

47

# LANDSCAPE CALCULATION FORM

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## MULTIPLE FAMILY, COMMERCIAL & INDUSTRIAL

# CITY OF DELRAY BEACH

A	TOTALLOT AREA		36.132 S.F.
8	STRUCTURES, PARKING, WALKWAYS, ORIVES, ETC.		24,650 B.F
C	TOTAL PERVIOUS LOT AREA	C + (A - B)	11,402 S.F
D	AREA OF SHRUBS AND GROUND COVERS REQUIRED	0 = (CX.30)	3,445 S.F
£	AREA OF SHRUBS AND GROUND COVERS PROVIDED		3,449 5.F
F	NATIVE VEGETATION REQUIRED	F = (DX 25)	861 S.F
6	NATIVE VEGETATION PROVIDED	TIVE VEGETATION PROVIDED 1,634	
н	TOTAL PAVED VEHICULAR USE AREA	PAVED VEHICULAR USE AREA 21,125 6	
1	TOTAL INTERIOR LANDSCAPE AREA REQUIRED	s = (н к. 10)	2,125 \$.
ł	TOTAL INTERIOR LANDSCAPE AREA PROVIDED		3,391 8.F
ĸ	TOTAL INTEROR SHADE THEES REQUIRED	K = (I / 125 S.F.)	17 TREES
L	TOTAL INTERIOR SHADE TREES PROVIDED		17 TREES
м	TOTAL LINEAR FEET SURROUNDING PARIONG OR VEHICULAR USE AREAS'		203/30 <sup>L.F</sup> 178/25
N	TOTAL NUMBER OF PERIMETER TREES REQUIRED	N = (M / 30)	TREET
		N = (M / 25) IF ADJACENT TO PROPERTY IN RESIDENTIAL USE	15
0	TOTAL NUMBER OF PERIMETER TREES PROVIDED		15 TREET
ę.	TOTAL NUMBER OF EXISTING TREES TO BE LAVED OF SITE		13 TREES
Q	TOTAL NUMBER OF NATIVE TREES REQUIRED	Q = [[K + N] X .50]	16 TREET
R	TOTAL NUMBER OF NATIVE THEES PROVIDED		24 TREES
\$	TOTAL NUMBER OF TREES ON PLAN		45 TREET

## GENERAL LANDSCAPE NOTES

- Identification to Priority at 1 or before guilty, as specified in the current
   All plan interfaced to be Francis at 1 or before guilty, as specified in the current
   All plan interfaced by the specification of the specification of
- The Plant Material Schedule included with the Plans is provided only for the landscape contractor's convenience; it shall not be construed as to conflict or predominate over the Plans.
- preforminate over the Pans. 4. In the event of disregarizeris in the quantities shown on the Pant Material ScheduleBd Form and Ibase shown on the Pane, the landscape contrador whall bit the quantity shown on the Pane. The Material ScheduleBd Form and provide a note as to the quantity shown on the Pane. 5. If a confid between the Plane and the Specializations exists, the Plans shall predominise are be considered the controlling document.
- Landscape contractor shall provide documentation of plant variety' when specified. Plants specified by Genus and Species alone shall not require.
- documentation: 7. All materials shall be installed as specified on the Plans. If material and labor do not adhere to the Details and Specifications, they will be rejected by the Landscape Architect. Rejected materials will be replaced by the landscape contractor at no additional cost.
- All necessary permits are to be provided by the installing contractor for work shown on the Plans (unless otherwise specifically stated in the Specifications or
- Hid Documents). 9. The fundacep contractor shall be responsible for verification and protection underground and overhead utilities. Plant material shown on the Plans that conflict with the utilities shall be brought to the attention of the Landscape Architect pror in installator. The General Contractor shall provide site grading to within 0.1 foot of finish
- The carter landmaps of strain provides are privately to end with 0 1 tool of the provide the landmaps of strain provides are privately to produce a positive drainage schuldren of the strain strain
- s granted by the Owner.
- All B&B trees shall have strings, twine or rope removed from the top of the basket. All flagging tape, identification tags, and other objects shall be remove from the plant material prior to calling for a Substantial Completion inspection
- Into the part meeting provids carring of a substantial Competent Inspectant. 18. Multich half be per Bahr mini-register, Sod shall be St. Augustion Forotatim. 19. Digital provide the contribution shall introduc that only operation register in the provide the contribution shall introduc that only operation register in the main structure incommendiation and supervised by licensed applications. The landscape contractor is addy responsible for the means to remove existing vegetablish and responsible to ensure that registration bios rold occur.
- 15. The landscape contractor shall keep a neat and orderly job site. Paved surfaces necessary for egress shall be kept clear of debris. Debris generated by the work shown on the Plans shall be removed from the site.
- The landscape contractor shall provide a replacement warranty for trees of one year's duration and shrub/groundcover for three month's duration from Final year's duration from Final
- Sod shall be laid with tight joints. Sodded areas shall be noted within three days after installation. Landscape contractor shall apply proper irrigation water quantilise prior to rolling to insure proper sol(hoot contact but not produce indertailors from pedeetrains.
- All questions concerning the Plans, Details, or Specifications shall be directed to the Landscape Architect, (727-343-1809).
- All Wei-Mart property damaged due to construction activities must be replaced/restored to match the existing type and quality of work and materials and is subject to Wei-Mart approval.
   Contractor is to protect existing landscape/irrigation materials.

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## FERTILIZATION SCHEDULE

VEHICULAR USE (VUA) BUFFER

ADJACENT PARCEL BUFFER (RESIDENTIAL)

(1) DAHOON HOLLY, (1) EXISTING LIVE OAK HEDGE REQUIRED AND PROVIDED

VEHICULAR USE AREA LANDSCAPE

- All plant material shall be fertilized upon installation but prior to mulching. Plant material adjacent to open bodies of water shall be mulched immediately following fertilization to reduce translocation of the granules. All plan Fertilizer shall be Scotts Osmocote 'Classic' 19-6-12 in the twelve(12) month release formulation. Contractor may use the Standard or Lo-Start mixes depending on the level of existing fertilizer from plant nursery applications.
- 3. Each cont Each containerized plant shall receive fertilization at the rates shown for each containerized plant shall receive fertilization at the rates shown for each container size. One (1) cup equals two hundred eighty (280) grams of Scotts Osmocote 'Classic' 19-6-12 fertilizer.

1 Gallon Container	15 plants per cup	
3 Gallon Container	1/4 cup	_
7 Gallon Container	1/2 cup	
15 Gallon Container	3/4 cup	-
25 Gallon Container	1-1/2 cups	
30 Gallon Container	1-3/4 cups	-
45 Gallon Container	2-1/4 cups	
65 Gallon Container	2-1/4 cups	
100 Gallon Container	3 cups	

- Each balled and burkepped plant shall receive one hall (0.5) cup of Scotts Osmocote Classic 196-12 in the twelve (12) month release formulation for caliper inch of trunk. One (1) cup equals two hundred eighty (280) grams of Osmocote Classic 196-12 tertilizer. esic' 19-6-12 in the twelve (12) month release formulation
- shall be applied to sodded or seeded areas at a rate of ten (10) pounds per one thousand (1000) square feet
- Incusand (1000) square feet. Scotto Sumocode Plarit 59-12 to the twelve (12) month release formulation shall be applied to patims at a niele of fwe (5) cups per one hundred (100) square feet Plarit 19-12 (100) square feet Plarit 19-12 (100) square feet Plarit 19-12 (100) square feet into an one or other situation of the situation of the situation of the situation the area under the ciptien of the pain.

#### OPTIONAL FERTILIZATION TECHNIQUES

- The Contractor may substitute Scotts Agriform 20-10-5 Planting Tablets Plus Minors for fertilization of trees, and large containers. The application rate shall be three (3) twenty-one (21) gram tablets per inch of caliper. Use Manufacturer's the control of the provide the second part of the s
- Competition inspection: Sodided or seeded areas over one half (0.5) acre may be fertilized (at contractor's choice) with a quick release granular fertilizer with the formulation that delivers three and one half (0.5) pounds or inforcer, on entil (0.5) pound of phosphate and one and one half (1.5) pounds of potash per one thousand (1000) square test
- Patims may be fertilized (at contractor's choice) with Florikan 8-2-12 Plus Magnesium under entire drip line of patim. The application rate to be lifteen (15) pounds per one thousand (1000) square feet.

## IRRIGATION NOTES

- An automatic irrigation system is proposed for this site. The irrigation system shall provide 100% coverage to the proposed landscape improvements.
- All proposed trees are to have a spray bubbler(s) at each tree location. The spray bubblers are to be operated on a separate zone valve from the other areas being irrigated.
- The proposed irrigation system shall have separate zones for plant material with high or low water use requirements.
- 4. The source for the irrigation system shall be a 1' potable water meter.











INC.

S. MILITARY TRAIL BEACH, FLORIDA

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0100	IRRIGATION LEGEND					
SYMBO	SYMBOL SPECIFICATION					
	HUNTER ICC2 IRRIGATION CONTROLLER 12C-800-PL (SEE GENERAL IRRIGATION NOTES FOR INSTRUCTIONS)					
HUNTER RAIN-CLIK - RAIN SENSOR						
S	WATER SOURCE: PROPOSED 1" POTABLE WATER METER					
м	ISOLATION GATE VALVE - LINE SIZE					
•	HUNTER ICV 24 VOLT REMOTE CONTROL VALVE FILTER SENTRY ON WELL WATER SYSTEMS (SEE IRRIGATION ZONE TAG FOR VALVE SIZE					
Ð	1.0' RAINBIRD XCZ-101-COM PESB-PRS-D VALVE WITH RAINBIRD 150 MESH BASKET FILTER(QKCHK-150M)					
	POINT OF CONNECTION - PVC TO DRIP TUBING					
anatana anatana an	אראב אראב אראב אראב אראב אראב אראב אראב	MAINLINE: 1 1/2' SCHEDULE 40 PVC				
		LATERAL LINE: MINIMUM 160 PSI PVC (MINIMUM PIPE SIZE TO BE 3/4")				
		RAIN BIRD #XFD-09-12 IN-LINE PRESSURE COMPENSATING DRIP TUBING (1.5 GPM/100 TUBING)				
SLEEVING: SCHEDULE 40 PVC (TWO NOMINAL SIZES LARGER THAN PIPE TO BE SL						
STATION NUMBER WWW.WEXT						
	6" POP-UP	SPRAY HEADS WITH PLASTIC RISER				
SYMBO	DL MODEL #	SYMBOL MODEL #				
	Hunter PROS-06 8F - 0.97 GPM	Hunter PROS-06 15F - 3.75 GPM				
۲	Hunter PROS-06 8H - 0.47 GPM	Hunter PROS-06 15H - 1.86 GPM				
Ø	Hunter PROS-06 8Q - 0.24 GPM	<ul> <li>Hunter PROS-06 15Q - 0.97 GPM</li> </ul>				
	Hunter PROS-06 10F - 1.59 GPM	Hunter PROS-06 ES-51565 GPM				
÷	Hunter PROS-06 10H - 0.88 GPM	Hunter PROS-06 SS-530 - 1.30 GPM				
e	Hunter PROS-06 10Q - 0.42 GPM	Hunter PROS-06 SS-918 - 1.72 GPM				
	Hunter PROS-06 12F - 2.70 GPM	Hunter PCB-50 Bubbler - 0.5 GPM				
<u>م</u>	Hunter PROS-06 12H - 1.30 GPM	SPRAY ZONES TO BE OPERATED AT 30 PSI				
A	Hunter PROS-06 12Q - 0.67 GPM					

# GENERAL IRRIGATION NOTES ITION NOTES 17. Contractor what like location and head type for each zone in the irrigation system on the invalue of the controller door. Suggested zone un time shall be indicated. All zone values shall have permanent (patication creatility aga shalled to be value corresponding to the number of the zone on the controller. 18. Control Colles and the pergramment (patication creatility aga shall be all provides to charter per week during the months April to Newments and provides to " charter per week during the months April to Newments and provides to" charter per week during the months April to Newments and provides to " universe the shart of the months April to Newments and provides to " charter per week during the months April to Newments and provides to " universe" and the shart of the months April to Newments and provides to the are never the weak during the months April to Newments and provides to " charter establishment period valencing schedule in cooperation with the charterse.

scape Contractor

19. The rain shut-off device shall be installed to meet local codes. Contractor shall locate

project site. All varing to the device shall be included in 1/2F PVC-sections conduit. 2017 [Popt-up and project relative shall be indigited in all provide shall be indigited in all provides the shall be indigited in all three heavy walked PVC IPS files pipe for the noncontrol three heavy failed in and such three PVC and PVC IPS files pipe for the noncontrol three heavy failed in and such three PVC and PVC IPS files pipe for the noncontrol three heavy failed PVC IPS files pipe for the noncontrol three heavy failed PVC IPS files pipe for the shall adjustment. All Huater 120 Reform heads whall have heavy failed PVC Device three t

swing pints. See Details to Shub Rear and 12 ponyup head applications. 20 The Contractor and adjust all heads to provide optimum. Concernge and minimise the straight optimum of the straight optimum of the straight optimum of the regulation you've to prevert maintip on the media. 24 Web coses shall be sized to accommodate installation and maintenance of zone vehicit) the box chall have as if you begin you of 12 dimensioned and the installation of the straight optimum of the straight optimum of zone vehicit) the box chall have as if you begin you of 12 dimensioned in the straight optimum of the vehicular to the straight optimum of the straight of the straight optimum of the vehicular to the straight optimum of the straight optimum of the straight optimum of the vehicular to the straight optimum of the straight optimum of the straight optimum of the vehicular to the straight optimum of the straight optimum of the straight optimum of the vehicular to the straight optimum of the straight optimum optimum of the straight optimum o

ap or the cox is no more than 1.5 inch above finish grade and set parallel to the surrounding grade.
25. All 24 Volt control wining shall be UL Listed, single strand. Type UF 600 Volt control cable. Common wires to be white AVWG #12 or larger wire. How were to be end, AWG #14 or larger wire.
Average wire.
Byrea wires to be any color wire except green, red or white, AWG #14 or larger wire.

device so that obstructions do not alter the accurate monitoring of rainfall at the project site. All wiring to the device shall be enclosed in 1/2" PVC electrical conduit

- The Contractor shall provide a fully functional irrigation system as shown on the Plans. Irrigation heads shall provide 100% coverage of the area to be irrigated.
- Hans. Impation heads shall provide 100% coverage of the area to be inguised. The source of water for the ingigation system shall be: Projected 17 potabilis water me The Contractor shall field verify the capability of the water source to defiver a minimum pressure (40 PSI) and volume (37 GPM) to operate the ingigation systems as designed. In the event of discrepancies contact the Landscape Architect prior to installation.

- entitation.
  All question concerning the Plans. Details of specifications called between the the transmission of the transmission.
  Between the plansmission of the plansmission of the plansmission of the transmission of the transmission of the plansmission of the plansmi 8. The Contractor shall be responsible for verification and protection of all underground
- and overhead utilities. 9. The Contractor shall review the Landscape Plans prior to installing the irrigatio
- 9. The Contractor that review the Landscape Plans prior to installing the ingration system. Contractor that installiation location of plans, where and the expannent with the installation locations of teres and shrubs.
   10. Are Built diswates are to be provided by the Contractor. Drawings shall be on Owner furnished base plans in that or copy or electronic versions. Contractor shall note all deviations from the ingration Plans are used in Section 28 240 of the Specializations to be installed with a minimum of 12 displan of cover, and lateral lines are to be installed with a minimum of 12 displan of cover, and lateral lines are to be installed with a minimum of 12 displan of cover.
   12. The Specialization of the Contractor (using other specializations) tabled in 19 displans to be provided by the Contractor (using otherwise specifically stated in the Contractor of all contractors).
   17. The Contractor of the Contractor (using the rest or discont the Contractor of all contractors).
   17. The Contractor of the Contractor (using the rest or discont termine).

- the specifications of table Jocurems), 13. The Contractional main provide experiating maintenance instructions and operation 14. Owner shall provide table tables to the contralise localization therm govers and provides tables to table provided by the Contractor juriness otherwise specifically stated in the Specifications or Sid Documents). Contractor shall coordinate instatiliation location of control cooks with Owner's Owner's the Contractor in the statestime inclusion of control cooks with Owner's Owner's the Contractor of the Specification of Control Cooks with Owner's Owner's the Contractor of the Specification of Control Cooks with Owner's Owner's the Specification of Control Cooks with Owner's Owner's Owner's the Specification of Control Cooks with Owner's Owner's Owner's Owner's the Specification of Control Cooks with Owner's Owner's Owner's Owner's the Specification of Control Cooks with Owner's Owner A for diggs are been been been been by any color whe exactly given, not or white, AVU, and C. Al sprices the type of the color where the color of the co presentative.
- Representative. IS When the implaint system Source is a proposed well, the well and pump locations shall be coordinated with the Owner or Owner's Representative prior to installation. voltage and plane of available oper with the local detriculuitily and the Owner prior to celeforing of the pump. Contractor shall coordinate pump ordering lag time with the implantion and landscape work schedules to ensure limits you gold value to with the implantion and landscape work schedules to ensure limits you gold value to the owner limits and plantice pump ordering lag time. the project site.
- 16. Contractor shall install an inline 120VAC-15A lightning surge protector between the Contractor strain installi an intime Lowid- Tolk injointing surge protector where the power source and the controller. Ground each controller to a 58° x7 experience ground rod with AWG #6 bare solid copper wire. A proper ground shall have 10 othms or least resistance to earth. Use of multiple ground rods may be necessary to achieve the desired resistance reading.





HEARTWOOD

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USA,

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MURPHY

5. 11/114/18 SITE PLAN REVISION

REVISIONS 4/16/18 CLIENT COMMENTS

2. 5/16/18 OFFSITE TRUCK TURNING RADIUS

. 06/25/18 SITE PLAN MODIFICATION

10/29/18 CITY REVIEW

S. MILITARY TRAIL BEACH, FLORIDA

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