

NE 16th Street

NOT IN SCOPE

Property Line  
Limit of WorkFlood Zone Delineation  
Impacted from Broward County GIS Digital File  
Pompano Beach Historic Dune Vegetation Line  
Per Pompano Beach Resolutions 2020-40 & 2020-127

NOT IN SCOPE

Coastal Construction Line

## LEGEND

## IRRIGATION MATERIALS LIST

KEY	ITEM	QTY.
—	PVC laterals shall be Class 200 PVC (sized as shown on plans)	as required
- - - -	MAIN shall be Class 200 PVC	as required
—	Bubbler Zone Piping	as required
—	PVC sleeves shall be Class 200 PVC (sized double the width of the pipe within, installed wherever pipe runs under hardscape)	as required
WM	Flexible PVC or Polypipe (for swing joints)	as required
WM	Water Meter and Backflow Prevention Assembly (See Civil Plans)	1
EC	Electric Controller RAINBIRD ESP Series Controller	1
△	Rainbird RSD Series Rain Sensor (locate in area of free rainfall)	1
●	RAINBIRD 200-PESB 2" Electromechanical Solenoid Control Valve	3
—	Irrigation Control Wire	as required

RAINBIRD 1300A-F Adjustable Flood Bubbler  
1300A-F (1.5 gpm)

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RAINBIRD Rotary Spray Heads 17'-24" radius  
R-VAN 24 Series @ 40 PSI  
6" pop-up in grass areas  
12" pop-up on risers in shrub beds  
24-360 (3.13 gpm)  
24 (270 ) (2.31 gpm)  
24 (180 ) (1.54 gpm)  
24 (120 ) (1.0 gpm)  
24 (90 ) (0.77 gpm)

as required

RAINBIRD Rotary Spray Heads 13'-18" radius  
R-VAN 18 Series @ 40 PSI  
6" pop-up in grass areas  
12" pop-up on risers in shrub beds  
18-360 (1.8 gpm)  
18 (270 ) (1.42 gpm)  
18-(180 ) (.98 gpm)  
18-(120 ) (.6 gpm)  
18-(90 ) (.5 gpm)

as required

RAINBIRD Rotary Spray Heads 8'-14' radius  
R-VAN 14 Series @ 40 PSI  
6" pop-up in grass areas  
12" pop-up on risers in shrub beds  
14-360 (1.22 gpm)  
14 (270 ) (.92 gpm)  
14-(180 ) (.61 gpm)  
14-(120 ) (.4 gpm)  
14-(90 ) (.31 gpm)

as required

RAINBIRD Rotary Spray Heads 8'-14' radius  
R-VAN Series Strip Nozzles @ 40 PSI  
15-sst (.48 gpm)  
15-lcs (.24 gpm)  
15-rss (.24 gpm)

as required

## LATERAL PIPE SIZING

The Contractor is responsible to properly size all laterals.  
All laterals shall be sized according to the following schedule.  
Total gallowage per pipe section shall be calculated by adding the GPM per head for every head downstream of the pipe.

## CLASS 200 PVC

## PIPE SIZING CHART

SIZE	GPM
1/2"	0-8 GPM
1"	8-14 GPM
1 1/2"	14-24 GPM
2"	24-32 GPM
2 1/2"	32-50 GPM
3"	50-75 GPM
4"	60-110 GPM
4"	110-190 GPM

## NOTES

The Contractor shall make sure that all main, valve, lateral, and head locations are coordinated with the root systems of existing and proposed trees.  
If any root systems need to be cut, all pruning work shall be accomplished under the supervision of a certified arborist.

Laterals to be coordinated during installation around the rootball of all existing trees.