

Table 1. Field observations that warrant further review by the applicant and recommendations.

Feature	Approximate Station	Watershed Field Observations that Differ from Reported Conditions	King County Responses
Potential wetland, not mapped*	291	<p>Wet area at toe of slope under western red cedar, shallow sheet flow observed in private park to west on 2/17/17, above average precipitation.</p> <p><b>Recommendation: Review and, if necessary delineate, flag and classify the area meeting wetland parameters.</b></p>	<p>2.13" of rain fell the two days before this TWC observation. Ponding observed was likely from the intensive rainfall recorded in first 16 days of February (7.84 inches).</p> <p>On May 12, 2017 no water, no wetland signs. No wetland delineated.</p>
Stream 5	317	<p>Stream 5 flows observed entering site via culvert near Station 324, north of extent mapped by Parametrix. Scour and sediment sorting in ditch.</p> <p><b>Recommendation: Review and update Stream 5 mapping.</b></p>	<p>At Station 324, a hanging culvert discharges into WL 15D. Wattles have been placed into the wetlands ditch, after maintenance. The wattle has caused a break in the flow of water. On May 12 water was flowing primarily to the south towards Stream 5. During persistent heavy rains, flows could move both north and south because the ground is fairly flat.</p> <p>In addition, the previously disturbed area of Wetland 15D is revegetating with wetland plants. We agree that in general the flow of water moves from north to south from Station 524. Flow areas will be corrected on the EX and impact sheets.</p> <p>This flow passes through Wetlands 15D and 15BC. Both of which were disturbed during 2016 maintenance activities. However, observations in May 12, 2017 noted extensive revegetation in these wetlands. We will maintain the mapping of wetlands in these areas. No change to the extent of Stream 5 is proposed.</p>
Jurisdiction al Ditch 11A	319-321	<p>Observed flow direction differs from map (sheets EX5, EX6), flow splits directions near Station 324, waddle present.</p> <p><b>Recommendation: Review and relabel Jurisdictional Ditch 11A relative to extent of Stream 5. Correct flow direction arrows on EX sheets.</b></p>	<p>Agree waddle splits flow directions. Since ditches are not regulated by the City</p> <p>Flow direction of the ditch will be reversed on impact figures, which are more detailed. JD#11 has been removed from the plan set, because jurisdictional ditches are not regulated by the City.</p>

Table 1. Field observations that warrant further review by the applicant and recommendations (continued)

Feature	Approximate Station	Watershed Field Observations that Differ from Reported Conditions	King County Responses
Wetland 15D	321-325	Mapped wetland overlaps with observed extent of Stream 5; wetland confined to ditch. <b>Recommendation: Review Wetland 15D relative to jurisdictional ditch criteria; update extent relative to Stream 5 comments above. Update maps accordingly.</b>	Wetland 15 D has revegetated for most of its length with wetland plants since being disturbed by maintenance in 2016 prior to TWC observations. We have retained the wetland status and boundary of WL 15D.
Wetland 15E	312-325	Wetland confined to ditch with no indications ditch was cut in historic feature. <b>Recommendation: Review Wetland 15E relative to jurisdictional ditch criteria; update maps accordingly.</b>	Wetland 15E has revegetated with cattails, small-fruited bulrush, and scouring rush since maintenance activities. Inundated. We have retained the wetland status and boundary of WL 15E.
Wetland 18C	331	Inundation observed between Stations 329 and 333 - beyond and continuous with the surveyed wetland area. No access to neighboring properties. <b>Recommendation: Screen properties north and south of Wetland 18C within the project area for wetland conditions. Provide additional data, update maps accordingly.</b>	The area in question is a low lying area adjacent to residences. Ponding observed was likely from the intensive rainfall recorded in first 16 days of February (7.84 inches). No surface water was observed on May 12, 2017 beyond wetland 18C.
Wetland 21D	359-358	Steady flow observed in open pipe that empties to ditch, scour and sediment sorting observed in ditch (within Wetland 21D) parallel to trail. <b>Recommendation: Review ditched portion of Wetland 21D for stream characteristics.</b>	This area was delineated as wetland based on field indicators in March 19, 2014 (see data form SP W21D-SP1 (rev). The wetland occurs in a maintained lawn. A narrow maintained drainage channel lies within the wetland and discharges to Stream #6 via a series of culverts.
Wetland 22AB	361-367	Southern end of flagged Wetland 22B confined to ditch. <b>Recommendation: Review and update the boundary of Wetland 22B to distinguish jurisdictional ditch from wetland area.</b>	A portion of the south end has saturated ditch side slopes seeping into ditch. Maintenance was more intensive in this area. Brown fill in bottom. Bottom of ditch is revegetating with creeping buttercup, speedwell, scouring rush, and lady fern. No change to mapped wetland is proposed.

Table 1. Field observations that warrant further review by the applicant and recommendations (continued)

Feature	Approximate Station	Watershed Field Observations that Differ from Reported Conditions	King County Responses
Wetland 22CD	368-370	South end of wetland confined to ditch. <b>Recommendation: Review and update the boundary of Wetland 22CD to distinguish jurisdictional ditch from wetland area.</b>	Portions of Wetland 22CD were cleaned out exposing gravelly subsoil. On May 12 standing water was present. Sides of ditch were saturated and black soils indicating that hydric soils were previously present. The wetland is revegetating with duckweed, reed canarygrass, and speedwell. No change to wetland status is proposed.
Wetland 22E	365-366	Wetland conditions confined to ditch; however, likely historic wetland given proximity to Wetland 22AB. <b>Recommendations: Review and document jurisdictional ditch analysis.</b>	Wetland 22E is currently supporting cattails and small-fruited bulrush. The area had been recently mowed.
Wetland 24C	386-390	North end of wetland confined to ditch. <b>Recommendation: Review and update the boundary of Wetland 24C to distinguish jurisdictional ditch from wetland area.</b>	Wetland 24C is narrow in the north end. Maintenance has changed the ditch bottom. No change to mapping is proposed.
Potential wetland, not mapped*	409	Shallow inundation observed in lawn area, adjacent to southeast corner of parcel 3225069265. <b>Recommendation: Screen area, record a data point, update mapping as warranted.</b>	This area was not delineated as wetland in 2014, because it did not meet any of the 3 criteria.
Jurisdictional ditch, not mapped*	438-439	Culvert on south side of driveway #22 drains to a ditch with wetland characteristics (see DP-1), drains to Jurisdictional Ditch 17. <b>Recommendation: Review ditch, update mapping accordingly.</b>	This culvert drains to the continuation of JD #17 thru Wetland 28B, into JD#16 and into culvert under trail and E. Lake Sammamish Shore LN. Jurisdictional ditches are not regulated by the City and have been removed from the CAS plan set.
Wetland 28A	449-450	North end of wetland mapped within ditch, gravel/soil mix observed in that area. <b>Recommendations: Check north end of wetland delineation relative to King County ditch maintenance activities. Update documentation accordingly.</b>	Agree this area north of wooden bridge has been filled with gravel by some party. Mapping will be changed.
Wetland 28D	453	Wetland confined to ditch. <b>Recommendation: Review Wetland 28D relative to jurisdictional ditch criteria; update maps accordingly.</b>	Although maintenance occurred to this wetland, it has since revegetated. On May 12 area was full of standing water and vegetated with reed canarygrass. Wetland status retained.

\* Feature not mapped or addressed in the submitted CAR.



Table 2. Summary of wetland ratings that require applicant review

Wetland Name	Parametrix Wetland Rating (Category)	The Watershed Co. Wetland Rating (Category)	King County Responses
18C	III	II	Isolated wetland. Added 2 habitat points for riparian and instream, because Stream 7 is within 100 feet of wetland. New total points 46, or Cat III wetland. No rating change.
22E	IV	III	Small, isolated, shallow wetland. Next to trail. No sources of incoming pollutants. No hydrologic connections and negligible storage capacity. No rating change.
25F	IV	III	Corrected multiplier for D4 to 2X. Rating score increased to 30, or a Category III wetland.
26C	IV	III	Corrected multiplier for D4 to 2X. Rating score increased to 27; remained a Category IV wetland.
28E	IV	III	Adjusted multiplier for D2 and D4 to 2X. Rating score increased to 42, or a Category III wetland.



Table 3. Critical Areas Impact Summary (source: Parametrix 2017)

<b>Critical Area</b>	<b>Impact Type</b>	<b>Impact Area</b>	<b>Responses</b>
Wetlands	permanent	0.22 acre	No change.
	temporary	0.59 acre	No change.
Wetland buffers	permanent	1.51 acres	Increase of 0.03 acre.
	temporary	2.46 acres	Increase of 0.09 acre.
Streams	net gain of 69 lineal feet	24 lineal feet	Net gain increased 9 LF.
Stream buffers	permanent	0.21 acre	Increase of 0.01 acre.
	temporary	0.41 acre	Increase of 0.06 acre.
Shoreline setback	permanent	0.09 acre	No change.
	temporary	0.17 acre	No change.
FWHCA	temporary	not quantified*	No change.
CARA	none	n/a	No change.

\* Trail within 660 feet of bald eagle nest near Pine Lake Creek, located southeast of the intersection of SE 8th Street and East Lake Sammamish Pkwy SE.

Table 3 accurately summarizes the impacts report in the Revised CAS, July 2017.

