

U-5706 - CP 4B Meeting-20260916_130234-Meeting Recording

September 16, 2026, 5:02PM

54m 53s

● **Headrick, Hannah S** started transcription

HS **Headrick, Hannah S** 0:04

Alright, you want me to start out? No, no, pay pardon, Division of Water Resources, Transportation, Permitting.

Rob Wright, Division of Water Resources. Thomas Burton, Division of Water Resources. Santos Devcoda, with Subgate Design Group. Will have Subgate Cyber and Petrol. Morgan DeWitt.

DH **DeWit, Morgan H** 0:28

Good afternoon, Morgan, Division 8.

HS **Headrick, Hannah S** 0:31

Christina Fitzgerald.

FC **FITZGERALD Christina** 0:35

Hey, Christina Fitzgerald with Aegis, formerly Lochner.

HS **Headrick, Hannah S** 0:40

Sylvie Henderson.

HJ **Henderson, Sylvie J** 0:43

I'm Sylvia Henderson. I'm with the Transportation Engineering Associate Associates Program in Division Eight.

HS **Headrick, Hannah S** 0:44

Select, change picture.

Thank you, Marie. I'm not even gonna try the last one.

JM JAFFE Marie 0:55
Don't even worry about it. It's Marine Jaffe. I'm with Aegis, also formerly Lochner.

HS Headrick, Hannah S 1:01
All right, thank you. Jay McKinnis.

JM JAFFE Marie 1:02
Sure, sure.

JM Jay McInnis 1:06
Hey, I'm Jay McKinnis with DRMP. I'm Assistant Division 8.

HS Headrick, Hannah S 1:11
Mark Johnson.

JL Johnston, Mark L 1:14
Good afternoon, Mark Johnston, Division 8, Project Development. I'm the project manager for the project.

HS Headrick, Hannah S 1:20
Steve and Cork.

SC Steve B Corps 1:23
Good afternoon, I'm Steve Brumingen with the Corps of Engineers out of the Charlotte Field Office.

HS Headrick, Hannah S 1:29
And, Mister Struder.

SA Stroder, Jeffrey A 1:33
Jeffrey Stroeder, Division Managed STIP Engineer with Division Eight.

HS Headrick, Hannah S 1:40
Okay, so Oregon or Will.

I don't know if Morgan wants to kind of introduce the project. Oh, and Steve, with Core, do you have any opening comments? Or do you want to introduce them? What, so far is it you wanted this project? Well, yeah, this is um, you get to 706 in Rockingham, the new.

SC Steve B Corps 1:59
A

HS Headrick, Hannah S 2:06

New location between US 74 and US and Roverdale Road. Each end of the project is a three-lane section. And we're on segment one right now. This project will break it up into two segments. Segment one and segment 2 are kind of earmarked on the end. Those are the three lane sections. And then we're coming back with segment 2, which is majority of the new location sections. But section 2 will have the first or the second intersection, which is Y2 County Home Road.

and why 3 East Washington Street, as well as US 1 intersection. So today's meeting is the 4B for the segment one, which I mentioned is the two ends of the project. Those are the current gutter section.

The bad, so yeah, that's plan sheet four and five, and then at the end it's 16.

in 16, 17, and 19. So the areas marked in red are the second.

Split it.

Steve, did you have any comments with the court?

SC Steve B Corps 3:28

Well, good afternoon. I appreciate everyone getting together. I generally don't have too many comments, Hannah, but I did have a question and I think we're kind of getting to the answer. I was hoping that we'd have a chance to kind of talk about how the project's being broken out and

I've seen the term segment, I've seen the term phase thrown out for this project, and I was hoping I could, at least for my benefit, get some clarification on how it's being broke out into these different

Phases or or or.

different segments and and

HS Headrick, Hannah S 4:09

So, is there a second? Yeah, I'll kind of give you a little...

SC Steve B Corps 4:09

how that was going to look as we move forward.

HS Headrick, Hannah S 4:16

Brief background on that. The reason the division decided to segment it is because we want to go ahead and get the 25% approval and the drainage started. But Y2 and Y3 intersections, we're going through some modifications. So we had
A few different.

Concepts for those intersections, you look at roundabouts, yeah, four-way stop, so we had several intersection concepts that.

We didn't want to hold up the project before they were decided on. And also, we wanted to give the utilities time to go ahead and get started on the project. So the segment, the decision was to go ahead and start the, have the DRBS 25% plans approved for each end.

while those intersections were still being worked out. We will not go to right away. The project will ultimately be one project where it will combine the two segments. But right now, this is just to go ahead and get approved drainage for the first segment, and then we'll be following up here in a couple of months for the next segment.

But the intent is to go ahead and hopefully by right away at one complete segment or project.

So another simple way to look at it is segment one is the existing location, and segment 2 is on a new location.

SC Steve B Corps 5:50

Oh, oh.

HS Headrick, Hannah S 6:01

Vast majority of it. Vast majority. Correct.

SC Steve B Corps 6:05

Okay, that's very helpful for me to understand that. And you got to something that was going to lead to my next question. You talked about how the segments will be brought together kind of as one project, and I assume it'll all be permitted. And when I talk about permitting, specifically the 404 permits and and all that will be kind of done at one time.

HS **Headrick, Hannah S** 6:31

Mark, I think that's the intent, correct, from the division is to have one permit for the project, not permit.

JL **Johnston, Mark L** 6:38

Yes, yes, and we should be moving forward with an intersection selection for Y2 and Y3 by the end of the month. So
Yeah, that would be our intent.

HS **Headrick, Hannah S** 6:56

I think the four B, I think the four B meeting for segment 2 is in December, so it's not too far away, correct?

SC **Steve B Corps** 6:56

Okay, thanks.

JL **Johnston, Mark L** 7:03

Right.

SC **Steve B Corps** 7:06

Well, I apologize if I'm taking people's time up here just trying to play catch up, but I wasn't all that aware of how the segments were being broken out and how they were all going to work as we go forward. So thank you very much for that. That's all I have right now. I'll turn it back over to you, Hannah.

HS **Headrick, Hannah S** 7:29

In that case, let's just move on to the first sheet, so final sheet number four.
So, I think we'll to the lower left.
I'm assuming that area, so it's about...

So basically, we have an existing box culvert underneath the US 74, which we're not doing anything to the box culvert itself. We're just going to be bringing some drainage down along to our river ditch, which you can see to the right. And that would go down to the existing channel for the box cover, which is on the inlet side of the box cover.

You can.

Here's a, it's kind of hard to get a good picture of the inlet. It's so overgrown, but that's standing on US 74 and looking upstream.

Then, if you could, so this is just looking downstream at the algorithm.

Okay, so you can see we're going to impact the right hand side. We are going to impact our wetland as we cut the ditch through. and have some impact to the JS just over time.

Do you guys have any questions or comments?

SC **Steve B Corps** 9:11

Well, I'll do.

HS **Headrick, Hannah S** 9:11

So...

SC **Steve B Corps** 9:15

I'm sorry, go ahead.

HS **Headrick, Hannah S** 9:19

Um...

We were wondering about the discharge amount going from the ditch to the stream SYA. Depending on the amount of discharge, do you think we could be tying in the riprap into the ditch itself to prevent channelization or?

Is that not a worry? All right. Explain that exactly. You want the so the new ditch, you would like it to be rip right as soon as it gets to the channel. I think it's that we're eventually talking about the tie and will the velocity as it enters the channel, that little bit of things that we'll see.

I don't know the velocity yet, yeah, but the idea would be to provide some rip ramp to, and maybe even bottom the base a little bit of the channel, just to decrease those velocities. I would imagine being in Rockingham is probably not in this area, but not

very steep.

OK, so the grades should be pretty shallow, or we can just make it shallow. I mean, as far as the flat grade, OK.

SC Steve B Corps 10:34

This is Steve. I just I was just going to ask us kind of that treatment right at the existing culvert from this drawing, in my old eyes, it looks like just rock. There's no head wall or wing wall or any inlet changes at all for that existing box culvert. Is that correct?

HS Headrick, Hannah S 10:56

That is correct. We will not be doing any work to the box cover itself, the existing box cover.

SC Steve B Corps 11:01

OK. Thank you.

HS Headrick, Hannah S 11:10

Anything else?

SC Steve B Corps 11:13

I have no other comments, no.

HS Headrick, Hannah S 11:17

Anybody else have any questions?

Go to the next slide.

And this is Wetland WR.

If you could bring up this picture.

So this is an existing, looks like a dry detention basin for the commercial property that's on the left of this picture. That parking area drains to this to this area. There's an outlet structure that's actually kind of in the wooded area, but far in the

Um, but yes, this is Wetland WR.

And there's the office structure that's engaged.

SC Steve B Corps 12:16

Yeah, this is Steve. The Wetland WR was picked up and maybe Jay can. remind me, I think that when we were doing some of the site visits when we were out there for the preliminary JD, if the areas either had water in them or were met the criteria for wetlands during the time of the inspection, they were included. It was Never in doubt that this the structure. facility, let's use facility, was meant entirely to deal with the water coming from the Zaxby's in the parking lot there. That was understood at that time. And we discussed how that would be handled when and if we got to permitting and We can talk about that now, if, if, if... In general terms, if you'd like, you know, generally... When I'm at this point, I'm... I'm looking at drawings and in this one it looks like your impact within that jurisdictional area is going to be Minimal square feet. And I didn't know if you had any details on that.

HS **Headrick, Hannah S** 13:38

No, I mean, you're correct. It looks like it's gonna be there's gonna be some impact, but yes, it should be done.

SC **Steve B Corps** 13:47

And I don't expect that this activity is going to have, and I don't know what the requirements were for putting that in or maintaining that is a storm water control feature as far as capacity and ability to handle and treat whatever's coming off of. Maybe treat isn't the right word to properly handle what's coming off the parking lot from Zaxby's, but I know.

HS **Headrick, Hannah S** 14:16

I don't know how dot or the divisions are handling this, but sometimes divisions usually like just pay the property owner to replace the outlet structure if they need to, or I guess in some cases dot actually builds in the outlet structure in this case.

SC **Steve B Corps** 14:16

All right.

HS Headrick, Hannah S 14:36

We will be impacting the existing, so these are has to be replaced, or someone would have replaced.

SC Steve B Corps 14:45

Certainly, and and as far as the core is concerned, you know that that, you know, those actions are are for.

let's say just loss of use, for lack of a better term, you know, through the project are handled between dot and the property owner. And, you know, we just need to know that you have assessed what those impacts are and if there is a need to do some. establishment of capacity or structure or whatever needs to happen out there will be between dot and the property owner.

HS Headrick, Hannah S 15:29

It probably needs to be checked to see if that property owner has. a stormwater permit from their local jurisdiction requiring them to treat their stormwater.

I would assume that's the case. Yeah, certainly nobody builds a, you know, touching basement, right? Which case, if that impacts it.

Maybe some type of...

mitigating or compensating that what's going to be done.

SC Steve B Corps 16:00

Well, and that that I'll leave that up to up to you all to figure that out. But you know, as far as the core is concerned, you know, we the the only other concern, of course, is that outlet elevation and all that is

HS Headrick, Hannah S 16:06

Yeah.

SC Steve B Corps 16:20

It looks like it's going to probably be maintained in or near where that existing. overflow or outlet structure is for that and going to be tying into your.

Your storm water.

I can't, looks like curb and gutter maybe.

HS **Headrick, Hannah S** 16:37

Yes, convinced.

SC **Steve B Corps** 16:45

And it looks like it's being handled by an 18-inch pipe now, and that looks like what was going to be.

At least retain between that.

I assume structure or catch basin there, which is a larger rectangle as it goes across and under the road. So that connectivity is obviously shown.

And, you know, just changing elevation can have an effect for the property owner and what they do there. But again, that's between dot and the property owner to make sure that he's still, if there are requirements for stormwater, he's still in compliance for that. So.

But...

where the Corps will ask that you identify the area of impact that will be within that jurisdictional area as part of any permit action that you have for this project. And, you know, what we've done in the past is we've much like impacts to other tributaries or wetlands that have been evaluated for, you know, opportunity to provide function. You know, there is a consideration for stormwater basins and all that is taken into consideration.

when we get to the point where we might be talking about that permit action and whether there is a need for mitigation for those specific impacts. That's the reason why I ask you to kind of break them out so we can talk specifically about where the impacts are throughout the project once we get to a permit.

HS **Headrick, Hannah S** 18:34

Okay.

Anybody else have any other questions or comments?

Okay, so the next site is the Wetland WS.

And.

But this is basically standing near the road looking upstream.

It's basically a drive attention basin for part of the commercial development.

and we're not impacting at all.

That continues on the next sheet, then we're still not impacting.

You can see it.

Right there.

And then to the right of that is well and WAJ.

We're not impacting that one.

Okay, so then the project continues on the next sheet.

Which there are no wetlands, and...

The area just to the right of the SAG, which you can see the SAG labeled in here, is where the second one will finish.

So now we're at the end of the first part of second one. Now we're going to jump to the beginning of the second part of second one.

Which is?

on sheet sixteen.

So where exactly does, we're showing the wetland on the left. Pretty much at the match line on the left. Okay. So the wetland that you see on the left part of the sheet will be impacted by a second one. So this is basically where a second one starts.

Uh, where it said the match line session 170 plus 50 minutes.

So, here we have a cross pipe.

Ohh, let's say it's not.

That's A forty-eight inch bike.

picture. We don't really have a great picture.

But if you can see to the left is basically where it is.

Just uh, I don't like a nicely wooded area.

Does anybody have any questions or comments?

Uh, Robin W.I. might just be, for my knowledge, as I'm new to the project, but the bill slope and drainage does seem to go pretty far into the wetland away from the road. I was wondering if that could is, I don't know what the slots are. I'm sorry, you know that 31 Christine or are they?

The 3 one size loops.

FC **FITZGERALD Christina** 22:08

They should be, but I'll confirm in a second.

HS **Headrick, Hannah S** 22:12

Yeah, I believe 3 to 1 in this area is the maximum.

Everyone, yeah, everyone wanted to see them.

Or, if you wanted to bring in the fill slides, yes, yes, that's the support of 41 would be the max then.

No, is that a cut? That's up here over there. We're talking about the steepness on that. Ohh, two to one's deeper than three to one, so you're saying, yeah, that's where the two to one in the can we go two to one in the this?

I've got the sign right here. I think the concern is 2 to one, let's push further in the wetland. No, 2 to one. Yeah. Four to one, push now. Yeah, so three to one would be the max backflow right now. Is there. What about the slope? No slope, we've got three to three to one would be.

So the statements in the morning, yeah.

I said, that's what it currently is. I think she's checking on that, but that's what.

FC

FITZGERALD Christina 23:17

Yep, I'll have that in one second.

HS

Headrick, Hannah S 23:24

We had just noticed it pulled in on other parts of the project, and we're curious why it hadn't been done here, but it, yeah, it depends on the height of the road. Yeah, yeah, the higher the road, the further it's gonna go out.

FC

FITZGERALD Christina 23:40

So we did pull it in in this section. So it switches from 4 to 1 to 3 to 1 at station 172.

HS

Headrick, Hannah S 23:49

Richard.

FC

FITZGERALD Christina 23:49

So just before that cross pipe.

HS

Headrick, Hannah S 23:52

So part of that wetland is in a transition over one.

FC **FITZGERALD Christina** 23:59

Correct, correct. We could probably make it 3 to 1 through the entire wetland.

HS **Headrick, Hannah S** 24:05

People.

Sorry, it should.

I was looking for your twenty-five percent plans.

You can try it back.

I was having fun to call sessions going, yeah, yeah.

FC **FITZGERALD Christina** 24:29

If it's if it's helpful, I can share my screen with the cross sections on it.

HS **Headrick, Hannah S** 24:32

I can actually, if you have that available, that'd be great, just so they can see.

FC **FITZGERALD Christina** 24:35

Yeah.

HS **Headrick, Hannah S** 24:37

Go back to me.

FC **FITZGERALD Christina** 24:42

So here.

Trying to remember exactly what station the wetland started at, but the cross pipe was around station 17250.

HS **Headrick, Hannah S** 24:53

Yes, I think that's good.

FC **FITZGERALD Christina** 24:56

So you can see around 169.50 approaching that. We're more or less at grade. And then it goes to four to one.

And then it holds that four to one.

I believe this is a driveway location.

And then.

Now that driveway continues there. That's why it's flatter. And then we've got 4 to 1.

Then it transitions to three to one.

So we could probably just take the fill slope at 171 50 just past the driveway, make that three to one and then hold the three to one until we get out of the wetland.

HS

Headrick, Hannah S 25:43

What is it at the which is a?

FC

FITZGERALD Christina 25:47

Say that one more time.

HS

Headrick, Hannah S 25:48

OK, I just wanted you to go to the next one. OK, so...

You can zoom in to 172 plus 15.

OK, so that's where, basically, what props back is, so that's three to one, and even start.

SC

Steve B Corps 26:15

This is Steve, and you may have said, but on this end, every, it was a little bit garbled.

I was wondering, 301 is based on safety requirements because of the sidewalk or what?

Three to one versus 2 to one that that was the I wasn't clear on on that distinction.

FC

FITZGERALD Christina 26:41

Three to one is the max fill slope based on geotechnical recommendations.

HS

Headrick, Hannah S 26:41

Big Bird.

SC

Steve B Corps 26:47

Okay. Geotech. Okay.

HS **Headrick, Hannah S** 26:50

What's that?

SC **Steve B Corps** 26:50

So 2 to ones.

So 2 to one would be right out from the geotech.

FC **FITZGERALD Christina** 27:00

from the preliminary geotech recommendations. So we are getting more detailed geotech recommendations that may allow for a two-to-one fill slope.

SC **Steve B Corps** 27:03

Okay.

JM **Jay McInnis** 27:13

Typically in this area, 3 to 1 is the maximum slope.

SC **Steve B Corps** 27:13

OK.

And and and and that's fine. I just I always hear these things and want to stop and kind of put a little mark by it that you know discussion about the fill slope, especially in fills and wetlands, eventually have to be talked about in a permit application and. And the reasons for aren't always apparent to me, or maybe some of the others, and it's good to include that.

That reasoning is part of that for three to one, because you know.

If you've sat through one or two of these meetings, you've heard heard discussion about side slopes and can they can they be pulled in and the reasons why. And I think it's sometimes we talk about it at this point, but it doesn't always make the translation to the permit application. So I'll just

Put in my two cents now, and...

And turn it back over to you.

HS **Headrick, Hannah S** 28:24

So places where you have like sandy soil, typically you walk through the water

platter.

It's just that the two to one, the steeper slopes are a little bit more technical to maintain, um, like to grow grass, or you might have more sloping.

Or it will need some type of stability.

These 2 ones with rip wrap stone or something, but that would then have to be a recommendation for Jotech, right?

Any other questions or comments?

Yeah.

So, go on to the next weapon.

So, so basically, we have a 24 inch cross pipe.

There's a wetland on the LNL, which is the one on top, and a wetland on the outlet, which is the one on the bottom. And if you could go to the picture of the LNL.

So this is.

And that's looking upstream, OK, and then turn it around, I think, looking downstream.

No hard to say what it looks like.

And then I think I might have had another picture in the outlet.

That's a standard of a replicator.

Right.

SC Steve B Corps 30:16

I did have a question here. And it kind of led me down a rabbit hole. So you have to bear with me a little bit here. I was looking at that area between the two cross pipes, the two 24 inch cross pipes, and I saw a wetland symbol in there. And I didn't see a dotted line around that.

HS Headrick, Hannah S 30:30

The.

SC Steve B Corps 30:38

That area.

Went back and I took a look at the JD and I'm wondering.

If you would go back and and check that, I'm not I'm not sure that area. What did I write down here?

Wetland WAAN on my delineation is that I I sent out was pretty pretty narrow like that one is. It's got a little area there there off to the side.

HS **Headrick, Hannah S** 31:19

Right.

SC **Steve B Corps** 31:25

And all that is on the north side of the existing Rd. And it doesn't look like WAN travels. And I'm turned around here direction wise, whether that's to the south or not, but towards WAM. So I don't know if that got picked up from I'm not sure where that's coming from. You might, and I would, but I would ask you to verify that area right there where your cursor is. If that got pulled in somehow, or...

HS **Headrick, Hannah S** 31:57

Yeah, I see what you're saying now. You're saying that there's no delineation of those wetland symbols in that area.

SC **Steve B Corps** 32:05

Yeah, and I don't know if maybe that came from a file.

HS **Headrick, Hannah S** 32:08

See.

JM **Jay McInnis** 32:10

Ohh.

SC **Steve B Corps** 32:10

Who knows?

HS **Headrick, Hannah S** 32:11

Yeah.

SC **Steve B Corps** 32:12

No, but, but...

HS **Headrick, Hannah S** 32:13

Yeah, I don't know what happened there, but that's the file I already received did not have any type of blue dash one or other summons.

SC **Steve B Corps** 32:22

Yeah, that was the only reason it caught my eye. And then I started doing a little digging. So that one warrants some, and I think that's, is that station near station 180. Yeah. Take a look at that and see if that's something that came from something preliminary or something prior to the JD being issued.

HS **Headrick, Hannah S** 32:34

Yes.

Yeah, because when we do the private drawings, we need to know what the mediation is, and it's kind of what the impact is.

SC **Steve B Corps** 32:51

Yeah.

HS **Headrick, Hannah S** 32:53

Yes.

SC **Steve B Corps** 32:56

But that's the only comment I have for that, those crossings right there.

HS **Headrick, Hannah S** 33:03

Can you show the picture, since we're talking about that slide, can you show the picture?

That's you can't really see, it's just overgrow, yeah.

Alan.

I guess that's the problem about taking pictures in late summer, but sadly overburden.

Send a picture of W.A.M.

Which one? The one, the picture that you had? Yes, and that one, OK.

And then they answer the notes, so you can click on that one.

That's W.A. Oh, oh, exhausting. I got you. That's W.A.M. and if you click on the other one, it's...

Yeah.

Are there any other questions or comments?

Okay, so the next one we'll go to is Wetland WN.

And we're having a little bit of an impact at the upper end of that one.

SC Steve B Corps 34:43

And I was trying to read your plans there, that it looks like that little... piece of WN.

Is associated with the pipe.

I can't, I can't tell.

HS Headrick, Hannah S 34:57

It's it looks like it's probably about 10 feet, maybe a little bit less than 10 feet from the outlet of the pipe of the existing pipe.

SC Steve B Corps 35:06

Right.

HS Headrick, Hannah S 35:06

Is that what you're saying? The existing pipe? Yeah, which the existing pipe is like a kind of like an orange color.

SC Steve B Corps 35:09

Yeah.

HS Headrick, Hannah S 35:17

And I just noticed it says direction only, which tells me that, and I haven't been to the slides, so hold on, but it tells me that the people who went out and surveyed and could not, so originally it could have been where you see the web.

SC Steve B Corps 35:33

Yeah.

HS **Headrick, Hannah S** 35:34

And now it's just overrun and covered and very.

SC **Steve B Corps** 35:34

Yeah, that.

Right, and I can't remember specifically or anything like that, but I figured that when a feature looks like that, it's almost always driven by some sort of... pipe or other discharge. So thank you.

HS **Headrick, Hannah S** 35:54

Hi.

So I might not have a lot of flow coming out of the pipe because it might be buried, but enough flow to keep the weapon.

Any other comments or questions?

SC **Steve B Corps** 36:26

No, I don't have any other comments. I'm sorry.

HS **Headrick, Hannah S** 36:26

OK, let's.

Okay, so let's get to the next sheet.

Yeah, this is Wetland WNN.

Yeah, it's a similar situation with the previous one, as far as we're just impacting the upper end of the other button.

Any questions or comments?

SC **Steve B Corps** 37:09

I don't have any comments, no.

HS **Headrick, Hannah S** 37:13

Anybody else?

Yes, but you have a picture of us, probably not as good as the.

Oh, yes, so that's the uh, the channel.

That's that's a little part of downstream.

That's looking back at the.

Right, so going to the next site.

The next wetland is Wetland W.L.L. and Wetland W.L.

which I think we're barely having an impact. We'll have some, I guess it could be a total take, but I was going to say temporary impact to that.

It's like the fill slope is barely touching the top part of it.

And then we're not impacting the weapon WML.

Do I have any questions or comments? Where is the discharge from that drainage pipe expected to go into well in WLLWL or just sheet flow?

All right, it's kind of hard to see the...

What else is jumping around?

Okay.

Alright, so it's kinda hard to see, but...

The trace of the contours.

Uh, probably coming right here.

And then get a picture of the uh, the weapon. OK, right around there.

So it's expected to go to WL.

Yes, so that pipe outlet will not go to WLL, that is correct. Okay.

Thank you.

Sort of. It looks like almost like a flat terrace there.

Is that what is that what I'm seeing where it kind of just a wide area? Yes, I think at the very end of the proposed flight, it appears to be kind of a slight flat, I guess you'd call it terrace. Yeah. We're in the process of doing surveys and gathering.

Hello, there's the font channel there. Let's see what the picture shows.

It's where it is, yeah, it needs a contour. Yeah, I think they, I think it's the where it took measure to describe it as like 3 foot base, half a foot deep, so it's probably like a watt as well.

Well, they could have been taking that information where we have those points, as opposed to for the for the pictures done, it just looks like, yeah, I mean.

Yep, nothing, nothing looks like shut off.

Anybody else? Any other questions?

HS **Headrick, Hannah S** 40:52

Okay, so the next sheet has our last slide.

So, you can see.

Not working at the same time here and there. Right. So you can see our proposed pipe outlet is probably about 50 feet upstream of stream SG. Let's look at the pictures.

It's not a hall I can say. I think there is.

Channel.

That's looking from on the road, see it's everyone.

Okay.

SC **Steve B Corps** 41:42

This is Steve. I think I'd refer you back to the to the PJD. I was looking at the drawings for that relatively quickly and it looks on the drawings that we included with the JD that there's a blue

channel that runs pretty close to the existing roadway down to Wetland WK. So I'm not sure.

Ah.

But you might want to check that.

HS **Headrick, Hannah S** 42:16

Yeah, I saw the same thing and that's the question I have. Why is the file that we received, the cat file, why does it not show the JS, like you said, coming out of the existing pipe underneath the road?

As opposed to ending downstream before we.

SC **Steve B Corps** 42:38

Yeah, I think based on my records, it runs all the way up to the existing.

Cross culvert there, but please check into that.

HS **Headrick, Hannah S** 43:05

Okay, any other comments or questions?

It's right, and it does go all the way up there. That draining system may need to be tweaked. The draining system may need to be tweaked, tweaked a bit, because you

would be then discharging directly into the street.

All right, so that storm water is already coming out of an existing 18-inch pipe. Yeah.

So basically that means everything on the other side of the road is coming. Okay.

Now we are directing some things that are...

The lower side of the road, so the bottom half of the road, but the majority of the water that's coming out of our new pipe is basically the same water that would have been coming out. OK.

We're not, we're not diverting anything. Got it.

SC Steve B Corps 44:07

This is Steve. Probably the only consideration may be what the outlet looks like as far as alignment or headwall or amount of rock might need to be.

Looked at with the existing channel that's in place, but...

That, I'll leave that up to the designers.

HS Headrick, Hannah S 44:29

Yeah, so even if it was JS, like if it was JS all the way up here, we could rip rap on the on the chat on the sides as opposed to in the channel itself.

Is that what you're alluding to?

SC Steve B Corps 44:44

Yeah, if that is what the the.

hydraulic evaluation and you know, you all know what's going to be coming out of there and

HS Headrick, Hannah S 44:57

Right.

SC Steve B Corps 44:58

It may may warrant less rock in channel or more, and and you know a lot of times I try to encourage.

outlets to kind of work with the receiving water so that you don't have flow directed at banks to cause scour erosion there. But

HS Headrick, Hannah S 45:22

Now, what about, in some cases, we've added like a junction box towards the end of the pipe, so you can make a transition from, in this case, it would be a steep pipe coming in, and then the outlet pipe from the junction box to the end of the pipe would be much flat, right?

SC Steve B Corps 45:30

Mhm.

Right, I see that quite a bit, and, and you know, if you're...

HS Headrick, Hannah S 45:45

No, we we only do that if, if like the core or someone else requested, because that's the extra junction boxes really isn't really needed from my box, but is that something that you would want?

Or just kind of depends.

SC Steve B Corps 46:04

Well...

HS Headrick, Hannah S 46:04

I'm just asking for regression, that's the...

SC Steve B Corps 46:07

You know, for this location, you know, you're taking fill right out to the end of the pipe. So, you know, as far as the core is concerned, it's all fill. It's going to happen in that segment of the jurisdictional stream. And if

If we have a situation where the discharge is coming out at a bad angle, for example, or as you indicated, it's coming from...

a slope that's going to really increase the velocity and going to cause a scour.

Definitely. We really would like to see that, you know, for

For smaller drainage, you know, curb and gutter, I really kind of fall back to your design.

Although we have corrected some of these once we get to construction, you know, they have plans out there and they're looking at it.

Is there putting it in there? They're seeing the end of this pipe coming into a...

Four or five-foot rock pad, and then right into the bank of the existing channel, and...

HS **Headrick, Hannah S** 47:27

So, the drop box or the junction box could do 2 things: one, it could it could come out with flat pipe, and the other thing is you could you could like we could slide the the pipe over a little bit, so then we could angle that that pipe that comes out the junction box and be more aligned to the JS.

SC **Steve B Corps** 47:27

I'd rather.

Yes.

And, and.

HS **Headrick, Hannah S** 47:48

So you wouldn't be coming to the side of the channel.

SC **Steve B Corps** 47:53

And personally, I like to see that because it's much easier to include that into the design now, as opposed to try to work with construction contractors to take care of issues while they're out there trying to build it. So, you know, I'll stop short of

HS **Headrick, Hannah S** 48:00

Right.

SC **Steve B Corps** 48:11

of the core saying that, well, this is a design that we recommend or would request. I find that it makes good sense for everybody to consider that in a situation like this.

HS **Headrick, Hannah S** 48:25

Right, so I'll just put in the notes that it was brought up, and then, and it will be considered.

Girls on.

SC **Steve B Corps** 48:33

Very good. Thank you.

HS **Headrick, Hannah S** 48:39

That is all the sites, the I don't know.

if this is really a place to bring it up, but one thing that we noticed on the file that we received that shows the weapons and the JS is that the JS lines are not correct as far as the way they walk. Like we've changed them up here like in JS.

So you can kind of see.

So, no, I don't see that from the text. OK, so you can read the text here, but in the file that we received, you cannot read the text. It is extremely small.

Yeah, we change it here, but that's just not our. That's just for us. When I say us, I'm talking about something inside, but somehow whoever the person that's supposed to be in charge of the final survey, that file. So is it in the Ms. file or is it in the? I'll have to double check, but usually the JS is.

Then, the, that's the final survey. OK, sorry, sorry, we'll need to figure out whoever is in control of it or responsible for it; they'll have to change it.

Is it it doesn't do any good for us to change it, because it's just, it's not just me.

Is it just the streams? As far as I tell, it's just the JS. I have to go back and look at the wetland, although the wetland, it did bring up that one wetland did not have any delineation, so I need to figure out at this stage where they have the JS mid.

No, not necessarily. It should have already been. Okay.

Okay, anybody have any comments or questions or turn it back over?

SC **Steve B Corps** 50:43

Well, this is Steve and I always have more to say. For those that have sat in a meetings with me, they always know I've got more to say. So agreed. The Corps obviously wants to be able to read plan sheets that we get and

HS **Headrick, Hannah S** 50:43

Great.

Okay.

SC **Steve B Corps** 51:03

And we want.

want there to be an accurate representation here of the jurisdictional features that we picked up during our preliminary JD. So please do that and make it so I can read

it. Otherwise, we'll be having this conversation later. And
You know, as far as how you go about that, I'll let you all work that out, but...
It might not hurt to run the entire project just to make sure that you're catching
everything with these features now may save some time down the road. So that's my
personal commentary. I did have a question about utilities. Are the utilities going to
be
the responsibility of the owners of those utilities to relocate them and do any
authorizations that may be required for relocation.
Or is it going to be something that DOT is going to be doing as part of the project?
Maybe you don't know that at this point. It's just, I always want to kind of know
what's going on with utilities because they're usually out before we all, you all get
busy building a road.
Maybe we don't know.

JL Johnston, Mark L 52:33

This is Mark with Division 8. Generally, my understanding is that the dry utilities will
be the responsibility of the utility companies and we'll coordinate with them and
that'll be done following access to the right of way. And the wet utilities will be
constructed as part of DOT's responsibility.

SC Steve B Corps 52:56

Okay, so that, thank you. So that a portion of your roadway authorization is also
going to include some utility work then.

JL Johnston, Mark L 53:07

Yes.

SC Steve B Corps 53:08

Okay.

So they'll probably be working off of your jurisdictional determination and we need
to have that squared up before they get going.

JL Johnston, Mark L 53:23

Yes, that would be my understanding.

HS Headrick, Hannah S 53:24

Sir.

If we know when we draw the, when we compare the permanent drawings, if we know where the utility is going, we can do the utility impacts, show those two.

SC Steve B Corps 53:26

Okay.

Okay, good.

And I think that's all that I had.

as far as questions or comments. I'll turn it back over to whoever's running it at this point. Thank you.

HS Headrick, Hannah S 53:56

I'll turn it back up.

And that's it.

Are there any more questions, comments, or concerns?

Like, once.

Went twice. OK, I guess that's the end of the meeting. With having a meeting after this, it will probably be tomorrow for the minutes and the reporting and all that get posted, but it'll.

Come to our version, and you're gonna handle the attendees, yeah, so.

Alright, thank you a lot.

SC Steve B Corps 54:46

All right, thank you very much. Bye-bye.

JL Johnston, Mark L 54:46

Thank you.

JM Jay McInnis 54:48

Thank you, Alan.

● **Headrick, Hannah S** stopped transcription