

0:0:7.935 --> 0:0:8.655

Pellegrino, Eli

Hi everyone.

0:0:9.255 --> 0:0:15.335

Pellegrino, Eli

We're gonna start in a few minutes just to let some more folks trickle in.

0:0:15.455 --> 0:0:18.855

Pellegrino, Eli

We have 64 people in right now.

0:0:18.895 --> 0:0:25.55

Pellegrino, Eli

That's about half the amount that we have registered. So just wanna give everyone a little bit more time.

0:0:25.215 --> 0:0:29.95

Pellegrino, Eli

This is a good time to test your camera your microphone.

0:0:29.95 --> 0:0:34.135

Pellegrino, Eli

Get familiar with teams if you are not familiar with using the chat function.

0:0:34.895 --> 0:0:36.735

Pellegrino, Eli

It might be useful to find the chat right now.

0:0:37.365 --> 0:0:40.565

Pellegrino, Eli

You can find it in the banner at the top of your screen.

0:0:40.965 --> 0:0:53.325

Pellegrino, Eli

It says it's an icon that just says chat underneath it and then the other thing to pay attention to tech wise right now is making sure that you can see the slide that Brent currently has up.

0:0:53.325 --> 0:0:57.685

Pellegrino, Eli

It says December 2025 basic septic training with.

0:0:59.335 --> 0:1:0.535

Pellegrino, Eli

A very funny picture.

0:1:2.415 --> 0:1:6.335

Pellegrino, Eli

With the slide show function that we're using in teams, you can scroll.

0:1:6.685 --> 0:1:22.45

Pellegrino, Eli

Through the slides and you can see what's coming up. If you want to go back and make sure that you're seeing what Brent is actually seeing on his screen, there's a button that says live sync to presenter and you just click that and it'll bring you back to.

0:1:22.45 --> 0:1:23.885

Pellegrino, Eli

Where Brent is in the slides.

0:1:27.665 --> 0:1:30.505

BRUCE D. LABBE

Hey, good morning, Brent, Bruce, lobby.

0:1:29.975 --> 0:1:30.655

Lawson, Brent

Good morning.

0:1:32.295 --> 0:1:32.935

BRUCE D. LABBE

You're feeling good.

0:1:32.625 --> 0:1:34.305

Lawson, Brent

How are you? How are you?

0:1:34.305 --> 0:1:35.145

Lawson, Brent

Yeah, yeah.

0:1:36.125 --> 0:1:36.685

BRUCE D. LABBE

Awesome.

0:1:36.895 --> 0:1:39.95

Lawson, Brent

So far so good. Knock on wood.

0:1:38.975 --> 0:1:39.695

BRUCE D. LABBE

Good Sir.

0:1:59.285 --> 0:2:6.45

Lawson, Brent

Yeah, Eli commented on one of the chat things before -12° in northern Maine, huh?

0:2:8.895 --> 0:2:8.975

Lawson, Brent

EW.

0:2:16.355 --> 0:2:17.315

Rebecca Albright

Good morning, Brent.

0:2:18.505 --> 0:2:19.25

Lawson, Brent

Good morning.

0:2:19.25 --> 0:2:19.705

Lawson, Brent

How are you?

0:2:20.265 --> 0:2:21.145

Rebecca Albright

Good. How are you?

0:2:21.445 --> 0:2:23.125

Lawson, Brent

Good, good, very well.

0:2:23.615 --> 0:2:23.775

Rebecca Albright

Good.

0:2:58.55 --> 0:3:6.615

Pellegrino, Eli

I just put this in the chat, but if you have multiple people viewing on on screen, could you please shoot me an e-mail with everyone who is attending and their emails?

0:3:1.255 --> 0:3:1.575

BRUCE D. LABBE

No.

0:3:6.655 --> 0:3:9.655

Pellegrino, Eli

I just need that for issuing certificates later this week.

0:3:17.205 --> 0:3:18.685

jeff kilburn

A mute of human like this.

0:3:22.145 --> 0:3:22.745

BRUCE D. LABBE

Hey, Brad.

0:3:26.105 --> 0:3:26.745

Lawson, Brent

Hello.

0:3:26.225 --> 0:3:26.785

BRUCE D. LABBE

Brett.

0:3:28.175 --> 0:3:28.295

Nick Melcher and Bryce Werzanski and Ben Knapp

Hey.

0:3:28.815 --> 0:3:32.575

BRUCE D. LABBE

What I'd like to do after the training is I'd like to send you some pictures.

0:3:32.575 --> 0:3:36.415

BRUCE D. LABBE

I'm working on a health facility right now.

0:3:38.215 --> 0:3:39.495

BRUCE D. LABBE

Running into quite a few things.

0:3:41.135 --> 0:3:45.775

BRUCE D. LABBE

And I'll send you the pictures and then I'll we'll be able to talk on each one.

0:3:46.445 --> 0:3:47.125

Lawson, Brent

Yeah. OK.

0:3:47.125 --> 0:3:47.685

Lawson, Brent

That's good.

0:3:48.125 --> 0:3:53.45

BRUCE D. LABBE

So I want no time here, which I'd like to, but let me get my cat scale out of here.

0:3:53.45 --> 0:3:55.645

BRUCE D. LABBE

Come on, come on.

0:3:56.315 --> 0:3:56.995

BRUCE D. LABBE

Come on, let's go.

0:3:56.995 --> 0:3:57.515

BRUCE D. LABBE

Come on, come on, come on.

0:3:58.835 --> 0:3:59.115

BRUCE D. LABBE

Let's go.

0:4:1.135 --> 0:4:1.295

BRUCE D. LABBE

OK.

0:4:13.885 --> 0:4:13.925

Angie Chamberlain

I.

0:4:17.335 --> 0:4:19.695

Angie Chamberlain

It's like.

0:4:35.735 --> 0:4:35.815

Angie Chamberlain

Ah.

0:4:38.925 --> 0:4:39.605

Angie Chamberlain

You don't want it.

0:4:39.605 --> 0:4:43.325

Angie Chamberlain

That's OK if I thought it would just be black, but Oh no, it's alright. OK.

0:4:49.75 --> 0:4:51.595

Mark Arsenaault

Good morning, Mr. Lawson. Happy Monday.

0:4:51.905 --> 0:4:53.785

Lawson, Brent

Yay, happy Monday.

0:4:55.255 --> 0:4:55.735

Lawson, Brent

Mr. osnell.

0:4:56.5 --> 0:4:56.885

Mark Arsenaunt

Remember, no.

0:4:56.885 --> 0:4:58.5

Mark Arsenaunt

Monday, no Friday.

0:4:58.5 --> 0:4:59.405

Mark Arsenaunt

So we need the Monday.

0:4:59.445 --> 0:5:1.365

Lawson, Brent

Yeah, that's right, exactly.

0:5:9.375 --> 0:5:13.695

Pellegrino, Eli

Alright, it's 905 and we have 85 people here. So I think we are good to start.

0:5:14.255 --> 0:5:15.615

Pellegrino, Eli

My name is Eli Pellegrino.

0:5:15.615 --> 0:5:29.375

Pellegrino, Eli

I help process the permits for the state, along with Barrett, Cosgrove and I will be keeping an eye on the chat today and the technical portion of the webinar, but you won't see me too much outside of that.

0:5:29.935 --> 0:5:33.375

Pellegrino, Eli

And Brent obviously is going to be the.

0:5:34.175 --> 0:5:35.775

Pellegrino, Eli

Presenter today and I will hand it over to him.

0:5:38.105 --> 0:5:38.905

Lawson, Brent

Good morning.

0:5:38.905 --> 0:5:40.425

Lawson, Brent

Hopefully everybody is well.

0:5:42.415 --> 0:5:47.455

Lawson, Brent

So we're going to start right now, I guess. So as you can see, we have a stool sample.

0:5:50.375 --> 0:5:52.655

Lawson, Brent

So basically my name is Brent Lawson.

0:5:53.255 --> 0:5:56.655

Lawson, Brent

I'm the state site evaluator slash plumbing inspector.

0:5:57.175 --> 0:6:6.735

Lawson, Brent

What I do is I oversee the site, evaluators and the plumbing inspectors and I'm responsible for approving or denying bearings to the subsurface wastewater rules.

0:6:8.655 --> 0:6:10.375

Lawson, Brent

I also do site visits.

0:6:10.855 --> 0:6:18.175

Lawson, Brent

I also conduct a site evaluator exam. The written exam in the springtime and the pit exam in the fall.

0:6:20.335 --> 0:6:25.335

Lawson, Brent

And on one of these slides, you'll see what we do for the pit exam, just to give you an idea.

0:6:28.805 --> 0:6:31.85

Lawson, Brent

The state agency that I work for.

0:6:31.205 --> 0:6:34.925

Lawson, Brent

Is responsible for the subsurface wastewater disposal rules.

0:6:35.205 --> 0:6:42.205

Lawson, Brent

Is the Department of Health and Human Services, which is basically the main Center for Disease Control and prevention.

0:6:43.725 --> 0:6:45.605

Lawson, Brent

There's the address right there.

0:6:48.15 --> 0:6:51.175

Lawson, Brent

This is the cover of our rule book.

0:6:52.445 --> 0:6:54.45

Lawson, Brent

And this is.

0:6:55.285 --> 0:7:6.85

Lawson, Brent

The last amended version of it, so if you don't have that, this is what you need to go by contractors and plumbing inspectors and site evaluators.

0:7:7.205 --> 0:7:15.685

Lawson, Brent

The I believe a copy of this is on our website, which I will be showing what where that is here shortly.

0:7:17.335 --> 0:7:18.855

Lawson, Brent

But this is what you got to go by.

0:7:20.525 --> 0:7:22.205

Lawson, Brent

There you go. That's our homepage.

0:7:24.535 --> 0:7:27.535

Lawson, Brent

I know you can come back to this or you can write it down right now.

0:7:27.535 --> 0:7:28.455

Lawson, Brent

I'll give you a few minutes.

0:7:31.375 --> 0:7:33.455

Lawson, Brent

But yeah, this was all adopted.

0:7:33.455 --> 0:7:34.495

Lawson, Brent

We're gonna go over.

0:7:36.135 --> 0:7:40.535

Lawson, Brent

In a little while, what the rule changes were in 2023.

0:7:42.215 --> 0:7:49.815

Lawson, Brent

So and since this is 2025, this has been in effect for two years and there's still quite a few people who don't know.

0:7:50.765 --> 0:7:53.245

Lawson, Brent

So that's why we're putting this on there too, so.

0:7:56.815 --> 0:8:1.175

Lawson, Brent

The code is the state of Maine's minimum requirements.

0:8:1.215 --> 0:8:5.775

Lawson, Brent

Basically, what that means is a site evaluator may design over and above.

0:8:7.255 --> 0:8:10.255

Lawson, Brent

Whatever the design requirements are in the code.

0:8:10.295 --> 0:8:22.535

Lawson, Brent

So, for instance, if 1000 gallon septic tank is needed, the site evaluator is within their authorization to design A 1500 gallon septic tank.

0:8:23.385 --> 0:8:31.705

Lawson, Brent

Or if it requires 12 inches of stone, maybe the site of a way that will design 15 inch of the stone. That doesn't happen very often.

0:8:31.705 --> 0:8:39.185

Lawson, Brent

But This is why you also need to pay attention to whatever the site evaluated designs on the 200 form.

0:8:39.185 --> 0:8:43.985

Lawson, Brent

Because it could be different from what the rulebook says now, the site evaluate it can.

0:8:43.985 --> 0:8:47.665

Lawson, Brent

Design can't be any less stringent.

0:8:48.415 --> 0:8:50.575

Lawson, Brent

More stringent than the than the code book is.

0:8:51.45 --> 0:8:54.405

Lawson, Brent

As well as a plumbing inspectors with their ordinances.

0:8:55.815 --> 0:8:56.135

Lawson, Brent

As long as.

0:8:57.815 --> 0:9:0.895

Lawson, Brent

They're, you know, more stringent than we are and that's fine.

0:9:3.405 --> 0:9:13.165

Lawson, Brent

If a specific rule is not shown or noted on the HHE 200 form, for instance, like Verizon's, the rule still needs to be followed.

0:9:13.245 --> 0:9:28.285

Lawson, Brent

So basically what you have is a septic tank that's a top view of it, and then there's a side view. Now when we go over the new rules that were enacted in 2/20/23, it's gonna show you that.

0:9:29.95 --> 0:9:31.815

Lawson, Brent

At least one riser has to go to grade.

0:9:32.535 --> 0:9:33.455

Lawson, Brent

This is one that.

0:9:33.805 --> 0:9:37.245

Lawson, Brent

Really isn't being followed as much as we hoped it would be.

0:9:37.735 --> 0:9:42.815

Lawson, Brent

But it's still in the rule book, and it has to be done like this. So basically.

0:9:44.255 --> 0:9:50.575

Lawson, Brent

The horizon needs to be located over the area or the hole where it's pumped.

0:9:52.775 --> 0:10:0.935

Lawson, Brent

And of course, if there's a filter or a pump in the septic tank, another riser beside that has to go up to grade as well.

0:10:1.615 --> 0:10:6.655

Lawson, Brent

So just remember that that like when you're inspecting and this is one of the things that.

0:10:6.845 --> 0:10:22.765

Lawson, Brent

But a lot of times the site evaluators won't show the septic tank on the 200 form, which is fine because a lot of times that you know if a site evaluate that puts it in a in a certain location and those tie points to that septic T.

0:10:23.485 --> 0:10:26.445

Lawson, Brent

Then the LPI can't move it, or the contractor can't move it.

0:10:26.845 --> 0:10:29.685

Lawson, Brent

But if there's no tie, points to it and it still shows.

0:10:31.175 --> 0:10:32.695

Lawson, Brent

The location of a septic tank.

0:10:34.415 --> 0:10:36.255

Lawson, Brent

It is within the LP is authority.

0:10:36.975 --> 0:10:50.575

Lawson, Brent

They can approve a different location because you know a lot of times, maybe there's ledge or it's just not feasible or you know, the plumbing goes out a different wall, something like that. But it is.

0:10:50.575 --> 0:10:52.295

Lawson, Brent

The LP is authority. They can approve something like that.

0:10:53.85 --> 0:10:55.805

Lawson, Brent

But there still has to be the the rise, it still has to be on.

0:10:57.925 --> 0:11:0.965

Lawson, Brent

So basically your basic septic system is this.

0:11:0.965 --> 0:11:3.605

Lawson, Brent

It's, you know, you and a lot of you already know this.

0:11:4.5 --> 0:11:12.925

Lawson, Brent

It's the, you know, the pipe coming out of the house, going to the septic tank, going to AD box or AT and then going to a disposal field.

0:11:14.415 --> 0:11:15.935

Lawson, Brent

Which filtrates it down into the soil.

0:11:17.615 --> 0:11:18.975

Lawson, Brent

This one is actually a stone bed.

0:11:18.975 --> 0:11:21.655

Lawson, Brent

You know, there's a number of different products out there.

0:11:21.655 --> 0:11:27.135

Lawson, Brent

Elgin end drains infiltrators Presby there's just a lot of different stuff.

0:11:27.965 --> 0:11:32.805

Lawson, Brent

All of those have to be installed by the manufactured specifications.

0:11:33.845 --> 0:11:41.5

Lawson, Brent

So if you don't have a book on those and you get one of those plans coming in, you can go right online and get an installation book.

0:11:41.285 --> 0:11:43.85

Lawson, Brent

That's what you should expect it by.

0:11:45.415 --> 0:11:49.535

Lawson, Brent

There are only a few slides that deal with the internal plumbing in this.

0:11:51.55 --> 0:11:54.135

Lawson, Brent

Some may well the reason why is because.

0:11:55.775 --> 0:12:1.775

Lawson, Brent

A lot of it may affect the contractor different things that they are doing that they shouldn't be doing.

0:12:3.455 --> 0:12:4.695

Lawson, Brent

Here's one of them.

0:12:4.695 --> 0:12:10.95

Lawson, Brent

This is just one that Mister Potato Head left something at home, so he can't go to the bathroom so.

0:12:12.95 --> 0:12:13.215

Lawson, Brent

This is a very.

0:12:15.25 --> 0:12:16.585

Lawson, Brent

Certified system installers.

0:12:19.255 --> 0:12:20.575

Lawson, Brent

If you're here for this.

0:12:23.95 --> 0:12:36.935

Lawson, Brent

You have, you know, the program, a certified installers you have to attend one full day of training and you have to have two HHE 200 forms.

0:12:38.365 --> 0:12:41.125

Lawson, Brent

Signed by the plumbing inspector that has been inspected.

0:12:42.655 --> 0:12:42.775

Lawson, Brent

Umm.

0:12:44.725 --> 0:13:3.85

Lawson, Brent

And you know the certification is valid for 55 calendar years. And along with that certification, the certified installers attended at least six hours of installation trainings within those five years to get recertified.

0:13:4.615 --> 0:13:13.415

Lawson, Brent

So the first one is a full day to get recertified within those five years, you have to take another one at least six hours and you know that includes.

0:13:13.765 --> 0:13:16.245

Lawson, Brent

Erosion control through John McClain.

0:13:16.795 --> 0:13:18.675

Lawson, Brent

Or, you know, anything like that.

0:13:20.175 --> 0:13:23.935

Lawson, Brent

They're all, if, if you're wondering if a certain.

0:13:26.975 --> 0:13:28.335

Lawson, Brent

Program offers.

0:13:30.55 --> 0:13:39.175

Lawson, Brent

Credits towards your certified certification. Then just give me an e-mail or just give me a call or something like that and we can go over it.

0:13:39.175 --> 0:13:43.735

Lawson, Brent

The first inspection is waived with prior to prior LPI approval.

0:13:44.365 --> 0:13:51.765

Lawson, Brent

Now, This is why, of course most of you get the certification and so you can just wave the first inspection and keep on going.

0:13:51.845 --> 0:13:57.525

Lawson, Brent

But that has to be approved by the plumbing inspector 1st and in order to do that.

0:14:0.215 --> 0:14:2.175

Lawson, Brent

That's that's a renewal right there.

0:14:2.175 --> 0:14:3.135

Lawson, Brent

We just wanna over that.

0:14:6.655 --> 0:14:13.535

Lawson, Brent

This form +2 signed copies of page. One of the Ajj 200 form this form which is on our website.

0:14:15.375 --> 0:14:23.335

Lawson, Brent

Has to be emailed to me along with those two HPE 200 forms.

0:14:25.135 --> 0:14:27.295

Lawson, Brent

If you don't do that, you won't get certified.

0:14:28.55 --> 0:14:38.255

Lawson, Brent

This is what we need for verification that you did what you did, you know, with the

program and all that stuff. And it also has your information that we need for our database.

0:14:38.815 --> 0:14:47.975

Lawson, Brent

So you know, a handful of people from last time. So I didn't get my certification yet. Well, did you?

0:14:47.975 --> 0:14:49.335

Lawson, Brent

You know, mail in what you spoke.

0:14:49.335 --> 0:14:49.775

Lawson, Brent

Well, no.

0:14:49.775 --> 0:14:54.295

Lawson, Brent

Well, that's why. So make sure you mail that form and filled out.

0:14:55.55 --> 0:14:58.175

Lawson, Brent

Or e-mail that form and when it's filled out along with two.

0:14:58.725 --> 0:15:1.365

Lawson, Brent

HAT 200 forms and.

0:15:5.335 --> 0:15:7.535

Lawson, Brent

That'll get you where you need to go.

0:15:9.295 --> 0:15:10.815

Lawson, Brent

Final inspection must be signed off.

0:15:11.615 --> 0:15:13.55

Lawson, Brent

This is important as well.

0:15:14.695 --> 0:15:15.15

Lawson, Brent

This is.

0:15:18.475 --> 0:15:21.595

Lawson, Brent

Form that again is on our website.

0:15:25.655 --> 0:15:29.55

Lawson, Brent

And that has to be signed by the plumbing inspector.

0:15:30.615 --> 0:15:33.735

Lawson, Brent

This is to allow you to waive the first inspection.

0:15:35.455 --> 0:15:49.655

Lawson, Brent

If this isn't on file with the plumbing inspector and the contractor says well, he said I could do it and the plumbing inspect said no, I can't. We have nothing to go on because you did not sign this. You didn't fill this out as far as our DEP.

0:15:49.935 --> 0:15:52.215

Lawson, Brent

Goes like I said, we have.

0:15:52.255 --> 0:15:53.935

Lawson, Brent

We have nothing that proves, he said that.

0:15:55.155 --> 0:16:3.95

Lawson, Brent

This backs up the contractor and the plumbing inspector and it just allows both of you guys to know what's going on.

0:16:3.765 --> 0:16:4.285

Lawson, Brent

So.

0:16:5.925 --> 0:16:12.5

Lawson, Brent

This should be stapled to the Hue 200 form when you inspect it.

0:16:15.55 --> 0:16:24.15

Lawson, Brent

So yeah, I mean, that's all I can say this this has been, you know, numerous times where the plumbing inspector has said, well, you know, I failed it because he didn't.

0:16:24.215 --> 0:16:28.975

Lawson, Brent

He covered it up before I could do the first inspection and then you talk to the contractor, he said.

0:16:28.975 --> 0:16:29.495

Lawson, Brent

Well, he said.

0:16:29.495 --> 0:16:30.55

Lawson, Brent

I could do it.

0:16:30.55 --> 0:16:32.255

Lawson, Brent

Well, where's the paperwork?

0:16:33.15 --> 0:16:33.735

Lawson, Brent

There isn't none.

0:16:33.735 --> 0:16:34.975

Lawson, Brent

So sorry.

0:16:35.365 --> 0:16:36.445

Lawson, Brent

Wait, it's where he goes.

0:16:37.65 --> 0:16:38.625

Lawson, Brent

So just make sure you do that.

0:16:42.685 --> 0:16:45.85

Lawson, Brent

See construct. Whoops.

0:16:43.565 --> 0:16:45.325

Pellegrino, Eli

Hey bro, there's two.

0:16:45.925 --> 0:16:47.365

Pellegrino, Eli

There are two questions in the chat.

0:16:47.855 --> 0:16:48.135

Lawson, Brent

OK.

0:16:47.925 --> 0:16:54.365

Pellegrino, Eli

One is how far does schedule 40 pipe need to extend beyond the house? I usually go to the tank.

0:16:55.485 --> 0:17:2.125

Pellegrino, Eli

And the other is, are there any plans to move from a voluntary contractor program to a mandatory contractor certification?

0:16:55.635 --> 0:16:56.75

Lawson, Brent

That's right.

0:17:3.565 --> 0:17:10.285

Lawson, Brent

That second question, I think that's in the works and that's what I think would be prominent to do so.

0:17:10.285 --> 0:17:12.125

Lawson, Brent

But we'll still, we'll talking about it.

0:17:12.125 --> 0:17:16.5

Lawson, Brent

But the first one is, yeah, schedule 40 all the way to the septic tank.

0:17:16.365 --> 0:17:17.805

Lawson, Brent

Now schedule 40.

0:17:19.565 --> 0:17:24.485

Lawson, Brent

Basically, the reason why contractors do that. I'm sure as you know 'cause, it's a lot easier.

0:17:24.685 --> 0:17:26.565

Lawson, Brent

Just one length of pipe. Boom, boom, boom.

0:17:28.935 --> 0:17:33.455

Lawson, Brent

I believe I'll have to, you know, double check on this, but I believe that.

0:17:35.95 --> 0:17:45.255

Lawson, Brent

Schedule 35 can be done after the two feet because internal plumbing goes 2 feet out of the house and that two feet has to be scheduled 40.

0:17:46.935 --> 0:17:47.775

Lawson, Brent

It's just it.

0:17:47.775 --> 0:17:49.95

Lawson, Brent

It seems to be a pain.

0:17:49.805 --> 0:17:54.885

Lawson, Brent

To adapt that to schedule 35 to the septic tank, but I believe it's schedule 40 so.

0:17:56.375 --> 0:17:58.855

Lawson, Brent

But I can double check on that if if you want me to.

0:18:2.375 --> 0:18:6.255

Lawson, Brent

So the other thing is the contractor is responsible for.

0:18:8.175 --> 0:18:13.55

Lawson, Brent

The whole system as they're installing it and the soil that they're installing it on.

0:18:13.495 --> 0:18:18.695

Lawson, Brent

So if you go we got slides with this too. So I'll, I'll just keep on going.

0:18:19.45 --> 0:18:19.205

Lawson, Brent

4.

0:18:20.85 --> 0:18:24.165

Lawson, Brent

How to get certified and recertified in erosion control?

0:18:24.525 --> 0:18:28.285

Lawson, Brent

This is the person, an e-mail and phone number of John McClain.

0:18:28.965 --> 0:18:38.245

Lawson, Brent

He does the erosion controls and basically without this you cannot work in the shoreland zone as a contractor.

0:18:38.725 --> 0:18:40.285

Lawson, Brent

You need this now.

0:18:41.775 --> 0:18:44.415

Lawson, Brent

I know this is up to the plumbing inspector to check.

0:18:44.415 --> 0:18:46.735

Lawson, Brent

Sometimes it gets overlooked, sometimes it doesn't.

0:18:47.255 --> 0:18:54.55

Lawson, Brent

But just to let you know, you need that certification to work on the show land zone so.

0:18:55.815 --> 0:19:8.855

Lawson, Brent

The way this could come around and bite you in the \*\*\* is if you're working in the show land zone and it's all done and something happens and you know an investigation comes to play and you find out.

0:19:9.205 --> 0:19:12.325

Lawson, Brent

Oh, you're not in the shoreland zone. You know, I don't know what would happen.

0:19:13.395 --> 0:19:16.115

Lawson, Brent

But I wouldn't take that chance anyway. 'cause. That's all DEP.

0:19:16.965 --> 0:19:20.285

Lawson, Brent

You know, they could find you. Or they could whatever they want to do.

0:19:20.325 --> 0:19:24.5

Lawson, Brent

But I it doesn't take that much to get certified.

0:19:25.855 --> 0:19:33.55

Lawson, Brent

And if you take that plus this course, you'll be certified in both erosion control and certified installers.

0:19:37.245 --> 0:19:48.725

Lawson, Brent

Alternative toilet, a device other than a water closet or other fixture located inside of a structure designed to treat or more or store human waste.

0:19:48.885 --> 0:19:53.125

Lawson, Brent

Only examples of piperbes and ball privies now.

0:19:53.125 --> 0:19:55.805

Lawson, Brent

The ones inside the house are composting toilets.

0:19:57.335 --> 0:20:2.695

Lawson, Brent

Incinerated toilets and there are other ones too, but those are the basically the two.

0:20:4.335 --> 0:20:7.135

Lawson, Brent

Most portable toilets are not considered alternative toilets.

0:20:8.75 --> 0:20:10.275

Lawson, Brent

As they are only for temporary use.

0:20:11.365 --> 0:20:14.485

Lawson, Brent

And a prefabricated toilet designed for temporary use.

0:20:14.485 --> 0:20:19.685

Lawson, Brent

It says it right there for special functions, work sites, outdoor gatherings, etc.

0:20:21.195 --> 0:20:24.515

Lawson, Brent

Now there was. We tried to push, put something through.

0:20:26.515 --> 0:20:39.235

Lawson, Brent

That had alternative toilets, like prefabricated toilets like this can be used for seven days

other than construction sites and but if they use more than seven days, it has to have the LP is permission.

0:20:40.105 --> 0:20:46.785

Lawson, Brent

In writing that portable toilet company prefabricated toilet company.

0:20:48.675 --> 0:20:50.755

Lawson, Brent

Came in and they said they don't like that.

0:20:52.715 --> 0:20:55.155

Lawson, Brent

The legislature just crossed it out.

0:20:55.155 --> 0:21:0.35

Lawson, Brent

So basically we're back to the same rules that we had before.

0:21:1.675 --> 0:21:2.955

Lawson, Brent

According to prefabricated toilets.

0:21:4.595 --> 0:21:8.35

Lawson, Brent

Which are just for social functions, work sites, outdoor gatherings.

0:21:8.945 --> 0:21:10.825

Lawson, Brent

And stuff like that.

0:21:14.465 --> 0:21:17.985

Lawson, Brent

So this is so there's your foundation, there's your.

0:21:17.985 --> 0:21:26.305

Lawson, Brent

There's your pipe 2 feet outside of that foundation is where the internal plumbing stops.

0:21:26.585 --> 0:21:27.865

Lawson, Brent

So that's internal then.

0:21:27.865 --> 0:21:29.665

Lawson, Brent

After that, it's all subsurface.

0:21:30.345 --> 0:21:34.345

Lawson, Brent

So there's your line right there. Now in saying that.

0:21:37.25 --> 0:21:38.75

Lawson, Brent

I see.

0:21:38.75 --> 0:21:41.105

Lawson, Brent

I I can't hear you. So I'm just gonna ask the question and give you the answer.

0:21:42.555 --> 0:21:44.715

Lawson, Brent

Who can put that pipe through the foundation wall?

0:21:46.395 --> 0:21:48.835

Lawson, Brent

Can a contractor put it through like they usually do?

0:21:48.875 --> 0:21:49.875

Lawson, Brent

No they can't.

0:21:50.515 --> 0:21:56.195

Lawson, Brent

You need to have a master plumber's license in order to go through that 2 feet, because that's internal plumbing.

0:21:57.235 --> 0:22:6.475

Lawson, Brent

Now we leave that totally up to the plumbing inspector, but the rules say that the contractor, unless they have a master plumber license.

0:22:7.505 --> 0:22:12.265

Lawson, Brent

Or the homeowner can do it, can only go to that line from the septic tank.

0:22:15.925 --> 0:22:19.725

Pellegrino, Eli

Hey man, we have a question in the chat and then also somebody with a hand raise.

0:22:20.565 --> 0:22:25.765

Pellegrino, Eli

So the question from the chat is why does the state have the HH E200A?

0:22:26.285 --> 0:22:35.405

Pellegrino, Eli

But there's also a section on the regular HG 200 for a tank replacement. Shouldn't a tank replacement require that an SE size it properly and meet your setbacks?

0:22:36.825 --> 0:22:45.705

Lawson, Brent

Yes, it has to be that done that way. But the only time it doesn't have to be done that way is if that tank is being replaced in the exact same location.

0:22:46.225 --> 0:22:56.505

Lawson, Brent

All the setbacks are met and all that stuff you can use just that single form otherwise not if that's getting moved the site evaluate would have to do that to make sure all the setbacks are being done.

0:23:0.95 --> 0:23:2.695

Pellegrino, Eli

Thanks. And then I see, Bruce, you have your hand up?

0:23:1.195 --> 0:23:1.635

Lawson, Brent

Yeah.

0:23:2.775 --> 0:23:3.675

Pellegrino, Eli

Do you have a question?

0:23:4.595 --> 0:23:8.235

BRUCE D. LABBE

Yes, I I'm going to the Porta potty.

0:23:8.875 --> 0:23:13.555

BRUCE D. LABBE

Did they change a rule about now they can leave it there as long as it is maintained.

0:23:15.255 --> 0:23:18.695

Lawson, Brent

Yep, it's back to the same what it was before the rules change.

0:23:22.415 --> 0:23:24.175

BRUCE D. LABBE

So they can or they can't.

0:23:25.225 --> 0:23:27.385

Lawson, Brent

Well, are you talking about a construction site?

0:23:28.895 --> 0:23:33.315

BRUCE D. LABBE

No, I run into a business where off griders.

0:23:35.575 --> 0:23:37.335

BRUCE D. LABBE

Put a porta potty.

0:23:39.465 --> 0:23:48.305

BRUCE D. LABBE

And I told him that because of the rules that had changed, that you can keep your border body there as long as it is maintained.

0:23:49.195 --> 0:23:52.435

BRUCE D. LABBE

Which is pumped up by whoever services that.

0:23:52.935 --> 0:23:53.535

Lawson, Brent

Right.

0:23:54.175 --> 0:23:55.775

BRUCE D. LABBE

Is that still OK?

0:23:57.895 --> 0:24:10.215

Lawson, Brent

Well, the porta potty stuff. I mean it goes when it reverts back to what it was before. You can only use them for, you know, gathering social function, stuff like that. If this is a business they're not supposed to have 1/4 party.

0:24:10.755 --> 0:24:13.235

BRUCE D. LABBE

No, not a business. It's a residential.

0:24:14.605 --> 0:24:15.165

Lawson, Brent

OK.

0:24:14.755 --> 0:24:16.595

BRUCE D. LABBE

A guy who lived off the grid. That's all right.

0:24:17.395 --> 0:24:19.795

Lawson, Brent

Even, you know, even a residence are not supposed to have it.

0:24:19.795 --> 0:24:22.795

Lawson, Brent

They're supposed to have. They can have at least a primitive system.

0:24:24.675 --> 0:24:25.275

Lawson, Brent

They can't.

0:24:25.275 --> 0:24:29.595

Lawson, Brent

They're not supposed to be having a prefabricated toilet because that is not an alternative toilet.

0:24:30.855 --> 0:24:31.295

BRUCE D. LABBE

OK.

0:24:31.295 --> 0:24:31.735

BRUCE D. LABBE

Thank you.

0:24:31.995 --> 0:24:32.355

Lawson, Brent

Yep.

0:24:35.995 --> 0:24:37.315

BRUCE D. LABBE

Let me see. Let's go ahead.

0:24:37.145 --> 0:24:48.65

Lawson, Brent

Yeah, even I see that other one I've seen Porta Potties use that restaurants takeout sites as a permanent solution, which is no is they can't use that like that because.

0:24:49.555 --> 0:24:55.235

Lawson, Brent

The the the rule book says it's only for social gatherings and and functions, stuff like that.

0:24:57.715 --> 0:25:3.595

Lawson, Brent

And I think you know, if somebody has, you know, a further questions for that.

0:25:5.355 --> 0:25:7.395

Lawson, Brent

I think it's a good idea to call the health inspector.

0:25:7.785 --> 0:25:11.105

Lawson, Brent

Program the ones that license restaurants.

0:25:11.265 --> 0:25:13.65

Lawson, Brent

I don't have that number right here, but.

0:25:14.555 --> 0:25:16.75

Lawson, Brent

It's a good idea to ask them.

0:25:19.935 --> 0:25:21.415

Lawson, Brent

So this one right here.

0:25:22.225 --> 0:25:25.545

Lawson, Brent

So is this considered internal plumbing or external plumbing?

0:25:28.35 --> 0:25:35.35

Lawson, Brent

It is within two feet, but it's not hooked up to any of the plumbing inside the house, so it's still external plumbing.

0:25:36.795 --> 0:25:37.595

Lawson, Brent

But still.

0:25:39.195 --> 0:25:42.995

Lawson, Brent

You know, flag polling events is not allowed and I'm sure they did that.

0:25:42.995 --> 0:25:46.155

Lawson, Brent

So when they had the screen door open, they won't smell that much, but.

0:25:47.875 --> 0:25:51.635

Lawson, Brent

It's just it's not a it's not an alternative toilet once again.

0:25:52.945 --> 0:25:54.225

Lawson, Brent

If they can't have.

0:25:55.755 --> 0:26:7.955

Lawson, Brent

If they have a site evaluated going to something like this and the site evaluator can't find soils good enough to put a septic system in, then they're going to have to revert to a holding tank.

0:26:8.595 --> 0:26:12.75

Lawson, Brent

You know, there's other ways of doing stuff like this. They can't have that bought upon.

0:26:16.275 --> 0:26:16.635

Lawson, Brent

All right.

0:26:16.635 --> 0:26:19.595

Lawson, Brent

Hope you hopefully you guys got your volumes up so.

0:27:4.245 --> 0:27:7.485

Lawson, Brent

And this was a picture after they got together.

0:27:9.35 --> 0:27:10.475

Lawson, Brent

One moment I don't.

0:27:13.545 --> 0:27:17.745

Lawson, Brent

What they all looked like after that happened, so they're all little Smurfs now.

0:27:19.675 --> 0:27:21.435

Lawson, Brent

So spray irrigation, there you go.

0:27:23.465 --> 0:27:26.185

Lawson, Brent

So before we have an installation, we must have a design.

0:27:28.275 --> 0:27:30.475

Lawson, Brent

It's very important for the the.

0:27:32.115 --> 0:27:32.195

Lawson, Brent

LP.

0:27:34.275 --> 0:27:46.995

Lawson, Brent

I to look this over now, you know, we do not expect LP is to be site evaluators, you know, we just asked to do, you know, do the best you can and look in them over. The biggest thing is.

0:27:48.755 --> 0:27:53.475

Lawson, Brent

These following pictures are for the the designs that we have now, the forms we have now.

0:27:54.525 --> 0:27:57.365

Lawson, Brent

So the biggest thing is basically.

0:27:58.425 --> 0:28:12.105

Lawson, Brent

To have everything filled out if if a box is empty and a site evaluator meant that to be that way, then they need to put NA in that not applicable.

0:28:13.635 --> 0:28:17.75

Lawson, Brent

But otherwise, in that everything needs to be filled out.

0:28:20.705 --> 0:28:30.65

Lawson, Brent

So with this one like for how long is it good for? If it's just an application right there, that's where the data is and it's not permitted yet.

0:28:30.945 --> 0:28:32.465

Lawson, Brent

It's good until the rules change.

0:28:33.995 --> 0:28:37.955

Lawson, Brent

Now, a caveat of that is every two years.

0:28:39.345 --> 0:28:44.985

Lawson, Brent

The site evaluator needs to re-check that and revise it just to make sure that nothing's changed.

0:28:45.225 --> 0:28:45.665

Lawson, Brent

Like.

0:28:47.755 --> 0:28:49.275

Lawson, Brent

Well, it's coming up in a minute.

0:28:49.435 --> 0:28:52.155

Lawson, Brent

And if it's permitted, how long is it good for?

0:28:52.755 --> 0:28:59.235

Lawson, Brent

It's good for if work is commenced within 24 months after the permit is issued.

0:29:0.915 --> 0:29:0.995

Lawson, Brent

So.

0:29:2.465 --> 0:29:7.505

Lawson, Brent

The reason why is say you have a septic tanks septic system staked out right there.

0:29:9.315 --> 0:29:17.235

Lawson, Brent

And you go to permanent, you know, you as a plumbing inspector, hopefully will go look at it just to make sure nothing like this has happened.

0:29:17.635 --> 0:29:21.315

Lawson, Brent

So maybe the butter has a well drilled.

0:29:23.635 --> 0:29:27.75

Lawson, Brent

And if this is not permitted yet, that's fine.

0:29:28.835 --> 0:29:31.395

Lawson, Brent

Then the site evaluate is gonna have to come back and move that.

0:29:32.305 --> 0:29:32.985

Lawson, Brent

So.

0:29:35.945 --> 0:29:40.745

Lawson, Brent

Work. What's work commence directly associated with the septic system.

0:29:41.665 --> 0:29:54.745

Lawson, Brent

Could be and that's left up to the plumbing inspector to. It could be, you know, the pipe coming out from the foundation. It could be the installation of a septic tank, whatever. Anything that's directly associated with that.

0:29:56.275 --> 0:30:0.195

Lawson, Brent

If that has started, then the LPI is up to the LPI again.

0:30:0.835 --> 0:30:3.195

Lawson, Brent

Saying that, yeah, it's fine.

0:30:3.595 --> 0:30:6.115

Lawson, Brent

So let's say if it is permitted.

0:30:6.385 --> 0:30:7.785

Lawson, Brent

But it isn't installed yet.

0:30:9.635 --> 0:30:11.395

Lawson, Brent

And the Weld Driller comes and drills out.

0:30:11.465 --> 0:30:25.345

Lawson, Brent

That well, now it's the well drillers issue because that well, I mean that permitted hay 200 form protects the design from any encroachment of anything.

0:30:25.825 --> 0:30:32.225

Lawson, Brent

So that well would have to be drilled 100 feet away from that disposal field if it's first time system.

0:30:33.25 --> 0:30:34.105

Lawson, Brent

So this is when.

0:30:35.635 --> 0:30:38.275

Lawson, Brent

The people that own that property go back to the welder.

0:30:40.185 --> 0:30:41.265

Lawson, Brent

Civil issue?

0:30:43.715 --> 0:30:44.275

Lawson, Brent

But still.

0:30:45.995 --> 0:30:48.435

Lawson, Brent

You know, this is this is happening.

0:30:50.155 --> 0:30:57.755

Lawson, Brent

A lot more because you know lots are getting tighter and tighter and everybody's living in campers now and all this other stuff, which is another whole situation.

0:30:59.715 --> 0:31:4.795

Lawson, Brent

But still, if that is permitted, that is like it's existing.

0:31:6.475 --> 0:31:7.435

Lawson, Brent

So treat it that way.

0:31:10.655 --> 0:31:12.15

Lawson, Brent

Legal exit. There you go.

0:31:12.215 --> 0:31:20.335

Lawson, Brent

Either install prior to July 1st, 1974, or was permitted on or after July 1st, 1974.

0:31:21.795 --> 0:31:24.115

Lawson, Brent

It is now existing, even though it isn't installed yet.

0:31:27.475 --> 0:31:35.355

Lawson, Brent

This is what we're just talking about. If that was permitted 1124 and this well was drilled on 11/25, it's the well drillers issue.

0:31:37.395 --> 0:31:39.195

Lawson, Brent

So, you know now a question.

0:31:39.625 --> 0:31:44.25

Lawson, Brent

Comes up if that septic system was installed.

0:31:46.275 --> 0:31:50.275

Lawson, Brent

Can you, as a plumbing inspector legally give them an occupancy permit?

0:31:51.955 --> 0:31:54.355

Lawson, Brent

No, because your well drill is too close. The wells too close.

0:31:54.915 --> 0:31:57.955

Lawson, Brent

They're gonna have to fight to have them move that back or.

0:31:59.635 --> 0:32:5.955

Lawson, Brent

Install like a jazwell seal and a liner or to meet the table that's in the rule book.

0:32:7.75 --> 0:32:12.635

Lawson, Brent

But something's gotta be done with that situation before an occupancy permit's issued.

0:32:14.285 --> 0:32:15.925

Pellegrino, Eli

Hey, Brent. There's a hand up.

0:32:16.955 --> 0:32:17.275

Lawson, Brent

OK.

0:32:17.435 --> 0:32:18.715

Pellegrino, Eli

Herbert, if you want to go ahead.

0:32:20.95 --> 0:32:28.775

Herbert Marshall

Yeah, so did I just hear you say that if it's permitted, you still have to, you got to complete it within two years or you got to get a new permit after that?

0:32:29.685 --> 0:32:33.205

Lawson, Brent

No. If it's permitted, it's just gonna be started within two years.

0:32:34.685 --> 0:32:35.645

Herbert Marshall

And if it's not?

0:32:35.875 --> 0:32:36.475

Lawson, Brent

It doesn't.

0:32:36.475 --> 0:32:49.675

Lawson, Brent

It doesn't have to be finished if it's not. If it's not finished within those two years, that permit goes on forever. Until that gets done, if work hasn't started within those two years, then they will have to redo it all over again.

0:32:52.5 --> 0:32:59.765

Herbert Marshall

Do I have a situation where there was a a system that somebody put in an apartment over a garage and didn't get it permitted?

0:33:0.405 --> 0:33:4.725

Herbert Marshall

It came back and after the fact, redid the system on paper.

0:33:4.725 --> 0:33:13.85

Herbert Marshall

I had to do a permit and file it with the registry of deeds, but it's it doesn't have to be installed unless there's a problem with the system.

0:33:15.25 --> 0:33:17.625

Lawson, Brent

It was this in the shoreland zone.

0:33:18.755 --> 0:33:19.195

Herbert Marshall

No.

0:33:19.745 --> 0:33:20.65

Lawson, Brent

OK.

0:33:21.675 --> 0:33:37.515

Herbert Marshall

So the so the inspector came in the the sole analysis guy came in and did a a new bed

design to add 25 feet onto the bed and he added an extra 1000 gallon tank in series with the line going into the existing tank and I had.

0:33:30.175 --> 0:33:30.735

Lawson, Brent

OK.

0:33:37.515 --> 0:33:43.395

Herbert Marshall

To file it with the registry of deeds. After I pulled the permit, but I don't have to install the system.

0:33:41.325 --> 0:33:41.685

Lawson, Brent

OK.

0:33:44.795 --> 0:33:46.395

Herbert Marshall

Unless there's an issue with the current system.

0:33:47.785 --> 0:33:49.25

Lawson, Brent

And that's that's complete.

0:33:48.165 --> 0:33:49.605

Herbert Marshall

Like if it if it starts.

0:33:50.865 --> 0:33:51.385

Lawson, Brent

Go ahead.

0:33:52.615 --> 0:34:0.295

Herbert Marshall

So unless unless it starts backing up or something, if the field handles the flow as it's currently being used, then I'm fine.

0:34:0.295 --> 0:34:2.295

Herbert Marshall

But I mean, that was 10 years ago.

0:34:2.605 --> 0:34:16.395

Lawson, Brent

Yeah, yeah. And that, that that situation was is completely up to the plumbing inspector. You know, they could say, well, I tell you why, you know, since you are coming in to get a permit now, just have another design done and record it with the registry deed. So.

0:34:16.395 --> 0:34:19.565

Lawson, Brent

In case something happens, we can take that right out and you can put it right in.

0:34:21.115 --> 0:34:25.755

Lawson, Brent

Or they can actually make you put it in because you know this is an expansion.

0:34:27.355 --> 0:34:27.955

Herbert Marshall

Right.

0:34:27.395 --> 0:34:28.995

Lawson, Brent

So that's totally up to the plumbing inspector.

0:34:30.575 --> 0:34:31.15

Lawson, Brent

Which?

0:34:30.695 --> 0:34:31.975

Herbert Marshall

And so potentially.

0:34:33.395 --> 0:34:39.715

Herbert Marshall

In in four or five years, if there was an issue with the field not handling the flow, could I work it under the current permit that's been issued?

0:34:44.665 --> 0:34:47.705

Lawson, Brent

I don't believe so because work hasn't been started on that permit yet.

0:34:49.435 --> 0:34:54.555

Lawson, Brent

Now, wait a minute. Now when you record it with the registry of deeds, all time stops.

0:34:54.595 --> 0:34:57.395

Lawson, Brent

So it's saying that I would say yes.

0:34:59.465 --> 0:34:59.945

Herbert Marshall

OK.

0:35:0.105 --> 0:35:1.505

Herbert Marshall

I don't expect it to ever happen.

0:35:1.505 --> 0:35:3.345

Herbert Marshall

I was just curious. Thank you.

0:35:2.735 --> 0:35:4.695

Lawson, Brent

Yep, Yep. You're welcome.

0:35:6.985 --> 0:35:23.625

Lawson, Brent

Authorized designers, non engineered systems site evaluator and that's license in Maine can design A non engineered system. An engineered system. You need to engineer now the site evaluator can do the soils, but an engineer has to do the actual.

0:35:25.35 --> 0:35:28.435

Lawson, Brent

System professional engineers shall design the engineering systems.

0:35:28.675 --> 0:35:30.275

Lawson, Brent

What's an engineered systems?

0:35:30.755 --> 0:35:35.835

Lawson, Brent

Basically, it's anything over 2000 gallons a day, or the bod is above.

0:35:37.305 --> 0:35:40.625

Lawson, Brent

A certain amount, which you'd have to have it tested in order to see that.

0:35:42.465 --> 0:35:45.265

Lawson, Brent

So that's where the 2000 gallons a day would be.

0:35:46.625 --> 0:35:54.265

Lawson, Brent

So each bedroom 90 gallons a day minimum. A2 bedroom design is 180.

0:35:55.585 --> 0:36:1.585

Lawson, Brent

So you'd have to have 23 bedrooms in order to reach over 2000 gallons a day, which is an awful big house.

0:36:2.305 --> 0:36:7.385

Lawson, Brent

But we're not just, you know, looking at that. You're looking at restaurants you're looking at.

0:36:8.155 --> 0:36:10.315

Lawson, Brent

Malls, you're looking at stores you're looking at?

0:36:11.945 --> 0:36:13.465

Lawson, Brent

That apartment complexes.

0:36:13.465 --> 0:36:17.905

Lawson, Brent

You know, anything over 2000 gallons a day has to be done with an engine. It's just.

0:36:21.475 --> 0:36:26.355

Lawson, Brent

Application for disposal system permit all fields. Signatures have to be completed.

0:36:26.635 --> 0:36:28.875

Lawson, Brent

Current forms are on the web page.

0:36:30.755 --> 0:36:32.795

Lawson, Brent

So basically, that's where the permit goes.

0:36:32.795 --> 0:36:42.75

Lawson, Brent

The LPI doesn't touch this yet until he looks at he or she looks at all of the blocks on the 200 foot.

0:36:42.675 --> 0:36:45.435

Lawson, Brent

Like I said before, everything has to be filled out.

0:36:47.995 --> 0:36:48.795

Lawson, Brent

Signatures.

0:36:50.475 --> 0:36:50.955

Lawson, Brent

Are a big.

0:36:51.305 --> 0:37:0.185

Lawson, Brent

Thing, especially homeowner signatures, it's calm down a little bit, but we should get, you know, one here and there without the homeowner's signature or.

0:37:1.675 --> 0:37:4.755

Lawson, Brent

Without the homeowner's signature on the variance form.

0:37:6.435 --> 0:37:8.395

Lawson, Brent

We can't process them until that's done.

0:37:10.555 --> 0:37:18.235

Lawson, Brent

So that's why I've been sending him, you know, e-mail and some back and saying, you know, you gotta get the signature on that. So we can do this.

0:37:20.275 --> 0:37:34.595

Lawson, Brent

Again, you know owner's name, everything like that. Now on the on the plan itself, you should be as plumbing inspectors and as contractors, you know, so there's your property line, that square box.

0:37:36.295 --> 0:37:39.175

Lawson, Brent

So who can tell you where the property line is?

0:37:40.675 --> 0:37:44.875

Lawson, Brent

The homeowner can tell you, but he's not always he or she's not always right.

0:37:45.635 --> 0:37:49.995

Lawson, Brent

The only person that can tell you where the property line is is a surveyor.

0:37:50.555 --> 0:37:59.635

Lawson, Brent

So if there's a question, I mean it's not up to the plumbing inspector. Really. It's not up to the site evaluator because they go on whatever the homeowner tells them.

0:38:0.275 --> 0:38:3.995

Lawson, Brent

But this comes into play when a neighbor complaints.

0:38:3.995 --> 0:38:4.915

Lawson, Brent

Well, you're on my property.

0:38:5.915 --> 0:38:9.715

Lawson, Brent

Then a surveyor has to come in and and do a survey survey.

0:38:12.955 --> 0:38:14.155

Lawson, Brent

So there's a driveway.

0:38:14.155 --> 0:38:22.875

Lawson, Brent

That's a well, there's where the house is septic. Tank disposal field. Distance to the well.

0:38:24.315 --> 0:38:25.195

Lawson, Brent

Observation holes.

0:38:26.955 --> 0:38:34.35

Lawson, Brent

Site plan site map the North Arrow any water or wetlands? Any ponds?

0:38:34.35 --> 0:38:37.395

Lawson, Brent

Slope. So that's what if if.

0:38:39.315 --> 0:38:39.555

Lawson, Brent

You're.

0:38:40.815 --> 0:38:50.335

Lawson, Brent

As a plumbing inspector and or a contractor if you can't read the 200 form, don't do anything until you get it straightened out.

0:38:51.15 --> 0:38:53.655

Lawson, Brent

Because if you do something, then somebody comes back.

0:38:53.655 --> 0:38:54.575

Lawson, Brent

Well, no, I meant this.

0:38:56.35 --> 0:38:56.995

Lawson, Brent

Well, you've already put it in.

0:38:58.795 --> 0:38:58.875

Lawson, Brent

So.

0:39:0.435 --> 0:39:10.515

Lawson, Brent

You know, and as far as a permitting process goes, you know the LPI shouldn't be permitting it unless they understand and can read everything.

0:39:10.705 --> 0:39:20.745

Lawson, Brent

Thing that's on there. You know there's a couple site evaluators that puts a lot of information on their plans and they usually do it on a grid and it's very difficult to read.

0:39:21.225 --> 0:39:30.25

Lawson, Brent

So whoever has an issue or question about the 200 form, you know the site evaluator's name is right on the bottom.

0:39:30.825 --> 0:39:31.425

Lawson, Brent

Give them a call.

0:39:32.955 --> 0:39:35.355

Lawson, Brent

So this she has soil, soil profile.

0:39:35.955 --> 0:39:40.875

Lawson, Brent

So this right here is modeling what modeling is is the color pattern.

0:39:42.315 --> 0:39:56.395

Lawson, Brent

Obtaining the soil condition of, you know blotches or spots or something that basically tells you where the seasonal high water table is. So in this case.

0:39:57.875 --> 0:39:58.515

Lawson, Brent

It's 20 inches.

0:39:59.155 --> 0:40:0.515

Lawson, Brent

This right there.

0:40:0.515 --> 0:40:2.275

Lawson, Brent

This is one of the pits that we use.

0:40:4.275 --> 0:40:4.435

Lawson, Brent

Well.

0:40:6.75 --> 0:40:10.115

Lawson, Brent

This is not exactly this pit, but we use this one year and.

0:40:11.555 --> 0:40:11.755

Lawson, Brent

For the.

0:40:11.865 --> 0:40:20.745

Lawson, Brent

Site evaluator exam, so the site evaluator who wants a license basically has to step down into this pit and.

0:40:21.665 --> 0:40:31.505

Lawson, Brent

You can tell where the seasonal high water table is roughly right there at that time, but they have to determine that whole soil of that whole wall to find out.

0:40:32.985 --> 0:40:34.185

Lawson, Brent

What type of soil it is?

0:40:37.95 --> 0:40:39.615

Lawson, Brent

That picture right there is those.

0:40:39.615 --> 0:40:41.975

Lawson, Brent

Those blotches that tells you where the water table has risen.

0:40:43.505 --> 0:40:50.625

Lawson, Brent

That basically tells you you know if there's iron in the soil and the water gets up that high, it rusts.

0:40:51.65 --> 0:40:52.305

Lawson, Brent

So that's what that is.

0:40:52.585 --> 0:40:57.505

Lawson, Brent

So they know the site evaluator knows that the water table is at least that high.

0:40:58.185 --> 0:41:1.545

Lawson, Brent

So that's where they put the seasonal high water table.

0:41:1.545 --> 0:41:6.785

Lawson, Brent

Now, the reason why this is important is because you got 20 inches right there to the groundwater table.

0:41:7.645 --> 0:41:11.965

Lawson, Brent

So there's this, the pit that the site evaluator dug, or the boring.

0:41:13.425 --> 0:41:18.265

Lawson, Brent

So there's 20 inches to modeling. So that's where the seasonal high water table is now.

0:41:18.265 --> 0:41:19.905

Lawson, Brent

This is a 3C soil.

0:41:20.425 --> 0:41:25.825

Lawson, Brent

So there's a table in the rule book that says the soil profile 3.

0:41:27.705 --> 0:41:30.585

Lawson, Brent

C That gives you 12 inches.

0:41:30.625 --> 0:41:33.945

Lawson, Brent

What that means is that particular soil type.

0:41:35.665 --> 0:41:36.545

Lawson, Brent

The bottom of the bed.

0:41:36.855 --> 0:41:41.255

Lawson, Brent

Has to be 12 inches above where that water table is.

0:41:42.75 --> 0:41:54.515

Lawson, Brent

Now of course this is important for the functionality of the septic system, because if that's down at that 20 and that bottom of the bed is at that 20 inch level, there's no way it's gonna drain.

0:41:55.35 --> 0:41:58.355

Lawson, Brent

It's just gonna be like a bathtub, so.

0:41:59.865 --> 0:42:7.145

Lawson, Brent

That's the reason why they put it out now. Some of them. You know, if if you got like let's say 10 inches of the high water table.

0:42:8.905 --> 0:42:10.705

Lawson, Brent

That whole system right there could be.

0:42:11.455 --> 0:42:22.295

Lawson, Brent

A huge mound in your backyard because it's gonna go up even further, but that's the reason why the site evaluated have to determine where the limiting factor is.

0:42:25.185 --> 0:42:32.985

Lawson, Brent

Now you're on the page. Should have all this information on it too. Now, as you can see, it's really. You can read that, but it's not crowded.

0:42:33.545 --> 0:42:41.185

Lawson, Brent

So that's all the information that has to be on this very simple and it's very neat and again.

0:42:42.625 --> 0:42:44.785

Lawson, Brent

It's not on graph paper, so you can read it easily.

0:42:46.665 --> 0:42:46.905

Lawson, Brent

And.

0:42:48.105 --> 0:42:53.145

Lawson, Brent

Yeah, it's just like I said, if you can't read it, call the side evaluator.

0:42:54.445 --> 0:42:55.485

Lawson, Brent

There's a cross section.

0:42:55.485 --> 0:42:57.165

Lawson, Brent

Again, that's nice and neat.

0:42:57.485 --> 0:42:59.925

Lawson, Brent

Tells you all the the information you need.

0:43:1.385 --> 0:43:2.465

Lawson, Brent

You should be all set.

0:43:2.465 --> 0:43:5.785

Lawson, Brent

It doesn't have to be complicated or crowded.

0:43:8.405 --> 0:43:14.205

Lawson, Brent

So after that's all done and those LPI reads everything, everything's in place.

0:43:15.665 --> 0:43:18.945

Lawson, Brent

Must be signed before permitting, along with all the variance forms.

0:43:19.225 --> 0:43:24.785

Lawson, Brent

That's the homeowner after that's all done, then the site, the Plumbing inspector can permit.

0:43:27.175 --> 0:43:30.335

Lawson, Brent

Late permit fees must pay double the permit fee.

0:43:31.225 --> 0:43:40.25

Lawson, Brent

So you as a contractor, if you put this in, let's say the general scenario then is very, very popular.

0:43:40.425 --> 0:43:42.185

Lawson, Brent

Well, the homeowner said.

0:43:42.185 --> 0:43:43.385

Lawson, Brent

They already got the permit.

0:43:45.145 --> 0:43:45.305

Lawson, Brent

Yeah.

0:43:46.175 --> 0:43:47.55

Lawson, Brent

That might be fine.

0:43:47.935 --> 0:43:49.135

Lawson, Brent

But did you see it?

0:43:49.455 --> 0:43:50.735

Lawson, Brent

Did you see the permit?

0:43:53.535 --> 0:44:5.335

Lawson, Brent

The as a contractor, you must have the permitted copy of that application in your hand before you start work. Even a copy of it's fine.

0:44:6.865 --> 0:44:14.705

Lawson, Brent

But as long as you have that, you're all set. If you don't, you know that. Could you know cost you, you know, 500 bucks.

0:44:15.65 --> 0:44:16.385

Lawson, Brent

That's just for a complete system.

0:44:19.905 --> 0:44:21.465

Lawson, Brent

Yeah, but just make sure you get.

0:44:21.775 --> 0:44:24.575

Lawson, Brent

Make sure that permit is obtained.

0:44:26.785 --> 0:44:33.65

Lawson, Brent

Covering a work no part of a system must be backfilled or may be backfilled until.

0:44:34.665 --> 0:44:50.585

Lawson, Brent

Let's see until it has, you know, been inspected and approved. If any part is covered before being inspected and approved, it must be uncovered at the discretion of the LPI. And at the at the expense and risk of the homeowner.

0:44:51.725 --> 0:44:56.465

Lawson, Brent

So if that's gonna be uncovered, I don't think the homeowners gonna be very happy with the contract.

0:44:59.765 --> 0:45:6.485

Lawson, Brent

And if the homeowners only paid you half upfront, you know it's gonna be a lot to try to get the other half.

0:45:8.105 --> 0:45:12.705

Lawson, Brent

So just just make sure you know the you know, the plumbing inspector.

0:45:14.425 --> 0:45:21.345

Lawson, Brent

You call the plumbing inspector when you're ready, and the plumbing inspector comes over and signs it and everything's fine.

0:45:21.545 --> 0:45:22.665

Lawson, Brent

Then you won't have an issue.

0:45:25.835 --> 0:45:27.235

Lawson, Brent

That does not mean this.

0:45:27.835 --> 0:45:33.195

Lawson, Brent

This is not actual covering of the work it is, but it is.

0:45:34.355 --> 0:45:35.795

Lawson, Brent

So let's say.

0:45:37.665 --> 0:45:38.345

Lawson, Brent

The reason why?

0:45:38.345 --> 0:45:48.985

Lawson, Brent

You know, inspections get done is a lot of times, you know these pipes, you know people, maybe the contractor ran over it or.

0:45:50.625 --> 0:45:51.745

Lawson, Brent

You know, I don't know what happened.

0:45:51.905 --> 0:45:54.425

Lawson, Brent

Maybe there was a void in that green pipe since this curve like that.

0:45:55.655 --> 0:46:7.175

Lawson, Brent

Maybe there was a void that wasn't compacted that good underneath that pipe, and then it just settled in as the the ground settled and just caused a problem.

0:46:7.655 --> 0:46:11.55

Lawson, Brent

So this is basically why we get inspections done.

0:46:13.625 --> 0:46:14.105

Lawson, Brent

Excuse me.

0:46:15.785 --> 0:46:24.345

Lawson, Brent

So this was during a third party inspection that uncovered this, and this was the issue and this is everything.

0:46:24.575 --> 0:46:25.455

Lawson, Brent

Can I enter the house?

0:46:27.425 --> 0:46:35.545

Lawson, Brent

And I think this is only like 2 years old, but still it's it's an issue that the homeowner or anybody doesn't have to have.

0:46:39.605 --> 0:46:44.5

Lawson, Brent

This is I I wanna show you this one because there's a picture after it.

0:46:46.895 --> 0:46:54.495

Lawson, Brent

This is a pee trap and it's hooked to the brass part on the floor up above it to a shower.

0:46:56.925 --> 0:46:59.805

Lawson, Brent

The water comes down through that drain and goes in the P.

0:46:59.845 --> 0:47:4.925

Lawson, Brent

Trauma goes down the pipe, but a certain amount of water stays in that P trap.

0:47:6.825 --> 0:47:10.505

Lawson, Brent

In order to not let the odor from.

0:47:12.265 --> 0:47:12.385

Lawson, Brent

The.

0:47:14.345 --> 0:47:15.185

Lawson, Brent

Septic system.

0:47:16.945 --> 0:47:22.305

Lawson, Brent

Or the public sewer system to get up into your house that stops it right there.

0:47:24.145 --> 0:47:26.185

Lawson, Brent

So again, the reason why they're in.

0:47:26.805 --> 0:47:28.205

Lawson, Brent

These get inspected.

0:47:29.765 --> 0:47:37.605

Lawson, Brent

This is an outside shower being piped into the existing disposal field. As you can see, this P trap is sideways.

0:47:38.5 --> 0:47:39.885

Lawson, Brent

It's not gonna hold any water.

0:47:40.245 --> 0:47:55.165

Lawson, Brent

So all that, all those fumes from that septic system is gonna come up right through your shower and then, you know, later on, after the slab's poured and the homeowners live there for a little while, you know, they gotta start smelling something.

0:47:55.165 --> 0:47:58.45

Lawson, Brent

Then they're gonna call the contractor back, blah blah blah.

0:47:58.945 --> 0:47:59.185

Lawson, Brent

And.

0:47:59.375 --> 0:48:5.295

Lawson, Brent

The cement slab's gonna be dug up and jackhammered, and it's just it's not worth it.

0:48:5.655 --> 0:48:10.415

Lawson, Brent

Just go take a look at it and 'cause. You're gonna find stuff like this.

0:48:14.345 --> 0:48:17.905

Lawson, Brent

All along. So here's a malfunction.

0:48:17.905 --> 0:48:19.105

Lawson, Brent

This is an older malfunction.

0:48:22.465 --> 0:48:23.185

Lawson, Brent

Let's see.

0:48:23.785 --> 0:48:25.65

Lawson, Brent

Just looking at the.

0:48:28.225 --> 0:48:29.905

Lawson, Brent

Until I like a forever.

0:48:31.335 --> 0:48:40.695

Lawson, Brent

Use that I know a contract that didn't like the septic design he got because the system was on top of ledge and he wanted the system to.

0:48:42.225 --> 0:48:44.785

Lawson, Brent

A foot lower. So he pulled the ERP.

0:48:46.745 --> 0:48:49.585

Lawson, Brent

And and nailed it into the tree a foot lower.

0:48:49.745 --> 0:48:54.305

Lawson, Brent

And because the plant did not identify the height of the ERP.

0:48:56.745 --> 0:49:1.385

Lawson, Brent

There was no way to identify the system resulted, so that that's a good point.

0:49:1.815 --> 0:49:3.815

Lawson, Brent

So when you're when you're reviewing this.

0:49:7.765 --> 0:49:9.85

Lawson, Brent

There's a place.

0:49:10.545 --> 0:49:10.905

Lawson, Brent

On the form.

0:49:10.905 --> 0:49:25.185

Lawson, Brent

On the 200 form that shows you where the location of the ERP is, which is the elevation and reference point on that. It should also state how far above grade that ERP is.

0:49:27.145 --> 0:49:31.905

Lawson, Brent

And that's the reason why that's there is so nobody can move it.

0:49:32.905 --> 0:49:34.785

Lawson, Brent

So that brings me to another question.

0:49:35.585 --> 0:49:37.105

Lawson, Brent

Who can move the ERP?

0:49:40.115 --> 0:49:42.275

Lawson, Brent

Contractor homeowner.

0:49:43.615 --> 0:49:49.95

Lawson, Brent

No. The only people that can move the ERP is the site evaluator.

0:49:50.415 --> 0:49:52.215

Lawson, Brent

Now the contractor can.

0:49:54.485 --> 0:50:2.165

Lawson, Brent

If let's say the ERP is behind a a pile of dirt, they can't see it. The contractor can.

0:50:3.655 --> 0:50:4.575

Lawson, Brent

Not move the ERP.

0:50:7.255 --> 0:50:7.375

Lawson, Brent

But.

0:50:9.125 --> 0:50:18.125

Lawson, Brent

In a you know not a survey, but move it over enough to a different tree at the same level as the ERP is now.

0:50:19.815 --> 0:50:19.895

Lawson, Brent

As.

0:50:21.695 --> 0:50:23.855

Lawson, Brent

A location mark so he can finish his septic system.

0:50:24.245 --> 0:50:27.365

Lawson, Brent

But that original ERP cannot be touched.

0:50:27.685 --> 0:50:37.325

Lawson, Brent

Cannot be pulled, cannot be moved. Nothing that has gotta stay there. Because of this. You know, everything depends on the ERP.

0:50:37.845 --> 0:50:43.165

Lawson, Brent

How is a plumbing inspector gonna, you know, inspect it if the ERP isn't there?

0:50:44.695 --> 0:50:54.135

Lawson, Brent

If they cut the tree down, the ERP is on, you know they have to call a site. The site evaluator that designed it to go and reestablish the ERP.

0:50:55.635 --> 0:50:58.115

Lawson, Brent

And that's the only way they can do it.

0:51:0.355 --> 0:51:1.435

Lawson, Brent

Let's see.

0:51:1.995 --> 0:51:12.195

Lawson, Brent

So this one was wasn't scarified as you can see the house is not a shack, it's a pretty expensive house. And this was within the first year.

0:51:13.615 --> 0:51:16.495

Lawson, Brent

You can see all the big rocks in there, which isn't supposed to be there.

0:51:18.335 --> 0:51:19.935

Lawson, Brent

There was a lot of issues done with this.

0:51:19.935 --> 0:51:20.655

Lawson, Brent

I don't know what happened.

0:51:20.655 --> 0:51:28.575

Lawson, Brent

I don't know if the plumbing inspector actually inspected it or whatever, but there was an issue and this is what happened during the issue.

0:51:31.555 --> 0:51:32.915

Lawson, Brent

This is just overloaded.

0:51:32.915 --> 0:51:35.475

Lawson, Brent

What happened here was this was.

0:51:38.445 --> 0:51:44.125

Lawson, Brent

I think a three bedroom house and they installed an apartment above the garage.

0:51:45.795 --> 0:51:46.835

Lawson, Brent

And of course they didn't.

0:51:48.85 --> 0:51:53.565

Lawson, Brent

This is one of those times I didn't have building code so they didn't need anything, so they went ahead and did it.

0:51:53.565 --> 0:51:54.85

Lawson, Brent

Got a burp?

0:51:54.85 --> 0:51:56.125

Lawson, Brent

You know the building permit and all that stuff.

0:51:58.295 --> 0:52:2.535

Lawson, Brent

They never took care of the septic system.

0:52:3.95 --> 0:52:4.135

Lawson, Brent

Well, there you go.

0:52:4.135 --> 0:52:5.495

Lawson, Brent

Boom, that's what happens.

0:52:10.755 --> 0:52:11.715

Lawson, Brent

All right, here's a test.

0:52:13.215 --> 0:52:14.815

Lawson, Brent

So try to spot the malfunction.

0:52:20.505 --> 0:52:23.705

Lawson, Brent

If you can't see this, you got a problem.

0:52:24.505 --> 0:52:27.865

Lawson, Brent

So yeah, this whole thing right there, which is where the septic tank is.

0:52:30.55 --> 0:52:31.575

Lawson, Brent

Just didn't flow anymore.

0:52:33.445 --> 0:52:37.885

Lawson, Brent

Fuel was clogged up, started coming up out of the tank and.

0:52:39.335 --> 0:52:40.215

Lawson, Brent

There goes the camper.

0:52:45.85 --> 0:52:47.325

Lawson, Brent

Shower outdoor showers.

0:52:49.615 --> 0:52:51.335

Lawson, Brent

You can have outdoor showers.

0:52:51.335 --> 0:52:52.295

Lawson, Brent

That's not the problem.

0:52:53.935 --> 0:52:57.975

Lawson, Brent

The problem is they have to be hooked up to a legal means of disposal.

0:52:59.575 --> 0:53:7.175

Lawson, Brent

They have to be either hooked up to a septic system or while using an outdoor shower would be on a septic system anyway because.

0:53:8.725 --> 0:53:13.685

Lawson, Brent

The you know the the public sewer. I don't see many in the city.

0:53:17.645 --> 0:53:19.205

Lawson, Brent

And if you look in that picture.

0:53:20.655 --> 0:53:20.975

Lawson, Brent

There's a bucket.

0:53:22.615 --> 0:53:26.535

Lawson, Brent

Towards the back of it that has a hole in the side of it. You know, that went to something.

0:53:26.695 --> 0:53:28.895

Lawson, Brent

We don't know where it went to, but it went to something.

0:53:31.15 --> 0:53:33.455

Lawson, Brent

So yeah, they have to be hooked up to a public.

0:53:35.95 --> 0:53:36.175

Lawson, Brent

Sewage disposal system.

0:53:37.975 --> 0:53:38.775

Lawson, Brent

Here's another one.

0:53:38.775 --> 0:53:44.615

Lawson, Brent

This is, you know, the gang show is for when they come out of the ocean for the water. And just so they can hose off.

0:53:45.85 --> 0:53:46.285

Lawson, Brent

Which is fine.

0:53:46.485 --> 0:53:48.565

Lawson, Brent

But again, they gotta be hooked to a.

0:53:52.245 --> 0:54:0.405

Lawson, Brent

You know some type of disposal system and they can't just drain on the ground. DEP doesn't like that.

0:54:1.295 --> 0:54:2.55

Lawson, Brent

No, neither do we.

0:54:5.295 --> 0:54:9.775

Lawson, Brent

Internal plumbing infomercial if you want hot water.

0:54:11.255 --> 0:54:16.935

Lawson, Brent

And you have a temperature and pressure relief valve, which is on all of the hot water heaters.

0:54:18.655 --> 0:54:19.935

Lawson, Brent

How are things? Excuse me.

0:54:21.415 --> 0:54:23.15

Lawson, Brent

While the temperature and pressure relief valve does.

0:54:24.615 --> 0:54:26.135

Lawson, Brent

Is if the water heater gets too hot.

0:54:28.215 --> 0:54:34.175

Lawson, Brent

Or builds up too much pressure that is meant to go off so it won't explode the water heater.

0:54:35.855 --> 0:54:41.935

Lawson, Brent

So this is what happens when you cap off the temperature and pressure relief valve.

0:58:58.165 --> 0:59:0.965

Lawson, Brent

So don't cap your temperature and pressure relief help.

0:59:1.285 --> 0:59:2.45

Lawson, Brent

That's not a good thing.

0:59:5.615 --> 0:59:7.655

Lawson, Brent

So basically the rules govern.

0:59:9.295 --> 0:59:11.135

Lawson, Brent

All subsurface wastewater systems.

0:59:11.135 --> 0:59:13.15

Lawson, Brent

No person may erect.

0:59:14.775 --> 0:59:27.815

Lawson, Brent

A structure that requires a subsurface wastewater disposal system until documentation has been forwarded to the municipal offices that the disposal system can be constructed.

0:59:28.445 --> 0:59:29.885

Lawson, Brent

In compliance with the rules.

0:59:31.415 --> 0:59:34.215

Lawson, Brent

Now this means not only does.

0:59:36.175 --> 0:59:40.575

Lawson, Brent

Say somebody goes in for a building permit and they have the application.

0:59:42.255 --> 0:59:43.55

Lawson, Brent

For the septic system.

0:59:45.295 --> 0:59:49.95

Lawson, Brent

The application doesn't mean it complies with the subsurface rules.

0:59:50.895 --> 0:59:57.535

Lawson, Brent

That plumbing inspector has to look at it and permit it, so that gives them the permit.

0:59:58.335 --> 1:0:10.335

Lawson, Brent

To work on the septic system and also it tells everybody that yes, it's permitted, it complies with the rules, they're good to go.

1:0:10.495 --> 1:0:17.215

Lawson, Brent

So this isn't just an application before they get a building permit, they gotta have that permitted.

1:0:18.685 --> 1:0:20.445

Lawson, Brent

That tells everybody that is OK.

1:0:26.295 --> 1:0:28.295

Lawson, Brent

Again, how do you know if it's a compliance?

1:0:28.445 --> 1:0:29.365

Lawson, Brent

It gets permitted.

1:0:29.365 --> 1:0:30.885

Lawson, Brent

You review it and permit it.

1:0:31.365 --> 1:0:32.285

Lawson, Brent

There you go.

1:0:32.285 --> 1:0:36.525

Lawson, Brent

So new rules as of September 23rd, 2023.

1:0:40.985 --> 1:0:44.545

Lawson, Brent

First of all, we have a a detached bedroom.

1:0:46.135 --> 1:0:48.535

Lawson, Brent

Basically what this is is.

1:0:50.135 --> 1:0:59.655

Lawson, Brent

A house can have another detached room, but it can't have any kitchen, stove, microwave or anything like that.

1:0:59.655 --> 1:1:4.135

Lawson, Brent

They can have a bathroom, but they can't have any cooking facilities.

1:1:5.775 --> 1:1:11.135

Lawson, Brent

That gets it not attached to the House, but it can be separate that the site evaluator can actually.

1:1:11.525 --> 1:1:14.965

Lawson, Brent

Just design that as an extra 90 gallons per day.

1:1:15.915 --> 1:1:34.975

Lawson, Brent

So this is just for. It's just like another bedroom. And the reason why there's a difference between that and like the in law apartment or an apartment over a garage, those have cooking facilities. So that's why there was a there was quite a few people inquiring about this.

1:1:34.975 --> 1:1:39.915

Lawson, Brent

One, when we change the rules on it that you know, especially people you know down.

1:1:40.855 --> 1:1:45.95

Lawson, Brent

In wherever but they wanted to do this and.

1:1:46.115 --> 1:1:50.395

Lawson, Brent

Some of them had done it already, so we didn't hurt anything.

1:1:50.395 --> 1:1:53.115

Lawson, Brent

So as long as they have the gals per day and.

1:1:54.735 --> 1:2:2.695

Lawson, Brent

Again, you know the the major and minor expansion comes into play. If it's just one bedroom. It's a minor expansion.

1:2:3.15 --> 1:2:7.975

Lawson, Brent

So they can record the design with the registry deeds. If it's another bedroom.

1:2:9.655 --> 1:2:14.375

Lawson, Brent

They can't have more than one bedroom on this, but if if they add another bedroom in the house plus this.

1:2:14.975 --> 1:2:25.935

Lawson, Brent

That's a major expansion, so that would have to be installed. Now the only time a minor expansion would have to be installed is if it's in the shoreland zone that's going to be done.

1:2:26.15 --> 1:2:26.615

Lawson, Brent

It can't be.

1:2:26.615 --> 1:2:29.895

Lawson, Brent

Just have a A recorded with the registered deeds.

1:2:29.895 --> 1:2:30.895

Lawson, Brent

It has to be put in.

1:2:37.755 --> 1:2:39.675

Lawson, Brent

Again another one.

1:2:40.155 --> 1:2:48.195

Lawson, Brent

Permissions. No portion of a structure is allowed to be located on or over any part of a disposal system.

1:2:49.695 --> 1:3:0.815

Lawson, Brent

Now the disposal system is the building's sewer, septic tank, F1 pipe disposal field and or pump station. So.

1:3:2.455 --> 1:3:6.215

Lawson, Brent

There's a foundation, there's a house, somebody goes to build a deck.

1:3:7.305 --> 1:3:13.145

Lawson, Brent

Well, let's say there's a deck already there and the septic site evaluate it comes to design system.

1:3:14.505 --> 1:3:16.345

Lawson, Brent

That tank cannot be there.

1:3:16.825 --> 1:3:17.745

Lawson, Brent

That's gonna be moved.

1:3:19.255 --> 1:3:24.95

Lawson, Brent

And you know the distance between the tank and the foundation for first time systems.

1:3:24.95 --> 1:3:25.575

Lawson, Brent

Eight feet for a replacement.

1:3:25.575 --> 1:3:28.775

Lawson, Brent

It can go down to five, so that shouldn't be there anyway.

1:3:29.295 --> 1:3:35.495

Lawson, Brent

You cannot put any type of a subsurface wastewater disposal system component.

1:3:37.655 --> 1:3:39.975

Lawson, Brent

Within 2 feet of the structure.

1:3:42.165 --> 1:3:43.245

Lawson, Brent

Because.

1:3:44.975 --> 1:3:46.255

Lawson, Brent

That is considered internal plumbing.

1:3:48.15 --> 1:3:51.775

Lawson, Brent

And internal plumbing do not allow septic tanks or anything like that.

1:3:54.325 --> 1:3:55.525

Lawson, Brent

So again, there you go.

1:3:55.525 --> 1:3:57.125

Lawson, Brent

You can't put it there either because.

1:3:59.215 --> 1:4:3.575

Lawson, Brent

From a no full basement like a post, it's the same thing.

1:4:3.695 --> 1:4:5.495

Lawson, Brent

8 feet 8 feet down to five feet.

1:4:7.255 --> 1:4:8.935

Lawson, Brent

Plus, it's under that deck.

1:4:10.685 --> 1:4:15.365

Lawson, Brent

So it'd have to be over here, so the whole thing, and they can't be used as.

1:4:17.95 --> 1:4:21.535

Lawson, Brent

A support for the deck. Either we found that before too.

1:4:23.255 --> 1:4:25.895

Lawson, Brent

And I don't see anywhere in the rules that that can be used as a support though.

1:4:27.685 --> 1:4:28.325

Lawson, Brent

So there you go.

1:4:28.325 --> 1:4:37.725

Lawson, Brent

So there's a line that can't be over. If somebody wants to put a deck on either, they'll have to move that tank or they'll put have to put the deck somewhere else.

1:4:39.735 --> 1:4:43.95

Lawson, Brent

But it can't be located on or over antipodipus system.

1:4:45.45 --> 1:4:46.885

Pellegrino, Eli

Hey, brand, there's a couple of questions.

1:4:47.165 --> 1:4:47.485

Lawson, Brent

OK.

1:4:48.415 --> 1:4:52.175

Pellegrino, Eli

So Chad asked, how about a refrigerator or hand sink?

1:4:55.275 --> 1:4:56.795

Pellegrino, Eli

I miss the context.

1:4:56.705 --> 1:4:59.265

Lawson, Brent

Oh, it must be for that detached bedroom. Is that right?

1:5:1.695 --> 1:5:3.335

Lawson, Brent

Yeah. I mean, as long as they don't have any.

1:5:3.335 --> 1:5:15.735

Lawson, Brent

It only says no cooking utensils like stove, microwave, stuff like that I believe so. As far as a refrigerator? Yep, that's not a problem.

1:5:17.475 --> 1:5:19.275

Pellegrino, Eli

OK. And then another question.

1:5:19.275 --> 1:5:27.835

Pellegrino, Eli

Can you elaborate on the minor expansion described in section 10C2C mother-in-law apartment?

1:5:28.765 --> 1:5:29.845

Lawson, Brent

I'll I'd have to.

1:5:31.495 --> 1:5:34.535

Lawson, Brent

Get out of the slideshow and open up the book. So, but I can.

1:5:34.615 --> 1:5:34.935

Lawson, Brent

I can.

1:5:37.405 --> 1:5:47.485

Lawson, Brent

If you send me an e-mail, I can answer that, or if you guys wanna wait until the PowerPoint's done, I can look back and and see what that is.

1:5:49.955 --> 1:5:52.275

Pellegrino, Eli

Hey and then what is a frost wall?

1:5:52.785 --> 1:5:59.585

Lawson, Brent

I believe a frost wall is 4 feet or shorter. I think that's part of the building code.

1:5:59.585 --> 1:6:0.705

Lawson, Brent

So that would have to be.

1:6:3.725 --> 1:6:6.205

Lawson, Brent

Done by the building. Whatever the building code is.

1:6:8.675 --> 1:6:14.395

Pellegrino, Eli

And then what about privies that can be in a structure or a vault Privy.

1:6:15.365 --> 1:6:23.405

Lawson, Brent

Those have to be approved by the local health officer. Anything inside of a structure dwelling unit.

1:6:24.895 --> 1:6:31.535

Lawson, Brent

As far as like a primitive toilet goes, those would have to be approved by the local health officer before it's permitted.

1:6:35.925 --> 1:6:39.45

Pellegrino, Eli

Level Brick path crossover. The septic tank.

1:6:40.575 --> 1:6:40.815

Pellegrino, Eli

By code.

1:6:40.815 --> 1:6:41.455

Pellegrino, Eli

Probably not.

1:6:42.55 --> 1:6:43.775

Lawson, Brent

No, no, I can't.

1:6:45.175 --> 1:6:48.815

Pellegrino, Eli

And then do you know what the set back should be from a frost wall?

1:6:50.75 --> 1:6:51.315

Lawson, Brent

I believe.

1:6:54.245 --> 1:6:59.525

Lawson, Brent

I think it goes under the category no full basement.

1:6:59.525 --> 1:7:2.405

Lawson, Brent

So it'll be the same thing. Eight feet and five feet.

1:7:5.185 --> 1:7:9.225

Pellegrino, Eli

And then I see that Daniel has his hand up.

1:7:9.425 --> 1:7:11.465

Pellegrino, Eli

So you can go ahead and ask your question now.

1:7:14.195 --> 1:7:14.915

daniel ennis

Hey, good morning.

1:7:14.915 --> 1:7:17.995

daniel ennis

I just had a quick question on the set back for the.

1:7:19.415 --> 1:7:20.935

daniel ennis

Frost post for like the decks and stuff.

1:7:21.895 --> 1:7:23.735

daniel ennis

What is the purpose of the set back?

1:7:23.735 --> 1:7:27.975

daniel ennis

For that I understand the set back for like full basement.

1:7:29.735 --> 1:7:31.735

daniel ennis

Things of that nature that have drainage.

1:7:31.975 --> 1:7:41.815

daniel ennis

But frostbse? I mean, they don't have any drainage or any real reason for a set back other than building things over the top of the tank, right?

1:7:42.285 --> 1:7:45.685

daniel ennis

So I guess I'm confused on why there's a set back on frostbose.

1:7:47.85 --> 1:8:3.45

Lawson, Brent

I'm not sure because those rules were well into play before I got here before 2000, but I would think that they just didn't want anything to get near like a frost post in case it did, you know, move or something like that.

1:8:3.45 --> 1:8:10.365

Lawson, Brent

I mean, oh, it could be that if the septic tank or something ruptured or something like that, it would follow.

1:8:11.175 --> 1:8:13.15

Lawson, Brent

Go down in that frost hole too.

1:8:14.145 --> 1:8:14.705

daniel ennis

OK.

1:8:14.975 --> 1:8:17.215

Lawson, Brent

I would think that would be it 'cause that that sounds more logical.

1:8:17.525 --> 1:8:18.405

Lawson, Brent

Golden anything?

1:8:19.985 --> 1:8:24.705

daniel ennis

Yeah, 'cause. It was explained to me once that you know, there they were trying to avoid.

1:8:26.95 --> 1:8:26.135

daniel ennis

A.

1:8:26.175 --> 1:8:26.695

daniel ennis

You know a short.

1:8:28.415 --> 1:8:30.615

daniel ennis

To drainage that is not an approved system.

1:8:30.615 --> 1:8:34.815

daniel ennis

So obviously like if the tank leaks, you don't want it to leak back into the footing drains.

1:8:34.25 --> 1:8:35.945

Lawson, Brent

Right, right.

1:8:35.455 --> 1:8:38.975

daniel ennis

So I was like, well, there's no drainage in a frost pose or a sauna tube.

1:8:39.135 --> 1:8:44.615

daniel ennis

So why would that ever matter? And the inspect the actually the the engineer was even like, that's a great question.

1:8:40.855 --> 1:8:41.135

Lawson, Brent

Right.

1:8:44.615 --> 1:8:47.735

daniel ennis

It doesn't make a lot of sense, so I figured I would just ask.

1:8:45.605 --> 1:8:50.765

Lawson, Brent

Yeah. And I I think it's a, it's AI just thought of this.

1:8:50.765 --> 1:9:1.285

Lawson, Brent

It might be a big caution too, if there's a perimeter drain around the house and something leaks, it could fall into the perimeter drain because of frost pools there.

1:9:2.775 --> 1:9:3.215

Lawson, Brent

I'm not sure.

1:9:3.215 --> 1:9:9.415

Lawson, Brent

I mean, that's just a guess. You know, I think they just, that's really all I can tell you.

1:9:8.925 --> 1:9:20.565

daniel ennis

Yeah, it just seems like really restrictive for like for what we're trying to, you know, we're trying to protect the systems, the environment, things of that nature. And like the frost post doesn't make a lot of sense.

1:9:20.565 --> 1:9:22.885

daniel ennis

So that's why I figured I would ask for clarification.

1:9:21.45 --> 1:9:23.845

Lawson, Brent

Yeah. Well, that that's that's good.

1:9:23.845 --> 1:9:24.685

Lawson, Brent

That's a good question.

1:9:24.685 --> 1:9:26.765

Lawson, Brent

That's something we can look into as well.

1:9:28.605 --> 1:9:40.335

daniel ennis

Yeah. And I'd appreciate that, 'cause if you guys looked into it and found that there really isn't a real reason it might be a pretty nice change because you know down here on the coast, I'm in South Berwick and we, you know, a lot of the loops are.

1:9:40.335 --> 1:9:48.165

daniel ennis

Tight and if I can't put a septic tank within 8 feet of a frost pose for no real reason, you know that that would help you know.

1:9:48.365 --> 1:9:50.45

Lawson, Brent

Yeah. Yeah. OK.

1:9:50.165 --> 1:9:51.165

Lawson, Brent

That's a good question. Thanks.

1:9:58.455 --> 1:10:0.655

Pellegrino, Eli

And then we got another question in the chat.

1:10:1.295 --> 1:10:6.135

Pellegrino, Eli

I thought it was for ease of replacement of tank.

1:10:9.605 --> 1:10:10.165

daniel ennis

Oh, OK.

1:10:10.165 --> 1:10:14.445

daniel ennis

Well, I mean definitely if that's the case that you know, I can understand that too.

1:10:16.135 --> 1:10:20.495

daniel ennis

But yeah, I guess for just first time. Yeah, OK.

1:10:16.735 --> 1:10:17.895

Lawson, Brent

Yeah, they could be, yeah.

1:10:21.55 --> 1:10:21.815

daniel ennis

Appreciate it guys.

1:10:22.405 --> 1:10:23.405

Lawson, Brent

All right. Thanks.

1:10:25.855 --> 1:10:27.215

Pellegrino, Eli

That's it on my questions.

1:10:27.415 --> 1:10:27.935

Lawson, Brent

OK.

1:10:30.415 --> 1:10:35.815

Lawson, Brent

So what's the closest set back to this subject? And that may be from a full basement with a bearings.

1:10:35.885 --> 1:10:37.325

Lawson, Brent

So actually, it'd be two feet.

1:10:37.765 --> 1:10:42.525

Lawson, Brent

So you can get to a full basement with a septic tank.

1:10:44.135 --> 1:10:47.495

Lawson, Brent

Just down to two feet with a variance and of course, why?

1:10:47.855 --> 1:10:49.375

Lawson, Brent

Because that's internal plumbing.

1:10:49.495 --> 1:10:50.695

Lawson, Brent

Where if it goes any closer.

1:10:54.455 --> 1:10:55.775

Lawson, Brent

So here's a septic tank.

1:10:55.775 --> 1:11:4.775

Lawson, Brent

This was ready for a first inspection that I went with on a plumbing inspector, which of course didn't pass. Here's one.

1:11:5.435 --> 1:11:6.915

Lawson, Brent

That they put a filter.

1:11:8.535 --> 1:11:11.695

Lawson, Brent

In the filter, I mean how you gonna get that filter out if you can't?

1:11:12.255 --> 1:11:13.175

Lawson, Brent

They put it in the wrong way.

1:11:15.965 --> 1:11:16.605

Lawson, Brent

Let's see.

1:11:18.815 --> 1:11:19.695

Lawson, Brent

Here's AD box.

1:11:19.695 --> 1:11:23.575

Lawson, Brent

That was all just root bound big time.

1:11:23.575 --> 1:11:24.575

Lawson, Brent

That was one of the issues.

1:11:24.575 --> 1:11:26.815

Lawson, Brent

They were why I was going back into the house.

1:11:29.125 --> 1:11:36.925

Lawson, Brent

Here's what you should be doing is that tea from that affluent line coming up to the bottom of the box?

1:11:37.405 --> 1:11:48.285

Lawson, Brent

That should be like kind of 45° angled. If you're using AT just. So when that pump comes on it doesn't shoot straight down both of those pipes.

1:11:49.935 --> 1:11:52.655

Lawson, Brent

Boy, you could just put a 90 on there facing the.

1:11:55.825 --> 1:11:59.305

Lawson, Brent

You know the backside of the debug just so it fills up.

1:11:59.545 --> 1:12:3.815

Lawson, Brent

But yeah, that'll you know, that doesn't really get them evenly.

1:12:4.445 --> 1:12:11.125

Lawson, Brent

So if it flow if the D box can flow fill up nice and slow when the pump comes on.

1:12:11.245 --> 1:12:19.5

Lawson, Brent

Hopefully, as long as those distribution pipes are where they're supposed to be, it'll go good down both sides of it.

1:12:20.535 --> 1:12:21.935

Lawson, Brent

Anti flotation?

1:12:23.325 --> 1:12:24.765

Lawson, Brent

Septic tanks do float.

1:12:26.455 --> 1:12:27.975

Lawson, Brent

There's a picture of one right there that I saw.

1:12:28.95 --> 1:12:32.135

Lawson, Brent

So specially of course when when they're empty.

1:12:35.965 --> 1:12:38.525

Lawson, Brent

That's a highlighter. Rule change is.

1:12:40.655 --> 1:12:41.775

Lawson, Brent

Is your rises.

1:12:43.575 --> 1:12:51.855

Lawson, Brent

So if you only have a two compartment, well, not compartment, but a 2 hole septic tank, you know.

1:12:53.695 --> 1:12:54.615

Lawson, Brent

It's supposed to go.

1:12:54.615 --> 1:13:2.255

Lawson, Brent

The rise is supposed to go where they facilitate the pumping so it can go either one of those, but it has to be to the surface to grade.

1:13:4.295 --> 1:13:8.135

Lawson, Brent

Other facilities has to be degrade too, like a restaurant or something like that.

1:13:8.535 --> 1:13:16.855

Lawson, Brent

Now, the reason why we made this so it goes to the grade is so first of all, it's a lot easier to find where it is.

1:13:17.455 --> 1:13:26.55

Lawson, Brent

Second of all is a lot easier for the septic pumpers to get to so they don't have to dig up a lot of stuff because that only costs a homeowner that much more money.

1:13:28.135 --> 1:13:32.895

Lawson, Brent

It's just, I mean, you know, they could put like a flower pot on it or something.

1:13:33.205 --> 1:13:34.725

Lawson, Brent

Like that, they just can't cover it up.

1:13:35.885 --> 1:13:38.965

Lawson, Brent

With, you know, soil than than grass over it.

1:13:38.965 --> 1:13:53.125

Lawson, Brent

But if that gets happen, if that happens, it's, you know, way beyond our control, because as soon as a septic system is inspected, it's done. So this is where?

1:13:54.615 --> 1:14:1.895

Lawson, Brent

If the septic is inspected, it's completed, it passes and then later on down the line. Somebody wants to put an addition on their house.

1:14:3.575 --> 1:14:4.855

Lawson, Brent

And it crushes onto the septic system.

1:14:7.885 --> 1:14:15.805

Lawson, Brent

The building code should cover that that they can't be that close, especially if they adopt the subsurface as part of the building code.

1:14:16.725 --> 1:14:23.525

Lawson, Brent

If that happens, then they're gonna have to either get the site evaluated, that design that.

1:14:25.375 --> 1:14:34.575

Lawson, Brent

To do a variance for that for a full basement or a slab or whatever it is, or let's say it's a septic thing and they're gonna have to move the septic tank.

1:14:42.295 --> 1:14:44.815

Pellegrino, Eli

I see that Christopher has his hand up.

1:14:42.335 --> 1:14:42.815

Lawson, Brent

Correct.

1:14:45.75 --> 1:14:46.315

Lawson, Brent

Yep, go ahead, Chris.

1:14:48.415 --> 1:14:49.375

christopher bilodeau

Good morning, Brent.

1:14:49.535 --> 1:14:55.895

christopher bilodeau

If you could go back the slide to the pump coming into the bottom of the D box.

1:14:49.665 --> 1:14:50.185

Lawson, Brent

Call it.

1:14:57.405 --> 1:14:59.325

christopher bilodeau

Is that T required?

1:15:2.695 --> 1:15:3.975

Lawson, Brent

No, it's not required.

1:15:3.115 --> 1:15:6.355

christopher bilodeau

Or can they just kind of have it bubble up into the box?

1:15:7.385 --> 1:15:12.295

Lawson, Brent

I wouldn't have it bubble up into the box because it might be enough force that it's gonna pop the cover off.

1:15:13.265 --> 1:15:13.505

christopher bilodeau

OK.

1:15:13.505 --> 1:15:18.865

christopher bilodeau

So it should have something T 90 something to bend it OK.

1:15:15.185 --> 1:15:16.225

Lawson, Brent

Yeah. Yep.

1:15:18.345 --> 1:15:19.905

Lawson, Brent

Yes, exactly.

1:15:27.905 --> 1:15:29.305

Lawson, Brent

Tom, you got a question too.

1:15:29.925 --> 1:15:30.805

Milligan, Tom

Well, I just.

1:15:30.175 --> 1:15:30.495

BRUCE D. LABBE

Yeah.

1:15:31.965 --> 1:15:32.845

BRUCE D. LABBE

I can.

1:15:33.285 --> 1:15:34.325

BRUCE D. LABBE

I can tell you that.

1:15:34.445 --> 1:15:46.525

BRUCE D. LABBE

On the D box, it has happened on two of my jobs that I told the contractor to come up with a 90 and go back down with the 90 and he did not.

1:15:48.15 --> 1:15:48.975

BRUCE D. LABBE

The homeowner called me.

1:15:50.615 --> 1:15:56.335

BRUCE D. LABBE

Where of course he blew up on the bed and when we pulled the cover, that's exactly what happened.

1:15:57.55 --> 1:16:0.495

BRUCE D. LABBE

It came up, hit the cover and seaked out.

1:15:59.535 --> 1:15:59.655

Lawson, Brent

Hmm.

1:16:1.495 --> 1:16:4.295

BRUCE D. LABBE

So now I require all my contractors.

1:16:5.115 --> 1:16:11.435

BRUCE D. LABBE

To come up out of the ground with a 90 and then another 90 to go through the bottom of the box.

1:16:11.735 --> 1:16:13.415

Lawson, Brent

Yep. Yep, that's fine. Yep.

1:16:15.105 --> 1:16:16.65

BRUCE D. LABBE

Worked great.

1:16:16.505 --> 1:16:16.825

Lawson, Brent

Yep.

1:16:18.295 --> 1:16:19.775

Milligan, Tom

Yeah, this is the other Tom.

1:16:23.55 --> 1:16:25.335

Milligan, Tom

From experience, I've found that.

1:16:26.895 --> 1:16:31.855

Milligan, Tom

That appears to be the small size D box, and I've seen them fill up and.

1:16:34.375 --> 1:16:46.135

Milligan, Tom

Unequally distribute the flows various legs, so whenever I do a pump system, I make sure it's a full size standard D box and not one of these little boxes that could go in the field.

1:16:43.405 --> 1:16:43.525

Lawson, Brent

Hmm.

1:16:46.565 --> 1:16:49.165

Milligan, Tom

Just it's just an experience type thing.

1:16:47.835 --> 1:16:48.155

Lawson, Brent

Yeah.

1:16:49.615 --> 1:16:50.935

Lawson, Brent

That helps out quite a bit actually.

1:16:52.975 --> 1:16:53.895

Lawson, Brent

Yep. Good.

1:16:54.415 --> 1:16:55.535

Lawson, Brent

Thanks for your input.

1:17:10.975 --> 1:17:13.695

Lawson, Brent

Rises to facilitate pumping again to the.

1:17:16.335 --> 1:17:21.215

Lawson, Brent

To grade, and if there's a filter or pump in the tank that has to also go up there.

1:17:23.135 --> 1:17:31.535

Lawson, Brent

So you just can't put one over the pump and the filter. It needs two of them, just like it looks right there.

1:17:31.615 --> 1:17:37.695

Lawson, Brent

So you need one that facilitates pumping and another one that's over the pump and the filter.

1:17:38.435 --> 1:17:39.355

Lawson, Brent

For easy access.

1:17:42.125 --> 1:17:43.125

Lawson, Brent

So again.

1:17:43.985 --> 1:17:52.585

Lawson, Brent

Contractors. If this isn't on the 200 form, you still have to abide by the rules and you got to put these on there.

1:17:53.25 --> 1:18:8.545

Lawson, Brent

So when you go to bid for jobs, make sure you include that in your bid because that's going to be put on there and the plumbing inspector should be noticing this and saying that, listen, you know you only got one one of these, you also have to.

1:18:8.535 --> 1:18:11.865

Lawson, Brent

Have another one in the middle and that that's not only this one.

1:18:12.655 --> 1:18:13.175

Lawson, Brent

It's also.

1:18:13.645 --> 1:18:17.285

Lawson, Brent

So you know, but right here pump stations.

1:18:17.885 --> 1:18:19.445

Lawson, Brent

That's gonna have one to the grade.

1:18:21.55 --> 1:18:24.215

Lawson, Brent

Single tanks that don't, they don't have.

1:18:26.55 --> 1:18:27.15

Lawson, Brent

Pumps or filters?

1:18:27.375 --> 1:18:30.775

Lawson, Brent

That's still gonna have one that goes to finish grade.

1:18:32.575 --> 1:18:33.215

Lawson, Brent

That facilitates pumping.

1:18:35.855 --> 1:18:36.615

Lawson, Brent

This isn't.

1:18:40.545 --> 1:18:41.825

Lawson, Brent

This has been going OK.

1:18:41.825 --> 1:18:44.745

Lawson, Brent

There's still a handful of people out there that don't.

1:18:47.435 --> 1:18:48.275

Nick Melcher and Bryce Werzanski and Ben Knapp

Put it in the chat.

1:18:48.275 --> 1:18:49.75

Nick Melcher and Bryce Werzanski and Ben Knapp

Let's put it in the chat.

1:18:52.215 --> 1:18:52.535

Nick Melcher and Bryce Werzanski and Ben Knapp

Look up.

1:18:54.645 --> 1:19:0.365

Nick Melcher and Bryce Werzanski and Ben Knapp

Is this something? If you're doing a septic inspection, do you have to have these brought to grade?

1:19:1.855 --> 1:19:8.375

Nick Melcher and Bryce Werzanski and Ben Knapp

During an inspection, do you have to require the buyer to install risers or the seller to have risers installed?

1:19:9.875 --> 1:19:12.995

Lawson, Brent

Well, no, this is just for new installations.

1:19:13.785 --> 1:19:16.745

Nick Melcher and Bryce Werzanski and Ben Knapp

And you said the LP is supposed to be enforcing this.

1:19:16.895 --> 1:19:17.455

Lawson, Brent

Yes.

1:19:18.15 --> 1:19:18.335

Nick Melcher and Bryce Werzanski and Ben Knapp

OK.

1:19:19.815 --> 1:19:22.775

Nick Melcher and Bryce Werzanski and Ben Knapp

Because that's what we do is we do a lot of septic pumping too.

1:19:22.775 --> 1:19:31.655

Nick Melcher and Bryce Werzanski and Ben Knapp

And I can tell you the majority of the new tanks in the area that we deal with do not have multiple risers. And you'll be really lucky if they have them on the filter.

1:19:31.655 --> 1:19:33.815

Nick Melcher and Bryce Werzanski and Ben Knapp

Most customers don't even know they have filters.

1:19:34.255 --> 1:19:36.215

Lawson, Brent

Yeah, right. Right. Yeah, no.

1:19:35.375 --> 1:19:35.735

Nick Melcher and Bryce Werzanski and Ben Knapp

So it's not.

1:19:36.415 --> 1:19:38.335

Nick Melcher and Bryce Werzanski and Ben Knapp  
It's the middle of the winter time too.

1:19:38.335 --> 1:19:39.415

Nick Melcher and Bryce Werzanski and Ben Knapp  
That's the other thing.

1:19:39.415 --> 1:19:40.655

Nick Melcher and Bryce Werzanski and Ben Knapp  
Like this is great for that.

1:19:40.655 --> 1:19:48.415

Nick Melcher and Bryce Werzanski and Ben Knapp  
But the T and the D box thing when it comes to thawing a frozen line. If you have to disassemble the pump, it makes it tricky to try to thaw the D box.

1:19:48.845 --> 1:19:51.645

Nick Melcher and Bryce Werzanski and Ben Knapp  
Having the T on the effluent line.

1:19:51.785 --> 1:19:53.265

Lawson, Brent  
Oh sure sure does.

1:19:52.855 --> 1:20:3.815

Nick Melcher and Bryce Werzanski and Ben Knapp  
The other two is some of these newer acquired fields require venting to the D box and we're finding the venting to the D box will allow the field to freeze much easier too.

1:19:58.845 --> 1:19:59.325

Lawson, Brent  
Yeah.

1:20:3.855 --> 1:20:7.695

Nick Melcher and Bryce Werzanski and Ben Knapp  
So charcoal filters or lack of airflow, but still allow the venting.

1:20:7.735 --> 1:20:11.135

Nick Melcher and Bryce Werzanski and Ben Knapp

But don't allow like Backdraft from when helped tremendously.

1:20:12.375 --> 1:20:13.15

Lawson, Brent

That's good to know.

1:20:16.725 --> 1:20:17.565

Lawson, Brent

Good. Thank you.

1:20:20.305 --> 1:20:20.985

Lawson, Brent

Yeah, go ahead.

1:20:24.135 --> 1:20:25.455

Lawson, Brent

Did the other one had their hand up?

1:20:27.585 --> 1:20:29.185

Rick Licht

I do, Rick.

1:20:30.615 --> 1:20:31.295

Rick Licht

Is it my turn yet?

1:20:31.685 --> 1:20:32.365

Lawson, Brent

Yeah, go ahead.

1:20:32.815 --> 1:20:35.775

Rick Licht

So a question about the risers.

1:20:35.775 --> 1:20:45.455

Rick Licht

So if you got a tank that's to me inspecting the inlet and outlet specially, the outlet is is critical to know what's going on.

1:20:45.525 --> 1:20:54.725

Rick Licht

And so if you've got a tank, say that's a foot and a half deep for whatever reason, you're, and you don't have a pump, then your primary riser in the center of the tank is going to be degrade.

1:20:56.695 --> 1:21:0.935

Rick Licht

So there should be a riser. You're saying over the outlet.

1:21:2.615 --> 1:21:5.215

Rick Licht

And manifold up to the six inches of the of the surface.

1:21:5.215 --> 1:21:6.975

Rick Licht

Is the code correct?

1:21:8.825 --> 1:21:11.785

Lawson, Brent

If if there's a pump or a filter, yes.

1:21:11.825 --> 1:21:13.345

Lawson, Brent

Well, that has to be the great but.

1:21:14.855 --> 1:21:15.735

Lawson, Brent

I don't believe.

1:21:17.295 --> 1:21:18.495

Lawson, Brent

It said anything about.

1:21:20.215 --> 1:21:23.655

Lawson, Brent

Risers that aren't either in the middle to facilitate pumping.

1:21:24.595 --> 1:21:25.195

Rick Licht

OK.

1:21:25.375 --> 1:21:28.535

Lawson, Brent

Or like say that say that picture we're looking at right now on the left hand side.

1:21:29.285 --> 1:21:29.685

Rick Licht

Yep.

1:21:30.215 --> 1:21:38.135

Lawson, Brent

So that's got two rises on it now. If the homeowner or site evaluator would like another riser to the left of that.

1:21:39.185 --> 1:21:41.145

Lawson, Brent

Then that can be to six inches of grade.

1:21:41.475 --> 1:21:41.955

Rick Licht

OK.

1:21:42.115 --> 1:21:46.835

Rick Licht

It's not required then if it's not a filter, you know not a filter or a a pump.

1:21:42.325 --> 1:21:44.485

Lawson, Brent

It's all right.

1:21:46.835 --> 1:21:50.315

Rick Licht

It's not required, but I'm just thinking about even my own tank when I get it pumped.

1:21:50.355 --> 1:21:57.275

Rick Licht

I mean, I gotta go out my wife's garden and move some plants and dig down to my, you know, inlet and outlet baffles and and it's it's a pain.

1:21:57.275 --> 1:22:0.875

Rick Licht

It's not that deep, but you know. Yeah, yeah. OK.

1:21:57.785 --> 1:21:59.665

Lawson, Brent

Oh yeah, I know, I know it.

1:22:0.875 --> 1:22:5.755

Rick Licht

So it's not required, but a good idea if you do have a deeper tank to require, at least, maybe.

1:22:6.375 --> 1:22:6.455

Rick Licht

A.

1:22:6.535 --> 1:22:10.495

Rick Licht

A 12 inch ring or something over your over your outlet or something like that. If you don't have a filter.

1:22:10.905 --> 1:22:11.225

Lawson, Brent

Sure.

1:22:11.755 --> 1:22:12.315

Rick Licht

OK.

1:22:12.435 --> 1:22:13.275

Rick Licht

Thank you.

1:22:13.15 --> 1:22:13.935

Lawson, Brent

Yep. Exactly. Yep.

1:22:14.365 --> 1:22:14.765

Rick Licht

Yep.

1:22:18.695 --> 1:22:20.815

Lawson, Brent

They're the ones who got their hand up, was it?

1:22:21.535 --> 1:22:22.15

Lawson, Brent

What was it?

1:22:22.65 --> 1:22:23.945

Pellegrino, Eli

I see Nick has his hand up.

1:22:31.465 --> 1:22:33.65

Lawson, Brent

Nick, you might. Oh, OK. OK.

1:22:32.85 --> 1:22:33.245

daniel ennis

Yeah. If not, I'll go.

1:22:33.525 --> 1:22:36.45

Nick Melcher and Bryce Werzanski and Ben Knapp

I had already spoke sorry about that.

1:22:37.605 --> 1:22:38.925

daniel ennis

No, you're good. You can go ahead.

1:22:41.275 --> 1:22:42.355

Nick Melcher and Bryce Werzanski and Ben Knapp

Nope, no, we're all set.

1:22:42.355 --> 1:22:44.555

Nick Melcher and Bryce Werzanski and Ben Knapp

He answered our questions with the inspection stuff.

1:22:44.555 --> 1:22:45.995

Nick Melcher and Bryce Werzanski and Ben Knapp

So you're all set. Thank you.

1:22:46.405 --> 1:22:47.805

daniel ennis

Oh, OK. Zerx. Yep.

1:22:46.505 --> 1:22:46.825

Lawson, Brent

OK.

1:22:48.85 --> 1:22:48.485

daniel ennis

All right.

1:22:48.485 --> 1:23:2.725

daniel ennis

So yeah, I just all of the precast contractors that I work with down here, you know I've asked them multiple times like hey, you know riders are required now why don't we just cast the risers into the lid?

1:23:2.725 --> 1:23:3.645

daniel ennis

Which you can do.

1:23:3.645 --> 1:23:4.485

daniel ennis

They will do for you.

1:23:4.485 --> 1:23:9.805

daniel ennis

It's, you know, it's a premium price or whatever, but it's they're like, well, we didn't realize it was a requirement.

1:23:4.765 --> 1:23:5.245

Lawson, Brent

Yeah.

1:23:9.925 --> 1:23:11.925

daniel ennis

You know, we thought it was just something people liked.

1:23:11.925 --> 1:23:13.765

daniel ennis

I'm like, no, it's been a requirement for two years.

1:23:13.765 --> 1:23:17.565

daniel ennis

So why do we even make tanks without risers cast in them?

1:23:17.805 --> 1:23:19.645

daniel ennis

Because it just needs a riser, right?

1:23:19.645 --> 1:23:22.645

daniel ennis

So it's like, why not just cast them every single time that way?

1:23:23.675 --> 1:23:34.915

daniel ennis

So I guess I was looking for clarification on why that, why that is a confusion like have we reached out to people to let everyone know 'cause there's a lot of new homes that get built every year. I see tanks go in with no risers, so.

1:23:35.285 --> 1:23:37.685

Lawson, Brent

Yeah, and the plumbing inspectors are supposed to be stopping this.

1:23:37.685 --> 1:23:38.885

Lawson, Brent

Evidently they're not.

1:23:39.805 --> 1:23:42.5

Lawson, Brent

But as far as the rises being casted.

1:23:43.125 --> 1:23:44.965

Lawson, Brent

You don't know how deep the tank's gonna be.

1:23:47.585 --> 1:23:49.505

daniel ennis

No, but you know, and they they know that.

1:23:49.505 --> 1:23:52.425

daniel ennis

And they have the extension rings right there at the site.

1:23:52.465 --> 1:23:57.745

daniel ennis

So if I go up to get a tank, I pay for the tank and I say, hey, I'm gonna need 24 inches of risers.

1:23:57.745 --> 1:24:1.905

daniel ennis

I can grab a handful of rings on the way out the door and that's precast that does that.

1:23:59.515 --> 1:24:3.635

Lawson, Brent

Yep, Yep. Right. OK. Yep.

1:24:1.905 --> 1:24:12.105

daniel ennis

So. So it's like, you know you you can do all of these things very easily because they just come in, you know, however 612 inch risers or whatever that just bolt together.

1:24:12.145 --> 1:24:14.185

daniel ennis

So I guess I was just curious if there maybe is.

1:24:14.895 --> 1:24:17.695

daniel ennis

An easy conversation to have of just calling a couple of people.

1:24:18.365 --> 1:24:22.325

daniel ennis

You know, local contractors that use the precast companies.

1:24:22.525 --> 1:24:29.245

daniel ennis

It's like I'm not saying enforce it, but maybe just a lot of people know that is a really easy route to make sure everything's done right.

1:24:28.295 --> 1:24:36.735

Lawson, Brent

Yeah, yeah, yeah. 'cause. Like, it's like like, you know, that's been in process for two years and you know it.

1:24:36.735 --> 1:24:42.175

Lawson, Brent

We don't expect every you know that to really ring the bell, you know within the first year of it.

1:24:42.175 --> 1:24:53.575

Lawson, Brent

I mean, we got to have people get used to it and but I mean, it's been 2 years now and we're still hearing, you know, a lot of plumbing inspectors aren't enforcing the rises, so.

1:24:54.295 --> 1:24:55.575

Lawson, Brent

That's another reason for this.

1:24:57.255 --> 1:24:57.415

Lawson, Brent

You know.

1:24:57.525 --> 1:25:0.645

Lawson, Brent

Seminars is to get the word out even that much more.

1:25:4.905 --> 1:25:5.385

Lawson, Brent

Bruce.

1:25:7.285 --> 1:25:10.405

BRUCE D. LABBE

Have you seen these green fiberglass like risers?

1:25:12.325 --> 1:25:15.685

Lawson, Brent

Either one either. Yeah. Yep, that's fine.

1:25:14.855 --> 1:25:24.135

BRUCE D. LABBE

The code states that you have to use if you're going to use a riser. It has to be the same material as the tank.

1:25:26.305 --> 1:25:27.425

BRUCE D. LABBE

Code states that.

1:25:29.125 --> 1:25:29.645

BRUCE D. LABBE

So.

1:25:29.295 --> 1:25:31.495

Lawson, Brent

So actually that so that would be cast.

1:25:31.495 --> 1:25:39.255

Lawson, Brent

I mean, yeah, that would have to be cast in the cement ones and the green fiberglass risers could be put on the the fiberglass tanks.

1:25:34.935 --> 1:25:35.735

BRUCE D. LABBE

Well.

1:25:41.405 --> 1:25:42.445

BRUCE D. LABBE

I I tell them.

1:25:41.975 --> 1:25:49.55

daniel ennis

I'm not sure where that comes from, but I don't think that's true. 'cause we put green polylock risers on concrete tanks everyday. So.

1:25:48.885 --> 1:25:50.285

Lawson, Brent

Well, I thought. Yeah, I thought so.

1:25:51.15 --> 1:25:52.255

BRUCE D. LABBE

Well, can we?

1:25:52.655 --> 1:26:0.935

BRUCE D. LABBE

How can we change that code then 'cause that's what the code states. If I put a riser, it has to be the same material as the tank.

1:26:1.985 --> 1:26:3.265

BRUCE D. LABBE

That's what the code states.

1:26:5.205 --> 1:26:5.565

Lawson, Brent

All right.

1:26:5.565 --> 1:26:8.405

Lawson, Brent

I mean, if that's so, then we'd have to change that too, because.

1:26:8.145 --> 1:26:8.345

BRUCE D. LABBE

Check.

1:26:9.855 --> 1:26:10.135

Lawson, Brent

You know.

1:26:11.995 --> 1:26:16.795

BRUCE D. LABBE

That is so because I tell the contractors that when they put them in because.

1:26:12.55 --> 1:26:12.575

Lawson, Brent

They should.

1:26:18.655 --> 1:26:19.135

BRUCE D. LABBE

The cont.

1:26:20.775 --> 1:26:35.295

BRUCE D. LABBE

Ract that makes the tanks also make these now one of the issues is the pumpers saying that, you know, in the heat of battle when they get there and they take the four inch pipe and they send it down with that big strainer on it.

1:26:36.855 --> 1:26:40.615

BRUCE D. LABBE

The crack that grain riser, that fiberglass riser.

1:26:41.605 --> 1:26:43.965

BRUCE D. LABBE

It's it's not very, very tough.

1:26:45.415 --> 1:26:47.335

BRUCE D. LABBE

And besides that.

1:26:46.635 --> 1:26:50.35

daniel ennis

I mean at the same time, those risers are rated for traffic, so.

1:26:51.145 --> 1:27:1.945

BRUCE D. LABBE

Well, as long as whatever the code states, the other thing up here, Northern Maine, if your riser, the pumpers can't find it, they're not gonna pump the tank.

1:27:3.965 --> 1:27:5.805

BRUCE D. LABBE

So it's a great idea for the risers.

1:27:5.925 --> 1:27:7.45

BRUCE D. LABBE

As far as I'm concerned.

1:27:7.275 --> 1:27:8.595

Lawson, Brent

Yeah, right. Right.

1:27:10.975 --> 1:27:11.895

Lawson, Brent

Yeah, we'll have to.

1:27:11.455 --> 1:27:14.255

BRUCE D. LABBE

But we can look at that for the.

1:27:16.265 --> 1:27:17.225

BRUCE D. LABBE

I'd like to get.

1:27:18.735 --> 1:27:19.535

BRUCE D. LABBE

Direction on it.

1:27:23.435 --> 1:27:28.995

Lawson, Brent

Well, I mean as far as can you, can you see if you can find that the code I can't get my code book up.

1:27:29.715 --> 1:27:30.675

BRUCE D. LABBE

Yeah, I'll find it.

1:27:30.785 --> 1:27:34.265

Lawson, Brent

Yeah. Find find it and let me let us know exactly what it says.

1:27:34.265 --> 1:27:35.185

Lawson, Brent

And then we can.

1:27:35.465 --> 1:27:37.505

Lawson, Brent

We can tweak the issue from there.

1:27:38.195 --> 1:27:38.955

BRUCE D. LABBE

Sure.

1:27:39.15 --> 1:27:39.895

Lawson, Brent

OK. Thanks.

1:27:40.485 --> 1:27:41.205

BRUCE D. LABBE

Thank you.

1:27:43.295 --> 1:27:44.615

Lawson, Brent

Anybody else got a question?

1:27:49.835 --> 1:27:50.475

Thomas Hurd

Yeah, I do.

1:27:51.225 --> 1:27:51.545

Lawson, Brent

OK.

1:27:51.545 --> 1:27:52.65

Lawson, Brent

Go ahead.

1:27:52.855 --> 1:28:8.495

Thomas Hurd

The I I I wrote the question as well, but I I know of two properties one I'm looking to actually buy, but I know the septic tanks have been frozen up before because of little use and the top of the tank is actually at ground level doesn't need.

1:28:8.495 --> 1:28:8.695

Thomas Hurd

A riser.

1:28:8.695 --> 1:28:9.775

Thomas Hurd

The covers are exposed.

1:28:11.895 --> 1:28:17.175

Thomas Hurd

And I'm wondering, shouldn't there be some depth requirement for the tank itself to prevent it from freezing?

1:28:18.515 --> 1:28:27.235

Lawson, Brent

Well, it does say in the rule book that every component should be frost protected, so they should have used something on there.

1:28:27.235 --> 1:28:35.115

Lawson, Brent

Either you know the two inch styrene on top of the tank or or put more fill over it or something to prevent that from freezing.

1:28:35.935 --> 1:28:37.615

Thomas Hurd

Yeah, 'cause, I know both of them.

1:28:37.615 --> 1:28:38.655

Thomas Hurd

I know it froze up.

1:28:38.655 --> 1:28:44.895

Thomas Hurd

And the one I'm looking the property I'm looking to buy, I was looking for the septic tank and the whole tank is right at ground level.

1:28:45.125 --> 1:28:45.405

Lawson, Brent

Yeah.

1:28:47.335 --> 1:28:49.815

Lawson, Brent

Jeez, that's especially when they're not using.

1:28:49.815 --> 1:28:54.895

Lawson, Brent

If they're using it, you know it may, you know, generate enough heat so it wouldn't freeze.

1:28:54.895 --> 1:28:59.55

Lawson, Brent

But if it's, you know, if nobody's in the house and they're not using it, yeah, that would.

1:28:59.55 --> 1:29:1.895

Lawson, Brent

That would freeze up very easily.

1:29:2.425 --> 1:29:11.145

Thomas Hurd

Because I know in this one particular case a little old lady owned the house and when it froze up, she just went to the upstairs bathroom. So it 'cause that one worked still.

1:29:14.55 --> 1:29:16.175

Lawson, Brent

Well, worked for a little while, right?

1:29:16.625 --> 1:29:17.505

Thomas Hurd

Oh, it kept working.

1:29:17.505 --> 1:29:20.665

Thomas Hurd

The problem is they needed to clean the downstairs bathroom out with buckets.

1:29:20.905 --> 1:29:21.985

Lawson, Brent

Oh geez.

1:29:23.235 --> 1:29:24.355

Thomas Hurd

Because it froze up.

1:29:24.535 --> 1:29:27.575

Lawson, Brent

Yeah, yeah.

1:29:27.575 --> 1:29:28.615

Lawson, Brent

And you know again.

1:29:30.495 --> 1:29:37.135

Lawson, Brent

You know, you're kind of looking at the, you know, point in the direction at the, you know, the plumbing aspect of when it was put in because.

1:29:39.255 --> 1:29:48.775

Lawson, Brent

If it's that close to the ground, you know they should know. It would freeze, so they should have made the contract to put, you know, at least insulation over it or something.

1:29:50.65 --> 1:29:55.945

Thomas Hurd

Yeah, I mean, I've set them as close as 6 inches, but I've never set one at at ground level.

1:29:55.935 --> 1:29:57.175

Lawson, Brent

Yeah, right.

1:29:58.655 --> 1:30:3.575

Lawson, Brent

And again, you know hence comes a problem when, like, somebody's trying to sell the house and they're already moved out.

1:30:3.935 --> 1:30:7.775

Lawson, Brent

They're not generating anything like schooling in the tank, so it's freezing a lot easier.

1:30:8.315 --> 1:30:8.435

Thomas Hurd

Yep.

1:30:13.15 --> 1:30:14.15

Lawson, Brent

Right. Thank you.

1:30:17.175 --> 1:30:18.495

Lawson, Brent

All right, we'll keep going.

1:30:21.785 --> 1:30:33.585

Lawson, Brent

So there's that. What was just asked shortly ago was that extra riser that can be within 6 inches because that's not part of the code as far as going to the surface.

1:30:36.645 --> 1:30:37.925

Lawson, Brent

Seasonal conversion.

1:30:42.315 --> 1:30:54.275

Lawson, Brent

As far as this goes to the plumbing inspection, so as far as somebody coming in wanting seasonal conversion, they have to have a cost documentation of their septic system.

1:30:54.345 --> 1:30:57.425

Lawson, Brent

They cannot have a holding tank to do seasonal conversion.

1:30:58.145 --> 1:31:9.625

Lawson, Brent

They have to if they have a new system put in or there's an existing system there, they have to meet the set back distances to the limit of the LP is authority.

1:31:11.435 --> 1:31:13.715

Lawson, Brent

And that's in the replacement system?

1:31:13.715 --> 1:31:19.715

Lawson, Brent

Setbacks if they meet that, then they're fine. If they don't meet that, like just say for instance.

1:31:22.515 --> 1:31:23.275

Lawson, Brent

A well.

1:31:24.225 --> 1:31:27.985

Lawson, Brent

To a disposal field, first time system has to be 100 feet.

1:31:29.515 --> 1:31:33.275

Lawson, Brent

Replacement system can be 60, so if that well.

1:31:34.915 --> 1:31:45.595

Lawson, Brent

It's 59 feet away from that disposal field. They cannot do a seasonal conversion and then the owners cannot put a liner down that well to well.

1:31:45.595 --> 1:31:49.235

Lawson, Brent

They can, but it still doesn't meet the set back distances.

1:31:50.805 --> 1:31:55.765

Lawson, Brent

So you gotta, you know, make sure you're aware of this. As far as seasonal conversion goes.

1:31:59.115 --> 1:32:1.635

Lawson, Brent

There's there's a what?

1:32:1.635 --> 1:32:2.635

Lawson, Brent

I was just talking about.

1:32:4.155 --> 1:32:6.315

Lawson, Brent

Right in the the local variances.

1:32:7.955 --> 1:32:21.155

Lawson, Brent

A variance that deals with soils is an automatic state variance requirement in the shore land zone is 15 inches of soil is needed. So when a site evaluator goes out in the shoreland zone which is 250 feet.

1:32:22.465 --> 1:32:29.905

Lawson, Brent

He's gonna have at least 15 inches of soil before he hits a limiting factor, which is either seasonal groundwater or bedrock.

1:32:30.65 --> 1:32:30.665

Lawson, Brent

Or whatever.

1:32:32.155 --> 1:32:35.155

Lawson, Brent

Now that's a first time system out of the Shoal land zone.

1:32:35.195 --> 1:32:38.475

Lawson, Brent

You only need 9 inches again first time system.

1:32:41.315 --> 1:32:51.915

Lawson, Brent

In either one of those instances, if it's a replacement system, they still have to have those, but if they can't, then they have. They write up a variance.

1:32:52.615 --> 1:32:57.415

Lawson, Brent

For it which you know our our job is not to kick people out of their house.

1:32:57.415 --> 1:33:0.575

Lawson, Brent

So we try to work with them and make it as easy as possible.

1:33:4.435 --> 1:33:11.635

Lawson, Brent

So basically what that's saying, you're inside the shoreland zone and you have 15 inches right there. That the sighted Bay away to hit.

1:33:14.855 --> 1:33:25.615

Lawson, Brent

Outside the SHORELAND owns 9 inches, so without a restrictive layer, water table or bedrock cannot be within those measurements.

1:33:31.455 --> 1:33:32.335

Lawson, Brent

Seasonal conversion.

1:33:32.335 --> 1:33:34.455

Lawson, Brent

That's a separate permit. It says right there.

1:33:34.455 --> 1:33:35.575

Lawson, Brent

Seasonal conversion.

1:33:35.975 --> 1:33:37.415

Lawson, Brent

So if they have to have.

1:33:39.235 --> 1:33:39.275

Lawson, Brent

A.

1:33:39.275 --> 1:33:40.995

Lawson, Brent

A full system if they have a new system.

1:33:42.595 --> 1:33:45.515

Lawson, Brent

That if the site evaluator does not know.

1:33:47.275 --> 1:33:52.835

Lawson, Brent

That this is what they're trying to. This is what their goal is to get a seasonal conversion permit.

1:33:54.305 --> 1:33:59.185

Lawson, Brent

Then you know he could, you know, run up anything as far as the setbacks go and do variances.

1:34:0.25 --> 1:34:2.105

Lawson, Brent

Underneath the LP is authority.

1:34:2.225 --> 1:34:6.145

Lawson, Brent

So the site evaluator has to know what what their goal is. So.

1:34:7.505 --> 1:34:17.65

Lawson, Brent

I know nobody has control over this, but the homeowner needs to tell them that this is what their goal is and they need to get all the setbacks that they can.

1:34:18.635 --> 1:34:21.275

Lawson, Brent

And that's really the only way the city, by the way, is gonna know.

1:34:21.315 --> 1:34:22.355

Lawson, Brent

Unless they ask them.

1:34:24.555 --> 1:34:26.715

Lawson, Brent

So again, that's a that's a whole different permit.

1:34:28.515 --> 1:34:36.715

Lawson, Brent

So if they if they do get a new system put in, they have a permit that meets all the setbacks, but it's still seasonal.

1:34:38.425 --> 1:34:52.265

Lawson, Brent

Because they haven't done the the seasonal conversion permit yet, then the homeowners go into the plumbing inspector. With this just a front page and, you know, check off seasonal conversion.

1:34:52.425 --> 1:35:0.305

Lawson, Brent

They get a seasonal conversion permit for the plumbing inspector, and usually the plumbing inspector staples that right on to the new design.

1:35:1.715 --> 1:35:2.355

Lawson, Brent

And they're good.

1:35:5.155 --> 1:35:5.315

Lawson, Brent

OK.

1:35:7.835 --> 1:35:10.755

Lawson, Brent

Water softeners, water treatment systems.

1:35:12.835 --> 1:35:19.115

Lawson, Brent

Now this this code is only for residential water softeners and iron systems.

1:35:19.875 --> 1:35:21.435

Lawson, Brent

Residential non commercial.

1:35:23.795 --> 1:35:26.35

Lawson, Brent

These are on the internal plumbing permit.

1:35:27.855 --> 1:35:30.255

Lawson, Brent

Conditions for alternative disposal approval.

1:35:31.385 --> 1:35:33.225

Lawson, Brent

You know basically.

1:35:40.245 --> 1:35:41.85

Lawson, Brent

Go this one.

1:35:41.785 --> 1:35:45.265

Lawson, Brent

I'm not gonna read each one of these, but this is in the rule book.

1:35:45.505 --> 1:35:55.345

Lawson, Brent

These are all the conditions to sum it up a little bit is the outlet the drain for the water softeners or the iron systems?

1:35:56.185 --> 1:35:57.985

Lawson, Brent

Can be put right outside the wall.

1:35:59.635 --> 1:36:10.155

Lawson, Brent

As long as it meets first time system setbacks like from the well which is 100 feet, it can't cause erosion.

1:36:11.675 --> 1:36:14.435

Lawson, Brent

It can't be in a wetland, you know, stuff like that.

1:36:14.435 --> 1:36:16.355

Lawson, Brent

It cannot go out the perimeter drain.

1:36:16.515 --> 1:36:17.995

Lawson, Brent

That's a whole different thing.

1:36:19.675 --> 1:36:30.795

Lawson, Brent

So as you know, it's as long as it meets all those setbacks. And again these this is for site evaluators, employment inspectors then that can go right out there. If it doesn't meet that.

1:36:31.505 --> 1:36:33.705

Lawson, Brent

They have to put it into a septic system.

1:36:34.265 --> 1:36:46.665

Lawson, Brent

Either have a grey water system designed, or a laundry system designed for that to go in or expand their existing septic system, so that'll handle the discharge of the water treatment systems.

1:36:51.385 --> 1:37:1.425

Lawson, Brent

The municipality reserves the authority on a local ordinance to require the treatment unit discharge to empty into a septic system or Gray water system.

1:37:1.825 --> 1:37:6.385

Lawson, Brent

So just because the water softeners and the water treatments.

1:37:7.825 --> 1:37:9.25

Lawson, Brent

Can be put right out the sill.

1:37:9.825 --> 1:37:12.225

Lawson, Brent

Doesn't mean the town's gonna let you do that.

1:37:12.465 --> 1:37:15.25

Lawson, Brent

So whoever's doing it, I don't know.

1:37:15.385 --> 1:37:17.505

Lawson, Brent

You gotta be a master plumber to put them in.

1:37:17.905 --> 1:37:23.905

Lawson, Brent

Even the water softener companies, they gotta have a master plumber to do that and.

1:37:25.355 --> 1:37:29.115

Lawson, Brent

So this is more towards them I suppose, but it's also to the plumbing inspector.

1:37:35.605 --> 1:37:36.925

Lawson, Brent

Covering the disposal field.

1:37:36.925 --> 1:37:52.5

Lawson, Brent

Stone, the disposal field stone must be covered with a layer of filter fabric as a laying of the distribution pipes progresses, so filter fabric gonna be 4 oz per square foot square yard.

1:37:52.5 --> 1:37:56.365

Lawson, Brent

Excuse me. That's the ASTM number that should be on there.

1:38:0.585 --> 1:38:5.65

Lawson, Brent

So that you know that it can't be, as you all know.

1:38:6.595 --> 1:38:8.435

Lawson, Brent

The plastic weed control.

1:38:10.235 --> 1:38:11.235

Lawson, Brent

Because that's not gonna work.

1:38:11.235 --> 1:38:12.555

Lawson, Brent

Is gonna breathe a little bit.

1:38:12.555 --> 1:38:14.195

Lawson, Brent

It's gonna be that type of fabric.

1:38:15.835 --> 1:38:16.195

Lawson, Brent

No more hay.

1:38:16.435 --> 1:38:19.275

Lawson, Brent

Hay cannot be used anymore since 2023.

1:38:21.715 --> 1:38:26.635

Lawson, Brent

Because we all know in the old rule book, it said two inches of compressed a.

1:38:26.995 --> 1:38:29.835

Lawson, Brent

We all know there's not one septic system. Well, maybe.

1:38:30.145 --> 1:38:34.745

Lawson, Brent

You wanted to in the state of Maine that has two inches of compressed hay on it.

1:38:36.665 --> 1:38:39.105

Lawson, Brent

So This is why we went with no more hay.

1:38:39.505 --> 1:38:40.945

Lawson, Brent

Get it all the same thing.

1:38:40.945 --> 1:38:44.545

Lawson, Brent

All filter fabric, everybody is on the same page.

1:38:44.665 --> 1:38:47.145

Lawson, Brent

We're all set, it seems to be working fine so far.

1:38:49.845 --> 1:39:7.485

Lawson, Brent

Short term rental means again this is towards a site evaluator means any building,

cottage cabins or other habitable structure that is rented for lodging purposes for a period of time that does not exceed 30 continuous days.

1:39:9.425 --> 1:39:12.865

Lawson, Brent

So design flows for short term rentals.

1:39:13.265 --> 1:39:21.745

Lawson, Brent

The site evaluator, if they have a short term rental and of course again, they're not gonna know until somebody tells them.

1:39:22.65 --> 1:39:30.505

Lawson, Brent

But if it does have a short term rental, they can. They can put an adjusted design flow of more than what is needed.

1:39:30.505 --> 1:39:36.305

Lawson, Brent

So let's say there's a two-bedroom short term rental, 90 gallons per day per bedroom.

1:39:36.305 --> 1:39:37.865

Lawson, Brent

So there's 180 gallons a day.

1:39:38.635 --> 1:39:42.715

Lawson, Brent

The site evaluator has authorized that they think because it's a short term.

1:39:43.65 --> 1:39:48.425

Lawson, Brent

Rental is gonna be abused more so they can actually add another 90 gallons per day onto it.

1:39:50.355 --> 1:39:52.75

Lawson, Brent

They're well within their right to do so.

1:39:52.75 --> 1:39:53.395

Lawson, Brent

That protects them as well.

1:39:55.555 --> 1:39:56.555

Lawson, Brent

So I think that's a good idea.

1:39:58.235 --> 1:40:1.955

Lawson, Brent

Primitive limited systems. Again, temporary portable toilets.

1:40:1.955 --> 1:40:2.955

Lawson, Brent

We already went through that.

1:40:4.995 --> 1:40:6.515

Lawson, Brent

This is stuff that we found.

1:40:8.355 --> 1:40:12.275

Lawson, Brent

This person used that alternative toilet as.

1:40:13.585 --> 1:40:13.625

Lawson, Brent

A.

1:40:15.65 --> 1:40:20.145

Lawson, Brent

You know, a regular toilet and they had a bathroom and everything, so, but they didn't put a flush in.

1:40:22.155 --> 1:40:31.675

Lawson, Brent

That's what they used. Until, you know, we found out that they had it and the plumbing inspector put a stop to it and made him get a full design.

1:40:34.525 --> 1:40:38.325

Lawson, Brent

And this is when you go for a little ride and you hopefully nobody's inside of that.

1:40:39.835 --> 1:40:43.675

Lawson, Brent

Because they're not anchored down, as you saw before, as the wind picked it up.

1:40:45.925 --> 1:40:57.725

Lawson, Brent

And then, you know, inboard outboard, these are floating at a campground and it's just, you know, the the river came up a little bit and these are way too close.

1:40:59.835 --> 1:41:3.795

Lawson, Brent

To the high watermark and just there you go. Started flowing away.

1:41:8.45 --> 1:41:12.605

Lawson, Brent

Bill for soil that's been changed again.

1:41:12.605 --> 1:41:14.565

Lawson, Brent

This is more for site evaluators.

1:41:14.725 --> 1:41:22.285

Lawson, Brent

Soil inside the Shoreland area must be in place at least 40 years outside the shoreland zone.

1:41:22.285 --> 1:41:23.885

Lawson, Brent

Phil must be in place for 20 years.

1:41:25.765 --> 1:41:26.925

Lawson, Brent

Now you can either.

1:41:27.325 --> 1:41:35.245

Lawson, Brent

They can either check with the local plumbing inspector, see if anything has been done, or look on Google Maps or or whatever.

1:41:35.515 --> 1:41:36.955

Lawson, Brent

Usually that'll give you a hand.

1:41:38.925 --> 1:41:44.85

Lawson, Brent

But yeah, that's that's with that one removal of microfiche permit search.

1:41:44.85 --> 1:41:45.725

Lawson, Brent

We don't have that anymore.

1:41:45.725 --> 1:41:50.605

Lawson, Brent

We do have a permit search online on our web page that you can find.

1:41:53.365 --> 1:41:54.445

Lawson, Brent

I'm not sure.

1:41:57.745 --> 1:41:58.345

Lawson, Brent

Let's see.

1:41:58.785 --> 1:42:2.65

Lawson, Brent

Oh, next time Eli comes on, we'll have to ask her a question.

1:42:5.975 --> 1:42:6.655

Pellegrino, Eli

I'm here.

1:42:6.185 --> 1:42:10.25

Lawson, Brent

So hey, Eli. So as far as?

1:42:12.165 --> 1:42:15.525

Lawson, Brent

The permits that we get in at what date?

1:42:16.5 --> 1:42:19.765

Lawson, Brent

What's the closest date to now that they're they've been scanned?

1:42:22.515 --> 1:42:26.755

Pellegrino, Eli

I believe that Mickey is scanning as we're going.

1:42:26.795 --> 1:42:35.555

Pellegrino, Eli

I don't know exactly how far back it is, but I mean I think only at most a couple of months.

1:42:37.85 --> 1:42:41.165

Pellegrino, Eli

From after we receive the permit. So if a town sends us a permit.

1:42:42.805 --> 1:42:47.645

Pellegrino, Eli

That was like from last year. It still will be a couple of months for us to get it in.

1:42:47.805 --> 1:42:51.45

Pellegrino, Eli

It might be even faster than that, but I don't wanna say that it's.

1:42:48.195 --> 1:42:48.875

Lawson, Brent

Oh good.

1:42:52.395 --> 1:42:55.115

Pellegrino, Eli

You know, I don't want to say that it's faster than that and it's not.

1:42:53.385 --> 1:42:55.985

Lawson, Brent

Right, right.

1:42:56.385 --> 1:43:2.545

Lawson, Brent

So I mean, it's all me people looking for something at the beginning of 2025 should be able to see something.

1:43:2.265 --> 1:43:2.665

jeff kilburn

Please stop.

1:43:3.345 --> 1:43:13.265

Pellegrino, Eli

They should be assuming that the town sent us the permit at the beginning of 2025 because we have a lot of towns that will send us permits.

1:43:3.715 --> 1:43:4.35

Lawson, Brent

Bed.

1:43:8.185 --> 1:43:9.425

Lawson, Brent

Right, right.

1:43:13.425 --> 1:43:18.865

Pellegrino, Eli

Not a lot, but a good number of towns that send us permits once a year, so we might not even have that permit yet.

1:43:19.245 --> 1:43:19.765

Lawson, Brent

OK.

1:43:19.845 --> 1:43:20.165

Lawson, Brent

All right.

1:43:20.165 --> 1:43:20.845

Lawson, Brent

Thank you.

1:43:21.275 --> 1:43:21.395

Pellegrino, Eli

Hmm.

1:43:23.615 --> 1:43:26.695

Lawson, Brent

So the first thing you do is call big save.

1:43:29.415 --> 1:43:32.255

Lawson, Brent

Make sure they're there installation is started.

1:43:33.965 --> 1:43:37.685

Lawson, Brent

Erosion control gets set up and.

1:43:41.545 --> 1:43:42.705

Lawson, Brent

First step is grubbing.

1:43:43.185 --> 1:43:53.25

Lawson, Brent

So the area under the disposal area must have the organic soil horizon removed, including but not limited to all the stumps and the roots.

1:43:54.605 --> 1:43:57.645

Lawson, Brent

So as far as grubbing scaphification.

1:43:59.325 --> 1:44:1.165

Lawson, Brent

The fill extensions of the system.

1:44:2.725 --> 1:44:3.925

Lawson, Brent

Is part of that disposal area.

1:44:5.725 --> 1:44:8.845

Lawson, Brent

So that all has to be grubbed and scarified.

1:44:11.595 --> 1:44:16.435

Lawson, Brent

And the transitional horizon done even underneath those fill extensions.

1:44:20.415 --> 1:44:21.655

Lawson, Brent

Again right there, full extensions.

1:44:24.265 --> 1:44:28.905

Lawson, Brent

So this is the area that would have to have to have to be grubbed and.

1:44:31.645 --> 1:44:32.565

Lawson, Brent

Scarified.

1:44:34.285 --> 1:44:35.885

Lawson, Brent

It has a PowerPoint will be available.

1:44:39.165 --> 1:44:39.765

Lawson, Brent

After.

1:44:41.325 --> 1:44:41.565

Lawson, Brent

So.

1:44:46.155 --> 1:44:49.195

Lawson, Brent

They are grubbing, getting all the grass out of the way.

1:44:53.305 --> 1:44:54.505

Lawson, Brent

Scarifying the site.

1:44:54.505 --> 1:45:6.25

Lawson, Brent

The area under the disposal area must be thoroughly roughened if plowing is used, it

must be done parallel to the topographic contour in such a direction that each plow furrow.

1:45:8.85 --> 1:45:14.125

Lawson, Brent

Will be thrown up slope. The soil should be broken up to a depth of 6 to 8 inches.

1:45:14.645 --> 1:45:19.885

Lawson, Brent

Alternately, a rototiller or teeth of a backhoe or frost tooth may be used.

1:45:26.375 --> 1:45:28.655

Lawson, Brent

So again, there's another picture of scarification.

1:45:30.235 --> 1:45:30.435

Lawson, Brent

Umm.

1:45:33.255 --> 1:45:36.535

Lawson, Brent

Why don't we stop right there and take like a 15 minute break?

1:45:37.875 --> 1:45:41.355

Lawson, Brent

And then we'll resume this at 11:00.

1:45:46.655 --> 1:45:48.135

Lawson, Brent

Alright, we'll see you back at 11.

1:45:48.785 --> 1:45:48.945

jeff kilburn

OK.

1:45:52.275 --> 1:45:52.995

jeff kilburn

All right.

1:45:54.435 --> 1:45:56.195

jeff kilburn

Going to take you off crazy dog.

1:46:5.755 --> 1:46:6.515

jeff kilburn

Thank you.

1:46:35.475 --> 1:46:35.995

Lawson, Brent

Hi, papi.

1:46:38.885 --> 1:46:40.565

Lawson, Brent

Hey, puppy dog. Hey puppy dog.

1:46:57.985 --> 1:46:58.585

Joseph Brooks

Somebody.

1:47:2.435 --> 1:47:3.35

Lawson, Brent

How you doing?

1:48:35.115 --> 1:48:35.275

Joseph Brooks

OK.

1:51:45.905 --> 1:51:46.505

Lawson, Brent

Hey, Bobby doll.

1:56:9.225 --> 1:56:10.105

Joseph Brooks

Hey, Ashley.

1:56:16.295 --> 1:56:17.295

Joseph Brooks

Hey buddy, how are you?

1:56:19.325 --> 1:56:20.525

Joseph Brooks

You got to drink this.

1:56:27.995 --> 1:56:29.155

Joseph Brooks

I can't find it anywhere.

1:56:29.795 --> 1:56:33.435

Joseph Brooks

Just print it out, print IT, print those 5 pages.

1:56:38.35 --> 1:56:39.155

Joseph Brooks

OK, right click.

1:56:45.125 --> 1:56:46.965

Joseph Brooks

What does this end dockware?

1:56:47.205 --> 1:56:48.245

Joseph Brooks

No, it's weird.

1:56:48.765 --> 1:56:50.645

Joseph Brooks

Oh, sound right there in the highlight there.

1:56:51.485 --> 1:56:52.645

Joseph Brooks

Oh, there you go, man.

1:56:53.875 --> 1:56:57.355

Joseph Brooks

Oops, so small invitations.

1:56:57.355 --> 1:57:3.355

Joseph Brooks

Yeah, I'm gonna print off these, and then when I take erosion class, send all this \*\*\*\*\*

\*\*\*\* to.

1:56:59.935 --> 1:57:0.535

christopher bilodeau

Hey, Eli.

1:57:4.45 --> 1:57:4.605

Pellegrino, Eli

Yeah.

1:57:4.715 --> 1:57:5.155

Joseph Brooks

Mississippi.

1:57:5.945 --> 1:57:8.265

christopher bilodeau

One of the members, Rick, got disconnected.

1:57:8.265 --> 1:57:10.545

christopher bilodeau

He's sitting in the lobby waiting to be re let in.

1:57:9.885 --> 1:57:10.485

Joseph Brooks

Yes.

1:57:13.195 --> 1:57:14.675

Pellegrino, Eli

I just let somebody in.

1:57:14.915 --> 1:57:16.235

Pellegrino, Eli

Was it Robert Hass?

1:57:17.25 --> 1:57:18.145

christopher bilodeau

Rick Haas, yes.

1:57:17.635 --> 1:57:20.275

Joseph Brooks

I completely miss you AutoCAD one.

1:57:20.275 --> 1:57:21.35

christopher bilodeau

Thank you.

1:57:20.845 --> 1:57:22.885

Joseph Brooks

They changed and I thought they changed all.

1:57:20.965 --> 1:57:21.685

Pellegrino, Eli

Yep, no problem.

1:57:29.645 --> 1:57:29.765

BRUCE D. LABBE

Eli.

1:57:32.185 --> 1:57:32.705

Pellegrino, Eli

Yeah.

1:57:33.975 --> 1:57:35.175

BRUCE D. LABBE

Can you tell me?

1:57:35.175 --> 1:57:41.15

BRUCE D. LABBE

Well, I I saw a while ago someone flashed there was gonna be a PowerPoint available for this.

1:57:35.745 --> 1:57:36.785

Joseph Brooks

Can you see me?

1:57:43.295 --> 1:57:44.775

BRUCE D. LABBE

And how can we get with it?

1:57:46.165 --> 1:57:50.685

Pellegrino, Eli

Yeah. We will put the PowerPoint up on the website.

1:57:52.325 --> 1:57:55.765

Pellegrino, Eli

Probably at the same time that we put a link to the YouTube video.

1:57:57.805 --> 1:57:59.645

Pellegrino, Eli

That is going to be.

1:57:57.865 --> 1:57:58.625

BRUCE D. LABBE

OK.

1:58:2.115 --> 1:58:2.755

Pellegrino, Eli

Let's see.

1:58:3.635 --> 1:58:8.915

Pellegrino, Eli

They might be on two different pages on the website, but I'll send you. I'll put one of the pages in the chat.

1:58:10.365 --> 1:58:12.285

Pellegrino, Eli

And I'll send an e-mail out when all that is done.

1:58:13.335 --> 1:58:14.55

BRUCE D. LABBE

OK.

1:58:14.375 --> 1:58:15.95

BRUCE D. LABBE

Thank you.

1:58:15.565 --> 1:58:15.765

Pellegrino, Eli

Mm-hmm.

1:59:11.285 --> 1:59:12.525

Joseph Brooks

You are put on.

2:0:7.975 --> 2:0:9.615

Lawson, Brent

And we are back.

2:0:12.965 --> 2:0:19.445

Lawson, Brent

So we left off at. Let's see if there's a link. OK for anyone who missed it.

2:0:21.45 --> 2:0:22.805

Lawson, Brent

We left off at grubbing, I believe.

2:0:25.445 --> 2:0:36.525

Lawson, Brent

So again, the installation has started. Transitional rising comes play a minimum of four inches of backfill material must be mixed into the original soil.

2:0:36.885 --> 2:0:38.205

Lawson, Brent

Now that's it. If you already have.

2:0:38.515 --> 2:0:42.915

Lawson, Brent

Have like 5 or 6 soil which is like gravelly sand, stuff like that.

2:0:42.915 --> 2:0:44.155

Lawson, Brent

Then the transition horizon.

2:0:44.155 --> 2:0:47.395

Lawson, Brent

The cost doesn't have to be done because that's what it is.

2:0:47.915 --> 2:0:51.435

Lawson, Brent

But if it's anything you know, like siltier.

2:0:52.875 --> 2:0:53.635

Lawson, Brent

Or.

2:0:56.705 --> 2:0:58.265

Lawson, Brent

Man, I'm basically siltier I guess.

2:1:1.85 --> 2:1:3.925

Lawson, Brent

Then the transition has to be done the transition horizon.

2:1:6.735 --> 2:1:10.175

Lawson, Brent

So there's after scarification there's the the.

2:1:11.395 --> 2:1:18.355

Lawson, Brent

Dump truck back and then dumping the stuff the media for the transitional Verizon.

2:1:21.115 --> 2:1:21.235

jeff kilburn

Huh.

2:1:21.795 --> 2:1:23.75

Lawson, Brent

So is that a good thing?

2:1:24.115 --> 2:1:24.955

Lawson, Brent

I would say no.

2:1:26.35 --> 2:1:35.715

Lawson, Brent

So because what it's doing, it's compacting what you already scarified. So when the effluent goes down through, in this case the stone.

2:1:28.25 --> 2:1:28.265

Joseph Brooks

Thanks.

2:1:37.525 --> 2:1:38.685

Lawson, Brent

It has nowhere to go.

2:1:38.685 --> 2:1:41.245

Lawson, Brent

It just puddles right up on there and.

2:1:42.965 --> 2:1:43.845

Lawson, Brent

But as long as you.

2:1:45.525 --> 2:1:48.325

Lawson, Brent

Rescafy that issue, you're fine.

2:1:49.135 --> 2:1:50.855

Lawson, Brent

Just to make sure you re scraf it.

2:1:55.795 --> 2:1:57.675

Lawson, Brent

And Yep, there it is.

2:1:57.675 --> 2:2:0.835

Lawson, Brent

Just going to town and again.

2:2:2.565 --> 2:2:6.365

Lawson, Brent

The from fill extension to fill extension. That's what you got to do.

2:2:8.165 --> 2:2:9.805

Lawson, Brent

Now this is the bottom of the bed.

2:2:11.755 --> 2:2:16.315

Lawson, Brent

Which is where the stone is, which lies on the transitional horizon.

2:2:18.925 --> 2:2:25.325

Lawson, Brent

So in this instance, -44. So it's -44 from the ERP?

2:2:27.445 --> 2:2:31.125

Lawson, Brent

Is the bottom of the bed, which is what is going to be inspected on.

2:2:32.885 --> 2:2:36.885

Lawson, Brent

The transition horizon is not part of the elevations.

2:2:42.115 --> 2:2:44.35

Lawson, Brent

So there's a nail in the tree.

2:2:45.585 --> 2:2:49.705

Lawson, Brent

Is your transition horizon 44 inches right? On top of that there you go.

2:2:49.465 --> 2:2:49.625

Joseph Brooks

OK.

2:2:51.205 --> 2:2:54.645

Lawson, Brent

The LPI must be two inspections as follows. #1.

2:2:57.435 --> 2:3:11.675

Lawson, Brent

Vegetation has been cut, removed in the disposal field area that you got grubbing, then you got scarification which has been roughened up and then the transitional rising, which has been established.

2:3:13.365 --> 2:3:18.565

Lawson, Brent

If well, and the erosion controls and all that stuff set up.

2:3:22.125 --> 2:3:23.365

Lawson, Brent

Just like with stone.

2:3:24.965 --> 2:3:27.445

Lawson, Brent

If there's, there's two tables in the rule book.

2:3:29.455 --> 2:3:34.535

Lawson, Brent

One is civil analysis of backfill and the other is a civil.

2:3:35.885 --> 2:3:38.485

Lawson, Brent

If the LPI doesn't think.

2:3:40.355 --> 2:3:41.395

Lawson, Brent

That meets.

2:3:42.795 --> 2:3:44.555

Lawson, Brent

That SIV analysis table.

2:3:46.325 --> 2:3:47.45

Lawson, Brent

He can act.

2:3:47.45 --> 2:3:49.645

Lawson, Brent

He or she can actually have you get it.

2:3:49.645 --> 2:3:51.85

Lawson, Brent

Sift to make sure it passes.

2:3:53.765 --> 2:3:54.645

Lawson, Brent

But I've seen.

2:3:56.285 --> 2:4:1.485

Lawson, Brent

Really, really dirty stone before which have passed the civil analysis.

2:4:1.485 --> 2:4:6.125

Lawson, Brent

So it's gonna be from what I see is gonna be really, really filthy.

2:4:9.205 --> 2:4:12.245

Lawson, Brent

So but if a design has.

2:4:13.615 --> 2:4:34.245

Lawson, Brent

Either or on it, as in the D box or T circle, the one that's being used but is and that's.

That's the best way I think the site evaluator should do it because you know really the contractor gets in different situations and if that's already on the site.

2:4:34.245 --> 2:4:34.735

Lawson, Brent

Plan.

2:4:36.485 --> 2:4:38.565

Lawson, Brent

You know, either either D box or T.

2:4:39.525 --> 2:4:42.485

Lawson, Brent

Then you know it doesn't go have to. It doesn't.

2:4:42.875 --> 2:4:49.475

Lawson, Brent

I have to go back to the site evaluated to get revised or updated or whatever and hold the contractor up.

2:4:49.475 --> 2:4:53.435

Lawson, Brent

So if the site evaluate, it really just puts that on it.

2:4:53.435 --> 2:4:56.555

Lawson, Brent

I think you can take care of a lot of problems if that is.

2:4:58.525 --> 2:5:0.885

Lawson, Brent

So the LPI arrives on the 1st inspection.

2:5:2.805 --> 2:5:3.165

Lawson, Brent

There it is.

2:5:5.235 --> 2:5:7.715

Lawson, Brent

Bottom of bed is right elevation.

2:5:9.495 --> 2:5:13.15

Lawson, Brent

In that picture, since all the water is on the left hand side.

2:5:14.525 --> 2:5:17.325

Lawson, Brent

I don't think that's too level. It's got a little sloping issue.

2:5:18.965 --> 2:5:30.485

Lawson, Brent

So that just tells you when that stone bed is put in or whatever. It's gonna be all the effluent that hits the bottom of the bed is all gonna go over that corner. And that's where it's gonna blow out.

2:5:31.85 --> 2:5:35.165

Lawson, Brent

So that's that's why it's so important at the bottom of the bed level.

2:5:37.905 --> 2:5:41.585

Lawson, Brent

So what's the first item you should verify when installing or inspecting?

2:5:42.795 --> 2:5:45.595

Lawson, Brent

The ERP because everything.

2:5:47.125 --> 2:5:49.725

Lawson, Brent

Revolves around that little ERP, so.

2:5:51.525 --> 2:5:54.925

Lawson, Brent

On this one it says ERP is 36 inches above grade.

2:5:55.405 --> 2:6:1.325

Lawson, Brent

So you've got to make sure that's where it is. And like we said before, the only person that can move.

2:6:3.325 --> 2:6:5.845

Lawson, Brent

The ERP is the site evaluator.

2:6:7.525 --> 2:6:8.165

Lawson, Brent

Is it question?

2:6:12.855 --> 2:6:13.175

Lawson, Brent

Tom.

2:6:14.225 --> 2:6:21.625

Thomas Hurd

Yeah, on the, on the stone, I put in a lot of beds in years past with round stone.

2:6:23.45 --> 2:6:25.485

Thomas Hurd

But the last two cider values wouldn't allow it.

2:6:25.485 --> 2:6:27.85

Thomas Hurd

They required crushed stone.

2:6:27.85 --> 2:6:28.85

Thomas Hurd

Has that changed?

2:6:29.855 --> 2:6:30.815

Lawson, Brent

Nope, it hasn't changed.

2:6:32.145 --> 2:6:38.265

Thomas Hurd

Because I used to be able to put in, I had inch and a half to three inch round stone and I have a a plentiful free source of it.

2:6:38.265 --> 2:6:40.465

Thomas Hurd

Actually all clean stone.

2:6:42.125 --> 2:6:43.85

Thomas Hurd

But they wouldn't allow it.

2:6:43.85 --> 2:6:45.125

Thomas Hurd

Had to be 3/4 or inch and 1/2 crushed.

2:6:45.125 --> 2:6:46.525

Thomas Hurd

That's all they would allow on their plan.

2:6:50.255 --> 2:6:51.215

Lawson, Brent

Well, OK.

2:6:51.215 --> 2:6:59.95

Lawson, Brent

So this brings another point. If the site evaluates spec something out, that's what you got to use unless you know you talk to the site evaluator.

2:6:59.95 --> 2:7:1.775

Lawson, Brent

See if you can use something else, but.

2:7:4.125 --> 2:7:6.85

Lawson, Brent

Yeah. I mean, I think it says.

2:7:6.845 --> 2:7:11.205

Lawson, Brent

I can't remember what it says in the rule book, but I believe it does say crushed stone but.

2:7:13.245 --> 2:7:15.685

Lawson, Brent

I'd have to look that up again. I'm sorry about that.

2:7:16.325 --> 2:7:16.565

Thomas Hurd

Yeah.

2:7:18.675 --> 2:7:26.155

Lawson, Brent

Yeah, if if somebody can look that up and just say on the chat if it does say, if it specifies crush zone.

2:7:27.645 --> 2:7:28.285

Lawson, Brent

That'd be great.

2:7:28.855 --> 2:7:31.295

Lawson, Brent

Then we can all find out.

2:7:31.295 --> 2:7:33.615

Lawson, Brent

I just don't want to lose the PowerPoint that I'm on, that's all.

2:7:36.45 --> 2:7:37.605

Lawson, Brent

Right. Thanks Don.

2:7:39.635 --> 2:7:39.875

Lawson, Brent

Umm.

2:7:46.725 --> 2:7:47.165

Lawson, Brent

I don't know.

2:7:47.165 --> 2:7:48.765

Lawson, Brent

Would have to look that up again.

2:7:48.765 --> 2:7:50.605

Lawson, Brent

Like exactly what it says in the stone.

2:7:54.85 --> 2:7:59.525

Lawson, Brent

So there's your. That's where it says how often, how far upgrade it's gonna be.

2:8:0.45 --> 2:8:4.805

Lawson, Brent

So you know, on this one, you know you got, you know, 60 inches.

2:8:8.815 --> 2:8:11.975

Lawson, Brent

Again, who can move the ERP? We already went over that numerous times.

2:8:15.515 --> 2:8:16.715

Lawson, Brent

Side evaluator.

2:8:19.525 --> 2:8:21.245

Lawson, Brent

Again, 60 inches above.

2:8:21.605 --> 2:8:24.285

Lawson, Brent

So let's say that's where that ERP is.

2:8:26.535 --> 2:8:27.855

Lawson, Brent

That's 25 feet.

2:8:29.195 --> 2:8:32.635

Lawson, Brent

75 feet just for sake of argument.

2:8:34.125 --> 2:8:34.565

Lawson, Brent

Is a well.

2:8:34.605 --> 2:8:36.925

Lawson, Brent

It is 25 feet away now.

2:8:38.565 --> 2:8:40.85

Lawson, Brent

If that well, wasn't there.

2:8:41.765 --> 2:8:42.405

Lawson, Brent

Let's move back a little bit.

2:8:44.85 --> 2:8:57.405

Lawson, Brent

If that's all you have right there that the site, evaluate way to put on the plan, that's that's a huge no no. Because even though those two measurements are there, you can move that disposal field all the way around that ERP.

2:8:58.975 --> 2:9:6.695

Lawson, Brent

As long as those measurements are there, you gotta have three measurements or two compass bearing. I believe that's what it says in the rule book.

2:9:8.725 --> 2:9:8.805

Lawson, Brent

So.

2:9:15.205 --> 2:9:20.205

Lawson, Brent

100 feet from the well 6 inch burst tree, 25 feet.

2:9:20.205 --> 2:9:24.605

Lawson, Brent

So there's your third measurement now with that third measurement, it's locked right in.

2:9:25.165 --> 2:9:30.565

Lawson, Brent

You cannot spin that around that ERP at all. So you know exactly where that's going.

2:9:34.685 --> 2:9:40.365

Lawson, Brent

First inspection is basically after the site preparation grubbing scaff.

2:9:42.45 --> 2:9:46.885

Lawson, Brent

Old stuff like that. Second inspection while it's scarified.

2:9:46.885 --> 2:9:48.445

Lawson, Brent

Transitional horizon. There we go.

2:9:53.455 --> 2:9:55.535

Lawson, Brent

Is the disposal area which is from.

2:9:55.535 --> 2:9:56.495

Lawson, Brent

We already went over this.

2:9:56.495 --> 2:10:3.975

Lawson, Brent

You got to do the whole thing from fill extension to fill extension, preparing for the the inspection.

2:10:5.525 --> 2:10:12.765

Lawson, Brent

It says in the rule book that the installer make arrangements with the contractor that the contractor provides.

2:10:14.405 --> 2:10:17.285

Lawson, Brent

You know, like the laser level and all that stuff.

2:10:17.285 --> 2:10:17.845

Lawson, Brent

The rule.

2:10:20.45 --> 2:10:22.885

Lawson, Brent

So it does say that and that is up to the contractor.

2:10:24.655 --> 2:10:26.735

Lawson, Brent

Expect all parts usually.

2:10:28.885 --> 2:10:33.5

Lawson, Brent

The plumbing inspector will have his own his or her own tools.

2:10:33.845 --> 2:10:37.245

Lawson, Brent

But you know, if you're the contract is all set up and ready to go.

2:10:39.45 --> 2:10:41.285

Lawson, Brent

That's the best time to call the plumbing inspector.

2:10:41.285 --> 2:10:43.885

Lawson, Brent

Actually, usually the plumbing inspectors are pretty good.

2:10:43.885 --> 2:10:46.45

Lawson, Brent

There's some that are really busy.

2:10:46.45 --> 2:10:48.485

Lawson, Brent

They can't make it, you know, within 24 hours.

2:10:48.485 --> 2:10:51.485

Lawson, Brent

But if that's set up and they can get over there, that's great.

2:10:48.865 --> 2:10:49.385

jeff kilburn

OK.

2:10:52.425 --> 2:10:53.505

Lawson, Brent

Works out really well.

2:10:55.725 --> 2:11:0.965

Lawson, Brent

So bottom of bed, which we kind of covered this with that bottom of the bed with the water in it.

2:11:2.965 --> 2:11:10.645

Lawson, Brent

Level grade no greater than two inches within 100 feet. So if your bed's only 50 feet long, it'd be, you know, one inch within 50 feet.

2:11:10.715 --> 2:11:13.555

Lawson, Brent

Feet. So as long as you're within that area.

2:11:14.675 --> 2:11:17.155

Lawson, Brent

At the bottom of the bed, I think is the most important part.

2:11:17.155 --> 2:11:20.955

Lawson, Brent

Anyway, 'cause, if that's not level, it's gonna screw everything up.

2:11:25.315 --> 2:11:27.395

Lawson, Brent

So there's, I don't know.

2:11:27.395 --> 2:11:33.355

Lawson, Brent

This wasn't a septic, but it just gives you an idea about you know what that is.

2:11:33.355 --> 2:11:34.235

Lawson, Brent

So again.

2:11:35.725 --> 2:11:38.285

Lawson, Brent

There's your grubbing part, there's your scarification.

2:11:40.275 --> 2:11:41.355

Lawson, Brent

And we went over that.

2:11:44.355 --> 2:11:48.635

Lawson, Brent

So there's a backfill graduation table that's in the rule book.

2:11:48.875 --> 2:11:52.995

Lawson, Brent

That's if you want to sieve it or somebody wants to put a sieve on it.

2:11:55.525 --> 2:11:59.125

Lawson, Brent

That can prove that that's the right backfill material.

2:11:59.325 --> 2:12:4.525

Lawson, Brent

And again, that's only if you have an argument from the plumbing inspector or or somebody.

2:12:6.525 --> 2:12:11.885

Lawson, Brent

You know, they can prove that it either is or isn't part of the septic system.

2:12:13.245 --> 2:12:19.565

Lawson, Brent

The better field test to do is, so there's there's your backfield material right there.

2:12:19.645 --> 2:12:23.605

Lawson, Brent

So if you take your hand like that, scoop up some.

2:12:24.975 --> 2:12:25.255

jeff kilburn

\*\*\*\* you.

2:12:25.245 --> 2:12:26.85

Lawson, Brent

Squeeze it together.

2:12:27.715 --> 2:12:33.555

Lawson, Brent

If it falls apart like that, it doesn't have much silt in it, which is good if it clumps.

2:12:34.375 --> 2:12:37.55

Lawson, Brent

Then it's no good.

2:12:37.55 --> 2:12:39.535

Lawson, Brent

You got basically almost like Plato.

2:12:41.45 --> 2:12:49.565

Lawson, Brent

Here's another indication that has that doesn't have much staining. If you had a lot of staining in your hand then that's no good either.

2:12:49.925 --> 2:12:56.85

Lawson, Brent

It's just too much silt and you know when you get too much silt the bottom of the bed clogs up.

2:12:57.435 --> 2:12:59.915

Lawson, Brent

There was one I can't remember where it was, but.

2:13:2.715 --> 2:13:8.155

Lawson, Brent

The stone was was really, really dirty, the plumbing inspector told him to.

2:13:8.155 --> 2:13:12.715

Lawson, Brent

You know he's gonna, you know, wash it, and it's gonna be coating to the rules, so.

2:13:14.95 --> 2:13:14.735

Lawson, Brent

He was.

2:13:16.405 --> 2:13:17.765

Lawson, Brent

Part of a Volunteer Fire Department.

2:13:19.235 --> 2:13:21.75

Lawson, Brent

So you probably guess what's gonna happen.

2:13:23.345 --> 2:13:29.105

Lawson, Brent

So he brought his fire truck over and washed the stone in the bed. So it was beautiful stone.

2:13:29.105 --> 2:13:30.325

Lawson, Brent

After that it was nice and clean.

2:13:30.925 --> 2:13:40.165

Lawson, Brent

But the bottom of the bed was all screwed up. So I mean, all that silt went down through and it just plugged the whole bottom 'cause it was awful.

2:13:41.685 --> 2:13:44.805

Lawson, Brent

So we know we dug a part of it up and showed him what he did.

2:13:44.805 --> 2:13:48.205

Lawson, Brent

And then he realized, oh, he had to dig the whole thing up anyway.

2:13:49.915 --> 2:13:50.35

Lawson, Brent

Umm.

2:13:52.685 --> 2:14:1.765

Lawson, Brent

All right, so section 12, subsection F2 and table 12 B does not specify either crushed or rounded stone, so either could be used.

2:14:1.805 --> 2:14:2.525

Lawson, Brent

That's correct.

2:14:2.605 --> 2:14:3.45

Lawson, Brent

OK.

2:14:3.245 --> 2:14:12.805

Lawson, Brent

So we got that out of the way. If I'm spoilsfield stone means gravel or crush stone, which is clean and free of dust, OK?

2:14:12.805 --> 2:14:15.685

Lawson, Brent

So the rules define disposal filled stone.

2:14:17.125 --> 2:14:19.605

Lawson, Brent

Like this? Disposal filled stone means gravel.

2:14:22.45 --> 2:14:22.565

Lawson, Brent

Stone means.

2:14:22.835 --> 2:14:24.995

Lawson, Brent

It's gravel or crush stone.

2:14:26.85 --> 2:14:30.965

Lawson, Brent

Which is clean and free of dust, ashes or clay and meeting the requirements of section 12.

2:14:32.565 --> 2:14:36.965

Lawson, Brent

So basically section 12 like I just read off was.

2:14:39.315 --> 2:14:47.915

Lawson, Brent

Doesn't specify either crush around the stone, so I guess you could use either one as long as you know it has a voids in it.

2:14:48.635 --> 2:14:54.395

Lawson, Brent

And you know, there's only two sizes you can use anyway, which is three quarter or inch and 1/2.

2:14:55.925 --> 2:15:0.325

Lawson, Brent

So either one of those are gonna give you the voice spaces.

2:15:0.725 --> 2:15:2.885

Lawson, Brent

Plus you cannot mix them together.

2:15:2.885 --> 2:15:8.45

Lawson, Brent

You could not use inch and a half and three quarter because it costs the 3/4.

2:15:8.45 --> 2:15:16.325

Lawson, Brent

Gonna take up all the void spaces in the stone, so it's gonna be either or and I guess either crushed or rounded doesn't matter.

2:15:18.225 --> 2:15:24.905

Lawson, Brent

I think either one would provide enough void spaces for that effluent to go through.

2:15:29.45 --> 2:15:30.325

Lawson, Brent

There's the bottom of the bed.

2:15:34.865 --> 2:15:37.745

Lawson, Brent

Two inches within 100 feet, there's a level we just talked about.

2:15:42.335 --> 2:15:42.935

Lawson, Brent

Right there.

2:15:44.405 --> 2:15:47.725

Lawson, Brent

There's all your measurements right there with the from the ERP.

2:15:50.375 --> 2:15:55.855

Lawson, Brent

So the, ER, PS have the correct height that's showing on the design. Erosion control is established.

2:15:57.365 --> 2:16:0.165

Lawson, Brent

Rubbing, scarification and transitional rising completed.

2:16:1.765 --> 2:16:2.725

Lawson, Brent

Including the fill extensions.

2:16:2.635 --> 2:16:3.435

jeff kilburn

Oh, I don't.

2:16:4.405 --> 2:16:7.845

Lawson, Brent

Elevations of bottom of the bed. Is that the correct height?

2:16:5.315 --> 2:16:6.635

jeff kilburn

No more people that don't want.

2:16:9.465 --> 2:16:9.785

jeff kilburn

Finished.

2:16:9.565 --> 2:16:19.365

Lawson, Brent

As shown on the design and it's in the correct place. So as long as you, the plumbing inspector gets those done at first inspection is completed.

2:16:20.315 --> 2:16:23.795

Lawson, Brent

Date the permit on the 1st inspection and don't sign the permit yet.

2:16:23.795 --> 2:16:27.275

Lawson, Brent

Just put the date of it 'cause if you sign it and forget about it.

2:16:28.765 --> 2:16:30.645

Lawson, Brent

You basically said that the whole thing was inspected.

2:16:32.885 --> 2:16:33.845

Lawson, Brent

So I would just do that.

2:16:33.845 --> 2:16:35.445

Lawson, Brent

Sign it after your second inspection.

2:16:37.245 --> 2:16:37.365

Lawson, Brent

Yay.

2:16:39.285 --> 2:16:39.765

Lawson, Brent

So.

2:16:42.735 --> 2:16:45.855

Lawson, Brent

Perforations pipe perforations.

2:16:50.635 --> 2:16:51.755

Lawson, Brent

They have to be at.

2:16:51.955 --> 2:16:53.555

Lawson, Brent

I think it's four and 8:00.

2:16:53.915 --> 2:16:55.315

Lawson, Brent

Well, let me back that up.

2:16:56.965 --> 2:16:58.205

Lawson, Brent

We have 4:00 and 8:00.

2:16:59.725 --> 2:17:3.165

Lawson, Brent

And they got to be space so far apart.

2:17:5.805 --> 2:17:8.525

Lawson, Brent

And you know, this is not a good way to start off the 2nd.

2:17:10.45 --> 2:17:21.165

Lawson, Brent

I don't know if you can see that good enough, but the the holes appointed to the top. I really didn't think anybody did this anymore, but that was a brand new system.

2:17:22.765 --> 2:17:25.565

Lawson, Brent

Contractor put it in, not a certified contractor.

2:17:25.955 --> 2:17:26.955

Lawson, Brent

That doesn't matter though.

2:17:28.525 --> 2:17:28.845

Lawson, Brent

You know what's wrong.

2:17:30.725 --> 2:17:34.205

Lawson, Brent

So he basically had a, you know, rip all that up and turn that all around.

2:17:40.165 --> 2:17:41.125

Lawson, Brent

Neither is this.

2:17:42.645 --> 2:17:46.85

Lawson, Brent

So here's a picture of a different stone disposal field.

2:17:47.725 --> 2:17:53.725

Lawson, Brent

And as you can see, the filter fabric goes goes on top of the stone, not below the stone.

2:17:55.765 --> 2:17:58.805

Lawson, Brent

He said he was doing this to prevent weeds from coming out.

2:18:0.395 --> 2:18:0.955

Lawson, Brent

So.

2:18:3.925 --> 2:18:4.325

Lawson, Brent

I don't know.

2:18:6.355 --> 2:18:9.195

Lawson, Brent

There's a closer look, so that's really not even filter fabric.

2:18:10.735 --> 2:18:11.375

Lawson, Brent

Yeah, that is.

2:18:11.375 --> 2:18:15.215

Lawson, Brent

It's got to be the code specs that filter fabric is not.

2:18:15.575 --> 2:18:21.415

Lawson, Brent

It looks to me like it's the the weed fabric like he was using it for. Like, you know supposed to.

2:18:22.895 --> 2:18:23.815

Lawson, Brent

That he got from.

2:18:25.575 --> 2:18:28.455

Lawson, Brent

You know some hardware store or something like that, but.

2:18:30.295 --> 2:18:31.975

Lawson, Brent

That was not the correct way.

2:18:35.295 --> 2:18:38.55

Lawson, Brent

So the LP arrives insight for the second inspection.

2:18:38.535 --> 2:18:39.575

Lawson, Brent

So there's a pipes.

2:18:39.575 --> 2:18:42.895

Lawson, Brent

He's back, filling between.

2:18:46.285 --> 2:18:47.445

Lawson, Brent

Thickness of the stone.

2:18:47.805 --> 2:18:49.725

Lawson, Brent

He's got a -, 33 inches.

2:18:53.385 --> 2:18:55.785

Lawson, Brent

So if it's -44, the bottom of the bed.

2:18:57.125 --> 2:18:59.405

Lawson, Brent

And -33 is where the stone is.

2:19:0.895 --> 2:19:1.855

Lawson, Brent

That's -11 inches.

2:19:3.525 --> 2:19:6.285

Lawson, Brent

So section 12.

2:19:7.365 --> 2:19:18.165

Lawson, Brent

Thickness of the stone 7 inches below and one inch above the pipe, so 7 inches plus 4 inches for the pipe is 11 inches and then one inch above.

2:19:19.735 --> 2:19:19.815

Lawson, Brent

So.

2:19:21.25 --> 2:19:23.185

Lawson, Brent

If they don't put 11.

2:19:24.575 --> 2:19:27.135

Lawson, Brent

If they put 11 inches, basically they got to the top of the pipe.

2:19:28.855 --> 2:19:30.455

Lawson, Brent

You're still gonna have that one inch above it.

2:19:32.95 --> 2:19:36.175

Lawson, Brent

And if you're using one inch stone an inch and a half stone. Excuse me.

2:19:38.895 --> 2:19:43.615

Lawson, Brent

Then you gotta go through and turn all those pieces of stone around.

2:19:43.615 --> 2:19:45.775

Lawson, Brent

So it meets one inch so.

2:19:47.455 --> 2:19:48.455

Lawson, Brent

No, I'm getting.

2:19:52.565 --> 2:19:53.205

Lawson, Brent

So there you are.

2:19:54.735 --> 2:19:55.615

Lawson, Brent

7 four and one.

2:19:57.295 --> 2:20:13.535

Lawson, Brent

Now, like I said before and the site evaluator, they could they could design it as 15 and if they design it as 15, they would have to specify on that diagram right there how many inches they want below it and above it. So you know it could be.

2:20:14.215 --> 2:20:15.775

Lawson, Brent

Still 74.

2:20:18.805 --> 2:20:19.325

Lawson, Brent

12.

2:20:23.375 --> 2:20:24.535

Lawson, Brent

74 and.

2:20:27.315 --> 2:20:27.475

jeff kilburn

Bing.

2:20:29.675 --> 2:20:34.355

Lawson, Brent

And then another 4 inches, which would make 15 or could be the other way around.

2:20:34.355 --> 2:20:36.75

Lawson, Brent

Maybe they want 10 inches below.

2:20:37.535 --> 2:20:39.935

Lawson, Brent

Or nine is below 4 inches and one inch above.

2:20:39.935 --> 2:20:47.375

Lawson, Brent

I don't know, but you got to follow what that says as long as it's not less stringent than what the code says.

2:20:57.525 --> 2:21:0.85

Lawson, Brent

So again, like I just said, that's a minimum requirement.

2:21:2.855 --> 2:21:11.775

Lawson, Brent

The mezzanine should reflect the thickness of the stone on the design, so that should tell you right there on your elevations.

2:21:13.205 --> 2:21:14.925

Lawson, Brent

How thick that stone's gonna be?

2:21:17.935 --> 2:21:21.135

Lawson, Brent

So there's a handful of stone, which that's really crushed drone.

2:21:21.135 --> 2:21:24.775

Lawson, Brent

I mean that's there's a lot of different diameters in that handful.

2:21:29.465 --> 2:21:32.985

Lawson, Brent

That would not create enough void space.

2:21:34.365 --> 2:21:36.645

Lawson, Brent

That's way smaller than 3/4 of an inch.

2:21:39.255 --> 2:21:40.335

Lawson, Brent

It's just not good.

2:21:42.15 --> 2:21:44.855

Lawson, Brent

That cannot be part of the septic system.

2:21:45.15 --> 2:21:45.775

Lawson, Brent

It's not gonna work.

2:21:53.185 --> 2:21:54.745

Lawson, Brent

So that one's not too bad.

2:21:56.695 --> 2:22:0.415

Lawson, Brent

You're always gonna get a little mixture in between them and.

2:22:2.175 --> 2:22:4.55

Lawson, Brent

You know that that looks pretty good right there.

2:22:4.55 --> 2:22:4.735

Lawson, Brent

It looks pretty clean.

2:22:6.495 --> 2:22:7.135

Lawson, Brent

Not bad at all.

2:22:9.325 --> 2:22:10.885

Lawson, Brent

This one had a lot.

2:22:11.525 --> 2:22:17.165

Lawson, Brent

Believe it or not, this actually passed the civil analysis. So that's what I was talking about before.

2:22:17.165 --> 2:22:23.885

Lawson, Brent

This is, you know, sometimes it's really, really dirty and it still passes a sieve on the table.

2:22:26.295 --> 2:22:30.95

Lawson, Brent

But just make sure you know I just get the cleanest stone as you can.

2:22:30.95 --> 2:22:35.455

Lawson, Brent

I know it's different all throughout the state and you're gonna get different cleanliness here and there and.

2:22:37.255 --> 2:22:38.455

Lawson, Brent

Whatever you're able to get.

2:22:41.645 --> 2:22:47.365

Lawson, Brent

You know the LP is going to have to take in consideration that you know that's the only song that you get.

2:22:49.335 --> 2:22:50.335

Lawson, Brent

But I would just have a.

2:22:53.95 --> 2:22:57.135

Lawson, Brent

And there's a inch and a half and three quarter. I would have a conversation with a plumbing inspector.

2:22:58.735 --> 2:23:0.575

Lawson, Brent

Maybe even drive your dump truck.

2:23:2.255 --> 2:23:5.975

Lawson, Brent

You know, around the where the LPI is and say, can you look at this for me?

2:23:5.975 --> 2:23:7.295

Lawson, Brent

You got a question?

2:23:10.335 --> 2:23:10.815

Lawson, Brent

Daniel.

2:23:16.115 --> 2:23:16.155

daniel ennis

I.

2:23:16.155 --> 2:23:17.75

daniel ennis

I apologize.

2:23:17.75 --> 2:23:19.275

daniel ennis

I think you were in the middle of answering my question, so.

2:23:19.725 --> 2:23:22.605

Lawson, Brent

Oh, did you get it answered?

2:23:22.885 --> 2:23:31.845

daniel ennis

I I just I I had AI just had a scenario. Kinda what you're, you know, explaining where the stone looked a little I guess dirty and he was calling it stilt.

2:23:31.845 --> 2:23:33.485

daniel ennis

So I'm like, well, it's not.

2:23:33.485 --> 2:23:36.765

daniel ennis

It's, you know, a very coarse crushed.

2:23:36.765 --> 2:23:40.565

daniel ennis

You know, it's very small. You know, it looks like stone dust that was on it.

2:23:40.885 --> 2:23:41.445

Lawson, Brent

Yeah.

2:23:40.925 --> 2:23:47.805

daniel ennis

So in that scenario, could I ask him, hey, just do a SIB test on it and then we don't have to have an argument about it.

2:23:49.15 --> 2:23:50.255

Lawson, Brent

Yeah. Yeah, exactly.

2:23:50.375 --> 2:23:53.495

Lawson, Brent

As long as it passes, that's that's on the table.

2:23:53.655 --> 2:23:55.135

Lawson, Brent

I mean, nobody can argue with that.

2:23:56.935 --> 2:24:2.735

daniel ennis

Right 'cause. I mean usually you you try to get washed stone if you can. But like you said some areas don't have that often so.

2:24:0.555 --> 2:24:3.435

Lawson, Brent

Right, right.

2:24:3.475 --> 2:24:4.35

Lawson, Brent

That's right.

2:24:5.205 --> 2:24:5.565

daniel ennis

All right.

2:24:5.565 --> 2:24:6.125

daniel ennis

Thank you very much.

2:24:5.615 --> 2:24:7.55

Lawson, Brent

So yeah, yeah, you're very welcome.

2:24:10.55 --> 2:24:13.695

Lawson, Brent

So there's your table inch and a half three quarter.

2:24:16.635 --> 2:24:17.195

Lawson, Brent

Oops.

2:24:24.215 --> 2:24:29.135

Lawson, Brent

Are you went through all that?

2:24:29.495 --> 2:24:31.255

Lawson, Brent

Any question about the stone get it saved?

2:24:32.895 --> 2:24:52.295

Lawson, Brent

Again, construction, you know the install of the system must make certain that the system and all its components parts are installed in conformance with the code. And as far as the soil goes, same thing without adversely affecting the capacity of the soil or the backfill. So basically you.

2:24:52.295 --> 2:24:53.495

Lawson, Brent

Want a fresh bottom of the bed?

2:24:54.255 --> 2:24:56.135

Lawson, Brent

Don't drive over it with a truck.

2:24:56.175 --> 2:24:57.735

Lawson, Brent

Make sure it's not compacted.

2:24:59.655 --> 2:25:0.855

Lawson, Brent

You know, fluff it up.

2:25:1.495 --> 2:25:2.375

Lawson, Brent

Put the stone on.

2:25:5.655 --> 2:25:7.495

Lawson, Brent

Pipe build the fabric and you're good to go.

2:25:9.815 --> 2:25:13.575

Lawson, Brent

The LPI must be notified 1424 hours before.

2:25:15.695 --> 2:25:16.255

Lawson, Brent

The system.

2:25:18.65 --> 2:25:18.625

Lawson, Brent

Tom.

2:25:20.225 --> 2:25:23.385

Thomas Hurd

So what about after the the base is in?

2:25:23.385 --> 2:25:30.665

Thomas Hurd

After the first layer of stone is in, you're ready to put your pipe on, driving a skid steer to level it once.

2:25:30.665 --> 2:25:35.625

Thomas Hurd

That is, once you, once you've got stoned to operate on, is that still gonna do compaction below?

2:25:36.105 --> 2:25:41.225

Lawson, Brent

I would imagine that's a tract equipment, right? Yeah.

2:25:39.955 --> 2:25:40.435

Thomas Hurd

Yeah.

2:25:42.655 --> 2:25:44.695

Lawson, Brent

That that shouldn't harm it.

2:25:44.885 --> 2:25:45.725

Thomas Hurd

I didn't.

2:25:45.175 --> 2:25:47.15

Lawson, Brent

I mean, unless you're doing.

2:25:45.725 --> 2:25:46.365

Thomas Hurd

I didn't think it would.

2:25:47.15 --> 2:25:48.575

Lawson, Brent

Unless you're doing 360's on the stone.

2:25:49.945 --> 2:25:53.825

Thomas Hurd

Yeah. No, I was thinking just using the skid steer to level it for the pipe.

2:25:54.355 --> 2:25:56.635

Lawson, Brent

Yeah, yeah, no, that should be fine.

2:25:56.375 --> 2:25:58.695

daniel ennis

I believe there is actually a specific.

2:25:58.695 --> 2:26:9.135

daniel ennis

I believe there's a specific number for the pounds per square foot your tract machine can have in a system. Most machines that are tracked are well above. Those are well below that, I believe.

2:26:9.875 --> 2:26:11.115

Thomas Hurd

OK, good.

2:26:11.725 --> 2:26:13.645

Lawson, Brent

Yeah, it's when you get the big stuff on top of it.

2:26:13.645 --> 2:26:14.645

Lawson, Brent

They really damaged it.

2:26:16.535 --> 2:26:26.695

Thomas Hurd

Yeah, 'cause. I know my excavator will reach across most systems to level it, but in some cases if I don't have my excavator there, I'll work with my skid steer and you can't reach across that.

2:26:20.705 --> 2:26:21.25

Lawson, Brent

Yep.

2:26:25.375 --> 2:26:28.335

Lawson, Brent

Yeah, right. Right.

2:26:29.255 --> 2:26:29.935

Lawson, Brent

No, that should be.

2:26:29.935 --> 2:26:30.935

Lawson, Brent

I mean that should be OK.

2:26:31.535 --> 2:26:32.415

Lawson, Brent

This should be fine.

2:26:34.815 --> 2:26:35.815

Lawson, Brent

Covering your work.

2:26:35.855 --> 2:26:37.335

Lawson, Brent

No part of a system.

2:26:38.925 --> 2:26:43.5

Lawson, Brent

Backfill until it has been inspected and approved by the plumbing inspector.

2:26:44.805 --> 2:26:50.165

Lawson, Brent

So preparation for inspection, we went through that install must be have present the proper apparatus.

2:26:51.695 --> 2:26:53.575

Lawson, Brent

Again, time for the second inspection.

2:26:53.575 --> 2:26:54.535

Lawson, Brent

So you're 36 inches above.

2:26:56.415 --> 2:27:0.455

Lawson, Brent

Again, as a plumbing inspector, I would double check that on your second inspection.

2:27:0.975 --> 2:27:2.455

Lawson, Brent

Make sure it's still the same place.

2:27:5.375 --> 2:27:7.255

Lawson, Brent

You know, there's all your measurements and stuff.

2:27:7.295 --> 2:27:10.775

Lawson, Brent

I mean, The thing is that.

2:27:12.805 --> 2:27:17.685

Lawson, Brent

If it's drawn out like this, I mean, again, it's pretty clear it's pretty neat.

2:27:19.375 --> 2:27:25.295

Lawson, Brent

There's really nothing that probably would question you on what it looks like.

2:27:25.415 --> 2:27:26.975

Lawson, Brent

You know, you get a 20 foot width.

2:27:28.655 --> 2:27:31.615

Lawson, Brent

You know, 4 to one slopes, 3 foot shoulders.

2:27:31.975 --> 2:27:34.15

Lawson, Brent

You know 5 feet in between pipes.

2:27:34.775 --> 2:27:36.775

Lawson, Brent

So that's that's pretty self-explanatory.

2:27:36.815 --> 2:27:42.655

Lawson, Brent

So again, if you don't understand or can read something that's on.

2:27:43.495 --> 2:27:44.535

Lawson, Brent

The 200 form.

2:27:46.15 --> 2:27:52.535

Lawson, Brent

You know whether you're a plumbing inspector contractor. There's there's nothing that says you can't question something.

2:27:52.895 --> 2:27:57.415

Lawson, Brent

So I would just make sure that you know what's on there before you start doing it.

2:28:3.505 --> 2:28:11.25

Lawson, Brent

The water lines must be a minimum of 10 feet from the disposal field footprint of the actual footprint.

2:28:12.815 --> 2:28:12.895

Lawson, Brent

Is.

2:28:14.375 --> 2:28:14.695

Lawson, Brent

Where the stone is.

2:28:16.495 --> 2:28:19.895

Lawson, Brent

Where the infiltrators are the Elgin end drains.

2:28:21.95 --> 2:28:26.975

Lawson, Brent

That's a footprint. If you put stone beside infiltrators, then it's the edge of the stone.

2:28:26.975 --> 2:28:31.135

Lawson, Brent

That's a footprint, which is where all setbacks are measured from.

2:28:32.445 --> 2:28:36.5

Lawson, Brent

So if you take 100 feet from a well and.

2:28:38.175 --> 2:28:45.95

Lawson, Brent

You know you're measuring it from the disposal field. Let's say a stone disposal field is measured from the stone, not the fill extensions.

2:28:47.295 --> 2:28:48.175

Lawson, Brent

You know anything?

2:28:48.335 --> 2:28:55.775

Lawson, Brent

Everything is measured from the stone, even if it's stone. If there's no stone on an infiltrator, it's measured from the edge of the infiltrator.

2:28:56.655 --> 2:28:58.535

Lawson, Brent

So that's where the set back measurements come from.

2:29:1.335 --> 2:29:2.415

Lawson, Brent

This is not a good thing.

2:29:2.415 --> 2:29:6.335

Lawson, Brent

This is one line right on top of Infiltrator.

2:29:7.175 --> 2:29:8.655

Lawson, Brent

I believe this was from.

2:29:10.375 --> 2:29:10.415

Lawson, Brent

A.

2:29:13.465 --> 2:29:18.225

Lawson, Brent

Nicole landscape person that was putting.

2:29:20.55 --> 2:29:27.255

Lawson, Brent

You know the sprinkles in for the lawn and just dug down and that's the shortest way to get across it and just left it there.

2:29:29.725 --> 2:29:30.405

Lawson, Brent

We found it.

2:29:33.495 --> 2:29:38.455

Lawson, Brent

After the whole, after the hole is done and the pipe is through.

2:29:39.975 --> 2:29:40.935

Lawson, Brent

Does it have to be sleeved?

2:29:43.175 --> 2:29:46.655

Lawson, Brent

Now that's coming up here in a minute. So basically.

2:29:48.255 --> 2:29:48.575

Lawson, Brent

Let's see.

2:29:50.55 --> 2:29:59.55

Lawson, Brent

So sleeve sleeves shall be sleeve shall be provided to protect piping through concrete and masonry.

2:29:59.405 --> 2:30:1.885

Lawson, Brent

Walls and concrete floors.

2:30:3.415 --> 2:30:4.295

Lawson, Brent

Sleeves shall not be.

2:30:5.935 --> 2:30:10.335

Lawson, Brent

Required where openings are drilled aboard. So.

2:30:12.15 --> 2:30:24.415

Lawson, Brent

If you have something like that, if and we're talking now, let's say that's a basement of a house and the the plumber or somebody, you know, took a chisel and and drilled that through.

2:30:25.535 --> 2:30:28.495

Lawson, Brent

You know, that's that's something that would have to have a sleeve.

2:30:30.255 --> 2:30:34.815

Lawson, Brent

But if it was bored like that, you wouldn't need one because everything's so smooth.

2:30:38.755 --> 2:30:39.555

Lawson, Brent

You would need.

2:30:43.685 --> 2:30:48.485

Lawson, Brent

Well, I'm. I'm not asking you this to try to trick you into something, but.

2:30:51.295 --> 2:30:56.735

Lawson, Brent

If a plumber did put that pipe through the wall, what do they usually use to seal it?

2:30:59.405 --> 2:31:0.85

Lawson, Brent

Does anybody know?

2:31:4.275 --> 2:31:7.595

Thomas Hurd

I would say either a spray foam or a hydraulic cement.

2:31:8.385 --> 2:31:8.745

Lawson, Brent

Yeah.

2:31:9.535 --> 2:31:10.575

daniel ennis

The hydroxamin.

2:31:11.305 --> 2:31:12.905

Lawson, Brent

Yeah. It's what a lot of them use.

2:31:13.395 --> 2:31:17.875

BRUCE D. LABBE

Also they use beeswax. They use beautiful.

2:31:20.395 --> 2:31:24.755

Lawson, Brent

Yeah, they've used actual wax seal from a toilet and put it around it and.

2:31:27.515 --> 2:31:29.355

Lawson, Brent

But yeah, Yep, that's what they use.

2:31:33.215 --> 2:31:38.655

Lawson, Brent

So again, you know, there's your foundation. There's your two feet again.

2:31:40.355 --> 2:31:42.555

Lawson, Brent

And we leave this up to the plumbing inspector.

2:31:44.355 --> 2:31:48.35

Lawson, Brent

If you as a contractor are putting this in.

2:31:49.865 --> 2:31:51.265

Lawson, Brent

And you know.

2:31:53.35 --> 2:31:54.595

Lawson, Brent

You happen to slide that through?

2:31:57.235 --> 2:31:58.555

Lawson, Brent

Just remember that.

2:32:0.35 --> 2:32:0.355

Lawson, Brent

If that's wrong.

2:32:2.275 --> 2:32:11.715

Lawson, Brent

It's gonna have to be the the plumber's fault because you can't do this. But if the plumber says well, he didn't do it. So that's. That's where things come.

2:32:11.755 --> 2:32:13.35

Lawson, Brent

You know I don't.

2:32:13.35 --> 2:32:14.355

Lawson, Brent

I don't know what they would do to you.

2:32:16.75 --> 2:32:24.635

Lawson, Brent

Because if you don't, if you don't have a master plumber's license, a plumber's examining board really has nothing to I should be telling you this, but.

2:32:25.225 --> 2:32:31.585

Lawson, Brent

Really has nothing to base it off because they can't, you know, working without a license or something like that, but.

2:32:33.475 --> 2:32:37.515

Lawson, Brent

I to my knowledge, that's never happened as far as.

2:32:41.495 --> 2:32:44.375

Lawson, Brent

Somebody putting that through.

2:32:45.835 --> 2:32:46.475

Lawson, Brent

The foundation wall.

2:32:48.355 --> 2:32:51.195

Lawson, Brent

And getting reprimanded for it. But I'm just here to tell you that.

2:32:52.915 --> 2:32:54.475

Lawson, Brent

You're not supposed to be doing that.

2:32:54.475 --> 2:32:56.995

Lawson, Brent

So 2 feet is where you need to stop.

2:33:4.835 --> 2:33:7.715

Lawson, Brent

Can install, can install or drill the holes of the foundation.

2:33:9.275 --> 2:33:14.75

Lawson, Brent

Yeah. You as a contractor can put that hole through.

2:33:14.75 --> 2:33:16.995

Lawson, Brent

There's nothing that says you can't drill that out. If you wanted to.

2:33:16.995 --> 2:33:18.715

Lawson, Brent

I don't know who does it normally, but.

2:33:20.395 --> 2:33:24.275

Lawson, Brent

Can the installer install the sleeve through the foundation?

2:33:24.395 --> 2:33:33.755

Lawson, Brent

If needed, yes, installer can do the sleeve. If you have to do it, but then you have kind of.

Can you put the building granite through the foundation wall?

2:33:34.535 --> 2:33:35.535

Lawson, Brent

No, it's gotta have it.

2:33:35.535 --> 2:33:38.895

Lawson, Brent

You know it's internal plumbing. Unless they have a master plumber.

2:33:39.215 --> 2:33:40.575

Lawson, Brent

That's the only thing you can do.

2:33:42.115 --> 2:33:54.475

Lawson, Brent

And it'd be nice to get that changed through the plumbers examining board because

it'd be a lot easier just to have the contractor go ahead and put that through. If they get, you know, they got to have the right pitch.

2:33:56.155 --> 2:33:58.915

Lawson, Brent

It's the same pitch for a building drain as it is for a building sewer.

2:33:59.235 --> 2:34:1.195

Lawson, Brent

So it's quarter inch per foot to the tank.

2:34:2.915 --> 2:34:3.115

Lawson, Brent

So.

2:34:3.975 --> 2:34:4.455

Lawson, Brent

It would.

2:34:4.455 --> 2:34:14.855

Lawson, Brent

It would be nice to get that changed at the plumber's examining board would allow that. Just that caveat to the license, but we've tried before.

2:34:16.355 --> 2:34:17.835

Lawson, Brent

And they haven't budged yet. So.

2:34:19.515 --> 2:34:19.995

Lawson, Brent

We'll see.

2:34:23.65 --> 2:34:23.785

Lawson, Brent

Thanks.

2:34:25.995 --> 2:34:27.235

Lawson, Brent

Oh, she's got to be level.

2:34:33.985 --> 2:34:40.25

Lawson, Brent

Could be 1/4 inch per foot for the building sewer and the building drain like we just talked about.

2:34:43.25 --> 2:34:46.345

Lawson, Brent

Outlet has to be eighth inch per foot for the effluent.

2:34:48.575 --> 2:34:51.775

Lawson, Brent

Unless it's another tank and still gonna be quarter inch per foot.

2:34:57.645 --> 2:35:0.285

Lawson, Brent

Betting this is very important.

2:35:0.485 --> 2:35:3.565

Lawson, Brent

A lot of people aren't doing this, too betting.

2:35:5.515 --> 2:35:8.955

Lawson, Brent

All tanks must be betted on A4.

2:35:13.35 --> 2:35:21.715

Lawson, Brent

Tidy words. I get to 4 inch minimum layer of clean sand, gravel or stone the bedding material.

2:35:25.375 --> 2:35:26.135

Lawson, Brent

Must.

2:35:27.955 --> 2:35:30.755

Lawson, Brent

Extend at least 4 inches beyond the base of the tank.

2:35:33.195 --> 2:35:35.755

Lawson, Brent

So that's still that's still it's got to be done so.

2:35:37.315 --> 2:35:38.635

Lawson, Brent

It's in the rules.

2:35:38.635 --> 2:35:41.475

Lawson, Brent

We have a lot of people still putting them just on the soil.

2:35:42.35 --> 2:35:44.235

Lawson, Brent

Can't do that. You know I'm supposed to do that.

2:35:48.615 --> 2:35:50.855

Lawson, Brent

So basically anti flotation.

2:35:52.355 --> 2:35:53.475

Lawson, Brent

Now they should have.

2:35:53.475 --> 2:35:54.235

Lawson, Brent

I don't know.

2:35:54.435 --> 2:36:0.915

Lawson, Brent

It's usually on the site plan 'cause as far as doing the site evaluation goes, they know where the.

2:36:2.475 --> 2:36:3.675

Lawson, Brent

High water table is.

2:36:5.475 --> 2:36:13.715

Lawson, Brent

So they have to provide some sort of diagram or insight on how to anchor that tank.

2:36:15.355 --> 2:36:17.235

Lawson, Brent

Usually what I've seen is.

2:36:18.145 --> 2:36:20.945

Lawson, Brent

The cement pad port with eyebolts in it on the bottom.

2:36:22.475 --> 2:36:25.275

Lawson, Brent

Tank is set on top, then it gets strapped around like that.

2:36:26.85 --> 2:36:33.125

Lawson, Brent

I don't know if there's a different other ways to do it, but that's that's what I've seen.

That's what they view as quite a bit.

2:36:35.385 --> 2:36:39.305

Lawson, Brent

And as you can see, it pops up when the water table gets high.

2:36:44.535 --> 2:36:51.215

Lawson, Brent

Which causes havoc with everything 'cause. Again, there's another picture of what we had before. It just turns over.

2:36:53.665 --> 2:36:55.145

Lawson, Brent

Anti flotation device?

2:36:55.185 --> 2:36:57.905

Lawson, Brent

This is not an anti flotation device.

2:36:58.185 --> 2:37:0.665

Lawson, Brent

Well, it is, but it's not in our book.

2:37:1.165 --> 2:37:2.325

Lawson, Brent

You can't use that.

2:37:2.445 --> 2:37:5.85

Lawson, Brent

Plus, that's just that's not a big enough tank.

2:37:5.325 --> 2:37:9.125

Lawson, Brent

What's the smallest tank you could put in the ground? Anybody.

2:37:13.805 --> 2:37:14.725

daniel ennis

1000 gallon.

2:37:15.455 --> 2:37:16.535

BRUCE D. LABBE

7:50.

2:37:15.795 --> 2:37:22.555

Lawson, Brent

Nope. Yep. Seven 57150 gallon tank. That'll carry 2 bedrooms.

2:37:17.305 --> 2:37:18.305

BRUCE D. LABBE

7:50.

2:37:24.435 --> 2:37:26.875

Lawson, Brent

But usually.

2:37:28.395 --> 2:37:36.235

Lawson, Brent

It costs 1000 gallons put in because if they ever had to expand the house, another bedroom, you know, they'd have to add another tank on.

2:37:36.235 --> 2:37:39.915

Lawson, Brent

All that tank would have to come out. So usually it's 1000 gallons.

2:37:44.955 --> 2:37:45.235

Lawson, Brent

Hung.

2:37:47.295 --> 2:37:48.255

Lawson, Brent

Must be plugged.

2:37:50.395 --> 2:37:51.635

Lawson, Brent

So make sure that happens.

2:37:53.195 --> 2:37:55.275

Lawson, Brent

Because we're trying to talk about this a little bit.

2:37:56.995 --> 2:37:57.995

Lawson, Brent

Frost protection 200.

2:37:57.995 --> 2:38:1.395

Lawson, Brent

The high density, every component, even the D box.

2:38:3.35 --> 2:38:8.355

Lawson, Brent

If you think Frost is gonna get to it and it's gonna mess it up, you gotta put this on top of it.

2:38:15.715 --> 2:38:20.555

Lawson, Brent

There's one it wasn't really that good of an installation first place, but that popped up.

2:38:22.955 --> 2:38:24.235

Lawson, Brent

All right, so here's a scenario.

2:38:26.145 --> 2:38:29.505

Lawson, Brent

So you have a hole like that, which is where they're gonna put the tank.

2:38:31.655 --> 2:38:33.175

Lawson, Brent

There's a tank. Nice.

2:38:33.175 --> 2:38:35.415

Lawson, Brent

I mean it's it's a good work. It's a good job.

2:38:37.455 --> 2:38:39.695

Lawson, Brent

As you can see it's, you know, right on there.

2:38:42.115 --> 2:38:44.435

Lawson, Brent

Then it rained out and.

2:38:46.395 --> 2:38:48.315

Lawson, Brent

You know the whole area is flooded now.

2:38:48.315 --> 2:38:57.635

Lawson, Brent

Is that we kind of looked into this a little bit and you know they were gonna dig footings for the buildings and all this other stuff, so.

2:38:59.435 --> 2:39:0.835

Lawson, Brent

Everything down sloped to that.

2:39:0.835 --> 2:39:1.595

Lawson, Brent

Where that tank was.

2:39:3.275 --> 2:39:6.715

Lawson, Brent

So I talked to the site evaluator and.

2:39:9.505 --> 2:39:12.865

Lawson, Brent

You know, it's kind of like, you know, what are you gonna do?

2:39:13.25 --> 2:39:14.905

Lawson, Brent

It wasn't flooded when we put it in.

2:39:16.795 --> 2:39:19.195

Lawson, Brent

So, but it's flooded now because of what happened.

2:39:19.395 --> 2:39:22.755

Lawson, Brent

But as you can tell, I mean is if that water's staying right there.

2:39:24.395 --> 2:39:36.155

Lawson, Brent

It's not very good soil because it would have, you know, drained, and it didn't. So it's probably a lot simtier than and the, the plumbing inspector said the contractor put stone all the way around it.

2:39:36.775 --> 2:39:41.535

Lawson, Brent

And underneath it, which was a good job.

2:39:43.35 --> 2:39:45.435

Lawson, Brent

But just got to find some way to get that water out of there.

2:39:45.435 --> 2:39:46.515

Lawson, Brent

'Cause. That's gonna flow right up.

2:39:48.155 --> 2:39:49.635

Lawson, Brent

And we talked about anchor and that.

2:39:49.635 --> 2:39:56.75

Lawson, Brent

So I think the side of lowa way up was gonna look into getting something anchored down in there so.

2:40:0.175 --> 2:40:1.415

Lawson, Brent

Yeah, it would be better.

2:40:5.265 --> 2:40:10.985

Lawson, Brent

Again, this riser riser must be located at the appropriate opening to facilitate pumping.

2:40:12.515 --> 2:40:14.995

Lawson, Brent

And one right above it, if they have a filter on it.

2:40:18.105 --> 2:40:21.185

Lawson, Brent

When you go to inspect and tell them to put a riser over the filter.

2:40:23.325 --> 2:40:30.285

Lawson, Brent

This is one that they didn't put a riser over the filter, so we told them put a riser over the filter. We came back to inspect it.

2:40:31.225 --> 2:40:36.105

Lawson, Brent

I just put one in the middle so I don't know if they didn't hear us that good or.

2:40:36.965 --> 2:40:38.605

Lawson, Brent

Oh, what the problem was, but.

2:40:41.105 --> 2:40:44.225

Lawson, Brent

Yeah, wasn't that good.

2:40:50.385 --> 2:40:57.505

Lawson, Brent

Other facilities, again, we went over this covering the disposal field stone filter fabric sheets.

2:40:59.115 --> 2:40:59.755

Lawson, Brent

All six inches.

2:41:1.835 --> 2:41:2.715

Lawson, Brent

Overlapping.

2:41:4.315 --> 2:41:5.715

Lawson, Brent

Minimum physical properties. ASTM.

2:41:6.355 --> 2:41:7.955

Lawson, Brent

There's the ASTM number.

2:41:10.645 --> 2:41:12.405

Lawson, Brent

Waterproof papers prohibited.

2:41:12.425 --> 2:41:12.785

Thomas Hurd

One second.

2:41:14.75 --> 2:41:16.555

Lawson, Brent

Covering the disposal field stone. Again filter fabric.

2:41:18.275 --> 2:41:19.795

Lawson, Brent

Hay is not included anymore.

2:41:20.995 --> 2:41:23.355

Lawson, Brent

So don't use it.

2:41:25.525 --> 2:41:26.165

Lawson, Brent

Piping.

2:41:27.675 --> 2:41:31.395

Lawson, Brent

ASTM number of right there on the side of the piping it maxes.

2:41:31.395 --> 2:41:43.515

Lawson, Brent

We have ASTM numbers in the in the rule book. So if you're wondering if the piping is the right one, you can just look it up in the rule book. If it's not in the rule book, you can't use it.

2:41:50.625 --> 2:41:51.905

Lawson, Brent

That's in table 7-8.

2:41:51.905 --> 2:41:56.105

Lawson, Brent

So those are all the listings, the ASTM numbers you can use for building sewer.

2:41:57.635 --> 2:42:1.675

Lawson, Brent

You know, schedule 408035.

2:42:3.275 --> 2:42:7.675

Lawson, Brent

But like I said, they usually use schedule 40 from the house right to the tank because.

2:42:9.395 --> 2:42:12.795

Lawson, Brent

I mean, in all reality, usually the septic guy puts it through the wall.

2:42:13.195 --> 2:42:17.555

Lawson, Brent

I mean, you know, when I got to kid each other, but you're not supposed to be doing it again.

2:42:17.555 --> 2:42:18.755

Lawson, Brent

I gotta say that so.

2:42:23.65 --> 2:42:31.105

Lawson, Brent

But submitting permits to the state with a 25% if a variance is part of the design, it must be with a permit.

2:42:32.635 --> 2:42:39.515

Lawson, Brent

A design requires a state variance. A state has to sign off on the variance before it can be permitted.

2:42:42.975 --> 2:42:44.415

Lawson, Brent

Preparation for inspection.

2:42:44.415 --> 2:42:49.215

Lawson, Brent

We already went through that. Some of the tools, second inspection.

2:42:51.315 --> 2:42:51.915

Lawson, Brent

Again.

2:42:54.385 --> 2:42:55.465

Lawson, Brent

That's 40 inches.

2:42:56.995 --> 2:42:59.35

Lawson, Brent

Stone there's your pipe.

2:43:1.165 --> 2:43:2.805

Lawson, Brent

Wanna just stone above the pipe?

2:43:4.545 --> 2:43:8.305

Lawson, Brent

Orange is a back fill and four inches of solemn and mixed or grows grass.

2:43:9.835 --> 2:43:20.635

Lawson, Brent

So that's your basic height and what is included in your stone disposal view 3% crown on top.

2:43:28.335 --> 2:43:29.535

Lawson, Brent

It's above.

2:43:29.885 --> 2:43:30.205

BRUCE D. LABBE

\*\*\*\* you.

2:43:31.725 --> 2:43:34.765

Lawson, Brent

The typical cross section erosion control again.

2:43:35.285 --> 2:43:40.245

Lawson, Brent

The Big E again, that's not erosion control because it's not waterproof.

2:43:41.995 --> 2:43:45.315

Lawson, Brent

So here's a here he is sedan mulching.

2:43:47.865 --> 2:43:51.25

Lawson, Brent

Blowing the hay all over it for the top so it grows.

2:43:53.325 --> 2:43:54.645

Lawson, Brent

There's your completed system.

2:43:56.785 --> 2:43:59.585

Lawson, Brent

And I only have one more slide left and I know it's early.

2:43:59.585 --> 2:44:4.425

Lawson, Brent

So does anybody have any questions about anything? We gotta eat up sometime? Yeah.

2:44:4.545 --> 2:44:8.305

Lawson, Brent

So whatever you got good.

2:44:6.395 --> 2:44:8.315

Thomas Hurd

Yeah, I do. Yeah, I do.

2:44:9.875 --> 2:44:14.915

Thomas Hurd

What if you're restrictive or high water table is at ground level?

2:44:14.915 --> 2:44:15.715

Thomas Hurd

How much?

2:44:15.915 --> 2:44:18.75

Thomas Hurd

I mean, can you build the whole system above that?

2:44:18.855 --> 2:44:24.935

Lawson, Brent

Yes. Yeah, as a site evaluator, basically what happens if?

2:44:21.135 --> 2:44:21.455

Thomas Hurd

OK.

2:44:26.475 --> 2:44:41.595

Lawson, Brent

If they go and do a site evaluation and it becomes that the water table is right on the surface, as long as you have the amount of fill material that does the separation distance, it could be.

2:44:41.595 --> 2:44:42.715

Lawson, Brent

It depends on what it is.

2:44:42.715 --> 2:44:46.195

Lawson, Brent

It could be, you know, 12 inches, 18 inches.

2:44:47.35 --> 2:44:49.395

Lawson, Brent

So as long as you had that before you hit the bottom of the.

2:44:49.785 --> 2:45:2.865

Lawson, Brent

Bed you should be fine, but that should say right on the side evaluation and that usually requires a variance from the state because that's what we call the east soil condition.

2:45:2.865 --> 2:45:6.105

Lawson, Brent

The water's right there, so either.

2:45:6.105 --> 2:45:10.505

Lawson, Brent

Usually it doesn't happen that much on a first time system because we won't let it.

2:45:10.505 --> 2:45:16.585

Lawson, Brent

But on replacements you know, if you try to do it, the best you can and if you get a crappy site in the first place.

2:45:17.475 --> 2:45:17.635

Lawson, Brent

Then.

2:45:19.735 --> 2:45:21.335

Lawson, Brent

There's only so much you can do, but.

2:45:22.835 --> 2:45:23.195

Lawson, Brent

Yes you can.

2:45:24.505 --> 2:45:27.945

Lawson, Brent

If at the bottom of the field is.

2:45:29.515 --> 2:45:30.995

Lawson, Brent

Basically a water table.

2:45:32.635 --> 2:45:40.555

Lawson, Brent

The site evaluated will design it to put either 12 or 18 inches of fill on top of that, and then style your system. But that still means.

2:45:42.195 --> 2:45:49.155

Lawson, Brent

That that grass where that water is still has to be scarified and taken out and grubbed so.

2:45:50.875 --> 2:45:53.755

Lawson, Brent

But yes, the answer is the short answer to your question is yes you can.

2:45:53.755 --> 2:45:54.635

Lawson, Brent

So you can do it.

2:45:55.695 --> 2:45:56.55

Thomas Hurd

OK.

2:45:56.55 --> 2:45:57.655

Thomas Hurd

Now, can I ask another question?

2:45:58.45 --> 2:45:58.485

Lawson, Brent

Yeah.

2:45:59.955 --> 2:46:6.75

Thomas Hurd

I had a system here earlier this year that I wanted to just add on to.

2:46:6.75 --> 2:46:7.435

Thomas Hurd

It was a two-bedroom system.

2:46:7.435 --> 2:46:11.555

Thomas Hurd

I just wanted to add on a third line to to expand the system.

2:46:13.555 --> 2:46:23.355

Thomas Hurd

But the site evaluator told me that the existing system did not meet current elevation from water table standards and therefore he wouldn't allow it.

2:46:23.395 --> 2:46:24.315

Thomas Hurd

And I'm wondering.

2:46:25.585 --> 2:46:28.705

Thomas Hurd

So I had to put in a whole new elevated system with a pump station.

2:46:30.195 --> 2:46:37.75

Thomas Hurd

So I'm wondering if there is a variance to be able to add on to an existing system that did meet code 40 years ago.

2:46:41.165 --> 2:46:42.165

Lawson, Brent

That's a good question.

2:46:45.155 --> 2:46:47.755

Lawson, Brent

I would think that in that case.

2:46:49.905 --> 2:46:52.665

Lawson, Brent

The whole system would have to start all over again.

2:46:53.285 --> 2:46:53.885

Thomas Hurd

No.

2:46:54.145 --> 2:46:55.385

Lawson, Brent

Kind of like what you did.

2:46:56.335 --> 2:47:7.615

Thomas Hurd

Yeah, 'cause, I ended up getting a whole new system in because let me just add on, even though the system that was there had never failed in 40 years and and digging up the corner of it, it was clean as a whistle.

2:46:56.915 --> 2:46:57.195

Lawson, Brent

Because.

2:46:59.755 --> 2:46:59.915

Lawson, Brent

Yeah.

2:47:1.435 --> 2:47:1.995

Lawson, Brent

Right.

2:47:7.615 --> 2:47:8.735

Thomas Hurd

Even the stone was clean.

2:47:7.815 --> 2:47:9.455

Lawson, Brent

Yeah, yeah.

2:47:9.455 --> 2:47:14.255

Lawson, Brent

And the problem that the site evaluator probably had was it didn't meet today's rules.

2:47:15.95 --> 2:47:15.815

Thomas Hurd

That's what he said.

2:47:15.815 --> 2:47:18.175

Thomas Hurd

It didn't meet today's, so he could.

2:47:15.955 --> 2:47:16.235

Lawson, Brent

Yeah.

2:47:17.955 --> 2:47:18.195

Lawson, Brent

Yeah.

2:47:18.175 --> 2:47:21.575

Thomas Hurd

He wouldn't let me add on to a system that didn't meet today's standards.

2:47:21.475 --> 2:47:23.155

Lawson, Brent

Right. So he had you.

2:47:23.355 --> 2:47:25.195

Lawson, Brent

He designed a whole different field, right?

2:47:26.145 --> 2:47:26.665

Thomas Hurd

Right.

2:47:27.235 --> 2:47:28.475

Lawson, Brent

Yep. So yeah, he did the right thing.

2:47:30.155 --> 2:47:30.275

Lawson, Brent

Yep.

2:47:33.985 --> 2:47:34.385

Lawson, Brent

Next.

2:47:34.235 --> 2:47:35.115

Herbert Marshall

I got a question.

2:47:35.995 --> 2:47:36.155

Lawson, Brent

OK.

2:47:37.45 --> 2:47:40.285

Herbert Marshall

Question on tank anchoring anti flotation?

2:47:40.415 --> 2:47:40.775

Lawson, Brent

Yep.

2:47:41.25 --> 2:47:43.465

Herbert Marshall

But it's not required if you fill the tank right?

2:47:45.5 --> 2:47:47.405

Lawson, Brent

No. If the water table is high, you still gonna do it.

2:47:47.685 --> 2:47:51.205

Lawson, Brent

Because once that gets pumped, water table's still there.

2:47:51.205 --> 2:47:52.45

Lawson, Brent

It could float right up.

2:47:53.525 --> 2:48:0.5

Herbert Marshall

So that would be on the HHE 200, the site evaluator would mark what you have to have for.

2:47:59.525 --> 2:48:0.205

Lawson, Brent

Yes.

2:48:1.795 --> 2:48:1.915

Lawson, Brent

Yep.

2:48:2.235 --> 2:48:5.35

Herbert Marshall

There's a way. The code is written. It says if empty.

2:48:6.785 --> 2:48:8.865

Lawson, Brent

Right. And every time they pump it, it's gonna be empty.

2:48:9.685 --> 2:48:11.605

Herbert Marshall

Yeah. OK.

2:48:11.15 --> 2:48:14.215

Lawson, Brent

And when they first put it and when they first put it in, it's gonna be empty, so.

2:48:15.715 --> 2:48:17.755

Lawson, Brent

Yep, you gotta anchor it or something.

2:48:17.215 --> 2:48:21.855

Herbert Marshall

So and that would again be if it was going to be above the water table or below the water table.

2:48:22.455 --> 2:48:24.575

Lawson, Brent

Yeah. If I mean, I don't know.

2:48:25.955 --> 2:48:28.195

Lawson, Brent

I guess it all depends what the soils are and all that stuff, but.

2:48:29.715 --> 2:48:36.795

Lawson, Brent

It's. I don't think there's a actual determination on how high the water table has to be before you anchor it.

2:48:36.795 --> 2:48:45.275

Lawson, Brent

I think that's probably mostly up to the site evaluator, but I know if I was the 1:00 and had a high water table I'd want it anchored too.

2:48:45.275 --> 2:48:50.115

Lawson, Brent

Because you know, if it pops up it it's gonna come back to the site evaluator.

2:48:51.395 --> 2:48:52.995

Herbert Marshall

Yeah. And all right. Thanks.

2:48:52.255 --> 2:48:54.15

Lawson, Brent

Yep, Yep.

2:48:54.765 --> 2:48:56.85

Michael Gurtler

Brent, I got a question.

2:48:56.485 --> 2:48:57.165

Lawson, Brent

Yes, Sir.

2:48:57.595 --> 2:49:0.715

Michael Gurtler

So we just had a site evaluator.

2:49:1.915 --> 2:49:13.515

Michael Gurtler

I guess he educated us, so we're familiar with the idea that a one bedroom expansion doesn't necessarily have to be installed as long as it's attached to the deed and registered.

2:49:15.195 --> 2:49:16.395

Michael Gurtler

But he found a section.

2:49:17.955 --> 2:49:23.955

Michael Gurtler

In section 10 that describes a mother-in-law being apartment being recognized as a.

2:49:24.385 --> 2:49:28.785

Michael Gurtler

One bedroom, and therefore is a minor expansion that doesn't have to be installed.

2:49:29.725 --> 2:49:30.205

Lawson, Brent

Yeah.

2:49:30.635 --> 2:49:30.955

Michael Gurtler

Can you?

2:49:30.955 --> 2:49:31.835

Michael Gurtler

Can you elaborate on that?

2:49:33.335 --> 2:49:36.335

Lawson, Brent

Well, the first part of your question was basically the same thing, right?

2:49:39.395 --> 2:49:40.155

Lawson, Brent

You're talking.

2:49:40.155 --> 2:49:43.275

Lawson, Brent

You're talking about one bedroom. Doesn't have to be installed basically, right?

2:49:43.855 --> 2:49:44.455

Michael Gurtler

Right.

2:49:45.235 --> 2:49:48.795

Lawson, Brent

Yeah, and the mother-in-law apartment is considered a one bedroom.

2:49:49.555 --> 2:49:50.555

Lawson, Brent

So that would be.

2:49:49.805 --> 2:49:58.285

Michael Gurtler

So even though even though you would calculate 120 gallons for a mother-in-law apartment, it's still they don't have to expand the system.

2:49:58.285 --> 2:50:0.685

Michael Gurtler

They just have to get the design and and register it.

2:50:1.365 --> 2:50:2.85

Lawson, Brent

That's correct.

2:50:2.85 --> 2:50:3.565

Lawson, Brent

Unless you're in the shoreland zone.

2:50:4.275 --> 2:50:4.635

Michael Gurtler

OK.

2:50:6.235 --> 2:50:12.435

Michael Gurtler

And is that a mandatory thing or is it up to the local plumbing inspector to approve that?

2:50:13.115 --> 2:50:14.395

Lawson, Brent

Oh no, that's mandatory.

2:50:15.25 --> 2:50:15.345

Michael Gurtler

OK.

2:50:16.865 --> 2:50:30.355

Lawson, Brent

And that the only reason the the reason for that is because you know if something ever happens 'cause you got an extra 120 gallons a day going into the system if something happens to that system, they have something the register your deeds, they can just pull, right.

2:50:16.875 --> 2:50:17.395

Michael Gurtler

Thanks.

2:50:30.355 --> 2:50:32.185

Lawson, Brent

Out real quick and pop it in.

2:50:33.815 --> 2:50:35.135

Michael Gurtler

Right, I understand that.

2:50:35.135 --> 2:50:43.95

Michael Gurtler

I just, you know, I 90 gallons with another bedroom. Half people don't ever use all their bedrooms. So I get that.

2:50:43.215 --> 2:50:50.655

Michael Gurtler

But when you're talking about a mother apartment, they're using that and you know it's gotta. It's got a kitchen and everything.

2:50:50.735 --> 2:50:51.215

Michael Gurtler

I just.

2:50:51.215 --> 2:50:54.695

Michael Gurtler

I don't understand how that how that works.

2:50:54.815 --> 2:50:58.535

Michael Gurtler

I mean, I know it's in the rules, but I don't understand how how that come about.

2:50:55.145 --> 2:50:57.65

Lawson, Brent

Yeah, right.

2:50:58.675 --> 2:51:5.275

Lawson, Brent

Well, you know, and the the thing, The thing is too that, you know, a mother-in-law you're thinking about.

2:51:7.435 --> 2:51:9.875

Lawson, Brent

One person which never ends up like that.

2:51:11.545 --> 2:51:12.425

Lawson, Brent

You know, it's usually.

2:51:14.195 --> 2:51:26.275

Lawson, Brent

Rented out to a family of three or four, you know, but you know and, but there's nothing. I mean, I guess that stops that. If the plumbing inspector ever finds it out, then they have to take it from there.

2:51:17.15 --> 2:51:17.575

Michael Gurtler

Right.

2:51:26.275 --> 2:51:32.115

Lawson, Brent

But usually you know it's 2 bags when something like that happens, and it's already done.

2:51:32.195 --> 2:51:36.875

Lawson, Brent

It's so hard to get them back into compliance that you know, it's just so difficult.

2:51:38.785 --> 2:51:48.785

Michael Gurtler

Yeah. No, we knew about it up front, but I just hadn't seen that particular section of the of the rules before, so but OK.

2:51:48.855 --> 2:51:49.735

Michael Gurtler

Thank you.

2:51:49.755 --> 2:51:50.715

Lawson, Brent

All right. Yep, no problem.

2:51:54.775 --> 2:51:55.575

Newry CEO

So Brent.

2:51:57.345 --> 2:52:0.905

Newry CEO

When do the HHE 200, the new forms we talked about last week?

2:52:0.905 --> 2:52:3.545

Newry CEO

When do those have to be used by site evaluators?

2:52:4.965 --> 2:52:6.285

Lawson, Brent

I believe.

2:52:7.615 --> 2:52:11.575

Lawson, Brent

Eli, wasn't that 2027 or 8?

2:52:14.295 --> 2:52:18.335

Pellegrino, Eli

By January 1st, 2028, you have to switch by.

2:52:18.335 --> 2:52:23.575

Pellegrino, Eli

So we decided after our meeting last week to extend it to two years instead of just the one year.

2:52:25.105 --> 2:52:31.345

Pellegrino, Eli

That said, we're revisiting the form based on some of the feedback, so we have it up on our website to view.

2:52:31.345 --> 2:52:34.705

Pellegrino, Eli

But please don't start using it yet, because it's going to change.

2:52:33.565 --> 2:52:34.125

Newry CEO

OK.

2:52:34.705 --> 2:52:37.385

Pellegrino, Eli

Just hopefully just the one more time.

2:52:39.485 --> 2:52:40.365

Newry CEO

Thank you both.

2:52:40.645 --> 2:52:40.765

Pellegrino, Eli

Who?

2:52:40.695 --> 2:52:41.415

Lawson, Brent

You're welcome.

2:52:43.775 --> 2:52:45.295

Lawson, Brent

Like Bruce?

2:52:52.305 --> 2:52:53.185

Lawson, Brent

No, I guess not.

2:52:55.625 --> 2:52:58.145

Lawson, Brent

See anybody else?

2:52:59.355 --> 2:53:0.675

Pugh, Alex L

Hey, Brent, it's Alex.

2:52:59.615 --> 2:53:1.415

Milligan, Tom

Yeah. Yeah. Me, you didn't.

2:53:1.165 --> 2:53:1.805

Lawson, Brent

Yeah.

2:53:1.495 --> 2:53:4.455

Milligan, Tom

You didn't have my hand raised, but you didn't call on me.

2:53:3.265 --> 2:53:6.785

Pugh, Alex L

Oh, go ahead. Bruce and Tim. Tom.

2:53:8.905 --> 2:53:10.65

Milligan, Tom

Who's who's going?

2:53:10.345 --> 2:53:12.65

Lawson, Brent

Got it. Or somebody somebody go.

2:53:13.45 --> 2:53:15.285

Milligan, Tom

Well, I had three things.

2:53:16.745 --> 2:53:23.705

Milligan, Tom

An observation to address one of the I think Rick asked that I'm not sure who just asked it, but.

2:53:25.425 --> 2:53:26.825

Milligan, Tom

We're on a water meter at the house here.

2:53:26.825 --> 2:53:40.385

Milligan, Tom

We're not on septic, but be me being the nerd I am, I follow water usage real closely and even with two of us, no kids, we both work, so we have showers daily.

2:53:41.985 --> 2:53:42.625

Milligan, Tom

Somewhat minimal.

2:53:42.895 --> 2:53:46.15

Milligan, Tom

Laundry and minimal dishes, obviously, but.

2:53:47.545 --> 2:54:2.785

Milligan, Tom

We're only using like 76 gallons a day, so 90 gallons a day for a single. Just a mother-in-law, even for a mother and a father-in-law, I think.

2:54:4.15 --> 2:54:5.335

Milligan, Tom

Is is adequate?

2:54:5.375 --> 2:54:7.135

Milligan, Tom

So that's just an observation.

2:54:7.605 --> 2:54:8.565

Lawson, Brent

Yeah. OK.

2:54:8.455 --> 2:54:16.215

Milligan, Tom

The second one is on crowns. I know the code says 3% crown but it doesn't.

2:54:16.255 --> 2:54:24.815

Milligan, Tom

And typically again neuron engineer that I am crowns from the centerline to the sides, much like a road crown.

2:54:25.95 --> 2:54:30.455

Milligan, Tom

But there's nothing that prohibits a crown going longitudinal, right?

2:54:32.465 --> 2:54:36.705

Milligan, Tom

You know, sometimes it's site grading makes more sense to do that.

2:54:36.705 --> 2:54:38.625

Milligan, Tom

I know homeowners hate little mini.

2:54:37.355 --> 2:54:37.675

Lawson, Brent

Yeah.

2:54:38.895 --> 2:54:43.455

Milligan, Tom

Ditches, I think the intent is to get the water off the top of the system.

2:54:39.665 --> 2:54:40.185

Lawson, Brent

Right.

2:54:43.605 --> 2:54:45.485

Lawson, Brent

Exactly, yes.

2:54:44.965 --> 2:54:46.925

Milligan, Tom

And finally.

2:54:48.545 --> 2:54:57.425

Milligan, Tom

I haven't done any calculations, but again, take take it from its source. If you put 224 inch rises on there to surface.

2:54:59.185 --> 2:55:12.185

Milligan, Tom

Has a department done any calculations on how much less of a load that on top of the tank as far as cover and what potential effects that might have on flotation?

2:55:12.385 --> 2:55:14.785

Milligan, Tom

I'm gonna do the calculations after this but.

2:55:15.535 --> 2:55:25.255

Milligan, Tom

I mean I I guess I would be somewhat concerned because a foot of soil unsaturated is probably 125 lbs per cubic foot. So.

2:55:27.375 --> 2:55:29.975

Milligan, Tom

I don't know, just something that popped in my mind.

2:55:29.975 --> 2:55:31.415

Milligan, Tom

Again, consider the sauce.

2:55:30.295 --> 2:55:33.95

Lawson, Brent

So what are? What are you saying? The extra rises?

2:55:33.95 --> 2:55:34.735

Lawson, Brent

You're weighing down enough or not.

2:55:35.295 --> 2:55:40.535

Milligan, Tom

Right. If the especially if they're not concrete, but even this hollow in between there anyway.

2:55:36.745 --> 2:55:37.185

Lawson, Brent

Yeah.

2:55:40.535 --> 2:55:47.95

Milligan, Tom

So that unloads that section. If you put two of them, then what are you gonna unload 1/3 or 1/4 of it?

2:55:41.95 --> 2:55:41.775

Lawson, Brent

Right.

2:55:48.335 --> 2:55:49.455

Milligan, Tom

I don't know. Just.

2:55:49.375 --> 2:55:49.735

Lawson, Brent

Yeah.

2:55:50.615 --> 2:55:51.295

Milligan, Tom

Thought.

2:55:51.225 --> 2:55:54.145

Lawson, Brent

Well, that would be interesting if you did calculations like that.

2:55:56.995 --> 2:55:58.875

Lawson, Brent

Like you said, being the nerd that you are.

2:56:1.555 --> 2:56:7.155

Rick Licht

Yeah, if I if I can add to Tom's point, if I could add to Tom's point, it's absolutely correct.

2:56:2.935 --> 2:56:4.55

Milligan, Tom

All my spare time.

2:56:7.155 --> 2:56:12.795

Rick Licht

The more risers you put on the, the less you know less. You've got to offset your, your, your buoyancy.

2:56:12.795 --> 2:56:16.235

Rick Licht

So if you're high ground waters, it's definitely worth checking.

2:56:16.235 --> 2:56:17.475

Rick Licht

That's a good point, yeah.

2:56:17.335 --> 2:56:18.415

Lawson, Brent

Yeah, yeah.

2:56:18.75 --> 2:56:20.75

Rick Licht

Yeah. Another another thing is.

2:56:19.735 --> 2:56:26.695

daniel ennis

From years of experience, you know it it. If the tank is half full, regardless of cover, it will not float.

2:56:26.925 --> 2:56:28.205

Rick Licht

Yeah, yeah.

2:56:27.95 --> 2:56:29.295

daniel ennis

So just keep that in mind too.

2:56:29.735 --> 2:56:42.95

Rick Licht

Yeah. And another thing we do with large system tanks is we try not to pump them in the spring with high ground water. If there's a high groundwater situation, wait till summer when the water tables down just to play it safe.

2:56:40.615 --> 2:56:41.55

Lawson, Brent

Yep.

2:56:43.665 --> 2:56:43.785

Rick Licht

Yep.

2:56:44.535 --> 2:56:45.575

Lawson, Brent

Yeah, that's a good idea.

2:56:47.95 --> 2:56:48.375

Rick Licht

I don't know who's next.

2:56:50.995 --> 2:56:51.475

Roger St Amand

I can go.

2:56:51.15 --> 2:56:51.895

Rick Licht

Bruce, see you next.

2:56:51.475 --> 2:56:56.985

Roger St Amand

I think Bruce's hand was up for a little bit, but unless he wants to go, I can jump in.

2:56:56.45 --> 2:56:56.605

BRUCE D. LABBE

Yeah.

2:56:57.615 --> 2:57:4.375

BRUCE D. LABBE

No, I'm just getting back on the cold for the manhole risers where it stays.

2:57:4.575 --> 2:57:13.535

BRUCE D. LABBE

It must have a watertight riser of the same material as the tank that's on page 69. If it's in section.

2:57:16.535 --> 2:57:20.175

BRUCE D. LABBE

Access openings for all septic and pretreatment tanks.

2:57:22.515 --> 2:57:24.475

BRUCE D. LABBE

So it would be nice to.

2:57:26.775 --> 2:57:31.495

BRUCE D. LABBE

A correction or which way the department wants to go on it?

2:57:33.25 --> 2:57:36.785

BRUCE D. LABBE

I have been requiring them to use the concrete once.

2:57:39.225 --> 2:57:41.465

BRUCE D. LABBE

Only because that's what the code states.

2:57:40.695 --> 2:57:44.15

daniel ennis

I believe in manhood are talking about actual public sewer, right?

2:57:44.15 --> 2:57:51.815

daniel ennis

They're not talking about the riser on a concrete tank. They're very separate things, a manhole being the concrete structure, you know, a big sewer lines run through.

2:57:53.175 --> 2:57:58.815

BRUCE D. LABBE

Compartment manholes must have a watertight riser of the same material as the tank.

2:58:0.735 --> 2:58:1.615

Rick Licht

About risers, yeah.

2:58:5.195 --> 2:58:10.355

BRUCE D. LABBE

And I understand about H2 twenties, but I'd like to see a correction done on it.

2:58:11.775 --> 2:58:15.15

BRUCE D. LABBE

Or as far as I'm concerned, that's how I interpret it.

2:58:12.245 --> 2:58:15.405

daniel ennis

Yeah, sounds like a Gray area. Maybe a miscommunication. 'cause we use?

2:58:14.655 --> 2:58:15.135

Lawson, Brent

Yeah.

2:58:16.785 --> 2:58:17.105

daniel ennis

All the time.

2:58:17.25 --> 2:58:20.905

Lawson, Brent

Yeah, we'll have to talk about that and and do something.

2:58:20.905 --> 2:58:22.305

Lawson, Brent

Either send out a policy or something.

2:58:25.145 --> 2:58:29.785

Lawson, Brent

'Cause I mean, a lot of people just use the fiberglass rises on tanks, right?

2:58:30.805 --> 2:58:31.365

BRUCE D. LABBE

Yes.

2:58:31.465 --> 2:58:31.705

Lawson, Brent

Yeah.

2:58:33.915 --> 2:58:37.835

daniel ennis

Yeah, those fiberglass riders are approved for tanks and they're approved for traffic weight, so.

2:58:34.55 --> 2:58:34.655

BRUCE D. LABBE

And also.

2:58:34.135 --> 2:58:34.735

Lawson, Brent

So.

2:58:37.835 --> 2:58:41.35

Lawson, Brent

Yeah. Has anybody had any problem with those at all?

2:58:42.775 --> 2:58:44.55

BRUCE D. LABBE

They have up north.

2:58:43.455 --> 2:58:44.455

daniel ennis

Number one.

2:58:45.255 --> 2:58:49.975

BRUCE D. LABBE

In the cold, with the pumpers throwing their pipes in.

2:58:51.545 --> 2:58:53.345

BRUCE D. LABBE

4 inch pipe with a strainer on the end.

2:58:55.25 --> 2:58:56.225

BRUCE D. LABBE

Some of them are cracking.

2:58:57.635 --> 2:58:57.755

Lawson, Brent

Huh.

2:58:59.815 --> 2:59:2.135

daniel ennis

Yeah, it can't make people care about their job then you know.

2:58:59.985 --> 2:59:0.905

BRUCE D. LABBE

But that's.

2:59:3.55 --> 2:59:5.415

BRUCE D. LABBE

Yep, you're right 100%.

2:59:5.415 --> 2:59:6.895

BRUCE D. LABBE

But that's what we're looking at.

2:59:8.295 --> 2:59:15.335

daniel ennis

I ain't. No. I had a guy accidentally drive a truck with a loaded dump trailer across the top of a polylock riser, and it did not cave in so.

2:59:15.225 --> 2:59:16.545

Lawson, Brent

Wow. Wow.

2:59:16.585 --> 2:59:17.105

Lawson, Brent

No kidding.

2:59:17.125 --> 2:59:17.885

BRUCE D. LABBE

That's great.

2:59:17.225 --> 2:59:18.345

daniel ennis

Pretty impressive stuff.

2:59:18.895 --> 2:59:19.495

Lawson, Brent

Yeah.

2:59:19.435 --> 2:59:19.835

BRUCE D. LABBE

What?

2:59:22.465 --> 2:59:22.625

Lawson, Brent

Ah.

2:59:25.495 --> 2:59:27.335

Roger St Amand

So Brent, I had a question.

2:59:28.855 --> 2:59:30.735

Roger St Amand

For short term rentals.

2:59:32.265 --> 2:59:33.385

Roger St Amand

This could be a loaded question.

2:59:34.145 --> 2:59:40.745

Roger St Amand

Do you have a recommendation on an increase in design flow? Or if you don't wanna say maybe if people wanna throw what?

2:59:42.865 --> 2:59:45.425

Roger St Amand

Their recommendations are in the chat. If you're a site evaluator.

2:59:47.295 --> 2:59:50.295

Pugh, Alex L

I would recommend that the site evaluars give us.

2:59:50.295 --> 2:59:57.535

Pugh, Alex L

Give us what you guys are using in your region, because I know I know that that it might be sort of a regional.

2:59:59.225 --> 3:0:1.385

Pugh, Alex L

Difference from place to place and and.

3:0:1.225 --> 3:0:1.385

Rick Licht

OK.

3:0:3.695 --> 3:0:4.815

Pugh, Alex L

And that sort of thing.

3:0:10.155 --> 3:0:12.835

Roger St Amand

Yeah, it does vary for me depending on what the use is.

3:0:12.575 --> 3:0:12.655

BRUCE D. LABBE

No.

3:0:12.835 --> 3:0:13.475

Roger St Amand

You know what?

3:0:13.475 --> 3:0:13.955

Roger St Amand

The what?

3:0:13.955 --> 3:0:21.355

Roger St Amand

The short term rental is but we get a lot ton of Airbnbs down here on I'm on in Bar Harbor area MDI so yeah.

3:0:17.455 --> 3:0:18.55

Lawson, Brent

Yeah.

3:0:20.715 --> 3:0:29.635

Lawson, Brent

I mean, I I would say depending on the situation, if you're in Baha Bora booth, bayhaba or coastal or whatever, I would say at least a bedroom, 90 gallons a day.

3:0:30.375 --> 3:0:30.775

Roger St Amand

Yep.

3:0:33.55 --> 3:0:46.295

Roger St Amand

And then a follow up question, well not a follow up to that. But my second question was on some engineered systems that we've done. You know sometimes we have to put in a lot of fill like 4-5, eight feet of sand fill and there's no I mean.

3:0:43.855 --> 3:0:44.135

Rick Licht

Yeah.

3:0:46.295 --> 3:0:49.55

Roger St Amand

There isn't a spec that I've ever found.

3:0:49.55 --> 3:0:54.575

Roger St Amand

For what that compaction needs to be, other than you know, like Rick brought up. So we say run the machine over it.

3:0:54.575 --> 3:1:2.455

Roger St Amand

You know, a few times, you know in different directions for each lift, but there isn't a spec, so I'd be curious if there was anybody had something.

3:1:5.435 --> 3:1:9.755

Pugh, Alex L

Is there a general construction spec for anything like that?

3:1:5.515 --> 3:1:6.115

Lawson, Brent

Alex.

3:1:11.655 --> 3:1:13.15

Rick Licht

We've we've gone with.

3:1:12.95 --> 3:1:12.735

Roger St Amand

Not that.

3:1:15.585 --> 3:1:21.905

Rick Licht

In the chat comment with large engineered systems typically again get the tread pressure on a particular dozer they're working on.

3:1:21.905 --> 3:1:35.825

Rick Licht

Make that part of our submittal with a contractor and then you know 12 inch lifts maximum and supervised, and then just do you know One Direction and then you know, another lift, another direction, but don't over compact.

3:1:35.825 --> 3:1:40.785

Rick Licht

So it's kind of an eyeball thing, but yeah, it would be nice if there was a particular spec.

3:1:41.535 --> 3:1:41.855

Rick Licht

In the.

3:1:41.855 --> 3:1:48.935

Rick Licht

In the book, or at least a recommendation or actually like I said, a proctored you want to achieve, and after you have it tested.

3:1:50.825 --> 3:1:51.505

Rick Licht

Thank you.

3:1:51.655 --> 3:2:2.55

Roger St Amand

Well, for especially for some of that like you know we deal with some bigger contractors that when we put out you know a specification, you know for a big engineered system, everything has its back in.

3:1:56.525 --> 3:1:57.5

Rick Licht

Yeah.

3:2:2.175 --> 3:2:4.975

Roger St Amand

So the contractor's like, well, what do I compact that to?

3:2:4.975 --> 3:2:7.215

Roger St Amand

Because you don't want it really compacted.

3:2:7.215 --> 3:2:9.55

Roger St Amand

You know you want to leave it so.

3:2:7.485 --> 3:2:9.165

Rick Licht

No, no, absolutely.

3:2:9.205 --> 3:2:10.165

Rick Licht

Yeah, I'm the same boat.

3:2:10.165 --> 3:2:11.5

Rick Licht

Exactly, yeah.

3:2:11.5 --> 3:2:22.525

Rick Licht

It's nice to have something you can reference as a spec. We talk to our geotech engineers and get some recommendations, but maybe it's something as an advisory that can be put something into the code or as an advisory opinion or something.

3:2:26.555 --> 3:2:28.595

Rick Licht

Yeah, I'm fine.

3:2:28.595 --> 3:2:41.675

Rick Licht

My question was, if we're done with that, and I think we were just talking about it adus in the short term rentals, I mean we all know adus now where it's a big, big buzz word short term.

3:2:41.675 --> 3:2:48.355

Rick Licht

What you want and throughout the state because of the housing shortage and under LD 1829 and 2003.

3:2:49.825 --> 3:2:55.505

Rick Licht

You're gonna if you haven't seen them already. You were going to see a lot more Adu situations come up in questions about that.

3:2:57.25 --> 3:3:9.185

Rick Licht

So are we still looking like, I guess the conversation, if I understand it, there's nothing different for Adu other than or short term rental other than the 90 plus, you know, gallons per day.

3:3:9.185 --> 3:3:18.545

Rick Licht

And my gut is always to go high on these things, especially if they're short term rentals versus actual ad use. Depending on a town defines an Adu.

3:3:19.105 --> 3:3:22.265

Rick Licht

Some towns require that the owner be, you know, the building be owner occupied.

3:3:23.25 --> 3:3:26.785

Rick Licht

Etcetera. Some don't, but you lead to, you know, jamming 6 people for a week.

3:3:27.175 --> 3:3:31.95

Rick Licht

Weekend in a one or two in one bedroom dwelling. You know how it goes.

3:3:31.615 --> 3:3:35.95

Rick Licht

So is there I mean any further recommendations on that?

3:3:32.735 --> 3:3:33.215

Lawson, Brent

Well.

3:3:35.65 --> 3:3:38.505

Lawson, Brent

If if there's an Adu there accessory dwelling unit.

3:3:39.185 --> 3:3:39.625

Rick Licht

Yeah.

3:3:40.265 --> 3:3:41.865

Lawson, Brent

That's not attached to the main structure.

3:3:42.295 --> 3:3:42.495

Rick Licht

Mm-hmm.

3:3:43.295 --> 3:3:44.575

Lawson, Brent

It's a single family dwelling.

3:3:44.575 --> 3:3:46.375

Lawson, Brent

Units 2 bedrooms minimum.

3:3:47.915 --> 3:3:49.395

Rick Licht

So if you had 80.

3:3:48.465 --> 3:3:51.265

Lawson, Brent

And it's got and it's got to have first time system criteria.

3:3:51.765 --> 3:3:52.685

Rick Licht

Yeah. OK.

3:3:53.95 --> 3:3:53.415

Lawson, Brent

Yep.

3:3:53.225 --> 3:3:55.25

Pugh, Alex L

I I could add something more I think.

3:3:57.425 --> 3:4:2.785

Pugh, Alex L

Doesn't LD 2007 would, and all the subsequent things don't.

3:4:0.555 --> 3:4:1.555

Rick Licht

2003.

3:4:2.785 --> 3:4:7.865

Pugh, Alex L

Doesn't that specify that these adus are not to be short term rentals?

3:4:8.675 --> 3:4:9.955

Rick Licht

Yes, I believe it does.

3:4:9.955 --> 3:4:11.155

Rick Licht

That's intent, yeah.

3:4:11.635 --> 3:4:26.425

Rick Licht

So there really are two different things, but I'm sort of putting in looping them together. If you have an Adu and the questions come up and it's a separate structure in your backyard, why? If you have the capacity in your system or it can be expanded, can we?

3:4:26.425 --> 3:4:27.875

Rick Licht

Still tie into that system.

3:4:28.195 --> 3:4:35.595

Rick Licht

Even say your septic tank, it was, I mean the likelihood of spatially being able to put a building with your septic tank and tie into your.

3:4:36.345 --> 3:4:38.185

Rick Licht

Your incoming tee on the side, could you still?

3:4:38.615 --> 3:4:45.895

Rick Licht

Connect to your existing system. If you meet all the capacity requirements, tank requirements, etcetera for additional bedroom.

3:4:47.535 --> 3:4:49.255

Lawson, Brent

Well, it's not an additional bedroom.

3:4:49.255 --> 3:4:49.815

Lawson, Brent

There's a dwelling unit.

3:4:50.745 --> 3:5:14.825

Milligan, Tom

And it's been. It was my understanding based on some questions I'd asked previously in Adu. And I think that's the way the plumbing inspector locally looks at it. If it's detached, it's basically a single family dwelling minimum, two-bedroom minimum septic tank size. And I guess if the.

3:4:50.935 --> 3:4:53.655

Rick Licht

So for can.

3:4:55.225 --> 3:4:55.345

Rick Licht

You.

3:5:14.985 --> 3:5:19.905

Milligan, Tom

HBO capacity is designed for four bedroom, and there's only two in it then probably.

3:5:20.15 --> 3:5:27.535

Milligan, Tom

You could add to it, but nonetheless it's still. As I understand, it's still a single family dwelling needs to meet all those requirements.

3:5:27.775 --> 3:5:29.15

Milligan, Tom

Correct me if I'm wrong.

3:5:27.875 --> 3:5:30.195

Lawson, Brent

Yeah. And I no, I agree.

3:5:28.125 --> 3:5:29.965

Rick Licht

So minimum minimum.

3:5:30.195 --> 3:5:36.515

Lawson, Brent

You can attach it to the existing system as long as that meets first time criteria and you have the gallons per day, yes.

3:5:36.465 --> 3:5:37.625

Rick Licht

OK. And we're basic.

3:5:37.625 --> 3:5:42.585

Rick Licht

And again, 2 minimum 2A2 bedroom dwelling, 180 gallons a day. OK.

3:5:40.995 --> 3:5:42.835

Lawson, Brent

Yeah, yeah.

3:5:42.585 --> 3:5:57.985

Rick Licht

That's that's it's helpful to clarify because that question is going to come up a lot. I think going forward and we've had multiple conversations and confusion about about that. But I I didn't see anything in the code either that prohibited you from tying into an existing system as.

3:5:57.985 --> 3:6:3.945

Rick Licht

Long as you met the criteria, which we no different than having you know several homes and a, you know, cottage community tying into one system.

3:6:4.415 --> 3:6:5.55

Lawson, Brent

Great.

3:6:4.625 --> 3:6:5.905

Rick Licht

And yeah, that's sort of thing, OK.

3:6:6.415 --> 3:6:8.775

Rick Licht

OK, good. Thank you.

3:6:7.825 --> 3:6:7.945

Lawson, Brent

Yep.

3:6:9.295 --> 3:6:10.95

Lawson, Brent

You're welcome.

3:6:13.825 --> 3:6:14.465

Lawson, Brent

Next.

3:6:14.945 --> 3:6:18.65

Thomas Hurd

Brent, I've got a loaded question. I've got a loaded question.

3:6:15.905 --> 3:6:15.945

Pugh, Alex L

I.

3:6:16.55 --> 3:6:16.535

Lawson, Brent

Yeah.

3:6:18.65 --> 3:6:19.345

Thomas Hurd

I'll give you a quick scenario.

3:6:21.225 --> 3:6:26.745

Thomas Hurd

Number years ago, my brother had a site evaluation done that he was putting in a septic.

3:6:27.505 --> 3:6:31.185

Thomas Hurd

It was on property next to what I own, so I know what the land was.

3:6:31.185 --> 3:6:35.625

Thomas Hurd

It was 30 feet deep of of coarse gravelly sand.

3:6:35.625 --> 3:6:39.425

Thomas Hurd

No water table, no restrictive layer, no nothing.

3:6:40.985 --> 3:6:44.625

Thomas Hurd

And the site evaluator put in a 1500 gallon tank.

3:6:45.895 --> 3:6:48.575

Thomas Hurd

Almost a foot above ground level.

3:6:50.145 --> 3:6:52.145

Thomas Hurd

The leach field was elevated.

3:6:52.145 --> 3:6:56.385

Thomas Hurd

It wasn't pumping, but it was elevated to where that it was above ground level.

3:6:58.65 --> 3:7:2.305

Thomas Hurd

And I know when I saw the site plan, I told my brother call up the site evaluator.

3:7:2.305 --> 3:7:4.305

Thomas Hurd

Tell him to take it back and do it right.

3:7:5.895 --> 3:7:8.55

Thomas Hurd

So which he didn't want to bother.

3:7:8.55 --> 3:7:12.135

Thomas Hurd

And it's a boondoggle system for the for the people that owned it to this day 'cause it's so high.

3:7:12.855 --> 3:7:12.975

Lawson, Brent

Hmm.

3:7:13.665 --> 3:7:16.785

Thomas Hurd

And there's no reason for it because it's 30 feet deep of sand.

3:7:18.345 --> 3:7:20.905

Thomas Hurd

It's right next to a sand pit that I've had for years and it's deep.

3:7:21.755 --> 3:7:22.275

Lawson, Brent

Yeah.

3:7:22.585 --> 3:7:31.465

Thomas Hurd

So the question is, is there a Revis, an Advisory Board within DHHS? If you've got a site evaluator that doesn't have a clue what he's doing?

3:7:33.105 --> 3:7:33.265

Thomas Hurd

That can.

3:7:33.425 --> 3:7:35.625

Thomas Hurd

That can take a review and and and and deal with.

3:7:36.95 --> 3:7:36.255

Thomas Hurd

OK.

3:7:36.585 --> 3:7:41.105

Lawson, Brent

The only thing that could probably happen is to make a complaint to to me.

3:7:41.735 --> 3:7:42.55

Thomas Hurd

Yep.

3:7:42.585 --> 3:7:45.585

Lawson, Brent

You know what's going on, then I investigate it.

3:7:45.585 --> 3:7:49.505

Lawson, Brent

We don't have a board for cited by or anything.

3:7:49.505 --> 3:8:4.305

Lawson, Brent

The only the only thing close is Mace, which is a a yeah main association of site

evaluators, but I don't know if they have any authority to determine somebody isn't doing what they're doing. I think that's all us.

3:7:52.75 --> 3:7:52.915

Roger St Amand  
Mace.

3:8:6.915 --> 3:8:11.115

Roger St Amand

The only thing I would say on that is and again I don't know that situation, but.

3:8:13.25 --> 3:8:19.585

Roger St Amand

There's situations where you can have 30 feet of sand and you might still have redoxamorphic features in that, so he may have seen those.

3:8:19.785 --> 3:8:35.25

Roger St Amand

I know we've had a couple site evaluator exams and workshops, you know, in Southern Maine with some sandpits that have, you know it's all sand, but there's still some evidence of redox whether it's a relic model or something like that. So.

3:8:24.875 --> 3:8:25.275

Lawson, Brent  
Hang on.

3:8:36.895 --> 3:8:43.135

Thomas Hurd

In this case, it's not even possible because I'm down 30 feet right next to that property and there's no water.

3:8:42.465 --> 3:8:42.665

BRUCE D. LABBE  
No.

3:8:43.135 --> 3:8:43.855

Thomas Hurd

There never was.

3:8:46.235 --> 3:9:9.995

Pugh, Alex L

So and I have got 2 two things going back to to the tank risers. I just point out that we're following the rest of New England on these tank risers. And so I wonder if there's already been a a fair number of of these risers in in shall?

3:9:10.635 --> 3:9:12.75

Pugh, Alex L

Water tables and whether.

3:9:12.865 --> 3:9:16.865

Pugh, Alex L

That the you're we're talking about the the soils not being.

3:9:17.95 --> 3:9:24.55

Pugh, Alex L

Being, you know, being displaced by the the risers and I I haven't heard that from the other.

3:9:25.545 --> 3:9:27.145

Pugh, Alex L

The other states that that, that.

3:9:29.585 --> 3:9:33.145

Pugh, Alex L

That the risers cause more floating.

3:9:33.145 --> 3:9:47.425

Pugh, Alex L

But I'll keep an ear out for it. The other thing is Brent did do you and Eli talk about the the new release, the release of these, the HHE 200 and how long it's gonna be before we're gonna?

3:9:47.815 --> 3:9:51.255

Pugh, Alex L

Require the new. OK thanks.

3:9:49.285 --> 3:9:49.805

Lawson, Brent

Yes.

3:9:51.785 --> 3:9:52.105

Lawson, Brent

Yep, Yep.

3:10:5.855 --> 3:10:6.695

Lawson, Brent

Anybody else?

3:10:16.565 --> 3:10:17.205

Lawson, Brent

Hey, Chris.

3:10:19.715 --> 3:10:23.675

christopher bilodeau

Your session from last week about the new HHE 200.

3:10:23.675 --> 3:10:26.995

christopher bilodeau

Is that available online yet, or is that still processing?

3:10:28.985 --> 3:10:35.745

Pellegrino, Eli

The link to the YouTube video of the recording of it is now on our website.

3:10:37.185 --> 3:10:41.545

Pellegrino, Eli

The instructions for getting the CEU for it are not quite up yet.

3:10:40.455 --> 3:10:40.695

BRUCE D. LABBE

Please.

3:10:41.545 --> 3:10:45.425

Pellegrino, Eli

I asked our Webmaster to put it up this morning, but I haven't heard back yet.

3:10:44.945 --> 3:10:45.105

Jay Otis

Bye.

3:10:47.185 --> 3:10:52.545

Pellegrino, Eli

I've shared the direct link a couple of times, but I can drop it in the chat again.

3:10:55.785 --> 3:11:11.465

Pellegrino, Eli

But if you wanted to get the CEU for that, it's available for site evaluators and LP is and basically you would just watch it and then you would send Brent and I an e-mail with like three or four sentences that just prove that you watched it. So just.

3:11:11.465 --> 3:11:12.905

Pellegrino, Eli

Whatever you thought was interesting from it.

3:11:15.585 --> 3:11:21.385

Pellegrino, Eli

And the this will also be going up on that same webpage later this week.

3:11:30.315 --> 3:11:35.35

Lawson, Brent

Dave said the new form will be effective till the end of the year.

3:11:36.135 --> 3:11:39.575

Lawson, Brent

That right location or he already goes to the answer. OK, good.

3:11:41.805 --> 3:11:42.805

Thomas Hurd

Another quick question.

3:11:42.665 --> 3:11:42.785

Jay Otis

Yes.

3:11:43.285 --> 3:11:43.685

Lawson, Brent

Yep.

3:11:44.835 --> 3:11:51.675

Thomas Hurd

Are there any in person trainings or online trainings for the paperwork and rules side of things?

3:11:52.995 --> 3:11:53.155

BRUCE D. LABBE

Yeah.

3:11:55.515 --> 3:11:58.795

Thomas Hurd

Beyond beyond what we've done here, this type of thing is rich.

3:11:58.795 --> 3:12:6.435

Thomas Hurd

Anything that really gives you an in depth and gives you the ability to to actually fill out paperwork, get get a hang of it, get get to know what you're doing, type of thing.

3:12:9.255 --> 3:12:12.575

Lawson, Brent

I think that what Eli just posted with the new forms are.

3:12:14.555 --> 3:12:15.915

Lawson, Brent

We don't have.

3:12:17.395 --> 3:12:20.435

Lawson, Brent

I think Eli, did you have that one that you did?

3:12:20.435 --> 3:12:21.675

Lawson, Brent

Is that online you said?

3:12:23.465 --> 3:12:34.825

Pellegrino, Eli

Yeah. So the one that we did last week was more of a review of the new form coming up, which is available now. And then during the spring training.

3:12:24.75 --> 3:12:24.515

Lawson, Brent

Yep.

3:12:33.665 --> 3:12:34.145

jeff kilburn

Hey Cortana.

3:12:35.465 --> 3:12:49.985

Pellegrino, Eli

Sorry, I'll turn my camera on during the spring training. I also went over like how to actually submit the permits and we have a link to that on our website as well, which I can also put in the chat. But if?

3:12:45.925 --> 3:12:46.405

Jay Otis

And.

3:12:49.655 --> 3:12:53.55

Jay Otis

What do you do on?

3:12:51.435 --> 3:12:53.555

Pellegrino, Eli

You are wanting like more.

3:12:53.945 --> 3:13:8.905

Pellegrino, Eli

In depth training on how to do that, we can always work with individuals town offices to set up either a virtual or in person training, depending on how far you are from Augustina and what schedules look like.

3:12:54.755 --> 3:12:54.915

Jay Otis

No.

3:13:5.735 --> 3:13:6.735

Jay Otis

How? How?

3:13:9.565 --> 3:13:16.5

Lawson, Brent

So once this finally comes out online, I mean are they? Can they use them and submit them to the plumbing inspector?

3:13:10.145 --> 3:13:10.665

Jay Otis

So.

3:13:13.65 --> 3:13:13.185

Jay Otis

Hi.

3:13:17.395 --> 3:13:19.595

Lawson, Brent

Or they wait till 2028.

3:13:21.265 --> 3:13:23.145

Pellegrino, Eli

You do not have to wait until 2028.

3:13:23.435 --> 3:13:23.995

Lawson, Brent

OK.

3:13:24.675 --> 3:13:29.755

Pellegrino, Eli

So you can start using them soon. Not quite yet.

3:13:29.755 --> 3:13:38.35

Pellegrino, Eli

We'll put a notice out on the website when they are final and good to use, and also we'll be sending out a Gov delivery e-mail.

3:13:39.595 --> 3:13:43.35

Pellegrino, Eli

That's like a big like, hey, hello. The new forms are here. How exciting.

3:13:48.475 --> 3:13:51.115

Pellegrino, Eli

The 2028 thing is more.

3:13:51.385 --> 3:14:9.45

Pellegrino, Eli

Of like if you have done a design in the last year or in this coming year on the old form, that design is still good to be permitted until 2028, but after that the cut off. But after that cut off everything will really need to be.

3:14:9.35 --> 3:14:9.425

Pellegrino, Eli

On the new form.

3:14:11.285 --> 3:14:13.805

Thomas Hurd

So is this.

3:14:11.305 --> 3:14:12.825

Pellegrino, Eli

Does that answer your question?

3:14:13.805 --> 3:14:20.285

Thomas Hurd

I guess so does does the new CAAD system required? Or can you still use just the manual fill out paper system?

3:14:20.705 --> 3:14:23.625

Pellegrino, Eli

You can absolutely fill it out manually.

3:14:23.745 --> 3:14:31.625

Pellegrino, Eli

We did the CAD form just 'cause. We had gotten some requests and we heard that people were using it or were using that program.

3:14:23.905 --> 3:14:24.425

Thomas Hurd

Because it.

3:14:30.345 --> 3:14:33.705

Thomas Hurd

Yeah, I mean, you know, I don't have a CAD program.

3:14:33.705 --> 3:14:35.505

Thomas Hurd

Of course, I'm not a license to do it yet.

3:14:35.505 --> 3:14:37.145

Thomas Hurd

Anyway, I'm hoping next spring or summer.

3:14:39.115 --> 3:14:45.155

Thomas Hurd

But but seems like that CAD program the licensing on it's quite expensive if somebody's just getting started out.

3:14:48.25 --> 3:14:50.145

Pellegrino, Eli

I'm not super familiar with the pricing.

3:14:50.145 --> 3:14:54.345

Pellegrino, Eli

I only heard Josh talking about it last week.

3:14:56.115 --> 3:15:4.35

Pellegrino, Eli

I get the sense that a lot of people were using septic tan, but I don't know what the pricing is for the different systems.

3:15:5.635 --> 3:15:6.275

Pellegrino, Eli

And stuff like that.

3:15:7.25 --> 3:15:7.145

Thomas Hurd

Hmm.

3:15:7.195 --> 3:15:9.715

Pellegrino, Eli

But you can always fill them out manually. That's perfectly fine.

3:15:10.935 --> 3:15:11.95

Thomas Hurd

OK.

3:15:15.925 --> 3:15:22.405

Lawson, Brent

There was an internal plumbing question that says can the homeowner do the internal plumbing for a standalone Adu?

3:15:23.5 --> 3:15:27.645

Lawson, Brent

No, it's a separate dwelling unit and that is not the homeowners residence.

3:15:27.645 --> 3:15:30.365

Lawson, Brent

So they're going to have to hire a master plumber.

3:15:51.865 --> 3:15:53.65

Lawson, Brent

That are more questions.

3:15:55.295 --> 3:15:58.255

Pellegrino, Eli

I see that Jay has his hand up. Go ahead.

3:15:55.865 --> 3:15:56.745

Jay Otis

I have a question.

3:15:58.555 --> 3:16:1.475

Jay Otis

Yes, thank you for this session.

3:16:1.475 --> 3:16:6.35

Jay Otis

First of all, second is someone who inspects septic systems.

3:16:6.235 --> 3:16:11.315

Jay Otis

Can you address when a permit is required for replacing or expanding a disposal field?

3:16:11.395 --> 3:16:17.275

Jay Otis

I'll put this in context when I do an inspection, I'm sometimes told by the property owner.

3:16:17.275 --> 3:16:20.835

Jay Otis

Oh, I replaced the field or I expanded it and I didn't need a permit.

3:16:22.705 --> 3:16:25.625

Lawson, Brent

No, you always need a permit. Once you break ground, you need a permit.

3:16:26.815 --> 3:16:30.415

Jay Otis

That's what I tell them, but I they don't always agree.

3:16:30.415 --> 3:16:42.855

Jay Otis

And secondly, as an inspector, if we find a non conforming system, for example the grey water is not being treated, are we under any obligation to notify the municipality of that non conforming system as an inspector?

3:16:45.855 --> 3:16:46.735

Lawson, Brent

I don't believe so.

3:16:48.195 --> 3:16:49.155

Lawson, Brent

Because you're hired by.

3:16:50.795 --> 3:16:53.35

Lawson, Brent

One person to do an inspection.

3:16:53.955 --> 3:16:56.875

Lawson, Brent

So I think you're only obligated to that person.

3:16:57.235 --> 3:17:0.315

Lawson, Brent

But I mean, if it's malfunctioning and going all over the place.

3:16:58.195 --> 3:16:58.715

Jay Otis

But.

3:17:1.995 --> 3:17:2.555

Lawson, Brent

I would say.

3:17:4.115 --> 3:17:5.115

Lawson, Brent

Tell them that you know.

3:17:5.115 --> 3:17:6.315

Lawson, Brent

Listen, this is what's going on.

3:17:6.475 --> 3:17:8.555

Lawson, Brent

I'm gonna notify the local plumbing inspector.

3:17:9.685 --> 3:17:24.45

Jay Otis

Well, that's my position. If I'm representing a buyer on a system and I find the grey water is not being treated and the deal doesn't go through, I'm concerned the seller's not gonna take care of it and they're contaminating the area and I feel some moral OB.

3:17:19.285 --> 3:17:19.885

Lawson, Brent

Right.

3:17:24.525 --> 3:17:29.445

Jay Otis

To notify the municipality, even though I may not have a legal obligation to do so.

3:17:29.895 --> 3:17:34.55

Lawson, Brent

Yeah, yeah. I mean that's that would be my position as well.

3:17:30.825 --> 3:17:31.105

Jay Otis

Yeah.

3:17:35.265 --> 3:17:35.945

Jay Otis

Thank you.

3:17:35.835 --> 3:17:36.75

Lawson, Brent

Yep.

3:17:35.985 --> 3:17:36.505

Jay Otis

Thank you.

3:17:38.485 --> 3:17:39.125

Mark Cenci

Hey, Brent.

3:17:39.475 --> 3:17:42.595

Lawson, Brent

Yep. Good.

3:17:40.595 --> 3:17:41.555

Mark Cenci

Mark Sensi, how you doing?

3:17:43.685 --> 3:17:47.405

Mark Cenci

I've got a question regarding fill extension material.

3:17:47.405 --> 3:17:55.565

Mark Cenci

I know the code calls for gravelly coarse sand, but you know sometimes that can be too good a material.

3:17:49.135 --> 3:17:49.295

Jay Otis

Cool.

3:17:50.825 --> 3:17:51.305

Lawson, Brent

Yeah.

3:17:55.565 --> 3:17:56.845

Mark Cenci

You know, you get on a clay.

3:17:55.905 --> 3:17:56.585

Lawson, Brent

That's true.

3:17:56.845 --> 3:18:2.325

Mark Cenci

You get on a clay site and there's a slope to it. Even if you scarify the ground.

3:18:2.325 --> 3:18:5.805

Mark Cenci

I mean, I've seen breakouts at the toe of the fill.

3:18:7.275 --> 3:18:13.275

Mark Cenci

And I've talked to some excavators and they they like using more of a bank run sand.

3:18:13.625 --> 3:18:19.945

Mark Cenci

Once they get about three to five feet out from the edge of the downhill end of the system, but that's not really.

3:18:21.395 --> 3:18:27.515

Mark Cenci

Addressed in the code, but but sometimes it can be just just the thing that's needed.

3:18:27.995 --> 3:18:34.875

Mark Cenci

You got any ideas on on how that would be treated by the by the department, the division?

3:18:34.235 --> 3:18:49.915

Lawson, Brent

Well, I, I mean I believe that I'm not too sure on this, but maybe you can say whether it is or not, but I don't think you know the the clay, the clay cap on the toe of the fill is in the in the code book either.

3:18:50.715 --> 3:18:51.875

Lawson, Brent

But a lot of people do that.

3:18:51.155 --> 3:18:53.635

Mark Cenci

Well, I'll tell you I've seen.

3:18:53.675 --> 3:18:55.915

Mark Cenci

I've seen clay caps get put in that.

3:18:57.395 --> 3:19:1.195

Mark Cenci

The finished surface was higher than the higher than the leash field.

3:19:1.535 --> 3:19:2.175

Lawson, Brent

Oh really?

3:19:2.785 --> 3:19:4.745

Mark Cenci

Oh yeah, several.

3:19:4.745 --> 3:19:15.105

Mark Cenci

I mean, maybe a half a dozen failures on account of the clay, the clay dam working really well, but it back floods into the system and turns it sour.

3:19:10.345 --> 3:19:10.705

Lawson, Brent

Yeah.

3:19:15.495 --> 3:19:23.215

Lawson, Brent

Yeah. I mean, I think if it's bank run sand for part of the fill extension, I mean you're trying to prevent something from happening.

3:19:23.875 --> 3:19:24.555

Mark Cenci

Right.

3:19:24.715 --> 3:19:26.555

Lawson, Brent

So I think it's all good really.

3:19:28.155 --> 3:19:35.115

Mark Cenci

OK, I'll 'cause sometimes the contractors ask me my opinion on that and I never really quite know what to say to them, you know.

3:19:29.305 --> 3:19:29.665

Lawson, Brent

Yep.

3:19:35.505 --> 3:19:36.665

Lawson, Brent

Yeah, right.

3:19:36.825 --> 3:19:50.705

Lawson, Brent

I mean, even though it's not in the code book, I mean, you know, it's, you know if you put the regular backfill material in there, which is you know coarser like you said than the clay, of course it's gonna fill up and run out. So if you.

3:19:50.705 --> 3:19:53.785

Lawson, Brent

Put something there that's gonna hold it in more.

3:19:54.305 --> 3:19:55.985

Lawson, Brent

I think that's the way to do it.

3:19:56.865 --> 3:20:5.665

Mark Cenci

But I'll tell you the texture of the backfill material against your stone or against your in drains or whatever is crucial I have seen.

3:20:4.805 --> 3:20:5.445

Lawson, Brent

Yes.

3:20:6.25 --> 3:20:18.65

Mark Cenci

I have seen, you know, stone beds that were installed properly but backfilled with a very fine sand and it just \*\*\*\*\* is right up. I mean it just it's like a wall.

3:20:19.185 --> 3:20:19.785

Lawson, Brent

Right.

3:20:19.555 --> 3:20:26.515

Mark Cenci

So I mean, I think all the guys should understand that the courses stuff they can get should be put in that first couple 3.

3:20:26.785 --> 3:20:27.385

Mark Cenci

Feet.

3:20:28.575 --> 3:20:29.815

Lawson, Brent

Yeah, no, I agree.

3:20:30.715 --> 3:20:31.75

Mark Cenci

All right.

3:20:31.75 --> 3:20:31.715

Mark Cenci

Thanks friend.

3:20:31.675 --> 3:20:32.435

Lawson, Brent

Yeah. You're welcome.

3:20:41.65 --> 3:20:41.665

Lawson, Brent

Dan.

3:20:43.305 --> 3:20:45.785

daniel ennis

Yeah, I just had a quick question too.

3:20:45.785 --> 3:20:47.465

daniel ennis

I mean, maybe a discussion on this, but.

3:20:49.755 --> 3:20:50.555

daniel ennis

I do.

3:20:50.555 --> 3:21:5.515

daniel ennis

A lot of Elgin systems, and there is a pit near me that has a really, really nice sand that

you know the the granules are really round. That kind of comes naturally washed that I like to use for them because I found that, you know, just using regular.

3:21:5.835 --> 3:21:12.915

daniel ennis

Septic sand, obviously is not part of the plan either, but if you don't use really coarsan, they fail kind of quick.

3:21:14.745 --> 3:21:15.545

daniel ennis

Have you noticed?

3:21:16.65 --> 3:21:24.625

daniel ennis

Have you noticed people you know, preferring a different size sand or a place that they get it from in the state? Heard anything like this?

3:21:26.305 --> 3:21:33.265

Lawson, Brent

The only thing I've run across is yeah, they're using different SAMP, but they're going. They're putting it through.

3:21:34.835 --> 3:21:37.235

Lawson, Brent

What's his name? Down the Wyndham. The Elgin guy?

3:21:40.375 --> 3:21:45.335

Roger St Amand

And Wayne Presentus construction consultants.

3:21:40.655 --> 3:21:44.455

Lawson, Brent

Gosh, what's that? Wayne. Yeah, Wayne.

3:21:46.75 --> 3:21:56.675

Lawson, Brent

Yeah, 'cause. He's the one that has the eldrins. And if you run it by him first and and they say it's OK which which he's done before, you should be fine.

3:21:50.775 --> 3:21:51.535

daniel ennis

Correct. Yep.

3:22:5.175 --> 3:22:5.655

Lawson, Brent

Yeah.

3:22:5.725 --> 3:22:14.605

daniel ennis

I've heard a lot of people say it kind of the rule of thumb with it is if it comes from a crusher, it's the wrong stuff which you know, I have also seen people use that so.

3:22:16.255 --> 3:22:22.295

daniel ennis

Yeah, I just didn't. Didn't know if there was some clarification on what really because the SIV, you know it's medium core San for Elgin system.

3:22:17.505 --> 3:22:17.905

Lawson, Brent

Yeah.

3:22:22.295 --> 3:22:28.335

daniel ennis

So I just didn't know if 'cause you know, recently you had said you grab a handful of San and you know you kind of scrunch it up.

3:22:28.335 --> 3:22:34.575

daniel ennis

You don't want to stick together and things of that nature like what should you be looking for for that type of san, for the Elgin systems?

3:22:33.455 --> 3:22:34.15

Lawson, Brent

Right.

3:22:34.965 --> 3:22:40.325

daniel ennis

Might be good knowledge for people to get 'cause. I see a lot of systems getting put in that are definitely gonna fail.

3:22:40.845 --> 3:22:44.685

Lawson, Brent

Yeah. And I I wouldn't dare to say any specs on that.

3:22:44.685 --> 3:22:45.925

Lawson, Brent

It's all up to Wayne.

3:22:47.455 --> 3:22:49.935

Lawson, Brent

Because that's their own thing, and that's why he's here. So.

3:22:51.535 --> 3:22:52.815

Lawson, Brent

That's probably a better question for him.

3:22:53.85 --> 3:22:53.205

Lawson, Brent

Bam.

3:22:56.405 --> 3:22:57.525

daniel ennis

Yeah, OK, for sure.

3:22:57.525 --> 3:23:0.925

daniel ennis

I just figured I would at least raise the question.

3:22:57.625 --> 3:22:57.985

Lawson, Brent

Yep.

3:23:0.685 --> 3:23:1.285

Lawson, Brent

Yeah.

3:23:0.925 --> 3:23:6.765

daniel ennis

The question because there's a bunch of new people that are, you know, putting septic systems in, they start doing elgins.

3:23:6.765 --> 3:23:10.805

daniel ennis

It is a different sand and if you use the wrong stuff they fail quick so.

3:23:10.205 --> 3:23:17.205

Lawson, Brent

Right. And I think his his sand is spected his manual, right, I believe, yeah.

3:23:15.935 --> 3:23:24.295

daniel ennis

Yeah, it's. It's also spectrum on the it's gonna be spectrate on the form, you know it's filled out by your septic engineer as well, so.

3:23:16.495 --> 3:23:17.815

Rick Licht

Yep it is.

3:23:24.245 --> 3:23:25.205

Lawson, Brent

Yeah. OK.

3:23:25.245 --> 3:23:29.685

Lawson, Brent

So I mean, I think you know, if worse comes to worse if you just follow that.

3:23:30.245 --> 3:23:34.805

Lawson, Brent

And I mean, I think it'd be fine, but if if you can't find any of that, I would talk to Wayne.

3:23:37.725 --> 3:23:38.485

daniel ennis

Thank you.

3:23:38.905 --> 3:23:39.745

Lawson, Brent

Yep, you're welcome.

3:23:41.695 --> 3:23:42.215

Lawson, Brent

Chris.

3:23:43.735 --> 3:23:54.655

christopher bilodeau

On the subject of Elgin's, I was brought up the other day looking at a system elgins have a right side up and a right side down, and it's indicated by a white mark on the Elgin. Is that correct?

3:23:54.995 --> 3:23:55.675

Lawson, Brent

That is correct.

3:23:56.545 --> 3:23:57.785

daniel ennis

Absolutely yes.

3:23:59.655 --> 3:24:0.375

christopher bilodeau

Good to know.

3:24:0.905 --> 3:24:1.425

Lawson, Brent

Yeah.

3:24:3.895 --> 3:24:6.95

Lawson, Brent

See look, look at all the stuff you guys are learning.

3:24:10.555 --> 3:24:11.715

Lawson, Brent

Myself included.

3:24:14.715 --> 3:24:20.715

Rick Licht

I've got a question going back to the Phill extensions that Mark brought up the questions about that.

3:24:14.765 --> 3:24:15.525

Lawson, Brent  
Hey, you know.

3:24:21.195 --> 3:24:38.715

Rick Licht

So if we do put, I'm thinking about reality cost constructibility. If you've got a large fill extension and you obviously you want to have that out, maybe you're utterly shoulder out 3 feet with your coarse, you know gravity, coarse sand, if you're using fill beyond that, are we?

3:24:28.65 --> 3:24:28.305

jeff kilburn  
Really.

3:24:38.715 --> 3:24:39.555

Rick Licht  
Saying maybe.

3:24:40.215 --> 3:24:40.255

Rick Licht  
A.

3:24:40.255 --> 3:24:43.215

Rick Licht  
Sandy Lope or a Lamy sand, I mean.

3:24:44.5 --> 3:24:45.525

Rick Licht  
Because the spec still says. Am I.

3:24:45.605 --> 3:24:47.285

Rick Licht  
Am I correct? The spec still says.

3:24:48.855 --> 3:24:54.55

Rick Licht

The the subsurface you know, sand, which is gravely gravely coarse sand.

3:24:53.365 --> 3:24:55.165

Lawson, Brent

Right, right.

3:24:54.695 --> 3:25:4.335

Rick Licht

So is it OK to put something lesser in that what you create that your window of 3-4 feet outside your shoulder?

3:25:4.695 --> 3:25:5.535

Rick Licht

And if so, what?

3:25:5.535 --> 3:25:11.455

Rick Licht

Should there be something written you know to advisory to the code about that and what are the thoughts on that?

3:25:11.975 --> 3:25:22.695

Lawson, Brent

Yeah. And I I really think it's, it all depends what your base material is like with like with Mark, you know we had a clayey filthy thing and.

3:25:16.795 --> 3:25:16.995

Rick Licht

Uh-huh.

3:25:24.815 --> 3:25:32.815

Lawson, Brent

You know the I don't think it would matter that much if you buried that far from the backfill material that's in the code book.

3:25:34.335 --> 3:25:35.135

Lawson, Brent

I wouldn't go with Al.

3:25:35.135 --> 3:25:42.535

Lawson, Brent

Don't know if I'd go with a lomy area, but a little bit lighter than the regular gravelly coarse sand.

3:25:44.175 --> 3:25:45.455

Lawson, Brent

Well, a little, you know, heavier but.

3:25:47.135 --> 3:25:51.535

Lawson, Brent

I think that that depends on each site evaluator in each situation really.

3:25:52.405 --> 3:25:54.245

Rick Licht

No, I mean the reason I bring it up sometimes.

3:25:54.245 --> 3:25:57.885

Rick Licht

You you get into these, you get into a nice material that may not be exactly.

3:25:57.885 --> 3:26:0.685

Rick Licht

Maybe it's slightly a loamy sand.

3:26:0.795 --> 3:26:1.195

Lawson, Brent

Yeah.

3:26:2.95 --> 3:26:13.615

Rick Licht

But it doesn't in your opinion, wouldn't meet the spec for the new for the septics sand, and you looking at a big fill extension. And if you got the material on site and can use it, you know it's a cost saving.

3:26:13.615 --> 3:26:15.615

Rick Licht

It's it's just practical, yeah.

3:26:14.585 --> 3:26:16.545

Lawson, Brent

Yeah, right. Right.

3:26:18.55 --> 3:26:19.575

Lawson, Brent

No, I mean that sounds reasonable.

3:26:19.865 --> 3:26:20.425

Rick Licht

OK.

3:26:20.905 --> 3:26:22.905

Rick Licht

Good to know. Thank you.

3:26:23.285 --> 3:26:23.965

Lawson, Brent

Yeah. You're welcome.

3:26:28.185 --> 3:26:40.305

Lawson, Brent

Yeah. I mean the whole thing is you know, we're, we're all here to work together and try to find out different ways that people do things and the best way that people do things that way we can, you know, create the code a little bit more.

3:26:41.975 --> 3:26:49.735

Lawson, Brent

Better serving to everybody and I think it's going to the right. It was, it's come a long way since 10 years ago, but.

3:26:51.375 --> 3:26:51.935

Lawson, Brent

It's getting now.

3:26:55.515 --> 3:26:56.235

Lawson, Brent

Anybody else?

3:27:2.975 --> 3:27:3.975

Lawson, Brent

All right.

3:27:3.975 --> 3:27:4.575

Lawson, Brent

Well, I think that concludes it.

3:27:4.575 --> 3:27:11.255

Lawson, Brent

And if you have any questions or anything, you guys just e-mail me, Brent Lawson at Maine Gov.

3:27:12.975 --> 3:27:14.615

Lawson, Brent

And we'll get your answers for you.

3:27:21.745 --> 3:27:22.465

Pellegrino, Eli

Thanks everyone.

3:27:21.925 --> 3:27:22.525

Lawson, Brent

I think.

3:27:22.165 --> 3:27:22.845

jeff kilburn

Thank you.

3:27:24.15 --> 3:27:25.175

Lawson, Brent

Yeah, we're gonna end it now.

3:27:25.175 --> 3:27:26.775

Lawson, Brent

And you guys have a great day and week.

3:27:27.805 --> 3:27:28.485

Heather Merriman

Thanks, Brent.

3:27:28.485 --> 3:27:30.565

Heather Merriman

Thanks Eli. Thanks, Alex.

3:27:29.735 --> 3:27:30.415

jeff kilburn

Thank you all.

3:27:29.755 --> 3:27:30.675

Lawson, Brent

You're welcome.

3:27:30.705 --> 3:27:31.785

Rick Licht

Yep, thanks all of you.

3:27:31.785 --> 3:27:33.585

Rick Licht

That was a great, great presentation.