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**MITIGATION SITE PLAN**

**PLANT INSTALLATION NOTES:**

1. PLANT MATERIAL QUALITY AND LOCATIONS SHALL BE INSPECTED BY PLAN DESIGNER OR OWNER PRIOR TO INSTALLATION.
2. PLANT LOCATIONS SHOWN ARE APPROXIMATE. ADJUST PLANT LOCATIONS TO ACCOMMODATE SITE CONDITIONS, TO PRESERVE AND PROTECT EXISTING NATIVE VEGETATION, AND/OR PER PLAN DESIGNER AT TIME OF INSTALLATION.
3. FOLLOWING PLANT INSTALLATION, PLACE MULCH AT THE BASE OF EACH INSTALLED PLANT.

**PLANT MATERIAL SPECIFICATIONS:**

1. PLANTS SHALL BE DERIVED FROM STOCK ACCLIMATED TO WASHINGTON ENVIRONMENTAL CONDITIONS,
2. PLANTS SHALL BE AND PROPAGATED STOCK NATIVE TO THE PACIFIC NORTHWEST.
3. PLANTS SHALL BE NORMAL IN PATTERN OF GROWTH, HEALTHY, WELL-BRANCHED AND HAVE ALL LEADERS AND BUDS INTACT. TREES SHALL NOT HAVE SUNSCALDS, DISFIGURING KNOTS, FRESH CUTS OF LIMBS, DAMAGED LEADERS, AND/OR DEFORMED TRUNKS.
4. CONTAINERIZED PLANT STOCK SHALL BE GROWN IN A CONTAINER LONG ENOUGH TO DEVELOP A ROOT SYSTEM THAT REACHES THE EDGES OF THE CONTAINER IN WHICH IT HAS GROWN. TREES AND SHRUBS SHALL BE WELL ROOTED AND SHALL HAVE SUFFICIENT ROOT MASS TO HOLD TOGETHER THE SOIL, IN WHICH PLANT IS GROWING, WHEN REMOVED FROM THE POT.

**PLANT SCHEDULE**

	COMMON NAME	SCIENTIFIC NAME	SIZE/FORM	QTY
	PACIFIC SILVER FIR	ABIES AMABILIS	2 GALLON	8
	DOUGLAS FIR	PSUEDOTSUGA MENZIESII	2 GALLON	8
	MOUNTAIN HEMLOCK	TSUGA MERTENSIANA	2 GALLON	9
	SITKA WILLOW	SALIX SITCHENSIS	4' LIVE STAKE	10

**MULCH SPECIFICATION:**

MULCH SHALL BE COMMERCIALY AVAILABLE "MEDIUM MULCH" (WWW.PACIFICTOPSOILS.COM; 425-337-2700), ARBORIST CHIPS, OR APPROVED EQUAL. MULCH SHALL NOT CONTAIN RESIN, TANNIN, OR OTHER COMPOUNDS IN QUANTITIES THAT WOULD BE DETRIMENTAL TO PLANT LIFE. MULCH SHALL NOT BE DERIVED FROM STUMP GRINDINGS AND SHALL NOT CONTAIN SOIL. HOG FUEL OR EQUAL IS NOT ACCEPTABLE. SUBJECT TO REVIEW BY THE PLAN DESIGNER, LOCAL ARBORIST AND/OR COMMERCIAL TREE TRIMMING COMPANIES MAY BE ALTERNATIVE ACCEPTABLE MATERIAL SOURCES.

**RECEIVED**  
By Jeremiah Cromie at 10:56 am, May 31, 2023

**MONITORING PLAN:**

THE TEN (10) YEAR MONITORING PLAN OUTLINED BELOW WILL ENSURE AND DOCUMENT THAT THE PERFORMANCE STANDARDS ESTABLISHED FOR THIS PLAN HAVE BEEN MET. THE LOT OWNER IS RESPONSIBLE FOR SUCCESSFUL COMPLETION OF THE WORK DESCRIBED ON THIS PLAN. IF THE PROPERTY IS SOLD OR PROPERTY OWNERSHIP IS OTHERWISE TRANSFERRED, RESPONSIBILITY FOR ANY REMAINING WORK SHALL BE TRANSFERRED TO THE NEW OWNER AND RECORDED WITH KITTITAS COUNTY.

**PLAN GOALS, OBJECTIVES, AND PERFORMANCE STANDARDS**

MITIGATION PLAN GOALS, MONITORING SCHEDULE, AND PERFORMANCE STANDARDS ARE OUTLINED BELOW. THE GOALS OF THIS PLAN ARE CONSIDERED ACHIEVED WHEN THE PERFORMANCE STANDARDS ARE SATISFIED.

**GOAL #1 - RESTORE/ENHANCE ON-SITE STREAM BUFFER**

- OBJECTIVE #1 - INSTALL NATIVE PLANTINGS WITHIN THE BUFFER AREAS SHOWN ON THIS DRAWING
  - PERFORMANCE STANDARD #1 - PLANT SURVIVAL
    - YEAR 1 - 100% SURVIVAL
    - YEAR 2 THROUGH YEAR 10 - 85% SURVIVAL
- THIS STANDARD CAN BE ACHIEVED THROUGH PLANT ESTABLISHMENT OR THROUGH PLANT REPLACEMENT. THE MONITORING PERIOD SHALL END IF THE PERCENT SURVIVAL STANDARD IS MET AT YEAR 5.

**AS-BUILT**

FOLLOWING COMPLETION OF THE WORK SHOWN ON THIS PLAN, A QUALIFIED PROFESSIONAL SHALL PREPARE AN AS-BUILT OF THE COMPLETED WORK. THE AS-BUILT SHALL SUMMARIZE THE COMPLETED WORK AS WELL AS ANY DEVIATIONS FROM THE APPROVED VERSION OF THIS PLAN. THE AS-BUILT SHALL BE SUBMITTED TO KITTITAS COUNTY NO LATER THAN 30 DAYS FROM THE DATE THAT THE WORK SHOWN ON THIS PLAN HAS BEEN COMPLETED.

**ANNUAL MONITORING (10 YEARS)**

ANNUAL MONITORING SHALL BE COMPLETED FOR A PERIOD OF TEN (10) YEARS. UNLESS OTHERWISE ALLOWED BY KITTITAS COUNTY, ANNUAL MONITORING SHALL BE COMPLETED BY A QUALIFIED PROFESSIONAL AND SHALL COMPRISE A SITE INVESTIGATION IN AUGUST OR SEPTEMBER AND REPORTING TO KITTITAS COUNTY NO LATER THAN 30 DAYS FOLLOWING EACH MONITORING. THE PURPOSE OF THE SITE INVESTIGATION IS TO EVALUATE CONDITIONS WITHIN THE PLANTING AREAS PER THE CURRENT YEAR'S PERFORMANCE STANDARDS. THE FOLLOWING INFORMATION SHALL BE COLLECTED AND ASSESSED RELATIVE TO THE PERFORMANCE STANDARDS ESTABLISHED FOR THE PROJECT:

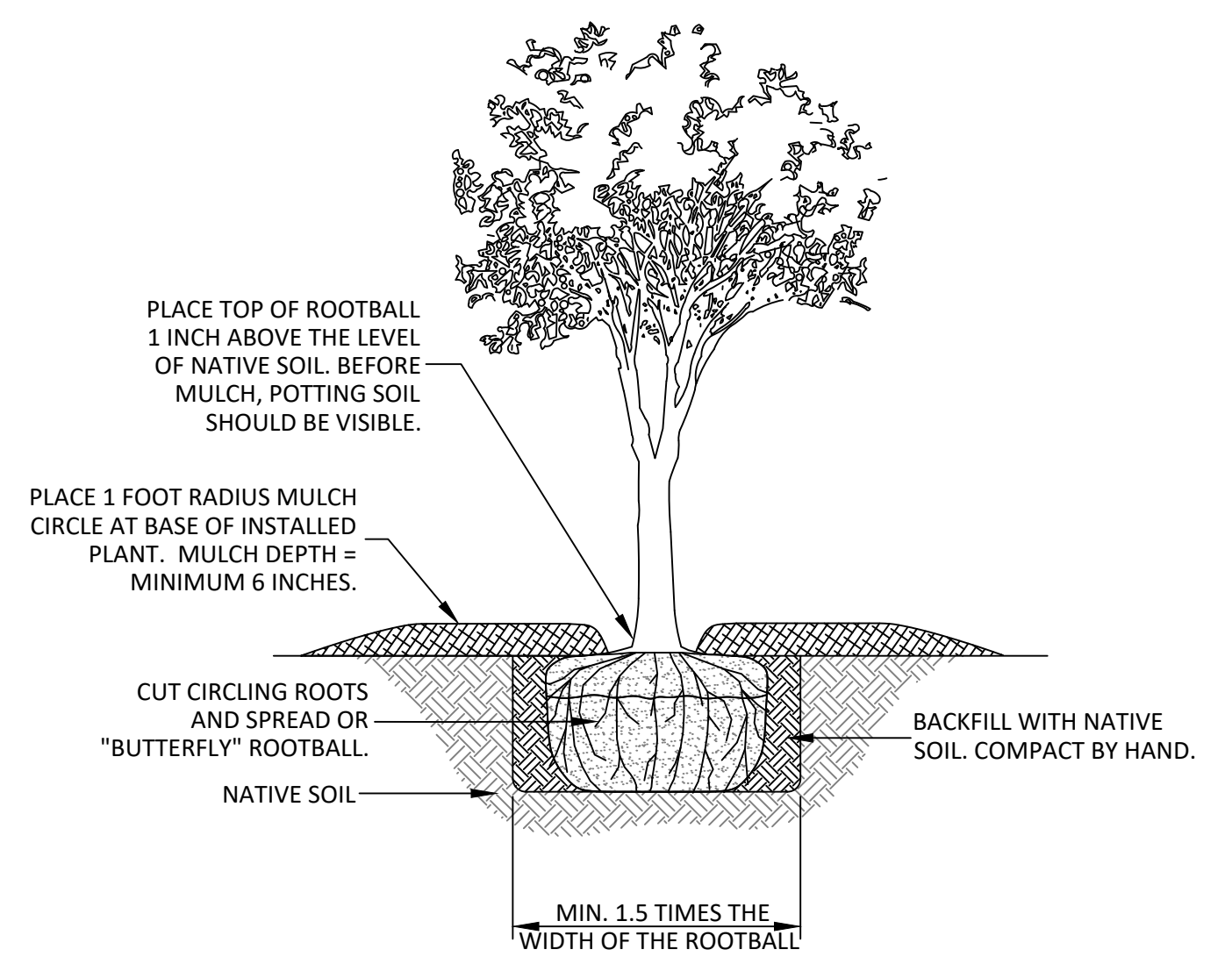
- PERCENT SURVIVAL: A DIRECT COUNT INVENTORY AND ASSESSMENT OF ALL INSTALLED PLANTS SHALL BE USED TO EVALUATE PERCENT SURVIVAL. THE RATIONALE FOR POOR CONDITIONS, IF PRESENT, WILL BE DETERMINED TO THE EXTENT FEASIBLE.
- IN ADDITION TO THE ABOVE INFORMATION, PHOTOGRAPHS SHALL BE TAKEN FROM THE PERMANENT PHOTO POINTS.
- THE RESULTS OF EACH MONITORING ASSESSMENT SHALL BE SUMMARIZED IN A WRITTEN REPORT AND SUBMITTED TO KITTITAS COUNTY NO LATER THAN 30 DAYS FOLLOWING EACH MONITORING.

**MAINTENANCE PLAN:**

INSTALLED PLANTS SHALL BE MAINTAINED AT REGULAR INTERVALS DURING THE MONITORING PERIOD TO PROMOTE THE SUCCESSFUL ESTABLISHMENT AND VIGOROUS GROWTH OF THE INSTALLED PLANT STOCK. GENERAL MAINTENANCE SHALL INCLUDE: 1) RE-APPLYING BARK MULCH TO MAINTAIN A 6" MINIMUM APPLIED THICKNESS - YEAR 1 ONLY; 2) THE PRUNING OF INSTALLED PLANTS TO REMOVE DEAD WOOD AND PROMOTE VIGOROUS PLANT GROWTH AND PROPER FORM; 3) THE REPLACEMENT OF PLANTS THAT APPEAR TO BE IN DISTRESS AND/OR DISEASED; AND/OR 4) THE REMOVAL OF TRASH, LITTER, AND/OR OTHER NON-DECOMPOSING DEBRIS. 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.

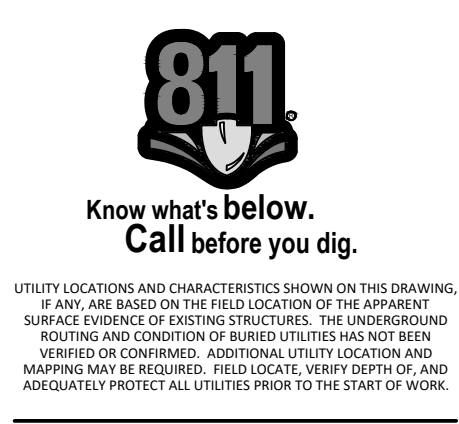
**CONTINGENCY PLAN:**

SHOULD ANY MONITORING ASSESSMENT REVEAL THAT THE PERFORMANCE STANDARDS FOR THE RESPECTIVE YEAR ARE NOT SATISFIED, THE PERMITTEE SHALL WORK WITH KITTITAS COUNTY TO DEVELOP A CONTINGENCY PLAN TO ADDRESS THE DEFICIENCY(IES). CONTINGENCY PLANS CAN INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING ACTIONS: 1) ADDITIONAL PLANT INSTALLATION; 2) EROSION CONTROL; 3) HERBIVORY PROTECTION; 4) MODIFICATION TO THE IRRIGATION REGIME; AND/OR 5) PLANT SUBSTITUTIONS OF TYPE, SIZE, QUANTITY, AND LOCATION. SUCH CONTINGENCY PLAN SHALL BE SUBMITTED TO KITTITAS COUNTY WITHIN 30 DAYS OF WHEN DEFICIENCIES ARE DISCOVERED. UNLESS OTHERWISE APPROVED BY KITTITAS COUNTY, ACTIONS SPECIFIED ON AN APPROVED CONTINGENCY PLAN MUST BE COMPLETED WITHIN 60 DAYS. IF THE FAILURE IS SUBSTANTIAL, KITTITAS COUNTY MAY EXTEND THE COMPLIANCE MONITORING PERIOD FOR THE ENHANCEMENT WORK.



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**PLANT INSTALLATION DETAIL**

**CRITICAL AREA MITIGATION PLAN**  
- KOTSANICH RESIDENCE -



NO.	DATE	NOTES
1.	03/15/23	MISCELLANEOUS REVISIONS
2.	05/04/23	REVISED PLANTING PLAN
2.	05/30/23	REVISED PLANTING PLAN

DATE: 01/31/2023  
JOB NUMBER: 22-182

**MITIGATION SITE PLAN, NOTES, & DETAILS**