

0:0:8.87 --> 0:0:8.847

Pellegrino, Eli

Hi everyone.

0:0:10.577 --> 0:0:16.577

Pellegrino, Eli

We are going to wait a couple minutes before we officially start just to give people a little bit more time to come in.

0:0:18.257 --> 0:0:21.57

Pellegrino, Eli

Now would be a good time if you're not super familiar with teams.

0:0:22.857 --> 0:0:22.937

Pellegrino, Eli

To.

0:0:24.497 --> 0:0:26.577

Pellegrino, Eli

See if you can find where the chat function is.

0:0:26.577 --> 0:0:29.537

Pellegrino, Eli

Test if your cameras are working or not.

0:0:31.857 --> 0:0:36.417

Pellegrino, Eli

It looks like I might need to do something. It looks like everybody has their mic restricted.

0:1:40.897 --> 0:1:43.297

Pellegrino, Eli

I see that your video is also restricted as well.

0:1:45.137 --> 0:1:52.737

Pellegrino, Eli

I think that there is a way to do this for everybody, but I'm just since there's not that many of you go through 1 by 1.

0:1:54.417 --> 0:1:56.257

Pellegrino, Eli

And give you your cameras and your mics.

0:2:0.517 --> 0:2:1.477

Pellegrino, Eli

Sorry about that.

0:2:1.637 --> 0:2:6.237

Pellegrino, Eli

Probably was something in the settings when I made this webinar.

0:3:56.137 --> 0:3:56.337

Pellegrino, Eli

OK.

0:3:56.457 --> 0:4:0.137

Pellegrino, Eli

I think everybody should have their camera and microphone.

0:4:2.697 --> 0:4:15.737

Pellegrino, Eli

Unrestricted, so you can turn them on and off if you need slash want to. But we do ask that unless you're asking a question, please keep your microphone off. That way, there's not, like, weird audio in the background for everybody else.

0:4:18.937 --> 0:4:19.57

Pellegrino, Eli

Hey.

0:4:22.57 --> 0:4:34.657

Pellegrino, Eli

But we're a couple of minutes past. I think everyone who's gonna show up is probably here. So we'll get started. If you don't know me, my name is Eli Pellegrino.

0:4:34.657 --> 0:4:37.177

Pellegrino, Eli

I work for the subsurface wastewater unit.

0:4:37.177 --> 0:4:50.177

Pellegrino, Eli

We're part of the drinking water program. We've been working on the HHE 200 and HHE 204 forms and one of the requests that we got was to turn the form into a AutoCAD file.

0:4:50.177 --> 0:4:51.857

Pellegrino, Eli

So that side evaluators can.

0:4:53.207 --> 0:4:54.447

Pellegrino, Eli

Actually use it.

0:4:55.977 --> 0:5:1.977

Pellegrino, Eli

So we had Josh convert the form from APDF into an AutoCAD.

0:5:3.657 --> 0:5:19.977

Pellegrino, Eli

And he will be going over the form just before we get to that, though. As a reminder, yesterday we had the review of the HHE 200 and HH204 forms. If you missed that, we will have a recording of it put.

0:5:22.967 --> 0:5:27.567

Pellegrino, Eli

Is anyone else having trouble hearing me? I can slow down.

0:5:32.347 --> 0:5:32.867

Pellegrino, Eli

OK.

0:5:35.377 --> 0:5:38.297

Pellegrino, Eli

Thomas, I'm not sure why you're having trouble.

0:5:38.297 --> 0:5:42.337

Pellegrino, Eli

I would maybe check your mic settings or your audio settings.

0:5:55.337 --> 0:5:59.337

Pellegrino, Eli

Yes. So yesterday we had a training that was recorded and it'll be put up on our website.

0:5:59.337 --> 0:6:1.457

Pellegrino, Eli

I'll put the link for that in the chat in a minute.

0:6:2.937 --> 0:6:6.377

Pellegrino, Eli

And on next Monday, Brent will be doing a training.

0:6:6.577 --> 0:6:13.297

Pellegrino, Eli

That's more of his kind of typical training, like the one he does in March. It will be more on the rules.

0:6:14.97 --> 0:6:17.217

Pellegrino, Eli

So if you have any questions, feel free to put them in the chat.

0:6:18.977 --> 0:6:19.97

Pellegrino, Eli

And.

0:6:23.37 --> 0:6:24.917

Pellegrino, Eli

Josh, whenever you're ready.

0:6:26.767 --> 0:6:27.847

Gildert, Joshua

Thanks Eli.

0:6:28.207 --> 0:6:29.327

Gildert, Joshua

Good afternoon all.

0:6:29.527 --> 0:6:31.7

Gildert, Joshua

My name is Josh Gilder.

0:6:31.7 --> 0:6:37.687

Gildert, Joshua

I'm an environmental engineer slash Project manager working the engineering unit of the main drinking water program.

0:6:39.57 --> 0:6:55.617

Gildert, Joshua

My primary focus is on the project management within the state revolving fund as well as reviews of treatment change applications for public water systems. I've been with the drinking water program for about two years now. I'm working under the Caribou Main location.

0:6:57.647 --> 0:7:1.767

Gildert, Joshua

Though construction season tends to mean that I'm traveling around the state quite a bit.

0:7:4.417 --> 0:7:12.937

Gildert, Joshua

Prior to working with the main drink water program, I did about 12 years as a civil engineer, primarily working on utility and industrial designs.

0:7:15.887 --> 0:7:23.727

Gildert, Joshua

As Eli mentioned, the subsurface wastewater team asked me to assist with creating CAD versions of this HHE 200 form.

0:7:23.727 --> 0:7:28.167

Gildert, Joshua

I have some AutoCAD experience so I was able to assist.

0:7:28.487 --> 0:7:33.767

Gildert, Joshua

By no means am I an expert in CAAD, but I can recreate the form.

0:7:36.537 --> 0:7:44.497

Gildert, Joshua

So I think how both the subsurface wastewater unit and I view these, are these pages in their AutoCAD form?

0:7:44.847 --> 0:7:47.247

Gildert, Joshua

Are kind of a baseline or a starting point?

0:7:48.737 --> 0:7:49.937

Gildert, Joshua

To use this in AutoCAD form.

0:7:51.657 --> 0:8:7.977

Gildert, Joshua

You know, we we intended to provide a basic outline of the form with the intent that all of you can take that file, modify it for data entry and workflow and what. However, that best suits your needs.

0:8:10.957 --> 0:8:24.917

Gildert, Joshua

So once we get into the actual review of the CAD forms, you know I think you'll see that the intent was, you know to provide these as a sort of template, but without trying to limit or direct how?

0:8:26.417 --> 0:8:28.257

Gildert, Joshua

You know you are actually using these forms.

0:8:30.217 --> 0:8:37.537

Gildert, Joshua

So with all that being said, I doubt we're going to use the full a lot of time. So there should be plenty of time for questions at the end.

0:8:39.297 --> 0:8:39.857

Gildert, Joshua

And.

0:8:40.127 --> 0:8:43.247

Gildert, Joshua

You know, if if questions arise as we go through.

0:8:44.777 --> 0:8:45.817

Gildert, Joshua

Each of the AutoCAD pages.

0:8:45.817 --> 0:8:48.977

Gildert, Joshua

Feel free to chime in and we'll answer as best we can.

0:8:51.367 --> 0:8:58.647

Gildert, Joshua

Depending on the nature of those questions, you know we may need to discuss internally review and we may need to follow up after the meeting.

0:8:58.807 --> 0:9:0.367

Gildert, Joshua

Just depending on the nature.

0:9:2.427 --> 0:9:14.667

Gildert, Joshua

So with all that being said, I'm gonna do a brief review of the PDF form and then we'll move on to a more in depth view of the AutoCAD versions of those of those pages.

0:9:15.227 --> 0:9:17.107

Gildert, Joshua

So I won't share my screen.

0:9:19.287 --> 0:9:24.647

Gildert, Joshua

And you should now see the latest HHE 200 form.

0:9:26.427 --> 0:9:27.387

Gildert, Joshua

That.

0:9:29.377 --> 0:9:31.297

Gildert, Joshua

Eli and the subsurface wastewater team have been using.

0:9:35.377 --> 0:9:38.417

Gildert, Joshua

So scrolling through these first couple pages.

0:9:39.897 --> 0:9:59.17

Gildert, Joshua

You'll notice page one. Page two are quite text heavy. You know a lot of text, a lot of check boxes that maybe are more in line with using fillable forms in the PDF version and maybe pages three and four are more in line with using AutoCAD.

0:10:0.857 --> 0:10:2.257

Gildert, Joshua

So you might find it easier.

0:10:2.567 --> 0:10:8.207

Gildert, Joshua

Here to mix and match certain pages and then combine into a single document at the end.

0:10:9.157 --> 0:10:13.237

Gildert, Joshua

Uh, but you know, we wanted to provide options for everything.

0:10:21.37 --> 0:10:22.997

Gildert, Joshua

A few questions have popped up.

0:10:26.127 --> 0:10:31.807

Gildert, Joshua

John says the CAD template does not scale correctly.

0:10:33.847 --> 0:10:35.807

Gildert, Joshua

We can discuss that.

0:10:37.527 --> 0:10:44.727

Gildert, Joshua

I've done some internal testing, but you know I'm happy to take a look at some issues we may be having.

0:10:46.187 --> 0:10:52.267

Gildert, Joshua

And I think the next question is more for the subsurface wastewater team on if they can use the new forms now.

0:10:53.517 --> 0:11:1.77

Pellegrino, Eli

Based on the feedback that we received yesterday, we're going to need to tweak the form a little bit. So I wouldn't start using the forms now.

0:11:2.567 --> 0:11:8.247

Pellegrino, Eli

We wait until there's, like, an official e-mail that says that they're good to use.

0:11:13.127 --> 0:11:14.287

Gildert, Joshua

Thank you, Eli.

0:11:16.597 --> 0:11:24.357

Gildert, Joshua

OK, so scrolling through PDF version which I understand most of you sat through a webinar on this yesterday.

0:11:24.437 --> 0:11:26.597

Gildert, Joshua

Multiple versions of page three and four.

0:11:28.47 --> 0:11:33.727

Gildert, Joshua

And likewise, we also have multiple versions of page three and four in the AutoCAD format.

0:11:35.487 --> 0:11:43.287

Gildert, Joshua

So with all that being said, I'm gonna jump over to the CAD version and we'll walk through page by page.

0:11:44.197 --> 0:11:46.357

Gildert, Joshua

And we'll go from there.

0:11:49.847 --> 0:12:1.607

Gildert, Joshua

So here is the first page. You'll notice that the layout overall formatting of the CAD version more or less mirrors what you see in the PDF version.

0:12:2.677 --> 0:12:9.37

Gildert, Joshua

Font types sizes are as close of a match to the PDF version as we could get.

0:12:10.347 --> 0:12:10.427

Gildert, Joshua

Um.

0:12:13.77 --> 0:12:30.357

Gildert, Joshua

So the intent would be that you know if you say you want to use page one and two of the PDF form and 3/4 of the CAD format, you could combine those into a single document and it would appear you know as a cohesive single document.

0:12:34.527 --> 0:12:37.927

Gildert, Joshua

So all of the work we have done is strictly in paper space.

0:12:37.967 --> 0:12:41.527

Gildert, Joshua

There is nothing in model space that we have included.

0:12:43.47 --> 0:12:47.7

Gildert, Joshua

The intent was to basically provide templates in this model space.

0:12:47.917 --> 0:12:53.877

Gildert, Joshua

You would you take those, modify them as needed for your specific projects and use cases.

0:12:55.327 --> 0:13:1.7

Gildert, Joshua

And then you know, if you want to use model space for some of your drawings and insert viewports, that would be.

0:13:2.727 --> 0:13:4.207

Gildert, Joshua

That we foresee that being used.

0:13:6.7 --> 0:13:10.447

Gildert, Joshua

All of the data entry is done as attributes in AutoCAD.

0:13:11.967 --> 0:13:18.247

Gildert, Joshua

So some of these are single line items in some places, like the notes are multiline text entry.

0:13:19.437 --> 0:13:24.997

Gildert, Joshua

So for these single line items, we have a placeholder for any of these.

0:13:26.407 --> 0:13:39.567

Gildert, Joshua

Form fields where you we would expect you to enter data if you click on that attribute it'll pop up this attribute editor. You'd input your value for whatever your project specifications are.

0:13:39.927 --> 0:13:44.247

Gildert, Joshua

Click OK and then move on through the attributes.

0:13:47.677 --> 0:13:57.157

Gildert, Joshua

For the multi line similar you pop up the attribute editor for the multiline text instead of typing in your value.

0:13:57.157 --> 0:14:3.517

Gildert, Joshua

Here you would click these three dots and down here you can enter any additional notes you may have.

0:14:9.747 --> 0:14:11.27

Gildert, Joshua

So all of.

0:14:13.287 --> 0:14:15.127

Gildert, Joshua

The you know the text for the actual form.

0:14:15.167 --> 0:14:25.207

Gildert, Joshua

You know the heading all of these required form fields. These are all combined into a single block on each page.

0:14:25.407 --> 0:14:35.287

Gildert, Joshua

The intent is that you will not need to edit these blocks and that only the attributes or these check boxes would be edited on each page.

0:14:39.7 --> 0:14:39.927

Gildert, Joshua

For these text boxes.

0:14:40.757 --> 0:14:49.77

Gildert, Joshua

All of these are set up for every page as you click on them, and it's a dynamic block for either check or uncheck.

0:14:49.77 --> 0:14:51.637

Gildert, Joshua

So if you click check, you have the.

0:14:53.87 --> 0:14:54.767

Gildert, Joshua

The check box up here uncheck.

0:14:54.767 --> 0:14:55.247

Gildert, Joshua

It's gone.

0:14:59.357 --> 0:14:59.477

Gildert, Joshua

Umm.

0:15:1.977 --> 0:15:13.497

Gildert, Joshua

So these types of attribute entries in the check boxes are consistent across, you know, page one through page four, including the alternate design pages.

0:15:15.7 --> 0:15:24.367

Gildert, Joshua

So once you get in to actually using these, hopefully it's it's a consistent process across the pages that you want to use.

0:15:26.927 --> 0:15:30.687

Gildert, Joshua

Thomas asks if CAD is a downloadable program.

0:15:32.47 --> 0:15:34.47

Gildert, Joshua

It is downloadable downloadable.

0:15:34.47 --> 0:15:41.167

Gildert, Joshua

You do need a license for it, so it's an what I'm using here is an Autodesk AutoCAD product.

0:15:41.287 --> 0:15:44.127

Gildert, Joshua

This is the newest version of the 2026 version.

0:15:49.687 --> 0:15:53.927

Gildert, Joshua

Roger says that the check boxes do not work with Brix CAD.

0:15:54.487 --> 0:15:56.687

Gildert, Joshua

I am unfamiliar with that CAD program.

0:15:58.87 --> 0:16:2.527

Gildert, Joshua

But I'm happy to help troubleshoot if you want to send us an e-mail.

0:16:9.67 --> 0:16:12.547

Gildert, Joshua

You'll notice that certain form fields have been left blank.

0:16:14.47 --> 0:16:25.607

Gildert, Joshua

The thought process there is that some of these fields such as signatures or dates, are likely to be entered after these pages are either printed or published.

0:16:28.847 --> 0:16:37.87

Gildert, Joshua

So you know we left blank areas that we expect might be filled out after the form has been printed or published.

0:16:42.817 --> 0:16:48.577

Gildert, Joshua

So like I said, you know page one, page two are quite text heavy in my opinion.

0:16:49.957 --> 0:16:55.797

Gildert, Joshua

Maybe AutoCAD isn't the best option, but we did wanna provide you with the ability to use this.

0:16:57.247 --> 0:17:2.927

Gildert, Joshua

Use any pages in either the CAD format or the PDF format.

0:17:6.507 --> 0:17:13.27

Gildert, Joshua

So that said, we'll move on to page 2, which is quite similar to Page 1 again.

0:17:14.407 --> 0:17:18.167

Gildert, Joshua

Attributes are set up in the same way you would click on them.

0:17:18.207 --> 0:17:20.87

Gildert, Joshua

It'll prompt you to enter a value.

0:17:21.847 --> 0:17:25.927

Gildert, Joshua

These dynamic blocks are set up the same way either check or uncheck.

0:17:29.637 --> 0:17:47.487

Gildert, Joshua

And again, this sheet has both single line text such as this or the multiline text down here, where instead of being prompted to enter the value directly on this pop-up, you would have to click these three dots to the side and then enter directly in the paper space.

0:17:52.877 --> 0:17:53.517

Gildert, Joshua

Again.

0:17:54.927 --> 0:17:58.87

Gildert, Joshua

There's a few fields that have been left blank, such as the signature and the date.

0:17:58.167 --> 0:18:6.527

Gildert, Joshua

Again, you know, we expect that these fields may be populated after this is printed or published out of AutoCAD.

0:18:7.327 --> 0:18:12.47

Gildert, Joshua

So that's, that's the reasoning and the thought process behind why those pages are blank.

0:18:15.907 --> 0:18:18.27

Gildert, Joshua

We'll move on to Page 3.

0:18:20.667 --> 0:18:27.667

Gildert, Joshua

Again, closely mirrors what you see in the PDF version of the HHE 200 form.

0:18:29.197 --> 0:18:35.77

Gildert, Joshua

This page three, we have the three different options, the blank page, the grid and then the alternate.

0:18:36.687 --> 0:18:44.287

Gildert, Joshua

And again the layout is very similar across all three and Matt and aligns with what you see on the PDF form.

0:18:46.247 --> 0:18:50.47

Gildert, Joshua

So the first page you have your blank space at the top of the paper.

0:18:51.687 --> 0:18:58.647

Gildert, Joshua

To you know, add your drawings, add your site location. So we would expect you likely use a viewport here.

0:18:58.997 --> 0:19:6.877

Gildert, Joshua

Here you would do your actual drawing and line work in in the model view add a viewport to show it here.

0:19:8.407 --> 0:19:10.247

Gildert, Joshua

Site location is similar.

0:19:10.607 --> 0:19:17.287

Gildert, Joshua

You know whether you're taking a, you know, a an image, or if you're using.

0:19:18.887 --> 0:19:25.567

Gildert, Joshua

The geolocate feature within AutoCAD to use a map base layer to populate the site location field.

0:19:28.917 --> 0:19:31.397

Gildert, Joshua

Attributes are set up the same way as the other pages.

0:19:31.397 --> 0:19:32.77

Gildert, Joshua

Click in.

0:19:32.77 --> 0:19:38.517

Gildert, Joshua

You'll be prompted to edit the value check boxes same way check or uncheck for a dynamic block.

0:19:41.577 --> 0:19:44.457

Gildert, Joshua

The table out at the bottom of the page.

0:19:46.327 --> 0:19:53.527

Gildert, Joshua

So this mirrors what you see in the PDF version. You would just click in individual cells.

0:19:53.527 --> 0:20:0.367

Gildert, Joshua

You know you can type as you need and only you only need to populate the cells that you wish to populate.

0:20:1.47 --> 0:20:11.87

Gildert, Joshua

There's the heading in row one textures, consistents Color Redux features and then for your soil profiles.

0:20:12.337 --> 0:20:14.697

Gildert, Joshua

Rows 2 through 25.

0:20:16.817 --> 0:20:21.577

Gildert, Joshua

And again, that's mirrored on the right side for another observation hole.

0:20:26.887 --> 0:20:31.87

Gildert, Joshua

We'll move on to the grid page for Page 3.

0:20:33.857 --> 0:20:35.337

Ted Pellerin

Can I ask a question?

0:20:33.917 --> 0:20:36.117

Gildert, Joshua

You'll notice. Yeah, go ahead.

0:20:35.417 --> 0:20:44.337

Ted Pellerin

Can I interrupt and ask a question about that that you said that we were in the model space on that page, yet that's attributes down on the soil profile description?

0:20:45.847 --> 0:20:54.47

Ted Pellerin

And the attributes that we're doing on page one and two, it was suggested that we might be doing the the fill out the PDF form.

0:20:55.727 --> 0:21:1.407

Ted Pellerin

But if we're if we're going through this, I mean one is in the page layout, one's in the model space.

0:21:3.477 --> 0:21:6.677

Ted Pellerin

What would be done down in the soil profile?

0:21:6.677 --> 0:21:9.317

Ted Pellerin

Would it be the page layout or the model space that?

0:21:9.437 --> 0:21:11.197

Ted Pellerin

Thank you for answering questions.

0:21:11.307 --> 0:21:19.267

Gildert, Joshua

So how I foresee you would use this is currently how we have these laid out is everything is strictly in paper space.

0:21:20.347 --> 0:21:27.27

Gildert, Joshua

How I would see, you know, if you're doing a plan view, you would do that in model space.

0:21:27.227 --> 0:21:31.67

Gildert, Joshua

You would insert a viewport into your paper space.

0:21:31.547 --> 0:21:36.947

Gildert, Joshua

You'd scale it, you know as needed to fill out the space.

0:21:38.427 --> 0:21:40.907

Gildert, Joshua

And that's how I foresee you using this.

0:21:42.627 --> 0:21:44.347

Gildert, Joshua

Am I correctly understanding your question?

0:21:45.367 --> 0:21:46.487

Ted Pellerin

Yeah. Thank you.

0:21:46.687 --> 0:21:50.207

Ted Pellerin

You already previously answered that it's just one of my head. Thanks.

0:21:51.67 --> 0:21:51.547

Gildert, Joshua

OK.

0:21:56.307 --> 0:21:59.107

Gildert, Joshua

So back to the grid sheet again.

0:21:59.147 --> 0:22:3.587

Gildert, Joshua

Very similar to the the blank sheet for Page 3.

0:22:7.807 --> 0:22:10.527

Gildert, Joshua

You have, you know, your grid at the top.

0:22:10.527 --> 0:22:23.687

Gildert, Joshua

It's 1/4 inch grid layout, so the lines are spaced quarter inch apart down at the bottom.

Same attributes, check boxes and table for your soil properties.

0:22:30.957 --> 0:22:32.797

Gildert, Joshua

Moving on to page 4.

0:22:34.787 --> 0:22:35.347

Gildert, Joshua

Again.

0:22:36.787 --> 0:22:37.707

Gildert, Joshua

Similar for the attributes.

0:22:37.827 --> 0:22:41.187

Gildert, Joshua

Click in edit accordingly and save.

0:22:42.907 --> 0:22:59.467

Gildert, Joshua

And again, this I foresee these sheets being used where you do your drawings, your

cross sections in model space insert viewports to fill these top and bottom boxes and then fill out the information accordingly.

0:23:1.197 --> 0:23:9.157

Gildert, Joshua

We don't want to say that's how you have to do it. If you want to do your drawings in paper space, you know that's that's perfectly reasonable.

0:23:10.907 --> 0:23:15.987

Gildert, Joshua

But I've always found that inserting viewports and scaling the viewport accordingly.

0:23:17.667 --> 0:23:18.867

Gildert, Joshua

Has worked the best for me.

0:23:25.27 --> 0:23:25.147

Gildert, Joshua

Umm.

0:23:28.217 --> 0:23:29.977

Gildert, Joshua

So it's similar again.

0:23:29.977 --> 0:23:37.177

Gildert, Joshua

You know, we are not providing those viewpoints, but we foresee that as being a way that this probably would be used with AutoCAD.

0:23:41.787 --> 0:23:42.867

Gildert, Joshua

Page 4.

0:23:44.987 --> 0:23:58.427

Gildert, Joshua

Basically the same as the page 4 blank sheet with the exception being that we have 1/4 inch grid layouts in these top and bottom drawing boxes for your plan view and your cross sections.

0:23:59.677 --> 0:24:2.757

Gildert, Joshua

Again, no. Viewports but.

0:24:4.307 --> 0:24:14.947

Gildert, Joshua

If you did choose to use it, you know we would expect that most of you would be doing those drawings in model space and then inserting viewports to view in paper space.

0:24:20.507 --> 0:24:27.747

Gildert, Joshua

Alternate page three again uses similar methodology for the checkboxes check versus uncheck.

0:24:30.527 --> 0:24:35.247

Gildert, Joshua

Attributes single line attributes where you enter the value directly into this pop up.

0:24:37.27 --> 0:24:40.467

Gildert, Joshua

This page is not going to have any multi line attributes, it doesn't appear.

0:24:42.347 --> 0:24:51.947

Gildert, Joshua

And some of these fields are left blank because we anticipate this information would be filled in after you print or publish these AutoCAD forms.

0:24:56.127 --> 0:25:0.607

Gildert, Joshua

Again, bottom similar to Page 3, where you have your tables.

0:25:2.107 --> 0:25:8.307

Gildert, Joshua

Headings at the top and then rows 2 through 25 for your soil properties below grade.

0:25:12.807 --> 0:25:24.287

Gildert, Joshua

And finally, we have the alternate design page which is just a blank page, a few

attributes at the top and bottom and a few blank sections for the signature and the date.

0:25:25.787 --> 0:25:34.627

Gildert, Joshua

Again, no viewports, but we would anticipate that a lot of you would use model space to do your drawing and then insert viewports onto this page.

0:25:36.227 --> 0:25:36.867

Gildert, Joshua

To show your drawings.

0:25:39.357 --> 0:25:40.997

Gildert, Joshua

A few final thoughts.

0:25:42.787 --> 0:25:57.227

Gildert, Joshua

For those of you that would be using AutoCAD, this is set up to be print or published using the AutoCAD CTB PEN style that you know is a standard for AutoCAD.

0:26:0.807 --> 0:26:0.927

Gildert, Joshua

Umm.

0:26:3.217 --> 0:26:8.17

Gildert, Joshua

This wouldn't preclude you from using your own pen styles if you wanted to set up.

0:26:8.17 --> 0:26:19.697

Gildert, Joshua

You know, you know, if you have certain drawing layers you want to include in the sheet that are specific to your workflow, having an associated pen style that corresponds to those layers.

0:26:21.307 --> 0:26:23.987

Gildert, Joshua

We don't perceive that being any sort of an issue.

0:26:25.667 --> 0:26:29.267

Gildert, Joshua

Currently there are only the four layers in this document.

0:26:29.867 --> 0:26:32.307

Gildert, Joshua

0 defpoints text in the title block.

0:26:34.667 --> 0:26:42.787

Gildert, Joshua

Title block is that you know this single block in the background that we don't expect you to edit text would be any of the attribute fields.

0:26:44.307 --> 0:26:51.947

Gildert, Joshua

And then the other 20 and DEF points I don't believe have anything in them but are just kind of you know your standard AutoCAD layers.

0:26:56.857 --> 0:27:0.977

Gildert, Joshua

So that is all I have as far as this presentation goes.

0:27:1.297 --> 0:27:2.937

Gildert, Joshua

You know, we're happy to accept questions.

0:27:2.937 --> 0:27:4.57

Gildert, Joshua

We have plenty of time.

0:27:5.547 --> 0:27:7.147

Gildert, Joshua

To, you know, discuss answer questions.

0:27:8.857 --> 0:27:19.817

Gildert, Joshua

Per discussion with Eli, there are a few changes to be made, so we will update this after the PDF form has been updated.

0:27:19.857 --> 0:27:28.617

Gildert, Joshua

Will match any changes to that and then once that's posted the website, the subsurface wastewater team would would inform you all.

0:27:30.107 --> 0:27:31.987

Gildert, Joshua

So happy to answer any questions that you may have.

0:27:37.697 --> 0:27:40.617

Pellegrino, Eli

And it looks like your hand is up. If you want to ask your question.

0:27:44.387 --> 0:27:45.507

Ted Pellerin

Was my hand slaughter.

0:27:46.717 --> 0:27:47.317

Pellegrino, Eli

Oh, is it?

0:27:48.597 --> 0:27:49.837

Ted Pellerin

I couldn't unraise sorry.

0:27:50.687 --> 0:27:52.367

Pellegrino, Eli

No, that's fine, Roger.

0:27:54.527 --> 0:27:56.567

Roger St Amand

Thanks. Thanks Josh for your work on this.

0:27:56.567 --> 0:28:8.127

Roger St Amand

Can you go back to go back to the page with the test pit logs for a second? So each of those each of the blocks is set up as its own text entity essentially, right?

0:28:8.127 --> 0:28:16.647

Roger St Amand

So if you type in a long like, let's say very fine sandy loam under texture, that changes all the the grid lines for me.

0:28:21.757 --> 0:28:23.37

Gildert, Joshua

Yeah, we can definitely.

0:28:21.937 --> 0:28:28.617

Roger St Amand

And I don't know if that and so then it goes down to like, I don't know if it still goes to 48, how that I just noticed.

0:28:28.697 --> 0:28:33.657

Roger St Amand

I wasn't sure about that part like we could just add a text box over it.

0:28:31.407 --> 0:28:31.967

Gildert, Joshua

Yeah, well.

0:28:33.657 --> 0:28:37.17

Roger St Amand

Essentially, we could just do a multi text right over the top of it I guess.

0:28:38.497 --> 0:28:44.377

Gildert, Joshua

Yeah, we can definitely look into adjusting text size so that it stays on one row though.

0:28:44.377 --> 0:28:51.537

Gildert, Joshua

So that's definitely something we can consider before we we publish the updated version to our website.

0:28:52.187 --> 0:28:53.487

Roger St Amand

Sounds good. Thanks.

0:28:53.297 --> 0:28:54.577

Gildert, Joshua

Yeah. Thank you for bringing that up.

0:29:2.427 --> 0:29:12.267

Gildert, Joshua

It looks like Thomas has a question in the chat. At what point will there be an AI program which requires a few data point and the AI can fill it all in?

0:29:14.897 --> 0:29:17.177

Gildert, Joshua

I do not have an answer to that.

0:29:17.577 --> 0:29:21.497

Gildert, Joshua

I don't know if Eli has any thoughts on that.

0:29:22.607 --> 0:29:25.87

Pellegrino, Eli

Probably not from the state anytime soon.

0:29:41.327 --> 0:29:43.247

Pellegrino, Eli

I see a couple hands, I think.

0:29:43.177 --> 0:29:43.577

Gildert, Joshua

Yeah.

0:29:43.247 --> 0:29:45.527

Pellegrino, Eli

Will I see us first?

0:29:48.7 --> 0:29:49.367

Pellegrino, Eli

William O Connor.

0:29:53.577 --> 0:29:56.497

William O'Connor

Thanks so much for the work you guys have put in on these forums.

0:29:56.497 --> 0:29:57.777

William O'Connor

I definitely appreciate it.

0:30:1.17 --> 0:30:8.577

William O'Connor

Our review of the forms yesterday that this particular portion of the new page three is going to have to be redone anyway and there could be a lot simpler.

0:30:10.677 --> 0:30:18.477

William O'Connor

How we input the text into the soil test pit profile logs there rather than be locking us into cells within a table really all.

0:30:20.977 --> 0:30:28.657

William O'Connor

Paper space is the ability to write on top and draw a line, so you could save yourself quite a bit of work by removing that particular functionality.

0:30:30.517 --> 0:30:33.637

William O'Connor

And in space on which we can draw and enter M text.

0:30:38.747 --> 0:30:41.907

Pellegrino, Eli

It sounded like you were cutting in and out there a little bit.

0:30:41.907 --> 0:30:49.67

Pellegrino, Eli

What I thought was that it sounds like we could remove the cells, but I didn't catch what would what it would look like instead.

0:30:52.277 --> 0:30:53.597

William O'Connor

A lot of a lot of what?

0:30:53.917 --> 0:30:59.37

William O'Connor

A lot of what we end up doing in this particular part of the form anyway is we're just drawing.

0:31:1.217 --> 0:31:8.737

William O'Connor

And so I don't think it needs to be as complicated as being a table with fillable cells, but just an area where we can enter.

0:31:11.77 --> 0:31:19.117

William O'Connor

Consistency, color, and redox at whatever size is appropriate to make the form readable. You get, you know, I think if we undo the table.

0:31:18.107 --> 0:31:18.307

Pellegrino, Eli

Mm-hmm.

0:31:21.107 --> 0:31:25.627

William O'Connor

It'd be easier for you guys as the people building the forms and also for the end user.

0:31:28.137 --> 0:31:29.617

Pellegrino, Eli

So do you.

0:31:30.97 --> 0:31:32.497

Pellegrino, Eli

Are you picturing it as like?

0:31:35.917 --> 0:31:38.877

Pellegrino, Eli

Like each one would just be kind of like a blank column.

0:31:39.277 --> 0:31:40.637

Pellegrino, Eli

We would keep the.

0:31:42.557 --> 0:31:45.797

Pellegrino, Eli

The scale on the side, it would just be a blank column for each one.

0:31:44.227 --> 0:31:45.187

William O'Connor

That's it, you.

0:31:47.507 --> 0:31:49.147

William O'Connor

Right. If you look at what we're doing.

0:31:51.157 --> 0:31:58.477

William O'Connor

Existing forms are some very light horizontal lines and the the row sizes are fairly uniform and that is definitely important.

0:32:0.917 --> 0:32:8.837

William O'Connor

A textures column we're describing a lot more with regard to texture and actually color than we're ever going to with consistency or readout.

0:32:11.307 --> 0:32:19.227

William O'Connor

If you had to readjust the width of those columns, I'd also appreciate that just to give us more room for the information that we're actually.

0:32:17.937 --> 0:32:18.137

Pellegrino, Eli

Mm-hmm.

0:32:21.257 --> 0:32:28.777

William O'Connor

Represent. I think that you know, while this all you know, it's hard to strike a balance, but trying to hold to a single font size.

0:32:31.357 --> 0:32:35.797

William O'Connor

Wider columns for consistency and for redox than what we're ever going to need.

0:32:35.837 --> 0:32:38.997

William O'Connor

Maybe just needs to be a bit simpler and simpler for the.

0:32:41.297 --> 0:32:47.177

William O'Connor

From a fillable chart, or almost like you know, lined legal pad paper than anything else.

0:32:47.177 --> 0:32:49.217

William O'Connor

Just my two cents, but I do appreciate all.

0:32:51.367 --> 0:32:51.727

William O'Connor

Honest.

0:32:53.417 --> 0:32:55.57

Pellegrino, Eli

Thanks. That's really helpful feedback.

0:32:59.57 --> 0:33:2.857

Pellegrino, Eli

Alright, Ted, it looks like your hands, if you wanna go ahead.

0:33:2.247 --> 0:33:4.167

Ted Pellerin

Yeah, my, my my question relates.

0:33:4.167 --> 0:33:7.247

Ted Pellerin

Thank you, Ellie. To the the types of cat.

0:33:7.247 --> 0:33:14.927

Ted Pellerin

I'm not an engineer, but I've used Brix CAD for years now for probably 20 years with septic ad software that Steve Marcotte wrote.

0:33:15.487 --> 0:33:17.247

Ted Pellerin

And a bunch of us have done that.

0:33:18.797 --> 0:33:24.357

Ted Pellerin

They that's what we buy for \$800 is a 2D replica of AutoCAD.

0:33:24.477 --> 0:33:30.837

Ted Pellerin

In fact, the DWG's like this forum will import into rxcad I think just fine.

0:33:32.937 --> 0:33:44.337

Ted Pellerin

We can also purchase for four or \$500 AutoCAD Lite which is 2 dimensional software that doesn't have the functionality of AutoCAD but is not \$3000 a year.

0:33:44.377 --> 0:33:48.257

Ted Pellerin

And so my question after all that is, do you?

0:33:48.257 --> 0:33:55.457

Ted Pellerin

Do you think 2D drafting that AutoCAD Lite might provide for site evaluators might suffice.

0:33:56.557 --> 0:33:59.677

Ted Pellerin

For importing these AutoCAD documents, doing our drawings.

0:34:2.727 --> 0:34:11.927

Gildert, Joshua

Yeah. So in my experience when I was doing, you know, production level drafting almost all of my work was in 2D anyway.

0:34:12.597 --> 0:34:22.477

Gildert, Joshua

So even if I had, you know, the full, you know, almost \$3000 version of AutoCAD, AutoCAD, White really suited my needs and I think.

0:34:24.527 --> 0:34:31.887

Gildert, Joshua

Would easily handle the needs of you know what you would need to do for drawings on this form.

0:34:35.907 --> 0:34:36.267

Ted Pellerin

Thank you.

0:34:40.837 --> 0:34:41.837

Pellegrino, Eli

Roger, if you wanna go.

0:34:43.107 --> 0:34:44.987

Roger St Amand

Yeah, just responding to that.

0:34:44.987 --> 0:34:50.27

Roger St Amand

It's a Ted's comment. The only thing is, I don't think you can run a list routine in AutoCAD Lite.

0:34:50.587 --> 0:34:51.147

Roger St Amand

The Lt.

0:34:51.227 --> 0:34:59.467

Roger St Amand

I'm not sure if that's still didn't used to be able to, so if someone's buying Lt. and they want to run septicad, that could be a issue.

0:35:0.887 --> 0:35:5.287

Roger St Amand

Because that that runs on a list routine LSP, which is the AutoCAD programming language, so.

0:35:6.477 --> 0:35:7.757

Roger St Amand

Just a comment, thanks.

0:35:7.537 --> 0:35:8.617

Gildert, Joshua

Yeah, definitely.

0:35:8.617 --> 0:35:9.657

Gildert, Joshua

Good information.

0:35:12.817 --> 0:35:14.297

Pellegrino, Eli

Robert, I see your hand is up.

0:35:16.267 --> 0:35:17.307

Robert Lightbody

Hi, good afternoon.

0:35:19.47 --> 0:35:23.87

Robert Lightbody

So I'm like an engineer by trade, so I use AutoCAD a lot.

0:35:24.767 --> 0:35:29.527

Robert Lightbody

And I'm dorky enough that I created my own AutoCAD form.

0:35:29.847 --> 0:35:45.167

Robert Lightbody

And to Josh's point, I've been using and I created my own sheet, one as a PDF, and I've been using sheet one as a PDF and then using. I've created sheets two and three, and I've made my own sheet 4.

0:35:45.927 --> 0:35:47.127

Robert Lightbody

In AutoCAD.

0:35:49.7 --> 0:35:55.687

Robert Lightbody

And to a gentleman's comment earlier about the the tables on what what you've got displayed now.

0:35:56.327 --> 0:36:3.247

Robert Lightbody

So what I've done and the reason I made my own forms is because I have everything layers right.

0:36:3.247 --> 0:36:5.567

Robert Lightbody

So I have my own plot style, my own plot setting.

0:36:5.807 --> 0:36:12.887

Robert Lightbody

So that's what drove me to do that and I and Josh also touched on that. I've just created blocks.

0:36:13.367 --> 0:36:14.527

Robert Lightbody

So for instance on.

0:36:17.367 --> 0:36:34.327

Robert Lightbody

Those two columns there, those two soil profile description tables I've just created blocks and what a gentleman said earlier. I just go in and I do a line and I just add text M text so you know if I have a, you know, a change in color it.

0:36:34.327 --> 0:36:42.287

Robert Lightbody

6 inches. I'll. I'll draw a line in the color box at six inches and I just put, you know, Brown, just as a simple text.

0:36:43.47 --> 0:36:44.847

Robert Lightbody

And I that's exactly how I do my tables.

0:36:45.277 --> 0:36:48.277

Robert Lightbody

Oh, every time I open a drawing, I'm just really in.

0:36:48.277 --> 0:36:50.277

Robert Lightbody

The beauty of that is I can just copy.

0:36:50.477 --> 0:37:7.87

Robert Lightbody

So if I have, you know, one site that's virtually the same as another, I can go through and I can almost just you know basically copy with a base point those descriptions and everything and just put it right into another another document and paste original coordinates or you.

0:37:7.87 --> 0:37:9.517

Robert Lightbody

Know just so my text is there.

0:37:10.607 --> 0:37:15.47

Robert Lightbody

All those boxes I I do like the, you know, fillable portion of it.

0:37:15.477 --> 0:37:17.317

Robert Lightbody

But I literally just, you know, edit it.

0:37:18.77 --> 0:37:22.37

Robert Lightbody

You know, change it two to three or whatever, because that's what works for me.

0:37:23.527 --> 0:37:28.887

Robert Lightbody

But I I think there's definitely a much simpler way and probably a little cleaner way, at least to do those two tables.

0:37:30.527 --> 0:37:33.887

Robert Lightbody

That's just my dorky engineer and me.

0:37:35.87 --> 0:37:45.167

Robert Lightbody

But I I do definitely think there's some opportunities here to to streamline this in AutoCAD and I will be absolutely happy to send you what I've done and you can explore.

0:37:45.797 --> 0:37:46.477

Robert Lightbody

Load em.

0:37:46.477 --> 0:37:46.527

Robert Lightbody

Look at em.

0:37:46.527 --> 0:37:49.77

Robert Lightbody

It's just like I said, they're all on my plot style.

0:37:49.717 --> 0:37:50.877

Robert Lightbody

That's why I did it that way.

0:37:54.287 --> 0:37:55.7

Gildert, Joshua

Yeah, definitely.

0:37:55.7 --> 0:37:55.647

Gildert, Joshua

Thank you.

0:37:55.687 --> 0:37:59.287

Gildert, Joshua

Good information and yeah, I'd be happy to take a look at what you what you have done.

0:38:2.627 --> 0:38:3.267

Robert Lightbody

Thank you.

0:38:17.387 --> 0:38:22.67

Pellegrino, Eli

Does anyone have any other questions before we wrap things up?

0:38:30.557 --> 0:38:33.237

Pellegrino, Eli

Well, thank you so much for your questions and feedback today.

0:38:33.237 --> 0:38:40.717

Pellegrino, Eli

We really appreciate it. And just as a reminder, keep a lookout.

0:38:43.97 --> 0:38:43.417

Pellegrino, Eli

OK.

0:38:44.537 --> 0:38:47.537

Pellegrino, Eli

I saw Roger. You have a comment in the chat?

0:38:47.537 --> 0:38:51.777

Pellegrino, Eli

Keep a lookout on the web page that I linked.

0:38:51.777 --> 0:38:54.657

Pellegrino, Eli

That's where yesterday's training is going to go up.

0:38:54.937 --> 0:39:9.937

Pellegrino, Eli

Any changes to the forms are going to go up there. Probably. I'll have our Webmaster put some sort of comment so that you know that they've changed and otherwise for those of you coming to Brent's training on Monday, we will see you then.

0:39:10.647 --> 0:39:10.967

Pellegrino, Eli

Thank you so much.

0:39:14.67 --> 0:39:14.867

Gildert, Joshua

Thank you all, bye.