

Johnson Sprinkler Co.

1520 Picklin Ave.
Corsicana, TX 75110

Phone (903) 874-5526

November 16, 2000

Ms. Sandra Jay
North Shore Estates
Richland Chambers Res.

Ms. Jay,

Johnson Sprinkler Co. proposes to install a complete irrigation system for your lake house. The sprinkler system will provide complete coverage to all areas of your property, and the electronic controller will offer you the option of automatic or manual control. You will also have the ability to water different parts of your landscape on different schedules.

YOUR SYSTEM

The irrigation system will be installed basically as the design shows. We will use pop-up rotary heads throughout the larger turf areas in the lawn. The smaller lawn areas will need the standard pop-up spray heads, and there will be hi-pop shrub sprays and copper risers in the flower beds. The system will utilize at least seven electric control valves separating each circuit. All valves will be covered by 6" round access boxes. The electronic controller will be located in the garage close to an electrical wall outlet. The Esp 8LXi is a high end residential / light commercial controller that offers every modern irrigation option available. Your system will be powered by the existing 1.5 Hp. pump.

We will run the 24 vac. to the pump as means to engage the relay switch.

SPRINKLER SYSTEM MATERIALS

<u>Type</u>	<u>Model</u>	<u>Quantity</u>
Pop-up Rotary	Rain Bird R-50, 3 GPM	53
Pop-up Spray	Rain Bird 1804	2
Pop-up Spray	Rain Bird 1812	6
Shrub Riser	Copper W/ Nozzle	14
Valves	Rain Bird DV 100 SS	8
Controller	Rain Bird ESP 8LXi	1

We use all Rain Bird material for our systems. Quality components provide years of trouble-free service, and Rain Bird has proven, year in and year out, to produce the best irrigation materials in the industry. The R-50 Rotor is especially suited for dirty water applications since its rotating mechanism is a ball drive instead of gears that clog easily from the lake water.

Another part of the system is the control wiring from the controller to the valves. We use 16 gauge solid copper wiring. This wire is far superior to the multi-strand wire that other contractors may use, and some types of this cable is illegal for irrigation use in Texas. At the valve, we connect the wires with a direct-burial UL approved wire connector.

CONSTRUCTION

After flagging your yard for head and valve placement, we will dig the trenches 8 to 12 inches deep. Upon completion of the piping process, trenches will be covered and either **packed with a tamping machine or water jetted to assure minimal trench sinkage** after the system is completed. We take extreme care to minimize any root involvement from your trees and plants. We will remove and dispose of any rocks and debris the may turn up during trenching. We will also locate and avoid any utilities and septic lines so that no services will be disrupted during construction. The complete installation process should take about 3 days.

NOTE

Piping and head placement are diagrammatic in nature. Actual site conditions will determine precise locations of components. Heads will be placed "head-to-head" on a triangular pattern. That is, their spacing will not exceed the radius of their throw. This ensures complete coverage and is required by laws governing irrigation in Texas.

WARRANTY

Johnson Sprinkler Co. provides a full one year guaranty for the irrigation and drainage system covering all material and workmanship. We carry general liability and Worker's Comp. insurance. **We work on consecutive days so that your project is finished as rapidly as possible.**

PRICE

\$3,975

Sincerely,

Dan Johnson

*Johnson Sprinkler Co. will Repair ANY Damages TO Utilities,
Done During Construction*

I accept this proposal and authorize Johnson Sprinkler Co. to do the above described work. Upon completion, I will pay Johnson Sprinkler Co. \$3,975 (three thousand nine hundred seventy five dollars) in either cash or check.

Signed _____

Date _____

To Existing
Pump

Residence

Controller
In Garage

PROJECT:

Jay Residence
North Shore Estates
Kerens, TX

SHEET DESCRIPTION:

IRRIGATION DESIGN / DETAILS

Johnson Sprinkler Co.
803 N. 37th St.
Corsicana, TX 75110
(903) 874-5526

REVISION

DATE 08-27-00

PROJ. # 20210

DESIGNER DDJ

CHECKED BY

SCALE 1" = 25'

SHEET 1 OF 1