
October 20, 2020

Ms. Karen Sherman
Town Planner
Town of Holliston
703 Washington Street
Holliston, MA 01746

**Re: Stormwater Design Engineering Peer Review #2
ADESA, Inc. 194 Lowland Street Holliston, MA
CMG ID 2020-151**

Dear Karen,

CMG is providing this letter report detailing our follow up engineering peer review of the stormwater management system design for the proposed “ADESA HOLLISTON” vehicle parking lot project. The project is located on an approximately 43.1 +/- Acre parcel identified as 194 Lowland Street in Holliston, MA (the “Site”). The project Applicant, *ADESA, Inc.* is proposing to construct an approximate 4.5 +/- Acre paved parking lot and associated access within an Industrial District Zone.

CMG is in receipt of the following documents:

- Site Plans entitled “Site Development Plan for ADESA HOLLISTON, Adesa, Inc. 194 Lowland Street, Holliston, MA” prepared by Kimley-Horn and Associates, Inc., date 05/12/20, revise date 10/06/20.
- Stormwater Report for ADESA Holliston, 194 Lowland Street, Holliston MA prepared by Kimley-Horn and Associates, Inc., date 05/12/20, revise date 10/06/20.
- Long Term Pollution Prevention and Maintenance Plan for ADESA Holliston, MA prepared by Kimley-Horn and Associates, Inc. date 04/29/20, revise date 10/06/20.
- “Stormwater Design Engineering Peer Review” Comment Response Letter, prepared by Kimley-Horn and Associates, date 10/06/20.

Kimley-Horn and Associates plan and stormwater report revisions address the majority of CMG’s July 24, 2020 civil engineering stormwater peer review comments. CMG is providing the following list of remaining comments and condition of approval recommendations based on review of the above 10/06/20 plan revisions for consideration by the Planning Board:

19. No supporting information or on-site in-situ permeability testing is provided to support the infiltration rate of 0.17 cfs used in the hydrology calculation. Hydraulic conductivity values based on on-site soil classification (Rawls Rate) or in-situ permeability testing must be provided for each underground drywell system.

Kimley-Horn Response: Soil testing was performed on site. Please see Appendix G of the Stormwater Report for the Soil Evaluation Technical Memo prepared by Tetra Tech on September 17, 2020.

CMG Comment #2: It appears the revised HydroCAD calculations for the Underground Detention #2 recharge system do not account for the documented infiltration rate of 1.02 in/hr. CMG notes the current design is conservative and complies with the regulations. However, the drywell system may be able to be reduced in size if the infiltration rate is accounted for in the calculations.

23. Stormwater basin design details and cross-sections be provided for each of the proposed underground basins to document compliance w/ MA-DEP Stormwater Management Standards including but not limited to separation to ESHGW, design elevations, and peak elevations for each storm event. The current plan set only provides limited layout and design schematics.

Kimley-Horn Response: Soil testing was performed on site. Please see Appendix G of the Stormwater Report for the Soil Evaluation Technical Memo prepared by Tetra Tech on September 17, 2020. .

CMG Comment #2: The “Outlet Control Structure H1” detail shown on Sheet 19 of 23 depicts a 10” orifice while the HydroCAD calculations note an 8” orifice. Detail should match the calculations.

33. Not applicable – Site is not a LUHPPL.

Kimley-Horn Response: Comment Noted

CMG Comment #2: Upon further review and discussion with the Applicant’s Engineer CMG believes the project is considered a Land Use with Higher Potential Pollutant Load (LUHPPL) as a “fleet storage area”.

Therefore, an oil grit separator or equivalent pretreatment device must be used prior to discharge to an infiltration structure in addition to the 44% TSS removal. The proposed Barracuda hydrodynamic separator notes it is available with oil capture add-ons. Recommend additional information be provided to document the oil storage capacity of each proposed water quality unit and the detail revised as necessary to meet this standard.

38. The Site is > 1 Acre therefore an EPA NPDES Construction General Permit (CGP) registration and SWPPP is required to be submitted prior to construction. CMG recommends the Planning Board make this a condition of approval.

Kimley-Horn Response: Comment Noted

CMG Comment #2: CMG recommends this as a Condition of Approval

If you have any questions or need additional information please contact me at (508) 864-6802.

Sincerely,
CMG ENVIRONMENTAL, INC.

A handwritten signature in blue ink, appearing to read "David T. Faist".

David T. Faist, PE
Principal Engineer

cc. Mr. Ryan Clapp, Holliston Conservation Agent