

Sewall Wetland Consulting, Inc.

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January 24, 2019

Evan Maxim
Planning Director
City of Mercer Island
9611 SE 36th Street
Mercer Island, Washington 98040

RE: 5637 East Mercer Way - Parcel #1924059312

City of Mercer Island, Washington

SWC Job#14-206

Dear Evan,

This letter is a response to questions in the ESA memorandums dated 10-17-19, regarding Parcel #1924059312

Below is a response to the recommendations in this document;

ESA Memorandum dated October 17, 2108

Summary of Recommendations

In summary from our findings above, we have the following recommendations (in addition to those provide in previous reviews, as applicable) to ensure project consistency with the requirements of MIMC 19.07, provide continued hydrology to an onsite stream and wetland, and implement sufficient mitigation to functionally compensate for project impacts:

 The March 8th CAR should indicate why the northeast corner of the building footprint is considered temporary and not permanent wetland impact.

<u>Response</u>: The area of the northeast corner of the site is now considered a permanent impact on the attached revised mitigation plan.

Provide rationale to support the determination that decks will result in temporary, rather than permanent, wetland impacts;

Response: Although we are proposing to replant the area under the decks, for the purpose of the impact calculations, we now are including

the decks as an impact. This area will now be replanted with slough sedge as a mitigation action

3. The entire square footage of the northern deck should be considered as impact.

<u>Response</u>: As described in the previous response, this area is now considered an impact as requested.

 For comparison reasons, the applicant should ensure that 2015 impact calculations were based on the entire square footage of the northern deck.

<u>Response</u>: A recalculation of the 2015 impacts assuming the entire deck as an impact, Wetland impacts are 3,450sf, and wetland buffer impacts 1,863sf.

The applicant should provide detailed discussion and associated impact calculations, if applicable, of the
proposed excavation and grading activities. Grading should be designated as permanent wetland impact
and mitigated appropriately.

<u>Response</u>: As requested, all structures and grading are now considered a permanent impacts as shown on the attached Wetland and Buffer Impact Site plan dated revised 12-17-18.

6. Provide detailed information about the fence or wall that surrounds the development.

<u>Response</u>: There is no fence or wall around the proposed development. The only fencing will be a temporary silt fence during construction.

If the area encompassed by the perimeter fence or wall will be permanently disturbed, then appropriate
mitigation should be implemented based on the impact area.

<u>Response</u>: The retaining wall isnow considered a permanent impact.

8. A house maintenance area should be calculated and mitigated.

Response: A 5' BSBL area has been calculated as an impact as requested.

 An additional offset or paper buffer of 5 feet from the maintenance area is appropriate; impacts should be calculated and mitigation implemented.

<u>Response</u>: A 5' BSBL area has been calculated as an impact as requested.

10. Recalculate buffer impacts applying the 50-foot wetland buffer.

Response: The total wetland buffer impact area using 50' has been calculated as requested, and results in 3,479sf of buffer impact.

11. Include the northern retaining wall in the impact area calculation.

Response: The northern wall has been calculated as a permanent impact.

12. Consider installing conveyance from the proposed grading area located at the southwestern portion of the development to route water around the house and discharge and spread flow north and northwest of the

house to provide continued hydrology to the down-gradient wetland and stream. Provide discussion as to how the proposed stormwater facility affects the delivery of groundwater and surface waters to the down-gradient wetland and stream.

<u>Response</u>: Water from the excavated areas will be collected through footing drains and discharged through a spreader into the wetland to the northwest as requested. This will help maintain current hydrologic patters and maintain hydrology to the wetland and stream located north of the structure.

13. Apply Core Design BMPs to the proposed project.

Response: BMPs recommended in Core's March 23, 2018 Report will be adopted & implemented

14. Mitigation discussion within the CAR should clarify the type of onsite mitigation.

<u>Response</u>: The mitigation for the project will consist of two actions;

1. On-site buffer enhancement to include under planting the existing buffer with conifers, as well as replanting areas that are graded

and under the elevated decks. This is depicted on the attached Critical Area Enhancement Plan revised to 1-24-19.

- 2. Purchase of off-site credits from the King County Mitigation Reserves program to compensate for permeant wetland impacts.
 - 15. Mitigate onsite to compensate for permanent buffer impacts.

<u>Response</u>: On-site wetland buffer enhancement includes removal of any blackberry and under planting with conifers as depicted on the attached Critical Area Enhancement Plan revised to 1-24-19.

If you have any questions in regards to this report or need additional information, please feel free to contact me at (253) 859-0515 or at esewall@sewallwc.com.

Sincerely,

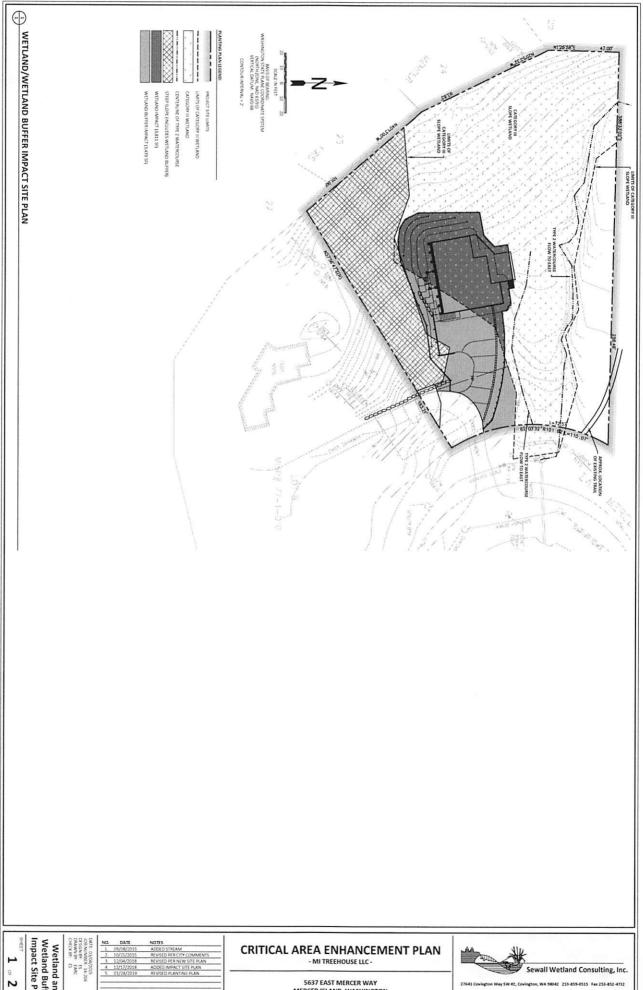
Sewall Wetland Consulting, Inc.

Il Sent

Ed Sewall

Senior Wetlands Ecologist PWS #212

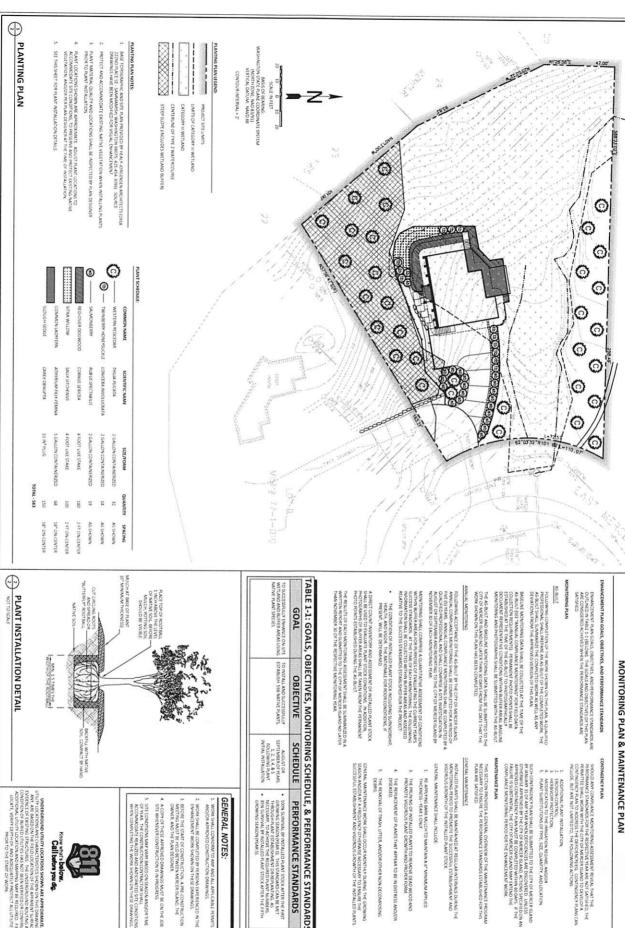
Attached: Critical Area Enhancement Plan revised to 1-24-19



Wetland and Wetland Buffer Impact Site Plan

5637 EAST MERCER WAY MERCER ISLAND, WASHINGTON





MONITORING PLAN & MAINTENANCE PLAN

THE CONDITION OF INSTALLED PLANT STOCK INCLUDING SURVIVORSHIP HEALTH, AND VIGOR. THE RATIONALE FOR POOR CONDITIONS, IF PRESENT, WILL BE DETERMINED.

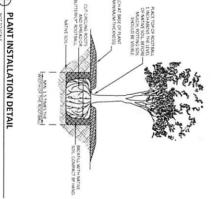
GENERAL MAINTENANCE SHALL INCLUDE

RE-APPLYING BARK MULCHTO MAINTAIN A 6" MINIMUM APPLIED THICKNESS - YEAR 1 DNLY.

THE PRUNING OF INSTALLED PLANTS TO REMOVE DEAD WOOD AND PROMOTE VIGOROUS PLANT GROWTH AND PROPER FORM.

GENERAL MAINTENANCE WORK SHALL OCCUR MONTHLY DURING THE GROWING SEASON AND/OR AT A FREQUENCY OTHERWISE NECESSARY TO ENSURE THE SUCCESSFUL ESTABLISHMENT AND VIGOROUS GROWTH OF THE INSTALLED PLANTS

TO INSTALL AND SUCCESSFULLY ESTABLISH 596 NATIVE PLANTS. OBJECTIVE SCHEDULE PERFORMANCE STANDARDS



GENERAL NOTES:

BEFORE THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING MUST BE HELD BETWEEN MERCER ISLAND, THE OWNER, AND THE PLAN DESIGNER. WORK SHALL BE COMPLETED BY PERSONS EXPERIENCED IN THE ENHANCEMENT WORK SHOWN ON THESE DRAWINGS.

A COPY OF THESE APPROVED DRAWINGS MUST BE ON THE JOI SITE WHENEVER CONSTRUCTION IS IN PROGRESS.



Planting Plan, Notes, Details, & Monitoring Plan

2 or 2

NO.	DATE	NOTES
1.	09/08/2015	ADDED STREAM
2.	10/21/2015	REVISED PER CITY COMMENTS
3.	12/04/2018	REVISED PER NEW SITE PLAN
4.	12/17/2018	ADDED IMPACT SITE PLAN
5.	01/24/2019	REVISED PLANTING PLAN

CRITICAL AREA ENHANCEMENT PLAN - MI TREEHOUSE LLC -

5637 EAST MERCER WAY MERCER ISLAND, WASHINGTON



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