SECTION 32 80 00

IRRIGATION SYSTEM

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

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\*\* NOTE TO SPECIFIER \*\* This is a generic ARCAT specification, provided in the style and format of all ARCAT manufacturer's specifications. The Notes to Specifier are intended to provide guidance in editing the text. Delete and add text as required for your individual project.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Irrigation System.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 31 20 00 - Earth Moving.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Storage and handling requirements and recommendations.
        3. Installation methods.
     3. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction.
     4. Warranty: Submit manufacturers standard warranty. Include labor and materials to repair or replace defective materials.
        1. Warranty Period: 5 years.
     5. Operation and Maintenance Data: Submit manufacturers operation and maintenance data, including operating instructions, list of spare parts and maintenance schedule.
  2. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Minimum 5 year experience manufacturing similar products.
     2. Installer Qualifications: Minimum 2 year experience installing similar products.
     3. Water Coverage for Turf Areas: 100 percent.
     4. Water Coverage for Planting Areas: 100 percent.
     5. Testing: Hydrostatic test at 100 psi.
  3. PRE-INSTALLATION MEETINGS
     1. Convene minimum two weeks prior to starting work of this section.
  4. DELIVERY, STORAGE, AND HANDLING
     1. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
     2. Handling: Handle materials to avoid damage.
  5. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
  6. SEQUENCING
     1. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1. PRODUCTS
   1. MANUFACTURERS

\*\* NOTE TO SPECIFIER \*\* Insert acceptable manufacturers. To research manufacturers, search www.arcat.com for the title of this section.

* + 1. Acceptable Manufacturers: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
  1. MATERIALS
     1. Irrigation System:

\*\* NOTE TO SPECIFIER \*\* Delete type not required.

* + - 1. Piping: Copper.
      2. Piping: PVC plastic.
      3. Valves: Cast bronze.
      4. Backflow Preventers: Cast bronze.
      5. Sprinkler Heads: Suitable for service.

\*\* NOTE TO SPECIFIER \*\* Delete location not required.

* + - 1. Automatic Control System: Interior location.
      2. Automatic Control System: Exterior location.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Protect existing landscaping from damage. Repair and repave cut paving to match paving in original condition.
      2. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with work of other sections.
      3. Restore damaged components and test for proper operation. Clean out system and protect work from damage.
      4. Instruct Owner's personnel in proper operation and maintenance procedures.
   4. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION