

TREE REPLACEMENT CALCULATIONS

TREE SAMPLING DECEMBER 6, 2021
 0.1 AC SAMPLE AREA!
 TREES GREATER THAN 4" CALIPER
 13 TREES 4" < CALIPER AND 2 TOTAL TREES GREATER THAN 16"
 TOTAL SITE AREA = 5.003 AC.
 EXISTING TREES/WOODED AREA - 4.267 AC.
 EX. TREES/WOODED AREA TO BE REMOVED - 0.99 AC.
 TOTAL NUMBER OF TREES GREATER THAN 4" @ SITE PER SAMPLE AREA = 4.267 AC. X 13 TREES/0.1 AC. = 555 TREES
 PER TWP. CODE SECTION 222-5.1
 % OF TREES TO BE REMOVED FROM THE ENTIRE DEVELOPMENT - 23.2% (0.99 TREES / 4.267 TREES)
 % OF TREES TO BE REPLACED W/ TREES OF MINIMUM SIZE - 20% FOR TREES LESS THAN 16"

INVENTORY OF TREES GREATER THAN 4" CALIPER TO BE REMOVED @ LOT 13.01	NUMBER OF TREES TO BE REMOVED	NUMBER OF REPLACEMENT TREES	TOTAL TREES
4"-16"	- 120 TREES	X 1 X 20%	= 24 TREES
LESS THAN 18"	- 0 TREES	X 3	= 0 TREES
LESS THAN 21"	- 1 TREES	X 4	= 4 TREES
LESS THAN 24"	- 0 TREES	X 5	= 0 TREES
LESS THAN 27"	- 10 TREES	X 6	= 60 TREES
> THAN 29"	- 0 TREES		
TOTAL:	- 15 TREES		= 84 TREES

TOTAL REPLACEMENT TREES REQUIRED = 84
 TOTAL REPLACEMENT TREES PROVIDED = 45

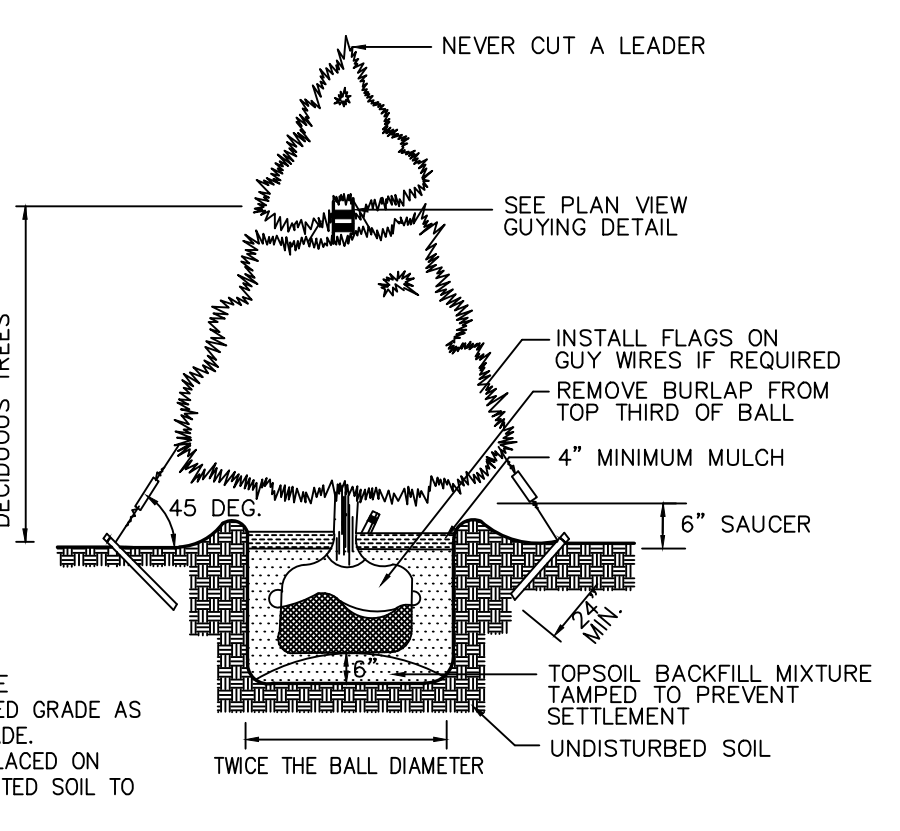
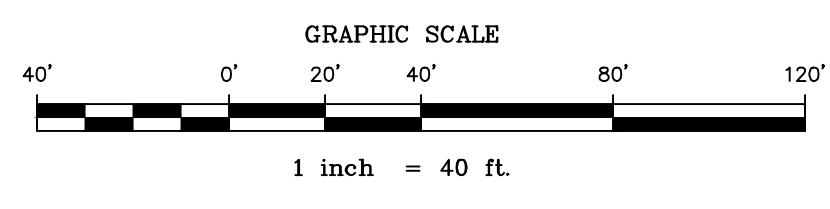
NOTE:
 CONTRIBUTION TO TOWNSHIP FUND TO BE PROVIDED FOR REMAINING REQUIRED REPLACEMENT TREES.

LANDSCAPE SCHEDULE:

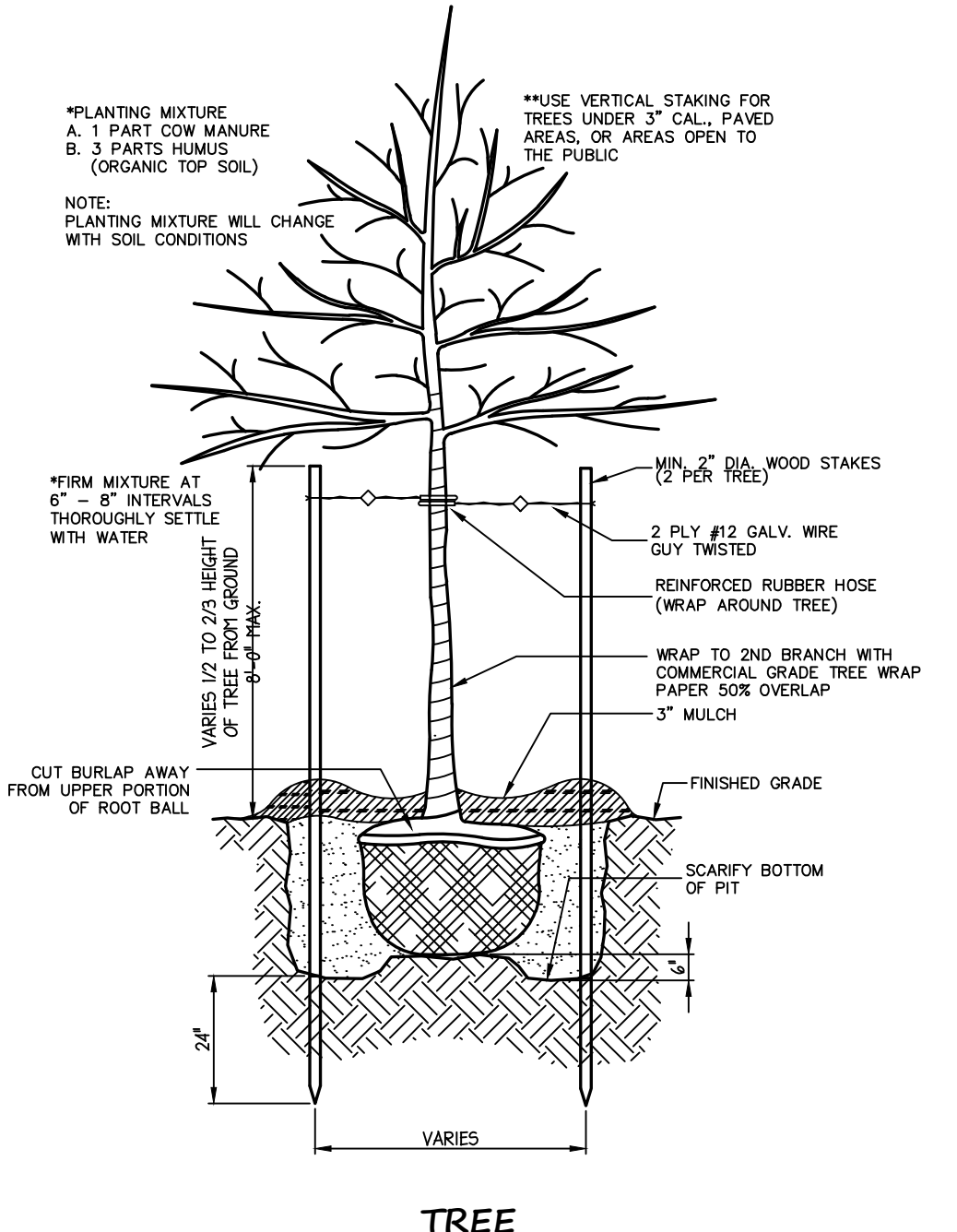
SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	MIN. SIZE	NOTES
ARP	6	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	2 1/2"-3" CAL.	EMB
JV	33	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8-10 FT HIGH	EMB
PA	6	PICA ABIES	NORWEGIAN SPRUCE	2 1/2"-3" CAL.	EMB
TOTAL:	45				

GENERAL LANDSCAPING NOTES:

- ALL PLANT MATERIAL IS TO BE FIRST QUALITY NURSERY GROWN STOCK, FREE FROM DISEASE OR OBJECTIONABLE DISFIGUREMENTS, AND PLANTED IN CONFORMANCE WITH SOUND NURSERY PRACTICE AND APPLICABLE TOWNSHIP STANDARDS.
- ALL PLANTINGS ARE TO BE MULCHED WITH 3" MINIMUM DEPTH OF SHREDDED HARDWOOD BARK.
- ALL PLANT MATERIALS ARE TO BE GUARANTEED TO BE IN HEALTHY AND VIGOROUS CONDITION FOR TWO YEARS.
- IF A DISCREPANCY EXISTS BETWEEN THE QUANTITY OF PLANTS SHOWN ON THE PLAN AND THE QUANTITY OF PLANTS INDICATED IN THE SCHEDULE, THE PLAN SHALL TAKE PRECEDENCE OVER THE SCHEDULE.
- ALL AREAS NOT LANDSCAPED WITH RIVER WASHED STONE OR MULCHED PLANTING BEDS SHALL BE STABILIZED WITH EITHER 500 OR SEEDED FOR GRASS LAWNS. SUCH AREAS SHALL BE TOPSOILED, LIMED, FERTILIZED, AND FINE GRADED PRIOR TO LAWN INSTALLATION (SEE SOIL EROSION AND SEDIMENT CONTROL DETAILS AND NOTES).
- A TEMPORARY FENCE, SUCH AS A SNOW FENCE, SHALL BE ERRECTED AT THE PERIMETER OF THE DRIP LINE OF ALL EXISTING VEGETATION INDICATED TO REMAIN PRIOR TO ANY EXCAVATION, CONSTRUCTION, OR OTHER SITE WORK. THIS FENCE MAY BE REMOVED ONLY AT THE TIME OF COMPLETION OF ALL CONSTRUCTION AND FINAL GRADING.
- ALL PLANT RELOCATIONS OR SUBSTITUTIONS SHALL BE SUBMITTED TO THE TOWNSHIP FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.



GUYING FOR EVERGREENS / DECIDUOUS TREES OVER 4" CAL.
 NOT TO SCALE



TREE PLANTING AND GUYING DETAIL
 NOT TO SCALE

NOTE:
 THE LANDSCAPE CONTRACTOR IS TO REMOVE ALL STAKES AND WIRES FROM TREES AFTER THE FIRST GROWING SEASON.

DATE:	DECEMBER 8, 2021
SCALE:	1" = 40'
DESIGNED BY:	M.K.F.
DRAWN BY:	A.B.
CHECKED BY:	M.K.F.
PER CLIENT	M.K.F. 1/4/22
REVISIONS	AUTH. DATE JOB No. 1901FS.01

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Van Cleef
 ENGINEERING ASSOCIATES, LLC
 Consulting Civil Engineering
 Bridge Design
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 Construction Inspection
 Geotechnical Engineering
 Water / Wastewater
 Municipal Engineering
 Land Surveying
 Professional Planning
 Landscape Architecture
 NJ LIC. CERT. NO. 24GA28132300

TREES PRESERVATION & MITIGATION PLAN
 FOR
 BLOCK 507.38 LOT 13
 161 CEDAR GROVE LANE,
 FRNKLIN TOWNSHIP,
 SOMERSET COUNTY, NEW JERSEY