



- 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 DBTWC25 (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 OHMS 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.

D **FD-601TURF DECODER**
 N.T.S. **WIRING TO VALVE AND CONTROLLER**
 11-24-10