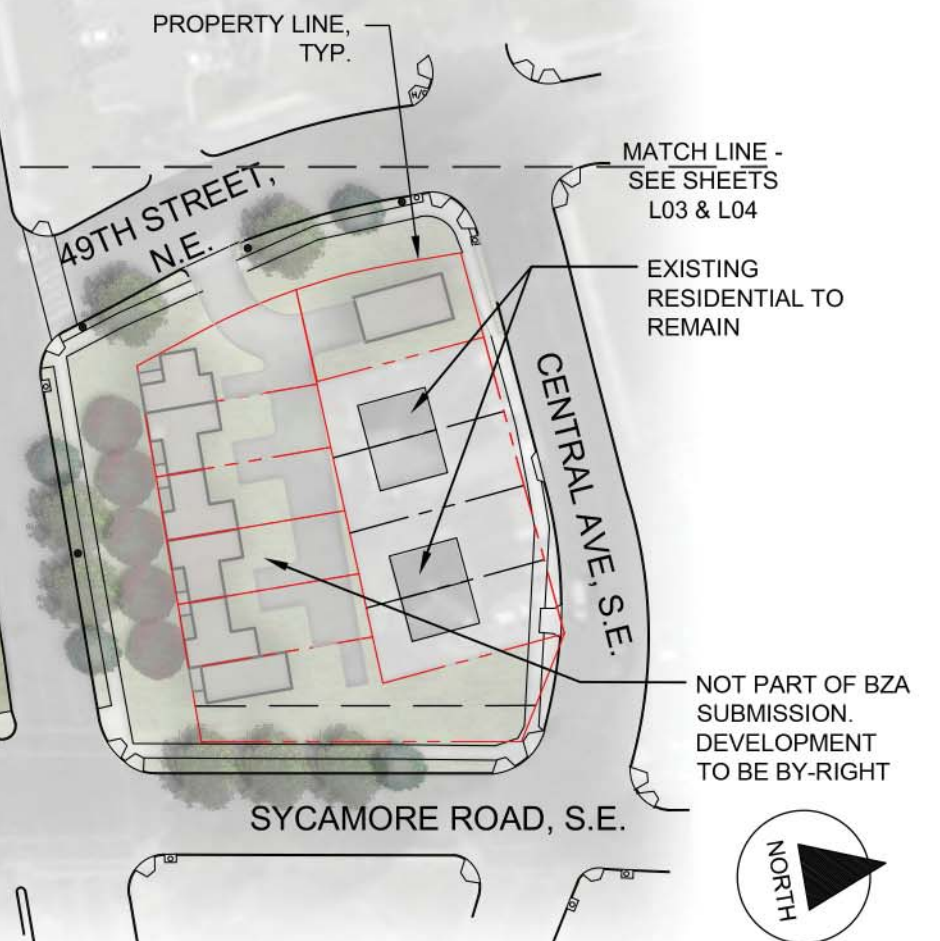
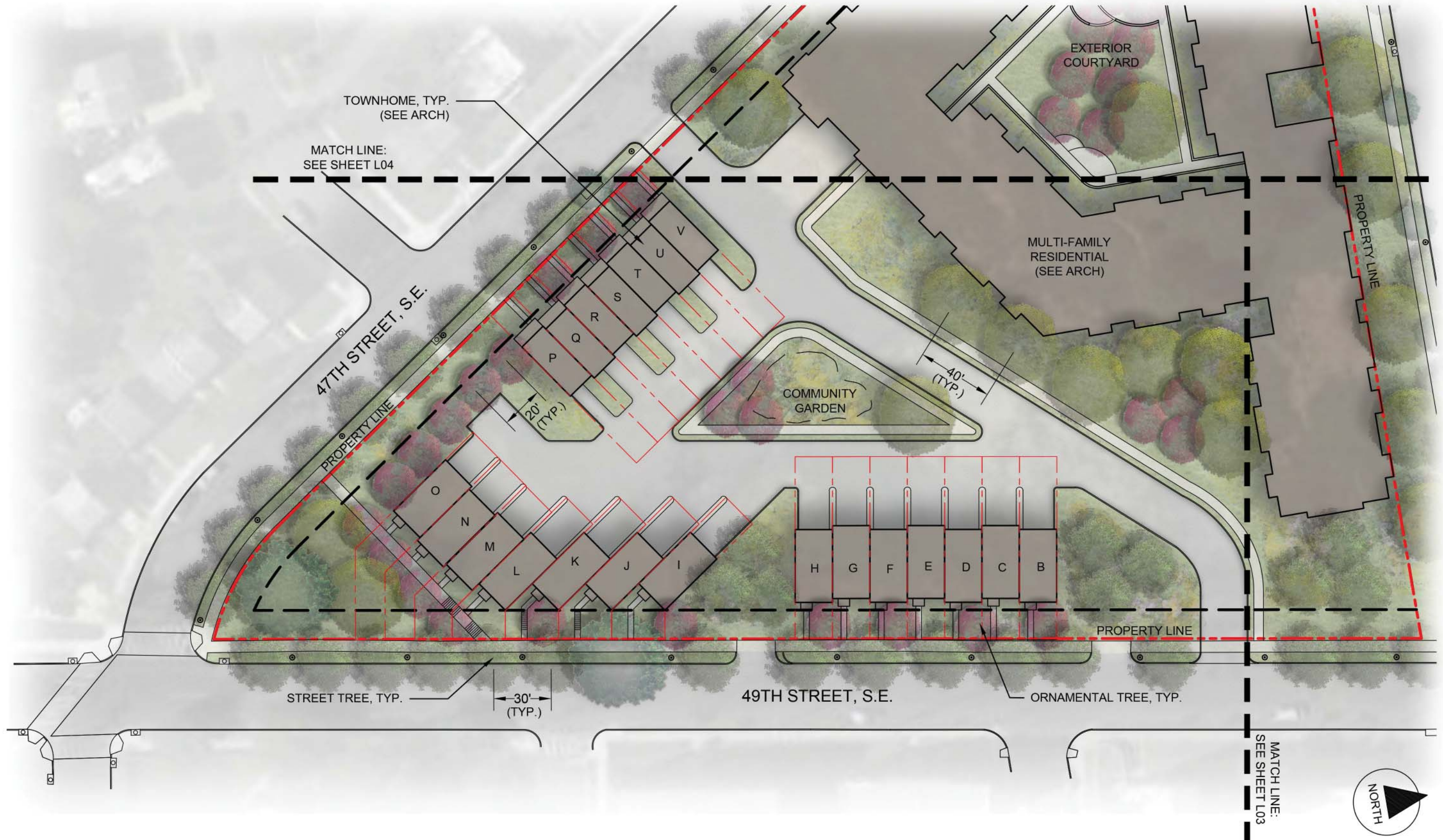




NOTES:

1. THE SUBJECT SITES ARE REQUIRED TO OBTAIN A MINIMUM 0.40 GREEN AREA RATIO SCORE. THE SITES WILL ACCOMMODATE A COMBINATION GREEN SPACES, PERMEABLE PAVING AND GREEN ROOFS TO OBTAIN THE FINAL SCORE. THE FINAL GREEN AREA RATIO SCORE WILL BE DETERMINED AS DESIGN DEVELOPS.

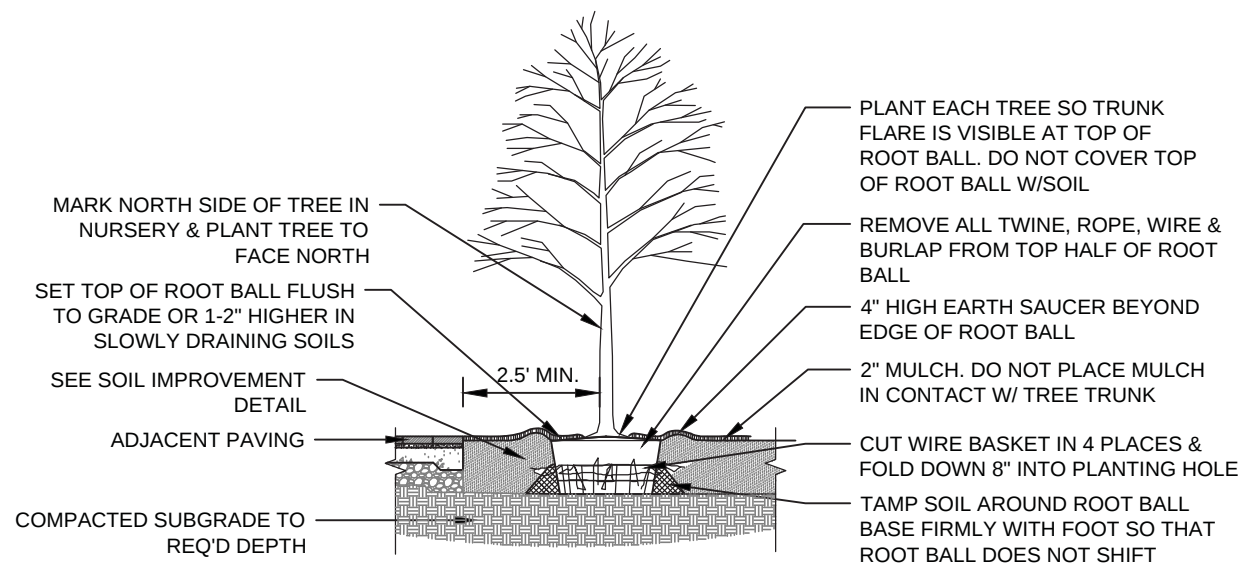








SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	DROUGHT TOLERANCE	MATURE SIZE (HEIGHT X SPREAD)	NATIVE
STREET TREES							
AR	<i>Acer rubrum</i> 'Red Sunset'	Red Sunset Red Maple	3.4-4" cal.	B&B	Yes	40'x40'	Yes
AS	<i>Acer saccharum</i> 'Green Mountain'	Green Mountain Sugar Maple	3.5-4" cal	B&B	Yes	40'x60'	Yes
COM	<i>Celtis x occidentalis</i> 'Magnifica'	Common Hackberry	2.5" cal.	B&B		50'x40'	Yes
MG	<i>Magnolia grandiflora</i>	Southern Magnolia	10-12'	B&B	Yes	50'x40'	Yes
PA	<i>Platanus x acerifolia</i> 'Bloodgood'	London Plane Tree	4" cal.	B&B	Yes	80'x75'	No
QPH	<i>Quercus phellos</i>	Willow Oak	2.5"-3" cal.	B&B		50x50'	Yes
UAV	<i>Ulmus americana</i> 'Valley Forge'	Valley Forge American Elm	2.5" cal.	B&B		50'x40'	Yes
ORNAMENTAL TREES							
AGA	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Serviceberry	6-8'	B&B	Yes	20'x20'	Yes
CC	<i>Cercis canadensis</i>	Eastern Red Bud	2" cal.	B&B	Yes	20'x30'	Yes
CF	<i>Cornus florida</i> 'Appalachian Spring'	Flowering Dogwood	2" cal.	B&B		20'x20'	Yes
CV	<i>Chionanthus virginicus</i>	Fringetree	5'-6'	B&B		15'x15'	Yes
MV	<i>Magnolia virginiana</i>	Sweet Bay Magnolia	8-10'	B&B		15'x15'	Yes

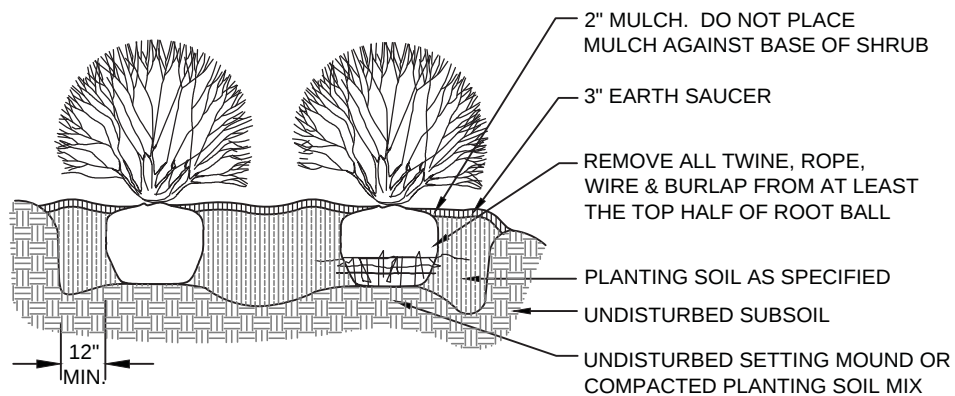


- NOTES:**
1. TREES WILL BE REJECTED IF TRUNK FLARE IS NOT VISIBLE AT TOP OF ROOT BALL.
 2. DO NOT HEAVILY PRUNE TREE AT PLANTING. PRUNE ONLY CROSSING LIMBS, CO-DOMINANT LEADERS & BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS & LATERAL BRANCHES MAY BE PRUNED, BUT DO NOT REMOVE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF CROWN.
 3. STAKE OR WRAP TREE ONLY UPON APPROVAL OF LANDSCAPE ARCHITECT.
 4. THIS PLANTING DETAIL WAS BASED ON ISA (INTERNATIONAL SOCIETY OF ARBORICULTURE) STANDARD TREE PLANTING DETAIL. FOR MORE INFORMATION SEE www.isa-arbor.com OR CALL (217) 355-9411.

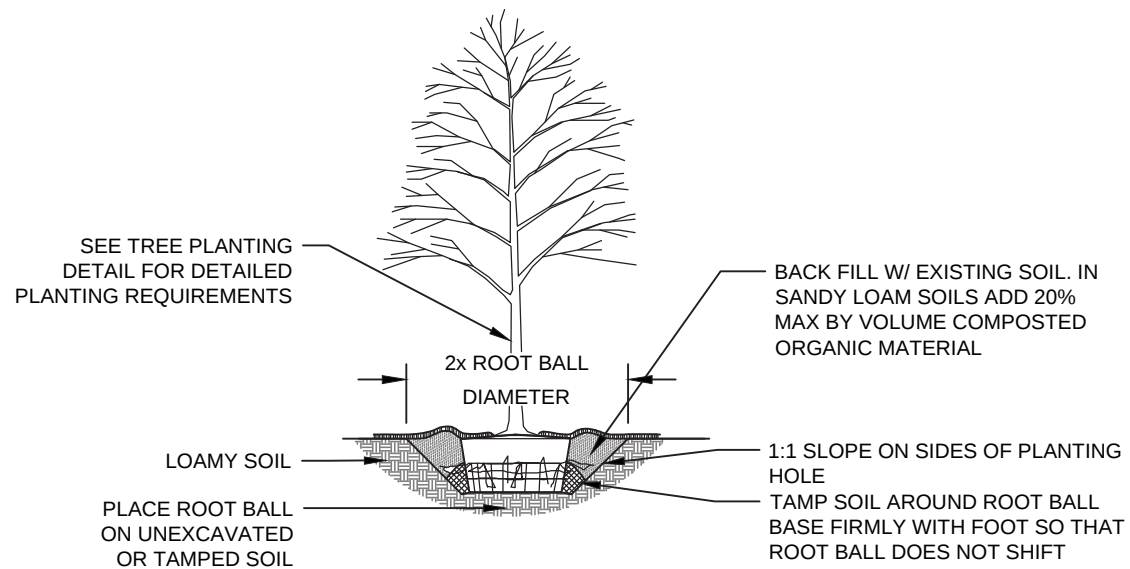
1 STREET TREE PLANTING DETAIL B&B TREES IN ALL SOIL TYPES N.T.S.

NOTES:

1. SHRUB SHALL BEAR SAME RELATIONSHIP TO GRADE AS IT DID IN NURSERY.
2. PRUNE AS NEEDED TO RETAIN NATURAL SHRUB SHAPE.
3. FOR CONTAINER GROWN PLANTS, SPLIT THE ROOT BALL WITH 4 EQUALLY SPACED VERTICAL CUTS AND BUTTERFLY THE ENTIRE ROOT BALL.

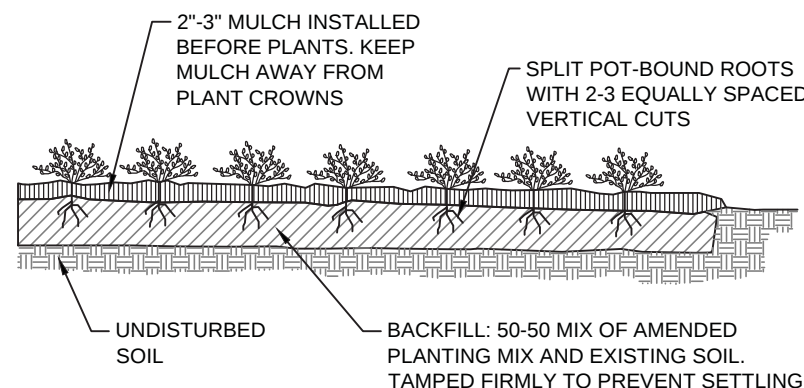


3 SHRUB PLANTING TYPICAL DETAIL N.T.S.

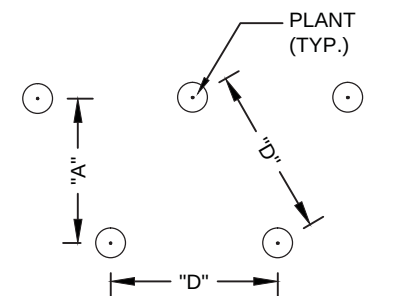


- NOTES:**
1. LOAMY SOILS INCLUDE THE FOLLOWING USDA TEXTURAL CLASSIFICATIONS AND HAVE A CLAY CONTENT BETWEEN 15-27%: LOAM, SANDY LOAM & SILT LOAM. NOTE THAT SOILS AT THE OUTER LIMITS OF THESE CLASSIFICATIONS MAY PRESENT SPECIAL PLANTING PROBLEMS NOT ANTICIPATED BY THIS DETAIL.
 2. LOAMY SOILS ARE DEFINED AS GRANULAR OR BLOCKY FRIABLE SOILS, A MIXTURE OF SAND, SILT & CLAY PARTICLES WITH A MINIMUM OF 1.5% BY DRY WEIGHT ORGANIC MATTER. THE SOIL MUST NOT BE SO COMPACTED AS TO IMPEDE ROOT GROWTH OR DRAINAGE. THE SOIL STRUCTURE SHALL NOT BE PLATY OR MASSIVE.
 3. THE SOIL MUST BE TESTED FOR TEXTURE, DRAINAGE CAPABILITY, PH, AND NUTRIENT VALUES PRIOR TO DETERMINING PLANT SELECTIONS & ANY ADDITIONAL SOIL IMPROVEMENTS.
 4. THIS DETAIL ASSUMES THAT THE AREA OF LOAMY SOIL AVAILABLE TO EACH TREE IS 500 SQUARE FEET MINIMUM.
 5. THIS PLANTING DETAIL WAS BASED ON ISA (INTERNATIONAL SOCIETY OF ARBORICULTURE) STANDARD TREE PLANTING DETAIL. FOR MORE INFORMATION SEE www.isa-arbor.com OR CALL (217) 355-9411.

2 SOIL IMPROVEMENT DETAIL TREES PLANTED IN NON-RESTRICTED SOIL CONDITIONS N.T.S.



4 GROUNDCOVER PLANTING DETAIL N.T.S.



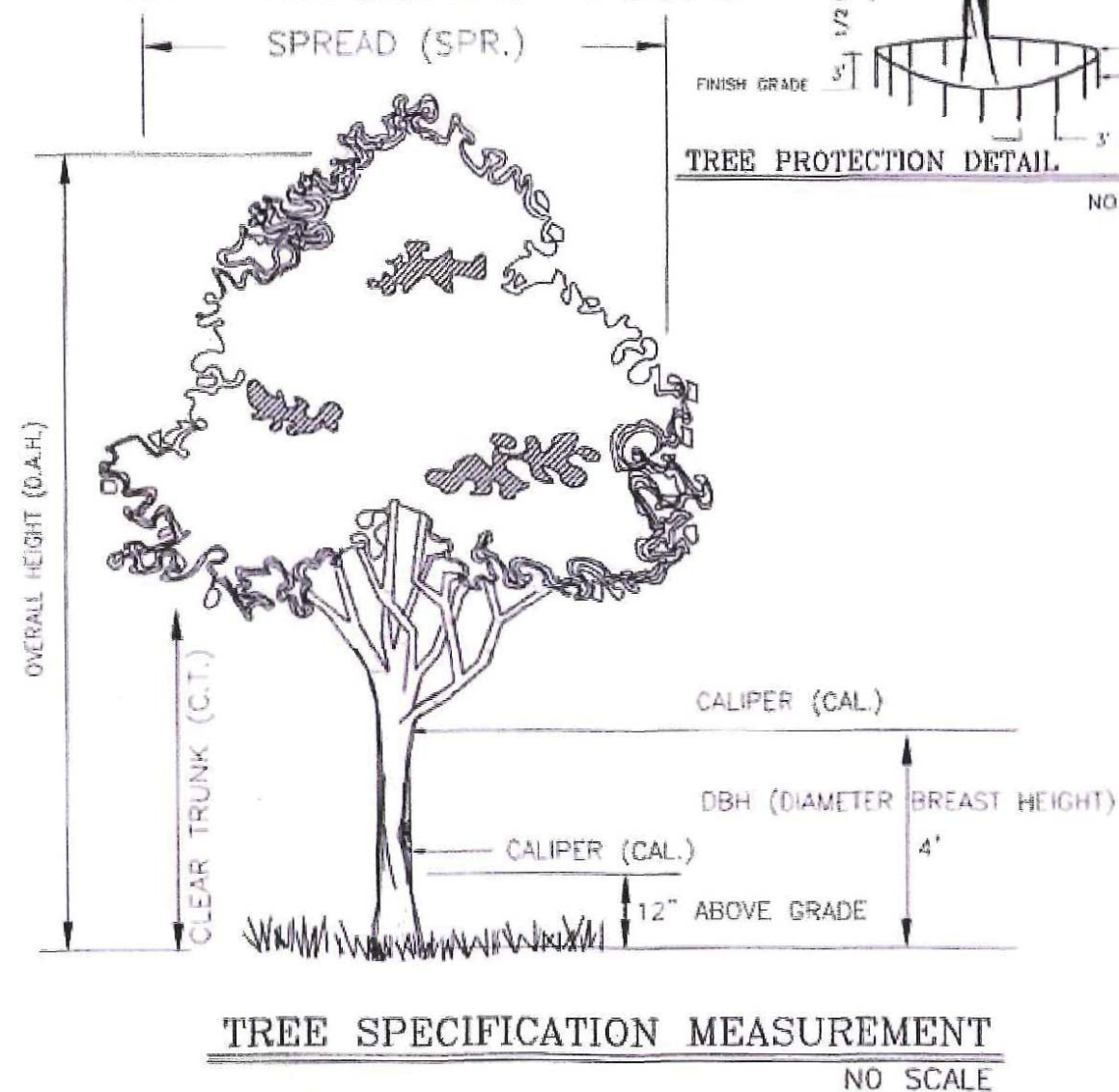
- NOTES:**
1. PLANTS TO BE INSTALLED WITH TRIANGULAR SPACING.
 2. SPACING ON PLANT LEGEND REFERS TO SPACING "D" IN THIS TABLE.

SPACING "D"	ROW "A"
6" O.C.	5" O.C.
8" O.C.	7" O.C.
10" O.C.	9" O.C.
12" O.C.	10" O.C.
14" O.C.	12" O.C.
15" O.C.	13" O.C.
16" O.C.	14" O.C.
18" O.C.	16" O.C.
24" O.C.	21" O.C.
30" O.C.	26" O.C.
36" O.C.	30" O.C.

5 GROUNDCOVER SPACING DETAIL N.T.S.

ABBREVIATION LEGEND:

B&B	BALLED & BURLAPPED
OAH	OVER ALL HEIGHT
SPR.	SPREAD
FG	FIELD GROWN
C.T.	CLEAR TRUNK
CCB	CLEAN CUT BOOTS
CAL.	CALIPER
DBH	DIAMETER BREAST HEIGHT
H.W.	HARD WOOD
AG	ABOVE GRADE
GAL.	GALLON
CONT.	CONTAINER
FGG	FULL GROWTH TO THE GROUND



PROTECTIVE BARRIER REQUIREMENTS

1. PROTECT ALL ABOVE GROUND PORTIONS OF TREES FROM MECHANICAL DAMAGE.
2. PROTECT SOIL NEAR TREE FROM COMPACTION.
3. PROVIDE PHYSICAL AND MENTAL AWARENESS OF THE PRESENCE OF TREES ON THE SITE TO CONSTRUCTION PERSONNEL.
4. HEAVY EQUIPMENT NOT ALLOWED INSIDE BARRIER, ONLY HAND LABOR.
5. CONSTRUCTION MATERIAL AND TEMPORARY SOIL DEPOSITS ARE NOT ALLOWED INSIDE BARRIER AREA.

PROTECTIVE BARRIER SPECIFICATIONS

1. UPRIGHTS SPACED AT 4 FT. INTERVALS OF NO LESS THAN 2" X 2" LUMBER WITH 1" X 4" TOP RAIL.
2. ALL BARRIERS TO BE ERECTED AROUND TREES TO BE PROTECTED BEFORE CONSTRUCTION OR CLEARING OF PROPERTY COMMENCES.
3. BARRIERS TO REMAIN IN PLACE UNTIL ALL PAVING, CONSTRUCTION AND HEAVY EQUIPMENT IS OUT OF AREA.
4. BARRICADES MUST BE PLACED AT DRIPLINE OF TREE TO BE PROTECTED UNLESS OTHERWISE INDICATED.

