

**Subject:** RE: Rivian Automotive Project - US Highway 191 North of 313 - Temporary Restroom Accommodation - Project Phase 1  
**From:** "Whitney, Zachary" <zwhitney@gpdgroup.com>  
**To:** Orion Rogers <orogers@utah.gov>, Bill Hulse <bhulse@grandcountyutah.net>, Cole Cloward <ccloward@grandcountyutah.net>, Mila Dunbar-Irwin <mdunbarirwin@grandcountyutah.net>, Jonathan Dutrow <jdutrow@utah.gov>  
**Cc:** "Sheets, Zach" <zsheets@gpdgroup.com>, "Lyons, Joshua" <jlyons@gpdgroup.com>  
**Date Sent:** Wednesday, November 18, 2020 1:45:35 PM GMT-07:00  
**Date Received:** Wednesday, November 18, 2020 1:45:57 PM GMT-07:00

Thank you, Orion.

We will submit the preliminary plan sets for Phase 1 to the group once we complete the conceptual drawings.

We appreciate all of your assistance.

**Zachary Whitney | Energy Team | GPD GROUP**  
X: 7397 / D: 206-204-7397

**From:** Orion Rogers <orogers@utah.gov>  
**Sent:** Wednesday, November 18, 2020 12:36 PM  
**To:** Whitney, Zachary <zwhitney@gpdgroup.com>; Bill Hulse <bhulse@grandcountyutah.net>; Cole Cloward <ccloward@grandcountyutah.net>; Mila Dunbar-Irwin <mdunbarirwin@grandcountyutah.net>; Sheets, Zach <zsheets@gpdgroup.com>; Orion Rogers <orogers@utah.gov>; Jonathan Dutrow <jdutrow@utah.gov>; Lyons, Joshua <jlyons@gpdgroup.com>  
**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313 - Temporary Restroom Accommodation - Project Phase 1

This Message originated outside your organization

It will need to be reviewed by the Grand County Development Review Team which includes the health and building departments among others. Submit what you are proposing to use and how it will be maintained to the group included in this email.

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

On Wed, Nov 18, 2020 at 1:32 PM Whitney, Zachary <zwhitney@gpdgroup.com> wrote:

Hello, Orion.

We appreciate your prompt response on this. Will the temporary restroom associated with Phase 1 need to be reviewed by the Health Dept for permit?

If so, let us know what the procedure for this would be.

Thank you!

**Zachary Whitney | Energy Team | GPD GROUP**  
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On Wed, Nov 18, 2020 at 1:14 PM Whitney, Zachary <zwhitney@gpdgroup.com> wrote:

\*\*Disregard the previous message\*\*

Good Afternoon, Mr. Hulse & Ms. Irwin!

This is Zachary Whitney with GPD Group. I will be taking point on a large majority of coordination efforts with

Grand County for the Rivian Automotive Project located along US Highway 191, North of 313:



Rivian Automotive is an all-electric vehicle manufacturer and will be rolling out our all electric Amazon Prime Vans, R1T Truck, and R1S SUV the middle of 2021. They are currently in the process of purchasing 5.5 acres (Parcel #04-020-0042) just north of highway 313. The goal is to change the way electric vehicle driver's view adventure and want to enable travel to key destinations such as Moab. Not only would this location enable charging solutions, but there is a plan to incorporate some basic amenities such as restrooms, seating area to enjoy the views, and basic vending (grab and go style with healthier options, not chips and candy bars).

This proposal is being split into (2) different phases:

**Phase 1:**

Installation of (3) Rivian Electric Vehicle charging spaces. This includes electrical infrastructure for the (3) stations, along with future installations.  
No retail amenities will be installed with Phase 1.

**Phase 2: Rough Scope:**

Installation of additional (59) Rivian electric vehicle charging spaces & retail amenities.

**We are needing to determine if there will be a requirement for temporary restroom installation during Phase 1 of this proposal. The State Health department notified us that temporary restrooms would be acceptable for Phase 1 installation if required by the County Building Department.**

**Based on the scope of work for Phase 1 above, will the project be required to include temporary restroom installation?**

Please let us know as soon as you are able on this. Thank you for the assistance.

Best,

Zachary Whitney | Energy Team | [GPD GROUP](#)  
X: 7397 / D: 206-204-7397

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**From:** Whitney, Zachary

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**To:** Bill Hulse <[bhulse@grandcountyutah.net](mailto:bhulse@grandcountyutah.net)>; Cole Cloward <[ccloward@grandcountyutah.net](mailto:ccloward@grandcountyutah.net)>; Mila Dunbar-Irwin <[mdunbarirwin@grandcountyutah.net](mailto:mdunbarirwin@grandcountyutah.net)>

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with Phase 1 only including the installation of (3) EV Charging Spaces. There will be no retail amenities installed during Phase 1. **We are needing to determine if there will be a requirement for temporary restroom installation during phase 1 of this proposal. The State Health department notified us that temporary restrooms would be acceptable for Phase 1 installation if required by the County Building Department.**

**Based on the scope of work for Phase 1**

Zachary Whitney | Energy Team | [GPD GROUP](#)  
X: 7397 / D: 206-204-7397

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**From:** Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>  
**Sent:** Tuesday, November 10, 2020 11:26 AM  
**To:** Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>; Bill Hulse <[bhulse@grandcountyutah.net](mailto:bhulse@grandcountyutah.net)>; Cole Cloward <[ccloward@grandcountyutah.net](mailto:ccloward@grandcountyutah.net)>; Bradon Bradford <[bbradfor@utah.gov](mailto:bbradfor@utah.gov)>; Jonathan Dutrow <[jdutrow@utah.gov](mailto:jdutrow@utah.gov)>; Mila Dunbar-Irwin <[mdunbarirwin@grandcountyutah.net](mailto:mdunbarirwin@grandcountyutah.net)>; Christina Sloan <[csloan@grandcountyutah.net](mailto:csloan@grandcountyutah.net)>; Hailey Gardner <[haileygardner@utah.gov](mailto:haileygardner@utah.gov)>  
**Cc:** Sheets, Zach <[zsheets@gpdgroup.com](mailto:zsheets@gpdgroup.com)>  
**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313

Hi Josh,

So long as the portable restroom is ADA compliant and meets any rules or regulations that the building or county (included in this email) may have I would be OK with using them so long as there is a servicing contract with a local pumper.

See the following code references:

## Rule R392-401. Roadway Rest Area Sanitation.

### R392-401-3. Definitions.

For the purposes of this rule, the following terms, phrases, and words shall have the meanings herein expressed:

(5) "Roadway rest area" or "Rest area" means any building, or buildings, or grounds, parking areas, including toilet, hand washing, water supply and wastewater facilities intended for the accommodation of people using such facilities while traveling on public roadways. This includes rest areas, welcome centers, and rest stops.

### R392-401-6. Wastewater Disposal Requirements.

(1) The operator shall ensure that sewer services are made available to roadway rest area patrons.

(2) Sewer systems for use by roadway rest area patrons shall be designed, installed, and operated according to the requirements set forth by:

(a) Plumbing Code;

(b) The Utah Department of Environmental Quality, Division of Water Quality under Title R317-4;

(c) local health department regulations; and

(d) the local sewer district having jurisdiction.

(3) All wastewater shall be discharged to a public sanitary sewer system whenever practicable.

(4) Where connection to a public sanitary sewer is not practicable, wastewater shall be discharged to:

(a) an approved onsite wastewater disposal system; or

(b) a vault privy which shall be located, constructed, and maintained according to the requirements of Rule R317-560 and local health department regulation in such a manner that:

(i) Users do not contact waste matter deposited;

(ii) Access to the vault privy interior or vault is minimized for flies, insects, rats, and other animals;

(iii) Surface or ground water cannot enter the vault, either as runoff or as flood water;

(iv) The waste material in the vault privy cannot contaminate a water supply, stream, or body of water; and

(v) Odors are minimized both inside and outside the vault privy structure.

(5) The operator shall submit all required plans for the construction or alteration of an onsite wastewater disposal system in accordance with Title R317.

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director

Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

On Tue, Nov 10, 2020 at 12:01 PM Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)> wrote:

Orion,

Can you point us to a code section we can review for this requirement? The code would aid us in the right direction and ensure we provide a compliant plan vs an interpretation. Is the parking lot being considered as a rest stop?

Also until the well and septic are finalized, is a temporary restroom acceptable for the parking lot in the interim? Something similar to this: <https://royalrestrooms-mountainwest.com/restrooms-%26-showers> Showers would not be installed, but ADA compliant RRs.

Then once the Phase 2 amenities are completed and well/septic approved we would install permanent restrooms.

Thank you,

**Josh Lyons**  
Project Manager

**GPD GROUP**  
ARCHITECTS • ENGINEERS • PLANNERS  
T: 330.572.2211 / M: 330.388.8395 / F: 330.572.2101  
520 South Main Street, Suite 2531, Akron, OH 44311  
[gpdgroup.com](http://gpdgroup.com)

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**From:** Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>  
**Sent:** Monday, November 9, 2020 6:30 PM  
**To:** Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>  
**Cc:** Sheets, Zach <[zsheets@gpdgroup.com](mailto:zsheets@gpdgroup.com)>  
**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313

This project will need restroom facilities.

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

On Mon, Nov 9, 2020 at 1:39 PM Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)> wrote:

Orion,

Good afternoon. I wanted to reach back out regarding this project for further discussion. Rivian is extremely excited about this project and what the future at this location holds. As such, they would really like to move forward with Phase 1 of the site, which is limited to providing electric charging parking spaces. There may be 30-40 spaces as part of Phase 1. For only parking spaces, with no retail amenities or buildings, does the Health Department require restroom facilities?

We are trying to make a determination on when we need to get consultants under contract for design of the septic system and well.

Thank you for any feedback you can provide.

Respectfully,

**Josh Lyons**  
Project Manager

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**From:** Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>  
**Sent:** Tuesday, October 27, 2020 8:27 AM  
**To:** Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>  
**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313

The onsite wastewater application is here  
<https://www.seuhealth.com/environmental-health>

Coreen's number is 801-699-2055

On Tue, Oct 27, 2020 at 1:48 AM Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)> wrote:

I can also only find online a permit for a large wastewater system. On the phone you mentioned a small wastewater permit. Can you send me a copy of that form or a link to where I can find it at? Just looked for the review application that would need provided with the design documents.

Thanks!

**Josh Lyons**  
Project Manager

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**From:** Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>  
**Sent:** Thursday, October 22, 2020 5:19 PM  
**To:** Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>  
**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313

The system will need to be designed by an onsite wastewater designer that holds the correct certification level for the type of system needed. See this list to find a professional: <https://documents.deq.utah.gov/water-quality/certification/DWQ-2017-000801.pdf>

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

On Thu, Oct 22, 2020 at 12:03 PM Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)> wrote:

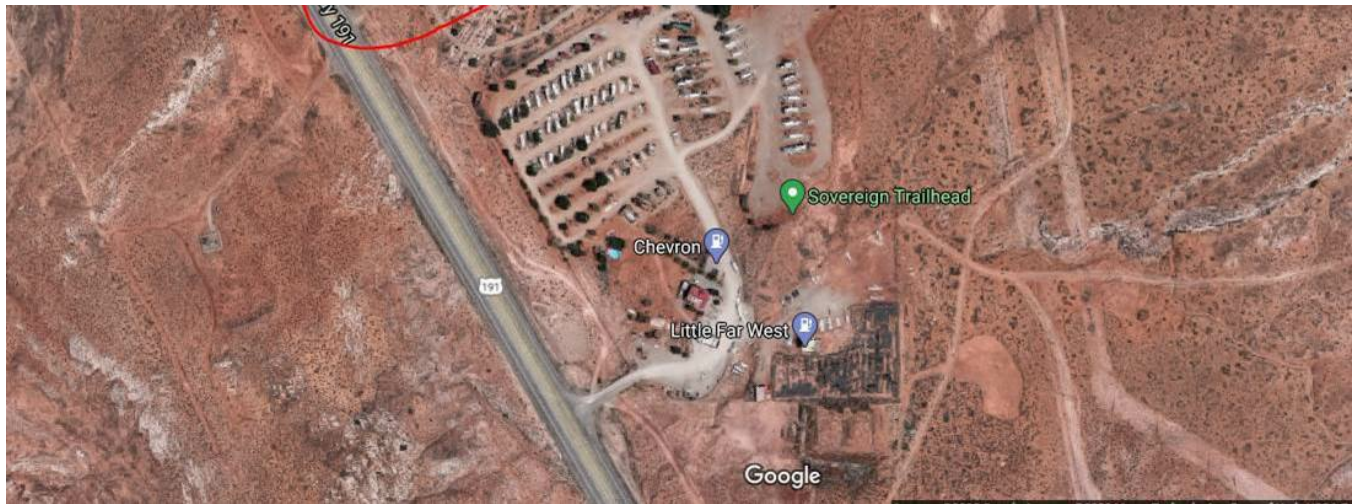
Mr. Rogers,

Good afternoon. I received your name from Grand County Planning Department and wanted to reach out and discuss a project I am involved with that will be submitted in the very near future for Planning approvals.

Rivian Automotive is an all-electric vehicle manufacturer and will be rolling out our all electric Amazon Prime Vans, R1T Truck, and R1S SUV the middle of 2021. They are currently in the process of purchasing 5.5 acres (Parcel #04-020-0042) just north of highway 313. The goal is to change the way electric vehicle driver's view adventure and want to enable travel to key destinations such as Moab. Not only would this location enable charging solutions, but there is a plan to incorporate some basic amenities such as restrooms, seating area to enjoy the views, and basic vending (grab and go style with healthier options, not chips and candy bars). As I also understand the property would require a septic system for sanitary. I wanted to discuss the design and permitting required for waste water and your expectations.







Respectfully,

**Josh Lyons**  
Project Manager

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#### Based on the scope of work for Phase 1

Zachary Whitney | Energy Team | [GPD GROUP](#)  
X: 7397 / D: 206-204-7397

**From:** Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>  
**Sent:** Tuesday, November 10, 2020 11:26 AM  
**To:** Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>; Bill Hulse <[bhulse@grandcountyutah.net](mailto:bhulse@grandcountyutah.net)>; Cole Cloward <[ccloward@grandcountyutah.net](mailto:ccloward@grandcountyutah.net)>; Bradon Bradford <[bbradfor@utah.gov](mailto:bbradfor@utah.gov)>; Jonathan Dutrow <[jdutrow@utah.gov](mailto:jdutrow@utah.gov)>; Mila Dunbar-Irwin <[mdunbarirwin@grandcountyutah.net](mailto:mdunbarirwin@grandcountyutah.net)>; Christina Sloan <[csloan@grandcountyutah.net](mailto:csloan@grandcountyutah.net)>; Hailey Gardner <[haileygardner@utah.gov](mailto:haileygardner@utah.gov)>  
**Cc:** Sheets, Zach <[zsheets@gpdgroup.com](mailto:zsheets@gpdgroup.com)>  
**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313

Hi Josh,

So long as the portable restroom is ADA compliant and meets any rules or regulations that the building or county (included in this email) may have I would be OK with using them so long as there is a servicing contract with a local pumper.

See the following code references:

## Rule R392-401. Roadway Rest Area Sanitation.

### R392-401-3. Definitions.

For the purposes of this rule, the following terms, phrases, and words shall have the meanings herein expressed:

(5) "Roadway rest area" or "Rest area" means any building, or buildings, or grounds, parking areas, including toilet, hand washing, water supply and wastewater facilities intended for the accommodation of people using such facilities while traveling on public roadways. This includes rest areas, welcome centers, and rest stops.

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Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

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Then once the Phase 2 amenities are completed and well/septic approved we would install permanent restrooms.

Thank you,

**Josh Lyons**  
Project Manager

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T: 330.572.2211 / M: 330.388.8395 / F: 330.572.2101  
520 South Main Street, Suite 2531, Akron, OH 44311  
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This project will need restroom facilities.

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Thank you for any feedback you can provide.

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Coreen's number is 801-699-2055

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I can also only find online a permit for a large wastewater system. On the phone you mentioned a small wastewater permit. Can you send me a copy of that form or a link to where I can find it at? Just looked for the review application that would need provided with the design documents.

Thanks!

**Josh Lyons**  
Project Manager

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The system will need to be designed by an onsite wastewater designer that holds the correct certification level for the type of system needed. See this list to find a professional: <https://documents.deq.utah.gov/water-quality/certification/DWQ-2017-000801.pdf>

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
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Office: 435-259-5602  
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On Thu, Oct 22, 2020 at 12:03 PM Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)> wrote:

Mr. Rogers,

Good afternoon. I received your name from Grand County Planning Department and wanted to reach out and discuss a project I am involved with that will be submitted in the very near future for Planning approvals.

Rivian Automotive is an all-electric vehicle manufacturer and will be rolling out our all electric Amazon Prime Vans, R1T Truck, and R1S SUV the middle of 2021. They are currently in the process of purchasing 5.5 acres (Parcel #04-020-0042) just north of highway 313. The goal is to change the way electric vehicle driver's view adventure and want to enable travel to key destinations such as Moab. Not only would this location enable charging solutions, but there is a plan to incorporate some basic amenities such as restrooms, seating area to enjoy the views, and basic vending (grab and go style with healthier options, not chips and candy bars).

As I also understand the property would require a septic system for sanitary. I wanted to discuss the design and permitting required for waste water and your expectations.





Respectfully,

**Josh Lyons**  
Project Manager

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**Subject:** RE: Rivian Automotive Project - US Highway 191 North of 313 - Temporary Restroom Accommodation - Project Phase 1

**From:** "Whitney, Zachary" <zwhitney@gpdgroup.com>

**To:** Bill Hulse <bhulse@grandcountyutah.net>, Cole Cloward <ccloward@grandcountyutah.net>

**Cc:** Mila Dunbar-Irwin <mdunbarirwin@grandcountyutah.net>

**Date Sent:** Wednesday, November 18, 2020 1:35:50 PM GMT-07:00

**Date Received:** Wednesday, November 18, 2020 1:36:07 PM GMT-07:00

---

Good Afternoon, Mr. Hulse & Mr. Cloward.

I hope you are both doing well. Orion Rogers stated below that a temporary restroom will be acceptable for Phase 1 of the Rivian EV Charging project. He did mention that the temp. restrooms must meet building department requirements.

Are there specific building department requirements that pertain to temporary restrooms?

If so, could you send these our way or point us to the code section that applies to this scenario?

**Would the building department want to review the temporary restroom type, and service contract as part of the Phase 1 Building Permit?**

Let me know on the above. Thank you all for the assistance with this.

**Zachary Whitney | Energy Team | GPD GROUP**

**X:** 7397 / **D:** 206-204-7397

---

**From:** Orion Rogers <orogers@utah.gov>

**Sent:** Wednesday, November 18, 2020 12:16 PM

**To:** Whitney, Zachary <zwhitney@gpdgroup.com>

**Cc:** Bill Hulse <bhulse@grandcountyutah.net>; Cole Cloward <ccloward@grandcountyutah.net>; Mila Dunbar-Irwin <mdunbarirwin@grandcountyutah.net>; Sheets, Zach <zsheets@gpdgroup.com>; Jonathan Dutrow <jdutrow@utah.gov>; Lyons, Joshua <jlyons@gpdgroup.com>

**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313 - Temporary Restroom Accommodation - Project Phase 1

**This Message originated outside your organization**

---

To clarify, the restroom requirement is required by health code. An ADA fully contained trailer with toilets and sinks that can have a servicing contract to be pumped would be allowable by the health department so long as it meets all building department requirements.

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

On Wed, Nov 18, 2020 at 1:14 PM Whitney, Zachary <zwhitney@gpdgroup.com> wrote:

**\*\*Disregard the previous message\*\***

Good Afternoon, Mr. Hulse & Ms. Irwin!

This is Zachary Whitney with GPD Group. I will be taking point on a large majority of coordination efforts with Grand County for the Rivian Automotive Project located along US Highway 191, North of 313:





Rivian Automotive is an all-electric vehicle manufacturer and will be rolling out our all electric Amazon Prime Vans, R1T Truck, and R1S SUV the middle of 2021. They are currently in the process of purchasing 5.5 acres (Parcel #04-020-0042) just north of highway 313. The goal is to change the way electric vehicle driver's view adventure and want to enable travel to key destinations such as Moab. Not only would this location enable charging solutions, but there is a plan to incorporate some basic amenities such as restrooms, seating area to enjoy the views, and basic vending (grab and go style with healthier options, not chips and candy bars).

This proposal is being split into (2) different phases:

**Phase 1:**

Installation of (3) Rivian Electric Vehicle charging spaces. This includes electrical infrastructure for the (3) stations, along with future installations.  
No retail amenities will be installed with Phase 1.

**Phase 2: Rough Scope:**

Installation of additional (59) Rivian electric vehicle charging spaces & retail amenities.

**We are needing to determine if there will be a requirement for temporary restroom installation during Phase 1 of this proposal. The State Health department notified us that temporary restrooms would be acceptable for Phase 1 installation if required by the County Building Department.**

**Based on the scope of work for Phase 1 above, will the project be required to include temporary restroom installation?**

Please let us know as soon as you are able on this. Thank you for the assistance.

Best,

Zachary Whitney | Energy Team | [GPD GROUP](#)  
X: 7397 / D: 206-204-7397

---

**From:** Whitney, Zachary

**Sent:** Wednesday, November 18, 2020 12:11 PM

**To:** Bill Hulse <[bhulse@grandcountyutah.net](mailto:bhulse@grandcountyutah.net)>; Cole Cloward <[ccloward@grandcountyutah.net](mailto:ccloward@grandcountyutah.net)>; Mila Dunbar-Irwin <[mdunbarirwin@grandcountyutah.net](mailto:mdunbarirwin@grandcountyutah.net)>

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This proposal is being split into (2) different phases:

**Phase 1:**

Installation of (3) Rivian Electric Vehicle charging spaces. This includes electrical infrastructure for the (3) stations, along with future installations.

**Phase 2:**

with Phase 1 only including the installation of (3) EV Charging Spaces. There will be no retail amenities installed during Phase 1. **We are needing to determine if there will be a requirement for temporary restroom installation during phase 1 of this proposal. The State Health department notified us that temporary restrooms would be acceptable for Phase 1 installation if required by the County Building Department.**

**Based on the scope of work for Phase 1**

**Zachary Whitney** | Energy Team | [GPD GROUP](#)

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Rivian Automotive is an all-electric vehicle manufacturer and will be rolling out our all electric Amazon Prime Vans, R1T Truck, and R1S SUV the middle of 2021. They are currently in the process of purchasing 5.5 acres (Parcel #04-020-0042) just north of highway 313. The goal is to change the way electric vehicle driver's view adventure and want to enable travel to key destinations such as Moab. Not only would this location enable charging solutions, but there is a plan to incorporate some basic amenities such as restrooms, seating area to enjoy the views, and basic vending (grab and go style with healthier options, not chips and candy bars).

As I also understand the property would require a septic system for sanitary. I wanted to discuss the design and permitting required for waste water and your expectations.





Respectfully,

**Josh Lyons**  
Project Manager

**GPD GROUP**

ARCHITECTS • ENGINEERS • PLANNERS

T: 330.572.2211 / M: 330.388.8395 / F: 330.572.2101

[520 South Main Street, Suite 2531, Akron, OH 44311](#)

[gpdgroup.com](http://gpdgroup.com)

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--

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

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**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313 - Temporary Restroom Accommodation - Project Phase 1  
**From:** Orion Rogers <orogers@utah.gov>  
**To:** "Whitney, Zachary" <zwhitney@gpdgroup.com>  
**Cc:** Bill Hulse <bhulse@grandcountyutah.net>, Cole Cloward <ccloward@grandcountyutah.net>, Mila Dunbar-Irwin <mdunbarirwin@grandcountyutah.net>, "Sheets, Zach" <zsheets@gpdgroup.com>, Jonathan Dutrow <jdutrow@utah.gov>, "Lyons, Joshua" <jlyons@gpdgroup.com>  
**Date Sent:** Wednesday, November 18, 2020 1:16:11 PM GMT-07:00  
**Date Received:** Wednesday, November 18, 2020 1:16:24 PM GMT-07:00

To clarify, the restroom requirement is required by health code. An ADA fully contained trailer with toilets and sinks that can have a servicing contract to be pumped would be allowable by the health department so long as it meets all building department requirements.

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

On Wed, Nov 18, 2020 at 1:14 PM Whitney, Zachary <[zwhitney@gpdgroup.com](mailto:zwhitney@gpdgroup.com)> wrote:

**\*\*Disregard the previous message\*\***

Good Afternoon, Mr. Hulse & Ms. Irwin!

This is Zachary Whitney with GPD Group. I will be taking point on a large majority of coordination efforts with Grand County for the Rivian Automotive Project located along US Highway 191, North of 313:



Rivian Automotive is an all-electric vehicle manufacturer and will be rolling out our all electric Amazon Prime Vans, R1T Truck, and R1S SUV the middle of 2021. They are currently in the process of purchasing 5.5 acres (Parcel #04-020-0042) just north of highway 313. The goal is to change the way electric vehicle driver's view adventure and want to enable travel to key destinations such as Moab. Not only would this location enable charging solutions, but there is a plan to incorporate some basic amenities such as restrooms, seating area to enjoy the views, and basic vending (grab and go style with healthier options, not chips and candy bars).

This proposal is being split into (2) different phases:

**Phase 1:**

Installation of (3) Rivian Electric Vehicle charging spaces. This includes electrical infrastructure for the (3) stations, along with future installations.  
No retail amenities will be installed with Phase 1.

**Phase 2: Rough Scope:**

Installation of additional (59) Rivian electric vehicle charging spaces & retail amenities.



**We are needing to determine if there will be a requirement for temporary restroom installation during Phase 1 of this proposal. The State Health department notified us that temporary restrooms would be acceptable for Phase 1 installation if required by the County Building Department.**

**Based on the scope of work for Phase 1 above, will the project be required to include temporary restroom installation?**

Please let us know as soon as you are able on this. Thank you for the assistance.

Best,

Zachary Whitney | Energy Team | [GPD GROUP](#)

X: 7397 / D: 206-204-7397

---

**From:** Whitney, Zachary

**Sent:** Wednesday, November 18, 2020 12:11 PM

**To:** Bill Hulse <[bhulse@grandcountyutah.net](mailto:bhulse@grandcountyutah.net)>; Cole Cloward <[ccloward@grandcountyutah.net](mailto:ccloward@grandcountyutah.net)>; Mila Dunbar-Irwin <[mdunbarirwin@grandcountyutah.net](mailto:mdunbarirwin@grandcountyutah.net)>

**Cc:** Sheets, Zach <[zsheets@gpdgroup.com](mailto:zsheets@gpdgroup.com)>; Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>; Jonathan Dutrow <[jdutrow@utah.gov](mailto:jdutrow@utah.gov)>; Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>

**Subject:** RE: Rivian Automotive Project - US Highway 191 North of 313 - Temporary Restroom Accommodation - Project Phase 1

Good Afternoon, Mr. Hulse & Ms. Irwin!

This is Zachary Whitney with GPD Group. I will be taking point on a large majority of coordination efforts with Grand County for the Rivian Automotive Project located along US Highway 191, North of 313:



Rivian Automotive is an all-electric vehicle manufacturer and will be rolling out our all electric Amazon Prime Vans, R1T Truck, and R1S SUV the middle of 2021. They are currently in the process of purchasing 5.5 acres (Parcel #04-020-0042) just north of highway 313. The goal is to change the way electric vehicle driver's view adventure and want to enable travel to key destinations such as Moab. Not only would this location enable charging solutions, but there is a plan to incorporate some basic amenities such as restrooms, seating area to enjoy the views, and basic vending (grab and go style with healthier options, not chips and candy bars).

This proposal is being split into (2) different phases:

**Phase 1:**

Installation of (3) Rivian Electric Vehicle charging spaces. This includes electrical infrastructure for the (3) stations, along with future installations.

**Phase 2:**

with Phase 1 only including the installation of (3) EV Charging Spaces. There will be no retail amenities installed during Phase 1. **We are needing to determine if there will be a requirement for temporary restroom installation during phase 1 of this proposal. The State Health department notified us that temporary restrooms would be acceptable for Phase 1 installation if required by the County Building Department.**

**Based on the scope of work for Phase 1**

Zachary Whitney | Energy Team | [GPD GROUP](#)

X: 7397 / D: 206-204-7397

---

**From:** Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>

**Sent:** Tuesday, November 10, 2020 11:26 AM

**To:** Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>; Bill Hulse <[bhulse@grandcountyutah.net](mailto:bhulse@grandcountyutah.net)>; Cole Cloward <[ccloward@grandcountyutah.net](mailto:ccloward@grandcountyutah.net)>; Bradon Bradford <[bbradfor@utah.gov](mailto:bbradfor@utah.gov)>; Jonathan Dutrow <[jdutrow@utah.gov](mailto:jdutrow@utah.gov)>; Mila Dunbar-Irwin <[mdunbarirwin@grandcountyutah.net](mailto:mdunbarirwin@grandcountyutah.net)>; Christina Sloan <[csloan@grandcountyutah.net](mailto:csloan@grandcountyutah.net)>; Hailey Gardner <[haileygardner@utah.gov](mailto:haileygardner@utah.gov)>

**Cc:** Sheets, Zach <[zsheets@gpdgroup.com](mailto:zsheets@gpdgroup.com)>

**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313

Hi Josh,

So long as the portable restroom is ADA compliant and meets any rules or regulations that the building or county (included in this email) may have I would be OK with using them so long as there is a servicing contract with a local pumper.

See the following code references:

**Rule R392-401. Roadway Rest Area Sanitation.**



### R392-401-3. Definitions.

For the purposes of this rule, the following terms, phrases, and words shall have the meanings herein expressed:

(5) "Roadway rest area" or "Rest area" means any building, or buildings, or grounds, parking areas, including toilet, hand washing, water supply and wastewater facilities intended for the accommodation of people using such facilities while traveling on public roadways. This includes rest areas, welcome centers, and rest stops.

### R392-401-6. Wastewater Disposal Requirements.

(1) The operator shall ensure that sewer services are made available to roadway rest area patrons.

(2) Sewer systems for use by roadway rest area patrons shall be designed, installed, and operated according to the requirements set forth by:

(a) Plumbing Code;

(b) The Utah Department of Environmental Quality, Division of Water Quality under Title R317-4;

(c) local health department regulations; and

(d) the local sewer district having jurisdiction.

(3) All wastewater shall be discharged to a public sanitary sewer system whenever practicable.

(4) Where connection to a public sanitary sewer is not practicable, wastewater shall be discharged to:

(a) an approved onsite wastewater disposal system; or

(b) a vault privy which shall be located, constructed, and maintained according to the requirements of Rule R317-560 and local health department regulation in such a manner that:

(i) Users do not contact waste matter deposited;

(ii) Access to the vault privy interior or vault is minimized for flies, insects, rats, and other animals;

(iii) Surface or ground water cannot enter the vault, either as runoff or as flood water;

(iv) The waste material in the vault privy cannot contaminate a water supply, stream, or body of water; and

(v) Odors are minimized both inside and outside the vault privy structure.

(5) The operator shall submit all required plans for the construction or alteration of an onsite wastewater disposal system in accordance with Title R317.

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

On Tue, Nov 10, 2020 at 12:01 PM Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)> wrote:

Orion,

Can you point us to a code section we can review for this requirement? The code would aid us in the right direction and ensure we provide a compliant plan vs an interpretation. Is the parking lot being considered as a rest stop?

Also until the well and septic are finalized, is a temporary restroom acceptable for the parking lot in the interim? Something similar to this: <https://royalrestroomsmountainwest.com/restrooms-%26-showers>  
Showers would not be installed, but ADA compliant RRs.

Then once the Phase 2 amenities are completed and well/septic approved we would install permanent restrooms.

Thank you,

**Josh Lyons**  
Project Manager

**GPD GROUP**  
ARCHITECTS • ENGINEERS • PLANNERS  
T: 330.572.2211 / M: 330.388.8395 / F: 330.572.2101  
520 South Main Street, Suite 2531, Akron, OH 44311  
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**From:** Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>  
**Sent:** Monday, November 9, 2020 6:30 PM  
**To:** Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>  
**Cc:** Sheets, Zach <[zsheets@gpdgroup.com](mailto:zsheets@gpdgroup.com)>

**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313

This project will need restroom facilities.

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

On Mon, Nov 9, 2020 at 1:39 PM Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)> wrote:

Orion,

Good afternoon. I wanted to reach back out regarding this project for further discussion. Rivian is extremely excited about this project and what the future at this location holds. As such, they would really like to move forward with Phase 1 of the site, which is limited to providing electric charging parking spaces. There may be 30-40 spaces as part of Phase 1. For only parking spaces, with no retail amenities or buildings, does the Health Department require restroom facilities?

We are trying to make a determination on when we need to get consultants under contract for design of the septic system and well.

Thank you for any feedback you can provide.

Respectfully,

**Josh Lyons**  
Project Manager

**GPD GROUP**

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**From:** Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>  
**Sent:** Tuesday, October 27, 2020 8:27 AM  
**To:** Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>  
**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313

The onsite wastewater application is here  
<https://www.seuhealth.com/environmental-health>

Coreen's number is 801-699-2055

On Tue, Oct 27, 2020 at 1:48 AM Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)> wrote:

I can also only find online a permit for a large wastewater system. On the phone you mentioned a small wastewater permit. Can you send me a copy of that form or a link to where I can find it at? Just looked for the review application that would need provided with the design documents.

Thanks!

**Josh Lyons**  
Project Manager

**GPD GROUP**

ARCHITECTS • ENGINEERS • PLANNERS  
T: 330.572.2211 / M: 330.388.8395 / F: 330.572.2101  
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**From:** Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>  
**Sent:** Thursday, October 22, 2020 5:19 PM  
**To:** Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>  
**Subject:** Re: Rivian Automotive Project - US Highway 191 North of 313

The system will need to be designed by an onsite wastewater designer that holds the correct certification level for the type of system needed. See this list to find a professional: <https://documents.deq.utah.gov/water-quality/certification/DWQ-2017-000801.pdf>

Orion Rogers, M.S. Geology, REHS  
Environmental Health Director  
Southeast Utah Health Department  
Office: 435-259-5602  
Cell: 801-557-6978

On Thu, Oct 22, 2020 at 12:03 PM Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)> wrote:

Mr. Rogers,

Good afternoon. I received your name from Grand County Planning Department and wanted to reach out and discuss a project I am involved with that will be submitted in the very near future for Planning approvals.

Rivian Automotive is an all-electric vehicle manufacturer and will be rolling out our all electric Amazon Prime Vans, R1T Truck, and R1S SUV the middle of 2021. They are currently in the process of purchasing 5.5 acres (Parcel #04-020-0042) just north of highway 313. The goal is to change the way electric vehicle driver's view adventure and want to enable travel to key destinations such as Moab. Not only would this location enable charging solutions, but there is a plan to incorporate some basic amenities such as restrooms, seating area to enjoy the views, and basic vending (grab and go style with healthier options, not chips and candy bars).

As I also understand the property would require a septic system for sanitary. I wanted to discuss the design and permitting required for waste water and your expectations.



Respectfully,

**Josh Lyons**  
Project Manager

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**Subject:** RE: Rivian Automotive Project - US Highway 191 North of 313 - Temporary Restroom Accommodation - Project Phase 1  
**From:** "Whitney, Zachary" <zwhitney@gpdgroup.com>  
**To:** Bill Hulse <bhulse@grandcountyutah.net>, Cole Cloward <ccloward@grandcountyutah.net>, Mila Dunbar-Irwin <mdunbarirwin@grandcountyutah.net>  
**Cc:** "Sheets, Zach" <zsheets@gpdgroup.com>, Orion Rogers <orogers@utah.gov>, Jonathan Dutrow <jdutrow@utah.gov>, "Lyons, Joshua" <jlyons@gpdgroup.com>  
**Date Sent:** Wednesday, November 18, 2020 1:14:45 PM GMT-07:00  
**Date Received:** Wednesday, November 18, 2020 1:14:55 PM GMT-07:00

\*\*Disregard the previous message\*\*

Good Afternoon, Mr. Hulse & Ms. Irwin!

This is Zachary Whitney with GPD Group. I will be taking point on a large majority of coordination efforts with Grand County for the Rivian Automotive Project located along US Highway 191, North of 313:



Rivian Automotive is an all-electric vehicle manufacturer and will be selling only all-electric American-made pickup trucks.



Rivian Automotive is an all-electric vehicle manufacturer and will be rolling out our all electric Amazon Prime vans, R1T Truck, and R1S SUV the middle of 2021. They are currently in the process of purchasing 5.5 acres (Parcel #04-020-0042) just north of highway 313. The goal is to change the way electric vehicle driver's view adventure and want to enable travel to key destinations such as Moab. Not only would this location enable charging solutions, but there is a plan to incorporate some basic amenities such as restrooms, seating area to enjoy the views, and basic vending (grab and go style with healthier options, not chips and candy bars).

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No retail amenities will be installed with Phase 1.

**Phase 2: Rough Scope:**

Installation of additional (59) Rivian electric vehicle charging spaces & retail amenities.

**We are needing to determine if there will be a requirement for temporary restroom installation during Phase 1 of this proposal. The State Health department notified us that temporary restrooms would be acceptable for Phase 1 installation if required by the County Building Department.**

**Based on the scope of work for Phase 1 above, will the project be required to include temporary restroom installation?**

Please let us know as soon as you are able on this. Thank you for the assistance.

Best,

Zachary Whitney | Energy Team | [GPD GROUP](#)  
X: 7397 / D: 206-204-7397

---

**From:** Whitney, Zachary

**Sent:** Wednesday, November 18, 2020 12:11 PM

**To:** Bill Hulse <bhulse@grandcountyutah.net>; Cole Cloward <ccloward@grandcountyutah.net>; Mila Dunbar-Irwin <mdunbarirwin@grandcountyutah.net>

**Cc:** Sheets, Zach <zsheets@gpdgroup.com>; Orion Rogers <orogers@utah.gov>; Jonathan Dutrow <jdutrow@utah.gov>; Lyons, Joshua <jlyons@gpdgroup.com>

**Subject:** RE: Rivian Automotive Project - US Highway 191 North of 313 - Temporary Restroom Accommodation - Project Phase 1

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**Phase 2:**

with Phase 1 only including the installation of (3) EV Charging Spaces. There will be no retail amenities installed during Phase 1. **We are needing to determine if there will be a requirement for temporary restroom installation during phase 1 of this proposal. The State Health department notified us that temporary restrooms would be acceptable for Phase 1 installation if required by the County Building Department.**

**Based on the scope of work for Phase 1**

Zachary Whitney | Energy Team | [GPD GROUP](#)  
X: 7397 / D: 206-204-7397

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**From:** Orion Rogers <orogers@utah.gov>

from: Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>  
Sent: Tuesday, November 10, 2020 11:26 AM  
To: Lyons, Joshua <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>; Bill Hulse <[bhulse@grandcountyutah.net](mailto:bhulse@grandcountyutah.net)>; Cole Cloward <[ccloward@grandcountyutah.net](mailto:ccloward@grandcountyutah.net)>; Bradon Bradford <[bbradfor@utah.gov](mailto:bbradfor@utah.gov)>; Jonathan Dutrow <[jdutrow@utah.gov](mailto:jdutrow@utah.gov)>; Mila Dunbar-Irwin <[mdunbarirwin@grandcountyutah.net](mailto:mdunbarirwin@grandcountyutah.net)>; Christina Sloan <[csloan@grandcountyutah.net](mailto:csloan@grandcountyutah.net)>; Hailey Gardner <[haileygardner@utah.gov](mailto:haileygardner@utah.gov)>  
Cc: Sheets, Zach <[zsheets@gpdgroup.com](mailto:zsheets@gpdgroup.com)>  
Subject: Re: Rivian Automotive Project - US Highway 191 North of 313

Hi Josh,

So long as the portable restroom is ADA compliant and meets any rules or regulations that the building or county (included in this email) may have I would be OK with using them so long as there is a servicing contract with a local pumper.

See the following code references:

## Rule R392-401. Roadway Rest Area Sanitation.

### R392-401-3. Definitions.

For the purposes of this rule, the following terms, phrases, and words shall have the meanings herein expressed:

(5) "Roadway rest area" or "Rest area" means any building, or buildings, or grounds, parking areas, including toilet, hand washing, water supply and wastewater facilities intended for the accommodation of people using such facilities while traveling on public roadways. This includes rest areas, welcome centers, and rest stops.

### R392-401-6. Wastewater Disposal Requirements.

(1) The operator shall ensure that sewer services are made available to roadway rest area patrons.

(2) Sewer systems for use by roadway rest area patrons shall be designed, installed, and operated according to the requirements set forth by:

(a) Plumbing Code;

(b) The Utah Department of Environmental Quality, Division of Water Quality under Title R317-4;

(c) local health department regulations; and

(d) the local sewer district having jurisdiction.

(3) All wastewater shall be discharged to a public sanitary sewer system whenever practicable.

(4) Where connection to a public sanitary sewer is not practicable, wastewater shall be discharged to:

(a) an approved onsite wastewater disposal system; or

(b) a vault privy which shall be located, constructed, and maintained according to the requirements of Rule R317-560 and local health department regulation in such a manner that:

(i) Users do not contact waste matter deposited;

(ii) Access to the vault privy interior or vault is minimized for flies, insects, rats, and other animals;

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Thank you,

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Project Manager

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I can also only find online a permit for a large wastewater system. On the phone you mentioned a small wastewater permit. Can you send me a copy of that form or a link to where I can find it at? Just looked for the review application that would need provided with the design documents.

Thanks!

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professional: <https://documents.deq.utah.gov/water-quality/certification/DWQ-2017-000801.pdf>

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As I also understand the property would require a septic system for sanitary. I wanted to discuss the design and permitting required for waste water and your expectations.







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**Subject:** RE: Rivian Automotive Project - US Highway 191 North of 313 - Temporary Restroom Accommodation - Project Phase 1

**From:** "Whitney, Zachary" <[zwhitney@gpdgroup.com](mailto:zwhitney@gpdgroup.com)>

**To:** Bill Hulse <[bhulse@grandcountyutah.net](mailto:bhulse@grandcountyutah.net)>, Cole Cloward <[ccloward@grandcountyutah.net](mailto:ccloward@grandcountyutah.net)>, Mila Dunbar-Irwin <[mdunbarirwin@grandcountyutah.net](mailto:mdunbarirwin@grandcountyutah.net)>

**Cc:** "Sheets, Zach" <[zsheets@gpdgroup.com](mailto:zsheets@gpdgroup.com)>, Orion Rogers <[orogers@utah.gov](mailto:orogers@utah.gov)>, Jonathan Dutrow <[jdutrow@utah.gov](mailto:jdutrow@utah.gov)>, "Lyons, Joshua" <[jlyons@gpdgroup.com](mailto:jlyons@gpdgroup.com)>

Date: Sent: Wednesday, November 10, 2020 1:10:17 PM GMT-07:00

Good Afternoon, Mr. Hulse & Ms. Irwin!

This is Zachary Whitney with GPD Group. I will be taking point on a large majority of coordination efforts with Grand County for the Rivian Automotive Project located along US Highway 191, North of 313:



Rivian Automotive is an all-electric vehicle manufacturer and will be rolling out our all electric Amazon Prime Vans, R1T Truck, and R1S SUV the middle of 2021. They are currently in the process of purchasing 5.5 acres (Parcel #04-020-0042) just north of highway 313. The goal is to change the way electric vehicle driver's view adventure and want to enable travel to key destinations such as Moab. Not only would this location enable charging solutions, but there is a plan to incorporate some basic amenities such as restrooms, seating area to enjoy the views, and basic vending (grab and go style with healthier options, not chips and candy bars).

This proposal is being split into (2) different phases:

**Phase 1:**

Installation of (3) Rivian Electric Vehicle charging spaces. This includes electrical infrastructure for the (3) stations, along with future installations.

**Phase 2:**

with Phase 1 only including the installation of (3) EV Charging Spaces. There will be no retail amenities installed during Phase 1. **We are needing to determine if there will be a requirement for temporary restroom installation during phase 1 of this proposal. The State Health department notified us that temporary restrooms would be acceptable for Phase 1 installation if required by the County Building Department.**

**Based on the scope of work for Phase 1**

Zachary Whitney | Energy Team | [GPD GROUP](#)  
X: 7397 / D: 206-204-7397

**From:** Orion Rogers <orogers@utah.gov>  
**Sent:** Tuesday, November 10, 2020 11:26 AM  
**To:** Lyons, Joshua <jlyons@gpdgroup.com>; Bill Hulse <bhulse@grandcountyutah.net>; Cole Cloward <ccloward@grandcountyutah.net>; Bradon Bradford <bbradfor@utah.gov>; Jonathan Dutrow <jdutrow@utah.gov>; Mila Dunbar-Irwin <mdunbarirwin@grandcountyutah.net>; Christina Sloan <csloan@grandcountyutah.net>; Hailey Gardner <haileygardner@utah.gov>  
**Cc:** Sheets, Zach <zsheets@gpdgroup.com>  
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Hi Josh,

So long as the portable restroom is ADA compliant and meets any rules or regulations that the building or county (included in this email) may have I would be OK with using them so long as there is a servicing contract with a local pumper.

See the following code references:

## Rule R392-401. Roadway Rest Area Sanitation.

### R392-401-3. Definitions.

For the purposes of this rule, the following terms, phrases, and words shall have the meanings herein expressed:

(5) "Roadway rest area" or "Rest area" means any building, or buildings, or grounds, parking areas, including toilet, hand washing, water supply and wastewater facilities intended for the accommodation of people using such facilities while traveling on public roadways. This includes rest areas, welcome centers, and rest stops.

### R392-401-6. Wastewater Disposal Requirements.

(1) The operator shall ensure that sewer services are made available to roadway rest area patrons.

(2) Sewer systems for use by roadway rest area patrons shall be designed, installed, and operated according to the requirements set forth by:

(a) Plumbing Code;

(b) The Utah Department of Environmental Quality, Division of Water Quality under Title R317-4;

(c) local health department regulations; and

(d) the local sewer district having jurisdiction.

(3) All wastewater shall be discharged to a public sanitary sewer system whenever practicable.

(4) Where connection to a public sanitary sewer is not practicable, wastewater shall be discharged to:

(a) an approved onsite wastewater disposal system; or

(b) a vault privy which shall be located, constructed, and maintained according to the requirements of Rule R317-560 and local health department regulation in such a manner that:

(i) Users do not contact waste matter deposited;

(ii) Access to the vault privy interior or vault is minimized for flies, insects, rats, and other animals;

(iii) Surface or ground water cannot enter the vault, either as runoff or as flood water;

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