

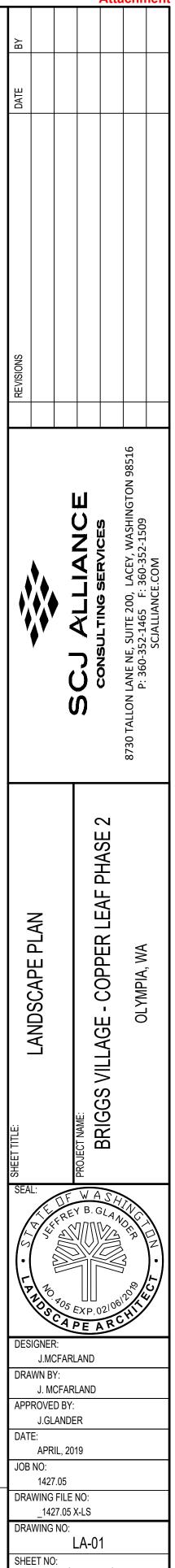
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REES	<u>QTY</u>	BOTANICAL / COMMON NAME	CAL	SIZE
	5	CALOCEDRUS DECURRENS INCENSE CEDAR	7`-8` HT., B&B/CONT.	
	3	CHAMAECYPARIS NOOTKATENSIS `PENDULA` WEEPING ALASKA CEDAR	7`-8` HT., B&B/CONT.	
	11	CORNUS X `RUTDAN` CELESTIAL DOGWOOD	B&B/CONT.	2" CAL. 10-12` HT.
	5	MALUS X `PRAIRIE FIRE` PRAIRIE FIRE CRAB APPLE	2" CAL	
$\chi_{s}^{2}$	8	SORBUS AUCUPARIA `CARDINAL ROYAL` CARDINAL ROYAL MOUNTAIN ASH	B&B/CONT.	2" CAL. 10-12` HT.
	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
$\odot$	43	BERBERIS BUXIFOLIA `NANA` DWARF MAGELLAN BARBERRY	 2 GAL	3` O.C.
Ô	26	BERBERIS THUNBERGII `AUREA` GOLDEN BARBERRY	2 GAL	3` O.C.
*	30	BERGENIA CORDIFOLIA `WINTERGLUT` HEARTLEAF BERGENIA	1 GAL	2` O.C.
<b>‡</b>	72	CAREX AUREA GOLDEN SEDGE	1 GAL	2-1/2` O.C.
Ø	66	CORNUS STOLONIFERA `KELSEYI` KELSEY DOGWOOD	5 GAL	3-1/2` O.C.
*	87	FESTUCA IDAHOENSIS `JOSEPHS` IDAHO FESCUE	1 GAL	2` O.C.
Θ	144	MAHONIA AQUIFOLIUM `COMPACTA` COMPACT OREGON GRAPE	2 GAL	3` O.C.
0	60	PENNISETUM ALOPECUROIDES `HAMELN` HAMELN DWARF FOUNTAIN GRASS	1 GAL	3` O.C.
$\odot$	50	PHYSOCARPUS OPULIFOLIUS `SEWARD` SUMMERWINE NINEBARK	5 GAL	4` O.C.
$\bigotimes$	28	POTENTILLA FRUTICOSA `MANGO TANGO` SHRUBBY CINQUEFOIL	2 GAL	3` O.C.
$\oplus$	50	PRUNUS LAUROCERASUS `MOUNT VERNON` MOUNT VERNON LAUREL	2 GAL	2-1/2` O.C.
$\bigcirc$	18	RHODODENDRON X `UNIQUE` UNIQUE RHODODENDRON	5 GAL, 18" MIN. HT.	4` O.C.
0	75	SARCOCOCCA HOOKERIANA HUMILIS SWEET BOX	2 GAL	3` O.C.
$\odot$	38	SPIRAEA BETULIFOLIA `TOR` BIRCHLEAF SPIREA	3 GAL	4` O.C.
$\odot$	14	SYMPHORICARPOS ALBUS COMMON WHITE SNOWBERRY	5 GAL	4` O.C.
O	45	SYMPHORICARPOS MOLLIS CREEPING SNOWBERRY	2 GAL	3` O.C.
HRUB AREAS	<u>QTY</u>	BOTANICAL / COMMON NAME	CONTT	SPACING
	57	FERN MIX MIXED FERNS	1 GAL	2-1/2` O.C.
	183	LOW NATIVE SHRUB MIX LOW SHRUB MIX	1 GAL	2-1/2` O.C.
ROUND COVERS	<u>QTY</u>	BOTANICAL / COMMON NAME	CONT	SPACING
	285	ARCTOSTAPHYLOS UVA-URSI KINNIKINNICK	1 GAL	2` O.C.
	236	COTONEASTER DAMMERI `LOWFAST` LOWFAST BEARBERRY COTONEASTER	1 GAL	2-1/2` O.C.
	226	MAHONIA REPENS CREEPING MAHONIA	1 GAL	2` O.C.

BY: \_\_\_\_\_ Date: \_\_\_\_

APPROVAL EXPIRES:

THESE PLANS HAVE NOT BEEN APPROVED BY THE GOVERNING AGENCY AND ARE SUBJECT TO CHANGE.



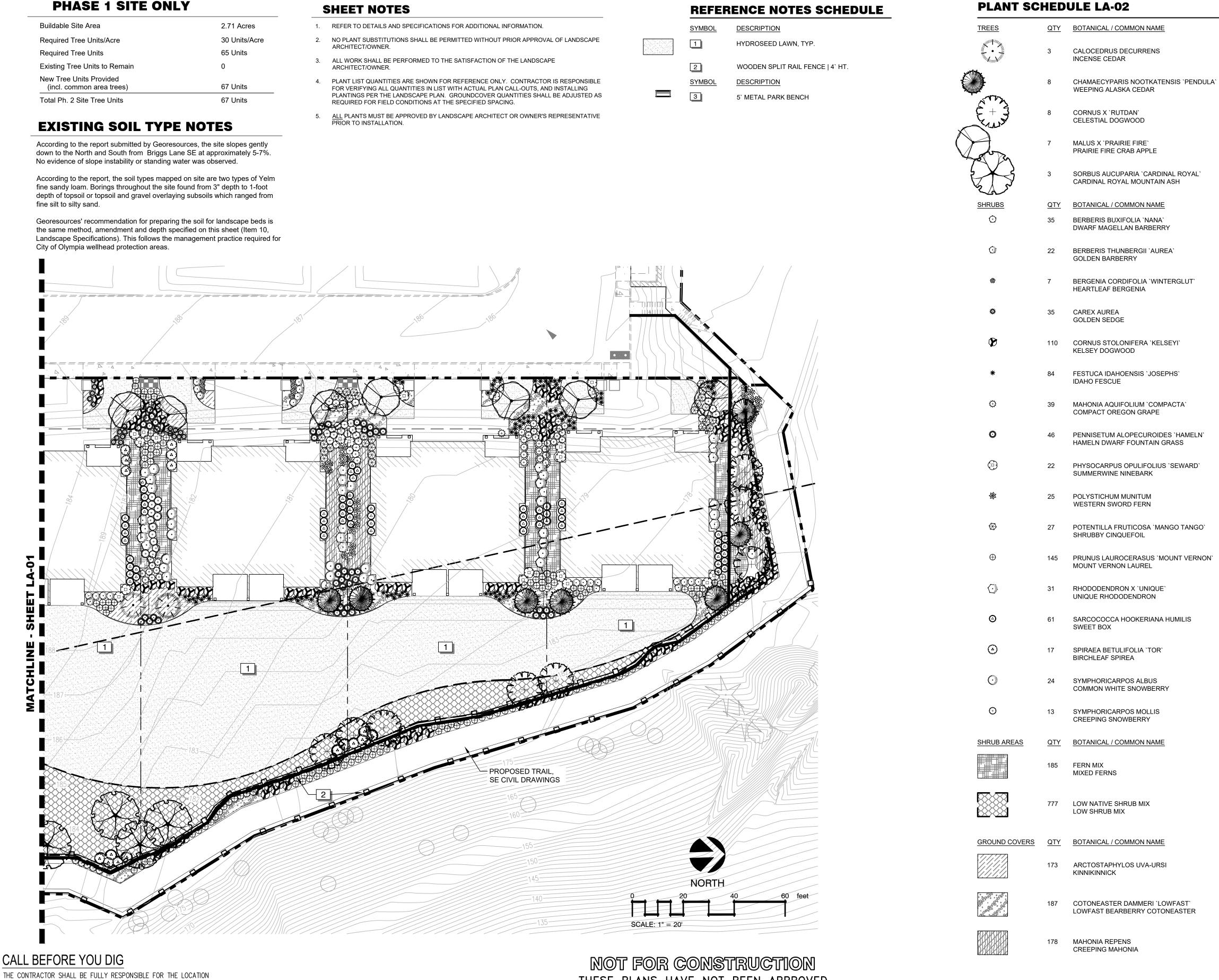
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Attachment

# **TREE UNIT CALCULATIONS PHASE 1 SITE ONLY**

Buildable Site Area	2.71 Acres
Required Tree Units/Acre	30 Units/Acre
Required Tree Units	65 Units
Existing Tree Units to Remain	0
New Tree Units Provided (incl. common area trees)	67 Units
Total Ph. 2 Site Tree Units	67 Units

- ARCHITECT/OWNER.
- REQUIRED FOR FIELD CONDITIONS AT THE SPECIFIED SPACING.

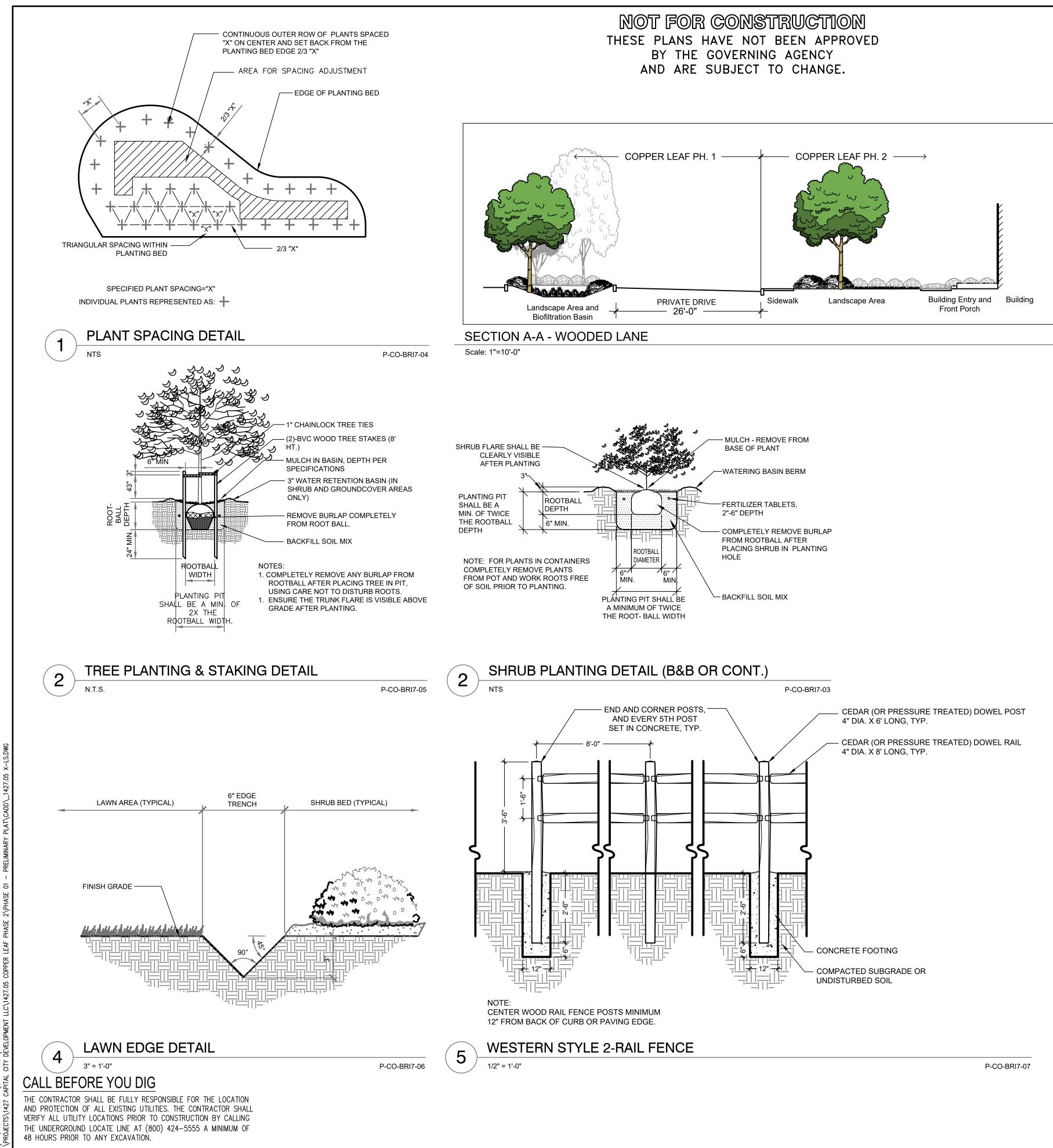


AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT (800) 424-5555 A MINIMUM OF

48 HOURS PRIOR TO ANY EXCAVATION.

THESE PLANS HAVE NOT BEEN APPROVED BY THE GOVERNING AGENCY AND ARE SUBJECT TO CHANGE.

			<b>-</b>	
			BY	
<u>CAL</u> 7`-8` HT., B&B/CONT.	<u>SIZE</u>		DATE	
7-0 m., Bab/00m.				
7`-8` HT., B&B/CONT.				
B&B/CONT.	2" CAL. 10-12` HT.			
2" CAL				
B&B/CONT.	2" CAL. 10-12` HT.			
SIZE	SPACING		S	
2 GAL	3` O.C.		REVISIONS	
2 GAL	3` O.C.		RE	
				16
1 GAL	2` O.C.			0N 985
1 GAL	2-1/2` O.C.			ES ES ASHINGTO 509
5 GAL	3-1/2` O.C.			SCJ ALLIANCE consulting services 8730 TALLON LANE NE, SUITE 200, LACEY, WASHINGTON 98516 P: 360-352-1465 F: 360-352-1509 SCJALLIANCE.COM
1 GAL	2` O.C.			XLL TINGS 165 F: 3 LLIANCE.
2 GAL	3` O.C.		<b>`∳`</b>	NSUL SO-352-1
1 GAL	3` O.C.			S C C C C C C C C C C C C C C C C C C C
5 GAL	4` O.C.			8730 TALI
2 GAL	3` O.C.			
2 GAL	3` O.C.			SE 2
2 GAL	2-1/2` O.C.			- PHA
5 GAL, 18" MIN. HT.	4` O.C.		AN	R LEAF
2 GAL	3` O.C.		LANDSCAPE PI	E - COPPEF OLYMPIA, WA
3 GAL	4` O.C.		NDSC/	)E - C(
5 GAL	4` O.C.		LAN	/ILLAG
2 GAL	3` O.C.			CT NAME: BRIGGS VILLAGE - COPPER LEAF PHASE 2 OLYMPIA, WA
<u>CONTT</u>	SPACING		SHEET TITLE:	PROJECT NAME: BRIG
1 GAL	2-1/2` O.C.		SEAL:	WAS
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1 GAL	2-1/2` O.C.			
CONT	SPACING		PERIONED	5 EXP.02106 20 4
1 GAL	2` O.C.		J.MCFA	RLAND
1 GAL	2-1/2` O.C.		APPROVED B	
			J.GLAN DATE: APRIL, 1	DER
1 GAL	2` O.C.		JOB NO: 1427.05	
		APPROVED FOR CONSTRUCTION	DRAWING FIL _1427.0	
		BY: Date:	DRAWING NC	): LA-02
		APPROVAL EXPIRES:	SHEET NO:	7 OF 8



LANDSCAPE SPECIFICATIONS

- 1. REFER TO DETAILS FOR ADDITIONAL INFORMATION.
- SPECIFIED TOPSOIL. DISPOSE OF EXCAVATED MATERIAL OFF SITE.
- APPLICATION.
- 5. CONFORM TO OMC 18.32.225A.2(B).
- ALL PLANTS SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK.
- BE THOROUGHLY WATERED IMMEDIATELY AFTER PLANTING WITH ALASKA FISH FERTILIZER SOLUTION.
- EQUAL TO:

ALL NON-COMPOSTABLE MATERIALS WILL BE REMOVED FROM SITE.

- SMOOTH. COMPACTING AS REQUIRED AND REMOVING ALL ROCKS, CLODS AND DEBRIS.
- 11. LAWN AREAS (SEED OR SOD REFER TO PLANS) SHALL CONSIST OF ONE OF THE FOLLOWING TURF TYPES:

60% TURF-TYPE PERENNIAL RYE GRASS VARIETIES 20% BLUEGRASS 20% HARD FESCUE

- 13. ALL TREES IN LAWN AREAS SHALL BE PLANTED IN A 3' DIAMETER CIRCLE OF BED MULCH.
- ORGANIC FERTILIZERS REGISTERED WITH WASHINGTON DEPARTMENT OF AGRICULTURE."
- THAN A MAXIMUM 4LBS. OF NITRATE NITROGEN SHALL BE USED ANNUALLY):

TREES OVER 10' HEIGHT	2 CUPS	TREES UNDER 10' HEIGHT:	1 CUP	ALL SHRUBS EXCEPT 1 GALLONS:	1/2 CUP
1 GALLON PLANTS:	1/4 CUP	GROUND COVERS:	1/4 CUP		

- COVERS: 1-10 GRAM TABLET EACH. SET TABLETS DIRECTLY NEXT TO ROOTBALL.
- STANDARDS [OMC 18.32.225(A)(2)(A)]
- 20. ALL WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT/OWNER.
- ADJUSTED AS REQUIRED FOR FIELD CONDITIONS AT THE SPECIFIED SPACING.
- COMPLETION OF ALL LANDSCAPE INSTALLATION ACTIVITIES AND SHALL INCLUDE THE FOLLOWING:
- A. MOW LAWNS ONCE PER WEEK.
- REPLACE DEAD OR UNHEALTHY PLANTS.

2. CHEMICALLY KILL (CHEMICALS MUST MEET WELL HEAD PROTECTION AREAS MINIMUM MITIGATION STANDARDS-SEE THURSTON COUNTY'S INTEGRATED PEST MANAGEMENT PROGRAM) AND REMOVE FROM SITE ALL EXISTING WEEDS AND VEGETATION NOT SHOWN TO REMAIN ON PLANS.

DISTRIBUTE IMPORTED SANDY LOAM TOPSOIL (APPROVED BY THE LANDSCAPE ARCHITECT) IN AREAS SHOWN AND AT DEPTHS INDICATED FOR CROWNING AND BERMING OF LANDSCAPE AREAS, AND BACKFILL OF RETAINING WALLS (IF REQUIRED). DOTTED LINES INDICATE 1' CONTOUR INTERVALS. ALL LANDSCAPE AREAS SHALL RECEIVE TOPSOIL, WHETHER INDICATED ON PLANS OR NOT, SO THAT FINISH GRADES OF ALL SHRUB BEDS SHALL BE 2" BELOW TOPS OF ADJACENT CURBS AND PAVEMENT, AND LAWN AREAS SHALL BE 1/2" BELOW TOPS OF ADJACENT CURBS AND PAVEMENT. STRUCTURAL FILL AREAS: ANY LANDSCAPE AREAS OCCURRING WITHIN STRUCTURAL FILL ZONES SHALL HAVE SAID STRUCTURAL FILL MATERIALS EXCAVATED TO A DEPTH OF 12" BELOW FINISH GRADES IN SHRUB AREAS AND 6" BELOW GRADE IN LAWN AREAS, AND REPLACED WITH

4. FINE GRADE ALL LANDSCAPE BEDS PRIOR TO PLANTING OPERATIONS. ALL NON-COMPOSTABLE MATERIALS SHALL BE REMOVED BY HAND AFTER

NO PLANT SUBSTITUTIONS SHALL BE PERMITTED WITHOUT PRIOR APPROVAL OF LANDSCAPE ARCHITECT/OWNER. ANY SUBSITUTIONS SHALL

7. ALL PLANT MATERIALS AND PLANT LOCATIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ALL PLANTS SHALL

8. ROOT BARRIER SHALL BE INCORPORATED ADJACENT AND PARALLEL TO PAVING, CURB AND SIDEWALK, A MINIMUM OF 15 LINEAR FEET (7.5' ON EITHER SIDE OF TRUNK), 24" DEEP, WHERE ANY TREE IS WITHIN 8' OF PAVING, CURB OR SIDEWALK. ROOT BARRIER SHALL BE DEEPROOT UB-24 AS AVAILABLE FROM EWING IRRIGATION PRODUCTS, 2901 S TACOMA WAY, TACOMA, WA 98409 (253) 476-9530 OR APPROVED EQUAL.

9. SOIL AMENDMENT FOR SOIL PREPARATION AND PLANTING BACKFILL SHALL BE A SCREENED 5/8" MINUS NITRIFIED WOOD RESIDUAL COMPOST

A. "TOP GRADE COMPOST" BRAND COMPOST AS AVAILABLE FROM SILVER SPRINGS ORGANICS, RAINIER, WA (360) 446-7645. "CEDAR GROVE COMPOST" BRAND COMPOST AS AVAILABLE FROM CEDAR GROVE COMPOST. MAPLE VALLEY, WA (877) 764-5748. PREP/LRI COMPOST AS AVAILABLE FROM RANDLES SAND AND GRAVEL, INC., PUYALLUP, WA (253) 537-6828.

10. SOIL PREPARATION - (ALL LANDSCAPE AREAS) MUST MEET WELL HEAD PROTECTION AREAS MINIMUM MITIGATION STANDARDS [OMC 18.32.225(A)(2)(A)]. FOR PLANTING BEDS SPREAD 9 C.Y. OF SPECIFIED SOIL AMENDMENT PER 1000 S.F. (APPROX. 3" DEPTH) AND AMEND TO A SETTLED DEPTH OF 8" (INCHES) OR A TOPSOIL MIX CONTAINING 35-40% COMPOST BY VOLUME. FOR LAWN AREAS SPREAD 5.4 C.Y. OF SPECIFIED SOIL AMENDMENT PER 1000 S.F. (APPROX. 1.75" DEPTH) AND AMEND TO A SETTLED DEPTH OF 8" (INCHES) OR A TOPSOIL MIX CONTAINING 20-25% COMPOST BY VOLUME. SPREAD 100 LBS./1000 S.F. OF DOLOMITE LIME (IN LAWN AREAS ONLY), 150 LBS./1000 S.F. OF AGRICULTURAL GYPSUM AND 1 LBS./1000 S.F. OF 16-8-8 COMMERCIAL FERTILIZER OVER SOIL AMENDMENT. ROTO-TILL ALL OF THE ABOVE TO A 6"-8" DEPTH AND GRADE

60% TURF-TYPE PERENNIAL RYE GRASS VARIETIES 40% TURF-TYPE FESCUE

12. SEED AND SOD SHALL BE EQUAL TO THAT AS GROWN BY COUNTRY GREEN TURF FARMS; OLYMPIA, WA OR JB INSTANT LAWN, REDMOND, WA. SEED SHALL BE APPLIED AT 7 LBS/1000 S.F. AND INCLUDE 10 LBS./1000 S.F. OF UNITED HORTICULTURE 15-5-10 FERTILIZER IN ALL LAWN AREAS.

14. BACKFILL MIX FOR ALL PLANTS SHALL BE A BLEND OF 1/3 EXISTING SITE SOIL, 1/3 COARSE SAND, AND 1/3 SOIL AMENDMENT SPECIFIED IN NO. 9.

15. ONLY SLOW RELEASE FERTILIZERS SHALL BE APPLIED FOR THE LIFE OF THE DEVELOPMENT AT A MAXIMUM AMOUNT OF 4 LBS OF NITRATE AS NITROGEN ANNUALLY AND NO MORE THAN 1 LB PER APPLICATION FOR EVERY 1,000 SQUARE FEET OF TURF GRASS. ONLY FERTILIZER FORMULAS WITH A MINIMUM OF 50 PERCENT WATER INSOLUBLE FORM OF NITROGEN ARE PERMITTED FOR USE. APPROVED WATER INSOLUBLE FORMS OF NITROGEN INCLUDE SULFUR AND/OR POLYMER COATED FERTILIZERS, ISOBUTYLIDENE DIUREA (IBDU), METHYLENE UREA AND UREAFORM, AND

APPLY OSMOCOTE 18-6-12, 9 MONTH SLOW RELEASE FERTILIZER OVER THE SURFACE OF ALL PLANT PITS AT THE FOLLOWING RATES (NO MORE

17. FERTILIZER TABLETS FOR ALL PLANTS SHALL BE AGRIFORM (20-10-5) 21 GRAM OR 10 GRAM TABLETS DISTRIBUTED AS FOLLOWS: ALL TREES: 4-21 GRAM TABLETS, ALL SHRUBS (EXCEPT 1 GALLONS): 3-21 GRAM TABLETS, ALL 1 GALLONS: 1-21 GRAM TABLET, ALL 2-1/4" AND 4" POT GROUND

18. ALL SHRUB AND GROUND COVER BEDS SHALL RECEIVE A 4" DEPTH "MEDIUM/ FINE GRIND" HEM/FIR BARK MULCH AS TOP DRESSING. PLANTING AREAS BELOW THE HIGH WATER LINE OF THE STORMWATER TREATMENT AREA SHALL NOT RECEIVE BARK MULCH TOP DRESSING.

19. APPLY A GRANULAR PRE-EMERGENT HERBICIDE TO ALL SHRUB AND GROUNDCOVER BEDS AT THE CONCLUSION OF THE MAINTENANCE PERIOD. DO NOT USE CASARON OR NORASAC BRANDS. ALL FERTILIZER MUST COMPLY TO MEET WELL HEAD PROTECTION AREAS MINIMUM MITIGATION

21. ALL PLANTS SHALL BE GUARANTEED FOR ONE (1) YEAR FROM DATE OF PROJECT ACCEPTANCE. ALL REPLACED PLANTS SHALL BE RE-GUARANTEED. ALL REPLACEMENTS SHALL BE MADE WITHIN 21 DAYS OF RECEIVING WRITTEN NOTICE FROM THE OWNER. CONTRACTOR SHALL NOT BE RESPONSIBLE FOR PLANTS DYING DUE TO OWNER NEGLECT OR VANDALISM, AFTER THE MAINTENANCE PERIOD.

22. PLANT LIST QUANTITIES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES IN LIST WITH ACTUAL PLAN CALL-OUTS, AND INSTALLING PLANTINGS PER THE LANDSCAPE PLAN. GROUNDCOVER AND/OR MASS SHRUB QUANTITIES SHALL BE

23. FINAL INSPECTION SHALL OCCUR AT THE CONCLUSION OF A 60-DAY MAINTENANCE PERIOD. MAINTENANCE PERIOD SHALL COMMENCE UPON

REMOVE ALL WEEDS OVER 1" IN HEIGHT, REFER TO THE THURSTON COUNTY'S IPMP FOR ADDITONAL REQUIREMENTS.

ENSURE PROPER FUNCTION OF IRRIGATION SYSTEM, SEE OMC 18.32.225.A.2(C) FOR ADDITIONAL REQUIREMENTS. ENSURE ADEQUATE MOISTURE IS DELIVERED TO ALL LANDSCAPE BEDS INCLUDING NON-IRRIGATED AREAS. F. FERTILIZE ALL LAWNS AT CONCLUSION OF MAINTENANCE PERIOD, SEE OMC 18.32.225.A.2(A) FOR ADDITIONAL REQUIREMENTS.

24. ALL APPLICATIONS OF FERTILIZERS AND CHEMICALS SHALL BE RE-EVALUATED PRIOR TO ACTUAL LANDSCAPE INSTALLATION AND MAINTENANCE.

APPROVED FOR CONSTRUCTION

BY: \_\_\_\_\_ Date: \_\_\_\_\_

APPROVAL EXPIRES:

В				
DATE				
REVISIONS				
	SCJ ALLIANCE CONSULTING SERVICES	8730 TALLON LANE NE, SUITE 200, LACEY, WASHINGTON 98516 P: 360-352-1465 F: 360-352-1509 SCJALLIANCE.COM		
SHEET TITLE: LANDSCAPE NOTES AND DETAILS	PROJECT NAME: BRIGGS VILLAGE - COPPER LEAF PHASE 2	OLYMPIA, WA		
SEAL:	SEAL: VASA			
APRIL, 20 JOB NO: 1427.05 DRAWING FILE _1427.05 DRAWING NO:	NO:			

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