

## Confined Space Entry & Tunnel Safety – Appendix C: Confined Space Index – Rock Creek Campus

The following table provides index and initial space classification for spaces at Rock Creek Campus. The numbers noted are related to notation on maps.

Map Location #	Building/Location	Space Type or Name / Conditions	Initial Classification	Hazards
<b>100 - Vault with Single / Double and Triple Square Covers</b> Outside locations throughout the campus				
101	NE Parking off A Street across from the loading dock.	Electrical Double square metal covered vault.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Oxygen deficiency</li> <li>• Falls</li> </ul>
102	NE Parking off A Street across from the loading dock	Communications Round manhole cover with Verizon label on cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Oxygen deficiency</li> <li>• Falls</li> </ul>
105	Driveway to FMS/PS Yard at Bldg. 1.	Sewer or Storm water manhole in roadway.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
106	Driveway to Yard at Bldg. 1.	Electrical Double metal hatch vault at street light.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Oxygen deficiency</li> <li>• Falls</li> </ul>
107	Driveway to Yard at Bldg. 1.	Communications Round manhole cover with Verizon label on cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Oxygen deficiency</li> <li>• Falls</li> </ul>
108	In front of Bldg 1 plant area.	Sewer Round manhole cover for sewer (very deep space).	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
109	Sidewalk in front of Bldg 1 to Bldg 6.	Communications Round manhole cover with Verizon label on cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Oxygen deficiency</li> <li>• Falls</li> </ul>
110	Sidewalk in front of Bldg 1 to Bldg 6.	Electrical: Double metal hatch vault at street light.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Oxygen deficiency</li> <li>• Falls</li> </ul>

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111	In front of parked cars at sideway in front of Bldg 1 to Bldg 6	Sewer or Storm water: Round manhole cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
112	Bldg 2 outside yard next to emergency generator.	Diesel Underground Storage Tank for Boiler: Round manhole with W on cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Falling or slipping</li> <li>• High pressure lines – engulfment</li> </ul>
113	Bldg 2 yard parking for auto collision repair vehicles.	Oil/Water Separator Square metal vault cover but it is too shallow to enter.	<i>not a confined space</i>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
114	Side of Bldg 2 next to sidewalk between 2 and 5 Bldgs.	Electrical Square metal hatch to the side of the electrical transformer.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Oxygen deficiency</li> <li>• Falls</li> </ul>
115	Circle driveway to Bldg 2 yard.	Sewer or Stormwater: Round manhole cover for sewer.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
116	Between Bldgs 2 and 5 grass area.	Sewer or Stormwater Round manhole cover right at the FDC as S on cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
117	At Bldg 5 between 5 and 2 in grass.	Sewer: Round manhole cover with S on cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>

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119	In front of Bldg 7 north facing.	Sewer: Round manhole cover with S on cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
121	In front of Bldg 2 and 3 by the pond.	Sewer manhole cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
122	In front of Bldg 2 by the pond.	Sewer Square metal cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
123	Outside of Bldg 2 on west side probably electrical manhole vault.	Communications: Round manhole cover vault.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Oxygen deficiency</li> <li>• Falls</li> </ul>
124	Outside the west side of Bldg 3 in grass area	Electrical: Square vault next to Verizon round metal manhole cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Oxygen deficiency</li> <li>• Falls</li> </ul>
125	Outside the west side of Bldg 3 in grass area.	Communications: Verizon labeled manhole cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Oxygen deficiency</li> <li>• Falls</li> </ul>
126	Main road way outside of Bldgs 3 and 7 on west side.	Sewer: Several sewer manhole covers.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
127	Across main roadway from Bldg 9 along the road.	Electrical 5' x 3' double metal square vault.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>

<b>Map Location #</b>	<b>Building/Location</b>	<b>Space Type or Name / Conditions</b>	<b>Initial Classification</b>	<b>Hazards</b>
128	Walkway at Bldg 9, south of the emergency generator.	Sewer: Round sewer manhole cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
129	Across roadway from Bldg 9 below the landscaping gardens.	Electrical: Double square manhole cover next to CS#133.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
130	Outside Bldg 9 cooling air conditioning fan system.	Sewer or storm water manhole cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
131	Outside Bldg 9 Cooling enclosure.	Fire water vault and Potable Water Vault: FDC two 3' x 4' square metal vault covers.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Falling or slipping</li> <li>• High pressure water lines – engulfment</li> </ul>
132	Bldg 9 sidewalks down road near D St.	Sewer or Storm water several manhole covers.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
133	Across roadway from Bldg 9 below the landscaping gardens.	Communications: round Verizon manhole cover next to CS#129	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
134	Across from Kennel in parking lot far SW side.	Large Irrigation Systems: Two green round covers for irrigation vaults.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Falling or slipping</li> <li>• High pressure water lines – engulfment</li> </ul>
135	In front of Landscape Technology roadway.	Electrical: Double square manhole cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
136	Behind Landscape Technology Work Shops.	Single metal cover vault for FDC Backflow valve. 10-12-foot deep usually flooded.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Falling or slipping</li> <li>• High pressure water lines – engulfment</li> </ul>

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137	In front of the Tualatin Hills Parks sign in the grass.	Electrical: Double metal vault cover.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
138	Main road to exit on north side in the grass.	Electrical: Double metal vault cover	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
139	<b>RELOCATED</b> due to entry road realignment.	Main water lines for RC Campus: Double metal vault cover for all the potable water and fire lines with valves.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Falling or slipping</li> <li>• High pressure water lines – engulfment</li> </ul>
140	Water vault on the west side of the airplane runway.	Water vault for backflow preventer.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Falling or slipping</li> <li>• High pressure water lines – engulfment</li> </ul>
141	Behind airplane Runway.	Sewer manhole.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
142	Service Road to Landscape Technology – Electrical transformer past Service Road entrance from D Street on the West Side small hill.	Triple electrical vault right next to the transformer.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
143	Service Road to Landscape Technology to east of the transformer but still on west side small hill.	Single manhole cover for a Verizon Labeled vault.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
144	Service Road to Landscape Technology to east of the transformer close to the roadway but still on west side.	Double hatch vault – Electrical.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
145	Service Road to Landscape Technology to north of the transformer close to the roadway but still on west side	Triple vault electrical vault	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
146	Service Road to Landscape Technology to north of the transformer close to the roadway but still on west side.	Verizon Communications manhole covered vault	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
147	B5 water vault	SE corner of gym, Square hatch vault	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Falling or slipping</li> <li>• High pressure water lines – engulfment</li> </ul>

Map Location #	Building/Location	Space Type or Name / Conditions	Initial Classification	Hazards
148	B5 Electrical vault	SE corner of gym, Double square hatch vault	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
149	Child Center water vault	SW corner by road to THPRC, Double square hatch vault	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Falling or slipping</li> <li>• High pressure water lines – engulfment</li> </ul>
150	South of Lot P-C in grass	Double square hatch vault, Need to access to verify (electrical)	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Electrical hazards</li> <li>• Atmospheric hazards</li> <li>• Falls</li> </ul>
<b>200 - Tunnel System and Facilities Access Hatches</b>				
201	Bldg. 6 Aviation Room 107.	Storm water: Interior access to storm water drainage system. Vault is 3' by 5' and 9 feet deep with running water.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
202	Bldg. 6 Room 107a - Aviation: Parts cleaning room.	Enclosed abrasive blast unit: has side hatch but not large enough to enter.	<b>Confined Space</b>	
203	Bldg 6 Aviation: Parts cleaning room.	Hot chemical cleaning tank system, several feet deep and 3 feet wide.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Falling or slipping</li> <li>• High pressure water lines – engulfment</li> </ul>
<b>300/400- HVAC Cooling Tower and HVAC Units/Boiler Systems</b>				
301	Outside Bldg 6 facing Bldg 2.	Cooling Fan, most likely too narrow to enter fully.	<b>Confined Space</b>	
304	Bldg 3 SW end	Large air conditioning unit.	<b>Confined Space</b>	
305	Bldg 2 HVAC system access to filters - Diesel & Auto Collision.	HVAC Filter/Plenum space access through large door hatches from ceiling access.	<b>Confined Space</b>	
306	Bldg 1 HVAC system access to filters – in Diesel Dynamometer Room.	HVAC Filter/Plenum space access through large door hatches from ceiling access.	<b>Confined Space</b>	
400	B2 & B5 - All facilities	<b>Boiler Systems</b> Note: NEW boilers are not confined spaces – Cannot be entered. Ductwork is also too small to enter.	<b>Confined Space</b>	

Map Location #	Building/Location	Space Type or Name / Conditions	Initial Classification	Hazards
<b>500 - Tanks</b>				
501	NE side of the Aviation Bldg 6 Fuel Dispensing.	Access 4 manhole hole covers to the tanks.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Fuel flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
502	Landscape Technology Outside Storage Yard.	Large Plastic Tank planned for use with rain water collection.	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
503	Landscape Technology on the East side of the Green Houses.	5-1/2 foot tall rain water collection tanks	<b>Permit-Required Confined Space</b>	<ul style="list-style-type: none"> <li>• Atmospheric hazards</li> <li>• Sewer/water flow – engulfment.</li> <li>• Pathogenic micro-organism contact – infectious diseases.</li> <li>• Possible physical hazards</li> </ul>
<b>SEWER RELATED and SUMP PUMP SPACES</b>				
1	None			

# PCC Confined Space Location Maps Rock Creek Campus

17705 NW Springville Road  
Portland, Oregon  
June 2015

**LEGEND**

	CONFINED SPACE
	GRASS/GRAVEL LANDSCAPE
	PAVED
	BIO-SWALE
	SIDEWALK

