






General Notes：
1．All plants noted for removal shall be removed and properly disposed off－site at Landscape Contractors
expense unless otherwise noted．Any and all the trees／palms to be removed shall require proper
2．Beforter construction begins，the Landscapece Contractor is is responsible for locating all underground utilities Contractor，the necessary repairs sust take place at the Landscape Contractor＇s expense and under the
3． $\begin{aligned} & \text { superisision of the Owner＇s representative．} \\ & \text { All proposed trees and plant materials shall be graded as Nursery Grade Florida No．} 1 \text { or better as }\end{aligned}$ outined by the Florida Department of Agriculture and Consumer Services，Division of Plant Industry ＂Grades and standards for Nursery Plants＂，most current edition．All planting shat
accordance with the Florida Nurserymen＇s and Grower＇s Association approved practices．
4．In addition to these requirements the Landscape Contractor shalion complyved with all lical landscape codes
governing agencey．
Pants shall meet size，container，and spacing specifications．Plant size shall take precedence over
container size．Any material not meeting specifications shall be removed and replaced at the contractor＇s
6．The plant list is presented for the convenience of the Landscape Contractor．In the event of a discrepancy between the plan and the plant ist，the eplan shall take precedednce over the plant ist


 Screened to remover erocks and debris larges than one－half $(1 / 2)$ inch in diameter prior to mixing．All
properties under this section shall be required to have an open landscape bed inspection prior to
backiling to insure the thirty 30 ）inch depth has been met properites under fins section shall be required to have
backfling to insure the thiry（ 30 ）inch depth has been met．
8．Al screening hedges shall be planted and maintained in a way that they form a continuous visual
screen．Screening hedges at va to be maintained at a minimum height of thirty（30）inches to thirty six
（36）inches depending on coode requirements．
9．All treesspalms and shrubs shall be fertilized with＂Agriform＂20－10－5 planting tablets as per the maneacatuers specifications at the tite of installation and prior completion of pat backifiliug also in
coniunction with note $\# 5$ ．Tablets to be placed uniformy around the root mass at a depth that is between conjunction with note $\# 5$ ．Tablets to be placed uniformly around the root mass at a depth that is between
he middle and bottom of root mass at an application rate of：One（ 1 ）－ 21 gram tablet for 1 gal container
 container，three（3）－tabets for each $1 / 2$ inch of tree caliper，and seven（7）tabets for palms．Ground
Cover areas shall receive fertilization with＂Ozmocote＂time release fertilizer as per manufacturer＇s Cover areas
specification．
10．All plant beds shall receive a 3 ＂layer of organic mulch，which is to be watered－in after installation．Mulch should be at least six（6）inches away from any portion of a structure or tree trunk and three（3）inches away from the base of shrubs． established．No dry material shall be permitted．

The Landscape Contractor shall grade planting beds，as required，to provide positive drainage and
14．Tiene Landscape Contractor shall be responsible for examining fully both the site and bid documents． Architect in writing at the time of bidding or discovery．No account shall be made after contract completion for failure by the Landscape Contractor to report such condition or for errors on the part of the Landscape Contractor at the time of bidd ding
The Landscape Contractor shall be responsil
Iicenses to perform the work sett torn in tis plar see and
．Plant material shall be bid as specified unless unavailable，at which time the Landscape Architect shall
7．All quevestions concerrining the plan set and／or specifications shall be directed to the Landscape
18．Therere shall be no additions，deletions or substitutions without written approval of the Landscape
9．The Landscape Contractor shall guarantee，in writing，plant survivability．Trees and palms for twelve
（12）month，shrubs and grouncovers for ninety（90）days and sod four sixty（60）days from final
20．All dimensions to owe field－checkered by tepresentatitive．
Discrepancies shall be reported immediately to the Landscape Architect．
21．All materials must be as specified on the landscape plan．If materials or labor do not adhere to
22．Existstape Contractor at no additional cost．
23．All existing trees on site shall be protecteded from damage during construction．See existing tree protection
fence detail． Any existing landscape and hardscape areas that are unnecessarily disturbed during the landscape
25．The Latalition shall be restored to original conditions by the Landscape Contractictor． will be responsible for the collection，removal，and proper disposal of any
26．All land debris generatated during the instalalation of this project． 27．Al shade trees installed within 6 ＇of a publicic infasastucucture shall utilize a root barrie

IRRIGATIONNOTE
All landscape areas will be provided with a fully coverage of all plants and grass．The system will allow
for head．to－head coverage（100\％coverage with $100 \%$



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general notes

- Pipe sizes shall conform to those shown on the drawings. No
substitutions of smaller pipe sizes shall be permitted, but sub of larger sires may be approved. All damaged and rejected pipe shall be

2. All mainline, lateral lIne and control wire conduit under paving shall be installed in separate sleeves. Sleeves shall be a minimum of twice (2X)
3. Install all backflow prevention devices and all piping between the
of connection and the backflow preventer as per local codes.
. Final location of the backflow preventer and automatic controller shall
4. 120 VAC electrical power source at controller location shall be provided by others. The electrical contractor shall make the
connection from the electrical source to the controller.
5. All sprinkler heads shall be set perpendicular to finish grade unless
otherwise specified.
6. The irrigation contractor shall flush and adust all sprinkler heads and
valves for optimum spray with minimal overspray onto walks, streets, valves for
walls, etc.
7. This design is diagrammatic. All piping, valves, etc., shown within paved areas is for design clanfication only and shall be installed in planting
areas wherever possible. The contractor shall locate all valves in shr areas where re possible.
8. It is the responsibility of the irrigation contractor to familiarize himself It is the responsibility of the irrigation Contractor to familiarize himself
with al grade differences, location of walls, retaining walls, structures and utilities. The rrigation contractor shall repair or replace all items
damaged by his work. He shall coord nate his work with other damaged by his work. He shall coordinate his work w th other
contractors for the location and installation of pipe sleeves thou walls, under roadways and paving, etc.
9. Do not willingly install the sprinkler system as shown on the drawings When it is obvious in the field that unknown obstructions, grade
differences or differences in the area dimensions exit that might not differences or differences in the area dimensions exit that might $n$ then
have been considered in the engmeerng. such obstructions or have been considered in the engreering. Such obstructions or
differences should be brought to the attention of the owner's
author authorized representative. In the event this notice cation is not
performed, the irrigation contractor shall assume full responsibly fo any revisions necessary.
All sprinkler equipment not otherwise detailed or specified shall be
installed as per manuvacururer's recommendations and specifications.
10. The irrigation contractor shall instal check valves on all heads in areas Where finish grade exceeds $4: 1$, where post valve shut-off draining,
the irrigation head occurs or as directed by the owners authorized the irrigation head
representative.
11. The contractor shall provide 1800 PCS (pressure compensating
screens) as necessary to reduce or eliminate overspray onto streets, Screens) as necessary to reduce or eliminate overspray onto walks or other ar
representative.
12. 
13. All remote control valves, gate valves, quick couplers, control wire and
computer cable pull points shall be metalled in approved valves boxes
with covers.

The installation devices are to be evuranteed for the period of ( 1 ) year
from the e ate of final acceptance.

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PROS -12 SPRAY HEAD
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## IRRIGATION_SCHEDULE

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\begin{aligned}
& \text { Hunter PROS-06 } 10^{\circ} \text { radius } \\
& \text { Turf Spray, 6.0" Pop-UP. Co-molded wiper seal with UV }
\end{aligned}
\]
\[
\begin{aligned}
& \text { Turf Spray, 6.0" Pop- } \\
& \text { Resistant Material. }
\end{aligned}
\]
Turf Spray, 6.O" Pop-Up. Co-molded wiper seal with UV
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Hunter PROS-06 ADJ
Turner Spray, 60' 0 Pop-UP. Co-molded wiper seal with UV
Resistant Resistant Material.
ES LOS RCS CS SS Shrub Spray, 12.0" Pop-Up
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Hunter PROS-12 8. radius
Shrub Spray, \(12.0^{\text {P Pop-UU }}\)
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Hunter PROS- \(1210^{\circ}\) radus
Shrub Spray, \(12.0^{\circ}\) Pop-U

\(\qquad\)
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Hunter PROS -12 12 rad
Shrub Spray, $12.0^{\prime \prime}$ Pop-UP.
Resistant Mate

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``` Resistant Maternal.
(6) (3) (3) (8) (38) (6) Hunter PROS-12 15 Padus
``` \(\qquad\)
\(\qquad\)
``` Shrub Spray, 12.0 O
Resistant Material.
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3030 - Valve Number - Valve Flow








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Scale: 1 inch= 20 Ft .

The L90 of the Existing PT-E is 46,000 hours. The spec sheet states that at 46,000 hours the lumen depreciation is $10 \%$ of the "brand new" light levels. I estimated that these fixtures were installed on the date on drawing "RT 11.1", which is marked 11/17/2014.
This gives a total of 2,184 days of potential run time.
Assuming 12 hours daily runtime 7 days a week, this gives a total run time of 26,208 hours.
That's approximately $56 \%$ of the 46,000 hours. Rounding up to an even $60 \%$ for dirt and other unknown factors for a total light loss factor of $6 \%$ or LLF $=0.94$


