



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

July 16, 2018

Cameron Mang
SEMA Construction, Inc.
7353 S. Eagle Street
Centennial, Colorado 80112

**RE: 6th Avenue Pkwy Borrow Pit, DRMS Application No. M-2018-035
Adequacy Review #1**

Dear Mr. Mang,

The Colorado Division of Reclamation, Mining, and Safety (Division) found the above referenced application to be complete for the purpose of considering the application filed on July 12, 2018. The Division has reviewed the application and had identified the following items that will need to be addressed prior to the Division's approval of the application:

Rule 6.3.1, Exhibit A – Legal Description and Location Map

1. The metes and bounds survey description provided in Exhibit A does not indicate what the True Point of Beginning (POB) is. Please provide the location of the POB.
2. The vicinity map submitted with the application is a small copy of the 1:24000 scale USGS topographic map with an aerial photo background image. The site's location is very small and the access roads are not visible or discernable. The Exhibit E maps do not show existing roads that would allow access to the pit access road. Please either submit a standard size 1:24000 US Geological Survey Map meeting the requirements of Rule 6.3.1(3) or submit a map of sufficient scale to easily determine the location of the affected land and the existing and proposed access routes to the used in connection with the mining operation.

Rule 6.3.2, Exhibit B – Site Description

3. The gravel road owned by the City of Aurora according to Page 30 of the application is not depicted on the Exhibit E map. Please revise this map to depict the location of this gravel road.

Rule 6.3.3, Exhibit C – Mining Plan

4. Upon review of the soils information provided in Exhibit B and applicable soil series descriptions, the BvC, NrB and TrE soil series have a viable A horizon 5 to 6 inches deep and BA and/or Bt horizon material below the A horizon material found at depths between 5 to 24 inches. The Operator should salvage both the A and BA/Bt horizon material for use as growth medium.



These materials should be salvaged and stored separately. Please revise the soil salvaging plan to include salvaging the A and applicable B horizon materials. Horizon Btk or Bk will not need to be salvaged for reclamation.

5. The mining plan indicates the south eastern pit slopes will be mined to a 4H:1V slope. Exhibit E depicts this slope to be graded to a 3H:1V slope. Either revise the mining plan to indicate the pit slopes will be mined at a 3H:1V slope, or revise the Exhibit E maps to depict the slopes at a 4H:1V ratio.
6. Subpart 10 of section 3.1.5 of the mine plan indicates that SEMA will manage the site as to prevent storm water from coming into contact with any overburden, raw materials, intermediate products, finished products, by products or waste products located at the site. This seems impossible as for at least a six month period overburden such as topsoil will be stockpiled at the site and raw borrow material will be exposed as the excavation occurs. It seems that the need for a stormwater permit issued through the Colorado Department of Health will need to be obtained for this operation. Please commit to obtaining a stormwater permit.

Rule 6.3.4, Exhibit D – Reclamation Plan

7. Based on your response to item #4 above regarding topsoil, please clarify the depth the applicable A and B horizons will be replaced.
8. The reclamation plan indicates once topsoil is replaced it will be prepared for seeding using typical seedbed preparation techniques. Please explain what the applicant believes is typical seed bed preparation techniques.
9. The reclamation plan map depicts the maximum gradient of the reclaimed slopes to be 3H:1V where the narrative indicates the slopes will be reclaimed to a 4H:1V ratio. Please clarify the discrepancy between the reclamation plan map and the reclamation plan narrative regarding the reclaimed slopes.
10. The mining plan on page 32 indicates the access road will be returned to its pre-mine condition and then reclaimed. However, page 48 of the reclamation plan indicates the access road into the site will be left and made to comply with City of Aurora standards for driveways. Please clarify if the access road will remain in place after reclamation.

Rule 6.3.5, Exhibit E – Maps

11. Based on your response to the item above regarding the reclamation of the access road, please remove the access road from the reclamation plan map if the Operator intends to reclaim the access road once mining and reclamation is complete.

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12. On the Pre-Mine/ Mine Site map, please identify the owner of the substance to be mined.
13. Please indicate the direction that construction material extraction will proceed on the Pre-Mine/Mine Site map.
14. Please revise the Pre-Mine/Mine Site map to depict the gravel road that is said to be owned by the City of Aurora.
15. Please revise the reclamation plan map to state what the average thickness of replaced overburden and/or topsoil will be on the affected land.

This concludes the Division's review of the 111c application package. The Division is required to issue a decision on the application by July 27, 2018. If you need additional time to address the Division's adequacy review items please request an extension of the decision date. If you have any questions feel free to contact me at (303) 866-3567, extension 8120.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jared Ebert", with a stylized flourish at the end.

Jared Ebert

Environmental Protection Specialist III