

NO.	REVISIONS	DATE	BY
1	REVISIONS PER ADJACENT LANDSCAPE AND SITE LAYOUT COORDINATION AND REVIEW COMMENTS	08-21-25	WDB

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PROJECT #	25-111
DATE	05-28-2025
SCALE	AS SHOWN
DESIGNED BY	WDB
DRAWN BY	WDB
CHECKED BY	WDB

RACETRAC PETROLEUM, INC.
SAMPLE ROAD & 27TH AVENUE
POMPANO BEACH, BROWARD COUNTY
FLORIDA 33069

IRRIGATION PLAN

IRRIGATION NOTES & SPECIFICATIONS

- CONTRACTOR TO VISIT SITE AND REVIEW PLANS PRIOR TO SUBMITTING A PROPOSAL TO OWNER. CONTRACTOR SHALL VERIFY ALL SITE AND TREE INFORMATION, AND BRING ANY DISCREPANCIES, CONFLICTS OR OMISSIONS WITHIN THE PLANS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO SUBMITTING A PROPOSAL. LANDSCAPE ARCHITECT WILL NOT BE HELD RESPONSIBLE FOR ANY CONFLICTS, OMISSIONS, OR DISCREPANCIES ONCE A BID OR PROPOSAL HAS BEEN SUBMITTED.
- THESE PLANS WERE PREPARED BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF DESIGN.
- CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES BEFORE WORK COMMENCES AND SHALL PROTECT ALL UNDERGROUND/ABOVE GROUND UTILITIES AND EXISTING CONDITIONS-TO-REMAIN DURING CONSTRUCTION.
- IRRIGATION SYSTEM SOURCE WILL BE A NEW 2" IRRIGATION METER. SEE CIVIL PLANS FOR EXACT LOCATION AND DETAILS INCLUDING BACKFLOW PREVENTION DEVICE DETAILS. IRRIGATION SYSTEM WILL HAVE AN EXTERIOR MOUNTED RAINBIRED (OR APPROVED EQUAL) PROGRAMMABLE CONTROLLER WITH AN INTEGRATED RAIN SENSOR SHUTOFF DEVICE IN AN UNOBSTRUCTED LOCATION.
- IRRIGATION CONTRACTOR TO COORDINATE WITH MEP ENGINEER AND GENERAL CONTRACTOR TO COORDINATE POWER NEEDS FOR CONTROLLER. PRIOR TO PROJECT CONSTRUCTION ACTIVITIES AND ALL SLEEVES BENEATH PAVEMENT. ALL IRRIGATION LINES AND ZONE VALVE WIRING BENEATH PAVEMENT SHALL BE WITHIN UNDERGROUND SCHEDULE 40 PVC SLEEVES AND SHALL BE A MINIMUM TWICE THE INSIDE DIAMETER OF LINES BEING SLEEVED. DEPTH FOR SLEEVES SHALL BE AS REQUIRED BY SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND SHALL BE A MINIMUM OF 18" DEPTH. THIS MUST BE DONE BEFORE PROJECT CONSTRUCTION BEGINS SO PROPER INFRASTRUCTURE CAN BE IN PLACE WITHOUT INCURRING COSTS OF BORING BENEATH NEW ASPHALT PAVING.
- IRRIGATION CONTRACTOR SHALL PROVIDE SYSTEM COMPLETE AS SPECIFIED HEREIN, AND AS REQUIRED FOR PROPER PERFORMANCE AND COMPLIANCE, TO PROVIDE 100% (HEAD-TO-HEAD) IRRIGATION COVERAGE OF ALL PERVIOUS PLANTED AREAS. THE SCOPE OF WORK INTENDED WHEN BIDDING ON THESE IRRIGATION PLANS IS TO PROVIDE A COMPLETE, COMPLIANT, SAFE, FULLY-OPERATIONAL, INSTALLED IRRIGATION SYSTEM COMPLETE AND ACCORDING TO THE DESIGN HEREIN. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR ALL COMPONENTS, APPROVALS, AND WORKMANSHIP TO MAKE THE SYSTEM FUNCTION PROPERLY AND IN ACCORDANCE WITH REGULATING CODES.
- CONTRACTOR WILL SECURE ALL NECESSARY PERMITS PRIOR TO SYSTEM INSTALLATION.
- ALL AUTOMATIC RAINBIRED ZONE VALVES SHALL BE INSTALLED IN A FIBERGLASS BOX AND SHALL BE ARRANGED FOR EASY ADJUSTMENT AND ACCESS. THE FLOW ADJUSTMENT FEATURE OF EACH VALVE SHALL BE UTILIZED TO BALANCE OPERATING PRESSURES THROUGHOUT THE SYSTEM. VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE AND SHALL INSURE PERCOLATION THROUGH THE BOX.
- WATERING TIME PER STATION WILL BE DETERMINED IN THE FIELD AND PER LOCAL REQUIREMENTS OR RESTRICTIONS. REFER TO MANUFACTURER'S INSTRUCTIONS FOR PRECIPITATION RATES OF SPRINKLERS SPECIFIED AND SOUTH FLORIDA WATER MANAGEMENT DISTRICT REGULATIONS FOR WATERING, INCLUDING NEW LANDSCAPE INSTALLATIONS, INSTALLATIONS FROM 30-90 DAYS, AND REGULATIONS FOR ESTABLISHED LANDSCAPE PLANTING MATERIALS.
- IRRIGATION PLAN IS SCHEMATIC AND MAY SHOW COMPONENTS SLIGHTLY OFF FROM ACTUAL INTENDED LOCATIONS FOR GRAPHICAL CLARITY. IRRIGATION CONTRACTOR TO ADJUST TO FIELD CONDITIONS AND INACCURACIES THAT ARE INHERENT WITH DRAWINGS AT THIS DRAWING SCALE.
- IRRIGATION CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT FOR ANY SUBSTANTIAL CHANGES THAT WOULD NOT CONFORM TO THE INTENT OF THE IRRIGATION PLANS. NO SUBSTITUTIONS IN MANUFACTURER MATERIALS WILL BE ACCEPTED UNLESS ACCEPTED IN WRITING BY THE LANDSCAPE ARCHITECT OF RECORD PRIOR TO ORDERING, PLANNING, OR INSTALLATION.
- ALL MAIN AND LATERAL PIPING RUNS TO HAVE SOLVENT WELD JOINTS WITH USE OF A COLORED PRIMER PRIOR TO APPLYING SOLVENT WELD.
- USE RAINBIRED ESP SERIES MODULAR HYBRID CONTROLLER EXPANDABLE TO 22-STATIONS WITH EXPANSION MODULES INSTALLED OR APPROVED EQUAL IN OUTDOOR WALL MOUNTABLE STAINLESS STEEL SECURABLE ENCLOSURE. ATTACH HUNTER MINI-CLIK II RAIN SENSOR DEVICE TO CONTROLLER PER MANUFACTURER'S INSTRUCTIONS IN UNOBSTRUCTED LOCATION.
- PLAN WAS DESIGNED BASED ON ASSUMPTION OF AT LEAST 45 PSI FROM NEW IRRIGATION METER.
- MAINLINE, LATERAL LINES, ZONE VALVES AND OTHER COMPONENTS ARE SHOWN SCHEMATICALLY TO MAINTAIN GRAPHICAL CLARITY ON THIS PLAN. RUN ALL MAIN AND LATERAL (CIRCUIT PIPING CLOSE TO PAVEMENT EDGES (SIDEWALKS, CURBS, ETC.) AS SHOWN. SYSTEM LAYOUT HAS TRIED TO MINIMIZE IMPACTS TO ROOT SYSTEMS OF EXISTING TREES TO REMAIN BUT TRENCHING WILL LIKELY ENCOUNTER SOME OF THESE. ANY ROOTS LARGER THAN 1.5" DIAMETER THAT ARE CUT DURING TRENCHING WILL BE ROOT PRUNED EVENLY WITH A CLEAN, SHARP TOOL, MADE SPECIFICALLY FOR TREE AND ROOT CUTTING/PRUNING. DO NOT LEAVE ANY JAGGED ROOTS OVER 1.5" IN DIAMETER.
- BUBBLER HEADS SHOWN GRAPHICALLY BUT NOT BUBBLER LATERAL LINES (FOR GRAPHICAL CLARITY BUT INCLUDED IN ZONE CALCULATIONS); INCLUDE ONE BUBBLER NOZZLE FOR EACH NEW TREE ON SITE. SET FLOW TO NO MORE THAN .25 GPM.
- USE RAINBIRED 1800 SERIES SPRINKLER BODIES WITH NOZZLES AS SPECIFIED. SEE IRRIGATION DETAILS SHEET FOR SPRINKLER SCHEDULE AND DETAILS.
- RUN A MINIMUM OF ONE SPARE ZONE VALVE WIRE ALONG LATERAL LINE TO FURTHEST HEAD FROM CONTROLLER FOR FUTURE USE AS SPARE WIRE. TERMINATE IN NEAREST ZONE VALVE BOX WITH WIRE NUTS AND SILICON.
- ALL PIPING AND CONDUIT RUNS BENEATH PAVEMENT WILL BE PLACED IN PVC SLEEVES AT MIN. OF 24" BENEATH PAVEMENT OR AS PER SOUTH FLORIDA WATER MANAGEMENT DISTRICT REQUIREMENTS, WHICHEVER IS GREATER.
- AS PER 155.520(3) B.5.4 THRU E, CONTRACTOR SHALL PROVIDE A NOTE A RUST FREE, AUTOMATIC UNDERGROUND IRRIGATION SYSTEM INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF THE BUILDING CODE, INCLUDING A RAIN-SENSING CUTOFF DEVICE, PROVIDING 100% COVERAGE WITH 50% OVERLAP, AND REUSE WATER WHEREVER PRACTICABLE AND AVAILABLE.

IRRIGATION SYMBOL LEGEND

- RAINBIRED PESB REMOTE ELECTRONIC ZONE VALVE
- SCHEDULE 40 PVC 2-1/2" IRRIGATION MAIN LINE
- SCHEDULE 200 LATERAL (CIRCUIT) PIPING
- SCHEDULE 80 PVC SLEEVE PIPE AT PAVEMENT CROSSINGS (MINIMUM TWICE THE DIAMETER OF LINES BEING SLEEVED) AND DEPTH AS PER SFWMDD REQUIREMENTS
- IRRIGATION ZONE INDICATOR
- RAINBIRED ESP SERIES MODULAR HYBRID CONTROLLER WITH EXPANSION MODULES TO 12-STATION INSTALLED USE RAINBIRED OUTDOOR WALL MOUNT OPTION IN SECURABLE SS WATERPROOF ENCLOSURE

NOTE: INSTALL BRASS MANUAL BALL MASTER SHUTOFF VALVE BETWEEN BACKFLOW PREVENTION DEVICE AND MAIN LINE

PERMIT SET
MUST BE ON JOBSITE AT ALL TIMES DURING CONSTRUCTION

NOTICE
INSPECTION REQUIRED
24 HRS. PRIOR TO COMMENCING ANY WORK IN THE PUBLIC ROW CONTACT THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION AT 954-577-4600 FOR INSPECTION.

NOTE:
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION.
A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC RIGHT OF WAY.
ALL MATERIALS USED AND INSTALLATIONS WITHIN THE PUBLIC RIGHT OF WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION SPECIFICATIONS.

BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION
PLAN CONSISTENT WITH PLAT REQUIREMENTS
PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE
BY: _____ DATE: _____
DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKING & SIGNS

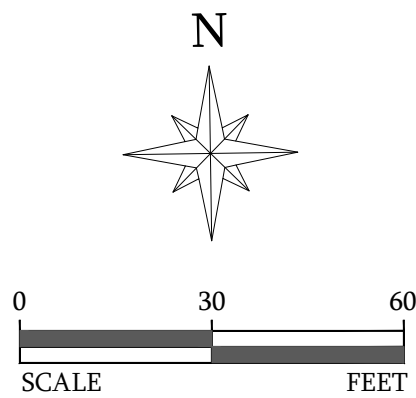
BELOW IS AN AUTHORIZED DIGITAL SIGNATURE AND SEAL OF THE PROFESSIONAL LISTED BY THE STATE OF FLORIDA. THE SIGNATURE AND SEAL ARE VALID FOR THE STATE OF FLORIDA. THE SIGNATURE AND SEAL ARE VALID FOR THE STATE OF FLORIDA. THE SIGNATURE AND SEAL ARE VALID FOR THE STATE OF FLORIDA.

REFER TO SHEET L-301 FOR FOR IRRIGATION DETAILS AND SHEET L-302 FOR IRRIGATION SPECIFICATIONS.

IT IS REQUIRED TO HAVE A PRE-CONSTRUCTION MEETING WITH THE URBAN FORESTRY STAFF PRIOR TO COMMENCEMENT OF ANY LANDSCAPE WORK OR SITE WORK AFFECTING EXISTING TREES. CONTACT WADE COLLUM AT 954-545-7766 or wade.collum@copbfl.com

EXISTING IRRIGATION MAINLINE TO BE PRESERVED IN PLACE WHEREVER POSSIBLE. CUT/CAP/REROUTE EXISTING SYSTEM AS NECESSARY TO INSURE 100% COVERAGE FOR REMAINDER OF SHOPPING CENTER.

IRRIGATION PLAN



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