



LANDSCAPE IRRIGATION SYSTEM

PART 1 - GENERAL

1.01 PROVISIONS GOVERNING WORK UNDER THIS SECTION SHALL MEET ANY APPLICABLE SPECIFICATION OF THE PROJECT SPECIFICATIONS.

1.02 DESCRIPTION

A. INCLUDE: The intent of these specifications is to provide a performance standard for the preparation of irrigation plans and system installation by the Contractor. Irrigation Contractor shall be responsible for coverage as required by these specifications. Coordination with the Owner is critical to accomplishing a functioning system. See Section 1.06 for bid-submittal requirements.

B. EXCLUDE: Include design and plans plus labor, materials and equipment necessary to complete the installation of the sprinkler system.

1.03 COVERAGE REQUIREMENTS

1. IRRIGATION: The intent of these specifications is to provide a performance standard for the preparation of irrigation plans and system installation by the Contractor. Irrigation Contractor shall be responsible for coverage as required by these specifications. Coordination with the Owner is critical to accomplishing a functioning system. See Section 1.06 for bid-submittal requirements.

2. IRRIGATION: The intent of these specifications is to provide a performance standard for the preparation of irrigation plans and system installation by the Contractor. Irrigation Contractor shall be responsible for coverage as required by these specifications. Coordination with the Owner is critical to accomplishing a functioning system. See Section 1.06 for bid-submittal requirements.

3. IRRIGATION: The intent of these specifications is to provide a performance standard for the preparation of irrigation plans and system installation by the Contractor. Irrigation Contractor shall be responsible for coverage as required by these specifications. Coordination with the Owner is critical to accomplishing a functioning system. See Section 1.06 for bid-submittal requirements.

1.04 REQUIREMENTS BY OWNER AND REGULATORY AGENCIES

A. FINANCES AND REGULATIONS: County, municipal and state laws, rules and regulations governing or relating to any portion of this work are hereby incorporated into and made a part of these specifications and their provisions shall be carried out by the Contractor. However, when these provisions call for or describe materials, workmanship or construction of a better quality, higher standard or larger size, they shall take precedence over the provisions of such rules and regulations.

B. PERMITS AND INSPECTIONS: Permits for the installation or construction of the work which are required by the legally constituted authorities having jurisdiction, shall be obtained and paid for by the Contractor, each at the proper time. Contractor shall also arrange for and pay costs in connection with inspections and examinations required by these authorities.

1.05 QUALITY ASSURANCE

A. MANUFACTURING QUALIFICATIONS: Provide the landscape irrigation system a complete unit produced by the acceptable manufacturer for all parts of the work, including heads, valves, piping circuits, controls and accessories.

B. MANUFACTURER'S SPECIFICATIONS: The latest printed specifications of manufacturer of materials shall become part of these specifications.

1.06 CONDITIONS

A. 1. EXISTING UTILITIES: Irrigation Contractor shall contact all utilities for flagging of underground utilities in irrigated areas. Other utilities affecting installation shall be verified with the general contractor before start of work.

B. 2. LOCATION STAKING OR FLAGGING: shall be the responsibility of the Contractor with final approval by the Architect. Irrigation head locations, mainline and controller locations shall be marked. Adjustments may be necessary to avoid interference with underground obstructions. Verify staking or flagging method with Architect. Full and complete coverage is required. The Contractor shall make any necessary minor adjustments to the design to achieve full coverage of irrigated areas at no additional cost to the Owner.

C. 3. DAMAGE BY LEAKS: Irrigation Contractor is responsible for damages to existing walks, roads, building piping systems, electrical systems, and equipment and contents caused by leaks in piping systems being installed or having been installed. Repair at Irrigation Contractor's expense, all damages so caused. Repair work shall be done as directed by the Architect.

D. 4. DAMAGE BY WORK: Damage to the grounds, existing turf, trees and shrubs, walks, roads and work by other contractors shall be repaired at Irrigation Contractor's expense.

1.07 SUBMITTALS

A. 1. DRAWINGS AND SPECIFICATIONS (BID SUBMITTALS): Submit to Architect for review. Submittal shall include irrigation design drawings and manufacturer's technical data sufficient to exhibit the Contractor's intended system design. Plans shall be to scale and well drawn. Illustrations or photos without sufficient detail for review shall be rejected. Quantity and types of heads, valves and controllers shall be listed.

B. 2. WORKING DRAWINGS: Include plan layout and details illustrating installation and type of heads, valves, piping and accessories. Show design details, valve sizes, GPM requirements, piping, wiring and controller design. The Contractor selected to perform the work shall submit to the Architect working drawings for review. Revise plans as directed.

C. Include manufacturer's technical data and installation instructions.

D. 3. RECORD PROJECT RECORD (AS BUILT) DRAWINGS: as specified below:
1. AS-BUILT PRINTS: Maintain one set of "As-Built" prints for annotation, revision, additions, changes, relocation, and corrections to the installation plan. These shall be carefully recorded and kept up to date throughout the project of the job to completion of the project. Original plans shall be used to show these changes then submitted to the Architect providing a permanent record of this work.

PART 2 - PRODUCTS AND MATERIALS

2.01 GENERAL

A. 1. PRODUCTS AND MATERIALS shall be approved by the Architect before installation. The following is not a complete listing of materials but intended to provide specific requirements for critical materials.

2.02 MATERIALS

1. PIPING: (MAIN) LINE PIPES to be polyvinyl chloride (PVC) plastic pipe class 200 for 1 1/4" and above. No 1 1/2" pipe shall be used. Poly pipe must be using screw type all stainless steel clamps is an acceptable substitute. Size above comparable PVC pipe.
2. SPRINKLER HEADS: Select heads to meet coverage and design requirements.
3. VALVE BOXES: Control valves shall be housed in valve boxes consisting of heavy duty plastic and shall be of an adequate size so as to have one inch clear space all around the valve component. Boxes shall have plastic covers and shall be installed flush with finished grade. Use a large single box for valve groupings rather than several individual boxes. The words "control valve" shall be clearly labeled on the lid of all electric valve boxes. Manufacturer to be AMETEK or equal and have green valve covers.
4. IRRIGATION CONTROLLER(S): Controller shall be a dual program type having daily and interval watering capability. Controller shall be located as directed by Architect.
5. VALVES: Plastic or brass valves are acceptable. All manual valves shall be a globe or ball type. Manual gate valves are not acceptable.
6. CONTROL WIRE: Electrical control and ground wire to be used for connecting remote control valves to the automatic controller shall be type UL 100 volt standard or solid copper single conductor wire with PVC insulation and bearing UL approval for direct underground burial feeder cable, 14 gauge.
7. CONTROL WIRE shall be of one color, and common or ground wires shall be another color. Unused wires buried in the ground for future use shall be a third color. All color codes shall be noted on the record drawing.
8. VERIFICATION of wire types and installation procedures shall be checked to conform with local codes and shall be installed according to recommended manufacturer's specifications.
9. WIRE CONNECTIONS in the field shall be made using approved wire connectors utilizing a sealing cement to ensure a waterproof connection.
10. RAIN SENSORS: Mini-Click II model by Glen-Hilton Products, Inc. or equal.

Note: Irrigation Contractor to locate, furnish and install. Coordinate installation with General Contractor.

B. SPRINKLER HEADS: Select heads to meet coverage and design requirements.

C. VALVE BOXES: Control valves shall be housed in valve boxes consisting of heavy duty plastic and shall be of an adequate size so as to have one inch clear space all around the valve component. Boxes shall have plastic covers and shall be installed flush with finished grade. Use a large single box for valve groupings rather than several individual boxes. The words "control valve" shall be clearly labeled on the lid of all electric valve boxes. Manufacturer to be AMETEK or equal and have green valve covers.

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G. RAIN SENSORS: Mini-Click II model by Glen-Hilton Products, Inc. or equal.

PART 3 - EXECUTION

3.01 PREPARATION

A. 1. INSPECTION: Examine the areas and conditions under which irrigation system is to be installed and notify the Architect of conditions detrimental to the proper installation of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the Architect.

B. 2. EXISTING UTILITIES: Before start of work, verify revisions to the system design with the Architect due to utility lines or other obstructions previously flagged. Damage caused by installation work shall be repaired at the Irrigation Contractor's expense.

C. 3. PLANS ON JOB-SITE: Irrigation Contractor shall have at the job-site the most current set of irrigation and landscape plans at all times.

3.02 SYSTEM DESIGN

A. 1. DESIGN PRESSURES: See section 1.01 F for water source. Notify the Architect of the available pressure and GPM at the well. Revisions to the system design and any change in contract price shall be approved by the Architect.

B. 2. LOCATION OF HEADS: Minor adjustment to head locations may be required on-site to avoid damage to existing conditions. Head locations shall not cause damage to newly planted trees and shrubs. Do not compromise coverage of irrigation design to reduce total number of heads. Locate to avoid damage by vandalism or maintenance activities.

C. 3. VALVES: Size valves for uniform flow and pressure in the system and to avoid water hammering and improper head operation.

D. 4. WATERING CYCLE: The layout of sprinkler head zones and use of controllers shall provide for a complete watering cycle of the total system in a 24 hour period.

E. 5. WINTERIZATION: System shall be a blow-out type for winterizing.

3.03 TRENCHING AND BACKFILLING

A. 1. GENERAL: Perform all excavations as required for the installation including shoring of earth banks to prevent cave-ins. Restore all surfaces, existing underground installations, etc. damaged or cut as a result of the excavations to their original condition and in a manner approved by the Architect. Excavate straight and true with bottom uniformly sloped to low points when necessary. Trenches shall be no wider than is necessary to make joints. Rocks, roots and other obstructions shall be cut out to the width of trench to a depth of 6 inches below trench bottom and backfilled with sand or tamped material cut evenly with about one and one-half inches in diameter and larger before backfilling. Maintain all warning signs, shoring, barricades, flares, and red lanterns as required by the Safety Orders of the Division of Industrial Safety and any local ordinances. Note: Pipe installation by vibratory plow is an accepted installation method.

B. 2. MINIMUM COVER: Provide the following minimum cover on or top of installed piping.

1. PAVED AREAS: Minimum of 18 inches for piping and sleeves. In areas below paving for drives and parking lots minimum cover of 24" is required.
2. UNPAVED AREAS: 14-16 inches for main pressure pipe and 10-12 inches for lateral (circuits) pipe, or as required to accommodate valves and other equipment whichever is greater.
3. BACKFILL: Backfill with clean material from excavation. Remove organic material as well as rocks and debris larger than one inch diameter. Place acceptable backfill material in 6 inch lifts, compacting to original compaction. Perform backfilling when pipe is cool to avoid excessive contraction.

3.04 INSTALLATION

A. 1. PIPING: Lay pipe on solid subbase, uniformly sloped without humps or depressions.

1. INSTALL PVC PIPE in dry weather in strict accordance with manufacturer's instructions.
2. PIPE FITTING AND ASSEMBLY: All pipe lines shall be installed as designed and of the materials herein specified. All polyethylene pipe shall be installed with an allowance of one annular space per foot for contraction. All pipe lines shall be flushed out thoroughly to remove debris.

B. 2. CONTROL WIRE: Install control wire with the Main Line in common trenches whenever possible. Encase in a separate pipe under hard surfaces. Lay wiring to the side of the Main Line and provide looped slack at control valve location.

C. 3. CONTROLLER: Verify the location of the controller(s) with the Architect prior to installation. Install in accordance with applicable Manufacturer's specifications, including provisions for grounding and lightning protection. Valve numbering, shown on the plan shall coincide with the station sequencing on the controller.

D. 4. SPRINKLER HEADS: Flush circuit lines with full head of water, and install heads after hydrostatic test is completed.
1. SPRINKLER HEADS: Spray heads shall be installed on flexible risers flush and level with surrounding pavements, turf or mulches. In the case of heads occurring in newly seeded and sodded areas, the head shall be placed one inch maximum above finished grade.

3.05 TESTING

A. 1. TEST: After new sprinkler piping and risers are in place and connected, necessary work has been completed, and prior to the installation of sprinkler heads, control valves shall be individually opened and a full head of water used to flush out the system. After the system is thoroughly flushed, lateral valves shall be turned off. The system shall be pressure tested for 24 hours. No testing shall occur until the last solvent weld joint has had at least 24 hours to set and cure.
1. SPRINKLER HEADS shall be installed and tested for operation in accordance with design requirements under normal operating pressure. All necessary adjustments to the sprinkler equipment as required shall be made to assure efficient operation.

3.06 SYSTEM OPERATION AND ACCEPTANCE

A. 1. OPERATION/ACCEPTANCE: Operate the completed system for the Architect and the Owner's inspection for provisional acceptance at which time each sprinkler head shall be visually checked for coverage, adjustment, installation and performance. Valves shall be inspected for adjustment, installation and proper automatic or manual control as built "working prints" will be checked for accuracy; clean up of the site will be checked; and general items such as controller(s) will be inspected for proper installation and operation. All loose equipment, including controller keys, and related equipment as required or as necessary for the Owner's operation of the system will be turned over after completion of the maintenance period, prior to final acceptance.

B. 2. INSTRUCTION: Instruct Owner's personnel or designated representative in complete operation and maintenance of the irrigation system including but not limited to the controller operation, maintenance of the systems filters and adjustment of heads.

C. 3. MAINTENANCE: After provisional acceptance of the completed installation, Contractor for work under this section shall be made responsible for systems maintenance for 90 days of normal operation.

D. 4. WINTERIZATION: Contractor shall be responsible for winterizing the system the 1st winter season following installation.

E. 5. FINAL ACCEPTANCE: Prior to final acceptance, the Irrigation Contractor shall perform all work necessary for the installation to meet requirements of the specifications noted at the time of provisional acceptance. Within one week following final acceptance, the Architect shall give written approval of final acceptance of the project.

3.07 GUARANTEE

A. 1. WRITTEN GUARANTEE: Materials and equipment shall be warranted in writing against defect in materials and workmanship by the respective manufacturers. These written warranties shall be assembled and given to the Owner at the time of final acceptance. All installation work shall be guaranteed for one year after final acceptance. No claims under warranty shall be considered for materials damaged or destroyed by vandals or damages caused by unauthorized operation of the system.

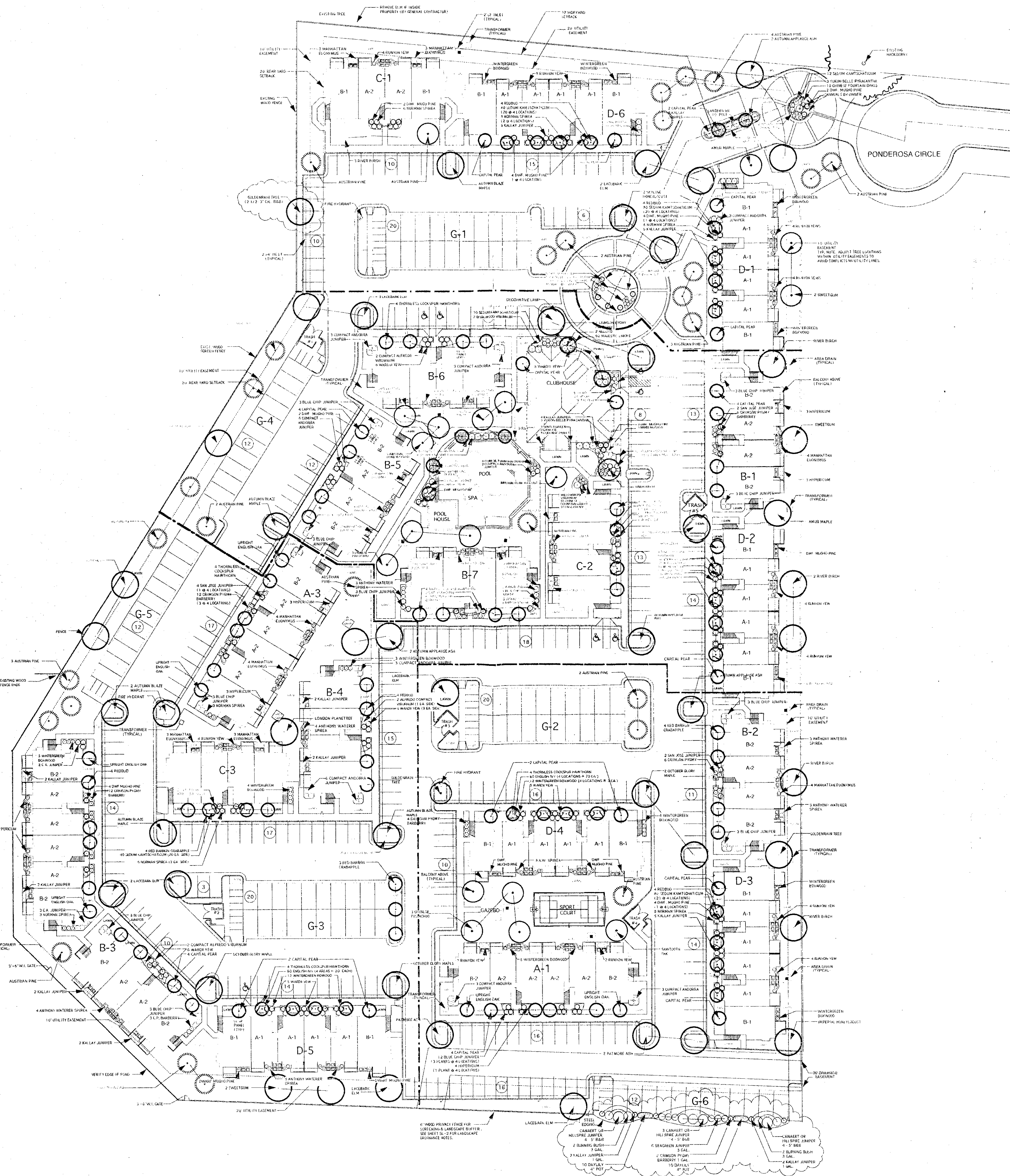
DP-152
Parcel 3
LANDSCAPE PLAN
APPROVED 9/5/98 BY JRF

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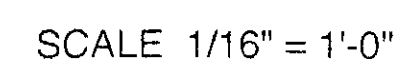
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SITE LANDSCAPE PLANTING PLAN

SCALE 1" = 40'-0"





LOTS 1 AND 2 HUNTINGTON PLACE COMMERCIAL, AN ADDITION TO
WICHITA, SEDGWICK COUNTY, KANSAS, TOGETHER WITH LOT 1, HUNTINGTON
PLACE 5TH ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS.

PROPERTIES ADJACENT TO WEST AND SOUTH PROPERTY LINES ARE ZONED SINGLE FAMILY.

THE C.U.P. FOR THIS PROPERTY WAS GRANTED A WAIVER FOR THE REQUIRED 15' LANDSCAPE BUFFER (WICHITA CITY CODE, CHAPTER 10.32, SECTION 3). A 6' SCREEN FENCE WILL BE PROVIDED IN LIEU OF THE 15' LANDSCAPE BUFFER ALONG THE WEST & SOUTH PROPERTY LINES.

A TOTAL OF 143 UNCOVERED PARKING SPACES, EXCLUDING SPACES WHICH ARE HOUSED WITHIN PARKING GARAGES, ARE WITHIN 150' OF ADJACENT SINGLE FAMILY ZONING ALONG THE WEST AND SOUTH PROPERTY LINES. A TOTAL OF 8 SHADE TREES (143/20) ARE REQUIRED.

PLANNED STREET TREES ALONG WEST AND SOUTH PROPERTY LINES EXCEEDS THE 8 REQUIRED SHADE TREES.

PROPERTIES ADJACENT TO NORTH AND EAST PROPERTY LINES ARE ZONED COMMERCIAL. LANDSCAPE SCREENING IS NOT REQUIRED ALONG THESE PROPERTY LINES.

General

1. The landscape contractor shall provide all plants, materials, labor and equipment to complete the installation of trees, planting beds and installation of lawn areas according to these specifications and the planting plans.
2. Rough grading shall be by the general contractor. The Landscape Contractor shall be responsible for finished grading prior to grass installation and planting operations.
3. Prior to landscape work, flag all underground utilities by calling Kansas One-Call (Phone: 1-800-344-7233).
4. Notify the Owner's Representative of variances between the plan and site conditions which affect planting operations.
5. Prior to the start of rough grading, the Landscape Contractor shall spray to kill weeds and grass in planting beds and lawn areas. Use Round-up or similar chemical in as many applications required for complete kill.
6. Fall planting season shall be September 1 through October 31. Spring planting season shall be April 1 through June 30. For grass sodding, fall season shall be September 1 through October 31. For grass seedling fall season shall be September 1 through October 15. Spring season for seedling shall be from March 15 through May 15. For sodding, spring season shall be from April 1 through June 15. The Owner's Representative shall be responsible to the plan and grass installation seasons.
7. Water for installation and maintenance purposes is provided by hose bibs at the building. See Landscape Irrigation System specifications Sheet SL-1 for performance requirements of the site irrigation installation.
8. Where downspouts discharge into planting beds, extend from splash block to end of bed with a 1'-6" strip of approved gravel, 3" deep over weed barrier fabric.
9. Verify locations and depths of underground drain pipes to area drains. See Sheet SG1.1 of the architectural plans.
10. Locate small trees at front of buildings in center of brick or sidewalk panels.
11. Adjust locations of trees located in utility easements to avoid conflict with utility lines.
12. The landscape contractor shall be responsible to coordinate landscape work with work of the irrigation contractor and other contractors affected by landscape work.

Materials shall be approved by the Owner's Representative before start of work. Materials and grass may be rejected at any time during the installation.

Topsoil shall be provided by the landscape contractor as required for finished grading. This is intended only for low areas of the rough grade or for planting beds and not the entire site.

Plant Materials shall meet current American National Standards Institute standards and exhibit a vigorous and healthy condition.

Mulch to be premium grade cypress or recycled hardwood mulch. Bed areas to be 2 1/2" – 3" deep. Prior to the mulch installation, rake smooth the ground surface.

Landscape Edge to be Ryerson Steel Edge (1/8" x 4" x 16") or equal product to form a smooth curved or straight line as shown on the plan. Unless noted otherwise, all bed areas on the plan shall be outlined with landscape edge. The installation of edging and planting work shall not block the natural drainage of water. Stake as recommended by manufacturer.

Soil Amendments Use 4 parts soil from excavation to 1 part "Back to Earth" cotton bur compost or horticultural peat moss for planting backfill.

Fertilizer for planting backfill to be Milorganite (6-2-0) or other approved product installed per manufacturer's instructions.

Pre-emergent weed control such as dacthal, treflan or approved similar product shall be installed per manufacturer's instruction in all beds except tree wells. Do not apply in tree wells of individual trees in grass areas.

Tree Wrap shall be 4" Forces wrap or other approved product (i.e. DeWitt Tree Wrap). Verify use for individual tree types with Owner's Representative. Securely wrap from ground level to second level of branches on the trunk.

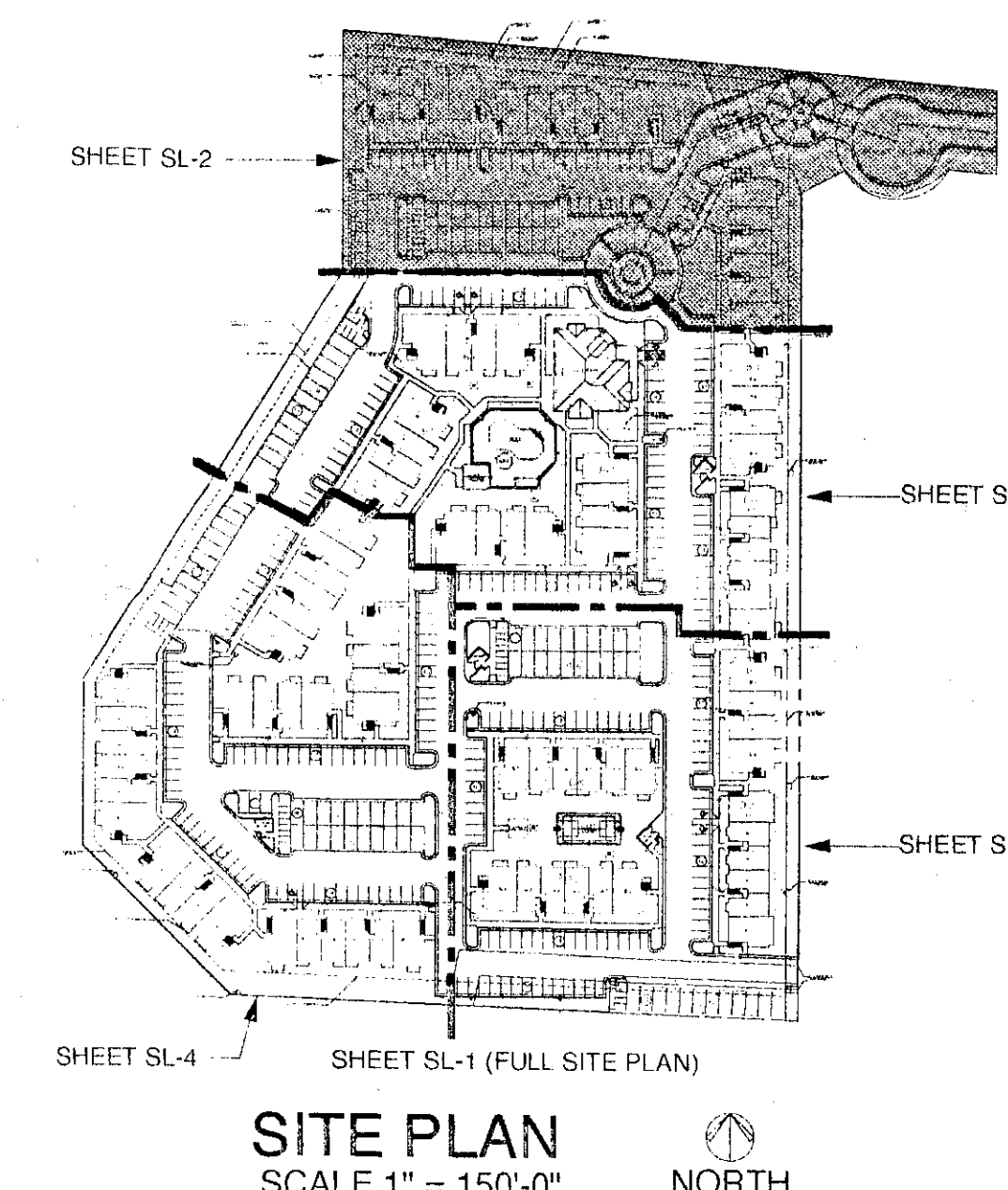
Gravel at splash block discharge to be 3/4" - 2" aggregate size having a brown color.

Weed Barrier Fabric to be DeWitt brand (390 loom) or approved equal. Use below gravel at downspouts only.

Note: See tree details (Sheet SL-3) for staking and planting methods of trees.

1. Grass seed to be an approved fine-bladed fescue blend.
2. Use of sod, if any, to be determined following bid submittals.
3. Install grass in a method approved by the Owner's Representative in accordance with local practices.
4. Notify Owner's Representative of the schedule for grass installation to avoid conflicts with other contractors and interference with watering schedule necessary for newly installed grass.
5. Unless noted otherwise all open and disturbed areas on site receive grass.

1. Prior to acceptance, the planting and grass areas shall be maintained, watered and kept clean and weed free by the Landscape Contractor.
2. When landscape work is completed, the Landscape Contractor and Owner's Representative shall meet to review the installation. If the installation is in accordance with the plans and specifications, the Owner's Representative shall accept the work. If not, the Owner's Representative may require additional work before acceptance. The Landscape Contractor shall provide maintenance recommendations to the Owner.
3. Guarantee for spring planted plants shall be through August 1. Guarantee for fall planted plants shall be through May 15.
4. At the end of the guarantee period the Owner's Representative and Landscape Contractor shall meet to review for replacements. The plants that are dead or not in a vigorous, thriving condition shall be replaced at the originally specified in the following planting season. There shall be no additional cost to the Owner for replacements except due to vandalism. Grass areas not acceptable shall be reseeded or resodded immediately in the same planting season or if weather conditions require, the following season.



SITE PLAN
SCALE 1" = 150'-0"

NORTH

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SL-2

GENERAL CONTRACTOR
KEY CONSTRUCTION
741 W 2ND STREET
WICHITA, KANSAS 67203

SHEET NUMBER

SCALE 1/16" = 1'-0'

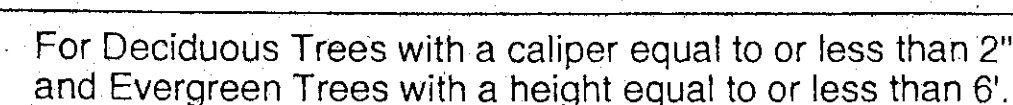


NORTH

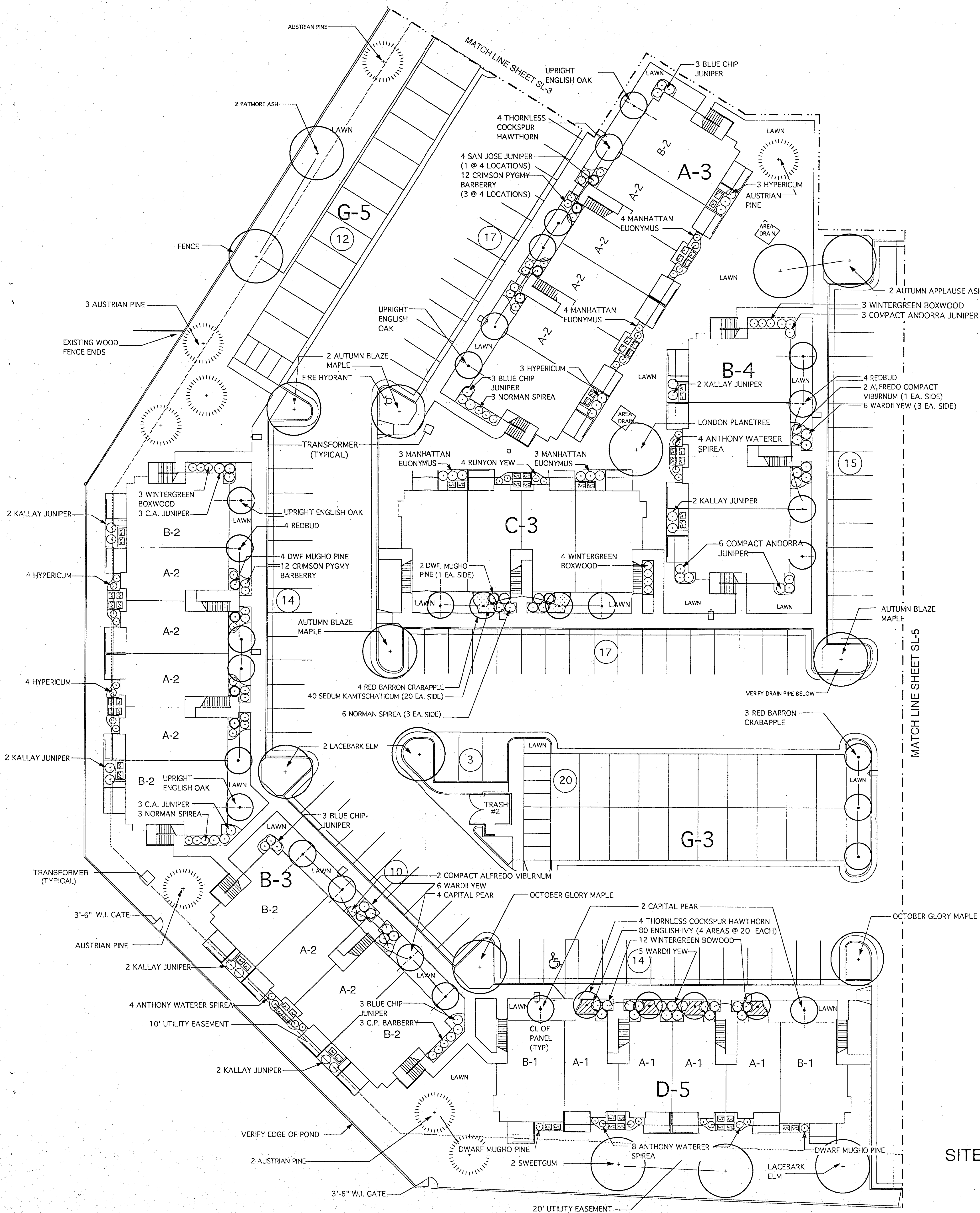
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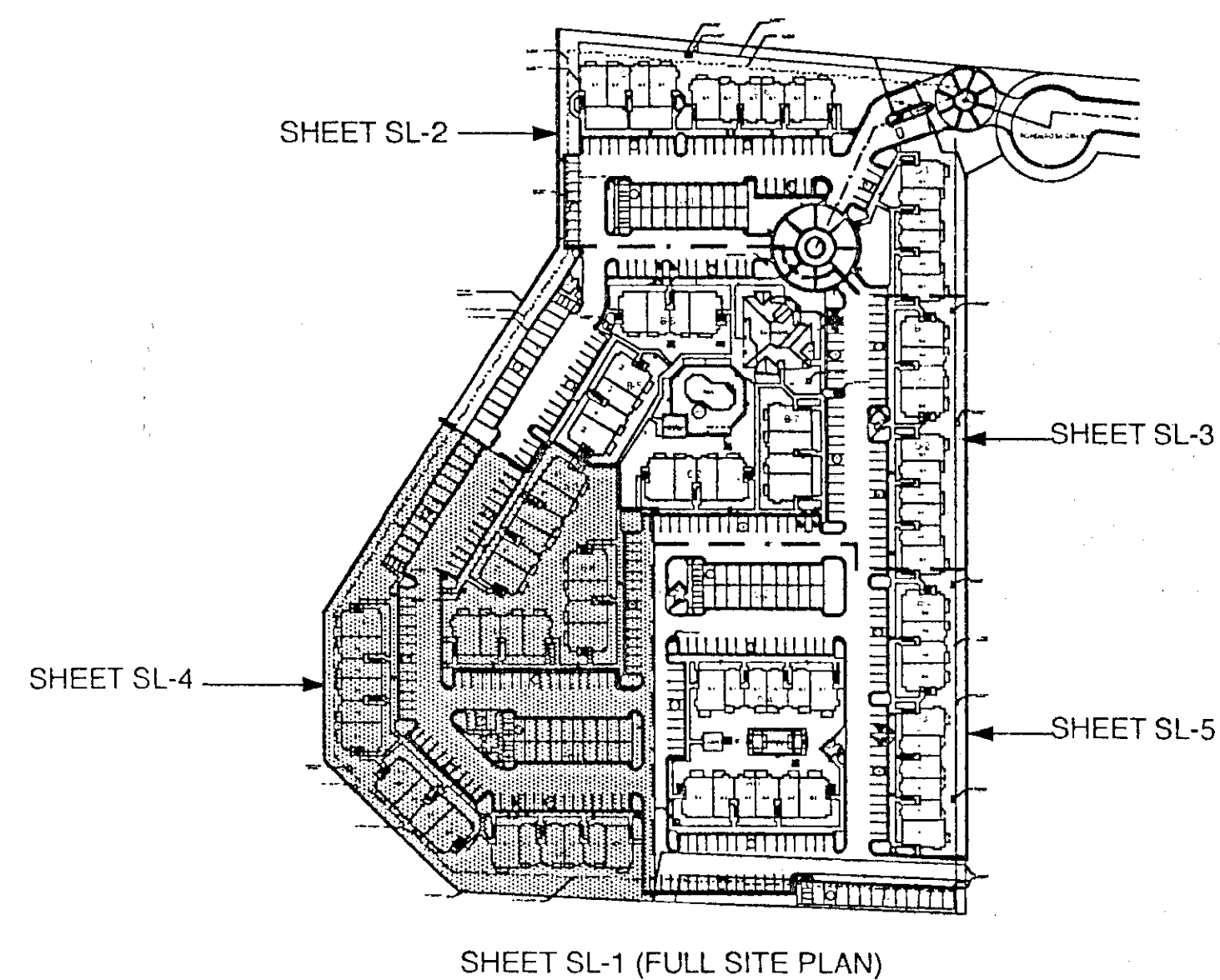
- Friable soil backfill from excavation.
Tamp to prevent settlement.
Soak backfill after planting.



Quant.	Common Name	Botanical Name	Size	Spec.
Trees				
2	Amur Maple	Acer amurense	1 1/2" - 1 3/4" Cal	B&B
4	October Glory Maple	Acer rubrum 'October Glory'	1 3/4" - 2" Cal	B&B
6	Autumn Blaze Maple	Acer x freemanii 'Autumn Blaze'	1 3/4" - 2" Cal	B&B
12	River Birch (3 stem clump)	Betula nigra	10'-12' height	B&B
22	Redbud	Cercis canadensis	1 3/4" - 2" Cal	B&B
24	Thornless Cockspur Hawthorn	Crataegus crusgalli var. inermis	1 3/4" - 2" Cal	B&B
5	Autumn Applause Ash	Fraxinus americana 'Autumn Applause'	1 3/4" - 2" Cal	B&B
2	Autumn Applause Ash	Fraxinus americana 'Autumn Applause'	2" - 2 1/2" Cal	B&B, @ Entry Gate
3	Patmore Green Ash	Fraxinus pennsylvanica 'Patmore'	1 3/4" - 2" Cal	B&B
3	Patmore Green Ash	Fraxinus pennsylvanica 'Patmore'	2" Cal	B&B, @ West Side for Land. Ord.
5	Imperial Honeylocust	Gleditsia triacanthos var. inermis 'Imperial'	1 3/4" - 2" Cal	B&B
7	Skyline Honeylocust	Gleditsia triacanthos var. inermis 'Skyline'	2" - 2 1/2" Cal	B&B
2	Goldenrain Tree	Koelreuteria paniculata	1 3/4" - 2" Cal	B&B
3	Sweetgum	Liquidambar styraciflua	1 3/4" - 2" Cal	B&B
2	Sweetgum	Liquidambar styraciflua	2" Cal	B&B, @ South Side for Land. Ord.
11	Red Baron Crabapple	Malus sp. 'Red Baron'	1 3/4" - 2" Cal	B&B
18	Austrian Pine	Pinus nigra	5 1/2" - 6" height	B&B
11	Austrian Pine	Pinus nigra	7'-8' height	B&B, @ Entry Gate & Round about Drive
6	Chinese Pistachio	Pistacia chinensis	1 3/4" - 2" Cal	B&B
11	Londonplane Tree	Platanus occidentalis 'Bloodgood'	1 3/4" - 2" Cal	B&B
31	Capital Pear	Pyrus calleryana 'Capital'	7 Gallon	B&B
9	Capital Pear	Pyrus calleryana 'Capital'	1 3/4" - 2" Cal	B&B, @ Entry Gate, Clubhouse, & Pool
6	Upright English Oak	Quercus robur 'Fastigiata'	1 3/4" - 2" Cal	B&B
1	Sawtooth Oak	Quercus acutissima	1 3/4" - 2" Cal	B&B
9	Lacebark Elm	Ulmus parvifolia	1 3/4" - 2" Cal	B&B
1	Lacebark Elm	Ulmus parvifolia	2" Cal	B&B, @ South Side for Land. Ord.
205	Total Trees			
Shrubs				
64	Crimson Pygmy Barberry	Berberis thunbergii 'Crimson Pygmy'	2 gallon	Container
55	Wintergreen Boxwood	Buxus microphylla var. koraeana cv.	15"-18" height / 2 gal.	Container
46	Manhattan Euonymus	Euonymus katuschovicus cv.	2 gallon	Container
30	Sunburst Hypericum	Hypericum fronicosum cv.	2 gallon	Container
6	San Jose Juniper	Juniperus chinensis 'San Jose'	2 gallon	Container
51	Kallay Compact Pfitzer Juniper	Juniperus chinensis cv.	2 gallon	Container
48	Blue Chip Juniper	Juniperus horizontalis 'Blue Chip'	2 gallon	Container
43	Compact Andorra Juniper	Juniperus horizontalis 'Compact Andorra'	2 gallon	Container
3	Lodense Privet	Ligustrum vulpae cv.	1 gallon	Container
38	Dwarf Mugo Pine	Pinus mugo var. mugo	12"-15" / 2 or 3 gallon	Container
7	Dwarf Mugo Pine	Pinus mugo var. mugo	18"-24"	B&B or Cont., @ Entry & Rnd. about Isles
11	Yukon Belle Pyracantha	Pyracantha angustifolia cv.	5 gallon	Container
7	Snowmound Spirea	Spiraea japonica 'Snowmound'	2 gallon	Container
66	Norman Spirea	Spiraea japonica 'Norman'	2 gallon	Container
41	Anthony Waterer Spirea	Spiraea x bumalda cv.	2 gallon	Container
48	Runyon Yew	Taxus x media 'Runyon'	12"-15" height / 2 gal.	Container
44	Wardii Yew	Taxus x media 'Wardii'	12"-15" height / 2 gal.	Container
8	Alfred Compact Cranberrybush Vib.	Viburnum opulus 'Compactum'	5 gallon	Container
1	Willowwood Viburnum	Viburnum cv.	5 gallon	Container
3	Burkwood Viburnum	Viburnum x burkwoodii	2 gallon	Container
622	Total Shrubs			
Groundcovers, Perennials, and Ornamental Grasses				
219	English Ivy	Hedera helix	3" pot	15" o.c., triangular spacing
62	Majestic Liriope	Liriope muscari 'Majestic'	1 gallon	12" o.c.
5	Maidenrag	Miscanthus sinensis 'Gracillimus'	1 gallon	Container
73	Chinese Fountain Grass	Pennisetum alopecuroides	1 gallon	Container
450	Sedum kamtschaticum	Sedum kamtschaticum	4" pot	15" o.c., triangular spacing
809	Total Groundcovers, Perennials, and Ornamental Grasses			

NOTE: IN CASE OF A DISCREPANCY BETWEEN THE PLANT SCHEDULE AND THE PLANTING PLAN, THE PLANTING PLAN SHALL GOVERN.

Summary of Quantities (w/out Contingency)
 Edging - About 1,795 L.F.
 Shrub Bed Areas - About 11,230 S.F.
 Lawn Areas - About 92,870 S.F.



SITE PLAN
SCALE 1" = 150'-0"



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GENERAL CONTRACTOR
KEY CONSTRUCTION
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PROJECT NUMBER
96138 (JKA) JRF 96095
SHEET TITLE
SITE LANDSCAPE
PLANTING PLAN

SHEET NUMBER

SL-4

OF SHEETS

DATE DRAWN
12-23-96
REVISIONS

PRINTS ISSUED
12-30-96
8-27-97

JEFF KREHBIEL
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316-262-2233 FAX 316-262-2600

DATE

HUNTINGTON PARK APARTMENTS
13TH & MAIZE ROAD
WICHITA, KANSAS

SITE LANDSCAPE PLANTING PLAN

SCALE 1/16" = 1'-0"



DATE DRAWN
12-23-96
REVISIONS
08-25-98

PRINTS ISSUED
12-30-96

JEFF KREHBIEL
ASSOCIATES
ARCHITECTS

DATE

HUNTINGTON PARK APARTMENTS
13TH & MAIZE ROAD
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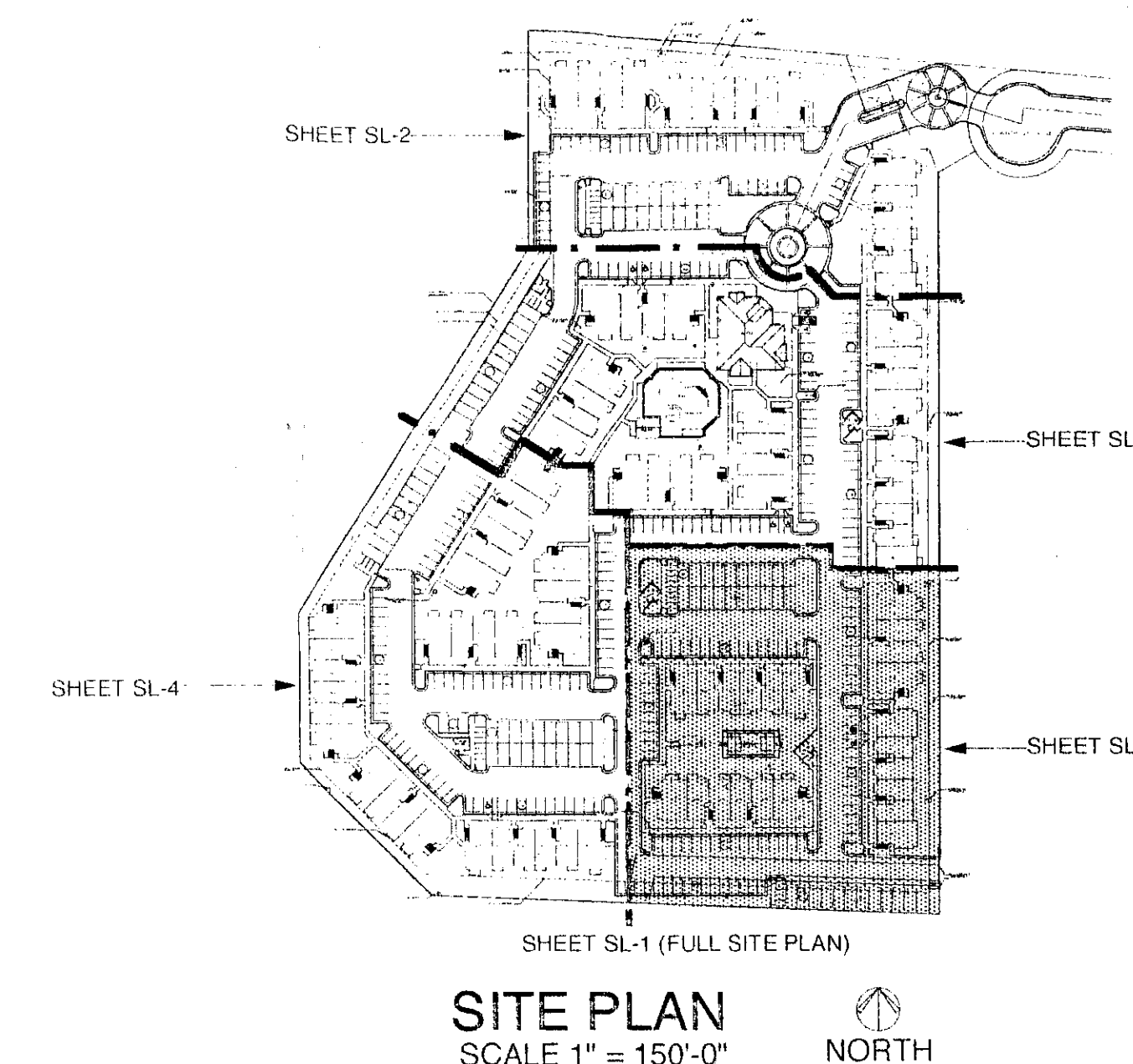
PROJECT NUMBER
96138 (JRF) JRF 96095

SHEET TITLE
SITE LANDSCAPE
PLANTING PLAN

SHEET NUMBER

SL-5

OF SHEETS

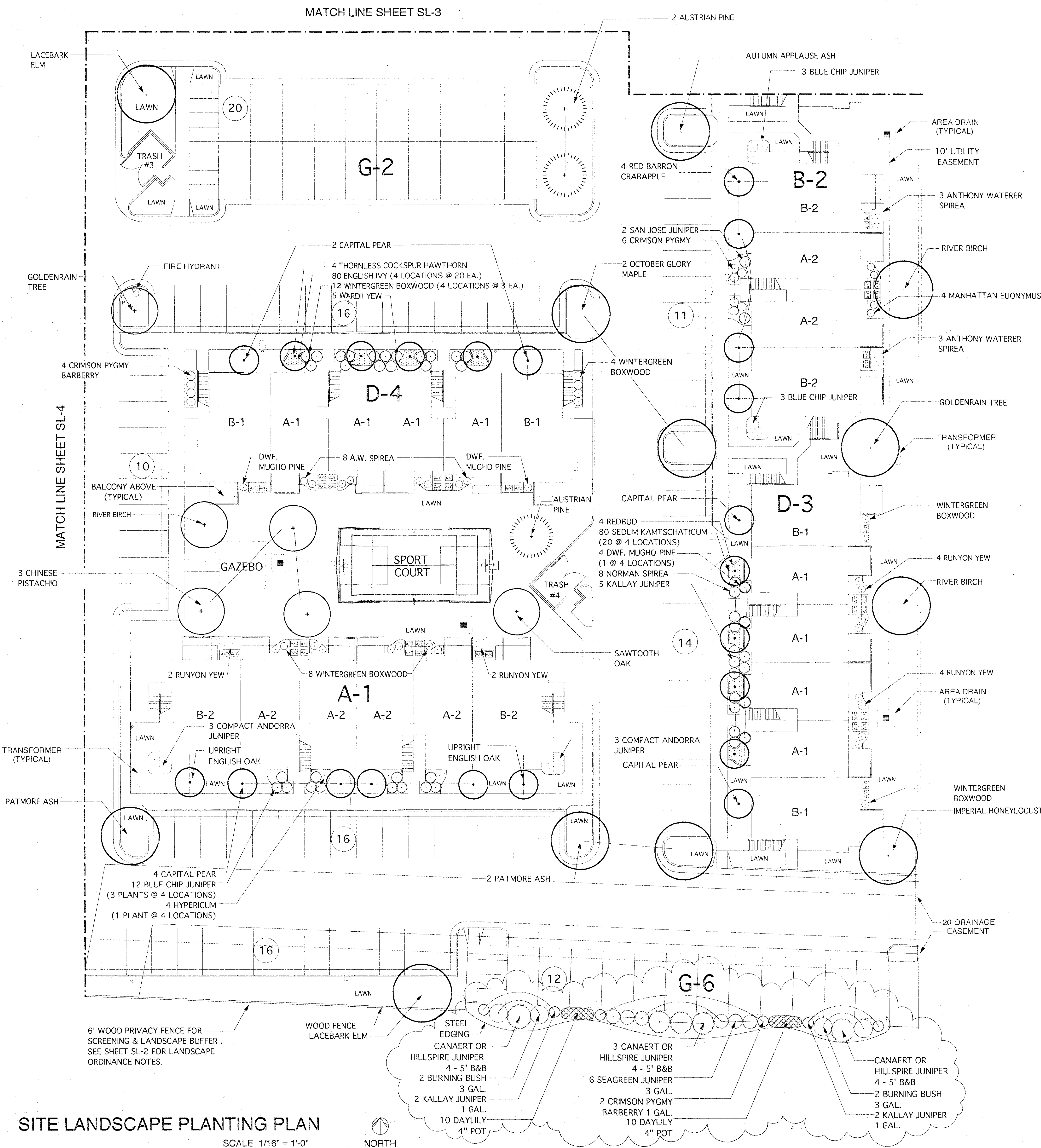


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SITE LANDSCAPE PLANTING PLAN

SCALE 1/16" = 1'-0"



NOTE: INSTALL PLANT MATERIAL
PER ORIGINAL LANDSCAPE
SPECIFICATIONS