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Memorandum

To: Ashley Chasez, Planner I

Date: October 11, 2023

From: Michael Walton, P.E., Senior Development Review Engineer

Cc: Alex Mestdagh, P.E., Engineering Services Manager
Tom Williams, P.E., Director of Engineering/Public Works

Subject: SP22-041 Douglas 234 F6 AMD 1 L4 - Dunkin Donuts – Engineering 1st Review

The Engineering Department has reviewed the documents submitted with this application. The submittal consisted of the following documents:

<u>Document</u>	<u>Dated</u>
Construction Plan	September 2023
Traffic Impact Study	September 2023
Drainage Report	September 2023

Thank you for the opportunity to review this application. Based on our review we have the following comments:

Traffic and Roadway Review Comments

The following comments concern traffic, access, roadway design, and construction standard issues for the subject property. They are based upon our review of the submittal documents in accordance with the criteria presented in the Town of Parker's *Roadway Design and Construction Criteria Manual* (RDCCM), as revised, November 2020. Additional regulatory and planning documents may have been utilized in the review and are referenced in the comments where appropriate.

TRAFFIC IMPACT STUDY

1. Please note that traffic from the proposed development cannot queue on to the adjacent shared access road or impact adjacent properties. Should traffic issues arise the developer will be required to re-analyze and make any necessary improvements to mitigate the issue. Please add text in the narrative acknowledging this within the TIS.

Stormwater Review Comments

October 11, 2023

The following comments concern drainage, erosion and sediment control, and non-point source pollution control issues for the subject property. They are based upon our review of the submittal documents against the criteria presented in the Town of Parker's, *Storm Drainage and Environmental Criteria Manual* (SDECM), as revised, February 2014. Additional regulatory and planning documents were utilized in the review and are referenced in the comments where appropriate.

CONSTRUCTION PLANS – ENVIRONMENTAL

GENERAL COMMENTS for ALL Erosion Control Plan Sheets

Please note that a **CBMP Estimate** will be **required** and **reviewed** with the Grading Permit after all CBMP comments have been addressed and the final site plan is near approval.

1. Please add a note stating – “THE TRUE LOCATION OF THE VTC, CWA, and PTs MAY BE DETERMINED BY THE TOWN AND THE ECS”.
2. Please add a note stating – “MASONRY WORK PROTECTION IS REQUIRED FOR CONSTRUCTION OF BUILDINGS”.
3. Please add a note stating – “ANY ONSITE BULK FUEL STORAGE REQUIRES A FIRE LIFE SAFETY PERMIT FROM THE TOWN OF PARKER PRIOR TO INSTALLATION”. Contact Randy Capra at 303-805-3136 or rcapra@parkeronline.org for FLS Permit questions.
4. Please show multiple Portable Toilet Protections (PTP), a site this size must have at least 2 at initial phase. Addition PTPs may be needed in the interim and final phases.
5. Please provide and identify in curb line rock sock protection (4) on Slicero Drive to the southeast, down gradient of site. Follow the Inlet Protection Curb on Grade detail for installation.

INITIAL CBMP PLANS

6. Please consider moving the Vehicle Tracking Control (VTC) to the north end of Slicero Drive. This configuration helps limit the amount of Stormwater Sheet Flow washing over the VTC and flowing off-site during a rain event. Please provide and identify construction fence along the sides of the VTC to assure use of the entire 50-foot pad.

INTERIM/FINAL CBMP PLANS

7. Provide and identify Masonry Work Protection (MWP) on the plans in two locations for Construction of the building.
8. Please remove **ALL Traffic Striping Arrows** from the CBMP Drawings to avoid confusion with the stormwater flow arrows.

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CONSTRUCTION PLANS – STORMWATER

1. All storm sewer systems collecting drainage from the proposed drive aisles and parking areas must adhere to the standards and specifications outlined within Section 6.3.3 of the Town's SDECM, including the use of 18-inch minimum RCP and dedication of drainage easements.
2. Please note energy grade lines are not required. Please remove the energy grade lines from the storm sewer profiles for clarity.

DRAINAGE REPORT

1. Provide a direct comparison of the master study impervious value to the proposed impervious value for the site in the narrative for a quick reference to future designers.

The submittal is not in general conformance with the Town of Parker's *Roadway Design and Construction Criteria Manual* and *Storm Drainage and Environmental Criteria Manual*. The submittal must be revised and re-submitted for review.

An attempt has been made to identify all of the items that do not meet the Town of Parker's design criteria; however, it remains the developer's responsibility to ensure that all criteria are met.

If you have any questions regarding the comments, please do not hesitate to contact the Engineering Department at (303) 840-9546.