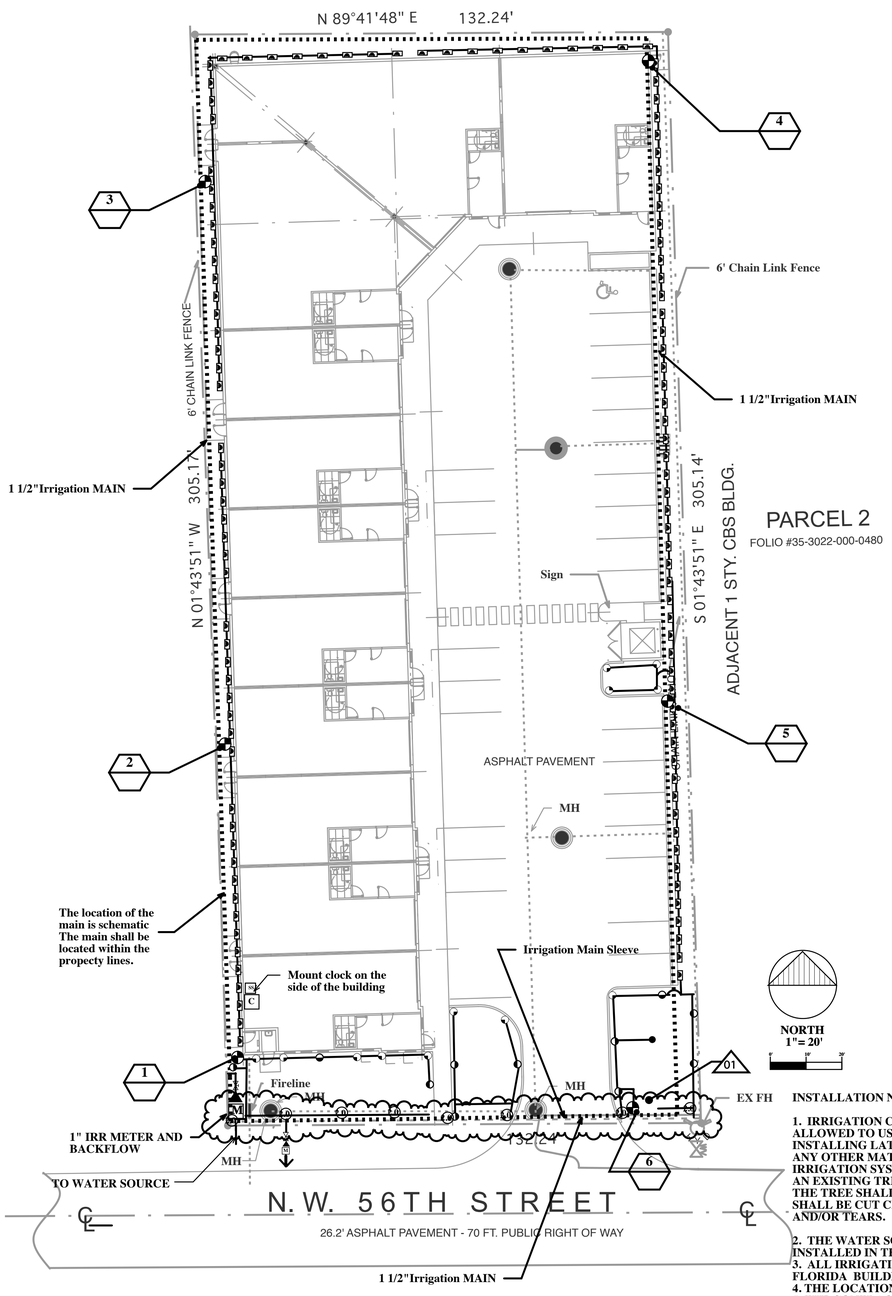
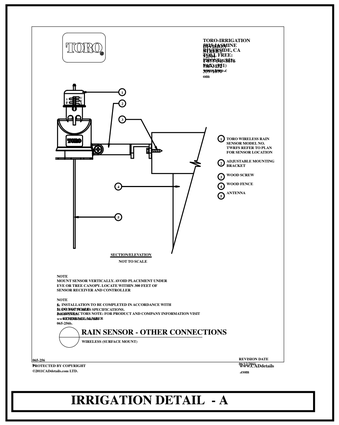
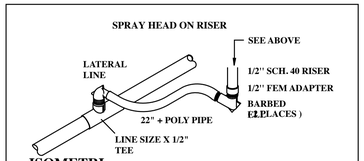




Rain Sensor

IRRIGATION DETAIL - A

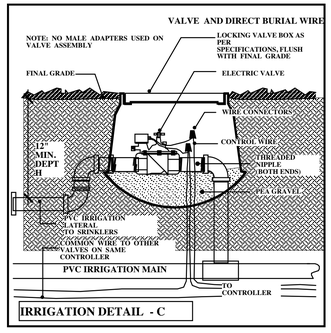


ISOMETRIC

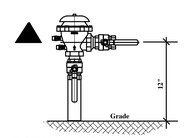
12" POP-UP ON RISER

SCALE: N.T.S.

IRRIGATION DETAIL - B



IRRIGATION DETAIL - C



The FEBCO Series 765 Pressure Vacuum Breaker Size: 1/2" - 2" (15mm - 50mm)

12" (300mm) above the highest downstream outlet and the highest point in the downstream piping

Install as per manufactierers specifications and all local codes.

IRRIGATION DETAIL - D Backflow Preventor Detail

LANDSCAPE AND IRRIGATION BID CONDITIONS

1. The quantities on the plan are for the convenience of the contractor only and not to be considered as the final quantitiy for installation. The callouts and entities drawn on the plans take precedence over the Spec list.
2. The contractor shall be responsable for his own takeoffs of the materials drawn.
3. The contractor shall be expected to visit the site prior to bid. the contractor shall have an understanding of the on site conditions to prepare his bid. Any questions concerning conditions are to be brought to the owners attention prior to bid.
4. Any discrepensies concerning the materials or conditions of the site that shall inhibit the installation as drawn shall be brought to the attention of the owners representatives. Issues found prior to bid will become a condition of the bid after submission.
5. After the award of the contract, any discrepancies in the plans or additional materials and costs because of pre-existing conditions at the site shall not be a reason for any additional charges to the owners.
6. These bid conditions are not to be considered all inclusive. There may be additional conditions included in other documents of the construction agrement. It is the contractors responsability to make himself and his subcontractors aware of any other such conditions.

SYSTEM DESIGN NOTE

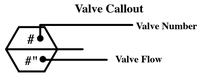
IT IS THE RESPONSABILITY OF THE CONTRACTOR TO PROVIDE THE HEADS SHOWN AS A MINIMUM. HE SHALL PROVIDE ANY ADDITIONAL HEADS REQUIRED FOR THE SPECIFIED COVERAGE AND SIZE THE PIPE ACCORDING TO THE SPECIFICATIONS FOR PIPE SIZING AND SLEEVING PROVIDED ON THIS SHEET AND SHALL PROVIDE 100% COVERAGE WITH A 100% OVERLAP.

THE CONTRACTOR IS TO SIZE THE PIPE AND THE DESIGN SHALL PROVIDE SUFFICIENT PRESSURE AND FLOW TO SATIFY THE MANUFATURERS SPECIFICATIONS FOR THE EQUIPMENT SPECIFIED.

WHERE AN EXISTING SYSTEM IS DEMOLISHED THE CONTRACTOR SHALL SUPPLY TEMPORARY WATER TO ALL LANDSCAPE NOT EFFECTED BY DEMOLITION FOR THE PERIOD OF CONSTRUCTION AND UNTIL THE SYSTEM IS IN PLACE AND OPERATIONAL.

WHERE POSSIBLE THE ZONES SHOWN ARE TO BE RESPECTED IN THE DESIGN SEE SHEET EP 1 FOR ELECTRICAL COORDINATION AND CONTINUATION OF INSTALLATION SPECIFICATIONS.

THE ZONES ARE SUGGESTED AND SHOULD BE ALTERED TO BETTER BALANCE THE SYSTEM WHERE REQUIRED.



48 HOURS BEFORE YOU DIG
CALL SUNSHINE
1-800-432-4770
IT'S THE LAW IN FLORIDA

Note:
Sleeve under all pavement according to schedule below.

PIPE SIZING SCHEDULE 40

0-7 GPM	= 3/4"
8-12	= 1"
13-22	= 1 1/4"
23-30	= 1 1/2"
31-50	= 2"
51-70	= 2 1/2"
71-110	= 3"

INSTALLATION NOTE:

1. IRRIGATION CONTRACTOR SHALL NOT BE ALLOWED TO USE A MECHANICAL TRENCHER WHEN INSTALLING LATERALS, MAINS, AND/OR WIRING OR ANY OTHER MATERIAL NECESSARY FOR THE IRRIGATION SYSTEM WITHIN 10' FROM THE FACE OF AN EXISTING TREE. ALL TRENCHES WITHIN THE 10' OF THE TREE SHALL BE HAND DUG. ALL ROOTS EXPOSED SHALL BE CUT CLEANLY WITH NO JAGGED EDGES AND/OR TEARS.

2. THE WATER SOURCE SHALL BE FROM A NEW 2" WATER METER INSTALLED IN THE APROXIMATE LOCATION SHOWN.
3. ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED PER THE SOUTH FLORIDA BUILDING CODE LATEST EDITION.
4. THE LOCATION OF THE MAIN IS SCHEMATIC.
5. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY AND CONSTRUCTION DOCUMENTS.
6. THESE PLANS ARE NOT COMPLETE WITHOUT THE COMPLETE SET OF LANDSCAPE PLANS, SHEET L-1 AND L-2

7. THE LAYOUT AND ZONING ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE ACTUAL LAYOUT AND WATER LOADS MAY BE REVISED BY THE CONTRACTOR TO ACCOMODATE CONSTRUCTION.

NOTES FOR THE MAIN

ALL WORK TO BE ACCOMPLISHED WITHIN PROPERTY LINES. ANY WORK SHOWN ON PLANS OUTSIDE OF PROPERTY LINES IS STRICTLY FOR GRAPHIC CLARITY. MAINLINE IS SOMETIMES SHOWN IN ASPHALT UNDER SIDEWALK. THIS IS ALSO FOR GRAPHIC CLARITY; THE LINE SHOULD BE RUN ADJACENT TO THE HARDSCAPE.

THE MAIN SHALL BE LOCATED IN LANDSCAPE AREAS WITHIN PROPERTY LINES AND WILL NOT BE LESS THAN 12" FROM ANY PAVEMENT.

NOTE:

6" POPS SHALL BE USED IN SOD AREAS
12" POPS SHALL BE USED IN GROUND COVER BEDS. NO SMALLER SIZES SHALL BE USED.

SLEEVE UNDER ALL PAVEMENT ACCORDING TO THE SCHEDULE BELOW.

PIPE SLEEVING SCHEDULE

PIPE SIZE	SLEEVE SIZE
1"	2"
1 1/4"	2"
1 1/2"	3"
2"	4"
2 1/2"+	6"

NOTE THAT NO SLEEVE SHALL BE LESS THAN 2"

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird PGA-PRS-D- Globe 1", 1-1/2", 2" Electric Remote Control Valve, Globe. With Pressure Regulator Module.
	Nibco T-113-K Class 125 bronze gate shut off valve with cross handle, same size as mainline pipe diameter at valve location. Size Range - 1/4" - 3"
S C	Rain Bird ESP-TM2 6 Station WiFi Ready Indoor/Outdoor Controller | TM2-6 - outdoor model Weatherproof enclosure, with lock. 120VAC input 60Hz, 26.5V 1.2.5A output. Include RSD-BEX Rain sensor w/ latching bracket, extension wire mount to highest point closest to controller in conduit. Include installation of 3 station module ESPSM6
	Irrigation Lateral Line: PVC Class 160 SDR 26 PVC Class 315 for 1/2" pipe, PVC Class 200 for 3/4" pipe, PVC Class 160 SDR 26 for 1" and above.
	Irrigation Mainline: 34" PVC Class 200 SDR 2 PVC Class 200 irrigation pipe.
	Pipe Sleeve: HDPE PE4710 DR 11 (202psi)
	Typical pipe sleeve for irrigation pipe. See chart.
C	Irrigation Controller Install 120 volt service for the clock at the location shown . Locate rain sensor at Parapet of the building according to manufacturers instructions.
SS	Control Wire Note The contractor is to install a 2" conduit from the clock to the trench of the main. The conduit shall contain all control wires and be according to the spec for sleeving.
M	The Meter shall be located by the contractor to supply the valves shown. The location is to be adjusted according to existing conditions. 1 1/2" METER and POINT OF CONNECTION TO CITY WATER 1 1/2" BACK-FLOW PREVENTER
Head 2.0	Hunter I-20-ADV, 36V Turf Rotor, 6" 25' popup, adjustable and full circle, with check valve
	RAINBIRD 1806 or 1812-PRS Turf or Shrub Spray with 6" or 12" popup with pressure regulator Radius as required to span areas shownn on the plan
Head 15ES 15CS 15SS Q	RAINBIRD 1800 SERIES 15 STRIP SERIES 15EST End 15CST Center 15SQ Square Center Strip 12" pop-up HEADS TO BE PRESSURE COMPENSATING
	RAINBIRD 570 UMBRELLA BUBBLER 1.00 gpm (0,23 m3/h; 0,06 l/s) full-circle, umbrella pattern Place on a 6 " riser, 30 psi, heads to be pressure compensating Height of heads adjusted to finish grade.

NO.	DATE	REVISION	BY
01.	5-20-25	Comments from 5-20-20	BY

NO.	DATE	REVISION	BY

PROJECT 213598
SCALE 1' = 20'
Drawn: 7-16-24
Checked: JS

j a m e s s a n t i a g o
landscape architecture and design
612 NE 14th Ave. Unit A, Fort Lauderdale, Fl. 33304
Tel. 954-560-1695
Email, Jsantiagolainc@Gmail.com

Irrigation Plan

8301 56th St
Miami, Fl.

L-2

James Santiago Digitally signed by James Santiago Date: 2025.05.21 05:47:01 -04'00'