brooks Ryan

Uh, multi arm go no go.

0:57:8.350 --> 0:57:9.620

Brooks Ryan

Mandrel geometry and accuracy.

0:57:10.690 --> 0:57:12.500

Gean Na

No, no go geometry.

0:57:15.630 --> 0:57:15.830

Brooks Ryan

Yeah.

0:57:15.840 --> 0:57:18.40

Brooks Ryan

And this was this is a I don't.

0:57:18.50 --> 0:57:24.440

Brooks Ryan

Well, relatively older document that is October 1978 is when it was, uh prepared.

0:57:25.430 --> 0:57:34.680

Brooks Ryan

Umm, but to my knowledge it's the the data that's currently used for for PC mandrels by ASTM and by us.

0:57:35.400 --> 0:57:35.680

Gean Na

OK.

0:57:36.690 --> 0:57:37.20

Gean Na

Yeah.

0:57:37.30 --> 0:57:37.550

Gean Na

I mean there.

0:57:37.560 --> 0:57:39.200

Gean Na

I know that document is pretty old to you.

0:57:39.210 --> 0:57:46.370

Gean Na

The one that can't shared was, I believe, from similar age 1980 from not mistaken.

0:57:46.440 --> 0:57:47.180

Gean Na

Yeah, 1980.

0:57:48.300 --> 0:57:49.960

Gean Na

So we'll how can I have those two things?

0:57:52.50 --> 0:57:53.140

Gean Na

Yeah, go ahead and send that.

0:57:53.150 --> 0:57:55.990

Gean Na

I'll send both out together just for this group.

0:57:58.790 --> 0:57:59.360

Brooks Ryan

That sounds good.

0:57:59.370 --> 0:57:59.630

Brooks Ryan

Thank you.

0:58:0.110 --> 0:58:0.700

Gean Na

OK.

0:58:0.810 --> 0:58:1.560

Gean Na

Thanks, brooks.

0:58:2.230 --> 0:58:5.190

Gean Na

Anything else on change 3:30 or 331?

0:58:10.150 --> 0:58:18.880

Gean Na

OK, I'm gonna move on to the next item, which is 332 UM, 216 seven causes for rejection of concrete box culverts.

0:58:19.520 --> 0:58:22.310

Gean Na

This is something that I proposed, so I will.

0:58:23.770 --> 0:58:29.830

Gean Na

I'll show you what I had revised and following up to our discussion last month.

0:58:30.220 --> 0:58:37.0

Gean Na

Edward Arrington asked that the change be specific to storm water only.

0:58:39.360 --> 0:58:40.540

Gean Na

Let's see where this thing is.

0:58:42.900 --> 0:58:43.380

Gean Na

OK.

0:58:43.390 --> 0:58:44.110

Gean Na

Could you guys see this?

0:58:46.920 --> 0:58:47.180

Jamie Lienberger

Yep.

0:58:48.220 --> 0:58:48.670

Gean Na

OK.

0:58:48.760 --> 0:58:49.210

Gean Na

Thanks.

0:58:49.290 --> 0:58:56.320

Gean Na

Umm, so I guess it's possible that reinforced concrete box could be used for sanitary application.

0:58:57.370 --> 0:59:0.140

Gean Na

I'm not aware of that, but it's of course possible.

0:59:0.550 --> 0:59:5.750

Gean Na

And of course, there could be a new engineer or contractor today that may try to do that.

0:59:7.240 --> 0:59:15.0

Gean Na

So Edward Arrington asked that this modification be specific to storm only.

0:59:17.10 --> 0:59:19.870

Gean Na

Uh, right.

0:59:19.880 --> 0:59:35.830

Gean Na

So then I added this language here and so we do have four items currently existing in greenbook that would warrant a rejection of precast reinforced concrete box.

0:59:36.400 --> 0:59:49.130

Gean Na

And then there's here the additional language referencing AASHTO R73, which was a very similarly done for pipe in the last greenbook edition.

0:59:50.180 --> 1:0:3.110

Gean Na

So this edition is, um, giving inspectors and contractors another document to reference when they don't agree, whether or not something is acceptable, repairable or rejectable.

1:0:4.260 --> 1:0:7.450

Gean Na

Umm, so this is the modification that I have here.

1:0:11.390 --> 1:0:12.630

Gean Na

Any comments or questions?

1:0:21.720 --> 1:0:22.130

Gean Na

OK.

1:0:22.140 --> 1:0:24.140

Gean Na

Hearing none. Umm.

1:0:24.760 --> 1:0:25.830

Gean Na

Does anyone have any issues with this?

1:0:28.90 --> 1:0:28.880

Gean Na

Don't be shy.

1:0:28.950 --> 1:0:30.610

Gean Na

Need some uh involvement here?

1:0:38.300 --> 1:0:38.770

Gean Na

OK.

1:0:39.80 --> 1:0:42.630

Gean Na

Any motion to put this on a 30 day hold for official review?

1:0:43.370 --> 1:0:46.120

Jamie Lienberger

Absolutely yes.

1:0:45.440 --> 1:0:46.980

Gean Na

That was you, right, Jamie. OK.

1:0:46.550 --> 1:0:47.150

Jamie Lienberger

Yes, yes.

1:0:48.840 --> 1:0:50.130

Jamie Lienberger

Let's clear the dinner table.

1:0:52.740 --> 1:0:53.150

Gean Na

OK.

1:0:53.160 --> 1:0:54.320

Gean Na

And anyone supporting this?

1:0:57.110 --> 1:0:57.650

Colin McCarter

I'll second.

1:0:58.820 --> 1:1:0.150

Gean Na

Uh, I think that was calling.

1:1:0.320 --> 1:1:1.480

Gean Na

I don't see a ID.

1:1:0.730 --> 1:1:2.490

Colin McCarter

Yep, Yep.

1:1:3.270 --> 1:1:3.810

Gean Na

Thank you.

1:1:9.850 --> 1:1:14.230

Gean Na

OK, I'm putting this on hold and I'll send this out.

1:1:14.290 --> 1:1:17.340

Gean Na

I'll so via email just cause we have some of the access problems.

1:1:19.50 --> 1:1:21.970

Gean Na

Any other questions on and old business items?

1:1:25.550 --> 1:1:26.100

Gean Na

OK.

1:1:26.850 --> 1:1:28.980

Gean Na

Our next meeting is August 15th.

1:1:28.990 --> 1:1:30.190

Gean Na

Let me double check that date.

1:1:32.780 --> 1:1:34.890

Gean Na

123 Yep, August 15th.

1:1:34.900 --> 1:1:36.150

Gean Na

So right in the middle of the month.

1:1:36.160 --> 1:1:38.550

Gean Na

So it's gonna come a little bit quicker than usual guys.

1:1:39.40 --> 1:1:58.610

Gean Na

So kind of recapping back to change 284, I I I'm gonna just have to get a little bit more involved and get that thing moving along the editorial committee as moving or sorry that's is meeting today at 1:00 o'clock which is a good thing I think it's best that they meet after this instead of before.

1:1:59.600 --> 1:2:0.110

Gean Na

Um.

1:2:3.430 --> 1:2:3.860

Colin McCarter

I'll be there.

1:2:0.790 --> 1:2:4.990

Gean Na

Colin, will you make it to the meeting today at 1:00 o'clock?

1:2:5.0 --> 1:2:5.680

Gean Na

OK, great.

1:2:7.560 --> 1:2:8.890

Gean Na

Yeah, you guys have anything else?

1:2:8.900 --> 1:2:10.630

Gean Na

He does wanna talk about before we adjourn.

1:2:15.40 --> 1:2:15.650

Gean Na

OK.

1:2:15.660 --> 1:2:16.410

Gean Na

Thanks everyone.

1:2:16.420 --> 1:2:17.710

Gean Na

Brooks, just send me that report.

1:2:17.720 --> 1:2:20.800

Gean Na

I'll get that out and I will circulate meeting minutes when it's ready.

1:2:21.790 --> 1:2:22.280

Jamie Lienberger

All right.

1:2:22.330 --> 1:2:22.720

Jamie Lienberger

Good deal.

1:2:22.780 --> 1:2:23.220

Gean Na

All right.

1:2:23.230 --> 1:2:24.70

Gean Na

Thanks everyone.

1:2:23.560 --> 1:2:24.90

David Wangerin

Thanks everybody.

1:2:24.930 --> 1:2:25.400

Lee, Jensen

E with.

1:2:24.280 --> 1:2:26.260

Gean Na

And then Jamie, let's talk right after this.

1:2:26.770 --> 1:2:27.650

Jamie Lienberger

Yep, we'll hang out.

1:2:28.460 --> 1:2:28.700

Gean Na

OK.

1:2:29.630 --> 1:2:30.110

Colin McCarter

Thanks everyone.

1:2:30.650 --> 1:2:31.770

Gean Na

Yeah, but everyone take care.

1:2:42.650 --> 1:2:43.0

Gean Na

OK.

1:2:43.10 --> 1:2:43.660

Gean Na

Hey, Jamie.

1:2:43.730 --> 1:2:45.100

Gean Na

I'm gonna end the meeting.

1:2:44.110 --> 1:2:45.840

Jamie Lienberger

Paging OK.

1:2:45.430 --> 1:2:51.440

Gean Na

I wanna see what this looks like, so I'm gonna end it and then and I'll.

1:2:51.480 --> 1:2:56.190

Gean Na

I'll I'll create another, uh Microsoft Teams meeting so we could look at what what it looks like.

1:2:56.810 --> 1:2:57.630

Jamie Lienberger

OK. Gotcha.

1:2:58.720 --> 1:3:0.670

Gean Na

Ohh Dickie, you're here.

1:3:1.330 --> 1:3:1.470

Jamie Lienberger

Hey.

1:3:0.900 --> 1:3:1.600

Gean Na

How's it going, Dickie?

1:3:4.290 --> 1:3:5.60

Gean Na

For his there.

1:3:5.980 --> 1:3:6.310

Brooks Ryan

Sorry.

1:3:7.600 --> 1:3:7.800

Gean Na

Yeah.

1:3:11.130 --> 1:3:11.340

Gean Na

Uh.

1:3:6.320 --> 1:3:12.340

Brooks Ryan

Hello I I must have missed it cut out for me for a for a little bit lost connection.

1:3:13.200 --> 1:3:14.30

Gean Na

Ohh no worries Brooks.

1:3:14.40 --> 1:3:15.230

Gean Na

Yeah, we just adjourned the meeting.

1:3:15.240 --> 1:3:22.790

Gean Na

But just the reminder to please send me that report from from the gentleman from 1978 and then I'll get that circulated.

1:3:23.540 --> 1:3:23.920

Brooks Ryan

I will.

1:3:23.840 --> 1:3:24.300

Gean Na

But yeah, we.

1:3:23.930 --> 1:3:24.540

Brooks Ryan

I'll do that.

1:3:24.590 --> 1:3:26.100

Brooks Ryan

Uh, as soon as I'm off.

1:3:26.920 --> 1:3:27.390

Gean Na

OK.

1:3:27.480 --> 1:3:28.200

Gean Na

Thanks Brooke.

1:3:28.250 --> 1:3:31.310

Gean Na

And hey, and Brooks, feel free to give me a call to chat about this.

1:3:31.320 --> 1:3:38.30

Gean Na

I know in the past it got a little heated but just want to do what's best for the industry and greenbook.

1:3:38.870 --> 1:3:39.240

Brooks Ryan

Right.

1:3:39.250 --> 1:3:39.500

Brooks Ryan

Right.

1:3:39.510 --> 1:3:40.900

Brooks Ryan

That's fair and added curiosity.

1:3:40.910 --> 1:3:45.100

Brooks Ryan

Do do you all ever meet in person or is it a majority online meetings?

1:3:45.110 --> 1:3:50.320

Brooks Ryan

I'm relatively new to the my familiarity with the Green book.

1:3:50.330 --> 1:3:52.780

Brooks Ryan

I believe I only started attending the meetings about March.

1:3:53.680 --> 1:3:58.330

Gean Na

Yeah, we used to meet in person in a facility.

1:3:58.340 --> 1:4:0.150

Gean Na

In what was the city name?

1:4:0.200 --> 1:4:3.250

Gean Na

Not El Monte, but in, you know, right along that area.

1:4:5.720 --> 1:4:6.100

Brooks Ryan
Oh, OK.

1:4:6.710 --> 1:4:7.390

Jamie Lienberger
The pointing.

1:4:3.310 --> 1:4:8.870

Gean Na
Office off the 10:00 and majority of the folks, the Puente.

1:4:8.880 --> 1:4:9.430

Gean Na
Thank you.

1:4:9.860 --> 1:4:13.460

Gean Na
And it it used to be the old AGC building and they moved out.

1:4:14.490 --> 1:4:21.860

Gean Na
Um and the majority of the group met in person, and maybe you know 20% or so joined in virtually.

1:4:22.460 --> 1:4:28.480

Gean Na
And this was before COVID, so once COVID hit all of Greenbook went virtual.

1:4:28.590 --> 1:4:30.610

Gean Na
I'm talking to all of the committees and subcommittees.

1:4:32.640 --> 1:4:42.270

Gean Na
There is a space to meet in person, but we haven't been and I think mainly it's because you know it's it's a lot more time efficient.

1:4:43.210 --> 1:4:43.490

Brooks Ryan
Right.

1:4:43.330 --> 1:4:49.940

Gean Na
You know, there's no travel, of course, but I know there's been some groups that have met in person, but we haven't.

1:4:49.950 --> 1:4:52.730

Gean Na

We've maintained a virtual environment.

1:4:54.220 --> 1:4:55.690

Gean Na

Um, but hey, you never know.

1:4:55.700 --> 1:4:56.450

Gean Na

It could change.

1:4:57.70 --> 1:5:3.480

Gean Na

I think there's a bit a lot of benefit to meeting a person myself and, you know, putting human beings are human beings.

1:5:4.700 --> 1:5:5.80

Gean Na

Yeah.

1:5:4.860 --> 1:5:5.290

Brooks Ryan

That's fine.

1:5:5.140 --> 1:5:9.0

Gean Na

So that's a long answer to say no, but yeah.

1:5:11.520 --> 1:5:11.790

Gean Na

Uh.

1:5:11.650 --> 1:5:12.450

Brooks Ryan

Well, thank you though.

1:5:11.800 --> 1:5:12.630

Gean Na

Dickie, are you?

1:5:12.880 --> 1:5:13.180

Gean Na

Yeah.

1:5:13.190 --> 1:5:13.350

Gean Na

You.

1:5:13.360 --> 1:5:13.990

Gean Na

You're welcome.

1:5:14.540 --> 1:5:16.230

Gean Na

Dickie, are you there?

1:5:16.500 --> 1:5:17.570

Gean Na

Maybe you walked away.

1:5:17.710 --> 1:5:19.520

Gean Na

Just wanted to give you an update on some of your changes.

1:5:23.80 --> 1:5:23.870

Gean Na

Yeah, it's OK.

1:5:24.780 --> 1:5:25.60

Gean Na

Alright.

1:5:25.70 --> 1:5:25.810

Gean Na

Well, thanks guys.

1:5:25.880 --> 1:5:29.40

Gean Na

Jamie, I'll give you a buzz back and we'll look at some of the recordings on this.

1:5:29.670 --> 1:5:30.610

Jamie Lienberger

All right, you got it.

1:5:30.690 --> 1:5:31.290

Jamie Lienberger

Thanks gene.

1:5:31.90 --> 1:5:31.600

Gean Na

Alright.

1:5:31.650 --> 1:5:31.880

Gean Na

Yeah.

1:5:31.890 --> 1:5:32.340

Gean Na

Bye, everyone.

1:5:32.350 --> 1:5:32.770

Gean Na

See you, Dave.

1:5:31.330 --> 1:5:33.580

Jamie Lienberger

Alright I I.

1:5:33.660 --> 1:5:34.10

Brooks Ryan

Thank you.

1:5:34.20 --> 1:5:34.950

Brooks Ryan

I'll send that over to you right away.

1:5:35.430 --> 1:5:36.130

Gean Na

OK, you got it.

1:5:36.140 --> 1:5:36.440

Gean Na

Thank you.