

STATE OF
COLORADO

Eschberger - DNR, Amy <amy.eschberger@state.co.us>

Horton Gravel Pit #1985-135 TR Adequacy Review - Plan Changes

Justin Hersh <hershjt@co.larimer.co.us>

Tue, Sep 1, 2020 at 3:06 PM

To: "Eschberger - DNR, Amy" <amy.eschberger@state.co.us>

Hello Amy,

Here is an updated version of our Mining/Reclamation Plan changes. Please let me know if the added verbiage suffices for future topsoil reserves.

Thanks for your help,
Justin

**Justin Hersh**

Assistant Road and Bridge Director

Road and Bridge Department
Public Works Division
2643 Midpoint Drive Suite C
W: (970) 498-5652 | F: (970) 498-5678
hershjt@larimer.org | www.larimer.org/roads



Horton2020TRMemoPlanUpdates.docx

70K

MEMORANDUM

TO: Colorado Division of Reclamation, Mining and Safety

FROM: Justin T Hersh, Larimer County Road and Bridge

DATE: August 18, 2020

RE: Horton Gravel Pit #1985-135 Technical Revision Mining/Reclamation Plan Updates

As Larimer County has been in the process of submitting a request for a Technical Revision, it has become obvious that the current Mining and Reclamation Plans for Horton Gravel Pit need to be updated. The updates are as follows:

Mining Plan –

Due to the Sinclair Company buried petroleum line that bisects the property, mining operations will not disturb the ground above or around the pipeline. This has resulted in a plan to mine a separate cell (Cell B), rather than mining westward from the current mined area (Cell A). As the mining commences in Cell B, a drainage pipe will be installed (bored) from the lowest elevation in the southeast portion of Cell B to the western side/slope of Cell A. Said drainage pipe will be routed under the Sinclair Petroleum line. Coordination with Sinclair Oil Corporation for the design and construction of the drainage pipe will happen when practicable.

Mining in Cell B will be a dry operation and happen in westward direction. Mining depths will be 35' to 50'. The cell slopes will be 3'H:1'V or flatter.

Adequate topsoil for reclamation will be stockpiled largely in the form of berms between the required property line setbacks and the top/edge of mined area.

Material processing (screening and/or crushing) will generally happen in the vicinity of the mining operation; processed material will be stockpiled until use just east of the mining/processing area.





Ingress/egress for associated mining equipment, as well as mined/processed material will largely be along the south access road and through the south access gate.

Reclamation Plan-

Due to the inability to mine entirely through the property from the east to the west as in the original Mining Plan, the mining will leave two cells or pits. This will require the reclamation plan to change to allow drainage facilities for the two cells. Cell A (has been fully mined, and is in a state of unreleased reclamation) has a drainage pipe that leaves the cell in it's designed low point along the north side. Said drainage pipe proceeds northeast and outlets in a location that allows the discharge to disperse/fan across the northeast portion of the property. A typical of the Cell A drainage pipe has been submitted with this Technical Revision request (Exhibit A). The Cell A drainage pipe will remain as part of the reclamation of the property.

As the mining of Cell B will cause a depression/pit/cell, a drainage pipe will be required there also. Said pipe will inlet at the lowest elevation of Cell B (at easternmost point), and drain to the west by southwest slope of Cell A. The design and construction of the drainage pipe will occur when needed/practicable – and before mining commences in Cell B.

All slopes will be graded to 3'H:1'V or flatter. Reserved topsoil will be graded and placed at a depth of 4" to 6" on all disturbed areas. Due to the nature of the native topsoil, 4" to 6" depth of such topsoil has proven to be adequate for growth of the approved seed mix – as evidenced by successful revegetation in the reclaimed portion of the site (Cell A). All disturbed areas will be graded and covered with 4" to 6" of topsoil; then seeded, mulched/crimped and fertilized per current reclamation plan and subsequent Technical Revisions.

EOR

