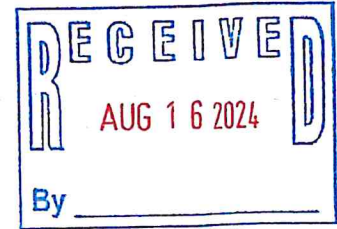


**Cinder Creek Rock & Gravel
224 Berggren Lane
Firth, Idaho 83236**



Reclamation Plan

Owner: Cinder Creek Rock and Gravel LLC.

Land Use: 10 Acres

Extract Gravel for Local, State and Federal Projects
Overburden will be used to create the Berm
Stockpile any additional Topsoil
Reclaim land back to grasslands

Legal:

Parcel: RPO 0399101

Erosion Control:

Best Management Practices will be employed to control sediment.
BMP's to include Earthen Berm, there already exists a natural occurring lava berm around the pit with the exception of the south border where the berm will go.
Seeding the Earth Berm with Crested WheatGrass.
SWPPP may be filled with the EPA if deemed necessary/
Nonpoint sources of water shall be contained onsite and dealt with by evaporation and seepage.
Precipitation averages 10 - 18" annually.

Operations of Source

Excavation and Extraction

Excavation and extraction will occur on the proposed footprint of 10 acres. The crushing and stockpiling area will be on the pit floor throughout the life of the pit. This will minimize visual and noise impact. Approximately 12 Acres will be affected the first year.

The plan is to stockpile and extract the material necessary to properly bank, soil and reseed the area with native grasses. The Top soil will be at a depth of no less than 4 inches.

Depth of the excavation presently is 20 feet, any additional depth or expansion will be permitted through Bingham County.

BMP's in addition to the earth berm will be cat-walked and then seeded with certified weed free crested wheatgrass or native mix used for other projects in the area.

An access road already exists off Berggren road adjoining the Cattle Feedlot all the way to the pit opening. The pit will have a circular road that runs back and rejoins the existing dirt road exiting on Bergeron road.

If fuel tanks are temporarily used they will be in the pit area for staging and equipment parking within the 10 Acres on the property. The Tanks will be dual lined tanks or have the proper secondary containment measures. All chemicals will be stored according to local and federal laws.

Access will be from Berggren Road to the pit. The overburden, 1 to 5 feet deep on the 10 Acres, will be used to build the berms, any excess will be stockpiled for use or sale. Berms will be seeded with wheatgrass to minimize erosion. Waste will be dealt with by labeling and disposing of at local waste acceptance agencies.

Water Discharge or Stormwater Discharge Plan: The closest canal is approximately 687.53 meters or 2255.68 feet away from the Pit. There are no other streams, canals or rivers in close proximity to the Pit. All stormwater will be absorbed into the ground via seepage or dissipate through evaporation. Therefore an MSGP will not be needed or filed.

The pit is not in close proximity to the well and it is anticipated it will have no impact on the well, ground, sub water tables or above ground water sources. No ground water will be encountered. Operational Slopes will be at 3H:1V.

Dust will be controlled at all times via water mitigation throughout the pit. Noxious weeds will be controlled on site during operations and 1 year following final reclamation. No woods, metal, asphalt or garbage will be used as backfill.

Approximate dates for opening the pit are late September or October 2024.

Final Reclamation

Final Reclamation will see the final slopes on applicable sides, non Lava, shall be 3:1 or 35° with the floor left in a smooth uniform condition suitable for farming, construction operations or commercial development.

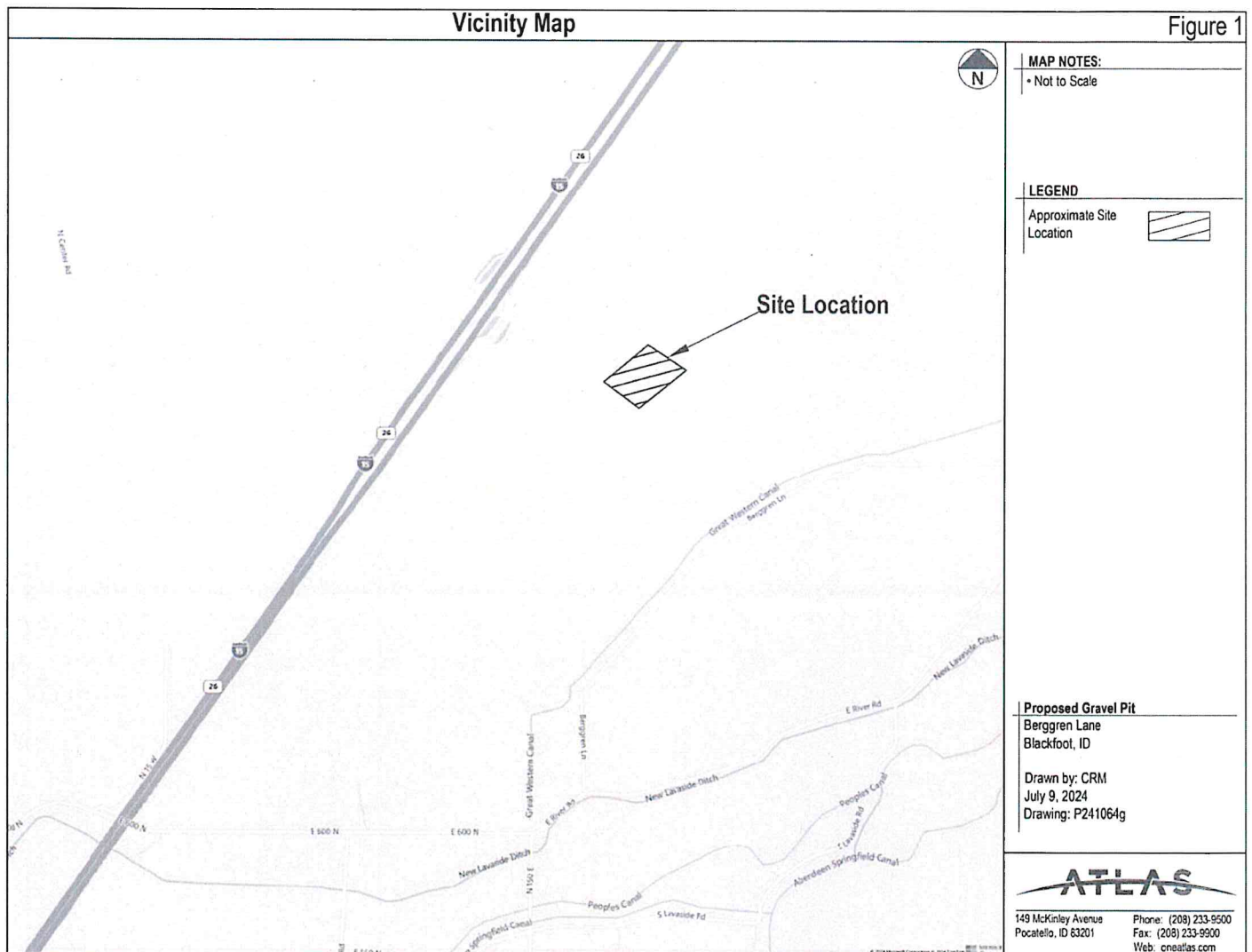
Stockpiled topsoil and other materials will be placed on the slopes and floor to even them out and then all areas will be seeded with crested wheatgrass & or Bluebunch Wheatgrass (*Pseudoroegneria spicata*) at a cost of \$13.95/lb at 4lbs/acre = \$55.80/Acre of seed. The floor and walls will have a uniform layer of topsoil to support and sustain native grass growth. The entire disturbed area will be fertilized with composted manure. Seeding will be done by hand to give the area a more natural look. Labor rates of \$18/H by 4 laborers at 4 hours each is 16 hours X \$18/Hour = \$288

With a stockpile of the material necessary to properly bank, soil and reseed the area with native grasses a Bulldozer would spread and bank the soil to specifications and the Topsoil will be spread at a depth of no less than 4 inches. If topsoil is not available topsoil will be brought in to reach the 4" depth required prior to the wheatgrass planting.

Topsoil is \$12/Ton and to reclaim 10 Acres at a width and depth of 660.33 feet it comes to 5,377.77 tons of topsoil that would be needed at a cost of \$64,533.24. A Dozer owned by the Pit will be used to spread the topsoil.

All access roads will remain in place for future access. If a third party were to come in to reclaim the disturbed areas and plant it would cost approximately \$18,000 without topsoil purchase and with \$82,533.24.

Vicinity Map: Topography or Quadrangle Map of the Pit area

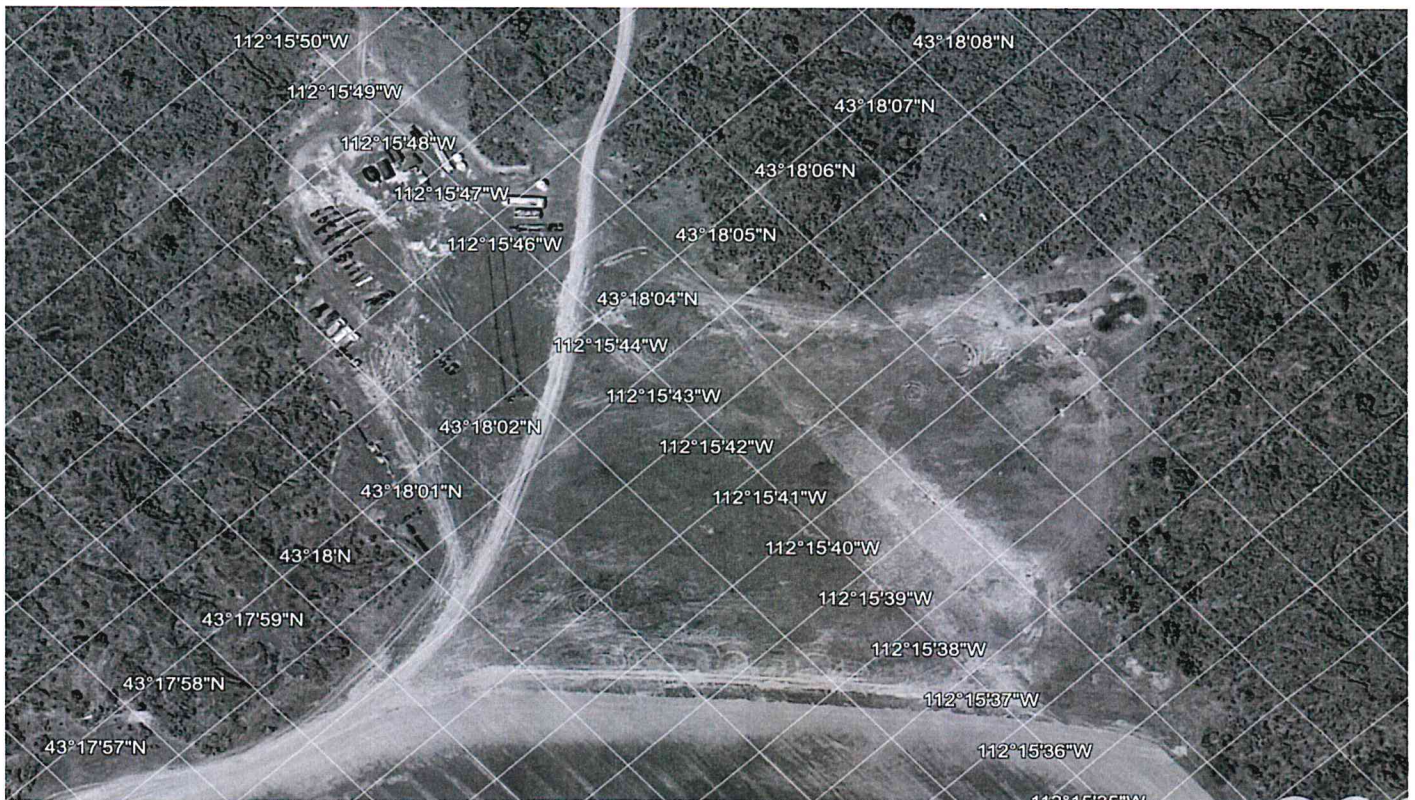


Site Map

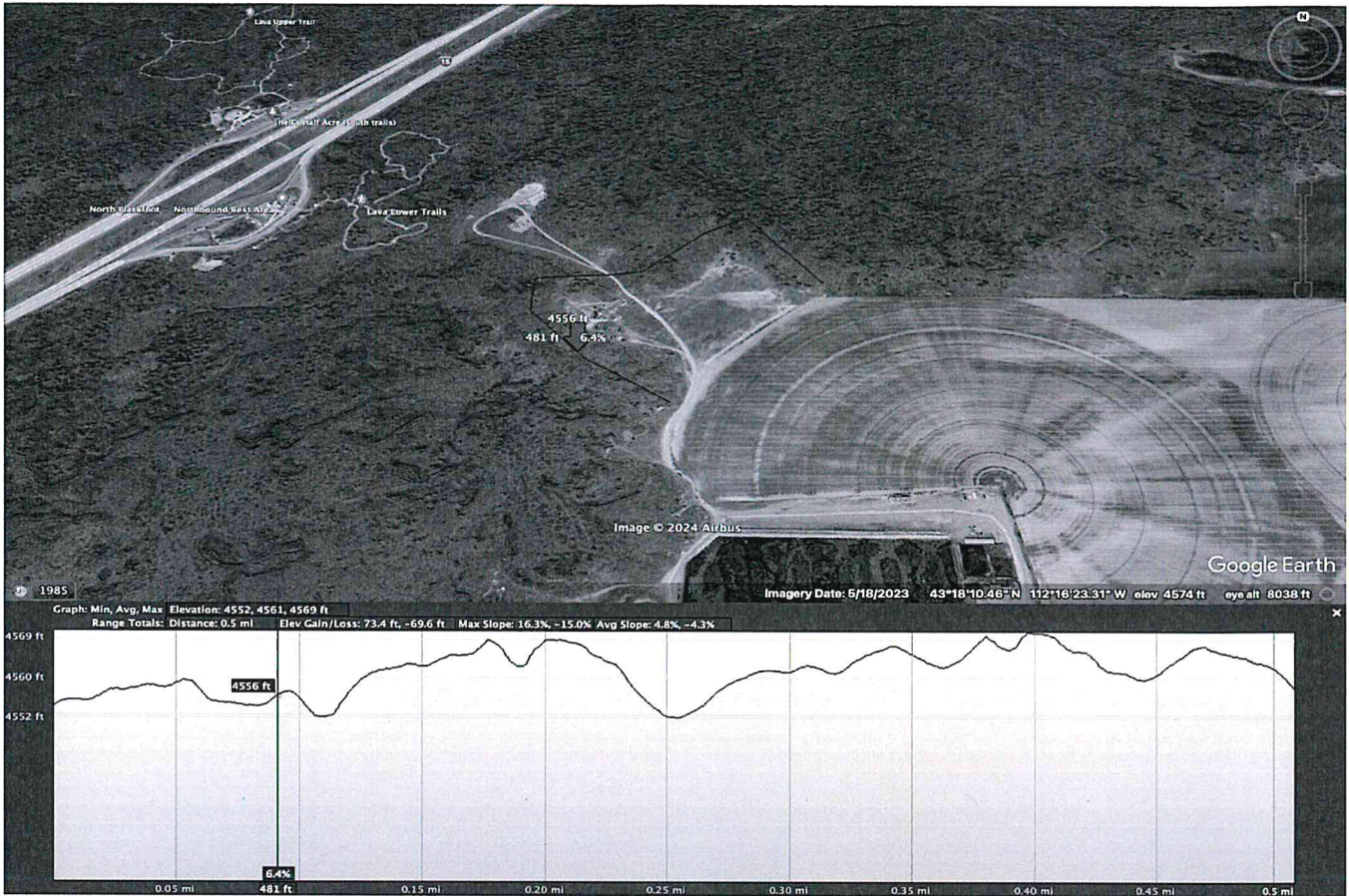
Figure 2



Latitude and Longitude of Proposed Pit:



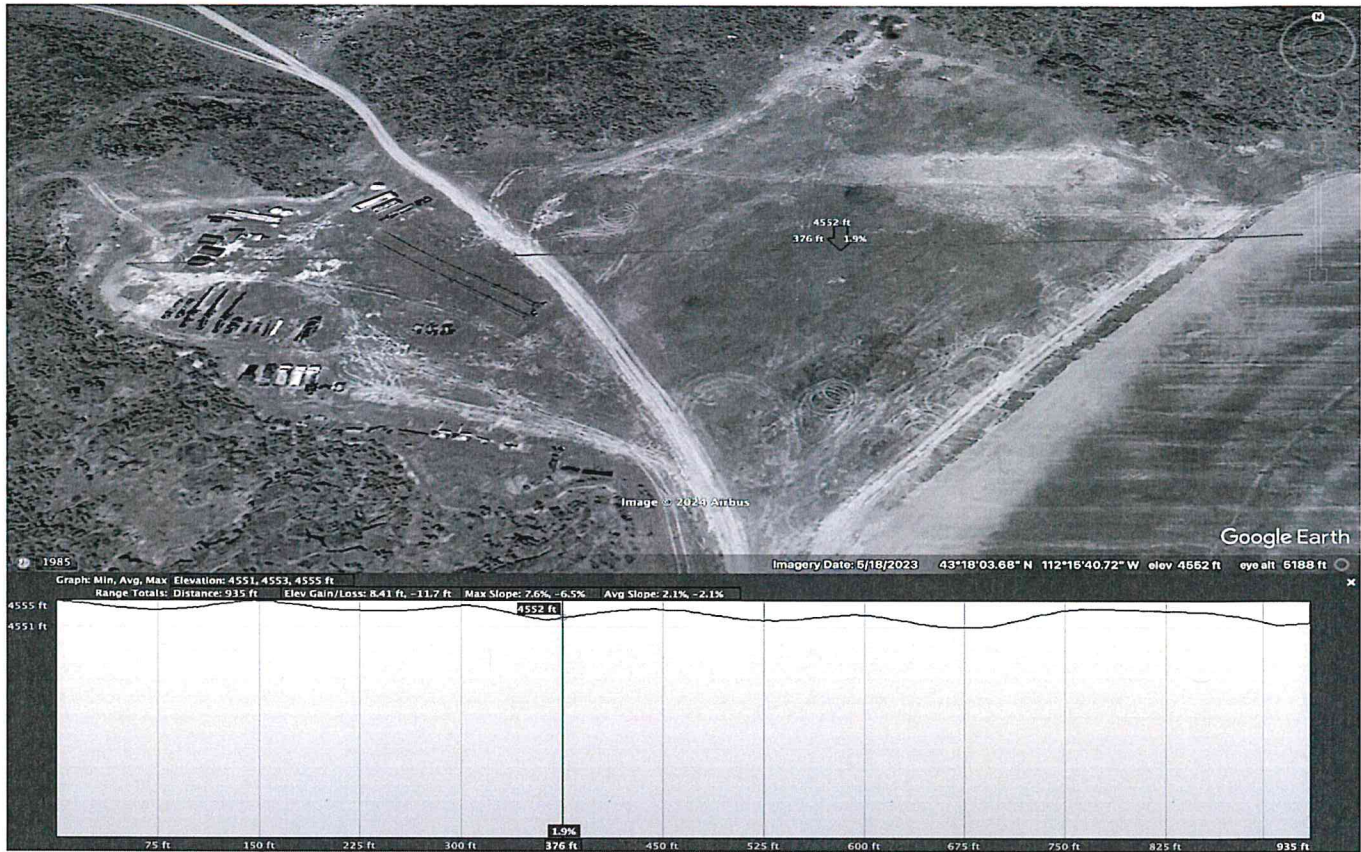
Cross Section of the Surrounding Lava Rock



Cross Section of Pit North to South Elevation



Cross Section of Pit East to West Elevation



Site Map & Industrial Area of Activity: The proposed gravel pit site is approximately 10 Acres. Lava rock covers 60% of the Pit with the exception of the other 30% to the southeast, south and slightly southwest area. These areas will be built up to the required 8 foot berm to help mitigate noise, dust and visual disturbance. The overburden consists of 1 to 6/6 feet of soil and this will be utilized to make the berm. It is anticipated that all the soil or overburden in the 10 acres will be needed to create this berm. If any remains it will be stockpiled for sale or utilized for road solidification or expansion where required to improve traffic safety within the pit.

Berm/Visual Barrier: The proposed 8 foot berm will be approximately 219.47 m or 720.05 feet or 0.14 Miles. The yellow line indicates the proposed berm area.



Impact on adjacent lands immediately and in the year to come:

The proposed pit will also be a good neighbor in the community by providing visual barriers in addition to the lava rock surrounding it to reduce impact not only visibility but by aggressively addressing and controlling fugitive dust so there is little or no impact to the area around the pit. There is a significant distance from any homes and so the dust and noise produced by the Pit will have negligible impact to anyone in the vicinity. The dust is being mitigated by water and the noise distribution and dissipation will become negligible based on decibel disintegration over distance as noted in the Bingham County Narrative.

Reclamation of the Berms/Barriers: All berms will be dispersed into and around the pit to provide native soil prior to planting the native species of grass and flowers.

Reclamation & Elimination of Hazards that effect Humans and Animals: The berm will be distributed and aid in the sloping of the 35 degree sloped banks. This will aid in the safety on all sides, so if the slopes and or banked pit boundaries are engaged by human and animal traffic it will provide a safer environment to use.

Air Quality: As the Pit opens the Feedlot will be closing, October 30th to be exact, and this will do several things: first it will eliminate copious amounts of dust from the cattle in these pens, which impacts air quality, and in addition the locals will no longer be subject to the odiferous smells emanating from the cattle feces, which may be made worse by wind or weather storms. The Pit will be a much better neighbor with significantly less dust and air pollution. There is also minimal risk to surface or ground water quality. Overall the footprint from the gravel pit will be much smaller in comparison.

Air Quality - IDAPA 675-676: Standards for FUEL Burning equipment - Particulate Matter and standards for New Sources. The fuel burning equipment will include the Crusher, Conveyors and Heavy Equipment to include, Dozer, Excavator, Water Truck, Diesel Trucks entering and exiting the Pit. None of these sources combined will discharge the maximum rated output of 10 Million BTU's per hour or more per October 1st 1979 ruling on particulate matter. Therefore air quality will be minimally impacted from a smaller gravel pit such as the one we propose.

Air Quality Crusher: The Crusher and all conveyors will have sprinklers on them to control the fugitive dust so as not to impact air quality and impede the dust from traveling out of or away from the pit area. The berms and lava rock will also act as a barrier for dust control.

Ground Water/Well: The closest source of water is a well located behind the proposed office in the middle of the feedlot. This is a clean source of water, uncontaminated by the feedlot that has been there over a decade. The well is also approximately 1000 feet from the proposed pit. The well is tested regularly as required and will continue to be tested to ensure the source stays uncontaminated.

MSGP: Email to David Hotz, June 28th 2024; IPDES General Permit Writer, Hello Guy, For your proposed pit, it does appear to be close to some streams/canals that flow into the Snake River. If you are pursuing MSGP coverage, I'm assuming you know that stormwater from your proposed site does discharge off of the property. in that case, permit coverage is not necessary since there would be no discharge. Let me know if there are any specific questions or concerns, and feel free to give me a call to discuss any of the above. Thank you,

David Hotz | IPDES General Permit Writer, Idaho Department of Environmental Quality, 1410 N. Hilton St., Boise, ID 83706, Office:, (208) 373-0178, David.Hotz@deq.idaho.gov

Noise & Vibrations Pollution: Based on current standards and charts the noise or vibrations associated with the pit will not exceed reasonable levels. Vibrations dissipates within 100 feet and the noise produced by pit equipment dissipates at a distance of 200 to 600 feet. The noise generated from the pit equipment becomes inaudible or negligible at the described distance. The closest dwelling to the pit is approximately .8 miles or 4223 feet away and so any noise produced by the pit will not impact any of the surrounding neighbors.

The equipment used and the approximate decibels they make are listed below:

1. Dozer - 73 dB
2. Excavator - 90 dB
3. Crusher - 85
4. Conveyor Belts - 45 to 50 dB
5. Pit Trucks - 76 dB
6. End Dumps - 76 dB
7. Diesel Truck w/Side Dumps - 70 up to 100 dB
8. Diesel Truck w/Belly Dumps - 70 up to 100 dB

Paving: In the future some of the entrance roads may be paved for convenience and to aid in dust control. Currently the Gravel Road is relatively free from dust production at the designated speeds of 15 MPH, however if needed a topical spray may be used such as MgCl to inhibit dust formation on the ingress and egress roads.

Residential Proximity: The closest structure is the house and trailer located at the feedlot. These will be used for the operation of the pit. The next closest house or dwelling is over 4223 feet away. There are truly no close proximity neighbors.

Roads within the Pit: The pit roads will be graveled and watered regularly, twice a day, or as needed, to keep dust down. If there is a need for additional water spray this will be done as needed to keep the dust suppressed. Another option is if the ingress and egress roads are found to be causing excessive dust a spray such as Magnesium Chloride spray may be used, whenever necessary, to harden the dirt road surfaces and stop fugitive dust.

Water: Water will be used for dust control at the Pit. See Water Sources for a definition of what water will be used. A sprinkler head will be placed at every junction of the Crusher, conveyor belt and staging stockpiles of aggregate, especially if they are dust producing. This will efficiently reduce dust to a minimum or acceptable standards as set forth in IDAPA 650. This will be monitored and changed accordingly when need be or equipment is moved.

Water Safety: The property has a well that is located just next to the Gravel Pit in the middle of the FeedLot behind the office. The Feed lot has been there many years and has not impacted the well water quality to date and it is tested as required by the state.

The Feedlot will be vacant as of the first of November and so this potential source of possible contamination will be gone and the Pits proximity to the well is not likely to have any impact on the well at all and we will continue to monitor the well and test as required by the state and county to ensure this ground water source remains uncontaminated. If anything changes we will ensure protocols are in place to alert state and local government and the DEQ.

Water Sources: A well is maintained on the property adjacent to the pit, the feedlot, owned by some of the Pit owners. An above ground 1 ½ " line will be routed into the pit to provide the necessary 4-6 sprinkler heads on the crusher & conveyor belts as needed to keep the dust down as described under dust in this document.

Water Supply: Water for dust control will be provided by sprinklers placed at the crusher and all conveyor belts, or any area found to create dust. The water will come from groundwater well on the premises.

Water Quality: There is no anticipated use of any chemicals or potential liquid spills, or other substances being utilized by the pit that would endanger the quality of our subsurface water, or groundwater or above ground water. A SOP with all chemicals or hydrocarbons will be kept as a safety protocol and DOT sheets/Hazard Sheets to adhere to any protocols for larger spills, defined in the narrative and reclamation plan, in conjunction with state and local safety data sheets or regulations.

Well Properties:

Location: Behind the proposed office building, in the feedlot, approximately 100 feet to the west of the office location. Approximately 477.58 m and 1566.86 feet from the Pit area.

Depth: Approximately 100 feet deep.

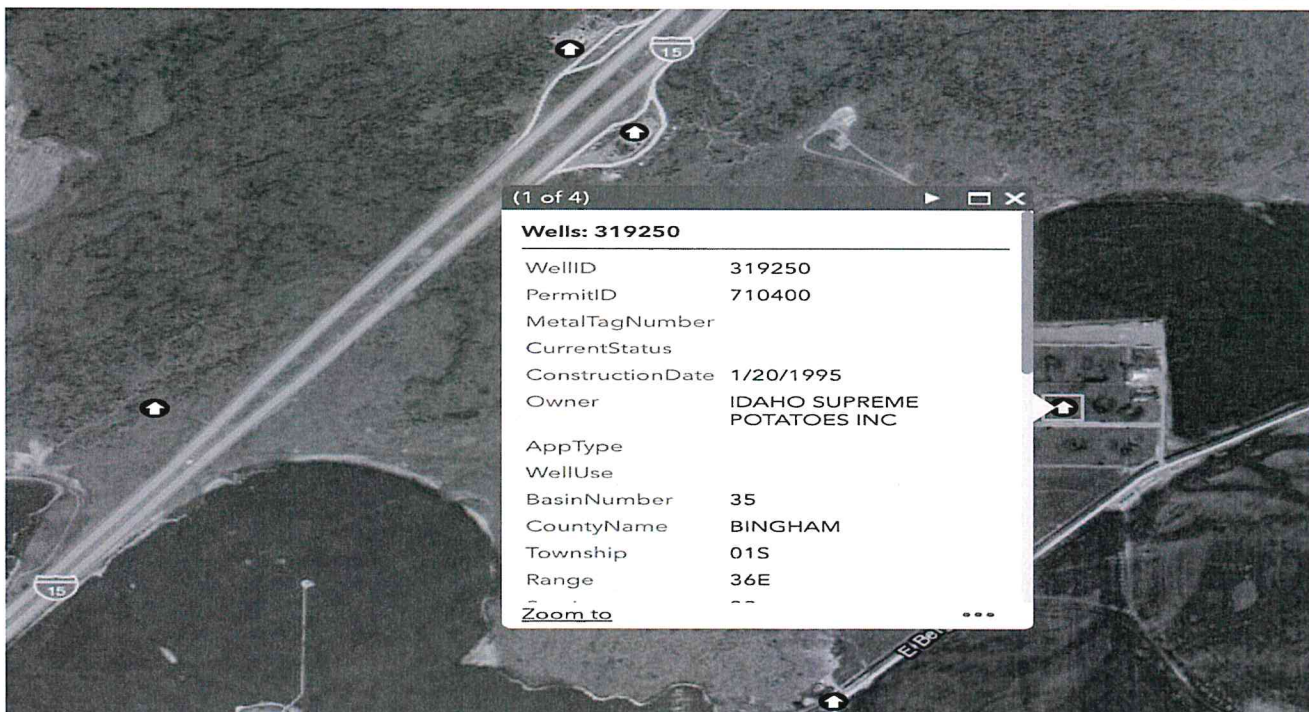
Size: The Well has a 2 inch line for utilization.

Capacity: 100 gallons per hour if needed.

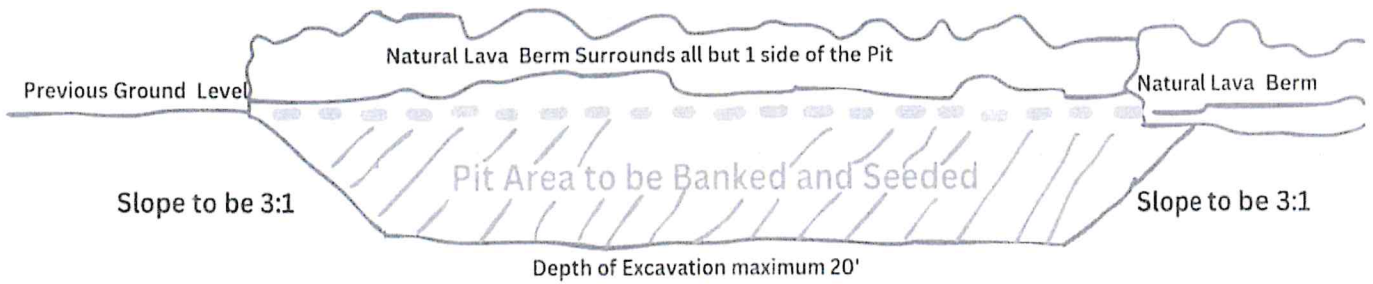
Contamination: This well has never been contaminated and remains a clean source of water. The Feedlot has been in use for over 10 years and has never contaminated the well and the well is located over 1566.86 feet from the Pit area of excavation or use. There is little to no chance that the gravel pit will ever contaminate the well or sub surface water.

Well or Water Usage: Sprinklers usage estimation for Dust Control at a rate of 2-4 GPM x 6 Fan Spray Sprinklers totaling a minimum of 12 GPM to a maximum of 24 GPM is anticipated. The well is sufficient to handle this and the water needs for the office and storage unit. Drinking water and restrooms are anticipated to be less than 50 gallons per day.

Distance to the Well: The distance from the pit to the well is 477.58 m is 1566.86 feet.



Firth/Blackfoot Idaho - Rose Rock & Gravel - Cross Section for Reclamation



Firth/Blackfoot Idaho - Rose Rock & Gravel - Existing Cross Section

