

IRRIGATION LEGEND

- 1" IRRIGATION METER PROVIDED BY THE GENERAL CONTRACTOR (1 REQUIRED)
- 1" MANUAL SHUTOFF VALVE AS REQUIRED BY CITY
- RPZ BACKFLOW PREVENTER AS REQUIRED
- 1" PRESSURE REGULATOR (1 REQUIRED)
- 1" ELECTRICAL MASTER VALVE (1 REQUIRED)
- LANDSCAPE DRIPLINE RAINBIRD XFD-06/09-12/18/500
- 180 SPRAY HEAD - 15' RADIUS RAINBIRD 1804-PRS-U15H
- 90 SPRAY HEAD - 15' RADIUS RAINBIRD 1804-PRS-U15Q
- 180 1800 ROTARY NOZZLE - 21" (REGULATED AT 30 PSI) RAINBIRD 1804-PRS-R17-24-H
- 90 1800 ROTARY NOZZLE - 21" (REGULATED AT 30 PSI) RAINBIRD 1804-PRS-R17-24-Q
- 270 5000 PLUS MPR NOZZLES- 30" (REGULATED AT 40 PSI) RAINBIRD 5004-MPR-30-T
- 180 5000 PLUS MPR NOZZLES- 30" (REGULATED AT 40 PSI) RAINBIRD 5004-MPR-30-H
- 90 5000 PLUS MPR NOZZLES- 30" (REGULATED AT 40 PSI) RAINBIRD 5004-MPR-30-T
- 180 5000 PLUS MPR NOZZLES- 30" (REGULATED AT 40 PSI) RAINBIRD 5004-MPR-30-Q
- 360 5000 PLUS MPR NOZZLES- 35" (REGULATED AT 40 PSI) RAINBIRD 5004-MPR-35-F
- 360 5000 PLUS MPR NOZZLES- 50" (REGULATED AT 40 PSI) RAINBIRD 5004-MPR-50-F
- 1" ELECTRIC VALVE RAINBIRD 100-PGA-PRS-D
- 1" DRIP CONTROL ZONE VALVE RAINBIRD XCZ-PRB-100-COM
- AUTOMATIC CONTROLLER RAINBIRD ESP-SMTE (REQUIRES ADDITIONAL MODULES)
- WEATHER SENSOR INCLUDED W/ CONTROLLER
- CLASS 200 PVC IRRIGATION PIPE AND FITTINGS 1" PIPE UNLESS OTHERWISE INDICATED ON DRAWING; 1 1/2" MAINLINE
- 4" - 6" SCH 40 PVC SLEEVE UNDER PAVEMENT INSTALLATION OF SLEEVES BY CONTRACTOR IN LOCATION AS SHOWN ON PLAN; SIZE AS INDICATED.

IRRIGATION NOTES

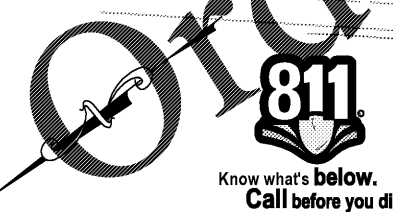
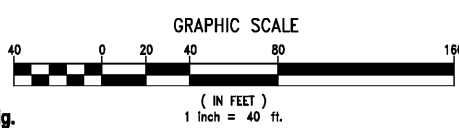
1. IRRIGATION CONTRACTOR TO LOCATE AND PROTECT ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
2. ALL VALVES TO BE LOCATED IN VALVE BOX, WITH COVER AT GRADE. LOCATED BOX IN GRASS AREA WHEN POSSIBLE.
3. AUTOMATIC CONTROLLER TO BE MOUNTED IN UTILITY ROOM OR AS DETERMINED BY THE PROJECT MANAGER. SEE ARCHITECTURAL 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-STEM 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 IS 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 ZONES, ROTORS & SPRAYS. ROTOR NOZZLE SIZE AS INDICATED ON THE IRRIGATION PLAN.
9. ALL PIPES, AUTOMATIC VALVES, BACKFLOW PREVENTER, MANUAL VALVE AND METER TO BE LOCATED WITHIN PROPERTY LINES. SHOWN OUTSIDE ON DRAWING FOR CLARITY ONLY.
10. IRRIGATION METER AND BACKFLOW PREVENTER TO BE PROVIDED BY THE GENERAL CONTRACTOR.
11. BACKFLOW PREVENTER TO BE AS PER LOCAL CODE.
12. MAINLINE AND ALL LATERAL LINES ARE TO BE LOCATED A MINIMUM OF 3 FEET FROM CURB OR 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 LATERAL AND SUB-MAIN PIPES TO HAVE A MINIMUM OF 12" COVER (CLASS 200 PVC PIPE).
15. NO ROCKS, BOULDERS, OR OTHER EXTRA LARGE ITEMS TO BE USED IN BACKFILLING TRENCHES.
16. ALL THREADED JOINTS TO BE COATED WITH TIGHTENING PASTE (TEFLON).
17. ALL LINE TO BE THOROUGHLY FLOUSH BEFORE INSTALLATION OF SPRINKLER HEADS.
18. MUST USE PRODUCTS SPECIFIED ON THIS DRAWING UNLESS OTHERWISE APPROVED BY THE RACETRAC CONSTRUCTION PROJECT MANAGER OR HIS DESIGNEE.
19. IRRIGATION CONTRACTOR SHALL PROVIDE AS-BUILT DRAWING TO THE LANDSCAPE CONTRACTOR AND THE RACETRAC CONSTRUCTION PROJECT MANAGER OR HIS DESIGNEE.
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 REUSE SYSTEM TO PROVIDE 100% COVERAGE PRIOR TO CERTIFICATE OF OCCUPANCY.
21. PIPE, VALVE, 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 JOHN KNICKEL AT 678.644.3249.
22. WATER SOURCE TO BUILDING SHALL BE A 1/2" PVC (INSIDE DIAMETER) WITH 1" OR 1 1/2" METER. MAINLINE TO BE 1/2" (INSIDE DIAMETER).
23. IRRIGATION SLEEVING TO BE 4" SCHEDULE 40 PVC SLEEVES AS LOCATED ON THIS SHEET AND REFERENCED ON SHEET L.2.1 WITH DETAIL ON SHEET L-2.2. RACETRAC WILL REJECT ALL OTHER LOCATIONS. INSTALL SLEEVES EXTENDING TO 18" BEYOND BACK OF CURB OR PAVEMENT, STUBBING AND CAPPING AT 12" MINIMUM ABOVE FINISHED GRADE. SLEEVES ARE TO BE INSTALLED A MINIMUM OF 24" OF COVER. SLEEVES TO BE LOCATED AND EXPOSED BY THE GENERAL CONTRACTOR PRIOR TO START OF THE IRRIGATION INSTALLATION.
24. LOCATION OF LINES SHOWN FOR GRAPHIC CLARITY. FOLLOW ALL MUNICIPAL AND RACETRAC STANDARDS FOR INSTALLATION OF LINES.

IRRIGATION ZONES

SMART CONTROLLER		GDOT IRRIGATION SYSTEM NOTES	
1 8.84 GPM	6 11.21 GPM	11 8.86 GPM	17 10.67 GPM
2 14.93 GPM	7 12.36 GPM	12 8.86 GPM	18 10.67 GPM
3 12.69 GPM	8 12.95 GPM	13 8.86 GPM	19 9.05 GPM
4 12.69 GPM	9 16.65 GPM	14 8.86 GPM	20 10.86 GPM
5 11.27 GPM	10 9.05 GPM	15 8.86 GPM	21 12.67 GPM
		16 12.48 GPM	22 10.86 GPM
			DRIP 1 0.40 GPM

GDOT IRRIGATION SYSTEM NOTES

1. SHOW WHERE ALL SPRINKLER HEADS ON R/W ARE LOCATED. (DISTANCE APART, HOW FAR FROM R/W LINE, BOC, SOMETHING THAT IS DEFINABLE)
2. SPRINKLER HEADS MUST BE RETRACTABLE AND TURNED TO DIRECT SPRAY AWAY FROM THE ROADWAY.
3. MUST SHOW DIRECTION OF SPRAY AND FLOW.
4. MUST SHOW MANUAL CUT-OFF VALVE BEHIND R/W.
5. SPRINKLER SYSTEM ON R/W MUST BE WRAPPED WITH METALLIC TAPE AND RUN WITH TRACE WIRES DURING INSTALLATION.
6. NO IRRIGATION SLEEVING IS PROPOSED IN DOT R/W
7. ALL SPRINKLERS IN R/W ARE "POP-UP" TYPE
8. NO IRRIGATION VALVES TO BE LOCATED WITHIN THE R/W
9. ALL VALVES SERVING IRRIGATION ZONES IN THE R/W SHALL BE EQUIPPED FOR MANUAL SHUT-OFF



REVISED	DATE	BY	DATE	NO.	DATE
11	02/23/2018	JPB	02/23/2018	1	02/23/2018
12	SUBSTITUTION COMMENTS				
13	ISSUE FOR BID/OWNER COMMENTS				
THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS ANY USE OF SAME WITHOUT THE EXPRESSED PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.					
RACETRAC PETROLEUM, INC. 3800 BUCKLE UP BLVD SUITE 100 ATLANTA, GA 30359 (770) 491-7900					
IRRIGATION PLAN PEACHTREE CORNERS RACETRAC 5700 PEACHTREE CORNERS PARKWAY PEACHTREE CORNERS, GEORGIA GWINNETT COUNTY DIST. 6, LL 284, PAARCELLS: 6-284-16, 18, 40, 56					
DRAWN-BY: JPB DATE: 02/23/2018 SCALE: 1"=40' DRAWING NAME: 4607.00					
L-2.1					1
SHEET NO.					VERSION