






IRRIGATION LEGEND

-  Bubbler Head
-  Rain bird 6 Pop-up 1800 Series w/PCP pattern as shown
-  Rain bird Adjustable Rotary 3500 Series pattern as shown
-  Irritrol Valves
-  Rain bird Controller ESP Series/ Mini Click Rain Sensor
Water Source: City Water Meter

NOTE: Main line & valve locations are shown for graphic clarity only. All main lines & valves are to be located within landscape area's on-site. IRRIGATION NOTES:

Notes:
Automatic Irrigation System
Water demand/ zone
Pressure required (refer to plan)

GENERAL
System shall be installed in accordance with a Federal, State, and local codes, Contract drawings and Contract Specifications. Irrigation design is based on "Planting Plan" dated 01.11.16. Contractor shall refer to this plan to coordinate sprinkler locations and pipe routing with plant locations. The water source for this system shall be City Water source. The master shut-off valve shall be activated via the automatic controller, and shall be used to depressurize the zone lines when the system is not operational. Contractor shall adjust the irrigation, where noted on the plans for actual field conditions, and shall install the system in accordance with South Florida Irrigation Society Standards and specifications.

To insure proper operation of this system, pump size, pressure required, pipe and wire sizes, sprinkler spacing, installation details, and specifications shall be followed as shown on the drawings and in the specifications.

Irrigation system shall provide 100% coverage, with a 50% overlap minimum, utilizing "rust-free" water source. If a well & pump system is to be utilized, the contractor shall provide a "chemical injection system" to inhibit rust stains, if water sample testing indicates that there will be "rust" staining from the well water.

PIPING

ALL PIPING SHALL BE PURPLE PIPE FOR FUTURE AVAILABILITY OF RECLAIMED WATER

Pipe routing is schematic only, and shall be field adjusted for on-site conditions. All pipe shall be installed in accordance with local codes, and per manufactures recommendations. Pipe routed under paver surfaces, and through planter walls shall be sleeved in SCH 40 PVC. Sleeves shall be of adequate size to allow for 1/2" clearance for pipe & wire. Contractor shall verify the location, depth & size of all existing sleeves, as required. Pipe installed above grade for the backflow preventer shall be SCH 40 Galvanized pipe. All other piping shall be PVC. The main line shall be SCH 40 PVC, laterals sized from 1" to 2" shall be SDR 26, Class 160, and laterals sized from 1" to 3/4" shall be SDR 21, Class 200 PVC pipe.

Pipe shall be installed so the backfill depths are maintained at 18", for main lines and all lateral lines routed beneath pavement, and at 12" for all other lines. The depths from 1" to 2" shall be SDR 26, Class 160, and laterals sized from 1" to 3/4" shall be SDR 21, Class 200 PVC pipe. Backfill material shall be suitable material, free of rocks, stones, or other debris that could damage components of the irrigation system.

SPRINKLERS

Sprinkler locations are schematic only, and shall be adjusted for wind, landscape materials, hardscape elements, etc., to provide 100% coverage with a no overthrow onto paved surfaces, or building facades. Pop-up spray heads shall be Toro series 6", and 12" type, which are to be installed on flexible swing joints of Toro thick-walled poly pipe with 1/2" insert elbows. THERE SHALL BE NO 4" POP-UP HEADS UTILIZED FOR THE PROJECT. Shrub heads shall be installed at a uniform height of 6" above the plantings, and are to be located within planting masses so as to be concealed from view. Shrub type spray heads shall be Toro 570 series, and are to be installed on a 1/2" SCH 40 PVC risers. Bubblers are to be installed on a SCH 40 PVC risers at the base of the plant material, for low-level watering. All SCH 40 PVC risers are to be painted "Forest green", or Brown, to be less conspicuous. Toro 12" pop-up sprinklers shall be installed in ground-cover areas at the parking-lot islands, and at other critical locations, as determined in the field by the Landscape Architect.

Sprinklers located adjacent to pavement, sidewalks, decks, patios, buildings, etc., shall be installed 8" from the edge. Unless other-wise noted on the plans, pop-up sprinklers shall be installed 6" from the edge, and shrub sprinklers shall be installed 18" from the edge. Shrub risers are not to be installed at walk-way intersections, or where-ever a "trip & fall" hazard may occur. Adjustment feature of sprinklers specified shall be utilized to insure proper coverage, while minimizing undesirable overthrow. Contractor shall use precaution in locating, and setting sprinkler heads in planting areas adjacent to parking spaces to minimize the damage to sprinklers by overhanging car bumpers. Pop-up sprinklers with "low angle" nozzles shall be installed amid masses of tall shrubs, for low level watering. Contractor shall install sprinklers at optimum locations for the most effective coverage.

CONTROL SYSTEM

Rainbird control system shall be installed, per manufactures recommendations, to activate in-line valves, and the master shut-off valve. Proper grounding equipment shall be installed, for the controller. Controller location shall be approved by the Landscape Architect, and project supervisor. The irrigation contractor shall supply the controller, however the physical installation there-of, and the electrical hook-up shall be by others.

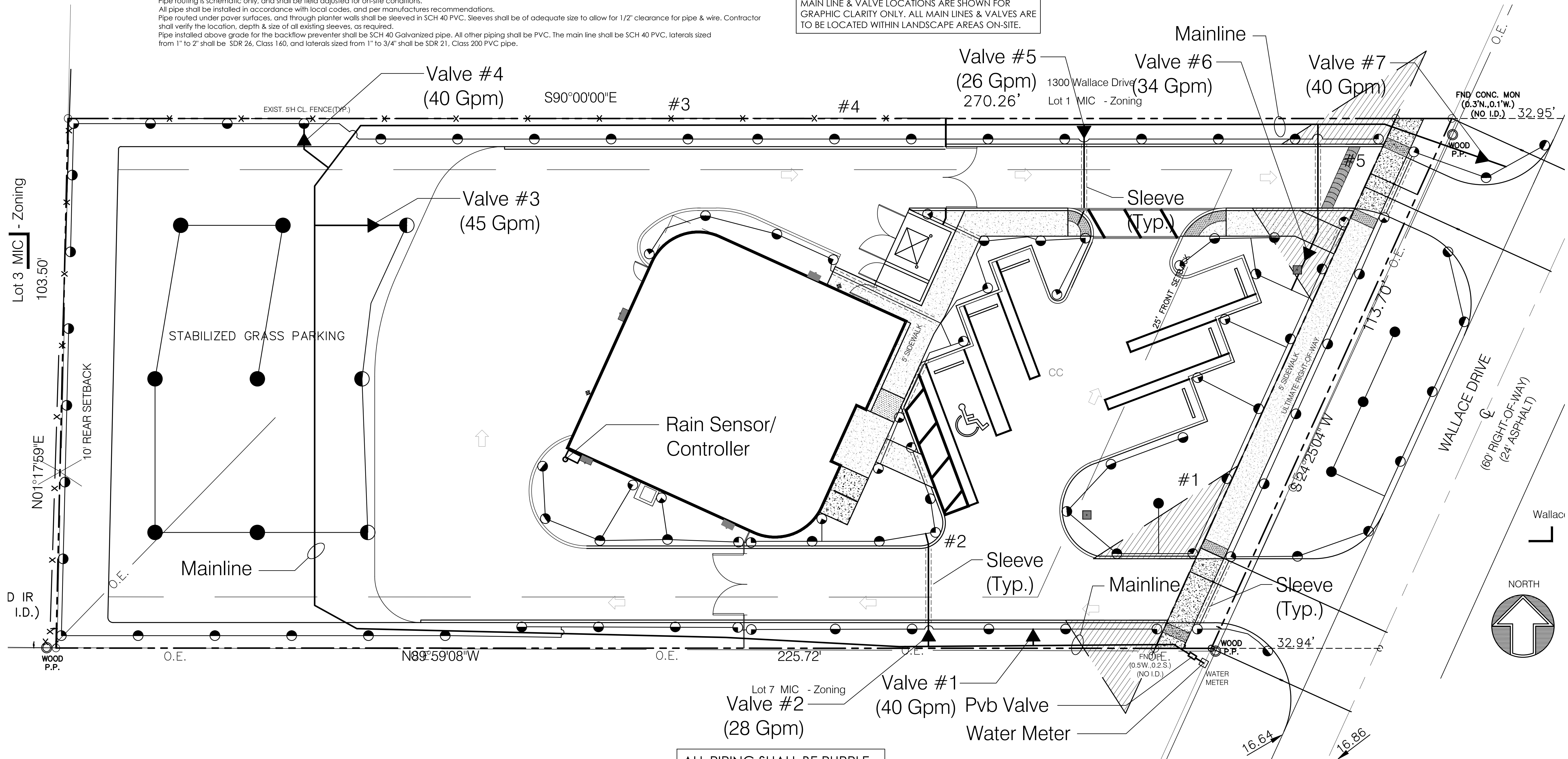
VALVES

Richardale, or approved equal, electric valves shall be installed per manufactures recommendations, and as per details. All valves are to be installed in a 10" Armetex valve box, see details.

RAIN SENSOR

Mini-click" rain sensor shall be installed, per manufactures recommendations. Rain sensor location shall be approved by the Landscape Architect.

IRRIGATION MAIN LINE NOTE:
MAIN LINE & VALVE LOCATIONS ARE SHOWN FOR GRAPHIC CLARITY ONLY. ALL MAIN LINES & VALVES ARE TO BE LOCATED WITHIN LANDSCAPE AREAS ON-SITE.



ALL PIPING SHALL BE PURPLE PIPE FOR FUTURE AVAILABILITY OF RECLAIMED WATER

Irrigation Plan

REVISIONS	BY
REVISED 7-14-15 PER REVISED SITE PLAN (CITY COMMENTS)	
REVISED 1-11-16 PER REVISED SITE PLAN	
REVISED 3-9-16 PER REVISED SITE PLAN	

DESIGNED BY:
CARTER & ASSOCIATES
LANDSCAPE ARCHITECTS INC.
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Landscape for:
Schmidt Ivestment Properties
1302 Wallace Drive, Delray Beach, Florida

DRAWN	SKP
CHECKED	D.H.C.
DATE	1.07.15
SCALE	1" = 10'
JOB NO.	1.15.15
SHEET	
L-4	
OF	6 SHEETS