



NOTES:

1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM DECODER TO RELAY IS 450 FEET.
2. PLACE 3-FEET OF EXTRA WIRE IN VALVE BOX FOR EASY SERVICING.
3. IN A SITE CONTROL DECODER SYSTEM A PULSE TRANSMITTER (PT322) SHOULD BE INSTALLED BETWEEN THE SENSOR DECODER AND THE FLOW SENSOR. THIS IS NOT NEEDED IN AN ESP-LXD CONTROLLER SYSTEM.
4. GROUNDING SHOULD BE TO 10 OHMS OR LESS.

- ① GREEN/YELLOW WIRE FROM SD-210TURF TO GROUNDING ROD BRASS CLAMP (1 OF 2)
- ② SENSOR DECODER:
RAIN BIRD SD-210TURF M13009 SENSOR DECODER
- ③ RED WIRE FROM SD-210TURF TO FLOW SENSOR
- ④ DB SERIES WIRE CONNECTOR:
RAIN BIRD DBTWC25 (1 OF 6)
- ⑤ 12-INCH VALVE BOX WITH COVER:
RAIN BIRD VB-STD
- ⑥ FINISH GRADE OR TOP OF MULCH
- ⑦ GROUND WIRE FROM SD-210TURF TO DB SERIES WIRE CONNECTOR (1 OF 2)
- ⑧ FLOW SENSOR WIRE (1 OF 2)
- ⑨ FLOW SENSOR
- ⑩ PVC MAINLINE PIPE
- ⑪ BRICK (1 OF 4)
- ⑫ 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- ⑬ BLACK WIRE FROM SD-210TURF TO FLOW SENSOR
- ⑭ BLUE WIRE FROM SD-210TURF (1 OF 2)
- ⑮ TWO-WIRE CABLE TO NEXT DEVICE
(FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR ESP-LXD CONTROLLER)
- ⑯ COMMUNICATION WIRE TO NEXT DEVICE
(FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR, OR ESP-LXD CONTROLLER)
- ⑰ GROUNDING ROD



**SENSOR DECODER AND
FLOW SENSOR**

N.T.S.

11-23-10