

CITY OF ALBUQUERQUE



May 17, 2019

Joshua Dey, P.E.
Adams Engineering
8951 Cypress Waters Blvd
Dallas, TX 75019

**Re: McDonald's – 8315 Montgomery Blvd
Erosion and Sediment Control Plan
Engineer's Stamp Date 4-4-19 (F19E013A)**

Dear Mr. Dey,

Based upon the information provided in your submittal received 5-17-19, the above referenced plan is not approved to be included in the SWPPP or for NOI Documentation review for grading and Building Permit until the following comments are addressed:

1. There is no dimension for the height of the rock check dam or for the size of aggregate to filter the stormwater.

a. Rock check dams can filter stormwater, but the appropriateness of using this type of BMP at a small construction site is not apparent as it has a large footprint which may interfere with grading/demo operations and it is cannot be temporarily removed/reinstalled which may be necessary for the utility connections in the alley or similar.

b. Stormwater Quality would recommend filter /mulch socks since the existing surface is asphalt. Once the demo is complete a filter/mulch sock or silt fence (depending on cut/fill) may be appropriate.

2. Provide existing grades. This assists Stormwater Quality in determining cut/fill at the edges of the site which helps determine the appropriate sediment BMP. An example is that if 2 feet or more of fill is proposed on an edge of the site a filter/mulch sock will not be appropriate as it will be overwhelmed by the amount of fill adjacent to it.

3. A straw wattle is proposed in a drive lane of Montgomery Blvd and at the south end of the alley. See comment 1.a above.

4. A rock check dam is proposed near the northeast corner of the site, which is uphill. Stormwater Quality recommends removal of this proposed BMP.

5. Stormwater Quality realizes that the access easement on the east side is on the uphill side of the site. However, it is difficult to demo/grade along an edge without sediment leaving the site. Stormwater Quality recommends a filter/mulch sock along the eastern edge of the site except where the construction entrance is proposed.

6. In the existing condition there is a retaining wall along the alley along the western edge of the site. See comment #2 above.

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7. For informational purposes, straw wattles will prevent sediment from leaving the site, but they do not allow water to pass through, which causes the stormwater to pond and possibly creating more mud at the site making the soil more difficult to work and may increase the sediment loading on the construction entrance, which then will lead to more maintenance. Filter/mulch socks allow water to pass through which should help minimize mud on the site.

If you have any questions, you can contact me at 924-3420.

Sincerely,

Curtis Cherne, P.E.
Principal Engineer, Stormwater Quality
Planning Dept.

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