1. **TWO-WIRE DECODER CONTROLLER:**
   Rain Bird ESP-LXD

2. **TWO-WIRE CABLE TO ESP-LXD CONTROLLER**

3. **COMMUNICATION WIRE TO ESP-LXD CONTROLLER**

4. **SOLENOID VALVE OR MASTER VALVE**
   (1 OF 6)

5. **SOLENOID WIRE**
   (1 OF 12)

6. **DB SERIES WIRE CONNECTOR**
   Rain Bird D8W2C25 (1 OF 14)

7. **FIELD DECODER**
   Rain Bird FD-601TURF M13007 DECODER

8. **COMMUNICATION WIRE TO NEXT DEVICE**
   (FIELD DECODER, SENSOR DECODER, OR LSP-1TURF IF MORE THAN 500' BETWEEN DECODERS)

9. **TWO-WIRE CABLE TO NEXT DEVICE**
   (FIELD DECODER, SENSOR DECODER, OR LSP-1TURF IF MORE THAN 500' BETWEEN DECODERS)

10. **GROUNDING ROD:**
    10 AWG OR LESS

**NOTES:**

1. **MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM FIELD DECODER TO SOLENOID IS 450 FEET.**

2. **FD-601TURF COMES WITH BUILT-IN LSP-1TURF SURGE PROTECTOR. REFER TO LSP-1TURF WIRING DIAGRAM FOR GROUNDING INSTRUCTIONS.**

**FD-601TURF DECODER**

**WIRING TO VALVE AND CONTROLLER**

[N1-24-15]