



LAWN

- EXISTING LAWN AREA REDUCED TO TWO SEMICIRCULAR AREAS
- REPEATS SHAPE OF PREVIOUSLY DESIGNED HARDSCAPE
- PROVIDES VISUAL CONTRAST TO NATURAL AREAS

PAVERS

- PATHWAYS THROUGH VEGETATED AREAS PROVIDE ACCESS TO EXISTING MONITORING STATIONS AND OTHER UTILITIES
- PATHS ARE UNDERSTATED VISUALLY BY SCREENING SOME AREAS WITH VEGETATION
- PAVERS PLACED IN A RECTILINEAR FASHION PROVIDE A SUBTLE VISUAL CONTRAST TO THE ORGANIC NATURE OF THE PLANTINGS AND RAINGARDENS

RAIN GARDEN

- VEGETATED SWALE WITH OCCASIONAL ROCK LEDGES CONNECTS EXISTING CURB CUTS WITH FIRST CREEK
- SLIGHT DEPRESSION PLANTED WITH CHEROKEE SEDGE WITH ACCENT FLOWERING PLANTS AT THE ROAD
- SLOWS AND FILTERS RUNOFF FROM PAVEMENT BEFORE ENTERING STREAM

NOTES:

1. BEFORE COMMENCING, DETERMINE THE LOCATIONS OF ALL UTILITIES, SUBSURFACE DRAINAGE, AND UNDERGROUND CONSTRUCTION. EXERCISE CAUTION TO PROTECT SUBSURFACE IMPROVEMENTS.
2. SPECIAL ATTENTION, APPROVAL, AND COORDINATION SHALL BE REQUIRED PRIOR TO AND DURING DISTURBANCE OF ANY AREAS KNOWN OR SUSPECTED TO CONTAIN HAZARDOUS OR RADIOACTIVE SEDIMENTS.
3. COORDINATE PLANTING LAYOUT AND INSTALLATION WITH THE LANDSCAPE ARCHITECT.
4. TAKE PRECAUTIONS TO AVOID DAMAGE TO EXISTING WALKS, PAVING, FENCES, LIGHTING, AND OTHER SITE IMPROVEMENTS.
5. SIZE, QUALITY, ROOT BALL PREPARATIONS, AND GRADING STANDARDS SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN, INC., AS PUBLISHED IN "THE AMERICAN STANDARD FOR NURSERY STOCK."
6. PLANTS SHALL BE NURSERY GROWN AND HAVE A HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES. THEY SHALL BE SOUND, HEALTHY, VIGOROUS AND FREE FROM INSECTS, PLANT DISEASES, AND INJURIES. ROOTS SHALL BE PROTECTED DRYING SUN AND WINDS UNTIL PLANTED.
7. SITE PREPARATION, PLANTING, AND MAINTENANCE GUIDELINES FOR LAWNS WILL BE PROVIDED BY THE LANDSCAPE ARCHITECT.
8. RAIN GARDEN SWALES WILL INITIALLY BE LINED WITH EROSION FABRIC (NORTH AMERICAN GREEN C125BN OR APPROVED EQUAL) BEFORE PLANTING WITH SEDGE PLUGS.
9. LEDGE ROCK FOR RAIN GARDENS SHALL BE INDIGENOUS TO THE LOCALE AND FROM SITES COORDINATED AND APPROVED BY THE LANDSCAPE ARCHITECT. PREFERENCE WILL BE GIVEN TO AREAS PREVIOUSLY DISTURBED BY CONSTRUCTION ACTIVITIES OR SITES PENDING DEVELOPMENT.

NEW BRIDGE AND PLAZA UNDER DEVELOPMENT



S.T.E.M. ZONE (Selective Thinning and Exotics Management)

IN ADDITION TO THE REMOVAL OF INVASIVE EXOTIC PLANT SPECIES, SOME NATIVE SPECIES WILL ALSO BE FLAGGED FOR REMOVAL BY THE LANDSCAPE ARCHITECT. THE PURPOSE FOR SELECTIVE THINNING IS TO MAXIMIZE THE AESTHETIC QUALITY OF THE CREEK AND THE ARCHITECTURAL SETTING, WITHOUT COMPROMISING THE ECOLOGICAL INTEGRITY OF THE RIPARIAN ZONE.

EXISTING INVASIVE EXOTIC SPECIES TO BE REMOVED:

- | | |
|------------------------------------|----------------------|
| <i>Alanthus altissima</i> | Tree of Heaven |
| <i>Cynodon dactylon</i> | Bermudagrass |
| <i>Eleagnus oungens</i> | Thorny Olive |
| <i>Euonymus fortunei</i> | Creeping Euonymus |
| <i>Hedera helix</i> | English Ivy |
| <i>Lespedeza cuneata</i> | Sericea Lespedeza |
| <i>Ligustrum sinensis</i> | Chinese Privet |
| <i>Lonicera japonica</i> | Japanese Honeysuckle |
| <i>Pyrus calleryana</i> 'Bradford' | Bradford Pear |
| <i>Vicia sp.</i> | Vetch |

First Creek Riparian Buffer - ORNL
Environmental Landscape Plan
 Conceptual Master Plan

Environmental Landscape Design Associates (ELDA)

Prepared by:
 Sam Rogers, ASLA, RLA
 Leah Gardner, MLA

Prepared 093008

Illustration not to scale

Sheet **1** of **4**