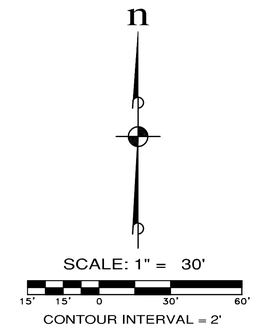
DUKE'S LANDING PRELIMINARY PLAT

A PORTION OF NW 1/4 OF THE SW 1/4 OF SEC. 13, TWP. 25 N., RGE. 5E, KING CO. WA



TREE PROTECTION MEASURES

PER RZC 21.12.070, THE FOLLOWING TREE PROTECTION MEASURES ARE REQUIRED:

A. Tree Protection Measures. To ensure long-term viability of trees and stands identified for protection, permit plans, and construction activities shall comply with the following minimum required tree protection:

1. All minimum required tree protection measures shall be shown on the tree protection and replacement plan.
2. All construction activities, including staging and traffic areas, shall be prohibited within five feet of the drip line of protected trees.
3. Tree protection barriers shall be installed five feet beyond the drip line of significant trees to be protected prior to any land disturbance.
4. Tree protection barriers shall be a minimum of four feet high, constructed of chain link, or polyethylene laminar safety fencing or similar material, subject to approval by the Administrator. On large or multiple-project sites, the Administrator may also require that signs requesting subcontractor cooperation and compliance with tree protection standards be posted at site entrances.
5. Where tree protection areas are remote from areas of land disturbance, and where approved by the Administrator, alternative forms of tree protection may be used in lieu of tree protection barriers, provided that protected trees are completely surrounded with continuous rope or flagging and are accompanied by 'Tree Save Area –Keep Out' signs.

X - TREE PROPOSED TO BE REMOVED

- TREE PROPOSED TO BE RETAINED

TREE PRESERVATION SUMMARY TABLE

TREE TYPE	REMOVAL	IMPACTED	RETAINED	TOTAL
LANDMARK GREATER THAN 30" DBH	NUMBER OF REMOVED LANDMARK: 20 % OF REMOVED LANDMARK TREES OF ALL TREES: 0	NUMBER OF IMPACTED LANDMARK: 0 % OF IMPACTED LANDMARK TREES OF ALL TREES: 0	NUMBER OF RETAINED LANDMARK: 0 % OF RETAINED LANDMARK TREES OF ALL TREES: 0	TOTAL LANDMARK TREES: 0 % LANDMARK TREES OF ALL TREES: 0%
SIGNIFICANT 6" – 30" DBH	NUMBER OF REMOVED SIGNIFICANT: 38 % OF REMOVED SIGNIFICANT TREES OF ALL TREES: 63%	NUMBER OF IMPACTED SIGNIFICANT: 0 % OF IMPACTED SIGNIFICANT TREES OF ALL TREES: 0	NUMBER OF RETAINED SIGNIFICANT: 22 % OF RETAINED SIGNIFICANT TREES OF ALL TREES: 37%	TOTAL LANDMARK TREES: 0 % SIGNIFICANT TREES OF ALL TREES: 100%
TOTALS	NUMBER OF LANDMARK + SIGNIFICANT REMOVED: 38 % OF REMOVED OF ALL TREES: 63%	NUMBER OF LANDMARK + SIGNIFICANT IMPACTED: 0 % OF IMPACTED OF ALL TREES: 0%	NUMBER OF LANDMARK + SIGNIFICANT RETAINED: 22 % OF RETAINED OF ALL TREES: 37%	TOTAL NUMBER OF ALL HEALTHY TREES: 60

UNHEALTHY TREES (DEAD, DISEASED OR DYING) AS REPORTED BY THE CONSULTING ARBORIST ARE NOT INCLUDED IN THE SIGNIFICANT TREE COUNT. THERE ARE 32 UNHEALTHY TREES IN THIS CATEGORY ON THE PROJECT SITE.

TREE COUNT TABLE

TREE NO.	UNHEALTHY	RETAINED	REMOVED	TREE NO.	UNHEALTHY	RETAINED	REMOVED	TREE NO.	UNHEALTHY	RETAINED	REMOVED	TREE NO.	UNHEALTHY	RETAINED	REMOVED
1			1	26	1			51			1	76	1		
2			1	27		1		52			1	77	1		
3			1	28	1			53			1	78		1	
4			1	29	1			54	1			79		1	
5			1	30	1			55			1	80	1		
6			1	31	1			56	1			81		1	
7			1	32	1			57	1			82		1	
8			1	33	Tree Does Not Exist			58	1			83	1		
9			1	34	1			59	1			84	1		
10			1	35	1			60	1			85	1		
11			1	36	1			61	1			86		1	
12			1	37			1	62		1		87		1	
13			1	38			1	63		1		88	1		
14			1	39			1	64		1		89		1	
15			1	40			1	65		1		90	1		
16			1	41			1	66		1		91	1		
17			1	42	1			67		1		92		1	
18			1	43	Tree Less than 6" dbh			68			1	93		1	
19	1			44			1	69			1	94	Tree Less than 6" dbh		
20			1	45			1	70		1		95	Tree Less than 6" dbh		
21			1	46			1	71		1		96		1	
22	1			47			1	72		1		97	1		
23				48			1	73		1		98	1		
24	1			49			1	74		1		Totals	33	22	38
25	1			50			1	75	1						

TREE 33, FORMERLY LOCATED ON–SITE, WAS DAMAGED BY NATURAL CAUSES AND SUBSEQUENTLY REMOVED. IT HAS NOT BEEN INCLUDED IN THE TREE CALCULATIONS.

TREE PRESERVATION LEGEND

- DECIDUOUS TREES, INCLUDING SWEETGUM, CHERRY, BIGLEAF MAPLE, RED ALDER & LOMBARDY POPLAR TO BE REMOVED. PLEASE SEE THE ARBORIST REPORT FOR MORE INFORMATION.
- CONIFEROUS TREES, INCLUDING PONDEROSA PINE, CYPRESS, WESTERN RED CEDAR & DOUGLAS FIR TO BE REMOVED. PLEASE SEE THE ARBORIST REPORT FOR MORE INFORMATION.
- UNHEALTHY TREES TO BE REMOVED
- HEALTHY TREES TO BE RETAINED (NO CONSTRUCTION WITHIN 5' OF DRIPLINE)
- DRIP LINE
- 5' DRIP LINE SETBACK
- LANDSLIDE HAZARD AREA FIELD VERIFIED BY TERRA ASSOCIATES, INC.

REVISIONS

NO.	DESCRIPTION/DATE	BY
0	FIRST SUBMITTAL 03/13/2015	ESM
1	SECOND SUBMITTAL 05/05/2015	ESM

05/05/2015

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
LEANNE D. KUHLMAN
CERTIFICATE No. 743

ESM CONSULTING ENGINEERS LLC
33400 8th Ave S, Suite 205
Federal Way, WA 98003
FEDERAL WAY (253) 838-6113
EVERETT (425) 257-9600
www.esmcivil.com
Civil Engineering | Land Planning
Public Works | Land Surveying | Landscape Architecture
Project Management

DUKE'S LANDING, LLC

DUKE'S LANDING
TREE PRESERVATION PLAN
REDMOND WASHINGTON

JOB NO.:	1787-001-013
DWG. NAME:	TP-01
DESIGNED BY:	LDK
DRAWN BY:	LDK
CHECKED BY:	
DATE:	05/05/2015
DATE OF PRINT:	

TP-01

12 OF 12 SHEETS

File: \\ESM8\wrap\ESM-JOBS\1787\001\013\P-plat\Plat\TP-01.dwg
Plotted: 5/8/2015 10:57 AM
Plotted By: Don Lapp