

## MEMORANDUM



**TO:** Molly Casto  
**FROM:** Dan Goyette, PE  
**DATE:** August 6, 2008  
**RE:** Burger King Restaurant, 132 Riverside Street

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Woodard & Curran has reviewed the Site Plan Application for the proposed Burger King Restaurant, located at 132 Riverside Street in Portland, Maine. The project will include the construction of a 2,200 square-foot fast-food restaurant with drive-thru and associated utilities, stormwater infrastructure, and parking lot. The site is currently developed as a fuel station. The fuel pumps and building will be removed prior to construction of the restaurant.

### Documents Reviewed

- Response to comments with attachments prepared by Gorrill-Palmer Consulting Engineers, Inc dated July 25, 2008.
- Site Plan for Berger King Restaurant Sheets C001, C101-C103, C401-C404, prepared by Gorrill-Palmer Consulting Engineers, Inc. and dated July 25, 2008.
- Topographic & Boundary Survey of 132 Riverside Street, Portland, Maine prepared by Titcomb Associates, dated July 8, 2008.

### Reference Plans

The following plans and documentation was provided for reference purposes only, and not reviewed by Woodard & Curran for compliance.

- Landscape Plans prepared by Mitchell & Associates Landscape Architects and dated March 7, 2008.
- Lighting Proposal prepared by Lsi Industries and dated April 1, 2008.
- Architectural Floor Plans and Elevations (Sheets A101, A-2 and A-7) prepared by Neshamkin French Architects, Inc. and dated July 17, 2008.

### Comments

- Within the City of Portland's right of way, the bituminous pavement should show be in conformance with City of Portland Standards. For roads and parking, surface paving is grading C (or superpave 12.5 mm HMA), and binder paving is grading B (or superpave 19.0 mm HMA). For sidewalks, all pavement is grading C.
- The applicant has indicated that the "Do Not Enter" and "Stop" signage has been added at the drive thru however this is not apparent on the site plan.
- Please indicate on the plans if the existing catch basins and drainage pipes will be removed.
- The plans are missing significant amount of information regarding the existing sewer main. Without this information, the proposed sewer system cannot be evaluated. The Applicant has indicated that further information will be obtained through test pits.
- The applicant has requested an "Ability to Serve Letter" from the Department of Public Works for sanitary sewer service, but has not yet received confirmation. A copy of the ability to serve letter must be provided upon receipt.



- The precast sewer manhole detail indicates the installation of aluminum or steel reinforced polypropylene steps. Steps shall be steel reinforced polypropylene as is required by City standards.
- There are some inconsistencies with the Sanitary Sewer Apparatus Schedule on Sheet C102. Pipe sizes do not match the sizes shown on the plan – the plan lists 4" for BLDG to GT1, GT1 to SMH1, and BLDG to SMH1 and the Schedule lists all as 6". The plan shows the BLDG tying into the pipe just north of SHM1 and the Schedule lists the BLDG tying directly into SMH1. The Schedule lists the invert out from structure GT1 as going to GT1 instead of SMH1.
- On Sheet C103, the Storm Drain Apparatus Schedule lists WQU1 and WQV1 and the plan lists WQU1. Additionally, the invert out of CB3 to DMH1 is at a lower elevation than the invert in to DMH1 from CB3.
- The typical sewer and storm drain detail should include 12" of crushed stone over the top of the pipe.

Please contact our office if you have any questions.

DRG/LJS  
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