

IRRIGATION PLAN CHECKLIST

PROVIDE COMPLETED CHECKLIST SIGNED BY PREPARER WITH APPLICATION

Electronic files in pdf format shall be submitted to the Town for review. These files should accompany Planning submittals. Each set should be directly created in Adobe or similar (no scanned versions). Plans submitted to the Town for review shall include the following:

- Scale, North arrow, legend, irrigator's seal and signature present on plan and a minimum scale of 1:10 – multiple sheets may be required
- Property – dimensions (metes and bounds of the boundary of the site) and lot dimensions when applicable
- Adjacent property – subdivision names, land use, zoning, and future land use
- Existing or proposed buildings on the property, access points on and adjacent to the property (list number of units for multi-family requests)
- Location and width of existing and proposed streets and sidewalks
- Existing and proposed easements (utility, drainage, visibility and maintenance, etc.)
- All existing and proposed utilities – fire hydrants, water, and sewer mains and lines with pipe sizes, valves, and manholes within and immediately adjacent to the tract
- Permanent irrigation to be installed in parkways
- All irrigated and non-irrigated areas
- Layout and description of irrigation, sprinkler or water systems, including placement of water sources, irrigation connections, backflow prevention device, water emission devices, zone valves, isolation valves, pressure regulating components, main line and lateral pipes, y-type strainer, meter locations and size, with check valve vaults indicated (as a separate sheet to include all easements and utilities)
- Location of an automatic controller and sensors that prevent the operation of irrigation during rainfall or in freezing weather.
- Irrigation system has separate zones based on plant material type, microclimate, topography, soil and hydrological requirements
- All non-turf grass areas are designed with drip irrigation and/or pressure compensating tubing
- Plans must indicate the designed distribution uniformity for the system. Irrigation heads shall be installed to provide maximum distribution uniformity
- Standard language and/or notations, as follows:
 - 1) Mainlines, valves, or control wires shall not be located in the Town of Prosper right-of-way.
 - 2) All systems shall have rain, wind, and freeze sensors. The sensors shall not be wired in-line. They shall be capable of working independently of each other.
 - 3) Locate valves a minimum of three (3) feet away from any storm sewer, water, and wastewater lines and five (5) feet from Town fire hydrants and water valves.
 - 4) The bore depth under streets, drive aisles, and fire lanes shall allow two (2) feet (minimum) from the bottom of paving to the top of the sleeve or greater if required to be clear of other utilities.

- 5) Any time heads are placed in such manner as to be parallel and near a public water and/or wastewater line, these heads shall be fed from stubbed laterals or bullheads. A minimum of five (5) feet of separation is required between irrigation main lines and laterals that run parallel to public water and sanitary sewer lines.
 - 6) Irrigation systems shall be designed to minimize runoff water from paved or landscaped areas.
 - 7) All irrigation heads in the Town of Prosper right-of-way shall utilize a swing joint connection.
 - 8) No valves, backflow preventer assemblies, quick couplers, etc. shall be located closer than ten (10) feet from the curb at street or drive intersections.
 - 9) Before excavation or boring, call Dig Tess at 1-800-344-8377.
 - 10) Plan is designed according to all standards as defined by Texas Commission on Environmental Quality (TCEQ) 30 TAC 344-Landscape Irrigation.
 - 11) Irrigation plans require separate review and permit through Building Inspections prior to work proceeding.
- Additional information as needed for clarity.

Preparer's Signature _____