

453 Pine Street

1. General understanding of project scope: 100 to 150 people occupancy, ~19,000 sq ft, outdoor pools and saunas, restaurant, goal is to start construction next spring.
2. We need water and sewer flow estimates. A water and sewer allocation will be required. The development team shall assist as needed to assess existing water mains and sewer mains serving the project to ensure they are adequate for the proposed development without placing an undue burden on the system. For water flows we want the peak fire demand to simulate in our distribution system model.
3. If flows are over 1000 gpd for sewer our draft CSO offset policy will apply. We have a draft final combined sewer offset policy that in summary requires customers contributing more than 1,000 gpd to our CSS to either 1) remove stormwater input from their site to offset increased wastewater baseflow or if not demonstrated to be feasible, then 2) pay a fee to Water Resources so we can construct a stormwater project within the same sewershed to mitigate your increased input to our system. We will be happy to provide more direction to you regarding our draft offset policy. Applicants that request new or additional wastewater capacity of less than 3,000 gpd shall have the option to pay the applicable CSOM Fee without completion of an Engineering Feasibility Assessment.
4. The 12" water main was relined in 2018 so it's not quite as simple as doing a wet tap. This main will need to be shut down for a few hours so that the liner gets sealed at the tap as recommended by the water liner manufacturer.
5. GIS shows two existing manholes (SM—2824 & SM-2845) within this property and our notes say that SM-2845 about halfway along Pine Street could not be found. If there isn't one already, we need to have a maintenance easement (10' on either side) for this 21" AC pipe which conveys wastewater from a huge area of the south end.
6. Barge Canal requirements will need to be considered when doing stormwater design. Infiltration is most likely not an option so sheet flow to the west may be an option if the adjacent abutter (City of Burlington) allows it. Coordinate with Burlington's Stormwater Coordinator regarding stormwater management requirements. We will at a minimum look for hydrologic/hydraulic modeling showing that the 1-yr post development storm is equal to or lesser than the pre-development storm.
7. See attached design checklist for Burlington's Water Resources infrastructure
8. We will want to ensure discharge of flows are controlled and the wastewater is within typical wastewater range (ie. strength, chemicals, pH)
9. Corrective action plan requirements need to be considered even when digging on Pine Street
10. A grease trap is required for a restaurant
11. See attached design checklist for Burlington's Water Resources infrastructure
12. Final plans, including mechanical drawings related to metering, shall be reviewed and approved by Water Resources prior to construction.
13. Our current preference is to have a separate domestic water service tee off of the fire service line to enter the building. The tee should occur in the city ROW close to the ROW line. At the domestic service tee, a curb stop shall be installed.
14. Water meter shall be sized appropriately for the proposed building and the meter shall be installed in strict accordance with the manufacturer's guidelines to ensure accuracy. The project

must submit fixture counts to Water Resources engineering and mechanical drawings showing the location, layout of metering.

15. A testable backflow preventer appropriate for the level of risk based on the proposed use of the building shall be installed for the water service
16. The following link has additional information about water connections in Burlington:
<https://www.burlingtonvt.gov/DPW/Connection-Requirements>
17. Record Drawings stamped by a PE shall be provided that accurately depict all water resources infrastructure. The record drawings shall include all infrastructure in the right of way as well as infrastructure on the property. The record drawings shall include detailed mechanical drawings.
18. Further Water Resources review will be needed as the project moves ahead with design.