These are files DRN received as a result of our OPRA request to NJWSA on November 30, 2022 regarding the Jacobs Creek Pipeline Project.
NEW JERSEY WATER SUPPLY AUTHORITY
OPEN PUBLIC RECORDS ACT REQUEST FORM
770 Bear Tavern Rd, Ewing, NJ 08628
Tel: 609.530.3999
jshelley@njwsa.org
Julie Shelley

Important Notice
The last page of this form contains important information related to your rights concerning government records. Please read it carefully.

Requestor Information – Please Print

First Name: Anneke
MI: LW
Last Name: van Rossum
E-mail Address: anneke@delawareriverkeeper.org
Mailing Address: 925 Canal St, Suite 3701
City: Bristol
State: PA
Zip: 19007
Telephone: 215-369-1188 ext 106
Preferred Delivery: Fax

If you are requesting records containing personal information, please circle one: Under penalty of N.J.S.A. 2C:28-3, I certify that I HAVE / HAVE NOT been convicted of any indictable offense under the laws of New Jersey, any other state, or the United States.
Signature: Anneke van Rossum
Date: 11/30/2022

Payment Information

Maximum Authorization Cost: $ 0
Select Payment Method:
Cash
Check
Money Order

Fees:
Letter size pages - $0.05 per page
Legal size pages - $0.07 per page
Other materials (CD, DVD, etc) - actual cost of material
Delivery:
Delivery / postage fees additional depending upon delivery type.
Extras:
Special service charge dependent upon request.

Record Request Information: Please be as specific as possible in describing the records being requested. Also, please note that your preferred method of delivery will only be accommodated if the custodian has the technological means and the integrity of the records will not be jeopardized by such method of delivery.

The Delaware Riverkeeper Network requests electronic PDF copies of all documents submitted to the New Jersey Water Supply Authority by Sunoco regarding the Jacobs Creek Pipeline Project including construction schedules, construction dates, construction meetings, correspondences and emails, tree removal plans and monitoring and meeting minutes related to this project received by the New Jersey Water Supply Authority between November 7 and present.

AGENCY USE ONLY

Est. Document Cost
Est. Delivery Cost
Est. Extras Cost
Total Est. Cost
Deposit Amount
Estimated Balance
Deposit Date: N/A

AGENCY USE ONLY

Disposition Notes
Custodian: If any part of request cannot be delivered in seven business days, detail reasons here.

In Progress: Open
Denied: Closed
Filled: Closed
Partial: Closed

AGENCY USE ONLY

Tracking Information
Tracking #: 11/30/22
Rec'd Date: 12/18/22
Ready Date: 75
Total Pages

Final Cost
Total Deposit
Balance Due
Balance Paid

Records Provided
See attached

Custodian Signature: Anneke van Rossum
Due Date: 12/19/22
Paul

Looking at our progress of the pilot drill we are looking at it being near the Jacobs Creek mouth by Tuesday of next week November 22nd. Just let us know when you are planning on having Schnabel’s engineer out to the site. So we can let him know who to meet up with at the site. If you have any questions just give me a call to discuss.

Thank you
Edward J. Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020

**This e-mail is from outside STV**

Thanks Ed. This is what I was looking for at this point. Based on the progress, I think an update once a week until we get closer to the other side of the river will be sufficient.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

As of yesterday at end of shift the drill is approximately 450ft in. I have attached the profile sheet for your reference. Just let me know what frequency you want me to update you on. I know you want to know when we think we will be crossing into NJDEP parkland and cannon properties. At this point we do not yet have a consistent daily drill footage to project that date. We should be able to soon.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Thursday, November 10, 2022 9:20 AM
To: Kershner, Daniel A >; Weirsky, Edward J.  
Cc: Styles, Monica L <  Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Dan/Ed,

I assume this project has started. We had requested to get daily/weekly updates to be able to gauge when our consultant would come out and monitor the project. Can you update me on the status of the HDD?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Kershner, Daniel A <
Sent: Monday, October 31, 2022 2:20 PM
Cc: Styles, Monica L < Julie Shelley <jshelley@njwsa.org>
Subject: Re: Sunoco Jacobs Creek Pipeline Relocation Project

Paul/Ed,

Confirmed, HDD start planned for Wednesday Nov 2nd. I'll be on-site on Wednesday and can meet with Jeremy to introduce folks and review project specifics.

Thank you
Paul

Right now we are thinking it should be Wednesday or Thursday of this week. I am waiting for an update from the field now.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Monday, October 31, 2022 9:52 AM
To: Weirsky, Edward J. <>
Cc: Kershner, Daniel A <>
Styles, Monica L <>
Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Ed,

Is there a start date for the HDD yet?

Thanks.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Paul Harenberg
Sent: Friday, October 21, 2022 11:54 AM
To: Weirsky, Edward J. <>
Cc: Styles, Monica L <>
Julie Shelley <jshelley@njwsa.org>
Sunoco Jacobs Creek Pipeline Relocation Project

Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project
Ed,

Thanks for the update.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

---

From: Weirsky, Edward J. <weirsky.edward.j@sunoco.com>
Sent: Friday, October 21, 2022 11:42 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <daniel.kershner@njwsa.org>
Styles, Monica L <monica.styles@njwsa.org>
Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Ed,

That is fine we can coordinate with you once the drill is started. No the HDD did not start today. They are still cleaning out the casing pipe. Once we determine the start date for the HDD I will let you know. Let me know if you need anything else from us.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

---

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Friday, October 21, 2022 11:17 AM
To: Weirsky, Edward J. <weirsky.edward.j@sunoco.com>
Cc: Kershner, Daniel A <daniel.kershner@njwsa.org>
Styles, Monica L <monica.styles@njwsa.org>
Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Ed,

We would want to be on site for a day once the HDD pilot hole is under the Delaware River and into rock to observe drilling and to compare to when the bore crosses under the canal. Then, we would want to be on site when the bore crosses under the canal, and then also when the reamer crosses back under the canal.

It would also be good to have any daily/weekly reports they are preparing for us to refer to.

Did the drilling start today? Is it possible to have daily/weekly updates/reports so we can forecast our visits to the site?
Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Weirsky, Edward J. <Edward.J.Weirsky Jr @STVInc.com>
Sent: Thursday, October 20, 2022 11:43 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <Daniel.A.Kershner@STVInc.com>
Styles, Monica L <Monica.L.Styles@STVInc.com>
Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Per our phone conversation yesterday afternoon I have attached the only schedule that I have right now. This schedule can be used for the duration of each aspect of the drill once the drill has started. The schedule will be updated and shared with you once the HDD starts. I have also included the contact list for the field work. The list has the name, company names, position of the person, contact phone numbers and email address. Also you requested the cross streets for the work site on the Pennsylvania side of the project they are River Road and Oakdale Ave. If you need anything else just give me a call or email me.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile 609-530-0020

From: Weirsky, Edward J.
Sent: Wednesday, October 19, 2022 10:47 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: KERSHNER, DANIEL A <Daniel.A.Kershner@STVInc.com>
jshelley@njwsa.org
Subject: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Sunoco is hoping to start the HDD for Jacobs Creek Pipeline Relocation Project on Friday of this week. They are currently finishing the installation of the casing pipe. I wanted to give you as much notice as possible so you can coordinate with your outside engineering firm Schnabel. I will give you a call on Thursday afternoon to let you know if they have completed the casing installation and plan to start drilling on Friday. Please give me a call to discuss this if you have any questions.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work  609-530-0020
Mobile  

Please consider the environment before printing this e-mail.

Redesigned and rebuilt: visit our new website at www.stvinc.com

[ ]

If the reader of this message is not the intended recipient, you are informed that any dissemination, copying or disclosure of the material contained herein, in whole or in part, is strictly prohibited. If you have received this transmission in error, please notify STV and purge this message.

Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.
Paul

I did not get one for yesterday yet. I will send it once I get it. I just wanted to let you know since next week is Thanksgiving week.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

Ed,

Was there a plot of the status to go with the email below?

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

Paul

Looking at our progress of the pilot drill we are looking at it being near the Jacobs Creek mouth by Tuesday of next week November 22nd. Just let us know when you are planning on having Schnabel’s engineer out to the site. So we can let him know who to meet up with at the site. If you have any questions just give me a call to discuss.
Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Thursday, November 10, 2022 10:34 AM
To: Weirsky, Edward J. <Edward.Weirsky@stv.com>
Cc: Styles, Monica L <Monica.Style@stv.com>; Shelley, Julie <jshelley@njwsa.org>; Kershner, Daniel A <Daniel.Kershner@stv.com>

**This e-mail is from outside STV**

Thanks Ed. This is what I was looking for at this point. Based on the progress, I think an update once a week until we get closer to the other side of the river will be sufficient.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

---

From: Weirsky, Edward J. <Edward.Weirsky@stv.com>
Sent: Thursday, November 10, 2022 9:49 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Styles, Monica L <Monica.Style@stv.com>; Shelley, Julie <jshelley@njwsa.org>; Kershner, Daniel A <Daniel.Kershner@stv.com>
Subject: RE: Sunoco Jacobs Creek

As of yesterday at end of shift the drill is approximately 450ft in. I have attached the profile sheet for your reference. Just let me know what frequency you want me to update you on. I know you want to know when we think we will be crossing into NJDEP parkland and cannel properties. At this point we do not yet have a consistent daily drill footage to project that date. We should be able to soon.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Dan/Ed,

I assume this project has started. We had requested to get daily/weekly updates to be able to gauge when our consultant would come out and monitor the project. Can you update me on the status of the HDD?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

---

Paul/Ed,

Confirmed, HDD start planned for Wednesday Nov 2nd. I'll be on-site on Wednesday and can meet with Jeremy to introduce folks and review project specifics.

Thank you

Dan

---

Paul

Right now we are thinking it should be Wednesday or Thursday of this week. I am waiting for an update from the field now.

Thank you

Edward J Weirsky Jr (Ed)
STV Inc
Ed,

Is there a start date for the HDD yet?

Thanks.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

Ed,

Thanks for the update.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority
Paul

That is fine we can coordinate with you once the drill is started. No the HDD did not start today. They are still cleaning out the casing pipe. Once we determine the start date for the HDD I will let you know. Let me know if you need anything else from us.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Friday, October 21, 2022 11:17 AM
To: Weirsky, Edward J. <[redacted]>
Cc: Kershner, Daniel A <[redacted]>
Styles, Monica L <[redacted]>
Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Ed,

We would want to be on site for a day once the HDD pilot hole is under the Delaware River and into rock to observe drilling and to compare to when the bore crosses under the canal. Then, we would want to be on site when the bore crosses under the canal, and then also when the reamer crosses back under the canal.

It would also be good to have any daily/weekly reports they are preparing for us to refer to.

Did the drilling start today? Is it possible to have daily/weekly updates/reports so we can forecast our visits to the site?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Weirsky, Edward J. <[redacted]>
Sent: Thursday, October 20, 2022 11:43 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <[redacted]>
Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul
Per our phone conversation yesterday afternoon I have attached the only schedule that I have right now. This schedule can be used for the duration of each aspect of the drill once the drill has started. The schedule will be updated and shared with you once the HDD starts. I have also included the contact list for the field work. The list has the name, company names, position of the person, contact phone numbers and email address. Also you requested the cross streets for the work site on the Pennsylvania side of the project they are River Road and Oakdale Ave. If you need anything else just give me a call or email me.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

---

From: Weirsky, Edward J.
Sent: Wednesday, October 19, 2022 10:47 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: KERSHNER, DANIEL A <[redacted]>
      monica. styles
      (jshelley@njwsa.org)
Subject: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Sunoco is hoping to start the HDD for Jacobs Creek Pipeline Relocation Project on Friday of this week. They are currently finishing the installation of the casing pipe. I wanted to give you as much notice as possible so you can coordinate with your outside engineering firm Schnabel. I will give you a call on Thursday afternoon to let you know if they have completed the casing installation and plan to start drilling on Friday. Please give me a call to discuss this if you have any questions.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile
er of this message is not the intended recipient, you are informed that any dissemination, copying or disclosure of the material contained herein, in whole or in part, is strictly prohibited. If you have received this transmission in error, please notify STV and purge this message.

Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.
Paul

No they will not be working the Friday after Thanksgiving.

Thanks
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile [REDACTED]

Ok. Thanks for that. I will pass info along to Schnabel and determine when we will head out to the project.

Will they be working the Friday after Thanksgiving?

Thanks

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority
Ed,

Was there a plot of the status to go with the email below?

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

Paul

Looking at our progress of the pilot drill we are looking at it being near the Jacobs Creek mouth by Tuesday of next week November 22\textsuperscript{nd}. Just let us know when you are planning on having Schnabel’s engineer out to the site. So we can let him know who to meet up with at the site. If you have any questions just give me a call to discuss.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile
Thanks Ed. This is what I was looking for at this point. Based on the progress, I think an update once a week until we get closer to the other side of the river will be sufficient.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

---

As of yesterday at end of shift the drill is approximately 450ft in. I have attached the profile sheet for your reference. Just let me know what frequency you want me to update you on. I know you want to know when we think we will be crossing into NJDEP parkland and canal properties. At this point we do not yet have a consistent daily drill footage to project that date. We should be able to soon.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

---

Dan/Ed,

I assume this project has started. We had requested to get daily/weekly updates to be able to gauge when our consultant would come out and monitor the project. Can you update me on the status of the HDD?
Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Kershner, Daniel A <dkershner@njwsa.org>
Sent: Monday, October 31, 2022 11:29 AM
To: Weirsky, Edward J. <ewirsky@njwsa.org>
Cc: Styles, Monica L <mstyles@njwsa.org>
Subject: Re: Sunoco Jacobs Creek Pipeline Relocation Project

Paul/Ed,
Confirmed, HDD start planned for Wednesday Nov 2nd. I'll be on-site on Wednesday and can meet with Jeremy to introduce folks and review project specifics.

Thank you
Dan

Get Outlook for iOS

From: Weirsky, Edward J. <ewirsky@njwsa.org>
Sent: Monday, October 31, 2022 10:18:17 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <dkershner@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul
Right now we are thinking it should be Wednesday or Thursday of this week. I am waiting for an update from the field now.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Monday, October 31, 2022 9:52 AM
To: Weirsky, Edward J. <ewirsky@njwsa.org>
Cc: Kershner, Daniel A <dkershner@njwsa.org>
Styles, Monica L <mstyles@njwsa.org>
Julie <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**
Ed,

Is there a start date for the HDD yet?

Thanks.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Paul Harenberg
Sent: Friday, October 21, 2022 11:54 AM
To: Weirsky, Edward J. <weirsky.edward.j@njwsa.org>
Cc: Kershner, Daniel A <kershner.daniel@njwsa.org>
Styles, Monica L <styles.monica@njwsa.org>
Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Ed,

Thanks for the update.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Weirsky, Edward J. <weirsky.edward.j@njwsa.org>
Sent: Friday, October 21, 2022 11:42 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <kershner.daniel@njwsa.org>
Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

That is fine we can coordinate with you once the drill is started. No the HDD did not start today. They are still cleaning out the casing pipe. Once we determine the start date for the HDD I will let you know. Let me know if you need anything else from us.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile
Ed,

We would want to be on site for a day once the HDD pilot hole is under the Delaware River and into rock to observe drilling and to compare to when the bore crosses under the canal. Then, we would want to be on site when the bore crosses under the canal, and then also when the reamer crosses back under the canal.

It would also be good to have any daily/weekly reports they are preparing for us to refer to.

Did the drilling start today? Is it possible to have daily/weekly updates/reports so we can forecast our visits to the site?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority
From: Weirsky, Edward J.
Sent: Wednesday, October 19, 2022 10:47 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: KERSHNER, DANIEL A <monica.styles@njwsa.org>
       KERSHNER, DANIEL A <monica.styles@njwsa.org>
       JULIE SHELLY (jshelley@njwsa.org)
       JSHELLEY@NJWSA.ORG
Subject: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Sunoco is hoping to start the HDD for Jacobs Creek Pipeline Relocation Project on Friday of this week. They are currently finishing the installation of the casing pipe. I wanted to give you as much notice as possible so you can coordinate with your outside engineering firm Schnabel. I will give you a call on Thursday afternoon to let you know if they have completed the casing installation and plan to start drilling on Friday. Please give me a call to discuss this if you have any questions.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

Please consider the environment before printing this e-mail.

Redesigned and rebuilt: visit our new website at www.stvinc.com
Paul

I am on conference calls until about 11:45. I will give you a quick call then and we can work out a time to talk with Schnabel. I will also get you the plot of the drill.

Thanks
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

--

Ed,

Any update on the plot of the drill?

Also are you available this morning if I can the folks from Schnabel on the phone so we can discuss anything prior to their site visits?

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

--
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Looking at our progress of the pilot drill we are looking at it being near the Jacobs Creek mouth by Tuesday of next week November 22nd. Just let us know when you are planning on having Schnabel’s engineer out to the site. So we can let him know who to meet up with at the site. If you have any questions just give me a call to discuss.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Thursday, November 10, 2022 10:34 AM
To: Weirsky, Edward J. <Edward.J.Weirsky@njwsa.org>
Cc: Styles, Monica L <Monica.L.Styles@njwsa.org>; Julie Shelley <jshelley@njwsa.org>; Kershner, Daniel A <Daniel.A.Kershner@njwsa.org>

**This e-mail is from outside STV**

Thanks Ed. This is what I was looking for at this point. Based on the progress, I think an update once a week until we get closer to the other side of the river will be sufficient.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Weirsky, Edward J. <Edward.J.Weirsky@njwsa.org>
Sent: Thursday, November 10, 2022 9:49 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Styles, Monica L <Monica.L.Styles@njwsa.org>; Julie Shelley <jshelley@njwsa.org>; Kershner, Daniel A <Daniel.A.Kershner@njwsa.org>

Subject: RE: Sunoco Jacobs Creek

As of yesterday at end of shift the drill is approximately 450ft in. I have attached the profile sheet for your reference. Just let me know what frequency you want me to update you on. I know you want to know when we think we will be crossing into NJDEP parkland and canal properties. At this point we do not yet have a consistent daily drill footage to project that date. We should be able to soon.

Thank you
Edward J Weirsky Jr (Ed)
Dan/Ed,

I assume this project has started. We had requested to get daily/weekly updates to be able to gauge when our consultant would come out and monitor the project. Can you update me on the status of the HDD?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

Paul/Ed,

Confirmed, HDD start planned for Wednesday Nov 2nd. I'll be on-site on Wednesday and can meet with Jeremy to introduce folks and review project specifics.

Thank you

Dan
Right now we are thinking it should be Wednesday or Thursday of this week. I am waiting for an update from the field now.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work  609-530-0020
Mobile

---

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Monday, October 31, 2022 9:52 AM
To: Weirsky, Edward J.
Cc: Kershner, Daniel A; Styles, Monica L; Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Ed,

Is there a start date for the HDD yet?

Thanks.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

---

From: Paul Harenberg
Sent: Friday, October 21, 2022 11:54 AM
To: Weirsky, Edward J.
Cc: Kershner, Daniel A; Styles, Monica L; Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Ed,

Thanks for the update.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority
From: Weirsky, Edward J. <weirsky.lee@stv.com>
Sent: Friday, October 21, 2022 11:42 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <dkershner@stv.com> Styles, Monica L <mstyles@stv.com>
Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

That is fine we can coordinate with you once the drill is started. No the HDD did not start today. They are still cleaning out the casing pipe. Once we determine the start date for the HDD I will let you know. Let me know if you need anything else from us.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

-----

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Friday, October 21, 2022 11:17 AM
To: Weirsky, Edward J. <weirsky.lee@stv.com>
Cc: Kershner, Daniel A <dkershner@stv.com> Styles, Monica L <mstyles@stv.com>
Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Ed,

We would want to be on site for a day once the HDD pilot hole is under the Delaware River and into rock to observe drilling and to compare to when the bore crosses under the canal. Then, we would want to be on site when the bore crosses under the canal, and then also when the reamer crosses back under the canal.

It would also be good to have any daily/weekly reports they are preparing for us to refer to.

Did the drilling start today? Is it possible to have daily/weekly updates/reports so we can forecast our visits to the site?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

-----
From: Weirsky, Edward J.  
Sent: Wednesday, October 19, 2022 10:47 AM  
To: Paul Harenberg <PHarenberg@njwsa.org>  
Cc: Kershner, Daniel A <[redacted]@njwsa.org>  
Styles, Monica L <[redacted]@njwsa.org>  
Julie Shelley <jshelley@njwsa.org>  
Subject: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Sunoco is hoping to start the HDD for Jacobs Creek Pipeline Relocation Project on Friday of this week. They are currently finishing the installation of the casing pipe. I wanted to give you as much notice as possible so you can coordinate with your outside engineering firm Schnabel. I will give you a call on Thursday afternoon to let you know if they have completed the casing installation and plan to start drilling on Friday. Please give me a call to discuss this if you have any questions.

Thank you  
Edward J Weirsky Jr (Ed)  
STV Inc  
Sr. Project Manager  
Work 609-530-0020  
Mobile [redacted]

Please consider the environment before printing this e-mail.

Redesigned and rebuilt: visit our new website at www.stvinc.com
er of this message is not the intended recipient, you are informed that any dissemination, copying or disclosure of the material contained herein, in whole or in part, is strictly prohibited. If you have received this transmission in error, please notify STV and purge this message.

Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.
From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Friday, November 18, 2022 9:49 AM
To: Weirsky, Edward J. <>
Cc: Styles, Monica L <>; Julie Shelley <jshelley@njwsa.org>; Kershner, Daniel A

**This e-mail is from outside STV**

Ed,

Any update on the plot of the drill?

Also are you available this morning if I can the folks from Schnabel on the phone so we can discuss anything prior to their site visits?

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority
INNROCK LLC. endeavors to ensure the accuracy and reliability of the information provided herein, but does not guarantee its accuracy or reliability and accepts no liability (whether in tort or contract or otherwise) for any loss or damage arising from inaccuracies or omissions.
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Looking at our progress of the pilot drill we are looking at it being near the Jacobs Creek mouth by Tuesday of next week November 22nd. Just let us know when you are planning on having Schnabel’s engineer out to the site. So we can let him know who to meet up with at the site. If you have any questions just give me a call to discuss.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Thursday, November 10, 2022 10:34 AM
To: Weirsky, Edward J. <Edward.J.Weirsky@njwsa.org>
Cc: Styles, Monica L <mstyles@njwsa.org>; Kershner, Daniel A <DKershner@njwsa.org>; Julie Shelley <jshelley@njwsa.org>

Thanks Ed. This is what I was looking for at this point. Based on the progress, I think an update once a week until we get closer to the other side of the river will be sufficient.

Regards,
Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Weirsky, Edward J.<Edward.J.Weirsky@njwsa.org>
Sent: Thursday, November 10, 2022 9:49 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Styles, Monica L <mstyles@njwsa.org>; Julie Shelley <jshelley@njwsa.org>; Kershner, Daniel A <DKershner@njwsa.org>

As of yesterday at end of shift the drill is approximately 450ft in. I have attached the profile sheet for your reference. Just let me know what frequency you want me to update you on. I know you want to know when we think we will be crossing into NJDEP parkland and cannel properties. At this point we do not yet have a consistent daily drill footage to project that date. We should be able to soon.

Thank you
Edward J Weirsky Jr (Ed)
**This e-mail is from outside STV**

Dan/Ed,

I assume this project has started. We had requested to get daily/weekly updates to be able to gauge when our consultant would come out and monitor the project. Can you update me on the status of the HDD?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

Paul/Ed,

Confirmed, HDD start planned for Wednesday Nov 2nd. I'll be on-site on Wednesday and can meet with Jeremy to introduce folks and review project specifics.

Thank you
Dan

Get Outlook for iOS
Right now we are thinking it should be Wednesday or Thursday of this week. I am waiting for an update from the field now.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work  609-530-0020
Mobile

From: Paul Harenberg <PHarenberg@njwsa.org>  
Sent: Monday, October 31, 2022 9:52 AM  
To: Weirsky, Edward J.  
Cc: Kershner, Daniel A  
Styles, Monica L  
Julie Shelley <jshelley@njwsa.org>  
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Ed,

Is there a start date for the HDD yet?

Thanks.

Regards,

Paul Harenberg, PE  
Project Engineer  
New Jersey Water Supply Authority

From: Paul Harenberg  
Sent: Friday, October 21, 2022 11:54 AM  
To: Weirsky, Edward J.  
Cc: Kershner, Daniel A  
styles, Monica L  
julie shelley@njwsa.org  
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Ed,

Thanks for the update.

Regards,

Paul Harenberg, PE  
Project Engineer  
New Jersey Water Supply Authority
From: Weirsky, Edward J. <edweirsky@njwsa.org>
Sent: Friday, October 21, 2022 11:42 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <dkershner@njwsa.org>
     Styles, Monica L <mstyles@njwsa.org>
     Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

That is fine we can coordinate with you once the drill is started. No the HDD did not start today. They are still cleaning out the casing pipe. Once we determine the start date for the HDD I will let you know. Let me know if you need anything else from us.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Friday, October 21, 2022 11:17 AM
To: Weirsky, Edward J. <edweirsky@njwsa.org>
Cc: Kershner, Daniel A <dkershner@njwsa.org>
     Styles, Monica L <mstyles@njwsa.org>
     Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Ed,

We would want to be on site for a day once the HDD pilot hole is under the Delaware River and into rock to observe drilling and to compare to when the bore crosses under the canal. Then, we would want to be on site when the bore crosses under the canal, and then also when the reamer crosses back under the canal.

It would also be good to have any daily/weekly reports they are preparing for us to refer to.

Did the drilling start today? Is it possible to have daily/weekly updates/reports so we can forecast our visits to the site?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Weirsky, Edward J. <edweirsky@njwsa.org>
Sent: Thursday, October 20, 2022 11:43 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <kershner@njwsa.org>
    Styles, Monica L <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Per our phone conversation yesterday afternoon I have attached the only schedule that I have right now. This schedule can be used for the duration of each aspect of the drill once the drill has started. The schedule will be updated and shared with you once the HDD starts. I have also included the contact list for the field work. The list has the name, company names, position of the person, contact phone numbers and email address. Also you requested the cross streets for the work site on the Pennsylvania side of the project they are River Road and Oakdale Ave. If you need anything else just give me a call or email me.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

From: Weirsky, Edward J.
Sent: Wednesday, October 19, 2022 10:47 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: KERSHNER, DANIEL A <kershner@njwsa.org>
    Styles, Monica L <jshelley@njwsa.org>
Subject: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Sunoco is hoping to start the HDD for Jacobs Creek Pipeline Relocation Project on Friday of this week. They are currently finishing the installation of the casing pipe. I wanted to give you as much notice as possible so you can coordinate with your outside engineering firm Schnabel. I will give you a call on Thursday afternoon to let you know if they have completed the casing installation and plan to start drilling on Friday. Please give me a call to discuss this if you have any questions.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

Please consider the environment before printing this e-mail.
er of this message is not the intended recipient, you are informed that any dissemination, copying or disclosure of the material contained herein, in whole or in part, is strictly prohibited. If you have received this transmission in error, please notify STV and purge this message.

Private and confidential as detailed [here](#). If you cannot access hyperlink, please e-mail sender.
From: Weirsky, Edward J. <Edward.J.Weirsky@STV.com>
Sent: Friday, November 18, 2022 1:47 PM
To: Paul Harenberg; jbrown
Cc: Kershner, Daniel A
Subject: Requested Information for Jacobs Creek Pipeline Relocation

Paul, Jeremy

I have attached the last three days Of the HDD Crew Drill Logs, Contact list with emails and cell phone numbers for the project. Also the closest cross street intersection is River Road and Oakdale Ave, Upper Makefield Township PA. Let me know if you have any other questions.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work  609-530-0020
Mobile

Please consider the environment before printing this e-mail.

Redesigned and rebuilt: visit our new website at www.stvinc.com

The information contained in this electronic message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are informed that any dissemination, copying or disclosure of the material contained herein, in whole or in part, is strictly prohibited. If you have received this transmission in error, please notify STV and purge this message.
## 2022 Jacobs Creek Relocation -- Construction Contact List

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Position</th>
<th>Phone #</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scott Newcomer</td>
<td>Otis</td>
<td>Superintendent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chris Hollister</td>
<td>Otis</td>
<td>Foreman</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earl Travis</td>
<td>Aaron Enterprises</td>
<td>Superintendent</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aaron Enterprises</td>
<td>Foreman</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Josh Prosceno</td>
<td>Tetra Tech</td>
<td>Chief Environmental Inspector</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bobby Pounds</td>
<td>NEFS</td>
<td>Inspection/Welding</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jeffrey Sweeting</td>
<td>NEFS</td>
<td>Inspection/Coating</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### On Site Construction Personnel

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Position</th>
<th>Phone #</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Siebert</td>
<td>Aaron Enterprises</td>
<td>Project Manager</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scott Newcomer</td>
<td>Otis Eastern</td>
<td>Project Manager</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Contractor Management

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Position</th>
<th>Phone #</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dan Kershner</td>
<td>ET - Sunoco LP</td>
<td>Project Manager</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joseph Massaro</td>
<td>ET - Sunoco LP</td>
<td>Public Affairs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monica Styles</td>
<td>ET - Sunoco LP</td>
<td>Director-E&amp;C Environmental</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wassim Saad</td>
<td>ET - Sunoco LP</td>
<td>ROW</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Energy Transfer Company Support

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Position</th>
<th>Phone #</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed Weirsky</td>
<td>STV Inc</td>
<td>Project Manger</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jim McGinley</td>
<td>STV Inc</td>
<td>Environmental Specialist</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark Struss</td>
<td>STV Inc</td>
<td>Engineer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Contract Engineering/Permitting Support
Daily Report

Date: 11/15/2022  Job#: 2134046.
Client: OTIS MINNESOTA SERVICES
Project: ET Jacobs Creek Project HDD

Crew Member Hours

<table>
<thead>
<tr>
<th>Crew Member</th>
<th>Class</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROVE, JOSEPH</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>GILBERT, JOSHUA</td>
<td>30LB</td>
<td>10</td>
</tr>
<tr>
<td>MCGOON, HAROLD</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>MASSEY, WILLIAM</td>
<td>30LB</td>
<td>10</td>
</tr>
<tr>
<td>WEBER, TERRENCE</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>RETKOFSKY, DAVID</td>
<td>O1</td>
<td>10</td>
</tr>
<tr>
<td>BECK, JAMES</td>
<td>O3</td>
<td>10</td>
</tr>
<tr>
<td>CELINS, KARLIS</td>
<td>30LB</td>
<td>10</td>
</tr>
</tbody>
</table>

Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Op Hrs</th>
<th>Idle Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>DODGE CREW CAB</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>STORAGE TRAILER (53’)</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>STORAGE TRAILER</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>EXCAVATOR 328 D LCR HYD</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>WELDER 400 AMP</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>LIGHT PLANT</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>LIGHT PLANT</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>DD440 DIRECTIONAL DRILL</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>MUD CLEANER - MCD 1000</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>TT680 MUD PUMP</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>godwin pump</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>936 Leibherr Zero Turn</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>25kw generator</td>
<td>10</td>
<td>0</td>
</tr>
</tbody>
</table>

Job Tasks

Item                      | Temp | Weather | Comment                                                                                     
--------------------------|------|---------|--------------------------------------------------------------------------------------------|
Jacob creek               | 45   | Partly | 7:00 JSA. 7:30 OIL, FUEL UP & FIRE UP EQUIPMENT. 8:00 STARTED SHAVING AGAIN ON JT 24. WE ARE SHOWING SOME PRESSURE WITH 5FT LEFT ON JT 24. SLOWLY FOLLOWED THAT DOWN, ADDED A JT(25). CONTINUED TO SHAVE DOWN JT 25 AND BY 1:00 WE FEEL LIKE WE SUCCESSFULLY STARTED A NEW HOLE. DRILLED 2 MORE JTS BUT WILL NOT START COUNTING FOOTAGE TILL WE GET BACK TO 1072.66FT. 5:00 END OF DAY |

Crew Notes:  

PM Notes:
Client: OTIS MINNESOTA SERVICES  
Project: ET Jacobs Creek Project HDD  
Date: 11/16/2022  
Job#: 2134046.  

**Equipment**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Op Hrs</th>
<th>Idle Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>DODGE CREW CAB</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>STORAGE TRAILER</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>EXCAVATOR 328 D LCR HYD</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>WELDER 400 AMP</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>LIGHT PLANT</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>LIGHT PLANT</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>DD440 DIRECTIONAL DRILL</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>MUD CLEANER - MCD 1000</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>TT680 MUD PUMP</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>godwin pump</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>936 Leibherr Zero Turn</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>25kw generator</td>
<td>10</td>
<td>0</td>
</tr>
</tbody>
</table>

**Crew Member Hours**

<table>
<thead>
<tr>
<th>Crew Member</th>
<th>Class</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROVE, JOSEPH</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>GILBERT, JOSHUA</td>
<td>30LB</td>
<td>10</td>
</tr>
<tr>
<td>MCGOON, HAROLD</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>MASSEY, WILLIAM</td>
<td>30LB</td>
<td>10</td>
</tr>
<tr>
<td>WEBER, TERENCE</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>RETKOFSKY, DAVID</td>
<td>O1</td>
<td>10</td>
</tr>
<tr>
<td>BECK, JAMES</td>
<td>O3</td>
<td>10</td>
</tr>
<tr>
<td>CELINS, KARLIS</td>
<td>30LB</td>
<td></td>
</tr>
</tbody>
</table>

**Job Tasks**

**Crew Notes:**

**Item**  
JACOB CREEK  

**Temp**  
7:00 JSA 7:30 STARTED PUMPING WATER OFF JOB SITE. HALF THE SITE HAD 8-10 INCHES OF WATER. HAD 3 2" PUMPS PUMPING WATER TILL 11:00. AFTER PUMPING WATER WE SEEMED TO HAVE A GENERATOR PROBLEM THEN OUR TOOL SEEMED OFF. TRIPPED A 2 JTS BACK JUST TO CHECK. STARTED DRILLING BY12. DRILLED 95.15FT. WE ARE A TOTAL OF 978.31FT OUT. 5:00 END OF DAY
Client: OTIS MINNESOTA SERVICES  
Project: ET Jacobs Creek Project HDD  
Date: 11/17/2022  
Job#: 2134046.

### Crew Member Hours

<table>
<thead>
<tr>
<th>Crew Member</th>
<th>Class</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROVE, JOSEPH</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>GILBERT, JOSHUA</td>
<td>30LB</td>
<td>10</td>
</tr>
<tr>
<td>MCGOON, HAROLD</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>MASSEY, WILLIAM</td>
<td>30LB</td>
<td>10</td>
</tr>
<tr>
<td>WEBER, TERRENCE</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>RETKOFSKY, DAVID</td>
<td>O1</td>
<td>10</td>
</tr>
<tr>
<td>BECK, JAMES</td>
<td>O3</td>
<td>10</td>
</tr>
<tr>
<td>CELINS, KARLIS</td>
<td>30LB</td>
<td></td>
</tr>
</tbody>
</table>

### Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Op Hrs</th>
<th>Idle Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>DODGE CREW CAB</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>STORAGE TRAILER</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>EXCAVATOR 328 D LCR HYD</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>WELDER 400 AMP</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>LIGHT PLANT</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>LIGHT PLANT</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>DD440 DIRECTIONAL DRILL</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>MUD CLEANER - MCD 1000</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>TT680 MUD PUMP</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>godwin pump</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>936 Leihberr Zero Turn</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>25kw generator</td>
<td>10</td>
<td>0</td>
</tr>
</tbody>
</table>

### Job Tasks

**Item**

<table>
<thead>
<tr>
<th>Temp</th>
<th>Weather</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Cloudy</td>
<td>7:00 JSA 7:30 FUEL UP AND FIRE UP. 8:00 DUMP TRUCK ARRIVED AND HAULED OUT 2 LOADS OF CUTTINGS. STARTED DRILLING AND DRILLED 189FT BY 4:20. THEN WE BLEW DOWN OUR LINES AND WINTERIZED OUR EQUIPMENT.5:00 END OF DAY</td>
</tr>
</tbody>
</table>

PM Notes:
Per our phone conversation this morning Sunoco’s plans have not changed or been altered. Once the new relocated pipeline being installed via HDD is connect to Sunoco’s pipeline on the PA side and the NJ side the old abandon pipeline section will be remove. The section of pipeline that will be removed is the section of pipeline exposed on the New Jersey side of the project starting just upstream of the culvert pipe that crosses under Route 29 and the D&R Canal through it towards the confluence of Jacobs Creek and the Delaware River. The total of approximately 316’ of the exposed old pipeline will be removed from Jacobs Creek stream bed.

At this time we are only working with the State Parks Department to get permission to install a temporary vibration monitor on the State Park Land as we are required by NJSHPO agreement. This request has nothing to do with the exposed pipeline removal which will occur at the end of Sunoco’s project. If anyone would like or need to discuss this with me please let me know or give me a call. I hope this has cleared up any confusion with our request to the State Park Land for access.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

**This e-mail is from outside STV**

Mr. Saad,

I have been working with Amy and Adria’s office on property issues related to this pipeline work. We (NJ Water Supply Authority) administer the property document granting Sunoco permission to operate its pipeline on/under D&R Canal State property. I think it’s possible
there’s a misunderstanding about the abandonment aspect of the pipe project and wanted to clarify a few points to bring us onto the same page.

Attached is the lease (not easement) that Sunoco presently holds for the pipeline, which crosses the D&R Canal in three different locations. As we know, the pipeline crossing at Jacob’s Creek is being relocated into the configuration shown in this lease on Exhibit A. With the execution of this document, Sunoco gave up the rights to have a pipeline in the former location with the understanding that the pipe would be grouted and left in place except where it is exposed in the streambed of the Jacobs Creek on State property. There is no approved option for Sunoco to abandon the exposed segment of pipe in place on State property; it must be removed. There is no “existing easement”.

Per multiple conversations and document submittals, we and DEP have been advised by Ed Weirsky that the exposed pipe section would be removed. Several documents to that effect are attached. Any construction work occurring on State Property (including the vibration monitor installation and access along the towpath or on other parts of State property) must be authorized separately from the lease, by Adria’s office. The lease does not grant permission for those activities.

If Sunoco no longer intends to remove the abandoned pipe on State property, we need to discuss the change in plans immediately.

I hope this clarifies the situation. Please don’t hesitate to reach out with any questions or concerns, and if you do so by email, please reply to all.

Best regards,

Julie Shelley
Manager, Contracts & Risk Management
OPRA Records Custodian
New Jersey Water Supply Authority
1851 Route 31/PO Box 5196
Clinton, NJ 08809
908-638-6121 x260
www.njwsa.org

Please note that I telecommute on Tuesdays. Email is the best way to reach me.

Hi Amy,
The monitoring device has to remain until the completion of the drill which we anticipate to be the end of this year.

The existing line section cannot be removed, we will grouted and leave in place within the existing easement.

Wassim A. Saad  
Senior Land Representative

---

This email communication and any files transmitted with it may contain confidential and or proprietary information and is provided for the use of the intended recipient only. Any review, retransmission or dissemination of this information by anyone other than the intended recipient is prohibited. If you receive this email in error, please contact the sender and delete this communication and any copies immediately. Thank you.

---

Please consider the environment before printing this e-mail.

Redesigned and rebuilt: visit our new website at www.stvinc.com

The information contained in this electronic message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are informed that any dissemination, copying or disclosure of the material contained herein, in whole or in part, is strictly prohibited. If you have received this transmission in error, please notify STV and purge this message.
Paul/Jeremy,

I apologize for no update prior to Thanksgiving. There was really zero forward progress. Attached is the last updated data sheet and profile for forward progress. Ed W. may have already sent this to you. Essentially there has been no forward progress since 11.18.22. They were changing out the motor last week and one of the two they put on and tripped in with ended up being a dud. They had to trip back out and put on the second motor. They are attempting to get the motor to bite up and get back closer to the designed depth under the river.

Today they are planning to trip in with the second motor, planning to reach bottom at about 1,260’ in by this afternoon and possibly cut 1-2 rods of additional footage today.

Aarons estimates being at the canal property by this Thursday, so meeting Wednesday to get introduced to Earl would be the best plan. We also have a DEP meeting/inspection on Thursday so I may slip over to them once getting the assigned Schnabel engineer set up.

Thank you and look forward to meeting out there again this week.

Dan

Paul Harenberg
PHarenberg@njwsa.org
Sent: Monday, November 28, 2022 8:10 AM
To: Jeremy Brown
Subject: RE: Jacobs Creek HDD
Dan,

Any update on the progress from last week?

Thanks.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Jeremy Brown
Sent: Wednesday, November 23, 2022 9:20 AM
To: Paul Harenberg; PHarenberg@njwsa.org
Subject: Jacobs Creek HDD

Hi Paul and Dan,

It was good to see you on site this week. Can you provide an update on drilling progress this week? We are planning for next week.

Dan – also, if you can find any other daily logs of drill fluid return volumes and drilling pressures, etc., that would be helpful while we are on site.

Thanks, and have a great Thanksgiving!
Jeremy

Jeremy J. Brown, PE
Associate

Schnabel Engineering
T 610.696.6066
Philadelphia Area Office
3 Dickinson Drive, Suite 200
Chadds Ford, PA 19317
schnabel-eng.com

Build Better. Together.

---

Schnabel is committed to nondiscrimination and equal opportunity in our business operations in accordance with Title VI of the Civil Rights Act of 1964. Click here for more information.

Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.
Jeremy/Paul,
FYI Aarons is tripping out today to clean hole inspect tooling and possibly change out mud motor. No production drilling will be happening today.

We can still meet on site to get the lay of the land if you’d like or reschedule initial meeting for tomorrow am as early as you’d like.

Thank you
Dan

Get Outlook for iOS

Jeremy J. Brown, PE
Associate
Schnabel Engineering
T 610.696.6066 / C
Philadelphia Area Office
3 Dickinson Drive, Suite 200
Chadds Ford, PA 19317
schnabel-eng.com

Build Better. Together.

-------------
Schnabel is committed to nondiscrimination and equal opportunity in our business operations in accordance with Title VI of the Civil Rights Act of 1964. Click here for more information.

On Nov 18, 2022, at 1:47 PM, Weirsky, Edward J. wrote:
Paul, Jeremy

I have attached the last three days Of the HDD Crew Drill Logs, Contact list with emails and cell phone numbers for the project. Also the closest cross street intersection is River Road and Oakdale Ave, Upper Makefield Township PA. Let me know if you have any other questions.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work  609-530-0020
Mobile

Please consider the environment before printing this e-mail.

Redesigned and rebuilt: visit our new website at www.stvinc.com

The information contained in this electronic message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are informed that any dissemination, copying or disclosure of the material contained herein, in whole or in part, is strictly prohibited. If you have received this transmission in error, please notify STV and purge this message.

Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.
From: Weirsky, Edward J. <edward.weirsky@stv.com>
Sent: Thursday, November 10, 2022 9:49 AM
To: Paul Harenberg
Cc: Styles, Monica L; Julie Shelley; Kershner, Daniel A
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project
Attachments: RC04064 Jacob's Creek-Daily Progress.pdf

Paul

As of yesterday at end of shift the drill is approximately 450ft in. I have attached the profile sheet for your reference. Just let me know what frequency you want me to update you on. I know you want to know when we think we will be crossing into NJDEP parkland and cannel properties. At this point we do not yet have a consistent daily drill footage to project that date. We should be able to soon.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile 609-208-0964

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Thursday, November 10, 2022 9:20 AM
To: Kershner, Daniel A <dkershner@stv.com>
Cc: Styles, Monica L <monica.styles@stv.com>; Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Dan/Ed,

I assume this project has started. We had requested to get daily/weekly updates to be able to gauge when our consultant would come out and monitor the project. Can you update me on the status of the HDD?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority
From: Kershner, Daniel A <Kershner_Daniel.A@njwsa.org>
Sent: Monday, October 31, 2022 11:29 AM
To: Weirsky, Edward J. <PHarenberg@njwsa.org>
Cc: Styles, Monica L <jshelley@njwsa.org>
Subject: Re: Sunoco Jacobs Creek Pipeline Relocation Project

Paul/Ed,

Confirmed, HDD start planned for Wednesday Nov 2nd. I'll be on-site on Wednesday and can meet with Jeremy to introduce folks and review project specifics.

Thank you
Dan

Get Outlook for iOS

---

From: Weirsky, Edward J. <PHarenberg@njwsa.org>
Sent: Monday, October 31, 2022 10:18:17 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <Kershner_Daniel.A@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Right now we are thinking it should be Wednesday or Thursday of this week. I am waiting for an update from the field now.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

---

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Monday, October 31, 2022 9:52 AM
To: Weirsky, Edward J. <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <Kershner_Daniel.A@njwsa.org>, Styles, Monica L <jshelley@njwsa.org>
Subject: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Ed,

Is there a start date for the HDD yet?
Thanks.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Paul Harenberg
Sent: Friday, October 21, 2022 11:54 AM
To: Weirsky, Edward J. <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Ed,

Thanks for the update.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Weirsky, Edward J. <PHarenberg@njwsa.org>
Sent: Friday, October 21, 2022 11:42 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

That is fine we can coordinate with you once the drill is started. No the HDD did not start today. They are still cleaning out the casing pipe. Once we determine the start date for the HDD I will let you know. Let me know if you need anything else from us.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile
Ed,

We would want to be on site for a day once the HDD pilot hole is under the Delaware River and into rock to observe drilling and to compare to when the bore crosses under the canal. Then, we would want to be on site when the bore crosses under the canal, and then also when the reamer crosses back under the canal.

It would also be good to have any daily/weekly reports they are preparing for us to refer to.

Did the drilling start today? Is it possible to have daily/weekly updates/reports so we can forecast our visits to the site?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

Per our phone conversation yesterday afternoon I have attached the only schedule that I have right now. This schedule can be used for the duration of each aspect of the drill once the drill has started. The schedule will be update and shared with you once the HDD starts. I have also included the contact list for the field work. The list has the name, company names, position of the person, contact phone numbers and email address. Also you requested the cross streets for the work site on the Pennsylvania side of the project they are River Road and Oakdale Ave. If you need anything else just give me a call or email me.
Sunoco is hoping to start the HDD for Jacobs Creek Pipeline Relocation Project on Friday of this week. They are currently finishing the installation of the casing pipe. I wanted to give you as much notice as possible so you can coordinate with your outside engineering firm Schnabel. I will give you a call on Thursday afternoon to let you know if they have completed the casing installation and plan to start drilling on Friday. Please give me a call to discuss this if you have any questions.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

Please consider the environment before printing this e-mail.

Redesigned and rebuilt: visit our new website at www.stvinc.com
part, is strictly prohibited. If you have received this transmission in error, please notify STV and purge this message.

Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.
Paul

Ok I will give you an update again next Thursday. Dan is working on a projection of when we will be crossing into NJDEP parkland and canal properties. When he is done we will forward it to you.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

**This e-mail is from outside STV**

Thanks Ed. This is what I was looking for at this point. Based on the progress, I think an update once a week until we get closer to the other side of the river will be sufficient.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Thursday, November 10, 2022 9:49 AM
To: Weirsky, Edward J. <ewirsky@njwsa.org>
Cc: Styles, Monica L <monicastv@njwsa.org>; Julie Shelley <jshelley@njwsa.org>; Kershner, Daniel A
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Thanks Ed. This is what I was looking for at this point. Based on the progress, I think an update once a week until we get closer to the other side of the river will be sufficient.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority
As of yesterday at end of shift the drill is approximately 450ft in. I have attached the profile sheet for your reference. Just let me know what frequency you want me to update you on. I know you want to know when we think we will be crossing into NJDEP parkland and cannel properties. At this point we do not yet have a consistent daily drill footage to project that date. We should be able to soon.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020

---

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Thursday, November 10, 2022 9:20 AM
To: Kershner, Daniel A <Weirsky, Edward J.< dan@njwsa.org>
Cc: Styles, Monica L <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Dan/Ed,

I assume this project has started. We had requested to get daily/weekly updates to be able to gauge when our consultant would come out and monitor the project. Can you update me on the status of the HDD?

Thank you.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

---

From: Kershner, Daniel A <Weirsky, Edward J.< dan@njwsa.org>
Sent: Thursday, November 10, 2022 9:20 AM
To: Weirsky, Edward J. <Paul Harenberg <PHarenberg@njwsa.org>
Cc: Styles, Monica L <jshelley@njwsa.org>
Subject: Re: Sunoco Jacobs Creek Pipeline Relocation Project

Paul/Ed,

Confirmed, HDD start planned for Wednesday Nov 2nd. I'll be on-site on Wednesday and can meet with Jeremy to introduce folks and review project specifics.

Thank you
Dan

Get Outlook for iOS
From: Weirsky, Edward J. <weirsky@njwssa.org>
Sent: Monday, October 31, 2022 10:18:17 AM
To: Paul Harenberg <PHarenberg@njwssa.org>
Cc: Kershner, Daniel A <jshelley@njwssa.org> Styles, Monica L <jsl@njwssa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Right now we are thinking it should be Wednesday or Thursday of this week. I am waiting for an update from the field now.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile 609-530-0020

From: Paul Harenberg <PHarenberg@njwssa.org>
Sent: Monday, October 31, 2022 9:52 AM
To: Weirsky, Edward J. <weirsky@njwssa.org>
Cc: Kershner, Daniel A <jshelley@njwssa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Ed,

Is there a start date for the HDD yet?

Thanks.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Paul Harenberg
Sent: Friday, October 21, 2022 11:54 AM
To: Weirsky, Edward J. <weirsky@njwssa.org>
Cc: Kershner, Daniel A <jshelley@njwssa.org>
Styles, Monica L <jsl@njwssa.org>
Julie <jsl@njwssa.org>

Ed,

Thanks for the update.
Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority

From: Weirsky, Edward J. <weirsky.edward.j@njwastv.com>
Sent: Friday, October 21, 2022 11:42 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <dskershner@njwastv.com>
     Styles, Monica L <mstyles@njwastv.com>
     Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

That is fine we can coordinate with you once the drill is started. No the HDD did not start today. They are still cleaning out the casing pipe. Once we determine the start date for the HDD I will let you know. Let me know if you need anything else from us.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Friday, October 21, 2022 11:17 AM
To: Weirsky, Edward J. <weirsky.edward.j@njwastv.com>
Cc: Kershner, Daniel A <dskershner@njwastv.com>
     Styles, Monica L <mstyles@njwastv.com>
     Julie Shelley <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

**This e-mail is from outside STV**

Ed,

We would want to be on site for a day once the HDD pilot hole is under the Delaware River and into rock to observe drilling and to compare to when the bore crosses under the canal. Then, we would want to be on site when the bore crosses under the canal, and then also when the reamer crosses back under the canal.

It would also be good to have any daily/weekly reports they are preparing for us to refer to.

Did the drilling start today? Is it possible to have daily/weekly updates/reports so we can forecast our visits to the site?

Thank you.

Regards,
From: Weirsky, Edward J. <Edward.J.Weirsky@STV.com>
Sent: Thursday, October 20, 2022 11:43 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: Kershner, Daniel A <jshelley@njwsa.org>
Subject: RE: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Per our phone conversation yesterday afternoon I have attached the only schedule that I have right now. This schedule can be used for the duration of each aspect of the drill once the drill has started. The schedule will be updated and shared with you once the HDD starts. I have also included the contact list for the field work. The list has the name, company names, position of the person, contact phone numbers and email address. Also you requested the cross streets for the work site on the Pennsylvania side of the project they are River Road and Oakdale Ave. If you need anything else just give me a call or email me.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile

From: Weirsky, Edward J.
Sent: Wednesday, October 19, 2022 10:47 AM
To: Paul Harenberg <PHarenberg@njwsa.org>
Cc: KERSHNER, DANIEL A <jshelley@njwsa.org>
Subject: Sunoco Jacobs Creek Pipeline Relocation Project

Paul

Sunoco is hoping to start the HDD for Jacobs Creek Pipeline Relocation Project on Friday of this week. They are currently finishing the installation of the casing pipe. I wanted to give you as much notice as possible so you can coordinate with your outside engineering firm Schnabel. I will give you a call on Thursday afternoon to let you know if they have completed the casing installation and plan to start drilling on Friday. Please give me a call to discuss this if you have any questions.

Thank you
Edward J Weirsky Jr (Ed)
STV Inc
Sr. Project Manager
Work 609-530-0020
Mobile
Please consider the environment before printing this e-mail.

Redesigned and rebuilt: visit our new website at www.stvinc.com

Please consider the environment before printing this e-mail.

Redesigned and rebuilt: visit our new website at www.stvinc.com

The information contained in this electronic message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law.

If the reader of this message is not the intended recipient, you are informed that any dissemination, copying or disclosure of the material contained herein, in whole or in part, is strictly prohibited. If you have received this transmission in error, please notify STV and purge this message.

Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.
Jeremy,

Please find the footages to the cutting head over the last few days. Attached is the daily log and the plan and profile as of 11.29. As mentioned on our call the Excel data sheet and Profile sheet distance is going to be slightly less that the footages below as they are obtained from where the gyro is located in the drill stem. Its lagging behind the mud motor and cutting head by approx.. 30’.

If we get 4-5 joints drilled tomorrow that will put us just at the vicinity of the canal just before horizontal station 17+00. Friday Dec 2 and Saturday Dec 3 will be piloting through the canal property. The project is only working 6-10’s with no Sunday work.

Monday 11/28
  62.43’ cut
  1387.07’ Total

Tuesday 11/29
  155.76’ cut
  1542.21’ Total

To date we haven’t been tracking the cutting volumes as we have been getting full returns. The pressures that are shown on the Daily Survey Data sheet is the average for each rod drilled. The pressure is recorded 6 times per second, so the engineer can pop in the drill cab and get real time AP’s whenever needed.

I’ll send you another update with todays progress which should end up being another 5 rods.

Thanks
Dan

Daniel Kershner
LTO-Engineering
Pipeline Projects

[Signature]
Hi Dan,

Thanks for the update. I think we will tentatively plan to go to the site on Thursday, depending on progress between now and then. Can you provide us with progress updates for today and late tomorrow for us to gauge when to be on site?

Also, can you provide any other logs of drill fluid return volumes and drilling pressures, etc.? That would be helpful data to have.

Thank you!
Jeremy

Jeremy J. Brown, PE
Associate
Schnabel Engineering
T 610.696.6066 / C 
Philadelphia Area Office
3 Dickinson Drive, Suite 200
Chadds Ford, PA 19317
schnabel-eng.com

---

Paul/Jeremy,

I apologize for no update prior to Thanksgiving. There was really zero forward progress. Attached is the last updated data sheet and profile for forward progress. Ed W. may have already sent this to you. Essentially there has been no forward progress since 11.18.22. They, were changing out the motor last week and one of the two they put on and tripped in with ended up being a dud. They had to trip...
back out and put on the second motor. They are attempting to get the motor to bite up and get back
closer to the designed depth under the river.

Today they are planning to trip in with the second motor, planning to reach bottom at about 1,260’ in
by this afternoon and possibly cut 1-2 rods of additional footage today.

Aarons estimates being at the canal property by this Thursday, so meeting Wednesday to get
introduced to Earl would be the best plan. We also have a DEP meeting/inspection on Thursday so I may
slip over to them once getting the assigned Schnabel engineer set up.

Thank you and look forward to meeting out there again this week.

Dan

---

From: Paul Harenberg <PHarenberg@njwsa.org>
Sent: Monday, November 28, 2022 8:10 AM
To: Jeremy Brown; Kershner, Daniel A
Subject: RE: Jacobs Creek HDD

Dan,

Any update on the progress from last week?

Thanks.

Regards,

Paul Harenberg, PE
Project Engineer
New Jersey Water Supply Authority
Hi Paul and Dan,

It was good to see you on site this week. Can you provide an update on drilling progress this week? We are planning for next week.

Dan – also, if you can find any other daily logs of drill fluid return volumes and drilling pressures, etc., that would be helpful while we are on site.

Thanks, and have a great Thanksgiving!
Jeremy

Jeremy J. Brown, PE
Associate
Schnabel Engineering
T 610.696.6066 / C
Philadelphia Area Office
3 Dickinson Drive, Suite 200
Chadds Ford, PA 19317
schnabel-eng.com

Build Better. Together.

Schnabel is committed to nondiscrimination and equal opportunity in our business operations in accordance with Title VI of the Civil Rights Act of 1964. Click here for more information.

Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender. Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.
Jeremy,
Please see below progress from tonight. The updated excel/PDF profile will be coming tomorrow. Thank you,
Dan

Jeremy,
Please find the footages to the cutting head over the last few days. Attached is the daily log and the plan and profile as of 11.29. As mentioned on our call the Excel data sheet and Profile sheet distance is going to be slightly less that the footages below as they are obtained from where the gyro is located in the drill stem. Its lagging behind the mud motor and cutting head by approx.. 30’.

If we get 4-5 joints drilled tomorrow that will put us just at the vicinity of the canal just before horizontal station 17+00. Friday Dec 2 and Saturday Dec 3 will be piloting through the canal property. The project is only working 6-10’s with no Sunday work.

Monday 11/28
   62.43’ cut
   1387.07’ Total

Tuesday 11/29
   155.76’ cut
   1542.21’ Total

Wednesday 11/30
190’ cut
1732.9’ total MD to cutting head. Approx Horizontal Station 16+56. NOTE the 1732.9’ is Measured drill stem Distance. This does not equate to Station 17+32 on the profile.

To date we haven’t been tracking the cutting volumes as we have been getting full returns. The pressures that are shown on the Daily Survey Data sheet is the average for each rod drilled. The pressure is recorded 6 times per second, so the engineer can pop in the drill cab and get real time AP’s whenever needed.

I’ll send you another update with todays progress which should end up being another 5 rods.

Thanks
Dan

Daniel Kershner
LTO-Engineering
Pipeline Projects

cell:

From: Jeremy Brown
Sent: Tuesday, November 29, 2022 1:11 PM
To: Kershner, Daniel A; Paul Harenberg <pharenberg@njwsa.org>
Cc: Weirsky, Edward J.; Kayla Nelson
Subject: RE: Jacobs Creek HDD

Hi Dan,
Thanks for the update. I think we will tentatively plan to go to the site on Thursday, depending on progress between
now and then. Can you provide us with progress updates for today and late tomorrow for us to gauge when to be on site?

Also, can you provide any other logs of drill fluid return volumes and drilling pressures, etc.? That would be helpful data
to have.

Thank you!
Jeremy

Jeremy J. Brown, PE
Associate
Schnabel Engineering
T 610.696.6066 / C
Philadelphia Area Office
3 Dickinson Drive, Suite 200
Chadds Ford, PA 19317
schnabel-eng.com

---

From: Kershner, Daniel A <pharenberg@njwsa.org>
Sent: Monday, November 28, 2022 9:11 AM
To: Paul Harenberg <pharenberg@njwsa.org>; Jeremy Brown <jeremy.brown@schnabel-eng.com>
Cc: Weirsky, Edward J. <ewirsky@schnabel-eng.com>
Subject: RE: Jacobs Creek HDD

Paul/Jeremy,

I apologize for no update prior to Thanksgiving. There was really zero forward progress. Attached is the last updated
data sheet and profile for forward progress. Ed W. may have already sent this to you. Essentially there has been no
forward progress since 11.18.22. They, were changing out the motor last week and one of the two they put on and
tripped in with ended up being a dud. They had to trip back out and put on the second motor. The are attempting to
get the motor to bite up and get back closer to the designed depth under the river.

Today they are planning to trip in with the second motor, planning to reach bottom at about 1,260’ in by this afternoon
and possibly cut 1-2 rods of additional footage today.

Aarons estimates being at the canal property by this Thursday, so meeting Wednesday to get introduced to Earl would
be the best plan. We also have a DEP meeting/inspection on Thursday so I may slip over to them once getting the
assigned Schnabel engineer set up.

Thank you and look forward to meeting out there again this week.
Dan
From: Paul Harenberg <PHarenberg@njwsa.org>  
Sent: Monday, November 28, 2022 8:10 AM  
To: Jeremy Brown; Kershner, Daniel A <Daniel.Kershner@njwsa.org>  
Subject: RE: Jacobs Creek HDD

Dan,

Any update on the progress from last week?

Thanks.

Regards,

Paul Harenberg, PE  
Project Engineer  
New Jersey Water Supply Authority

From: Jeremy Brown  
Sent: Wednesday, November 23, 2022 9:20 AM  
To: Paul Harenberg <PHarenberg@njwsa.org>; Daniel Kershner  
Subject: Jacobs Creek HDD

Hi Paul and Dan,

It was good to see you on site this week. Can you provide an update on drilling progress this week? We are planning for next week.

Dan – also, if you can find any other daily logs of drill fluid return volumes and drilling pressures, etc., that would be helpful while we are on site.

Thanks, and have a great Thanksgiving!
Jeremy

Jeremy J. Brown, PE  
Associate  
Schnabel Engineering  
T 610.696.6066 / C 609.992.0721  
Philadelphia Area Office
Build Better. Together.

Schnabel is committed to nondiscrimination and equal opportunity in our business operations in accordance with Title VI of the Civil Rights Act of 1964. Click here for more information.

Private and confidential as detailed here, If you cannot access hyperlink, please e-mail sender.
Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.
Jeremy,

I’m still waiting on yesterday’s Daily report. We requested Aarons to start putting some of the additional information on that report and moving forward.

Thank you,

Dan
Client: OTIS MINNESOTA SERVICES  
Date: 11/28/2022  
Job#: 2134046.

Project: ET Jacobs Creek Project HDD  

Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Op Hrs</th>
<th>Idle Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>DODGE CREW CAB</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>STORAGE TRAILER</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>EXCAVATOR 328 D LCR HYD</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>WELDER 400 AMP</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>LIGHT PLANT</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>LIGHT PLANT</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>DD440 DIRECTIONAL DRILL</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>MUD CLEANER - MCD 1000</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>TT680 MUD PUMP</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>godwin pump</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>936 Leibherr Zero Turn</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>25kw generator</td>
<td>0</td>
<td>10</td>
</tr>
</tbody>
</table>

Crew Member Hours

<table>
<thead>
<tr>
<th>Crew Member</th>
<th>Class</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROVE, JOSEPH</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>GILBERT, JOSHUA</td>
<td>30LB</td>
<td>10</td>
</tr>
<tr>
<td>MCGOON, HAROLD</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>MASSEY, WILLIAM</td>
<td>30LB</td>
<td>10</td>
</tr>
<tr>
<td>WEBER, TERRENCE</td>
<td>10OP</td>
<td>10</td>
</tr>
<tr>
<td>RETKOFSKY, DAVID</td>
<td>O1</td>
<td>10</td>
</tr>
<tr>
<td>BECK, JAMES</td>
<td>O3</td>
<td>10</td>
</tr>
<tr>
<td>CELINS, KARLIS</td>
<td>30LB</td>
<td>10</td>
</tr>
</tbody>
</table>

Job Tasks

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>63-LF</td>
<td>MAX RIG PILOT HOLE ROCK</td>
</tr>
</tbody>
</table>

Job Notes:

- DRILLED 62.43FT AND A TOTAL OF 1387FT OUT. 5:00 END OF DAY.

PM Notes:
Jeremy,

Please find the footages to the cutting head over the last few days. Attached is the daily log and the plan and profile as of 11.29. As mentioned on our call the Excel data sheet and Profile sheet distance is going to be slightly less that the footages below as they are obtained from where the gyro is located in the drill stem. It's lagging behind the mud motor and cutting head by approx.. 30’.

If we get 4-5 joints drilled tomorrow that will put us just at the vicinity of the canal just before horizontal station 17+00. Friday Dec 2 and Saturday Dec 3 will be piloting through the canal property. The project is only working 6-10’s with no Sunday work.

Monday 11/28
   62.43’ cut
   1387.07’ Total

Tuesday 11/29
   155.76’ cut
   1542.21’ Total

Wednesday 11/30
   190’ cut
   1732.9’ total MD to cutting head. Approx Horizontal Station 16+56. NOTE the 1732.9’ is Measured drill stem Distance. This does not equate to Station 17+32 on the profile.
To date we haven’t been tracking the cutting volumes as we have been getting full returns. The pressures that are shown on the Daily Survey Data sheet is the average for each rod drilled. The pressure is recorded 6 times per second, so the engineer can pop in the drill cab and get real time AP’s whenever needed.

I’ll send you another update with todays progress which should end up being another 5 rods.

Thanks
Dan

From: Jeremy Brown
Sent: Tuesday, November 29, 2022 1:11 PM
To: Kershner, Daniel A.; Paul Harenberg <pharenberg@njwsa.org>
Cc: Weirsky, Edward J.; Kayla Nelson
Subject: RE: Jacobs Creek HDD

Hi Dan,

Thanks for the update. I think we will tentatively plan to go to the site on Thursday, depending on progress between now and then. Can you provide us with progress updates for today and late tomorrow for us to gauge when to be on site?
Also, can you provide any other logs of drill fluid return volumes and drilling pressures, etc.? That would be helpful data to have.

Thank you!
Jeremy

Jeremy J. Brown, PE
Associate
Schnabel Engineering
T 610.696.6066 / C
Philadelphia Area Office
3 Dickinson Drive, Suite 200
Chadds Ford, PA 19317
schnabel-eng.com

Build Better. Together.

Schabel is committed to nondiscrimination and equal opportunity in our business operations in accordance with Title VI of the Civil Rights Act of 1964. Click here for more information.

From: Kershner, Daniel A
Sent: Monday, November 28, 2022 9:11 AM
To: Paul Harenberg <pharenberg@njwsa.org>; Jeremy Brown
Cc: Weirsky, Edward J.
Subject: RE: Jacobs Creek HDD

Paul/Jeremy,

I apologize for no update prior to Thanksgiving. There was really zero forward progress. Attached is the last updated data sheet and profile for forward progress. Ed W. may have already sent this to you. Essentially there has been no forward progress since 11.18.22. They were changing out the motor last week and one of the two they put on and tripped in with ended up being a dud. They had to trip back out and put on the second motor. They are attempting to get the motor to bite up and get back closer to the designed depth under the river.

Today they are planning to trip in with the second motor, planning to reach bottom at about 1,260’ in by this afternoon and possibly cut 1-2 rods of additional footage today.

Aarons estimates being at the canal property by this Thursday, so meeting Wednesday to get introduced to Earl would be the best plan. We also have a DEP meeting/inspection on Thursday so I may slip over to them once getting the assigned Schnabel engineer set up.

Thank you and look forward to meeting out there again this week.
Dan
Thanks.

It was good to see you on site this week. Can you provide an update on drilling progress this week? Dan – also, if you can find any other daily logs of drill fluid return volumes and drilling pressures, etc., that would be helpful while we are on site.

Thanks, and have a great Thanksgiving!

Jeremy

Jeremy J. Brown, PE
Associate
Schnabel Engineering
T 610.696.6066 / C 610.925.2498
Philadelphia Area Office
Schnabel is committed to nondiscrimination and equal opportunity in our business operations in accordance with Title VI of the Civil Rights Act of 1964. Click here for more information.

Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.
Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.