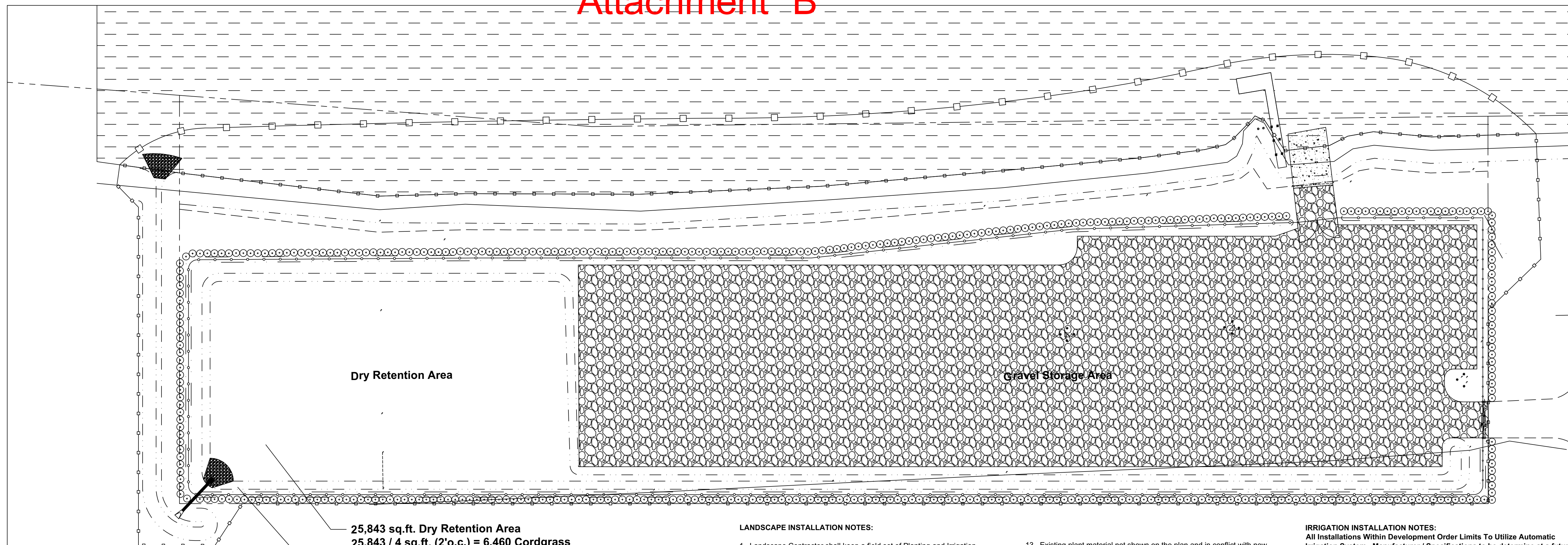




1. All systems to utilize low angle or flat, rotors, spray heads, and drip line system to produce an efficient water watering operation.
2. All systems to be on automatic program controllers. Controller locations to be site verified and coordinated with general contractor and electrical/ mechanical engineer.
3. All systems to be on an automatic rain sensor shut off devices.
4. Head locations are diagrammatic and serve only as a guide for installational purposes.
5. Irrigation contractor responsible for 100% full coverage in accordance to good industry standards.
6. Irrigation contractor responsible for coordination with project mechanical contractor for adequate water supply, psi, meter and main line locations and required sleeves for access to all areas requiring irrigation.
7. All systems to utilize appropriate back flow preventor in accordance to Lee County codes.
8. Adjust the radius of spray on irrigation heads as needed to provide proper double coverage. Avoid over-spray on pavement and walls. Heads shall be placed a minimum of 6" from pavement and walls. Pressure compensating heads shall be used to eliminate aerosol spraying.
9. Pipe sizing shall be determined by friction loss chart method with maximum velocity not to exceed 5 fps.
10. Zone outline and calculation provides performance standards required. Head layout will be supplied and /or field coordinated with irrigation contractor.
11. Check knockout hose bibs in lockable recessed valve boxes shall be provided as noted on plan in accordance with all applicable codes.
12. Constant pressure pipe and sleeves shall be schedule 40 pvc.
13. Zone laterals shall be class 200 pvc.
14. Installation shall be subject to all general project specifications and requirements. Specific irrigation specifications to be supplied prior to work commencement.
15. The locations of valves may change from the plan due to the location of the water source and/or electrical supply. Field adjust zones as needed with the approval of the landscape architect.
16. The irrigation contractor shall provide **AS BUILT DRAWINGS** to the owner showing all field adjustments to the systems upon completion of the project.
17. The irrigation contractor is responsible for all piping and wire take-offs for the project, as well as all fittings and connections at the water source.
18. All electric valves shall be installed below finish grade in **AMETEK** valve boxes. Valves should be located in close proximity to each other as much as possible.
19. Full one year warranty to be provided from date of project final acceptance.
20. All irrigation heads in planting beds will be 12" pop-ups and sod areas 4" pop-ups. All stream bubbler heads shall be on black painted PVC risers. Any use of shrub risers shall be determined on site after the installation of plant material.
21. The following criteria shall be used for class 200 PVC piping. Minimum pipe size shall be starting at the turning point from the valve with increased sizes in proportion to the increased gpm getting closer to the valve.

Gallons per minute	Pipe size
1 - 16 gpm	maximum 1"
17 - 28 gpm	maximum 1 1/4"
29 - 35 gpm	maximum 1 1/2"
36 - 55 gpm	maximum 2"
56 - 60 gpm	maximum 2 1/2"
81 - 120 gpm	maximum 3"
121 - 210 gpm	maximum 4"