

3985 LINDBURG ROAD SE
SALEM, OREGON

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xL2.1 IRRIGATION PLAN
xL2.2 IRRIGATION PLAN AND SCHEDULE
xL2.3 IRRIGATION DETAILS AND NOTES

PROJECT
SITE

CALL BEFORE YOU DIG:
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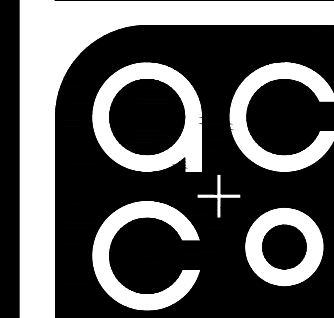
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JOB NO. 2022.0003

DATE JAN 30, 2023

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SHEET

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Water Quality Planter Planting Requirements

Planter Number	Facility SF	Trees	Large Shrubs	Small Shrubs	Grasses / Herbs / Groundcover
1	1635	2	12	68	2,980 (1572 SF)

Requirements per 100 SF
1 Evergreen or Deciduous Tree -OR-
4 Large Shrubs -OR-
6 Small Shrubs
Herbaceous and Groundcover at least 75% of Facility

General Landscape Planting Requirements

REQUIRED PLANTS:	1 PLANT PER 20 SQUARE FEET = 1 PLANT UNIT (PU)
1 MATURE TREE = 15 PU	
1 SHADE TREE = 10 PU	
1 EVERGREEN TREE = 5 PU	
1 ORNAMENTAL TREE = 2 PU	
1 LARGE SHRUB = 2 PU	
1 SMALL/MEDIUM SHRUB = 1 PU	
LAWN/GROUNDCOVER = 1 PU PER 50 SF	

LANDSCAPE SQUARE FOOTAGE = 17,978 SF
NUMBER OF REQUIRED PUs = 899 PU
40% PU REQUIRED AS TREES = 360 PU

Plants	# of Plants	Plant Units
Shade Trees	31	310
Evergreen Trees	8	40
Ornamental Trees	6	12
Large Shrubs	130	260
Small / Medium Shrubs	510	510
Lawn / Groundcover	4952 sf	99
Total Plant Units*		1231

*Does Not Include Plants in Stormwater Facility

Parking Lot Planting Requirements

REQUIRED PLANTS:	1 PLANT PER 20 SQUARE FEET = 1 PLANT UNIT (PU)
1 MATURE TREE = 15 PU	
1 SHADE TREE = 10 PU	
1 EVERGREEN TREE = 5 PU	
1 ORNAMENTAL TREE = 2 PU	
1 LARGE SHRUB = 2 PU	
1 SMALL/MEDIUM SHRUB = 1 PU	
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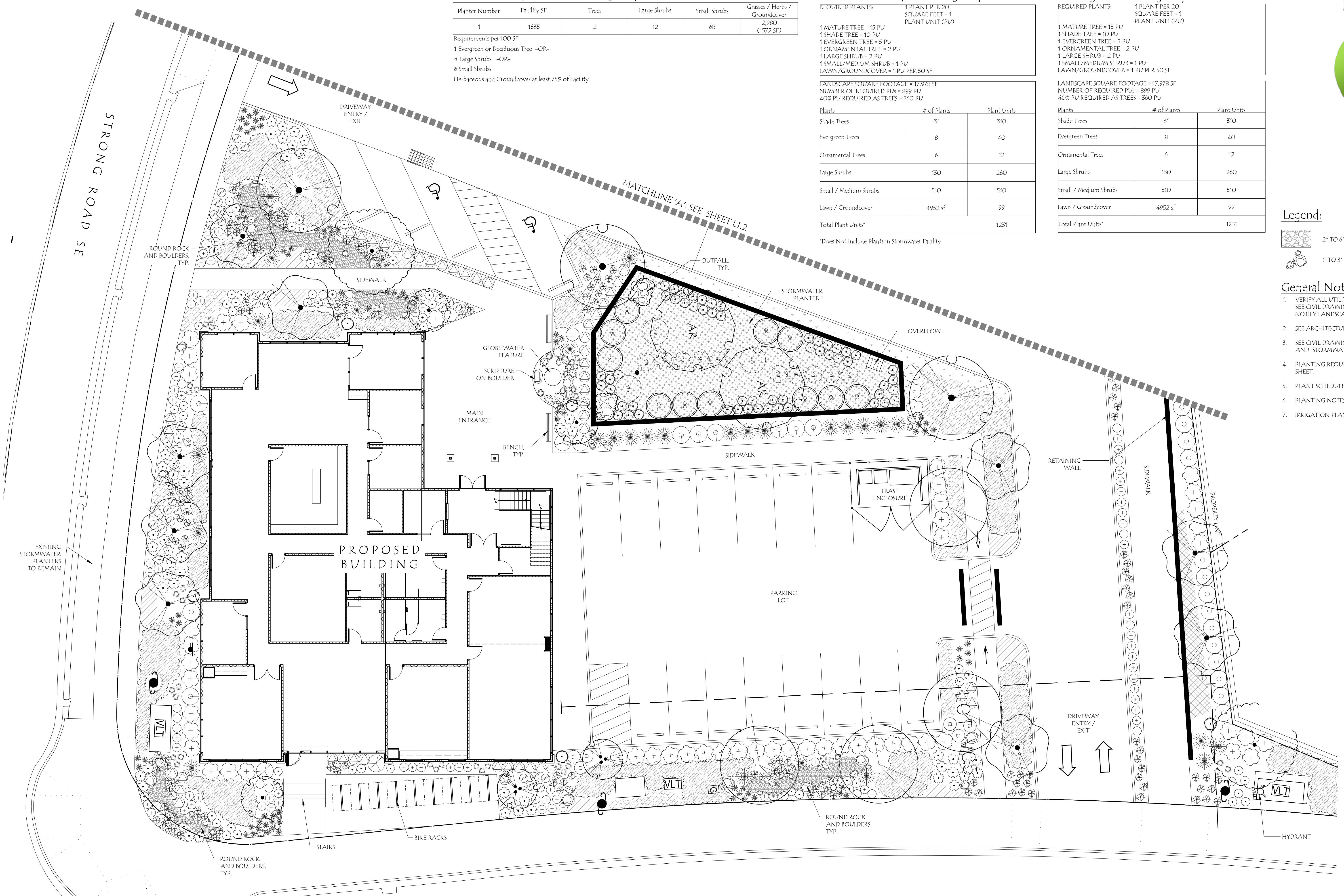
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Small / Medium Shrubs	510	510
Lawn / Groundcover	4952 sf	99
Total Plant Units*		1231

Legend:

- 2" TO 6" ROUND ROCK
- 1' TO 3' DIAMETER ROCK BOULDERS

General Notes:

1. VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. SEE CIVIL DRAWINGS. CALL BEFORE YOU DIG. NOTIFY LANDSCAPE ARCHITECT OF CONFLICTS.
2. SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN.
3. SEE CIVIL DRAWINGS FOR GRADING, UTILITIES, AND STORMWATER FACILITY.
4. PLANTING REQUIREMENTS SEE TABLES THIS SHEET.
5. PLANT SCHEDULES SEE SHEET L1.2.
6. PLANTING NOTES AND DETAILS SEE SHEET L1.3.
7. IRRIGATION PLAN SEE SHEETS L2.1 AND L2.2.



PLANTING PLAN
SCALE: 1" = 10'-0"

LINDBURG ROAD SE



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Stormwater Facility Planting Notes:

1. THE LANDSCAPE CONTRACTOR IS TO THOROUGHLY REVIEW THE SITE. IF THERE ARE ANY DISCREPANCIES BETWEEN THE PLAN AND EXISTING CONDITIONS THE LANDSCAPE ARCHITECT IS TO BE IMMEDIATELY NOTIFIED.
2. IF THE LANDSCAPE CONTRACTOR STARTS WORK BEFORE SITE CONDITIONS ARE READY, THEY WILL BE RESPONSIBLE FOR ANY ADDITIONAL COSTS RELATING TO THE CONDITION.
3. SEE CITY OF SALEM STORMWATER REQUIREMENTS FOR MORE INFORMATION.
4. CONTAINER STOCK MAY BE PLANTED YEAR ROUND IF CONDITIONS PERMIT. PLANT AFTER 48 HOURS OF DRY WEATHER TO AVOID SOIL COMPACTION. USE JUTE OR COIR MATTING TO PREVENT EROSION IF NEEDED.
5. PLANT MATERIALS SHALL BE FREE OF DISEASE, INJURY, AND INSECT INFESTATION. UNHEALTHY OR DAMAGED PLANTS SHALL BE REPLACED BY LANDSCAPE CONTRACTOR.
6. SEE CIVIL PLANS FOR GRADING, EROSION CONTROL AND SITE PREPARATION.
7. MULCH SHRUBS ON SIDE SLOPES WITH 2" DEPTH MIN. AND 18" DIAMETER WIDE AREA WITH CHEMICAL FREE AGED COMPOST. DO NOT USE MULCH IN ZONE 1 AND OTHER FREQUENTLY INUNDATED AREAS.
8. FACILITY TO BE IRRIGATED WITH IRRIGATION SYSTEM FOR A MINIMUM OF 2 YEARS. SEE IRRIGATION PLAN. PLANTS TO RECEIVE A MINIMUM OF 1" OF WATER PER WEEK FROM JUNE 15TH TO OCTOBER 15TH THE FIRST YEAR AND BE MONITORED TO MAINTAIN HEALTHY CONDITIONS. WATER AMOUNTS MAY BE REDUCED THE SECOND YEAR FROM JUNE 15TH TO OCTOBER 15TH, BUT MAINTAIN WEEKLY WATERING AND ADDITIONAL WATERING MAY BE NEEDED BASED ON MONITORING.
9. MAINTENANCE AND MONITORING TO TAKE PLACE ANNUALLY. TAG PLANTS WITH A RUST PROOF LABEL TO FACILITATE MONITORING. REPLACE DEAD OR DYING PLANT MATERIAL AS NEEDED.

General Planting Notes:

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3. PLANT MATERIALS SHALL BE FREE OF DISEASE, INJURY, AND INSECT INFESTATION. UNHEALTHY OR DAMAGED PLANTS SHALL BE REPLACED BY LANDSCAPE CONTRACTOR. ALL PLANT MATERIAL SHALL FOLLOW THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK PUBLICATIONS INCLUDING ANSI A300 AND ANSI Z60.
4. PLANTER BEDS: ALL PLANTER BEDS SHALL HAVE A MINIMUM DEPTH OF 8" WORKABLE TOPSOIL, COMPACTED AT A MAXIMUM OF 85% STANDARD PROCTOR MAXIMUM DRY DENSITY. TOPSOIL SHALL BE OVER ROCK-FREE SUBGRADE. SUBGRADE TO BE RIPPED AND TILLED TO 6" DEPTH AND REMOVE ALL DEBRIS 2" OR LARGER. SMALL PLANTER AREAS MAY REQUIRE REMOVAL OF COMPACTED SOIL, ROCK, GRAVEL TO AT LEAST 18" DEEP. LOOSEN AND AMEND SOIL BEFORE REPLACING IN 6" LIFTS TO FINISH GRADE.
5. TOPSOIL MIX: AMEND EXISTING SOIL IN-SITU OR STOCK PILE. SOIL ON SITE. IMPORT TOPSOIL ONLY AS NECESSARY. CONDUCT A SOIL SAMPLE FOR EACH TYPE OF PLANTER AREA. SEND SAMPLES TO AN INDEPENDENT LABORATORY RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE AND SPECIALIZING IN AGRONOMIC SOIL ANALYSIS FOR TESTING AND AMENDMENT RECOMMENDATIONS.
6. SOIL AMENDMENTS: ADD A MINIMUM OF 3" CLEAN, MATURE COMPOST TO TOPSOIL. TILL IN. FOR ALL PLANTER BEDS, FOR BIDDING PURPOSES, ASSUME GENERAL SOIL AMENDMENTS AS FOLLOWS PER 1000' SF AT 6" LIFTS UNTIL SOIL ANALYSIS RECOMMENDATION IS COMPLETE, SEE ABOVE FOR COMPOST:
 - 25 LBS GYPSUM
 - 75 LBS LIME
 - 8 LBS SUPERPHOSPHATE
 - 3 LBS AMMONIUM NITRATE
 - 4 OZS ZINC SULFATE
 - 8 OZS MANGANESE SULFATE
7. MYCORRHIZAL FUNGI INOCULATE: USE A COMBINED ENDO AND ECTO MYCORRHIZAL FUNGI INOCULATE SUCH AS BIO-ORGANICS OR EQUAL AT A RATE OF:
 - 2" CAL. B&B TREE: 3 TEASPOONS
 - 5 GALLON: 2 TEASPOONS
 - 1-3 GALLON PLANT: 1 TEASPOON
 - 4" POT: 1/4 TEASPOON
 - SEED/TURF: 1 LB PER 2000 SFDO NOT USE ON RHODODENDRON/AZALEA, HUCKLEBERRY, SEDGE, RUSH, HEATH.
8. PLANTING: VERIFY SOIL IS APPROPRIATELY DRY FOR DIGGING. SEE DETAILS THIS SHEET FOR HOLE DEPTH, WIDTH AND BACKFILL. DEEP WATER IMMEDIATELY AFTER PLANTING.
9. MOUND PLANTING BED AREAS 3% FOR POSITIVE DRAINAGE AND AESTHETICS.
10. BARK MULCH: SPREAD 2" MAX. DEPTH AGED FIR MULCH IN ALL PLANTER BEDS AND OPEN LANDSCAPE AREAS. KEEP MULCH AWAY FROM PLANT BASE.
11. FERTILIZER: DO NOT USE ADDITIONAL FERTILIZERS ON NEWLY PLANTED TREES FOR FIRST YEAR.
12. TREES: TREE STAKES TO BE REMOVED AFTER 6 MONTHS.
13. PLANT QUANTITIES SHOWN ARE INTENDED TO ASSIST THE CONTRACTOR IN EVALUATING THEIR OWN TAKE-OFFS. IF THERE IS A DISCREPANCY BETWEEN PLANT QUANTITIES AND SYMBOLS SHOWN, USE THE LARGER OF THE TWO AMOUNTS. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL QUANTITIES.
14. NOTIFY LANDSCAPE ARCHITECT OF PLANT SUBSTITUTIONS.

Legend:

- 2" TO 6" ROUND ROCK
- 1' TO 3' DIAMETER ROCK BOULDERS

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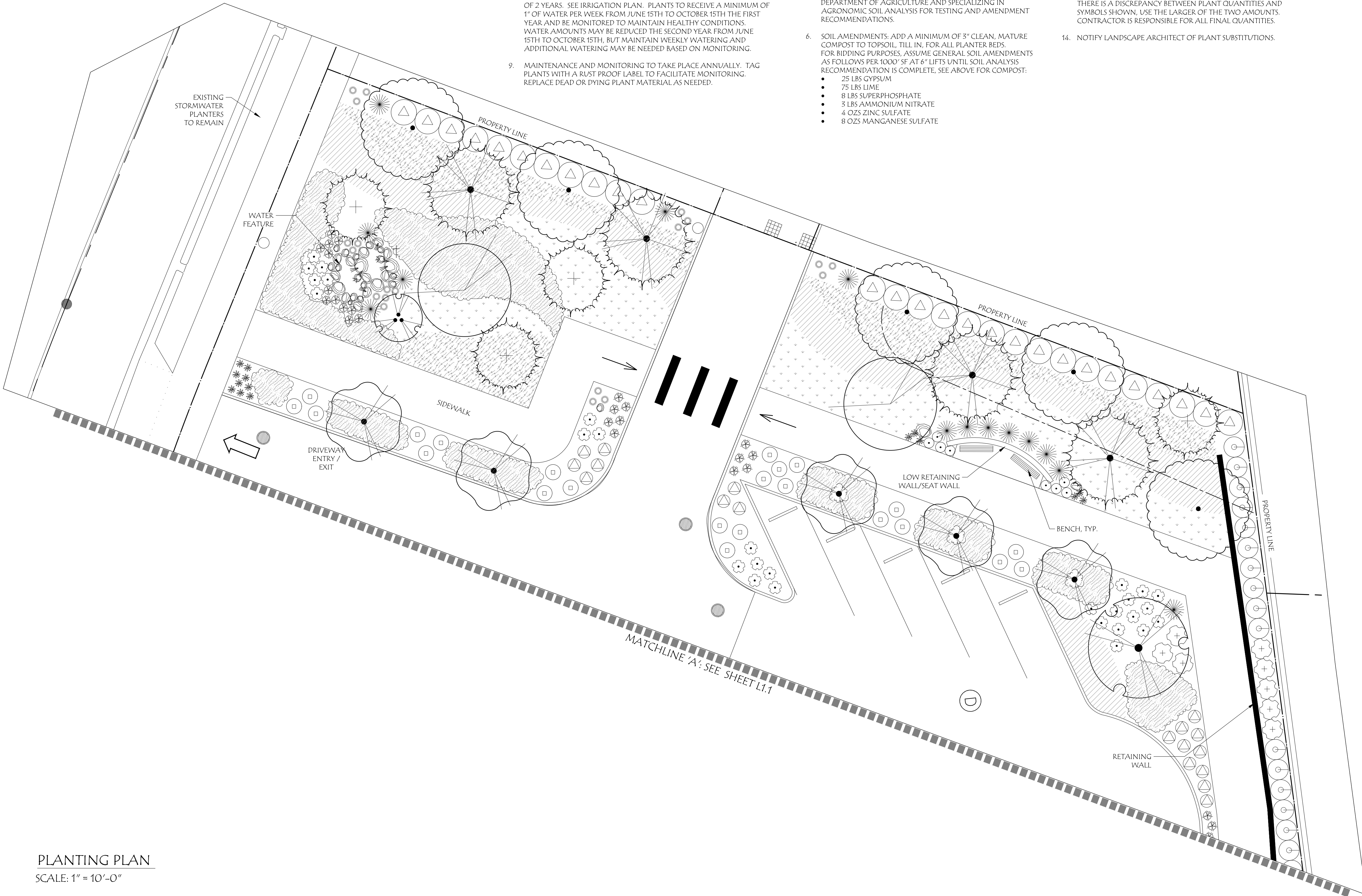
Laurus Designs, LLC



1012 Pine Street
Silverton, Oregon

503.784.6494

Project #: 1449C



PLANTING PLAN
SCALE: 1" = 10'-0"

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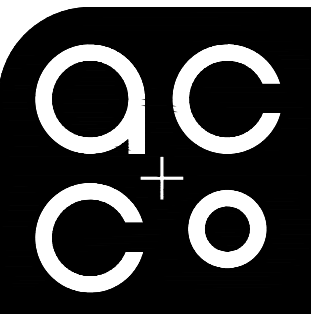
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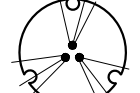
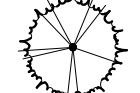


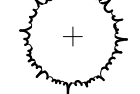
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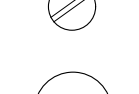


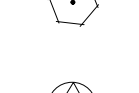
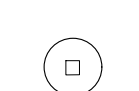
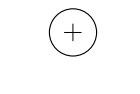



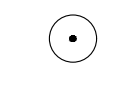



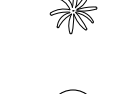


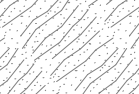
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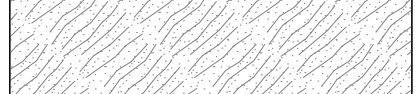


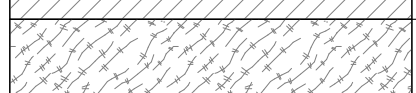
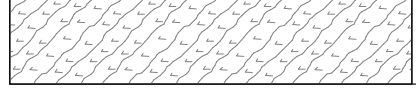

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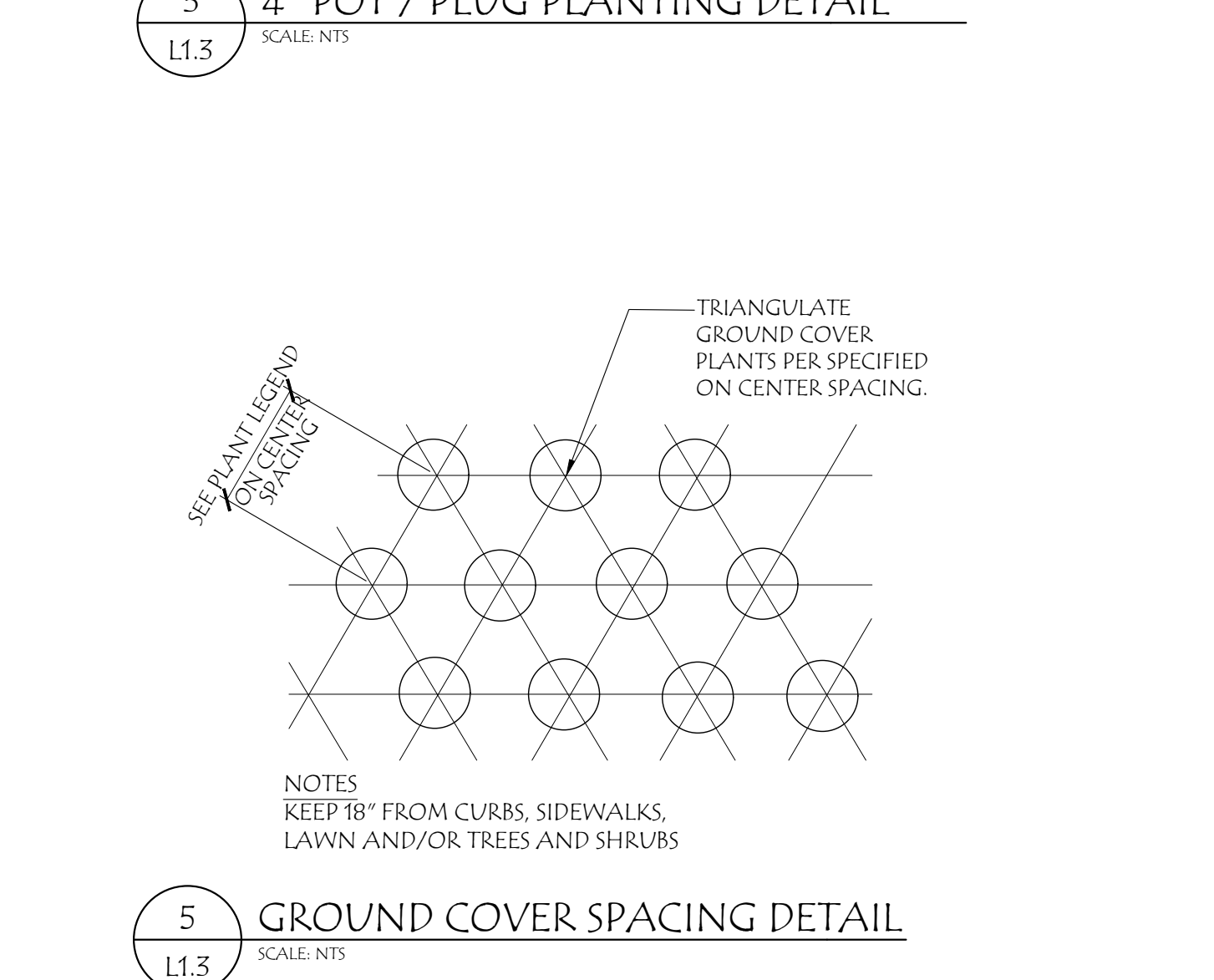
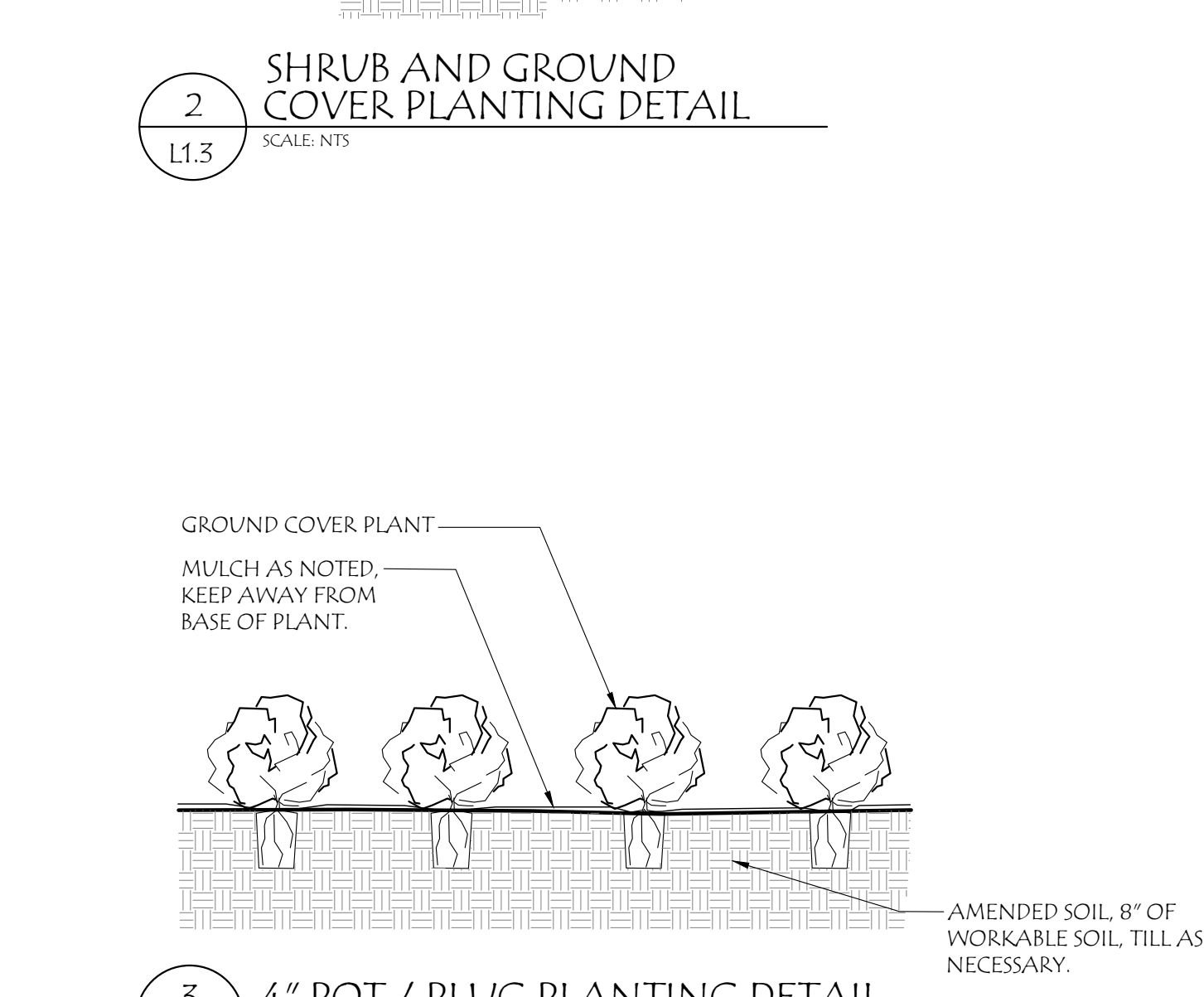
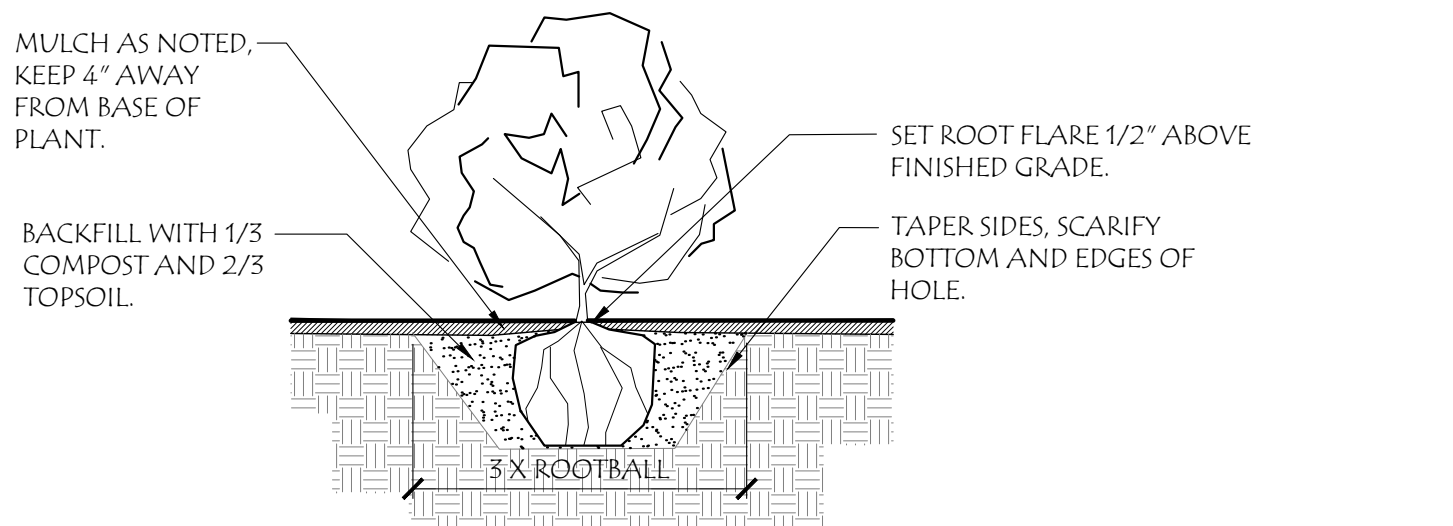
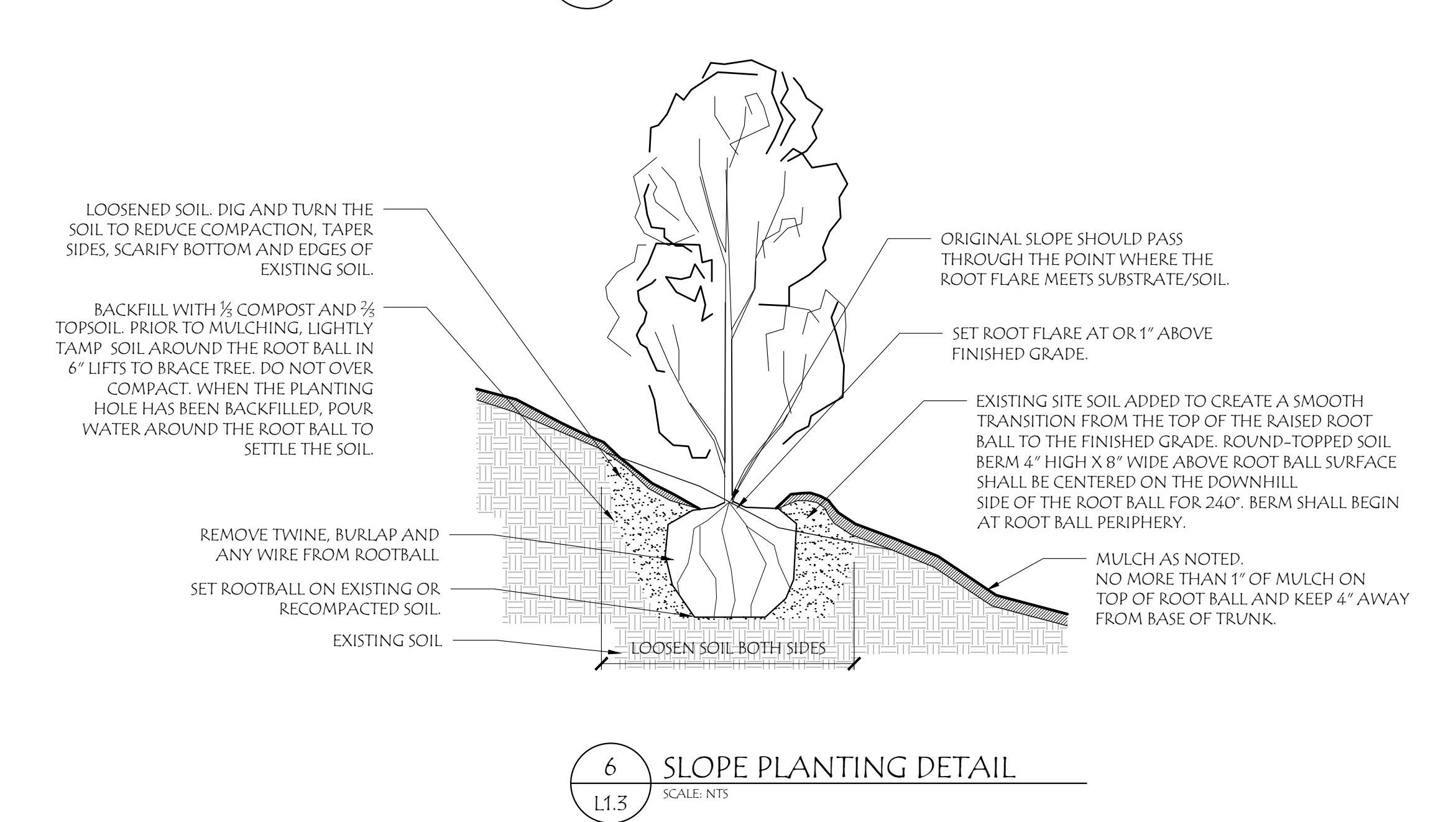
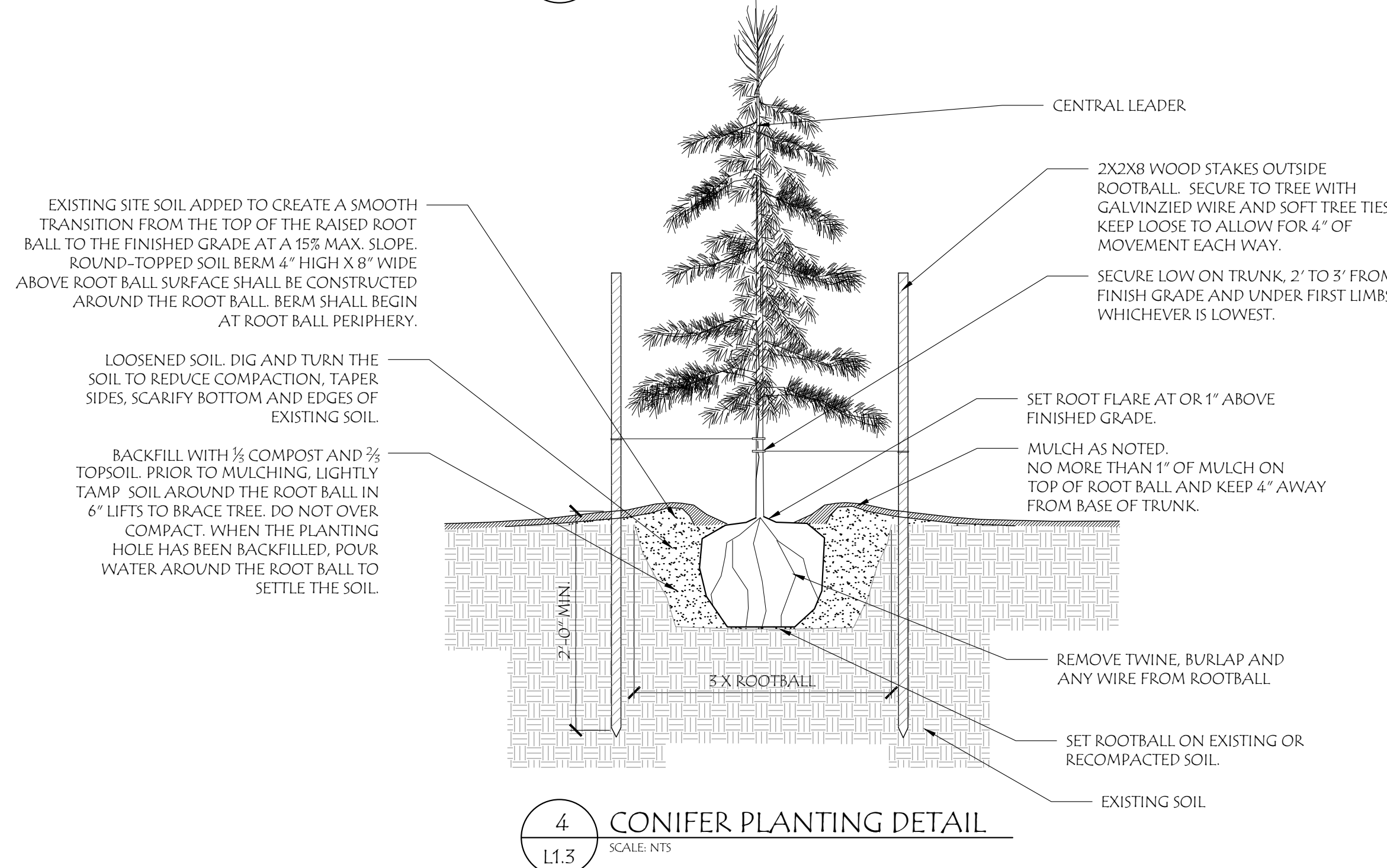
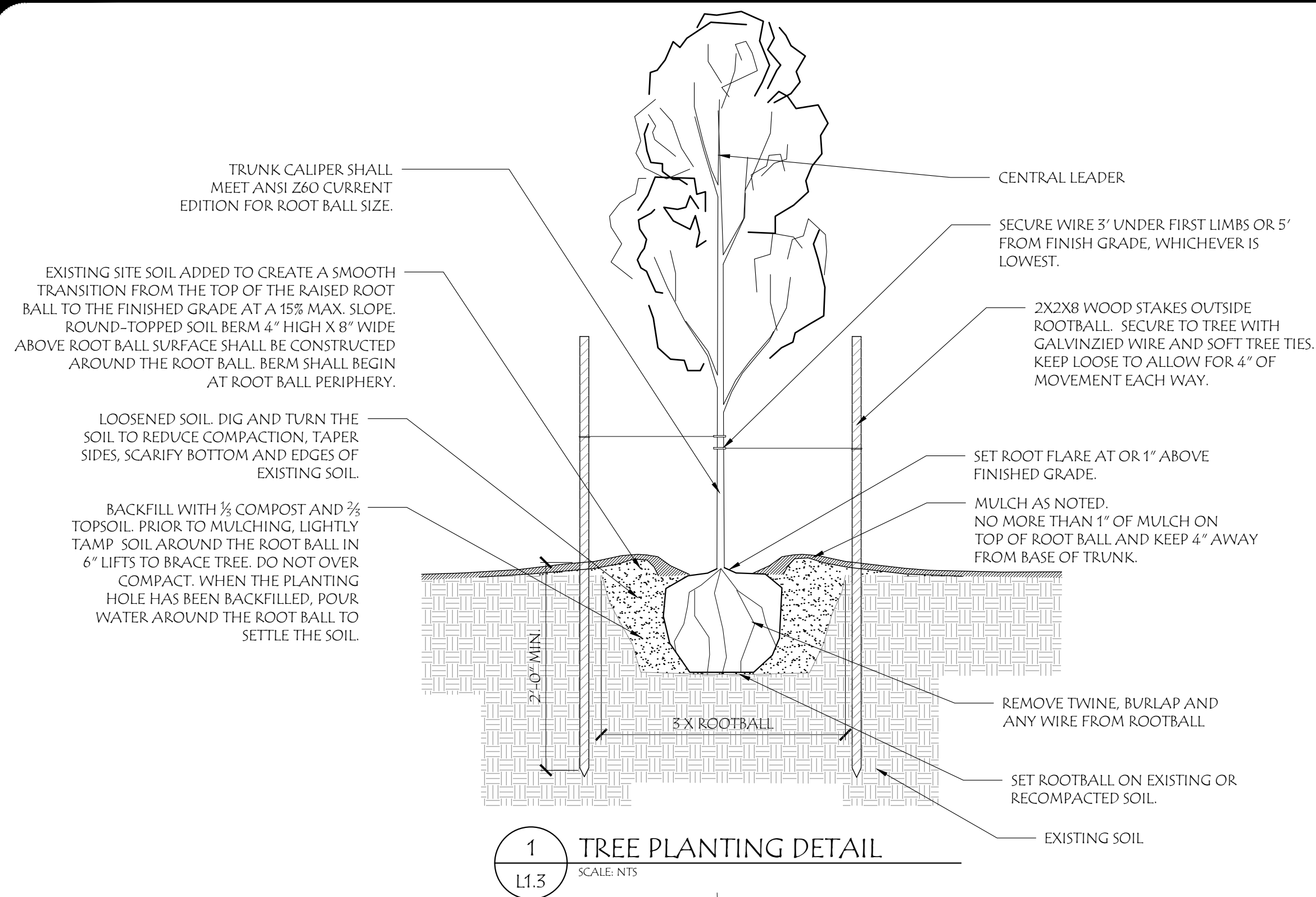
Plant Schedule

TREES	QTY	BOTANICAL / COMMON NAME	SIZE
	3	<i>Acer palmatum</i> 'Bloodgood' / Bloodgood Japanese Maple	1" Cal., B&B
	6	<i>Cornus nuttallii</i> x <i>florida</i> 'Eddie's White Wonder' / Eddie's White Wonder Dogwood	1 1/2" Cal., B&B
	3	<i>Lagerstroemia indica</i> x <i>fauriei</i> 'Zuni' / Lavender Crape Myrtle Multi-Trunk	1" Cal., B&B, Multi-trunk
	7	<i>Nyssa sylvatica</i> 'Zydeco Twist' / Zydeco Twist Tupelo	1 1/2" Cal., B&B
	4	<i>Picea pungens</i> 'Glauca' / Blue Colorado Spruce	6'-8" Ht., B&B
	4	<i>Stewartia pseudocamellia</i> / Japanese Stewartia	1 1/2" Cal., B&B
	14	<i>Styrax japonicus</i> / Japanese Snowbell	1 1/2" Cal., B&B
	4	<i>Tsuga mertensiana</i> / Mountain Hemlock	6'-8" Ht., B&B

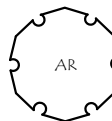





SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE
	81	<i>Abelia x grandiflora</i> 'Kaleidoscope' / Glossy Abelia	2 Gal.
	29	<i>Berberis thunbergii</i> 'Concorde' / Concorde Japanese Barberry	2 Gal.
	39	<i>Choisya ternata</i> / Mexican Orange	5 Gal.
	6	<i>Cupressus macrocarpa</i> 'Goldcrest' / Goldcrest Monterey Cypress	5 Gal.
	27	<i>Escallonia x exoniensis</i> 'Fradesii' / Pink Princess Escallonia	5 Gal.
	5	<i>Ilex crenata</i> 'Sky Pencil' / Sky Pencil Japanese Holly	24"-30" Ht.
	64	<i>Ilex crenata</i> 'Soft Touch' / Soft Touch Japanese Holly	2 Gal.
	31	<i>Nandina domestica</i> 'Gulf Stream' / Gulf Stream Heavenly Bamboo	2 Gal.
	94	<i>Nandina domestica</i> 'Nana' / Dwarf Heavenly Bamboo	2 Gal.
	62	<i>Raphiolepis indica</i> 'Conor' / Eleanor Tabor Indian Hawthorn	3 Gal.
	2	<i>Rhododendron</i> x 'P.J.M.' / P.J.M. Rhododendron	3 Gal.

GRASSES / PERENNIALS	QTY	BOTANICAL / COMMON NAME	SIZE
	56	<i>Calamagrostis x acutiflora</i> 'Karl Foerster' / Karl Foerster Feather Reed Grass	1 Gal.
	95	<i>Carex oshimensis</i> 'Evergold' / Evergold Japanese Sedge	1 Gal.
	56	<i>Iberis sempervirens</i> 'Alexander's White' / White Evergreen Candytuft	1 Gal.
	44	<i>Miscanthus sinensis</i> 'Morning Light' / Morning Light Eulalia Grass	2 Gal.
	179	<i>Pennisetum alopecuroides</i> 'Little Bunny' / Little Bunny Fountain Grass	1 Gal.

SHRUB AREAS	QTY	BOTANICAL / COMMON NAME	SIZE AND NOTES	SPACING
	200	<i>Prunus laurocerasus</i> 'Mount Vernon' / Mount Vernon English Laurel	1 Gal.	48" o.c.
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
	192 (1,641 sf)	<i>Arctostaphylos uva-ursi</i> / Kinnikinnick	1 Gal.	36" o.c.
	28 (163 sf)	<i>Iberis sempervirens</i> 'Alexander's White' / White Evergreen Candytuft	1 Gal.	30" o.c.
	349 (1,323 sf)	<i>Phlox subulata</i> / Creeping Phlox	1 Gal.	24" o.c.
	179 (1,529 sf)	<i>Rubus calycinoides</i> 'Emerald Carpet' / Emerald Carpet Creeping Raspberry	1 Gal.	36" o.c.
	311 (296 sf)	<i>Sedum rupestre</i> 'Angelina' / Angelina Sedum	1 Gal.	12" o.c.



Water Quality Planter Planting Schedule

TREES	QTY	BOTANICAL / COMMON NAME	SIZE	
	2	<i>Alnus rhombifolia</i> / White Alder	1 1/2" Cal., B&B	
SMALL TREE/LARGE SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE	
	12	<i>Oemleria cerasiformis</i> / Indian Plum	5 Gal.	
SMALL SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE	
	55	<i>Cornus sericea</i> "Kelsey" / Kelsey Dogwood	1 Gal.	
	10	<i>Spiraea douglasii</i> / Western Spiraea	1 Gal.	
	3	<i>Viburnum edule</i> / Highbush Cranberry	1 Gal.	
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
	745 745 745 745	<i>Carex densa</i> / Dense Sedge <i>Juncus ensifolius</i> / Dagger-leaf Rush <i>Juncus tenuis</i> / Slender Rush <i>Scirpus microcarpus</i> / Small Fruited Bulrush	Plug, 1" x 6" Min. Size	9" o.c., Plant Alternating Species in 8" wide Rows

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