Ballard Ave Flexible Porous Surface Treatment

Description

This application is a request to upgrade the condition of 70 tree pits through the installation of flexible porous surface treatment (FPST) as part of the Ballard Ave Mobility and Access Improvements project. All tree pits fall within SDOT owned public right-of-way, specifically between the sidewalk and curb.

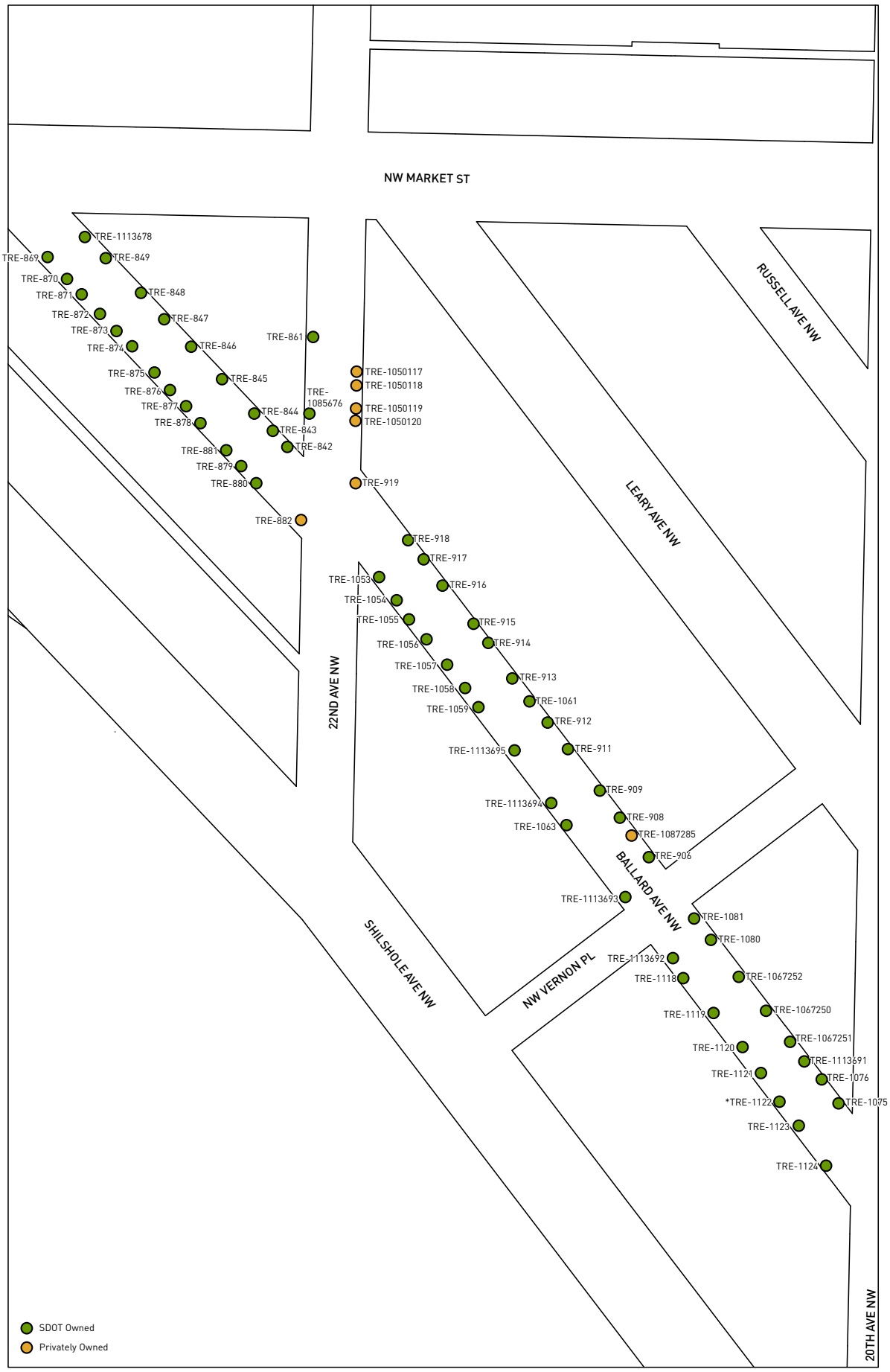
The installation of the FPST will increase usable surface on the sidewalk, increase pedestrian safety, and increase aesthetics. FPST is a water pervious pour-in-place polymer material that is flexible, resilient, and eco-friendly. SDOT has been installing this material for over 5 years and has found exceptional versatility and demonstrated durability. The main effect this project will have on the public right-of-way is increased safety and improved aesthetics. FPST is safer and more visually appealing than lifted tree-grates, gravel, or wood chips.

As previously discussed, "Dark Gray" (as seen in the images below) is the recommended color for the Ballard Ave Landmark District.

"Dark Grey" FPST Color Sample

Installed "Dark Gray" FPST

Proposed Tree Pit Upgrade Locations



Proposed Tree Pit Upgrade Locations - Privately Owned

TREE ID	APPROXIMATE ADDRESS	SCIENTIFIC NAME	COMMON NAME
TRE-1050119	5400 22ND AVE NW	Acer rubrum `Bowhall`	Bowhall Maple
TRE-1050120	5400 22ND AVE NW	Acer rubrum `Bowhall`	Bowhall Maple
TRE-1050118	5410 22ND AVE NW	Acer rubrum `Bowhall`	Bowhall Maple
TRE-1050117	5410 22ND AVE NW	Acer rubrum `Bowhall`	Bowhall Maple
TRE-882	5403 BALLARD AV NW	Fraxinus americana	White Ash
TRE-919	5354 BALLARD AV NW	Fraxinus americana	White Ash
TRE-1087285	5310 BALLARD AVE NW	Ulmus sp.	Elm

Proposed Tree Pit Upgrade Locations - SDOT Owned

TREE ID	APPROXIMATE ADDRESS	SCIENTIFIC NAME	COMMON NAME
TRE-846	5416 BALLARD AV NW	Quercus palustris	Pin Oak
TRE-848	5424 BALLARD AVE NW	Quercus palustris	Pin Oak
TRE-876	5423 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-842	5400 BALLARD AVE NW	Acer platanoides 'Emerald Quee	Emerald Queen Norway Maple
TRE-880	5411 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-881	5415 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-844	5400 BALLARD AVE NW	Acer platanoides	Norway Maple
TRE-874	5429 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-870	5439 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-847	5420 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-873	5429 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-849	2217 NW MARKET ST	Quercus palustris	Pin Oak
TRE-843	5400 BALLARD AVE NW	Acer x Freemanii `Armstrong`	Armstrong Freeman (Red) Maple
TRE-861	5410 BALLARD AVE NW	Acer x Freemanii `Armstrong`	Armstrong Freeman (Red) Maple
TRE-872	5433 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-878	5417 BALLARD AVE NW	Quercus palustris	Pin Oak
TRE-875	5423 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-877	5419 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-879	5411 BALLARD AVE NW	Parrotia persica	Persian Ironwood, Parrotia
TRE-869	5439 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-871	5435 BALLARD AVE NW	Quercus shumardii	Shumard Red Oak
TRE-1076	5200 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1058	5333 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1123	5209 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1067250	5214 BALLARD AVE NW	Cornus sp.	Dogwood

Proposed Tree Pit Upgrade Locations - SDOT Owned (cont.)

TREE ID	APPROXIMATE ADDRESS	SCIENTIFIC NAME	COMMON NAME
TRE-1075	5200 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-917	5342 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-911	5320 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1081	5301 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1067251	5208 BALLARD AVE NW	Cornus sp.	Dogwood
TRE-1067252	5214 BALLARD AVE NW	Cornus sp.	Dogwood
TRE-918	5342 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1054	5345 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1121	5221 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1059	5329 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1080	5228 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1118	5231 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-908	5306 BALLARD AV NW	Gleditsia triacanthos	Honey Locust
TRE-1120	5221 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1055	5341 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-914	5332 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1124	5205 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-909	5310 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-916	5338 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1119	5225 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1063	5313 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1056	5339 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-915	5334 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-913	5330 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1057	5335 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-912	5320 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1053	5349 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-1085676	5410 BALLARD AVE NW	Nyssa sylvatica 'Wildfire'	Wildfire Black Tupelo
TRE-1113678	2221 NW MARKET ST	Nyssa sylvatica	Tupelo, Sour Gum
TRE-1113691	5206 BALLARD AVE NW	Nyssa sylvatica 'Wildfire'	Wildfire Black Tupelo
TRE-1113692	5233 BALLARD AVE NW	Acer griseum	Paperbark Maple
TRE-1113693	5301 BALLARD AVE NW	Acer griseum	Paperbark Maple
TRE-1113694	5313 BALLARD AVE NW	Acer griseum	Paperbark Maple
TRE-1113695	5325 BALLARD AVE NW	Acer griseum	Paperbark Maple
TRE-1061	5324 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-906	5300 BALLARD AVE NW	Gleditsia triacanthos	Honey Locust
TRE-845	5410 BALLARD AVE NW	Acer platanoides	Norway Maple

Ballard Ave Flexible Porous Surface Treatment - Color Sample

"Dark Gray" (as seen in the images below) is the recommended color for the Ballard Ave Landmark District.

"Dark Grey" FPST Color Sample

Installed "Dark Gray" FPST

TRE-1124

TRE-1123

*TRE-1122

TRE-1121

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-1120

TRE-1119

TRE-1118

TRE-1113692

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-1113693

TRE-1063

TRE-1113694

TRE-1113695

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-1059

TRE-1058

TRE-1057

TRE-1056

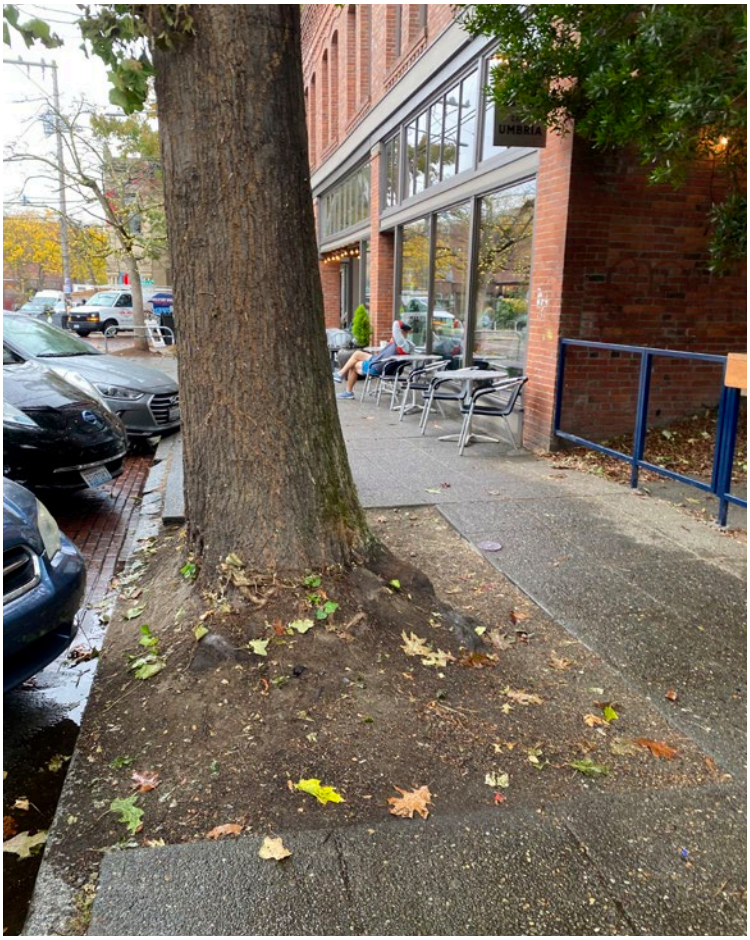
Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-1055

TRE-1054

TRE-1053

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions



TRE-880

TRE-879

TRE-881

TRE-878

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-877

TRE-876

TRE-875

TRE-874

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-873

TRE-872

TRE-871

TRE-870

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-869

TRE-1113678

TRE-849

TRE-848

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-847

TRE-846

TRE-845

TRE-844

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-843

TRE-842

TRE-918

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TRE-913

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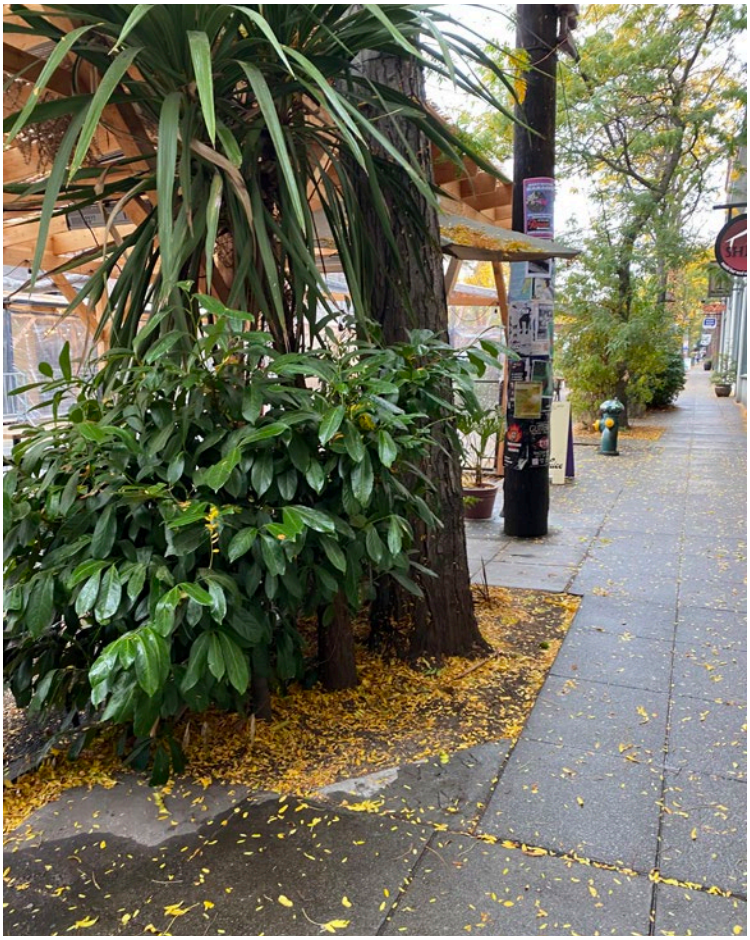
TRE-912

TRE-911

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-909



TRE-908

TRE-906

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-1081

TRE-1080

TRE-1067252

TRE-67250

Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-67251

TRE-1113691

TRE-1076

TRE-1075

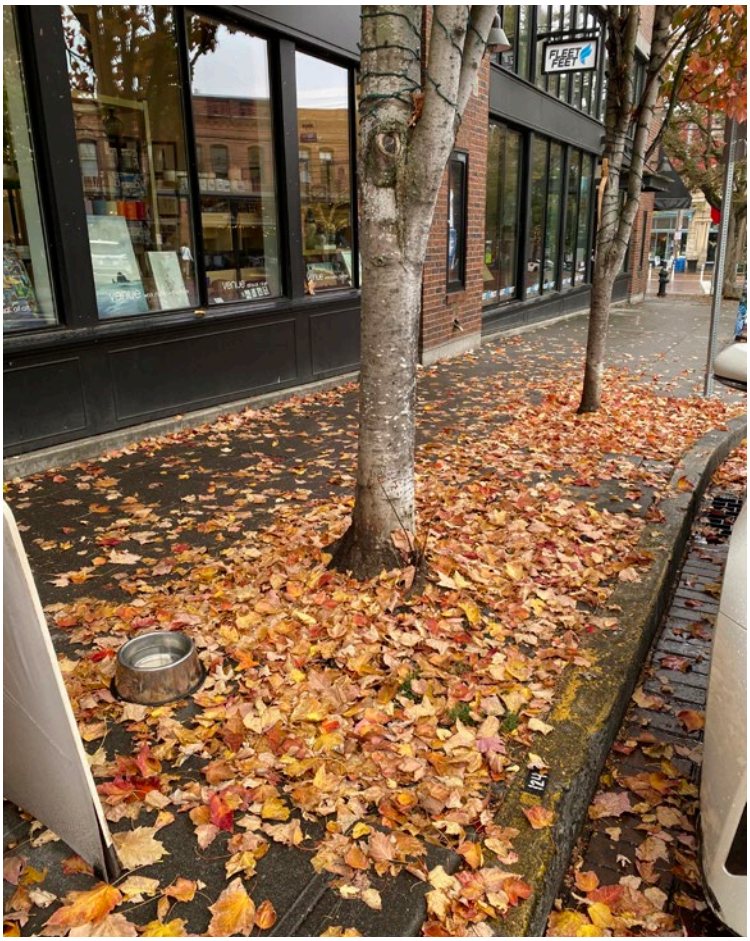
Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-1085676

TRE-861

TRE-1050117

TRE-1050118



TRE-1050119

TRE-1050120

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TRE-919

TRE-882

TRE-1087285

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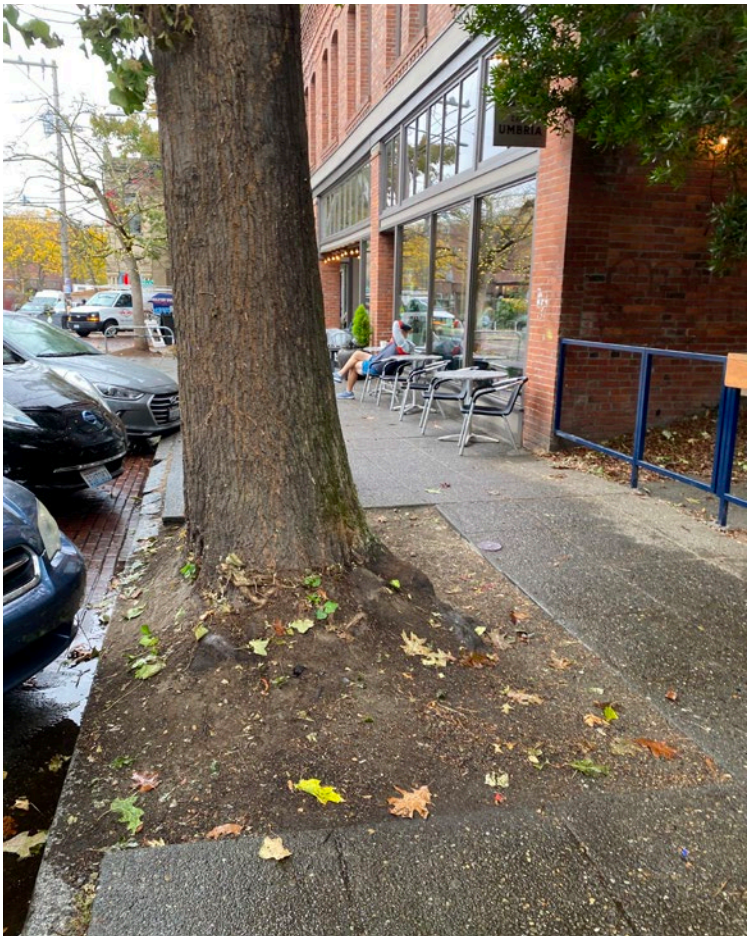

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Ballard Ave Flexible Porous Surface Treatment - Existing Conditions

TRE-877

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TRE-875

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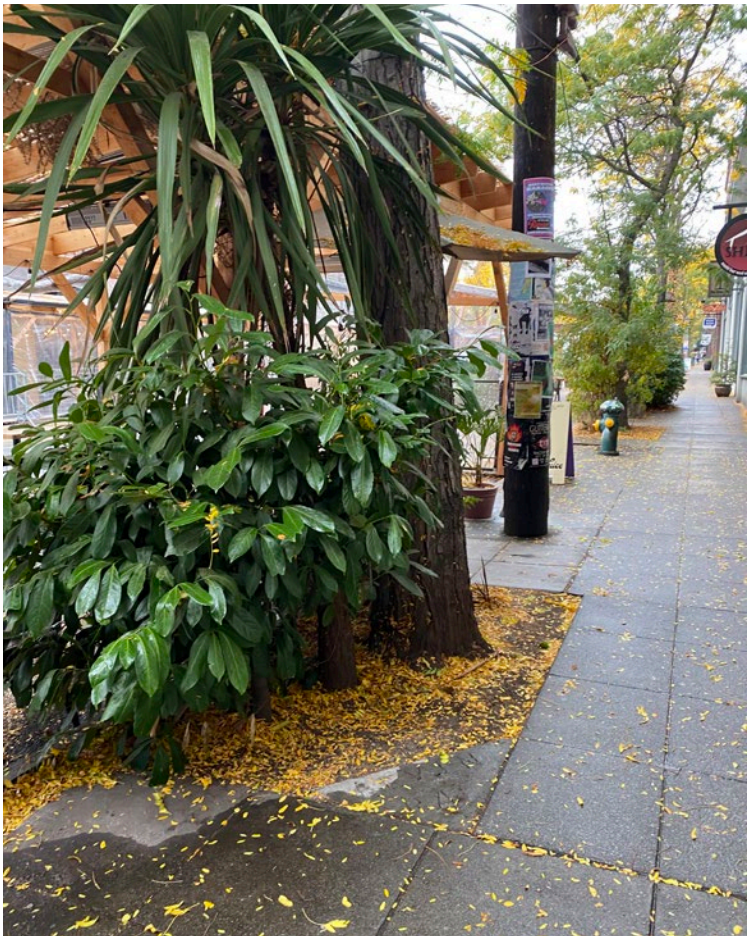

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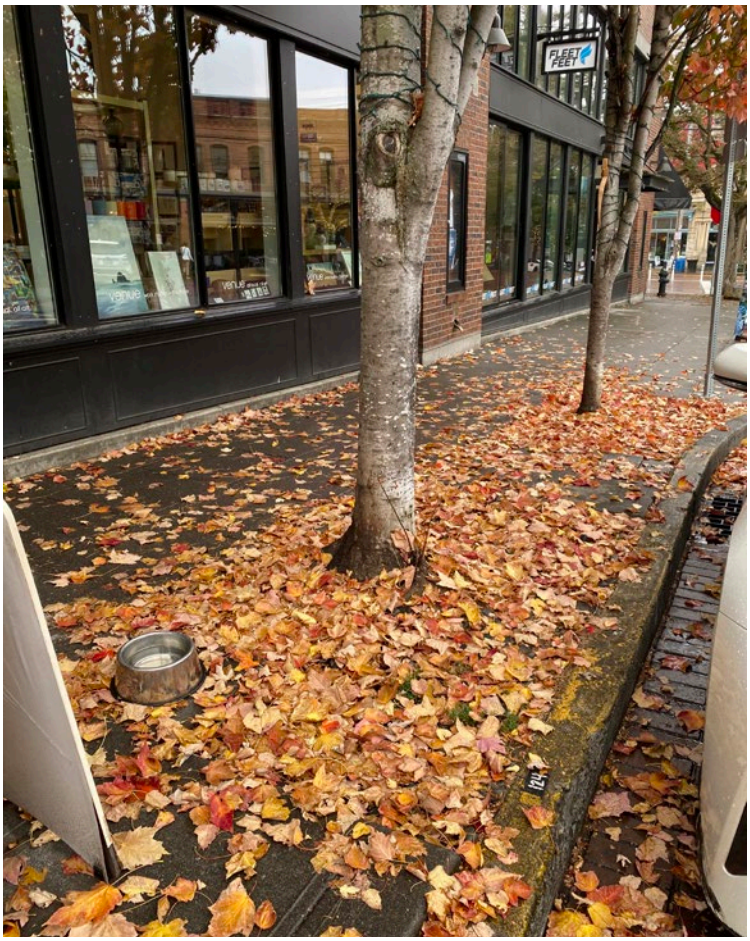

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