

1. Irrigation system design requirements: 20 GPM minimum @ 40 PSI minimum at the point of connection. The Irrigation Contractor shall verify the available GPM and PSI prior to installation of the system. Point of connection shall be to the potable water service line.

2. Do not willfully install the irrigation system as shown on the drawings when it is obvious in the field that conditions exist that might not have been considered in the design process. For example : obstructions, grade differences, water levels, dimensional differences, etc. Refer to the Landscape Plan to avoid conflicts with proposed trees or shrubs.

3. Piping may sometimes be indicated as being located in unlikely areas: i.e., under buildings or pavement, outside of property lines, in lakes or ditches, etc. This is done for graphic clarity only. Whenever possible, piping is to be installed in open, "green" areas.

4. Contractor shall verify all underground utilities prior to commencement of work. The contractor is advised that city underground utilities are present in the work area. Contractor shall secure locates from utilities prior to any excavation. use permits.

5. Contractor shall install pop-up sprinklers 6" from edge of sidewalk, 12" from walls and edge of road or parking area. Install shrub risers 18" from sidewalk, walls and edge of road or parking area.

6. Irrigation system design is diagrammatic to improve clarity. All mainline piping, electric valves and wiring are to be installed in landscape areas and within Right of Way boundaries.

7. If required, the Irrigation Contractor shall provide the necessary "Right of Way"

8. Install bubblers on all large trees and palms.

9. Size all pipe to insure flow velocity is under 5 feet per second.

10. Pipe sizes shall conform to those on the drawings. Substituting with smaller pipe sizes will not be permitted.

11. Mainline shall be installed with a minimum of 24" depth of cover. Lateral lines shall be installed with a minimum of 12" depth of cover.

12. Wherever practical, install valves in mulched beds and/or out of high traffic areas. All valves and wire splices shall be installed in heavy duty plastic valves boxes with covers that read irrigation and be sized as follows:

Remote Control Valves: standard 12" deep rectangle valve box
Drip Zone Control Kits: jumbo 15" deep rectangle valve box
Isolation Gate Valves: standard 12" deep rectangle valve box
Wire Splices: standard 12" deep rectangle valve box

13. Refer to Valve Designation Symbols for valve size, station number and designed flow rate for each remote control valve.

14. All 24 volt control cable to be UL Listed, single strand, type UF 600 Volt control cable. Size and color as follows:

Common Wires - size AWG #14 and WHITE in color.
Hot Wires - size AWG #14 and RED in color.
Spare Wires - size AWG #14 and BLUE in color.

15. All splices to the 24 volt control wiring shall be made with DBY or equal type connectors.

21. The final location of all components shall be approved by the project engineer and/or owner.

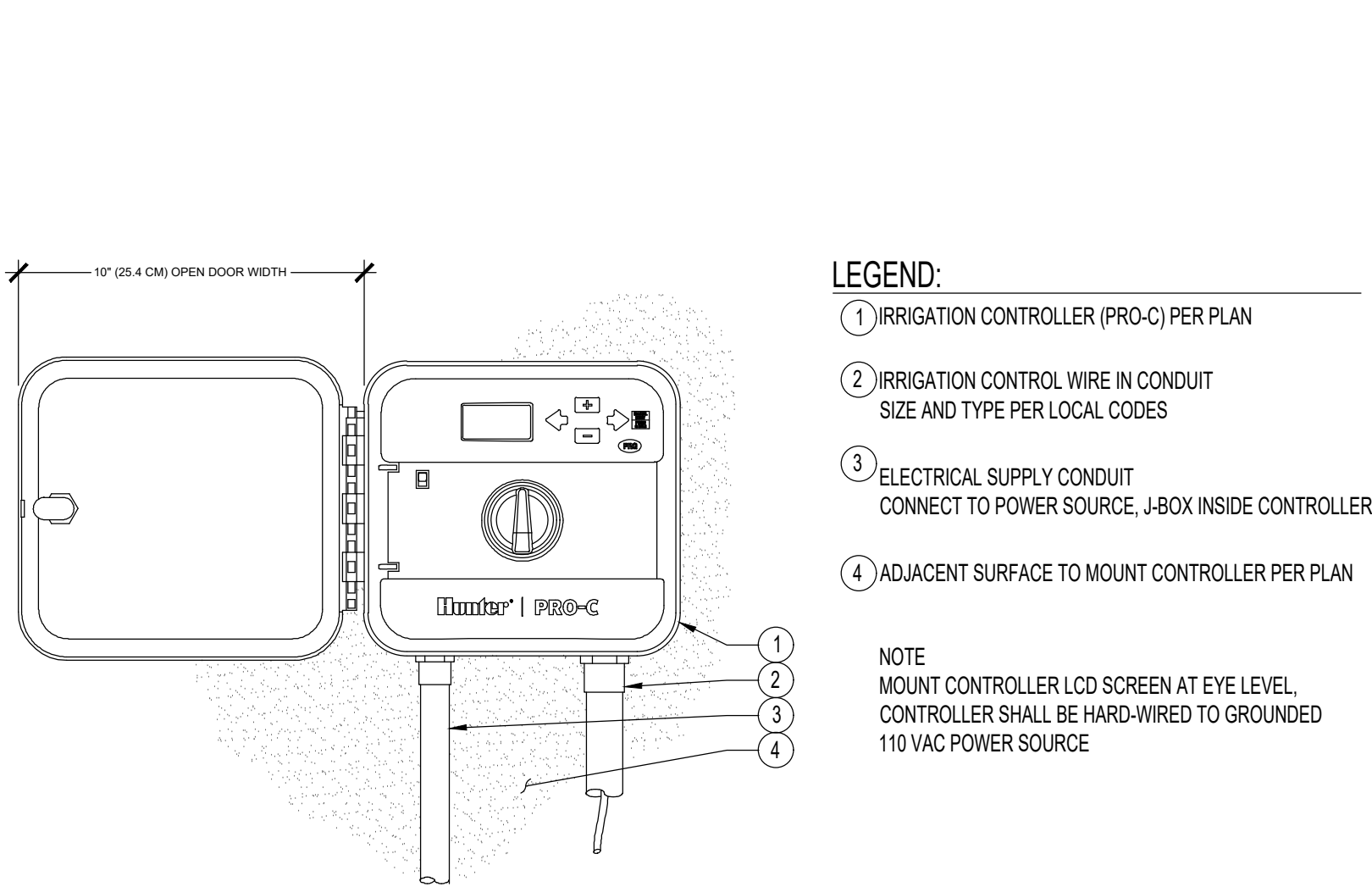
16. Run one (2) spare wires from controller in each direction of the mainline to furthest valves.

17. All pop-up sprinkler heads shall be installed level and flush to grade.

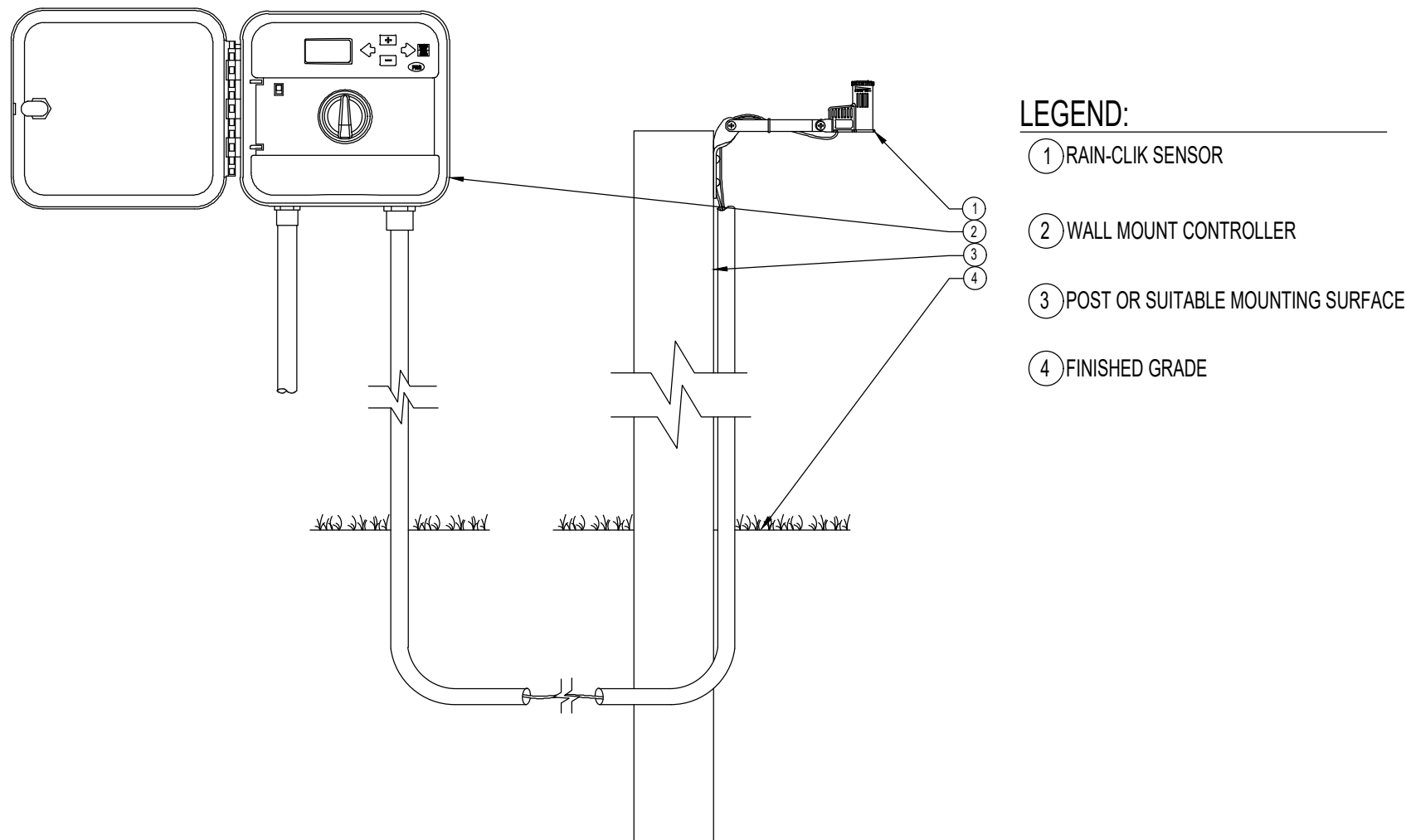
18. Provide and install rain sensor where it will be exposed to unobstructed sun/rainfall and connect to irrigation controller.

19. All sleeves shall be 2 nominal pipe sizes larger than the size of the pipe to be accommodated. All pipe crossings over 5 feet in length shall be installed inside PVC pipe sleeving.

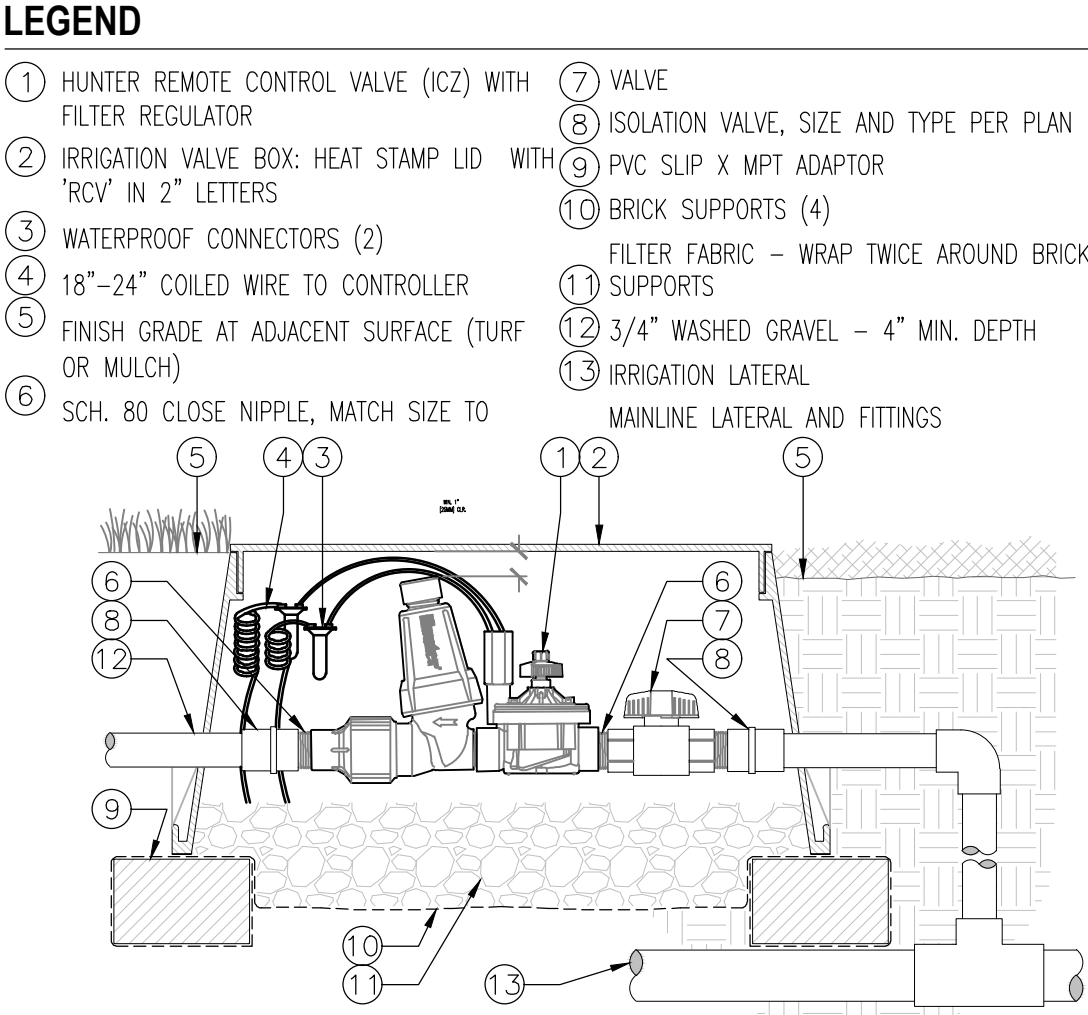
20. Any other equipment required that is not other wise detailed or specified shall be installed as per manufacturer's recommendations and specifications.



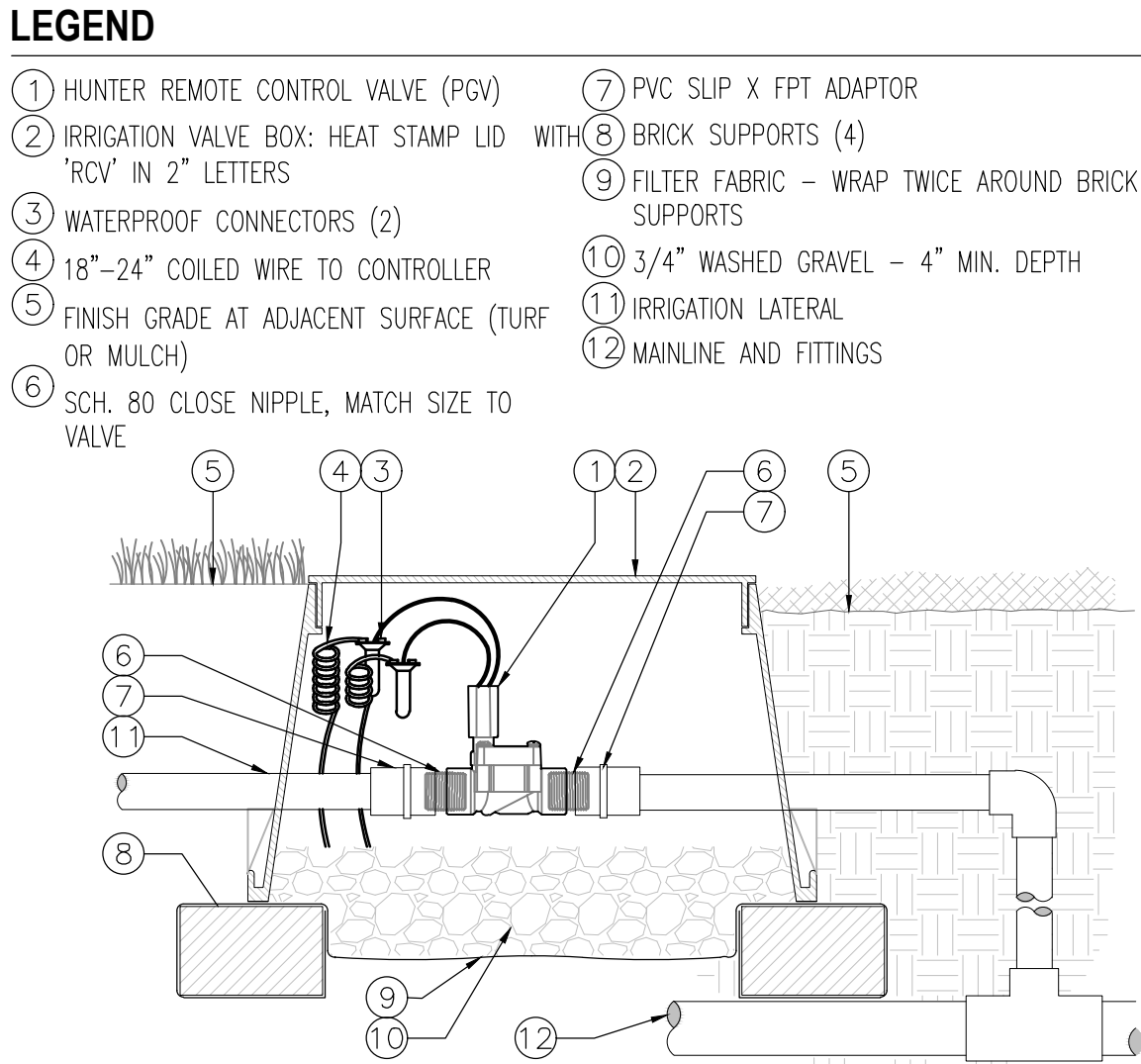
CONTROLLER DETAIL



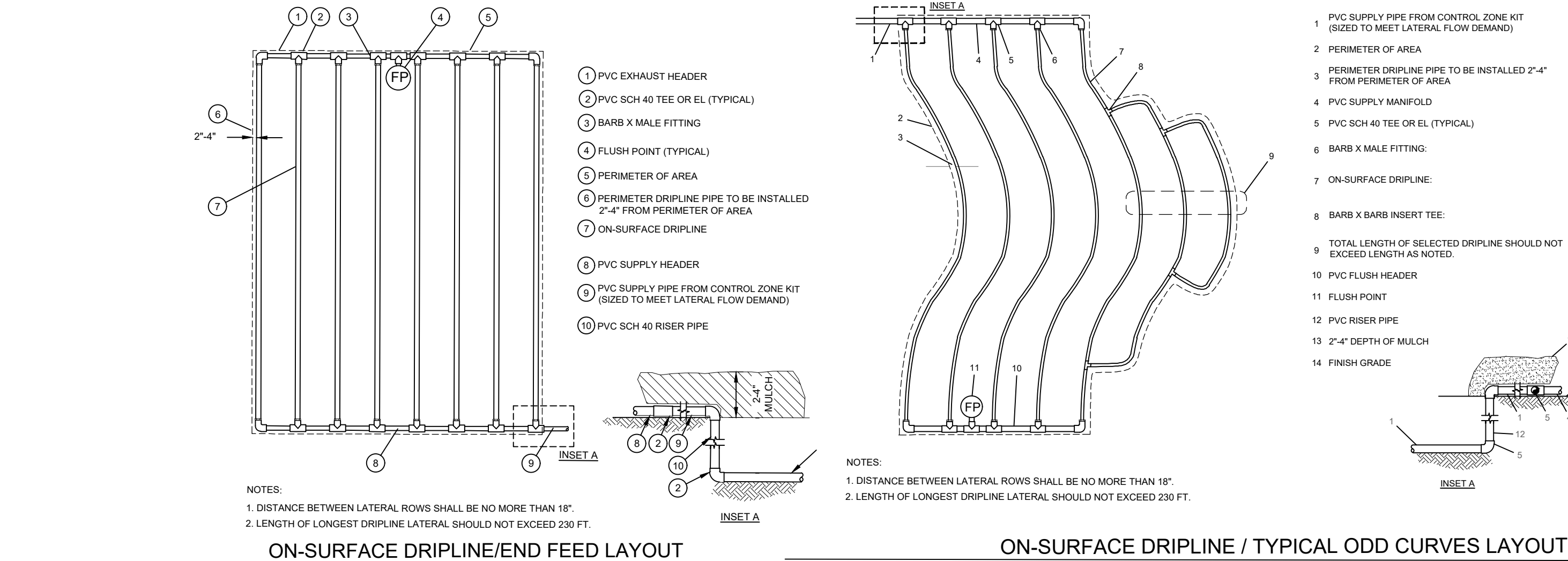
RAIN SENSOR DETAIL



DRIP VALVE DETAIL

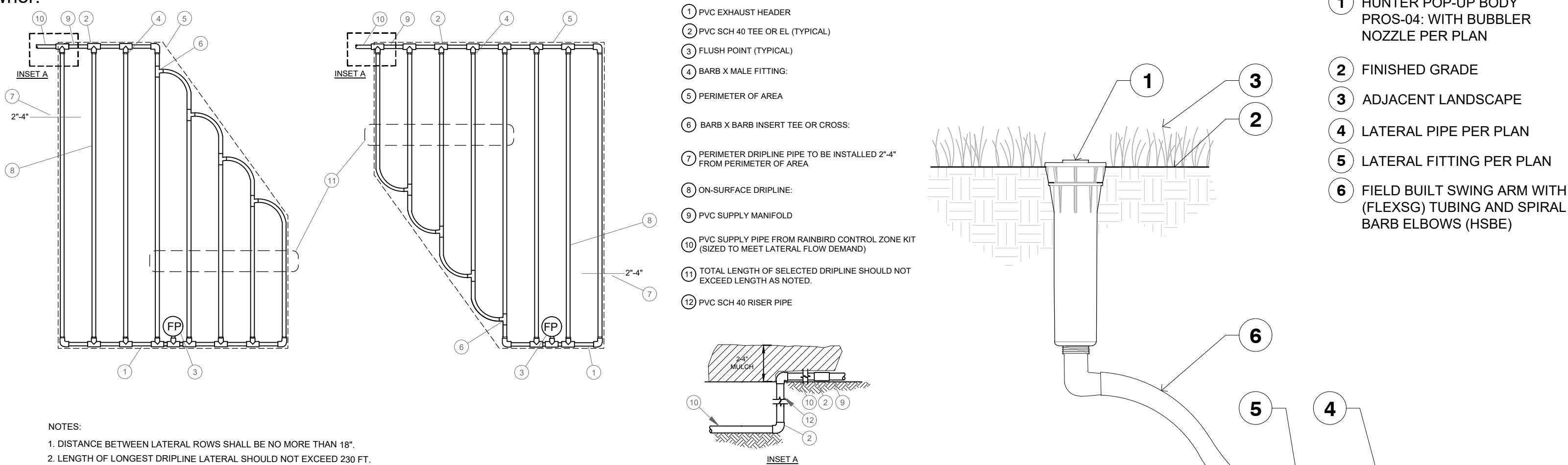


VALVE DETAIL



ON-SURFACE DRIPLINE/END FEED LAYOUT

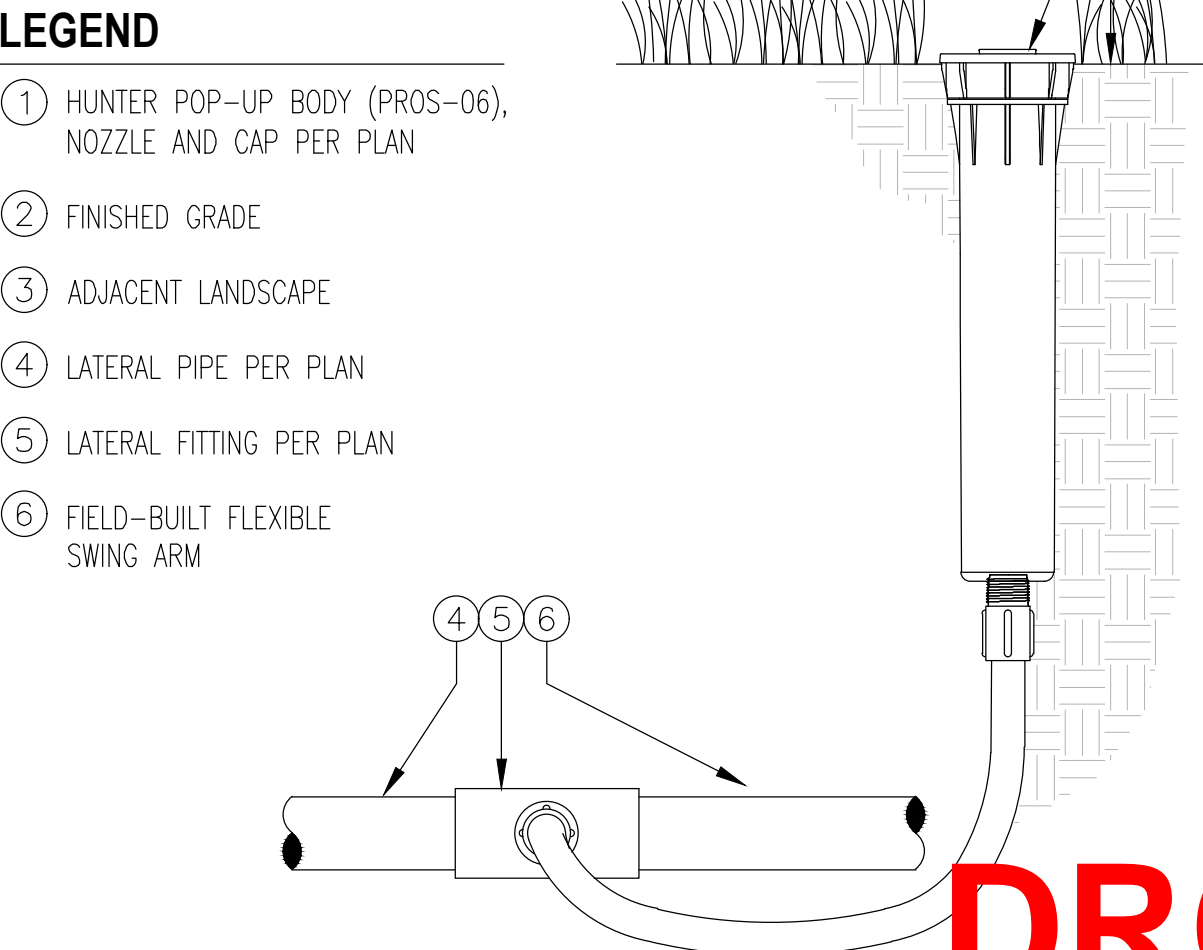
ON-SURFACE DRIPLINE / TYPICAL ODD CURVES LAYOUT



ON-SURFACE DRIPLINE / TYPICAL IRREGULAR SHAPED LAYOUT

DRIP DETAILS

PROS-4/BUBBLER DETAIL



PROS-6 DETAIL



Know what's below.
Call before you dig.

Project Team

Landscape Architect:

LA

LANDSCAPE ARCHITECTURAL SERVICES, LLC

Brandon White | Owner
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Paul Goulas | Owner
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Architect:

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Miami, FL 33144
(305) 506-7388

Proposed Building Addition & Parking For:

50 S.W. 5th Street Pompano Beach, FL 33060

Irrigation Details & Specifications

Revisions		
Date	Init.	Description
07.07.25	PG	Initial Submittal

Drawn By: PG

Checked By: PG

Municipal Project:

Scale:

DRC

PZ25-12000015

08/06/2025

IR-02