

IRRIGATION ZONES

SMART CONTROLLER			
1.....17.66	GPM	7.....18.20	GPM
2.....18.97	GPM	8.....DRIP	
3.....17.12	GPM	9.....17.44	GPM
4.....18.97	GPM	10.....17.84	GPM
5.....18.97	GPM	11.....DRIP	
6.....19.01	GPM	12.....17.95	GPM
13.....11.68	GPM	14.....14.64	GPM
15.....12.61	GPM	16.....15.64	GPM
17.....9.76	GPM	18.....13.99	GPM
19.....17.56	GPM	20.....18.07	GPM

IRRIGATION SYSTEM IN GDOT

(The following must be shown when irrigation in GDOT ROW)

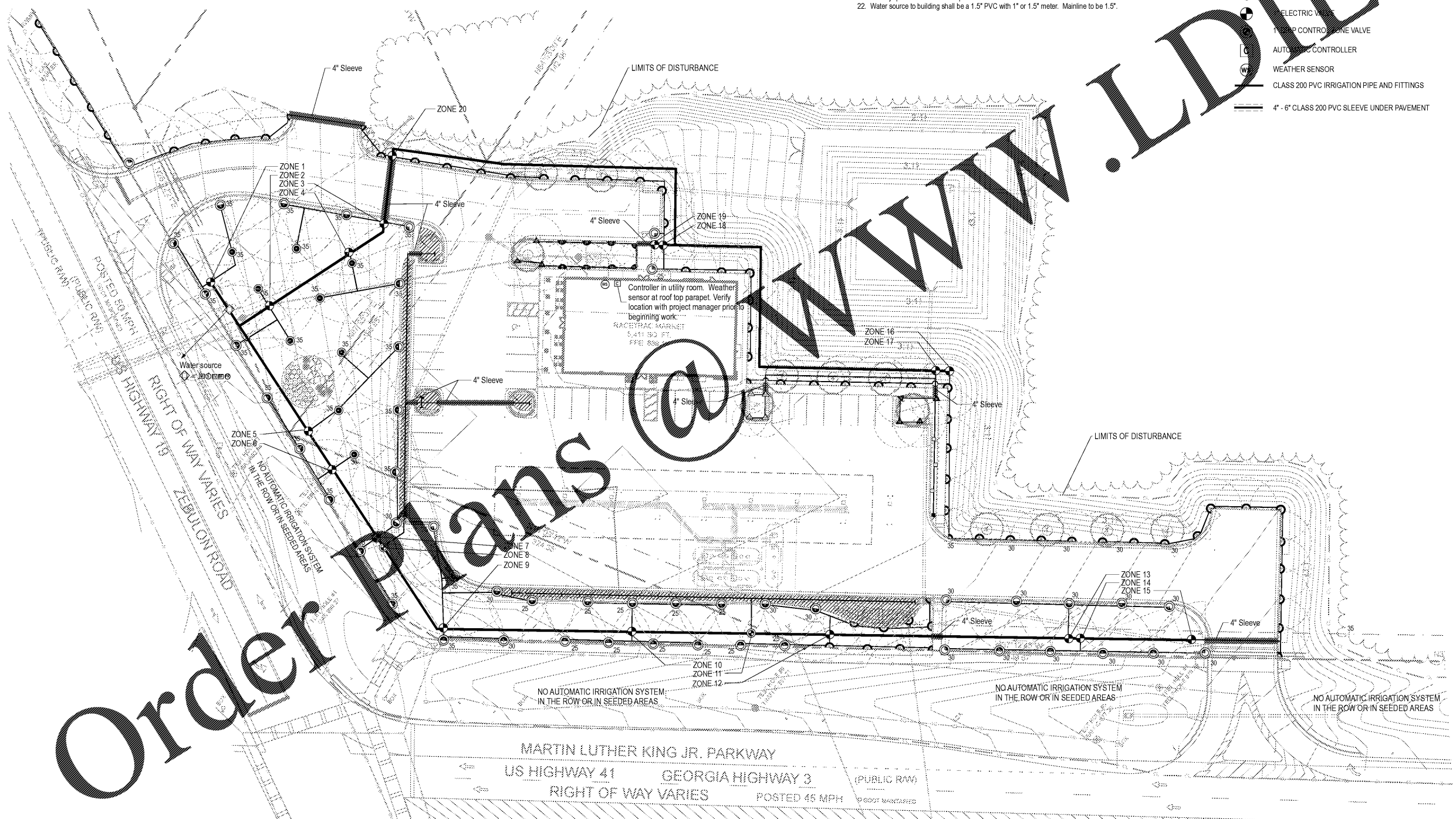
Show where all sprinkler heads on R/W are located. (distance apart, how far from R/W line, BOC, something that is definable)
 Sprinkler Heads must be retractable and turned to direct spray away from the roadway. Must show direction of spray and flow.
 Must show manual cut-off valve behind R/W.
 Sprinkler System on R/W must be wrapped with metallic tape during installation.

IRRIGATION NOTES

1. Irrigation Contractor to locate and protect all underground utilities prior to digging.
2. All valves to be located in valve box, with cover at grade. Locate box in grass area when possible.
3. Automatic controller to be mounted in utility room or as determined by the Project Manager; see Architectural Plans.
4. Weather Sensor to be located along parapet or as determined by the Project Manager; see Architectural Plans. Ensure Sensor is free from any obstructions.
5. 60 psi required per rotor station - 40 psi required per spray station - 40 psi required per drip station. All spray and rotor bodies to have PRS (in-slim pressure regulation system) as indicated in the legend. Flow adjustments can be made at the zone's valve to compensate for this difference in PSI.
6. Pressure regulator required if static water pressure at point of connection for site is greater than 80 psi.
7. 4" - 6" SCH 40 PVC sleeves are to be located as shown on sheet L.2.1. Extend sleeve 18" beyond back of curb or pavement. Sleeves to be located and exposed by the General Contractor prior to start of the irrigation installation. RaceTrac will reject all other locations.
8. All shrub beds are to be irrigated using dripline. 4" pop-up height for turf zone rotors and sprays. Rotor nozzle size as indicated on the irrigation plan.
9. All pipes, automatic valves, backflow preventor, manual valve and meter to be located within property lines; shown outside on drawing for clarity only.
10. Irrigation meter and backflow preventor to be provided by the General Contractor.
11. Backflow preventor to be as per local code.
12. Mainline & all Lateral lines are to be located a minimum of 3' off back of curb/sidewalk. Any sprays or rotors located in this area are to be connected using a flexible swing pipe (RainBird SPX-FLEX-100).
13. All mainlines to have a minimum of 18" cover (class 200 PVC pipe).
14. All laterals and sub-main pipe to have a minimum of 12" (class 200 PVC pipe).
15. No rocks, boulders, or other extraneous materials to be used in backfilling trenches.
16. All threaded joints to be coated with Teflon Tape or Liquid Teflon.
17. All lines to be thoroughly flushed before installation of sprinkler heads.
18. Must use products specified on this drawing, unless otherwise approved by the Landscape Architect.
19. Irrigation Contractor shall provide an As-Built drawing to the Landscape Architect.
20. Irrigation Contractor to field verify that installed irrigation system provides 100% coverage upon completion of installation. If system does not provide 100% coverage the Irrigation Contractor shall revise system to provide 100% coverage prior to Certificate of Occupancy.
21. All pipe, valves, drip, spray heads, rotors, controllers, and weather sensors are to be installed as per RainBird specifications. For any questions on RainBird products or installation call Don Mann at 520.904.1146.
22. Water source to building shall be a 1.5" PVC with 1" or 1.5" meter. Mainline to be 1.5".

IRRIGATION LEGEND

	1" IRRIGATION CONNECTION	PROVIDED BY THE GENERAL CONTRACTOR
	LANDSCAPE DRIPLINE	RAINBIRD XFD-06-18
	SIDE STRIP SPRAY HEAD	RAINBIRD 1800-PRS-15SST
	END STRIP SPRAY HEAD	RAINBIRD 1800-PRS-15EST
	180 SPRAY HEAD - 10' RADIUS	RAINBIRD 1800-PRS-U10H
	90 SPRAY HEAD - 10' RADIUS	RAINBIRD 1800-PRS-U10Q
	VARIABLE SPRAY HEAD	RAINBIRD 1800-PRS-10-VAN
	VARIABLE SPRAY HEAD	RAINBIRD 1800-PRS-15-VAN
	180 SPRAY HEAD - 15' RADIUS	RAINBIRD 1800-PRS-U15H
	90 SPRAY HEAD - 15' RADIUS	RAINBIRD 1800-PRS-U15Q
	180 ROTARY NOZZLE - 16" (regulated at 30psi)	RAINBIRD 1800-PRS-R13-18H
	90 ROTARY NOZZLE - 16" (regulated at 30psi)	RAINBIRD 1800-PRS-R13-18Q
	360 SERIES STREAM ROTOR	RAINBIRD 5000-MPR-F25/30/35 (as indicated on the head)
	180 MPR SERIES STREAM ROTOR	RAINBIRD 5000-MPR-H25/30/35 (as indicated on the head)
	90 MPR SERIES STREAM ROTOR	RAINBIRD 5000-MPR-Q25/30/35 (as indicated on the head)
	ELECTRIC VALVE	RAINBIRD 100-PGA
	STRIP CONTROL ZONE VALVE	RAINBIRD XCZ-100-B-COM
	AUTOMATIC CONTROLLER	RAINBIRD ESP-SMT
	WEATHER SENSOR	INCLUDED W/T CONTROLLER
	CLASS 200 PVC IRRIGATION PIPE AND FITTINGS	1" pipe unless otherwise indicated on drawing; 1.5" mainline
	4" - 6" CLASS 200 PVC SLEEVE UNDER PAVEMENT	installation of sleeves by contractor in location as shown on plan; size as indicated



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 manleylanddesign.com

RaceTrac
 RACETRAC PETROLEUM, INC.
 3225 CUMBERLAND BLVD.
 ATLANTA, GEORGIA 30339
 (770) 431-7600

RaceTrac Market #1242
 Hwy 19 & Hwy 41
 Griffin, GA
 Spalding Co.

date:	8.2.17
scale:	1"=30'-0"
drawn by:	SLM
checked by:	SLM
job number:	2017069



issued

1	8.17.17	Eliminate ROW Irrigation
2	9.13.17	County Comments
3	11.17.17	Client Comments
4	7.7.18	Client Comments
5	8.22.18	Client Comments
6	10.2.18	Client Comments
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17		

sheet title
Irrigation Plan

sheet number
L-2.1

