



CITY OF MERCER ISLAND
 MERCER ISLAND PUBLIC WORKS
 9601 SE 36TH STREET
 MERCER ISLAND, WA 98040
 206-275-7608
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REVISIONS			DRAWING INFORMATION	
##	DATE	DESCRIPTION	DATE	
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**SUBBASIN 46.3 WATERCOURSE
STABILIZATION PROJECT**
PLANTING PLAN

JOB NUMBER
 2008561
(RH2 JOB NO. 24-0025)
 SHEET NUMBER
L100
 SHEET 12 OF 14

LAST SAVED: By: ctereshy LAST DATE SAVED: 12/11/2025 16:24
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PLANTING AND TREE REPLACEMENT LEGEND

ESTIMATED AREA	COMMON NAME	SCIENTIFIC NAME	QTY	SIZE	SPACING DIAMETER	PLANT INDICATOR	HEIGHT AT MATURITY	PLANTING NOTES	
TREE REPLACEMENT PLANTING¹									
 	TREES								
	WESTERN RED CEDAR	<i>THUJA PLICATA</i>	1	6 FT TALL	12 FT O.C.	FAC	180 FT	PLANT IN LOCATIONS SHOWN ADJUSTING FOR EXISTING VEGETATION AND CITY-DICTATED PREFERENCES	
	CASCARA	<i>FRANGULA PURSHIANA</i>	4	1 1/2" CALIPER		FAC	25 FT		
TEMPORARY CONSTRUCTION CORRIDOR REVEGETATION									
<div style="background-color: #e0f0ff; padding: 2px;">7,000 SF²</div>	TREES								
	GRAND FIR	<i>ABIES GRANDIS</i>	10	2 GALLON	12 FT O.C.	FACU	260 FT	PLANT INDIVIDUAL TREES IN THE AREAS DISTURBED BY CONSTRUCTION AND PER THE DIRECTION OF THE OWNER. GENERALLY, PLANT CEDAR, SPRUCE, AND PINE IN LOWER ELEVATIONS NEAR THE WATERCOURSE. PLANT FIRS, HEMLOCK, AND MAPLE IN UPPER ELEVATIONS OF THE OPEN SPACE AREA. ³	
	DOUGLAS FIR	<i>PSEUDOTSUGA MENZIESII</i>	10			FACU	220 FT		
	WESTERN HEMLOCK	<i>TSUGA HETEROPHYLLA</i>	10			FACU	200 FT		
	BIG-LEAF MAPLE	<i>ACER MACROPHYLLUM</i>	10			FACU	100 FT		
	WESTERN RED CEDAR	<i>THUJA PLICATA</i>	10			FAC	180 FT		
	SITKA SPRUCE	<i>PICEA SITCHENSIS</i>	10			FAC	100 FT		
	SHORE PINE	<i>PINUS CONTORTA</i>	10	FAC	45 FT				
	SHRUBS/HERBACEOUS								
	BEAKED HAZELNUT	<i>CORYLUS CORNUTA</i>	20	1 GALLON	6 FT O.C.	FACU	20 FT	PLANT IN SINGLE SPECIES CLUSTERS OF 3 TO 6, INTERSPERSED AROUND TREES AND OTHER SHRUBS, IN THE AREAS DISTURBED BY CONSTRUCTION AND PER THE DIRECTION OF THE OWNER. PLANT CASCARA, HAWTHORN, MAPLE, SALMONBERRY AND LADY FERN IN LOWER ELEVATIONS NEAR THE WATERCOURSE. PLANT HAZELNUT, OSOBERY, OREGON GRAPE AND SWORD FERN IN UPPER ELEVATIONS OF THE OPEN SPACE AREA.	
	OSOBERY	<i>OEMLERIA CERASIFORMIS</i>	20			FACU	16 FT		
	TALL OREGON GRAPE	<i>MAHONIA AQUIFOLIUM</i>	20			FACU	6 FT		
	SWORD FERN	<i>POLYSTICHUM MUNITUM</i>	20			FACU	5 FT		
	CASCARA	<i>FRANGULA PURSHIANA</i>	20			FAC	30 FT		
	VINE MAPLE	<i>ACER CIRCINATUM</i>	20			FAC	25 FT		
BLACK HAWTHORN	<i>CRATAEGUS DOUGLASII</i>	20	FAC			20 FT			
SALMONBERRY	<i>RUBUS SPECTABILIS</i>	20	FAC			10 FT			
LADY FERN	<i>ATHYRIUM FILIX-FEMINA</i>	20	FAC			5 FT			
STREAM CORRIDOR REVEGETATION									
<div style="background-color: #e0e0ff; padding: 2px;">1,050 LF</div>	LIVE STAKES								
	PACIFIC WILLOW	<i>SALIX LUCIDA-LASIANDRA</i>	50	LIVE STAKE	3 FT O.C.	FACW	45 FT	STAKE INTO COIR LOGS PLACED ADJACENT TO ELJ'S. ALTERNATE PLACEMENT OF STAKE SPECIES TO ENSURE WILLOW AND DOGWOOD ARE PLANTED THE ENTIRE LENGTH OF THE STREAM CORRIDOR.	
	SITKA WILLOW	<i>SALIX SITCHENSIS</i>	50			FACW	24 FT		
	RED OSIER DOGWOOD	<i>CORNUS ALBA</i>	50			FACW	18 FT		

¹ REPLACEMENT TREES INTENDED TO COMPENSATE FOR REMOVAL OF FIVE (5) TREES SIZED 5-INCH DBH AND SMALLER PER MERCER ISLAND MUNICIPAL CODE 19.10.070.
² ESTIMATED AREA REFLECTS APPROXIMATE AREA OF TEMPORARY CONSTRUCTION CORRIDOR DISTURBANCE. THE OWNER WILL PROVIDE DIRECTION FOR ACTUAL PLACEMENT OF PLANTINGS TO RESTORE THE TEMPORARY CONSTRUCTION CORRIDOR AND REVEGETATE THE OPEN SPACE AREA.
³ DOUGLAS FIR PREFER SUNNIER LOCATIONS, WHILE WESTERN HEMLOCK AND CEDAR CAN TOLERATE SHADE.
⁴ RESEED ALL DISTURBED AREAS WITH NATIVE SEED MIX PER THE CITY'S DIRECTION.

PLANTING & TREE REPLACEMENT NOTES

GENERAL PLANTING NOTES:

THE CONTRACTOR SHALL COORDINATE PLANTING ACTIVITIES AND ULTIMATE LOCATIONS/AREAS WITH THE OWNER, INCLUDING SCHEDULING AND ATTENDING A PRE-PLANTING MEETING, SUCCESSFUL PLANT INSTALLATION, CITY ACCEPTANCE POST-PLANTING, AND CARE OF THE LANDSCAPED AREAS FOR A ONE-YEAR PLANT ESTABLISHMENT PERIOD. FOLLOWING THE PLANT ESTABLISHMENT PERIOD, THE CITY OR ITS ASSIGNS WILL ASSUME CARE OF THE SITE.

PLANT IN THE WET SEASON, AFTER OCTOBER 15. PLANTING DURING THE WET SEASON WILL MINIMIZE TRANSPLANT SHOCK AND SUPPLEMENTAL CARE FOR NEW PLANTINGS.

THE CONTRACTOR SHALL HANDLE AND CARE FOR PLANT STOCK STORED ON-SITE FOR LONGER THAN ONE WEEK. THIS INCLUDES, BUT IS NOT LIMITED TO, WATER PLANTINGS, WRAP / WET LIVE STAKES, AND PROTECT PLANTS FROM DAMAGE BY ELEMENTS, VANDALISM, ETC.

THE CONTRACTOR SHALL WARRANT ALL PLANT MATERIALS TO REMAIN HEALTHY AND ALIVE FOR A PERIOD OF ONE YEAR FOLLOWING SUCCESSFUL INSTALLATION ACCEPTANCE. DURING THIS PERIOD, THE CONTRACTOR SHALL GENERALLY CARE FOR PLANTINGS, MAINTAIN THE LANDSCAPED AREAS, AND ENSURE PLANTINGS RECEIVE ADEQUATE IRRIGATION. THE CITY WILL PROVIDE MAINTENANCE NEEDS FOR PLANTINGS PER IT'S OPEN SPACE MAINTENANCE PROGRAM.

THE CITY (I.E., OWNER) WILL PROVIDE ONSITE DIRECTION AT THE TIME OF PLANTING TO SHOW LOCATIONS FOR NEW PLANTS. PLANT PROCUREMENT, HANDLING AND STORAGE, AND INSTALLATION SHALL BE SUBJECT TO CITY REVIEW, DIRECTION, AND APPROVAL.

SEQUENCING:

GENERAL LANDSCAPING SEQUENCING IS DETAILED BELOW; HOWEVER, THE CONTRACTOR SHALL DETERMINE EXECUTABLE MEANS AND METHODS.

- THE CONTRACTOR SHALL SECURE ALL PLANT MATERIAL, SOILS, AND MULCH PRIOR TO BEGINNING WORK. SUBMIT NURSERY AVAILABILITY, TOPSOIL, AND MULCH SPECIFICATION SHEETS TO THE CITY FOR PRIOR APPROVAL. ALLOW 5 DAYS FOR CITY REVIEW AND APPROVAL.
- NOTIFY THE CITY 72 HOURS IN ADVANCE OF ANTICIPATED PLANTING ACTIVITIES. MEET WITH CITY STAFF AND ITS ASSIGNS PRIOR TO THE START OF LANDSCAPING. ENSURE ALL PARTIES UNDERSTAND PREFERENCES FOR PLANTING, SOIL AMENDMENT, ETC.
- PREPARE AREAS TO BE PLANTED PER PLANS AND PLANTING PLAN / DIRECTION PROVIDED BY THE CITY. CLEARING AND GRUBBING SHALL ONLY OCCUR IN AREAS TO BE PLANTED. RETAIN AND PROTECT EXISTING TREE AND SHRUB VEGETATION FROM TRAMPLING, ROOT DAMAGE, ETC. PLANTING SHALL BE COMPLETED BY HAND, UTILIZING HAND- AND LIGHT-DUTY EQUIPMENT.
- HAND-EXCAVATE PLANTING PITS. GRUB ROOTS AND RHIZOMES TO ACCOMMODATE AN AREA OF TWO TIMES THE ROOTBALL. NATIVE SOILS FREE OF INVASIVE RHIZOMES/ROOT CROWNS ARE ACCEPTABLE FOR PLANTING PITS. DISPOSE OF INVASIVE ROOTS/RHIZOMES OFF-SITE. INSTALL TREE AND SHRUB PLANT MATERIAL PER THE DETAIL (DWG NO. L102). BACKFILL PLANTING PITS WITH NATIVE SOIL. IMPORTED TOPSOIL MAY BE USED TO SUPPLEMENT BACKFILL SOILS, IF NEEDED. HAND-FORM MULCH WATERING BASINS PER THE DETAILS (DWG NO. L102).
- INSTALL LIVE STAKES PER LEGEND AND DETAILS (DWG NO. L102). ENSURE LIVE STAKES ARE INSTALLED THROUGH COIR LOGS INTO NATIVE SOIL.
- THOROUGHLY WATER-IN ALL INSTALLED PLANT MATERIAL. CONTINUE WATERING AT A RATE SUFFICIENT TO ENSURE PLANTINGS BECOME ESTABLISHED.
- INSTALL WILDLIFE PROTECTION CAGES AROUND ALL TREES AND WOODY SHRUBS PER DETAIL (DWG NO. L102).
- NOTIFY THE CITY UPON COMPLETION OF PLANT INSTALLATION TO ARRANGE FOR INSPECTION AND POST-PLANTING ACCEPTANCE.

IRRIGATION:

THE LANDSCAPE CONTRACTOR SHALL PROVIDE TEMPORARY SEASONAL WATER TO PROPOSED PLANTINGS. WATER SHALL BE SUPPLIED VIA WATER TRUCK AND/OR TEMPORARY HOSES AND CONNECTION TO ONSITE HYDRANT. COORDINATE WITH THE CITY TO ESTABLISH THE PREFERRED METHOD, CONNECTION POINT, AND METERING NEEDS. AT THE TIME OF PLANTING, WITHIN THE 30-DAY PERIOD POST-PLANTING, AND THROUGHOUT THE SUMMER MONTHS (JULY 1 TO SEPTEMBER 30), THE CONTRACTOR SHALL PROVIDE SUPPLEMENTAL IRRIGATION FOR PLANTINGS TO AID IN ESTABLISHMENT AND REDUCTION OF TRANSPLANT SHOCK. SUPPLEMENTAL SEASONAL WATERING IS RECOMMENDED FOR A MINIMUM OF TWO YEARS POST-PLANTING. IT IS ASSUMED THAT THE CITY OR ITS ASSIGNS WILL PROVIDE SUPPLEMENTAL IRRIGATION FOLLOWING THE FIRST YEAR OF LANDSCAPE-CONTRACTOR PROVIDED PLANT ESTABLISHMENT.

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**SUBBASIN 46.3 WATERCOURSE
STABILIZATION PROJECT**

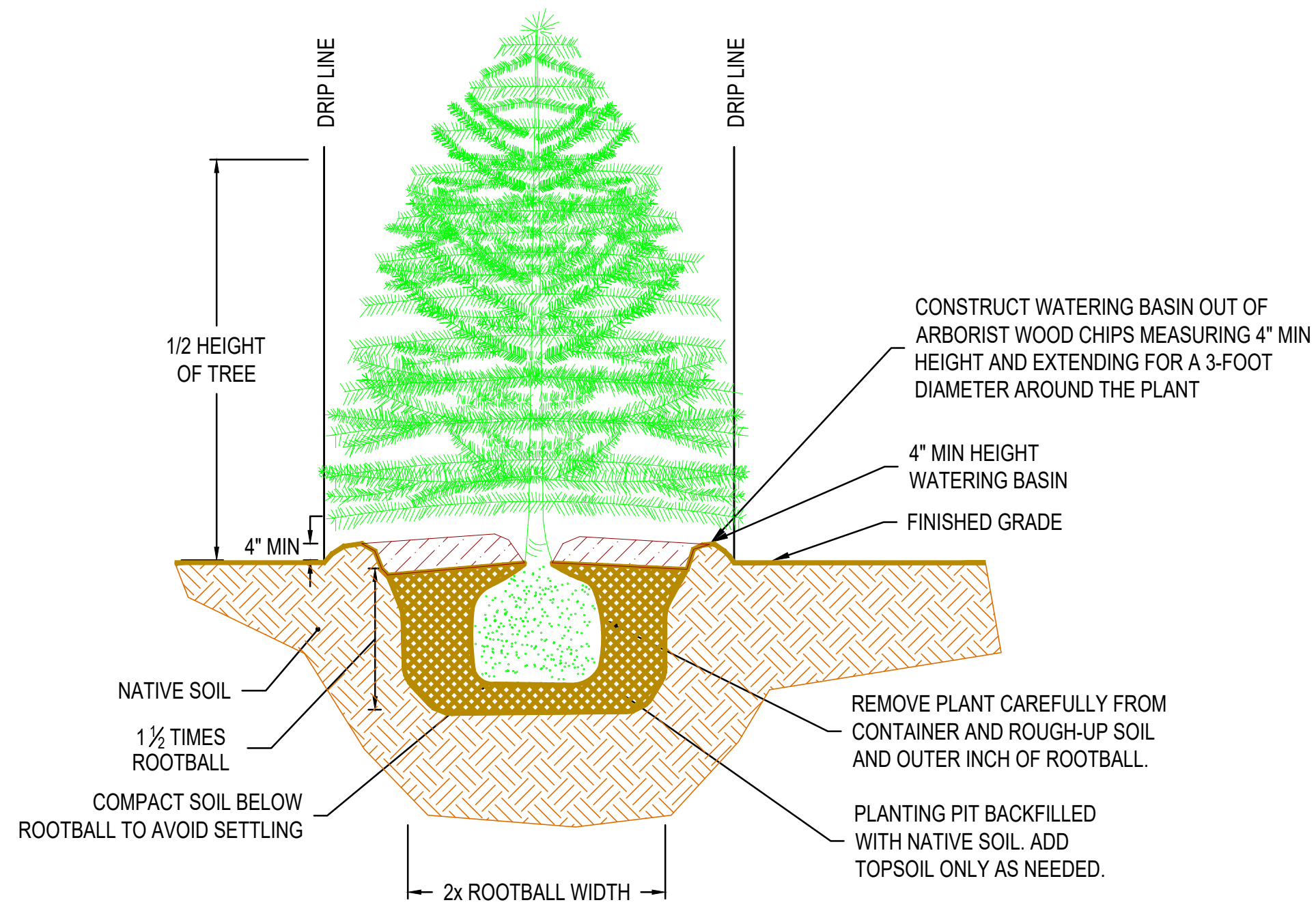
PLANTING SCHEDULE AND NOTES

JOB NUMBER
2008561
(RH2 JOB NO. 24-0025)
SHEET NUMBER

L101

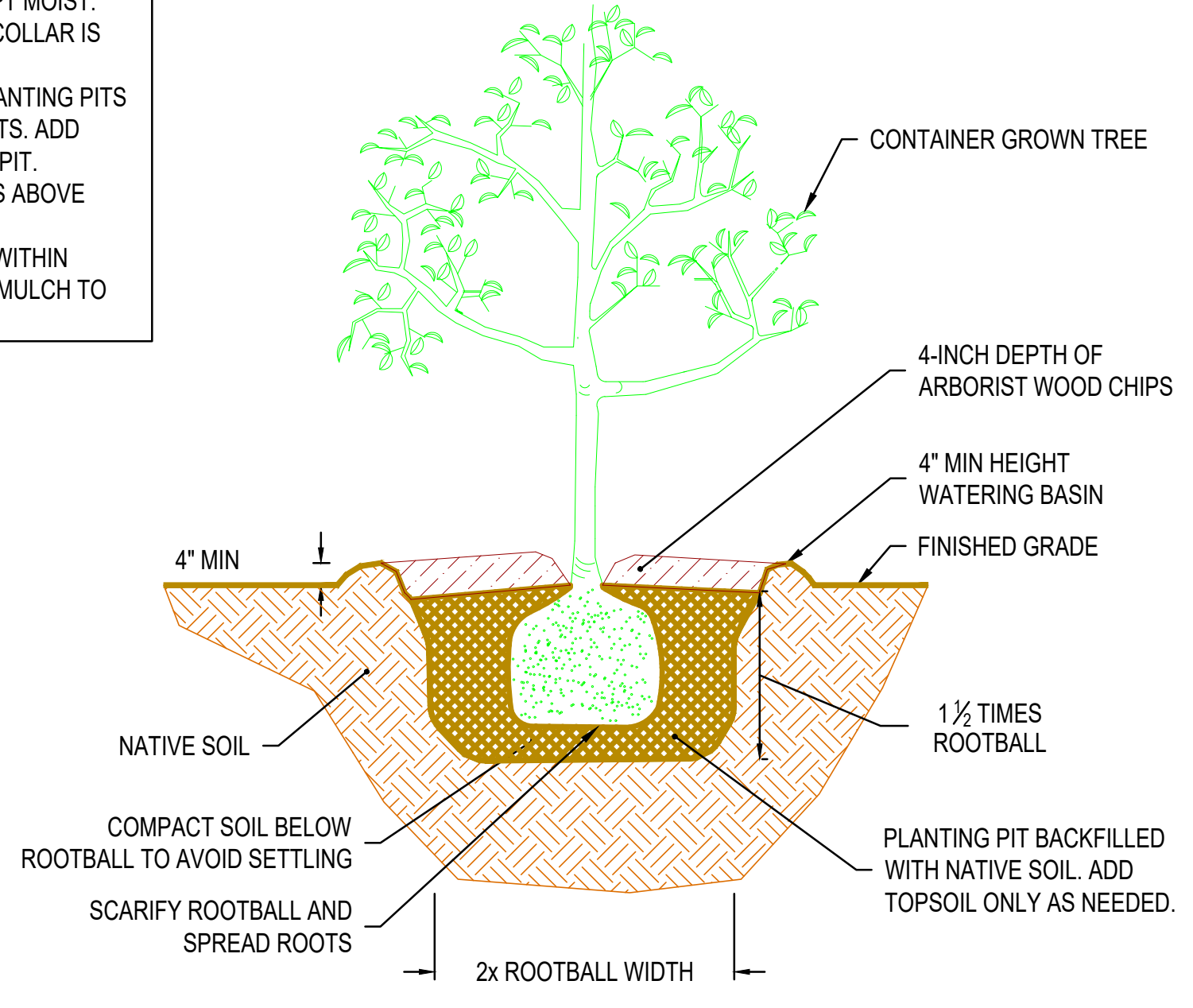
SHEET 13 OF 14

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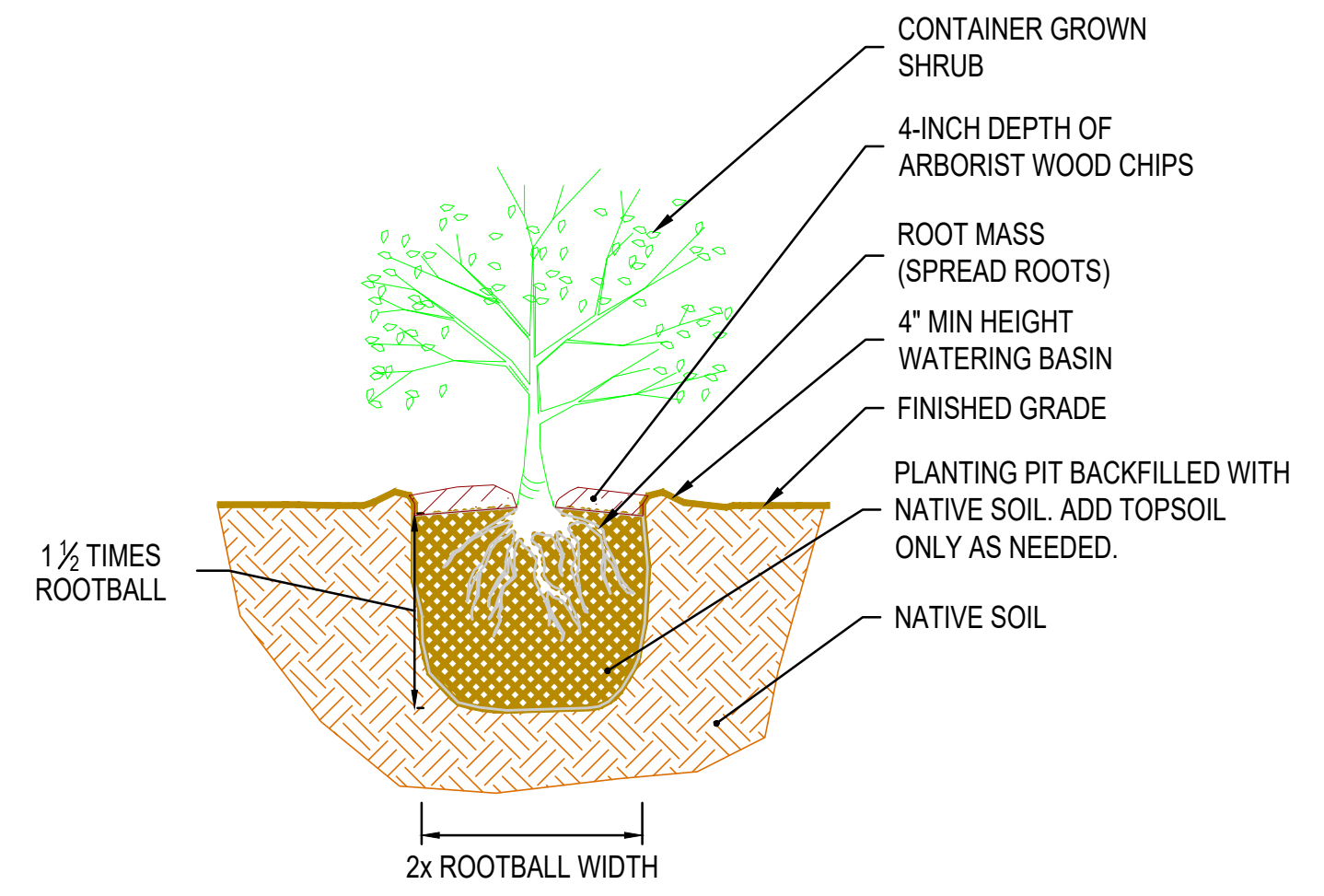


EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE

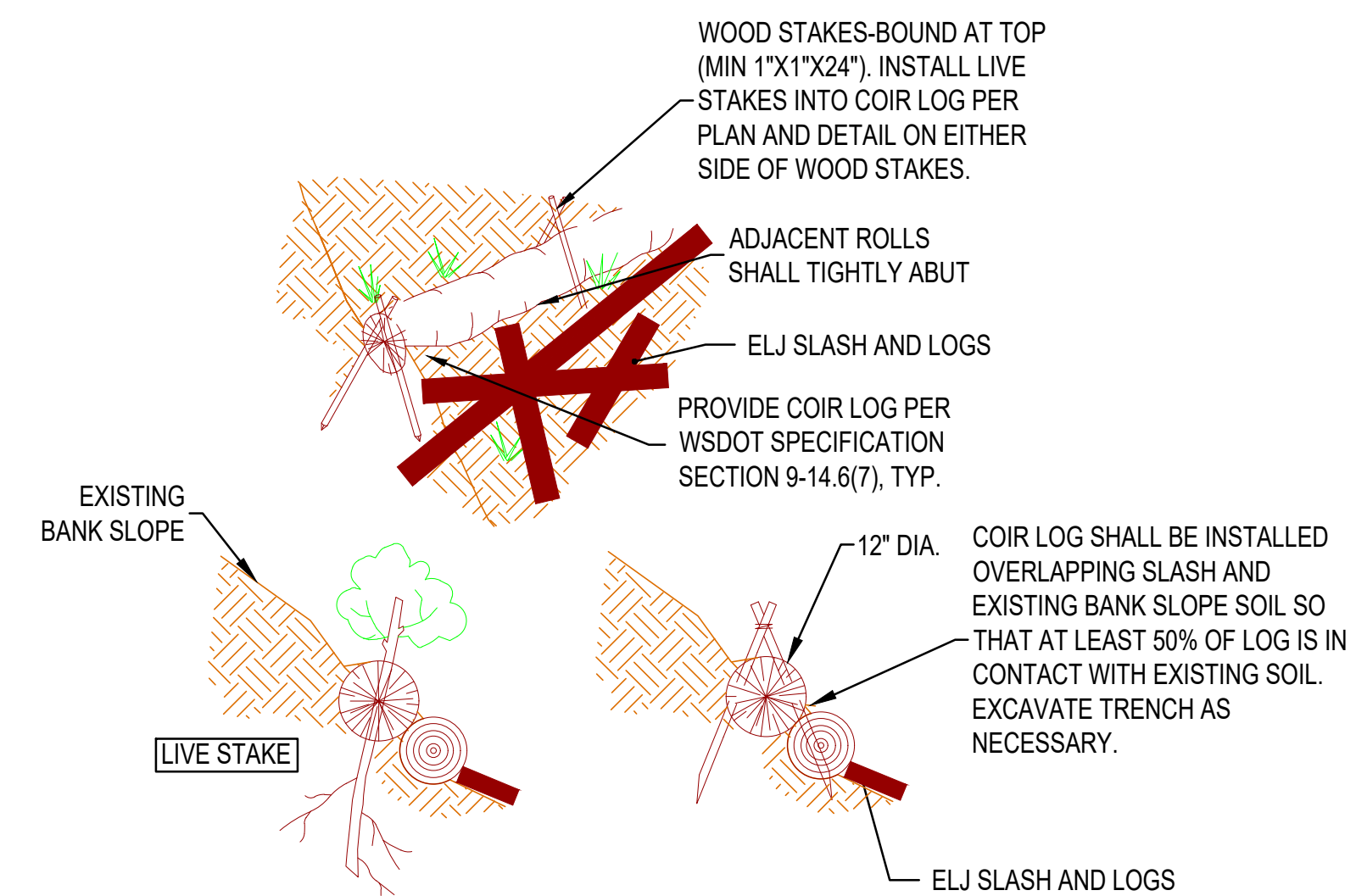
- NOTES:
1. ALL PLANT MATERIAL MUST BE KEPT MOIST.
 2. PLACE ALL PLANTS SO THE ROOT COLLAR IS LEVEL WITH FINISHED GRADE.
 3. ENSURE NATIVE SOILS USED IN PLANTING PITS ARE FREE OF RHIZOMES AND ROOTS. ADD TOPSOIL AS NEEDED TO BACKFILL PIT.
 4. FORM A WATERING BASIN 4 INCHES ABOVE FINISHED GRADE.
 5. INSTALL 4-INCH DEPTH OF MULCH WITHIN WATERING BASIN. DO NOT ALLOW MULCH TO TOUCH TRUNK.



DECIDUOUS TREE AND SHRUB PLANTING DETAIL
NOT TO SCALE

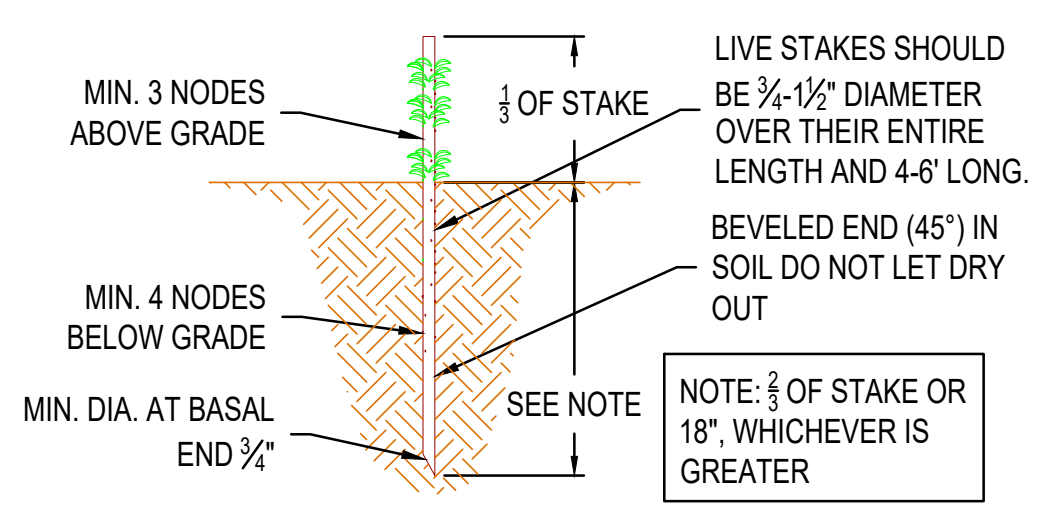


WILDLIFE PROTECTION DETAIL
NOT TO SCALE

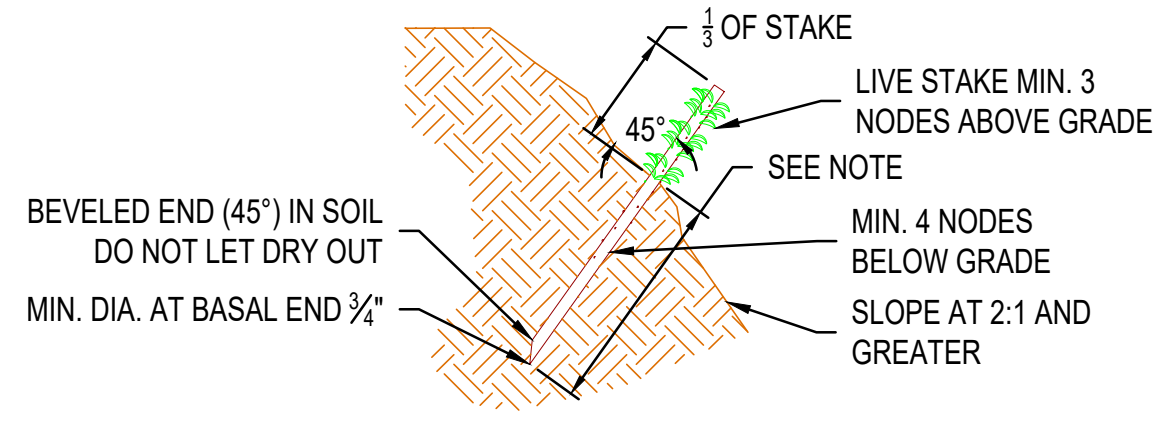


COIR LOG DETAIL
NOT TO SCALE

- LIVE STAKE NOTES:
1. SOURCE LIVE STAKES FROM SITES NATIVE TO THE PACIFIC NORTHWEST.
 2. KEEP LIVE STAKES MOIST AT ALL TIMES. LIVE STAKES ARE HIGHLY PERISHABLE AND MUST BE STORED PROPERLY BEFORE PLANTING. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 3. INSTALL LIVE STAKES IN GROWTH POSITION. IF BOTTOM END OF STAKE HAS DRIED OUT, CUT FRESH END PRIOR TO INSTALLING.
 4. INSTALL LIVE STAKES AT 2' O.C. SPACING OFFSET ALTERNATE ROWS AT 18" (SEE DETAIL). MIN. EMBEDMENT OF ALL STAKES IS 18".
 5. LIVE STAKES MAY BE POUNDED DIRECTLY INTO VERY SOFT SOIL. FOR COMPACT OR GRAVELLY SOILS, OR INSTALLATION THROUGH COIR LOGS, FORM HOLE IN SUBGRADE WITH REBAR OR STEEL BAR SIZED TO ACCOMMODATE THE DIAMETER OF THE LIVE STAKE. CAREFULLY PLANT STAKE IN HOLE. DO NOT BREAK LEAF NODES. INSTALL STAKES WITH A MINIMUM OF 4 NODES BELOW GRADE AND 3 NODES ABOVE GRADE. BACKFILL HOLE AND TAMP TO FILL VOID SPACES.




HORIZONTAL GRADIENT



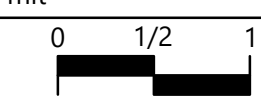
SLOPE GRADIENT

LIVE STAKE PLANTING DETAIL
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SHEET 14 OF 14