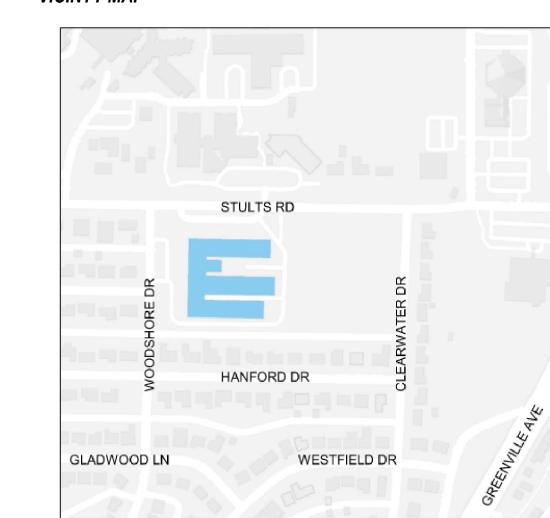
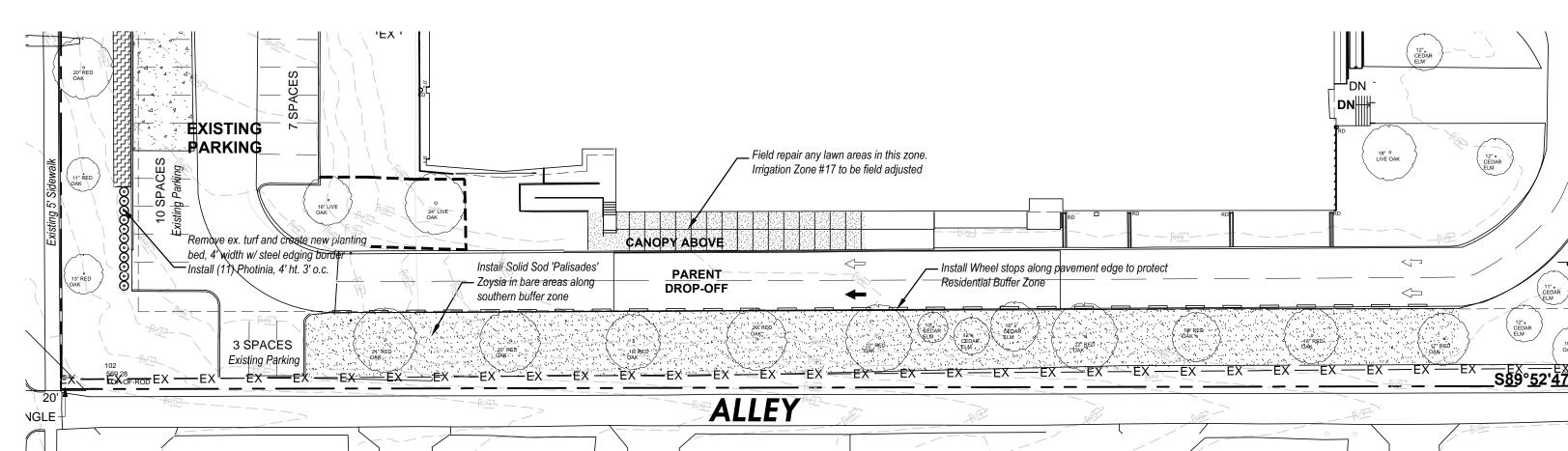
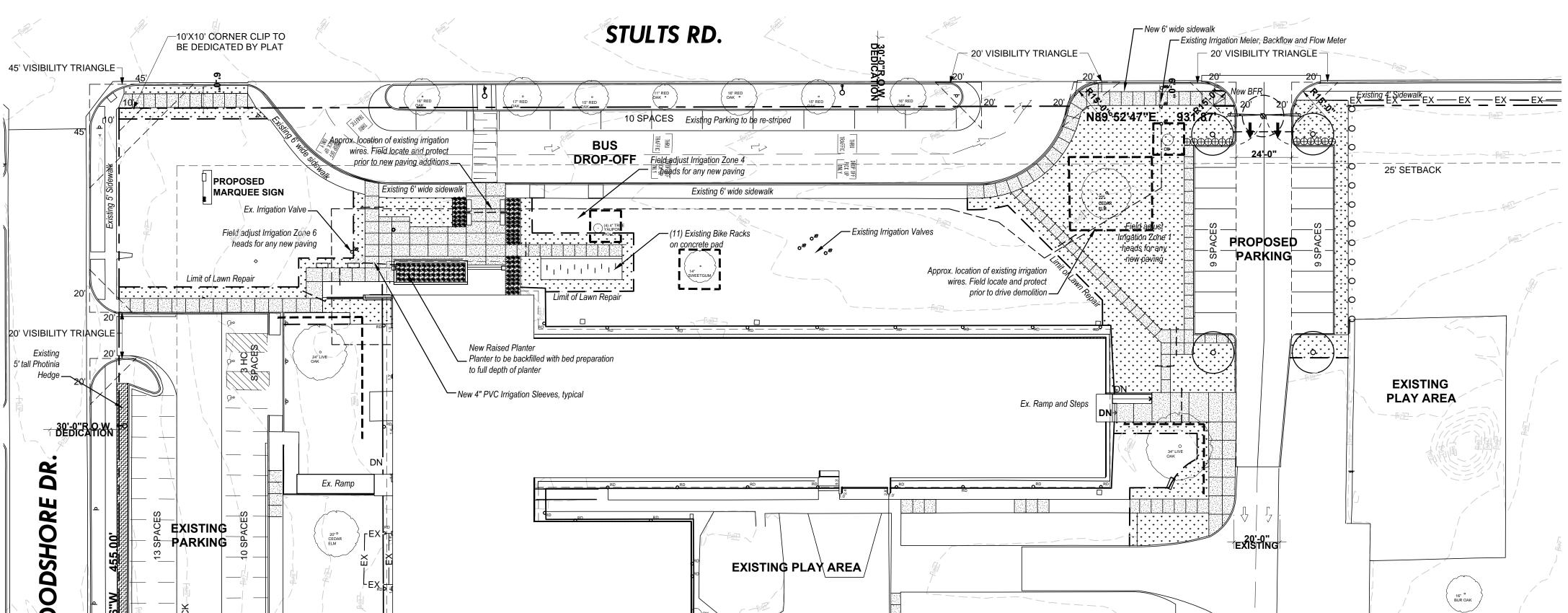
VICINTY MAP











12 LANDSCAPE ENLARGEMENT PLAN

IRRIGATION REPAIR SPECIFICATIONS

extent of existing irrigation system.

- 1. Contractor shall perform site visit prior to bidding and construction, to review
- 2. Contractor shall be responsible for verifying conditions of existing irrigation system. Contractor shall be responsible for maintaining the integrity of existing irrigation where possible, and if not, repair as needed, including but not limited to irrigation controller, meter, sleeving, etc.

LAWN REPAIR NOTES

1. All lawn areas damaged during construction to be repaired with solid sod and raked free of debris.

- 2. Adjust damaged areas to achieve positive drainage away from buildings. Provide uniform rounding at top and bottom of slopes and other breaks in grade. Correct irregularities and areas where water may stand.
- 3. All areas to be repaired must be planted by hand to cover area completely. Insure edges of sod are touching. Top dress joints by hand with compost to

4. Roll repaired areas to achieve a smooth, even surface, free from unnatural undulations.

GRAPHIC PLANT LEGEND

- (4) CEDAR ELM, 3" cal. Ulmus crassifolia container grown, 12' ht. min.
- (13) DWARF BURFORD HOLLY, 5 gal. llex cornuta 'Burfordii nana' container grown, full plant, 36" o.c. (137) DWARF HAMLEN GRASS, 3 gal. Pennisetum sp. 'Dwarf Hamlen'

container, full top of container, 24" o.c.

- New Lawn, Solid Sod Bermudagrass
- NEW CONCRETE SIDEWALKS PER ARCHITECTURAL
- TREE PROTECTION FENCING — — — TO REMAIN DURING CONSTRUCTION REFER TO A AND B / L1.2
- (11) PHOTINIA, 4' HT. Photinina fraserii container grown, full plant, 36" o.c.

the limits of the dripline of any tree.

EXISTING TREE NOTES

- 1. Existing trees to remain shall be protected during construction from tree structure damage and compaction of soil under and around dripline (canopy)
- 2. If any root structure is damaged during adjacent excavation/construction, notify the Architect immediately. It is recommended that a licensed Arborist be secured for the treatment of any possible tree wounds.
- 3. No disturbance of the soil greater than 4" shall be located closer to the tree trunk than 1/2 the distance of the drip line to the tree trunk. A minimum of
- 75% of the drip line and root zone shall be preserved at natural grade. 4. Any fine grading done within the critical root zones of the protected trees must be done with light machinery such as a bobcat or light tractor. No earth moving equipment with tracks is allowed within the critical root zone of the
- 5. Material Storage: No materials intended for use in construction or waste materials accumulated due to excavation or demolition shall be placed within
- 6. Equipment Cleaning/Liquid Disposal: No equipment may be cleaned, toxic solutions, or other liquid chemicals shall be deposited within the limits of the dripline of a tree. This would include but not be limited to paint, oil, solvents, asphalt, concrete, mortar, primers, etc.
- 7. Tree Attachments: No signs, wires or other attachments, other than those of a protective nature shall be attached to any tree.
- 8. Vehicular Traffic: No vehicular and construction equipment traffic or parking is allowed within the limits of the dripline of trees.
- 9. Boring of Utilities: May be permitted under protected trees in certain
- circumstances. The minimum length of the bore shall be the width of the tree's canopy and shall be a minimum depth of forty-eight (48") inches.
- 10. Trenching: Any irrigation trenching which must be done within the critical root zone of a tree shall be dug by hand and enter the area in a radial manner.
- 11. Protective Fencing: All trees to remain, as noted on drawings, shall have protective fencing located at the tree's dripline. The protective fencing may be comprised of snow fencing, orange vinyl construction fencing, chain link fence or other similar fencing with a four (4') foot approximate height. The protective

fencing will be located as indicated on the Tree Protection Detail(s).

- 12. Bark Protection: In situations where a tree remains in the immediate area of intended construction, the tree shall be protected by enclosing the entire circumference of the tree's trunk with lumber encircled with wire or other means that does not damage the tree. Refer to Tree Protection Detail(s).
- 13. Construction Pruning: In a case where a low hanging limb is broken during the course of construction, the Contractor shall notify the Landscape Architect immediately. In no instance shall the Contractor prune any portion of the damaged tree without the prior approval by the Landscape Architect.

SOLID SOD NOTES

- 1. All lawn areas to receive solid sod shall be left in a maximum of 1" below final finish grade. Contractor to coordinate operations with on-site Construction
- 2. Imported topsoil shall be natural, friable soil from the region, known as bottom and soil, free from lumps, clay, toxic substances, roots, debris, vegetation, stones, containing no salt and black to brown in color. 3. All lawn areas to be fine graded, irrigation trenches completely settled, and
- finish grade approved by the Owner's Construction Manager or Architect prior to installation.
- be removed prior to placing topsoil and any lawn installation 5. Contractor shall provide (1") one inch of imported topsoil on all areas to
- 6. Plant sod by hand to cover indicated area completely. Insure edges of sod

are touching. Top dress joints by hand with topsoil to fill voids.

4. All rocks 3/4" diameter and larger, dirt clods, sticks, concrete spoils, etc. shall

- 7. Roll grass areas to achieve a smooth, even surface, free from unnatural
- 8. Water sod thoroughly as sod operation progresses.
- 9. Contractor shall maintain all lawn areas until final acceptance. This shall include, but not limited to: mowing, watering, weeding, cultivating, cleaning and replacing dead or bare areas to keep plants in a vigorous, healthy
- 10. Contractor shall guarantee establishment of an acceptable turf area and shall provide replacement from local supply if necessary.

LANDSCAPE NOTES

- 1. Contractor shall verify all existing and proposed site elements and notify Architect of any discrepancies. Survey data of existing conditions was
- 2. Contractor shall locate all existing underground utilities and notify Architect of any conflicts. Contractor shall exercise caution when working in the vicinity of underground utilities.
- 3. Contractor is responsible for obtaining all required landscape and irrigation
- 4. Contractor to provide a minimum 2% slope away from all structures.
- 5. All planting beds and lawn areas to be separated by steel edging. No steel to be installed adjacent to sidewalks or curbs.
- 6. All landscape areas to be 100% irrigated with an underground automatic irrigation system and shall include rain and freeze sensors.
- 7. All lawn areas to be Solid Sod Bermudagrass, unless otherwise noted on the

MAINTENANCE NOTES

- 1. The Owner, tenant and their agent, if any, shall be jointly and severally responsible for the maintenance of all landscape.
- 2. All landscape shall be maintained in a neat and orderly manner at all times. This shall include mowing, edging, pruning, fertilizing, watering, weeding and other such activities common to landscape maintenance.
- 3. All landscape areas shall be kept free of trash, litter, weeds and other such material or plants not part of this plan.
- 4. All plant material shall be maintained in a healthy and growing condition as is appropriate for the season of the year.

5. All plant material which dies shall be replaced with plant material of equal or

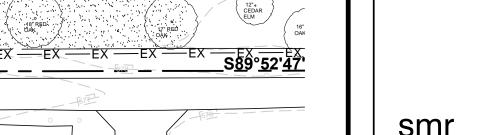
Q LANDSCAPE ENLARGEMENT PLAN

IRRIGATION PERFORMANCE SPECIFICATIONS

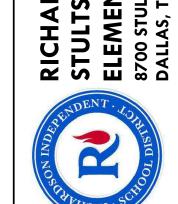
1. SLEEVES shall be: PVC Schedule 40.

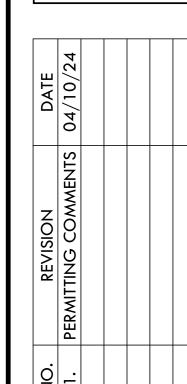
'head-to-head' spacing.

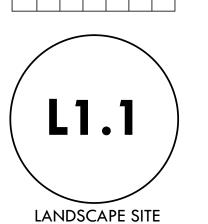
- 2. All main line and lateral piping shall have a minimum of 12 inches of cover. All piping under paving shall have a minimum of 18 inches of cover. Contractor required to verify freeze depth of area and adjust depth accordingly.
- 3. Contractor shall submit head layout and material list to Architect and Owner for review and approval prior to installation. Refer to Guidelines below: a. lawn and planting beds to be on separate zones. b. north and east sides of buildings to be zoned separately from
- south and west sides. c. utilize 12" pop-ups in planting beds and 4" pop-ups in lawn
- 4. Plans shall be drawn to scale. Contractor shall submit 'as-built' record drawing of complete irrigation system to Owner and shall include but not limited to the following: mainline, valves, quick couplers, irrigation meter and
- 5. Square spacing of heads shall not be permitted. All heads to be
- 6. Contractor shall be responsible for verifying conditions of existing irrigation system, if present on site. Contractor shall be responsible for maintaining the integrity of existing irrigation where possible, including but not limited to irrigation controller, meter, sleeving, etc.
- 7. The irrigation contractor shall coordinate installation of the system with the landscape contractor so that all plant material will be watered in accordance with the intent of the plans and specifications.
- 8. The irrigation contractor shall select the proper arc and radius for each nozzle, insure 100% coverage of all lawn areas, insure no water spray towards the building and insure that water does not throw onto sidewalks or streets.



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