Inspection Photos

03/24/2017

Operator: Bill Barrett Corp #10071

Location ID: 449383

Inspection Doc. Number: 682501788

Weld County, CO

NWSW Section 21 T5N R61W

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Department of Natural Resources

Inspection Photos
Operator: Bill Barrett
Location ID: 449383

Photo 1: Photo taken from the northwest end of the location facing east. Photo shows stormwater and sediment control ditch along perimeter of the location. Ditch in its current condition is satisfactory as a temporary control for this stage of construction, however, ditch is not consolidated and has been constructed with a steep grade. Alternative BMPs will need to be implemented or ditch will need to be upgraded once pad-construction activities have finished. CDOT recommends ditches be constructed with a grade of 2:1.

Photo 2: Photo taken from the northwest end of the location facing south. Photo shows stormwater and sediment control ditch along perimeter of the location. Ditch in its current condition is satisfactory as a temporary control for this stage of construction, however, ditch is not consolidated and has been constructed with a steep grade. Alternative BMPs will need to be implemented or ditch will need to be upgraded once pad-construction activities have finished. CDOT recommends ditches be constructed with a grade of 2:1.

Inspection Photos
Operator: Bill Barrett
Location ID: 449383

Photo 3: Photo taken from the northwest end of the location. Photo shows sediment trap BMP. BMP has filled with sediment and will require maintenance. It appears only large-sized rock aggregate have been utilized to construct the BMP; using only large aggregates can contribute to erosion degradation as stormwater can be accelerated around or under the material, expanding stormwater impacts and rendering the BMP inadequate.

Inspection Photos
Operator: Bill Barrett
Location ID: 449383

Photo 4: Photo taken from the west end of the location facing southwest. Photo shows rocks in the ditch used as a check-dam. The amount of aggregate and size used is insufficient and inadequate; check-dam has been improperly installed. Check-dam has been inundated with sediment and not in proper functioning condition.

Photo 5: Photo taken from the west end of the location facing southwest. Photo shows rocks in the ditch used as a check-dam. The amount of aggregate and size used is insufficient and inadequate; check-dam has been improperly installed. Check-dam has been inundated with sediment and not in proper functioning condition.

Inspection Photos
Operator: Bill Barrett
Location ID: 449383

Photo 6: Photo taken from the southwest end of the location facing north. Photo shows stormwater and sediment control ditch along perimeter of the location. Ditch in its current condition is satisfactory as a temporary control for this stage of construction, however, ditch is incomplete in the southwest corner of the location, has not been consolidated and has been constructed with a steep grade. Alternative BMPs will need to be implemented or ditch will need to be upgraded once pad-construction activities have finished. CDOT recommends ditches be constructed with a grade of 2:1.

Photo 7: Photo taken from the southwest end of the location facing east. Photo shows stormwater and sediment control ditch along perimeter of the location. Ditch in its current condition is satisfactory as a temporary control for this stage of construction, however, ditch is incomplete in the southwest corner of the location, has not been consolidated and has been constructed with a steep grade. Alternative BMPs will need to be implemented or ditch will need to be upgraded once pad-construction activities have finished. CDOT recommends ditches be constructed with a grade of 2:1.

Photo 8: Photo taken from the southeast corner of the location. Photo shows stormwater and sediment control ditch appears shallowly constructed, has become inundated with sediment and requires maintenance.

Inspection Photos
Operator: Bill Barrett
Location ID: 449383

Photo 9: Photo taken from the southeast end of the location facing west. Photo shows stormwater and sediment control ditch appears shallowly constructed, has become inundated with sediment and requires maintenance.

Photo 10: Photo taken from the southeast end of the location facing north. Photo shows stormwater and sediment control ditch along perimeter of the location. Ditch in its current condition is satisfactory as a temporary control for this stage of construction, however, ditch has not been consolidated and has been constructed with a steep grade. Alternative BMPs will need to be implemented or ditch will need to be upgraded once pad-construction activities have finished. CDOT recommends ditches be constructed with a grade of 2:1.

Inspection Photos
Operator: Bill Barrett
Location ID: 449383

Photo 11: Photo taken from the east end of the location facing southwest. Photo shows rocks in the ditch used as a check-dam. The amount of aggregate and size used is insufficient and inadequate; check-dam has been improperly installed. Check-dam has been inundated with sediment and not in proper functioning condition.

Photo 12: Photo taken from the west end of the location facing southwest. Photo shows rocks in the ditch used as a check-dam. The amount of aggregate and size used is insufficient and inadequate; check-dam has been improperly installed. Check-dam has been inundated with sediment and not in proper functioning condition.

Inspection Photos
Operator: Bill Barrett
Location ID: 449383

Photo 13: Photo taken from the northeast end of the location. Photo shows sediment trap BMP. BMP has filled with sediment and will require maintenance. The northeast end of the location appears to be the low end topographically. When a large stormwater event occurs, water will likely concentrate in this corner and flow out of the trap/ditch once capacity has been exceeded. Sediment trap does not have an adequate outlet or outlet protection to allow for proper stormwater discharge.

Photo 14: Photo taken from the northeast end of the location. Photo shows sediment trap BMP. BMP has filled with sediment and will require maintenance. The northeast end of the location appears to be the low end topographically. When a large stormwater event occurs, water will likely concentrate in this corner and flow out of the trap/ditch once capacity has been exceeded. Sediment trap does not have an adequate outlet or outlet protection to allow for proper stormwater discharge.

Inspection Photos
Operator: Bill Barrett
Location ID: 449383

Photo 15: Photo taken from the northeast end of the location facing south. Photo shows stormwater and sediment control ditch along perimeter of the location. Ditch in its current condition is satisfactory as a temporary control for this stage of construction, however, ditch has not been consolidated and has been constructed with a steep grade. Alternative BMPs will need to be implemented or ditch will need to be upgraded once pad-construction activities have finished. CDOT recommends ditches be constructed with a grade of 2:1.

Photo 16: Photo taken from the northeast end of the location facing west. Photo shows stormwater and sediment control ditch along perimeter of the location. Ditch in its current condition is satisfactory as a temporary control for this stage of construction, however, ditch has not been consolidated and has been constructed with a steep grade. Alternative BMPs will need to be implemented or ditch will need to be upgraded once pad-construction activities have finished. CDOT recommends ditches be constructed with a grade of 2:1.

Inspection Photos
Operator: Bill Barrett
Location ID: 449383

Photo 17: Photo taken from the north end of the location facing west. Photo shows stormwater and sediment control ditch along perimeter of the location. Photo shows ditch has not been consolidated and has been constructed with a steep grade. Alternative BMPs well need to be implemented or ditch will need to be upgraded once pad-construction activities have finished. CDOT recommends ditches be constructed with a grade of 2:1.

Inspection Photos
Operator: Bill Barrett
Location ID: 449383

Photo 18: Photo taken from the access road leading north from the location. Photo shows no vehicle tracking BMPs has been implemented to mitigate sediment tracked from the construction site.

Photo 19: Photo taken from access road north of the location. Photo shows area where access road intersects a second location's access road. Photo shows no vehicle tracking BMPs has been implemented to mitigate sediment tracked from the construction site. In addition, vehicle traffic has traveled over the second access road's ditch BMP; equipment traffic should be kept off BMPs to ensure they function properly. Suggest using an alternative BMP (such as a culvert, cattle guard, ramp, etc…) to mobilize equipment over to mitigate potential negative impacts to stormwater BMPs.