

**IRRIGATION ZONES**

| SMART CONTROLLER |           |         |           |         |           |
|------------------|-----------|---------|-----------|---------|-----------|
| 1.....           | 12.81 GPM | 6.....  | 18.90 GPM | 11..... | 4.31 GPM  |
| 2.....           | 11.10 GPM | 7.....  | 17.77 GPM | 12..... | DRIP      |
| 3.....           | 18.34 GPM | 8.....  | 17.60 GPM | 13..... | 9.25 GPM  |
| 4.....           | 17.19 GPM | 9.....  | 17.61 GPM | 14..... | 13.80 GPM |
| 5.....           | 17.04 GPM | 10..... | 17.03 GPM | 15..... | 20.29 GPM |

**NOTE:**  
SEE SHEET L-2.1 FOR IRRIGATION DETAILS

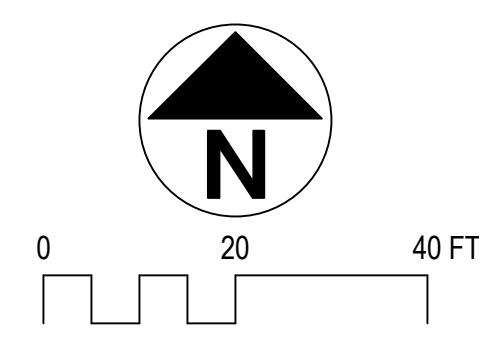
**IRRIGATION NOTES**

1. Irrigation contractor to locate and protect all underground utilities prior to digging.
2. All valves to be located in valve box with cover at grade; Locate box in grass area when possible.
3. Automatic controller and weather sensor to be located in the storage room and trash enclosure respectively; Weather Sensor to be free from obstructions and exposed to the weather.
4. 45 psi. required per rotor station, 30 psi. required per spray station, and 40 psi. required per drip station. All spray and rotor bodies to have PRS (In-stem pressure regulation) as indicated in the legend.
5. Pressure regulator required by local code if static water pressure at point of connection for site is greater than 80 psi.
6. 4" - 6" SCH 40 PVC sleeves to be located as shown on drawing. Extend sleeve 18" beyond back of curb or pavement. Sleeves to be located and exposed by the general contractor prior to start of irrigation installation.
7. Pop-up height of spray heads to be as follows: 4" in Turf Zones, 12" in Shrub Zones, and 12" in Seasonal/color beds. Rotor height to be 4". MPR Rotor Nozzle size is indicated on drawing for each rotor.
8. All pipes, automatic valves, backflow preventor, manual valve and meter to be located within property lines. Shown outside on drawing for clarity only.
9. Irrigation meter and backflow preventor to be provided by the general contractor.
10. All 1.5" mainlines (class 200 PVC pipe) to have a minimum of 18" cover.
11. All lateral and sub-main pipe to have a minimum of 12" and a maximum of 18" cover.
12. No rocks, boulders, or other extraneous materials to be used in backfilling trenches.
13. All pipe, valves, drip, spray heads, rotors, controllers, and weather sensors to be installed as per manufacturers specifications. For any questions on Rainbird products or installation of rainbird products call Donn Mann 520-904-1146
14. All threaded joints to be coated with Teflon Tape or Liquid Teflon.
15. All lines to be thoroughly flushed before installation of sprinkler heads.
16. Must use products specified on this drawing, unless otherwise approved by the Landscape Architect.
17. Irrigation contractor shall provide an as-built drawing to the landscape architect; this drawing shall be overnighted within 24 hours of completion of installation.
18. Irrigation Contractor to perform a walk-thru inspection with the Store Operator of the functioning system prior to opening but no later than one week after opening.
19. Irrigation is to be installed as shown, unless otherwise approved by the Landscape Architect.

**IRRIGATION LEGEND**

|           |   |   |
|-----------|---|---|
| <b>M</b>  | 1" IRRIGATION METER                               | PROVIDED BY THE GENERAL CONTRACTOR  |
| <b>S</b>  | 1" MANUAL SHUTOFF VALVE                           | (1 REQUIRED)  |
| <b>BF</b> | RPZ BACKFLOW PREVENTER                            | AS REQUIRED BY CITY   |
| <b>PR</b> | 1" PRESSURE REGULATOR                             | AS REQUIRED   |
| <b>EV</b> | 1" ELECTRICAL MASTER VALVE                        | (1 REQUIRED)  |
|           | LANDSCAPE DRIPLINE                                | RAINBIRD XFD-06-18  |
|           | SIDE STRIP SPRAY HEAD                             | RAINBIRD 1800-PRS-15SST   |
|           | END STRIP SPRAY HEAD                              | RAINBIRD 1800-PRS-15EST   |
|           | 360 SPRAY HEAD - 10' RADIUS                       | RAINBIRD 1800-PRS-U10F  |
|           | 180 SPRAY HEAD - 10' RADIUS                       | RAINBIRD 1800-PRS-U10H  |
|           | 90 SPRAY HEAD - 10' RADIUS                        | RAINBIRD 1800-PRS-U10Q  |
|           | HIGH EFFICIENCY VARIABLE SPRAY HEAD               | RAINBIRD 1800-PRS-HE-VAN-10   |
|           | HIGH EFFICIENCY VARIABLE SPRAY HEAD               | RAINBIRD 1800-PRS-HE-VAN-15   |
|           | 360 SPRAY HEAD - 15' RADIUS                       | RAINBIRD 1800-PRS-U15F  |
|           | 270 SPRAY HEAD - 15' RADIUS                       | RAINBIRD 1800-PRS-U15TQ   |
|           | 180 SPRAY HEAD - 15' RADIUS                       | RAINBIRD 1800-PRS-U15H  |
|           | 90 SPRAY HEAD - 15' RADIUS                        | RAINBIRD 1800-PRS-U15Q  |
|           | 360 ROTARY NOZZLE - 18" (regulated at 45psi)      | RAINBIRD 1800-PRS-R13-18F   |
|           | 180 ROTARY NOZZLE - 18" (regulated at 45psi)      | RAINBIRD 1800-PRS-R13-18H   |
|           | VARIABLE ROTARY NOZZLE - 18" (regulated at 45psi) | RAINBIRD 1800-PRS-R-VAN-1318  |
|           | 360 ROTARY NOZZLE - 23" (regulated at 45psi)      | RAINBIRD 1800-PRS-R17-24F   |
|           | 180 ROTARY NOZZLE - 23" (regulated at 45psi)      | RAINBIRD 1800-PRS-R17-24H   |
|           | VARIABLE ROTARY NOZZLE - 23" (regulated at 45psi) | RAINBIRD 1800-PRS-R-VAN-1724  |
|           | 360 MPR SERIES STREAM ROTOR                       | RAINBIRD 5000-MPR-F25/30/35 (as indicated at the head)                                |
|           | 180 MPR SERIES STREAM ROTOR                       | RAINBIRD 5000-MPR-H25/30/35 (as indicated at the head)                                |
|           | 90 MPR SERIES STREAM ROTOR                        | RAINBIRD 5000-MPR-Q25/30/35 (as indicated at the head)                                |
|           | 1" ELECTRIC VALVE                                 | RAINBIRD 100-PGA  |
|           | 1" DRIP CONTROL ZONE VALVE                        | RAINBIRD XGZ-PRB-100-COM  |
| <b>C</b>  | AUTOMATIC SMART CONTROLLER                        | RAINBIRD ESP-SMT  |
| <b>WS</b> | WEATHER SENSOR                                    | INCLUDED W/IT CONTROLLER  |
|           | CLASS 200 PVC IRRIGATION PIPE AND FITTINGS        | 1" pipe unless otherwise indicated on drawing; 1.5" mainline                          |
|           | 4" - 6" CLASS 200 PVC SLEEVE UNDER PAVEMENT       | installation of sleeves by contractor in location as shown on plan; size as indicated |

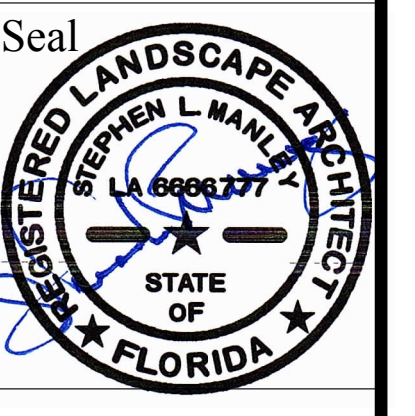
Irrigation contractor shall provide an as built drawing to the landscape architect. This drawing shall be overnighted to Manley Land Design, Inc within 24 hours of completion of installation.  
Irrigation Contractor to perform a walk-thru inspection with the Store Operator of the functioning system prior to opening but no later than one week after opening.



**Chick-fil-A**  
5200 Buffington Rd.  
Atlanta, Georgia  
30349-2998

**Revisions:**

| Mark | Date | By |
|------|------|----|
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| △    |      |    |
| △    |      |    |



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770.442.1123 fax  
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51 Old Canton Street  
Alpharetta, Georgia 30009  
manleylanddesign.com

**STORE**  
Fort Pierce

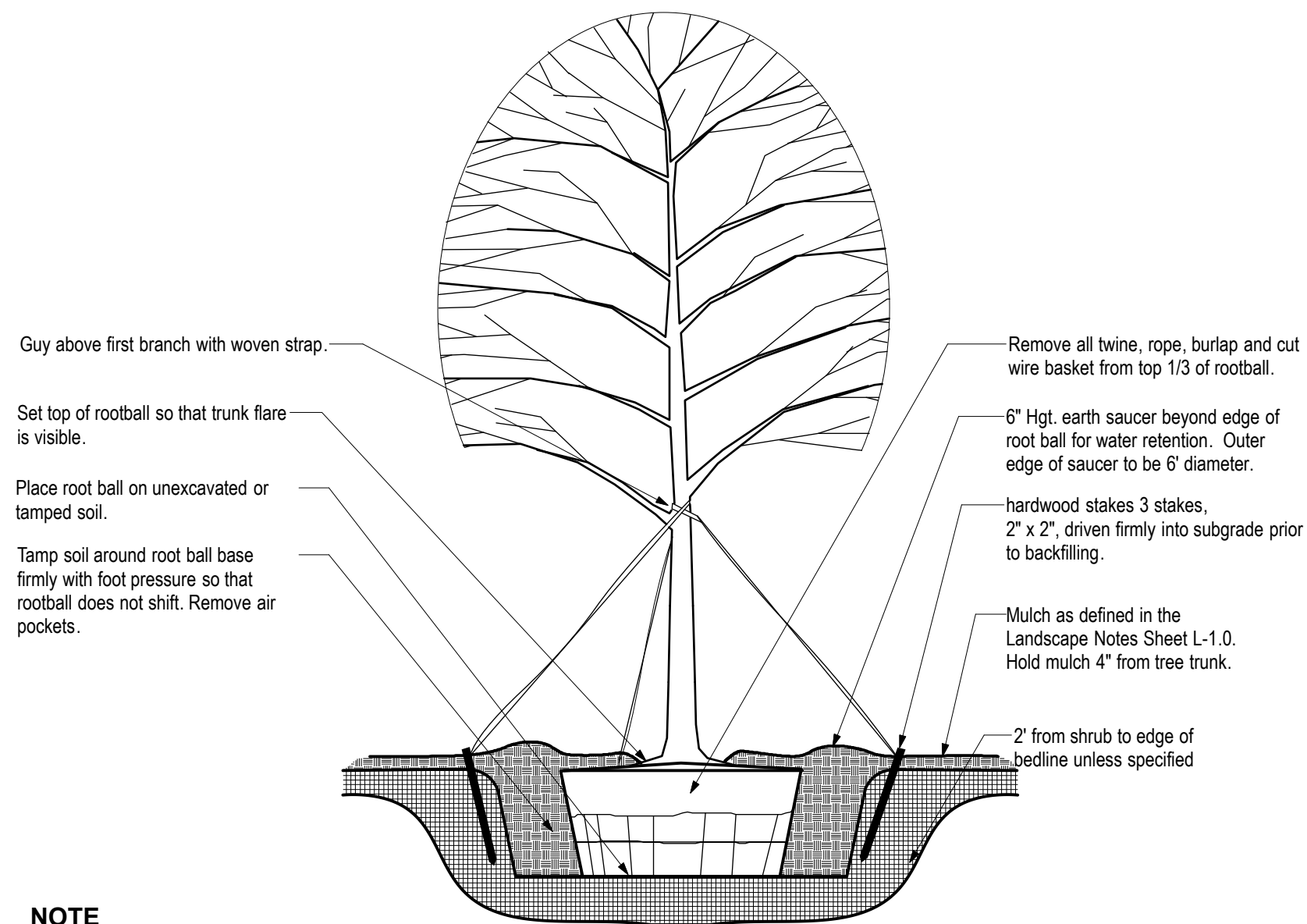
Jenkins Road & Okeechobee Rd  
Fort Pierce, FL

**SHEET TITLE**  
Irrigation Plan

**VERSION:**  
**ISSUE DATE:**

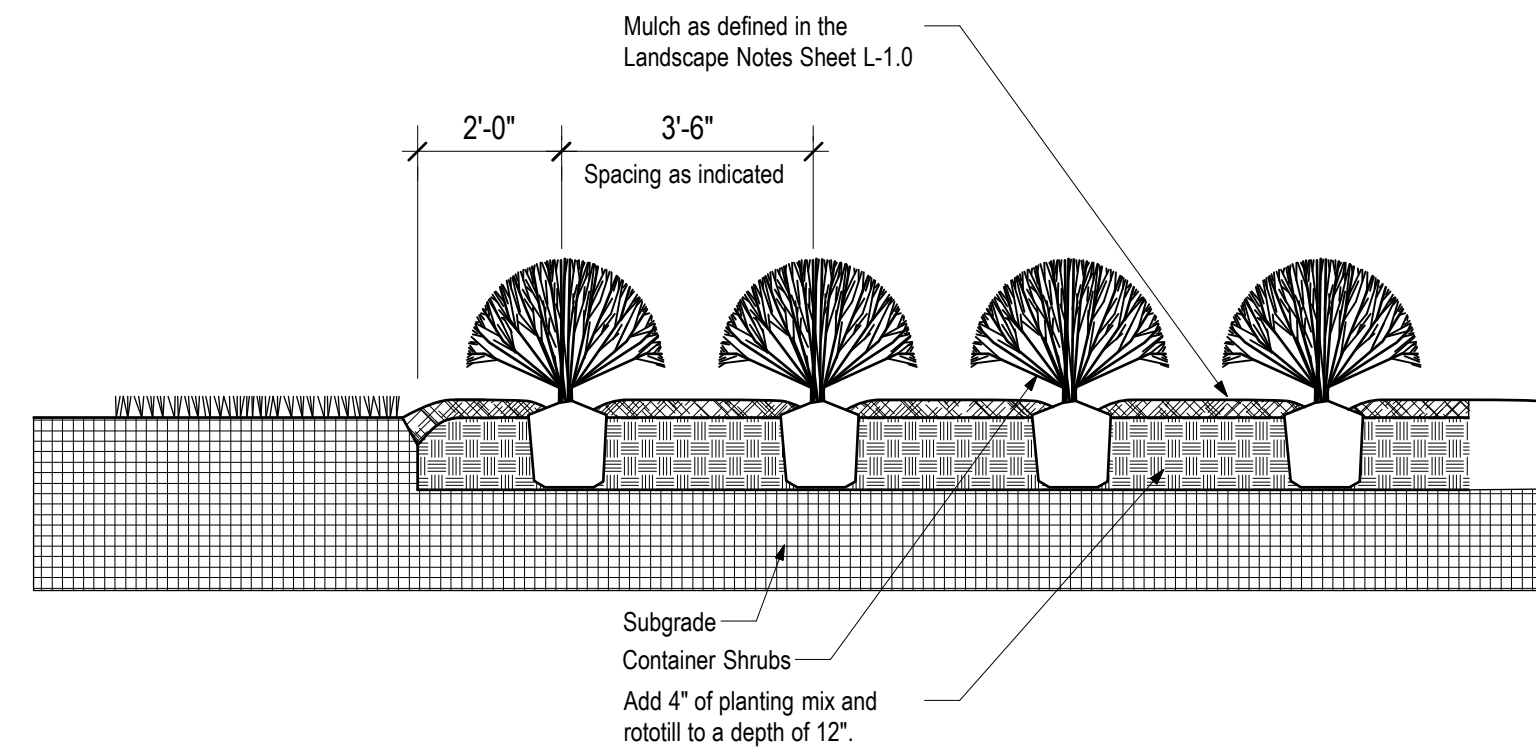
Job No. : 2017001  
Store : 3955  
Date : 1.23.17  
Drawn By : ADN  
Checked By: SLM

Sheet  
**L-2.0**

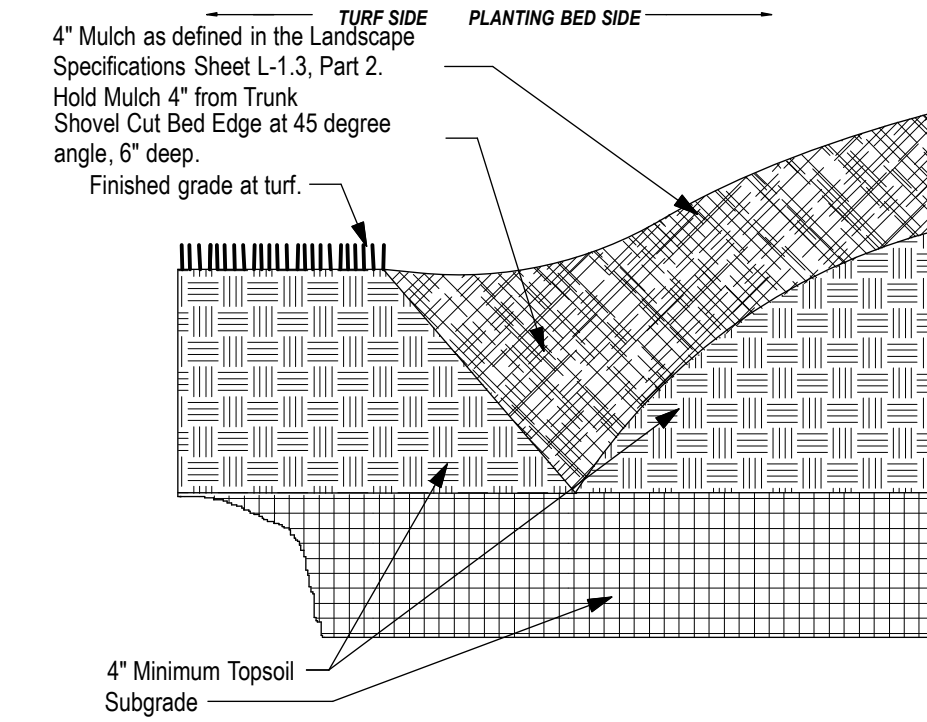


- NOTE**
- Hole to be twice the size of the rootball.
  - Do not heavily prune the tree at planting. Prune only crossover limbs and broken or dead branches; Do not remove the terminal buds of branches that extend to the edge of the crown.
  - Each tree must be planted such that the trunk flare is visible at the top of the root ball. Trees where the trunk flare is not visible shall be rejected. Do not cover the top of the rootball with soil or mulch.

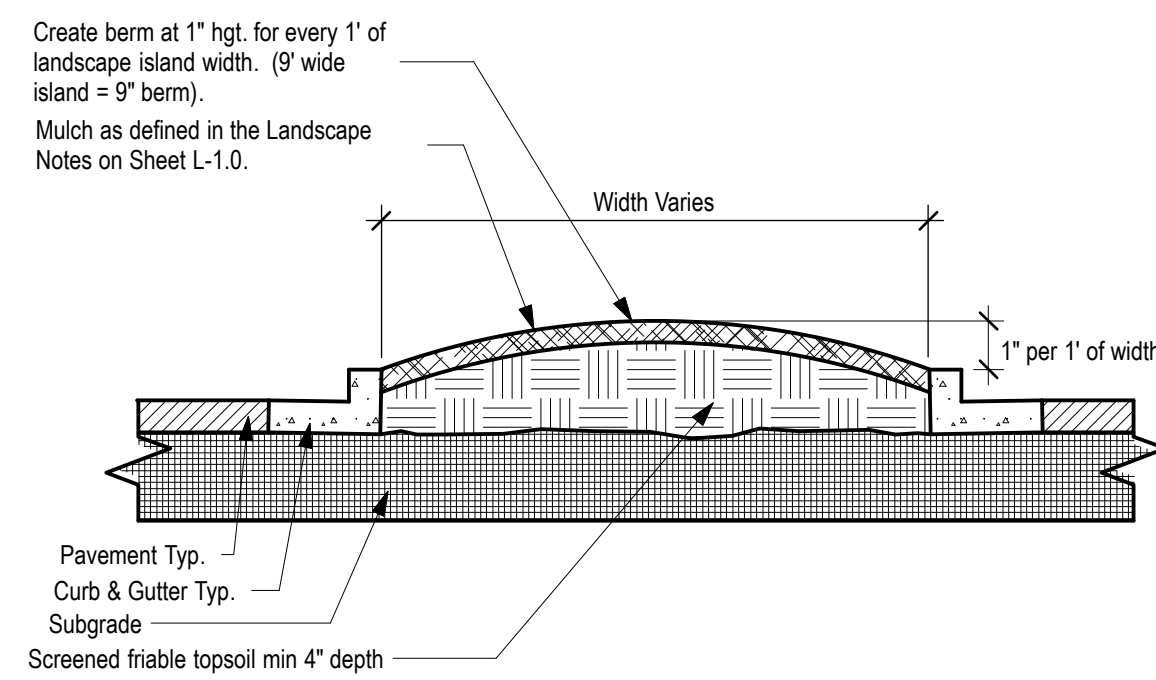
**1 TREE PLANTING & STAKING**  
SCALE: NTS



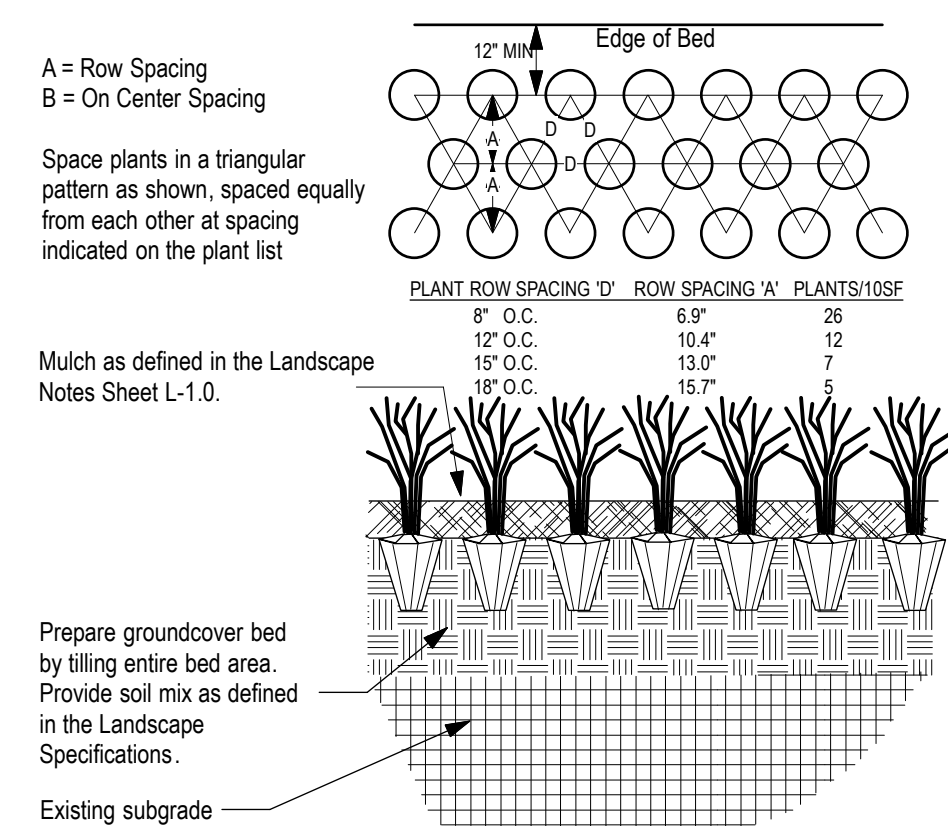
**2 SHRUB BED PLANTING DETAIL**  
SCALE: NTS



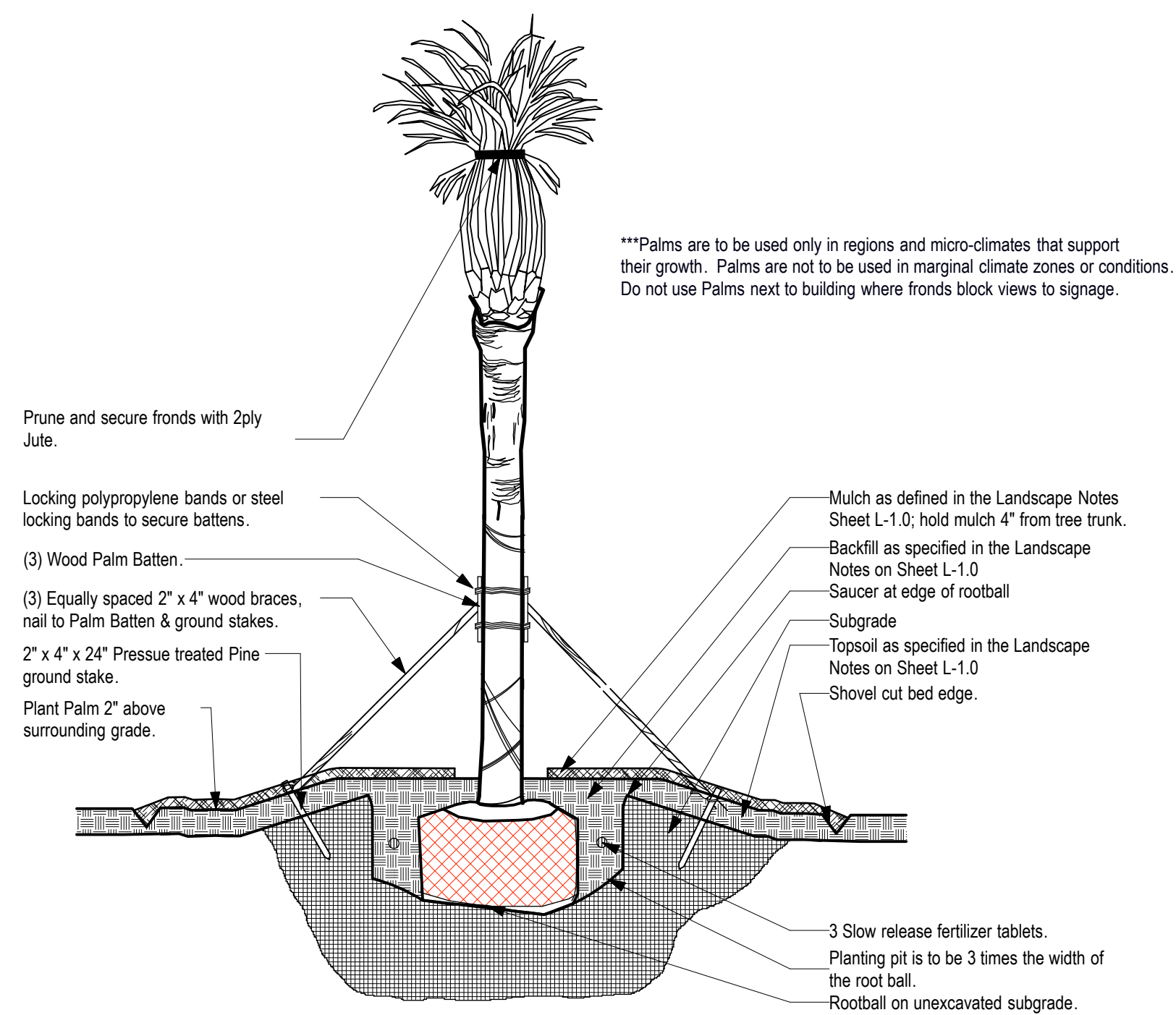
**3 "V" TRENCH BED EDGING**  
SCALE: NTS



**4 PARKING ISLAND DETAIL**  
SCALE: NTS



**5 GROUNDCOVER PLANTING DETAIL**  
SCALE: NTS



**6 PALM PLANTING & STAKING DETAIL**  
SCALE: NTS



**Chick-fil-A**  
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30349-2998

Revisions:

Mark Date By

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STORE  
Fort Pierce

Jenkins Road &  
Okeechobee Rd  
Fort Pierce, FL

SHEET TITLE  
Landscape Details

VERSION:  
ISSUE DATE:

Job No. : 2017001

Store : 3955

Date : 1.23.17

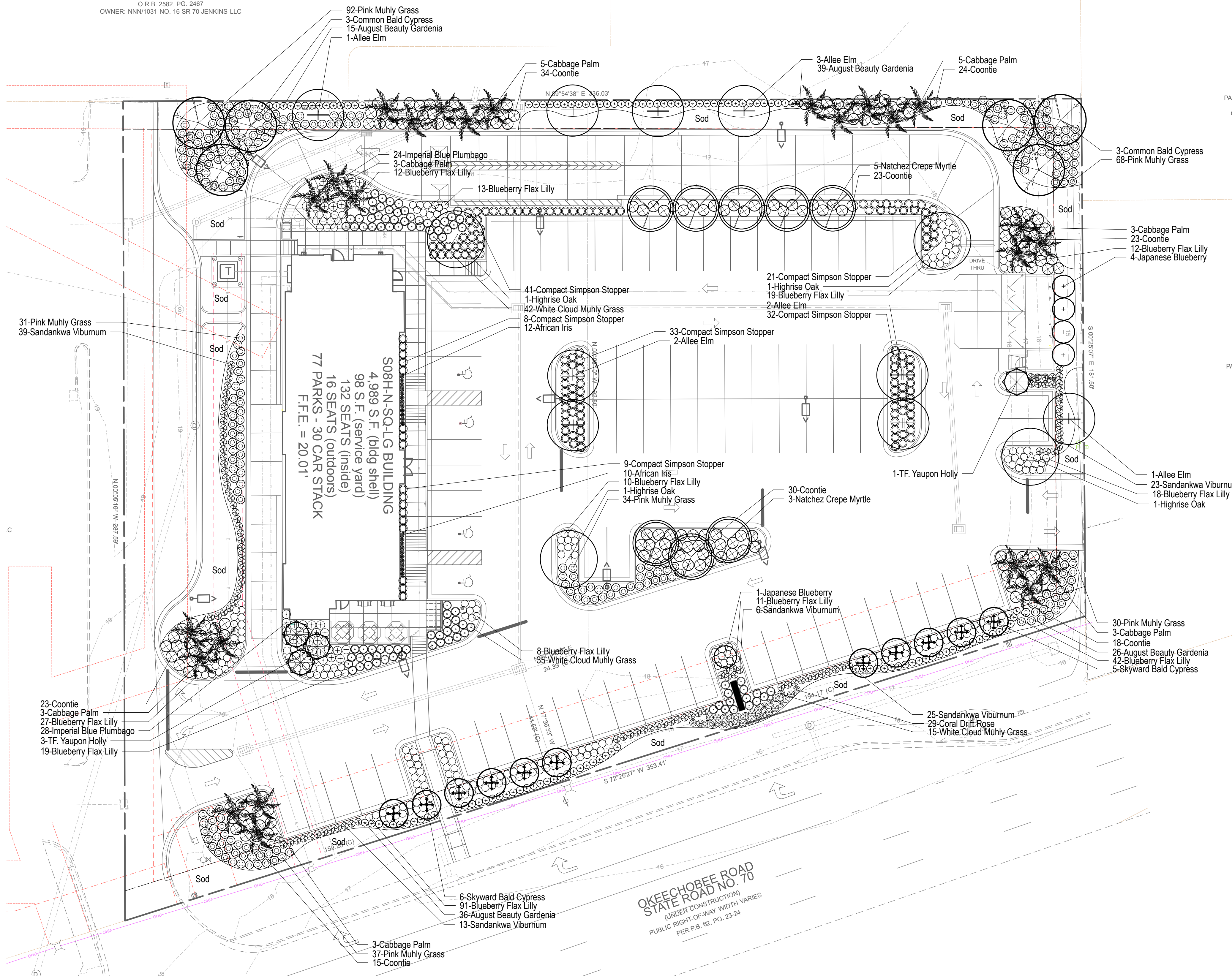
Drawn By : ADN

Checked By: SLM

Sheet

L-1.1

PARCEL: 2419-603-0003-000-4  
O.R.B. 2582, PG. 2467  
OWNER: NNN1031 NO. 16 SR 70 JENKINS LLC



**LANDSCAPE NOTES**

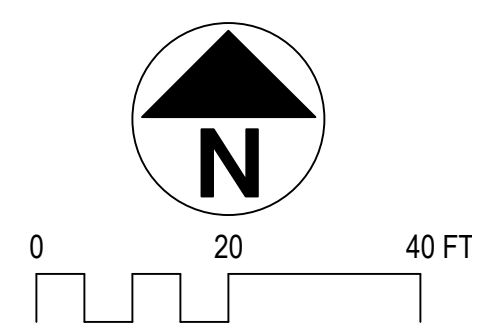
- Contractor responsible for locating and protecting all underground utilities prior to digging.
- Contractor responsible for protecting existing trees from damage during construction.
- All shrubs beds (existing and new) to be mulched with a 3 inch minimum layer of double shredded hardwood mulch.
- All annual and perennial beds to be filled to a minimum depth of 12 inches and amended with 4 inches of organic material. Much planted annual and perennial beds with 2 inch depth of mini nuggets.
- Planting holes to be dug a minimum of twice the width of the size of the root ball of both shrub and tree. Back to be a mix of 4 parts topsoil and 1 part organic soil conditioner (ie. Nature's Helper or Pro Mix). Backfill and tamp bottom of hole prior to planting so top of root ball does not settle below surrounding grade.
- Existing grass in proposed planting areas to be killed and removed and area to be hand raked to remove all rocks and debris larger than 1 inch in diameter prior to planting shrubs.
- Any existing grass disturbed during construction to be fully removed, regraded and replaced. All tire marks and indentions to be repaired.
- Soil to be tested to determine fertilizer and lime requirements and distributed prior to laying sod.
- Sod to be delivered fresh (Cut less than 24 hours prior to arriving on site), laid immediately, rolled, and watered thoroughly immediately after planting. Edge of sod is to be "V" trenched.
- All changes to design or plant substitutions are to be authorized by the Landscape Architect.
- All landscaping shall be installed in conformance with ANSI Z60.1 the "American Standard for Nursery Stock" and the accepted standards of the American Association of Nurserymen.
- The Landscape Contractor shall guarantee all plants installed for one full year from date of acceptance by the owner. All plants shall be alive and at a vigorous rate of growth at the end of the guarantee period. The Landscape Contractor shall not be responsible for acts of God or vandalism.
- Any plant that is determined dead, in an unhealthy or unsightly condition, lost its shape due to dead branches or other symptoms of poor, non-vigorous growth shall be replaced by the Landscape Contractor.
- General Contractor is responsible for adding a min of 4" of clean friable topsoil in all planting beds and all grassed areas. Graded areas to be held down the appropriate elevation to account for topsoil. See specifications for required topsoil characteristics.
- General Contractor to mound all parking islands 6" - 10" w/lt clean friable topsoil.
- Prior to beginning work, the Landscape Contractor shall inspect the subgrade, general site conditions, verify elevations, utility locations, irrigation, approve topsoil provided by General Contractor and observe the site conditions under which the work is to be done. Notify General Contractor of any unsatisfactory conditions, and work shall not proceed until such conditions have been corrected and are acceptable to the Landscape Contractor.
- Stake all evergreen and deciduous trees as shown in the details this sheet.
- Remove all stakes and guying from all trees after one year from planting.
- Water thoroughly twice in first 24 hours and apply mulch immediately.
- Site to be 100% irrigated in all planting beds and grass area by an automatic underground irrigation system. See Irrigation Plan 1.2.0 for design.
- All tree protection devices to be installed prior to the start of land disturbance, and maintained until final landscaping.
- All tree protection areas to be protected from sedimentation.
- All tree protection fencing to be inspected daily, and repaired or replaced as needed.
- No parking, storage or other construction activities are to occur within tree protection areas.

**PLANT LIST**

| Qty                 | Botanical Name                        | Common Name                    | Scheduled Size    | Remarks               |
|---------------------|---------------------------------------|--------------------------------|-------------------|-----------------------|
| <b>Trees</b>        |                                       |                                |                   |                       |
| 5                   | Elaeocarpus decipiens                 | Japanese Blueberry             | 12' Hgt           | B & B; Full To Ground |
| 4                   | Ilex Vomitoria                        | Tree Form Yaupon Holly         | 12' Hgt           | B & B; Multi-trunked  |
| 8                   | Lagerstroemia indica 'Natchez'        | Natchez Crepe Myrtle           | 12' Hgt           | B & B; Multi-trunked  |
| 4                   | Quercus virginiana 'QV7IA'            | Highrise Oak                   | 2.5' Dia; 12' Hgt | B & B; 5' CT          |
| 25                  | Sabal palmetto                        | Cabbage Palm                   | 10'-14' CT        | CT as shown           |
| 6                   | Taxodium distichum                    | Common Bald Cypress            | 2.5' Dia; 12' Hgt | B & B; 5' CT          |
| 11                  | Taxodium distichum 'Skyward'          | Lindsey's Skyward Bald Cypress | 2.5' Dia; 12' Hgt | B & B; 5' CT          |
| 9                   | Ulmus parvifolia 'Allee'              | Allee Elm                      | 2.5' Dia; 12' Hgt | B & B; 5' CT          |
| <b>Shrubs</b>       |                                       |                                |                   |                       |
| 116                 | Gardenia jasminoides 'August Beauty'  | August Beauty Gardenia         | Min. 24" Hgt.     | Min. 24" OC.          |
| 292                 | Muhlenbergia capillaris               | Pink Muhly Grass               | 3 Gal.            |                       |
| 92                  | Muhlenbergia capillaris 'White Cloud' | White Cloud Muhly Grass        | 3 Gal.            |                       |
| 144                 | Myrcianthes fragrans 'Compacta'       | Compact Simpson Stopper        | 3 Gal.            |                       |
| 52                  | Plumbago auriculata 'Imperial Blue'   | Imperial Blue Plumbago         | 3 Gal.            |                       |
| 106                 | Viburnum suspensum                    | Sandankwa Viburnum             | Min. 24" Hgt.     | Min. 24" OC.          |
| 190                 | Zamia pumila                          | Coontie                        | 3 Gal.            |                       |
| <b>Groundcovers</b> |                                       |                                |                   |                       |
| 282                 | Dianella tasmanica                    | Blueberry Flax Lilly           | 1 Gal.            |                       |
| 22                  | Dietes indidoides                     | African Iris                   | 1 Gal.            |                       |
| 29                  | Rosa 'Meijoccos'                      | Coral Drift Rose               | 3 Gal.            |                       |

**LANDSCAPE REQUIREMENTS**

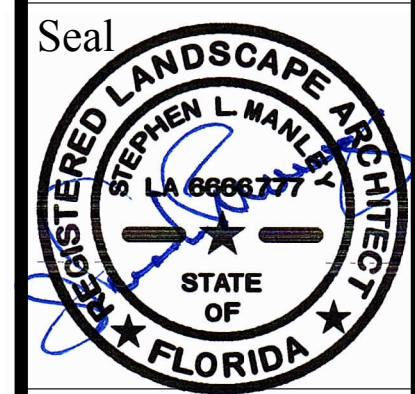
- a. LANDSCAPE STRIPS**
- REQUIRED**
- A min. 10' landscape strip is required when the VUA abuts a ROW.
  - 1 tree per 300 SF of required landscape area; A continuous hedge is also required.  
Okeechobee Rd: 331' x 10' = 3310 SF / 300 = 11 Trees
  - A min. 10' landscape is required when the VUA abuts other property.
  - 1 tree per 200 SF of required landscape area  
West: joint drive (no strip required) = 17 Trees  
North: 336' x 10' = 3360 SF / 200 = 17 Trees  
East: 154' x 10' = 1540 SF / 200 = 8 Trees
- PROVIDED**
- 10' landscape strip provided
  - Okeechobee Rd: (powerlines present) 11 Skyward Bald Cypress
  - 10' landscape strip provided
  - North: (17 total trees) 3 Bald Cypress, 4 Elm, 10 Palm  
East: (8 total trees) 3 Bald Cypress, 4 Japanese Blueberry, 1 Elm
- b. INTERIOR LANDSCAPE**
- REQUIRED**
- A min. 1 SF of interior landscape area is required per 15 SF of VUA.  
50,373 SF (VUA) / 15 SF = 3,358 SF
  - Parking islands min. 100 SF
  - 1 tree per 100 SF of required landscape area  
3,358 SF / 100 = 34 Trees
- PROVIDED**
- 11,205 SF provided
  - Parking island meet size requirement
  - 36 total parking lot trees: 4 Elm, 4 Oak, 15 Palm, 5 TF Yaupon Holly, 8 Crepe Myrtle



**Chick-fil-A**  
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Fort Pierce, FL

**SHEET TITLE**  
Landscape Plan

**VERSION:**  
**ISSUE DATE:**

Job No. : 2017001  
Store : 3955  
Date : 1.23.17  
Drawn By : ADN  
Checked By: SLM

Sheet

**L-1.0**