

MEMORANDUM

TO: Sarah Porter, City of New Bedford
FROM: Scott Turner *ST*
DATE: April 3, 2017
RE: 50 and 100 Duchaine Boulevard, Stockpile areas

On March 29, I performed site visits of 50 and 100 Duchaine Boulevard and two stockpile sites in the New Bedford Business Park. Below is a summary of my observations at each of these sites. These visits were also attended by Sarah Porter and Christian Farland from Farland Corporation.

50 Duchaine Boulevard

1. Significant work has been performed onsite. My understanding is that work had been ongoing since January. The work was performed under the Order of Conditions previously issued for Parallel Products. Ongoing sitework includes the clearing and excavation of Detention Basin 1, 2, and 3. Shaping of these basins had not yet occurred.
2. Detention Basin 1 had been excavated close to the finished bottom elevation. There was a topsoil and organic layer of soil that remained above the underlying sand and gravel. The topsoil and subsoil should be removed to ensure that the basin can infiltrate to the sand and gravel layer.
3. Additional erosion controls need to be installed around the limits of Detention Basin 2 and 3. There were erosion and sedimentation controls that remained from when these areas had been previously cleared that have deteriorated.
4. All large stones, branches, and other organic materials need to be removed from each detention basin prior to placement of loam and seed.
5. Work was ongoing in the vicinity of the subsurface infiltration system. The proposed subsurface infiltration system is located in an area that is currently a detention basin. In order for the subsurface infiltration system to work properly, the loam and subsoil will need to be removed from the bottom of the basin and clean granular fill needs to be placed below the system to insure it infiltrates as designed.
6. Some clearing has occurred in the footprint of Detention Basin 4. Shaping of the basin has not yet occurred.
7. It does not appear that any of the changes to the piping system have occurred to date.
8. The approved plans include stormceptor water quality units in three locations. During the site visit, Christian Farland mentioned that it was their desire to substitute the three stormceptor units with CDS water quality units. Since the site visits, we have evaluated this request. We recommend that the stormceptor 900 units be replaced with the CDS 2015 model with a two-foot sump. We also recommend that the 450 unit be replaced with the 2015-4 unit with a one-foot sump.
9. We recommend that the site be clean and that care is taken to reduce any sediment being tracked offsite. Regular street sweeping should occur to ensure that sediment is being tracked onto surrounding roads.

100 Duchaine Boulevard

1. Discussions with Christian Farland indicate that ownership and use of 100 Duchaine Boulevard will be changing. There is an Outstanding Order of Conditions for 100 Duchaine Boulevard. The original site engineer, Field Engineering, has requested a Certificate of Compliance, which is being addressed under a separate letter. During the site visit we discussed the fact that there were outstanding items associated with the sitework on the site.

2. We visited the portion of the site that is the subject of an additional Notice of Intent Filing that was reviewed separately by Nitsch Engineering. This work involves the construction of another building on the site in the vicinity of an existing concrete foundation. Based on the site visit, we have no comments regarding the removal of the foundation. However, comments were made on this filing in a letter from Nitsch Engineering dated March 20, 2017. There has been no response filed to those comments.

Stockpile Sites

1. We visited the previously permitted stockpile site located near the rail spur and west of the existing building located at 100 Duchaine Boulevard.
2. There is a dirt/gravel road that provides access to the stockpile area from 100 Duchaine Boulevard. Farland Corporation has placed stone along this road rather than construct a construction entrance as shown on the site plans. There is a much longer stretch of stone along this road than is shown on the plans. The stone needs to be maintained to prevent it from becoming full of sediment. There is currently some sediment accumulating in the stone. Once the stone becomes full of sediment, it will need to be replaced.
3. The stockpile area is currently active. There are stockpiles of loam on the site. Reinforced concrete pipe is positioned along the west side of the basin to ensure that trucks do not drive into the basin.
4. The proposed sediment basin associated with the stockpile area has generally been shaped. It has not been loamed and seeded. Farland Corporation should confirm that the berm elevations for the sediment basin have been graded to the heights consistent with the approved plans. In some areas, it appears the berm heights are lower than approved.
5. The berm on the west side of the basin has been graded higher than the adjacent site. As currently graded, it does not appear that any water generated by the site will reach the basin. Given the sandy soils conditions on site, it is more likely that the any stormwater generated by the site will simply infiltrate into the ground.

There is a second stockpile site located directly to the west of the building and drives located at 100 Duchaine Boulevard. The approval for this stockpile area was granted as part of an Amended Order of Conditions associated with the Logal application for 100 Duchaine Boulevard. The stockpile area is currently active. Portions of the silt fence surrounding the site have deteriorated and additional erosion controls need to be installed. Farland Corporation staff were notified that these erosion controls need to be improved.

Please call if you have any questions about any of these four areas.

SDT/aab