

# PLANT SCHEDULE

| KEY                    | QTY. | BOTANICAL NAME                     | COMMON NAME                     | SIZE    | SPACING  |
|------------------------|------|------------------------------------|---------------------------------|---------|----------|
| <b>DECIDUOUS TREES</b> |      |                                    |                                 |         |          |
| GB                     | 3    | Ginkgo biloba 'Princeton Sentry'   | Princeton Sentry Ginkgo         | 3" cal. | per plan |
| MS                     | 24   | Malus x 'Spring Snow'              | Spring Snow Crab Apple          | 3" cal. | per plan |
| QB                     | 3    | Quercus bicolor                    | Swamp White Oak                 | 3" cal. | per plan |
| AG                     | 4    | Acer glabrum                       | Paper Bark Maple                | 3" cal. | per plan |
| CB                     | 15   | Caprinus betulus 'Fastigiata'      | Upright European Hornbeam       | 3" cal. | per plan |
| BC                     | 12   | Taxodium distichum 'Shawnee Brave' | Bald Cypress                    | 3" cal. | per plan |
| AB                     | 8    | Acer buergerianum                  | Trident Maple                   | 2" cal. | per plan |
| <b>EVERGREEN TREE</b>  |      |                                    |                                 |         |          |
| PF                     | 37   | Pinus strobus 'Fastigiata'         | Pyramidal White Pine            | 8" ht.  | per plan |
| PA                     | 15   | Picea Abies                        | Norway Spruce                   | 8" ht.  | per plan |
| <b>SHRUBS</b>          |      |                                    |                                 |         |          |
| CS                     | 9    | Cornus sericea 'Cardinal'          | Red Twig Dogwood                | 5 gal.  | per plan |
| RA                     | 52   | Rhus aromatica 'Gro-Low'           | Grow Low Fragrant Sumac         | 5 gal.  | per plan |
| TD                     | 91   | Taxus x media 'Densaformis'        | Densaformis Yew                 | 5 gal.  | per plan |
| VC                     | 45   | Viburnum opulus 'Compactum'        | Compact European Cranberry Bush | 5 gal.  | per plan |

\*NOTE: ALL PLANTS TO COMPLY WITH ANSI Z60.1; AMERICAN STANDARD FOR NURSERY STOCK

## LANDSCAPE CALCULATIONS:

- SECTION 14.090 (A) STREET FRONTAGE, 1 TREE SHALL BE PLANTED FOR EACH 30' OF STREET FRONTAGE, PUBLIC OR PRIVATE AND 1 SHRUB PER 20' OF FRONTAGE
- STREET TREES REQUIRED ALONG OLDHAM RD 233/30 = 8 STREET TREES REQUIRED - 8 TREES PROVIDED
  - SHRUBS REQUIRED ALONG OLDHAM RD 233/20 = 12 SHRUBS PROVIDED
  - STREET TREES REQUIRED ALONG WEST ACCESS RD 190/30 = 6 STREET TREES REQUIRED - 6 TREES PROVIDED
  - SHRUBS REQUIRED ALONG WEST ACCESS RD 190/20 = 10 SHRUBS PROVIDED - 12 SHRUBS PROVIDED
  - 20' LANDSCAPE STRIP REQUIRED - 20' LANDSCAPE STRIP PROVIDED
- SECTION 14.090 (B) OPEN YARD AREAS, 2 SHRUBS PER 5,000 S.F. OF TOTAL LOT AREA AND 1 TREE PER 5,000 S.F. OF LOT AREA NOT COVERED BY BUILDINGS
- 125,627 S.F. OF TOTAL LOT AREA - 40,940 = 84,687 / 5,000 x 2 = 34 SHRUBS REQUIRED - 34 SHRUBS PROVIDED
  - 125,627 - 40,940 = 84,687 / 5,000 = 17 TREES REQUIRED - 17 TREES PROVIDED
- SECTION 14.120 SCREENING PARKING LOT, A HEDGE CONSISTING OF 12 SHRUBS PER 40' THAT WILL CREATE A CONTINUOUS VISUAL SCREEN IN 2 YEARS, MIN. 18" TALL AT INSTALLATION
- OLDHAM RD 185/40 = 4,625 x 12 = 56 SHRUBS REQUIRED - 56 SHRUBS PROVIDED
  - WEST ACCESS RD = 142/40 = 3,55 x 12 = 43 SHRUBS REQUIRED - 43 SHRUBS PROVIDED
- SECTION 14.200 REQUIRED TYPICAL IMPACT SCREEN - SCREEN TYPE 'A'
- WEST PROPERTY LINE = 507' - 30' (ENTRANCE DRIVE) = 477 x 20' = 9,540 S.F.
  - 9,540 / 500 = 19 SHADE TREES REQ. - 19 UPRIGHT DECIDUOUS AND SHADE TREES PROVIDED
  - 9,540 / 750 = 13 ORNAMENTAL TREES REQ. - 13 PROVIDED
  - 9,540 / 300 = 32 EVERGREEN TREES REQ. - 32 PROVIDED
  - 9,540 / 200 = 48 SHRUBS REQ. - 48 PROVIDED

## LANDSCAPE NOTES:

- LANDSCAPE NOTES SHALL APPLY TO ALL LANDSCAPE DRAWINGS.
- LOCATION OF ALL UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS.
- LIMITS OF CONSTRUCTION ARE THE PROPERTY LINES, UNLESS OTHERWISE NOTED ON THE PLANS. EXCEPT WHERE ACCESS BEYOND IS REQUIRED FOR CONSTRUCTION RELATED TO UTILITY INSTALLATION AND EQUIPMENT ACCESS TO THE SITE.
- REFER TO CIVIL DRAWINGS FOR ALL GRADING AND BERMING, EROSION CONTROL, STORM DRAINAGE, UTILITIES AND SITE LAYOUT.
- THE CONTRACTOR SHALL ARRANGE AND CONDUCT A PRE-CONSTRUCTION MEETING ONSITE WITH LANDSCAPE ARCHITECT PRIOR TO ALL WORK.
- PLANT QUANTITIES ARE FOR INFORMATION ONLY. DRAWING SHALL PREVAIL IF CONFLICT OCCURS. CONTRACTOR IS RESPONSIBLE FOR CALCULATING OWN QUANTITIES AND BID ACCORDINGLY.
- THE CONTRACTOR IS TO NOTIFY LANDSCAPE ARCHITECT AFTER STAKING IS COMPLETED AND BEFORE PLANT PITS ARE EXCAVATED.
- THE CONTRACTOR SHALL PLACE SHREDDED HARDWOOD BARK MULCH AROUND ALL TREES TO A DEPTH OF 3", AND IN ALL PLANTING BEDS TO A DEPTH OF 2". WALNUT PRODUCTS ARE PROHIBITED.
- TREE LOCATIONS IN AREAS ADJACENT TO DRIVES, WALKS, WALLS AND LIGHT FIXTURES MAY BE FIELD ADJUSTED AS APPROVED BY THE LANDSCAPE ARCHITECT.
- KIND, SIZE AND QUALITY OF PLANT MATERIAL SHALL CONFORM TO AMERICAN STANDARD FOR NURSERY STOCK, ANSI-Z60-2004, OR MOST RECENT EDITION.
- THE CONTRACTOR SHALL REPORT SUBSURFACE SOIL OR DRAINAGE PROBLEMS TO THE LANDSCAPE ARCHITECT.
- THE PLAN IS SUBJECT TO CHANGES BASED ON PLANT SIZE AND MATERIAL AVAILABILITY. ALL CHANGES OR SUBSTITUTIONS MUST BE APPROVED BY THE CITY OF LEE'S SUMMIT, MO AND THE LANDSCAPE ARCHITECT.
- PLANTING OF TREES, SHRUBS, SODDED AND SEEDED TURFGRASS SHALL BE COMMENCED DURING EITHER THE SPRING (APRIL 15 - JUNE 15) OR FALL (SEPTEMBER 1 - NOVEMBER 15) PLANTING SEASON AND WITH WATER AVAILABLE FOR IRRIGATION PURPOSES.
- STEEL EDGING TO BE USED ON ALL LANDSCAPE BEDS ABUTTING SODDED AREAS.
- LANDSCAPE CONTRACTOR IS TO BE RESPONSIBLE FOR WATERING ALL PLANT MATERIALS UNTIL THE TIME THE PERMANENT IRRIGATION SYSTEM IS FULLY FUNCTIONAL AND ACCEPTANCE OF THE PROJECT HAS TAKEN PLACE. ANY MATERIAL WHICH DIES, DEFOLIATES (PRIOR TO ACCEPTANCE OF THE WORK) WILL BE PROMPTLY REMOVED AND REPLACE.
- THE CONTRACTOR SHALL SHOW PROOF OF PROCUREMENT, SOURCES, QUANTITIES AND VARIETIES FOR ALL SHRUBS, PERENNIALS, ORNAMENTAL GRASSES AND ANNUALS WITHIN 21 DAYS FOLLOWING THE AWARD OF THE CONTRACT.
- ALL TREES SHALL BE CALLIPERED AND UNDERSIZED TREES SHALL BE REJECTED. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, SOUND, HEALTHY, VIGOROUS AND FREE FROM INSECTS, DISEASE AND INJURIES. WITH HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES. SIZES SHALL BE EQUAL TO OR EXCEEDING SIZES INDICATED ON THE PLANT LIST. THE CONTRACTOR SHALL SUPPLY PLANTS IN QUANTITY AS SHOWN ON THE DRAWINGS.
- STAKE OR PLACE ALL PLANTS IN FIELD AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT FOR APPROVAL BY THE OWNER PRIOR TO PLANTING.
- ALL DISTURBED AREAS NOT OTHERWISE COVERED BY BUILDING, PAVEMENT, LANDSCAPE BEDS SHALL BE SODDED WITH TURF TYPE TALL FESCUE UNLESS OTHERWISE INDICATED BY THE OWNER.
- ALL EXTERIOR GROUND OR BUILDING MOUNTED EQUIPMENT, INCLUDING BUT NOT LIMITED TO MECHANICAL EQUIPMENT AND UTILITY METER BANKS SHALL BE SCREENED FROM PUBLIC VIEW WITH EVERGREEN LANDSCAPING THAT IS 6" TALLER THAN THE EQUIPMENT BEING SCREENED AT THE TIME OF PLANTING.
- PREPARE PLANTING BEDS BY INCORPORATING AN APPROVED COMPOSTED ORGANIC SOIL INTO EXISTING SOIL FOR ALL SHRUB, PERENNIAL AND ANNUAL PLANTING BEDS AT A MINIMUM DEPTH OF 6". THOROUGHLY MIX ORGANIC MATERIAL INTO THE EXISTING SOIL BY ROTOTILLING OR OTHER APPROVED METHOD TO A MINIMUM DEPTH OF 12".
- APPLY A COMMERCIAL ROOT STIMULATOR (APPROVED BY LANDSCAPE ARCHITECT PRIOR TO USE) TO ALL SHRUBS AND GROUND COVERS AT RATES RECOMMENDED BY MANUFACTURER DURING FIRST PLANT WATERING FOLLOWING INSTALLATION.
- ALL LANDSCAPE AREAS SHALL BE IRRIGATED WITH A HIGH EFFICIENCY AUTOMATIC IRRIGATION SYSTEM ACHIEVING 100% EVEN COVERAGE OF ALL LANDSCAPE AREAS. IRRIGATION SYSTEM SHALL BE DESIGN-BUILD TO MEET ALL CITY REQUIREMENTS.
- TREE PROTECTION FENCING SHALL BE INSTALLED AND APPROVED BY THE CITY FORESTER PRIOR TO ANY LAND DISTURBANCE. TREE PROTECTION FENCING SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETE ON THE PROJECT. NO PARKING OF VEHICLES, MATERIAL STORAGE, WASHOUTS OR GRADING ARE ALLOWED WITHIN THE FENCING. IF THE FENCING MUST BE REMOVED OR RELOCATED, THE CITY FORESTER SHALL BE CONTACTED FOR PRIOR APPROVAL.
- A CERTIFIED ARBORIST SHALL PRUNE ALL EXISTING TREES TO REMAIN. TREES CONFLICTING WITH BUILDING OR OVERLAPPING LANDSCAPE BEDS SHALL BE PRUNED UP TO ALLOW FOR 12' OF CLEARANCE UNDER CANOPY.
- ALL LAWN AREAS SHALL RECEIVE A MINIMUM OF 6-INCH DEPTH TOPSOIL COMPACTED TO 85% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
- THE ENTIRE SURFACE TO BE SODDED SHALL BE REASONABLY SMOOTH AND FREE FROM STONES, ROOTS, OR OTHER DEBRIS.
- SOD SHALL BE MACHINE STRIPPED AT A UNIFORM SOIL THICKNESS OF APPROXIMATELY ONE INCH (PLUS OR MINUS 1/4 INCH). THE MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH, AND SHALL BE DETERMINED AT THE TIME OF CUTTING IN THE FIELD. PRECAUTIONS SHALL BE TAKEN TO PREVENT DRYING AND HEATING. SOD DAMAGED BY HEAT AND DRY CONDITIONS, SOD CUT MORE THAN 18 HOURS BEFORE BEING INCORPORATED INTO THE WORK SHALL NOT BE USED.
- HANDLING OF SOD SHALL BE DONE IN A MANNER THAT WILL PREVENT TEARING, BREAKING, DRYING AND OTHER DAMAGE. PROTECT EXPOSED ROOTS FROM DEHYDRATION. DO NOT DELIVER MORE SOD THAN CAN BE LAID WITHIN 24 HOURS.
- MOISTEN PREPARED SURFACE IMMEDIATELY PRIOR TO LAYING SOD. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE INSTALLING SOD. FERTILIZE, HARROW OR RAKE FERTILIZER INTO TOP 1-1.2 INCHES OF TOPSOIL, AT A UNIFORM RATE OF ONE POUND OF NITROGEN PER 100 SF.
- SOD SHALL BE CAREFULLY PLACED IN THE DIRECTION PARALLEL WITH THE SLOPE OF THE AREA TO BE SODDED. SOD STRIPS SHALL BE BUTTED TOGETHER BUT NOT OVERLAPPED WITH THE SEAMS STAGGERED ON EACH ROW.
- FERTILIZER SHALL BE 10-10-5 COMMERCIAL FERTILIZER OF THE GRADE, TYPE AND FORM SPECIFIED AND SHALL COMPLY WITH THE RULES OF THE STATE OF KANSAS DEPARTMENT OF AGRICULTURE. FERTILIZER SHALL BE IDENTIFIED ACCORDING TO THE PERCENT N, P, K, IN THAT ORDER.
- SATURATE SOD WITH FINE WATER SPRAY WITHIN TWO HOURS OF PLANTING. DURING FIRST WEEK AFTER PLANTING, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A MINIMUM DEPTH OF FOUR INCHES BELOW SOD.
- CONTRACTOR SHALL PROVIDE FULL MAINTENANCE FOR SODDED TURF GRASS FOR A PERIOD OF 30 DAYS AFTER THE DATE OF FINAL ACCEPTANCE. AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, WELL-ROOTED, EVEN-COLORED, VIBRANT TURF MUST BE ESTABLISHED. THE TURF GRASS SHALL BE FREE OF WEEDS, OPEN JOINTS, BARE AREAS AND SURFACE IRREGULARITIES.
- IN THE EVENT OF WORK IN OR ON THE SANITARY MAIN, ANY TREES OR PLANTINGS PLACED WITHIN THE SEWER EASEMENT MAY BE REMOVED WITHOUT REPLACEMENT OR COMPENSATION THERE-OF AND SHALL BE REPLACED BY THE PROPERTY OWNER AS REQUIRED BY THE CITY.
- LANDSCAPE ADJACENT TO THE FIRE DEPARTMENT CONNECTION AND FIRE HYDRANT SHALL ALLOW FOR UNOBSTRUCTED VISIBILITY AND ACCESS, WITH NO SHRUBS OR TREES WITH IN A 3' RADIUS OF THE FIRE DEPARTMENT CONNECTION OR FIRE HYDRANT.

