

Pharmaceutical Sciences

Overview & discussion of planned work



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Steam Process Boiler Plant Overview

Commissioned by **UBC Energy & Water** > *Delivered by* **Project Services** > *Maintained by* **Building Operations**

Piping through existing infrastructure, in through mechanical room(s), out to the street and with one penetration into Life Sciences Centre.



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Steam Process Boiler Plant Overview

What is in this for you

Improved system • Monetarily feasible • Synergies with existing campus equipment

System Redundancy:

- Eliminate unplanned shutdowns
- Increased reliability / reduced cycling of boiler system
- Reduced downtime for preventative maintenance due to redundancy
- Better serviceability / control



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Penthouse Mechanical Room

Description: Steam micro grid to service Pharm Sci & Life Sci for the process steam load

- Impacts:**
- Localized service shutdowns
 - General construction noise while anchoring pipe
 - Vibration from impact tools
 - Drilling in inserts for pipe hangers



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Interstitial Space

Description: Pipe installation using impact drill in space between occupied floors

- Impacts:**
- Localized service shutdowns
 - General construction noise while anchoring pipe
 - Vibration from impact tools
 - Coring into lower mechanical room



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Lower Mechanical Room

Description: Pipe install into mechanical room, through hallway, into lower mechanical room, through interstitial space and penetrates out the building at the NW corner

- Impacts:**
- General construction noise
 - Vibration from impact tools
 - Drilling inserts for pipe hangers



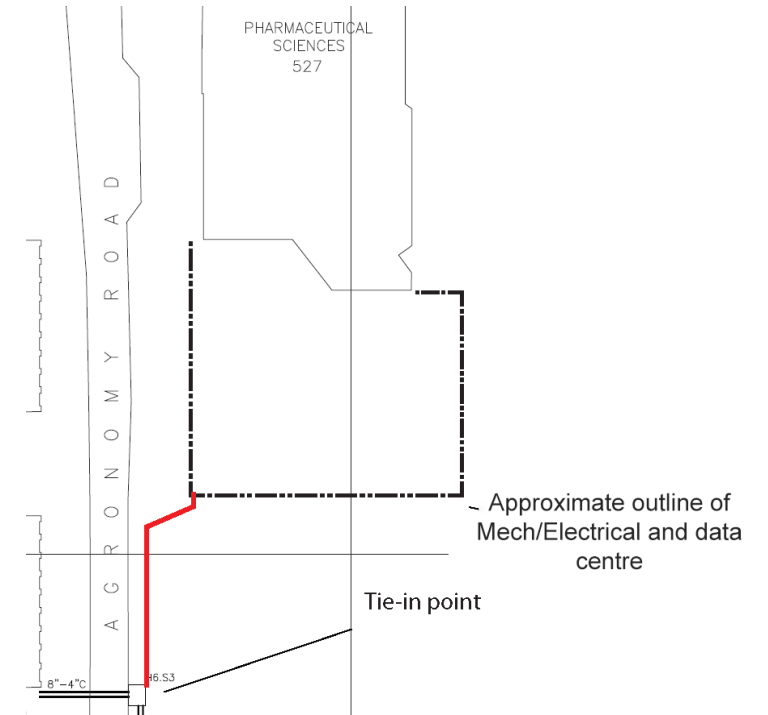
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External Work

Description: Pipe installed along 50m section of sidewalk on the south side of Agronomy to Life Sciences tie-in.

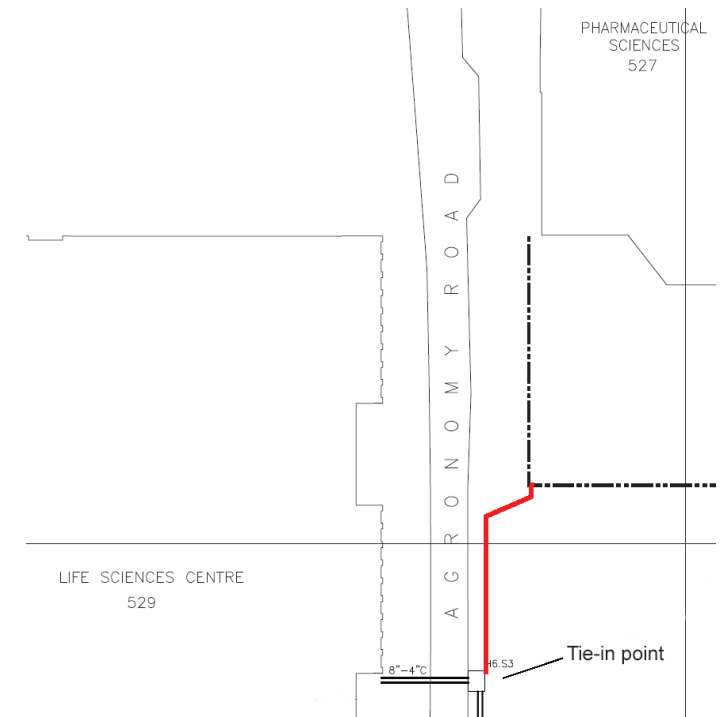
- Impacts:**
- General construction noise
 - Vibration from soil compaction
 - Traffic & pedestrian detours
 - Repaving of sidewalk



Life Science Mechanical Room

Description: Steam distribution pipe installed in mechanical room from the manhole located across the street. This work is isolated to the mechanical room only.

- Impacts:**
- General construction noise
 - Vibration from impact tools and coring
 - Drilling inserts for pipe hangers
 - Localized service shutdowns



We are happy to discuss any potential impacts to your workspace.

Please contact:

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We want to work together to build success.

Thank you

Ryan Huffman, Project Manager.



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