



**SCHMIDT  
NICHOLS**  
LANDSCAPE ARCHITECTURE  
AND URBAN PLANNING

1551 N. Flagler Dr, Ste 102  
West Palm Beach, FL 33401  
Phone: 561.684.6141  
Email: info@snlandplan.com  
Website: www.snlandplan.com  
License No: LC26000232

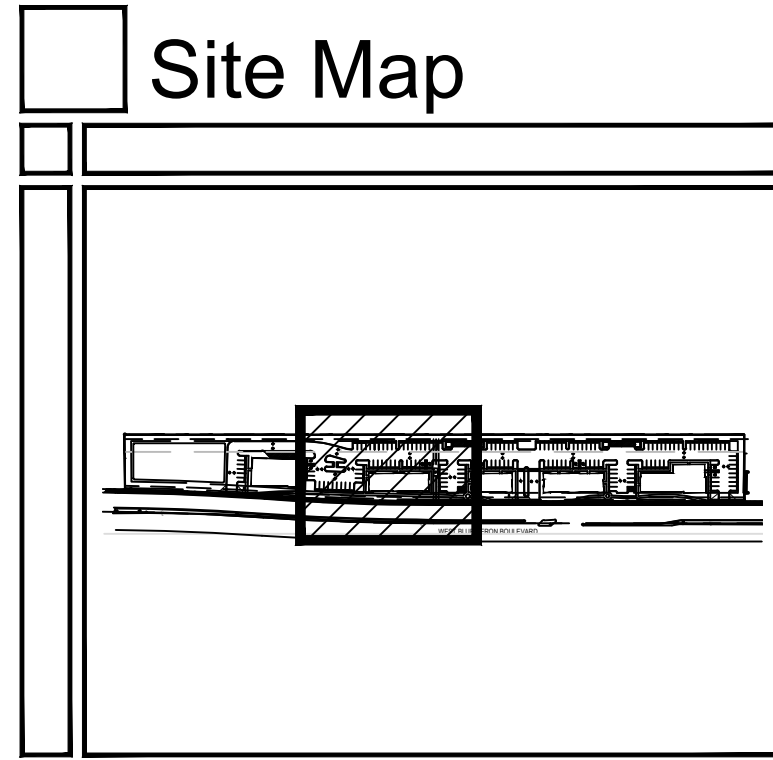
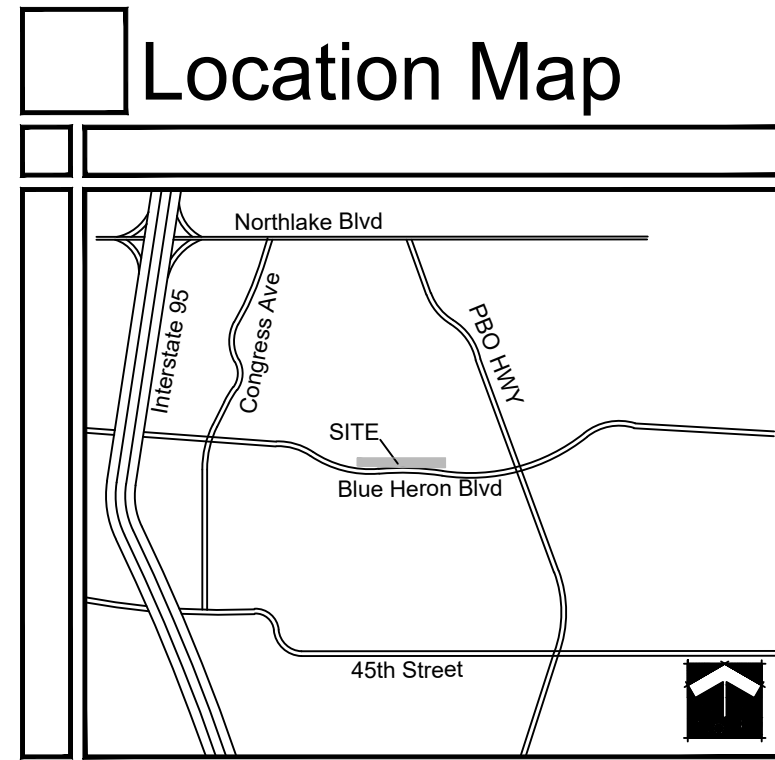
# Blue Heron Commercial

The City of Rivera Beach, Florida

Date: 06/11/18  
Scale: 1" = 20'-0"  
Design By: MLD  
Drawn By: MLD  
Checked By: JES  
File No: 852.01  
Job No: 17-82

REVISIONS / SUBMISSIONS

## Landscape Plan



### Plant List

| TREES         | CODE      | QTY                                                                                                                                     | BOTANICAL NAME / COMMON NAME | CALIPER    | HEIGHT   | SPREAD     | CLEAR TRUNK |
|---------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------|----------|------------|-------------|
| BO            | 2         | Bauhinia blakeana / Hong Kong Orchid Tree<br>Single Straight Trunk, No Low Croch, Min. 5' CT                                            | 2.5" DBH                     | 12'        | 5'       | 6' Min.    |             |
| BS            | 31        | Bursera simaruba / Gumbo Limbo*<br>Single Straight Trunk, No Low Croch                                                                  | 2.5" DBH                     | 12'        | 5'       | 6' CT      |             |
| CL            | 36        | Clusia rosea / Autograph Tree*<br>Standard Form, Matched                                                                                | 2.5" DBH                     | 12'        | 5'       | 6' Min.    |             |
| CE            | 6         | Conocarpus erectus / Green Button Wood*<br>Single Straight Trunk, No Low Croch                                                          | 2.5" DBH                     | 12'        | 5'       | 6' Min.    |             |
| CS            | 30        | Conocarpus erectus sericeus / Silver Button Wood*<br>Single Straight Trunk                                                              | 2.5" DBH                     | 12'        | 5'       | 6' Min.    |             |
| CO            | 28        | Cordia sebestena / Orange Geiger Tree*<br>Single Straight Trunk, Matched                                                                | 1.5" DBH                     | 10'        | 5'       | 5' Min.    |             |
| LI2           | 30        | Lagerstroemia indica / Natchez / Natchez Grape Myrtle*<br>Single Straight Trunk                                                         | 2.5" DBH                     | 12'        | 5'       | 6' Min.    |             |
| LA            | 25        | Lagerstroemia / Acoma / Acoma Grape Myrtle Multi-Trunk<br>Multi-Trunk, Full Spread, Matched                                             | 1.5" DBH                     | 10'        | 5'       | 5'         |             |
| QV            | 16        | Quercus virginiana / Southern Live Oak*<br>Single Straight Trunk, Min. 5' CT, No Low Croch                                              | 2.5" DBH                     | 12'        | 5'       | 6' Min.    |             |
| RR            | 6         | Roystonia regia / Royal Palm*<br>Matched, No Scared Trunks, Full Heads                                                                  | N/A                          | 14' GW     | 15'      | 14' GW     |             |
| SP            | 28        | Sabal palmetto / Sabal Palm*<br>Slack Trunks, Hurricane Cut, Stagger Heights 4' in Groups                                               | N/A                          | 12'-20' CT | N/A      | 12'-20' CT |             |
| TH            | 10        | Tabebuia heterophylla / Pink Tabebuia*<br>Single Straight Trunk, No Low Croch                                                           | 2.5" DBH                     | 12'        | 5'       | 6' Min.    |             |
| VM            | 15        | Vellichia montgomeryana / Montgomery Palm*<br>Single Trunk, No Scared Trunks, Matched                                                   | N/A                          | 12' CT     | 12'      | 12' CT     |             |
| VM2           | 24        | Vellichia montgomeryana / Montgomery Palm* Double Trunk*<br>Double Trunk, No Scared Trunks, Matched                                     | N/A                          | 14' CT     | 15'      | 14' CT     |             |
| SHRUBS        | CODE      | QTY                                                                                                                                     | BOTANICAL NAME / COMMON NAME | HEIGHT     | SPREAD   | SPACING    |             |
| CHC           | 101       | Chamaedorea caroliniana / Cal Palm*<br>Full, Matched, Large Shrubs in Buffer                                                            | 36"                          | 36"        | 48" O.C. |            |             |
| CHI           | 327       | Chrysolepis caco / Coco Palm*<br>Full To Base, Medium Shrubs in Buffer                                                                  | 24"                          | 24"        | 24" O.C. |            |             |
| CLG           | 847       | Clusia gaffera / Small-Leaf Clusia*<br>Full To Base                                                                                     | 24"                          | 24"        | 24" O.C. |            |             |
| CS3           | 58        | Conocarpus erectus sericeus / Silver Button Wood<br>Full To Base                                                                        | 36"                          | 24"        | 36" O.C. |            |             |
| CRA           | 58        | Citrus augustum / Green Citrus Lily*<br>Full, Medium Shrubs in Buffer                                                                   | 24"                          | 36"        | 48" O.C. |            |             |
| CAQ           | 37        | Citrus augustum / Queen Emma* / Queen Emma Citrusum<br>Full, Large Shrubs in Buffer                                                     | 36"                          | 36"        | 48" O.C. |            |             |
| HRS           | 53        | Hibiscus rosa-sinensis / Red / Red Hibiscus*<br>Full, Medium Shrubs in Buffer                                                           | 24"                          | 24"        | 48" O.C. |            |             |
| MYF           | 176       | Myrciantha fragrans / Simpson's Stopper*<br>Full To Base                                                                                | 36"                          | 30"        | 24" O.C. |            |             |
| PHI           | 63        | Philodendron sellowii / Sellow<br>Full, Large Shrubs in Buffer                                                                          | 36"                          | 24"        | 48" O.C. |            |             |
| PM1           | 119       | Podocarpus macrophyllus / Maki / Maki Podocarpus*<br>Full To Base, Small Shrubs in Buffer                                               | 18"                          | 12"        | 18" O.C. |            |             |
| PM3           | 183       | Podocarpus macrophyllus / Maki / Maki Podocarpus*<br>Full To Base, Large Shrubs in Buffer                                               | 30"                          | 24"        | 24" O.C. |            |             |
| SRG           | 23        | Strelitzia reginae / Orange Bird Of Paradise<br>Full, Large Shrubs in Buffer                                                            | 36"                          | 24"        | 48" O.C. |            |             |
| TRF           | 266       | Tripsacum rotundum / Dwarf Fakahatchee Grass*<br>Full, Medium Shrubs in Buffer                                                          | 24"                          | 24"        | 30" O.C. |            |             |
| SHRUB AREAS   | CODE      | QTY                                                                                                                                     | BOTANICAL NAME / COMMON NAME | HEIGHT     | SPREAD   | SPACING    |             |
| GAG           | 165       | Calyptranthes glauca / Thymalia*<br>Full, Small Shrubs in Buffer                                                                        | 18"                          | 14"        | 24" O.C. |            |             |
| HPC           | 1,328     | Hamelia patens / Compacta / Dwarf Firebush*<br>Full, Small Shrubs in Buffer                                                             | 18"                          | 18"        | 24" O.C. |            |             |
| JAV           | 408       | Jasminum volatile / Wax Jasmine*<br>Full, Small Shrubs in Buffer                                                                        | 18"                          | 14"        | 18" O.C. |            |             |
| PIB           | 165       | Plumbago auriculata / Imperial Blue / Imperial Blue Plumbago*<br>Full, Small Shrubs in Buffer                                           | 18"                          | 18"        | 18" O.C. |            |             |
| TR2           | 1,447     | Tripsacum rotundum / Dwarf Fakahatchee Grass*<br>Full To Base                                                                           | 24"                          | 18"        | 30" O.C. |            |             |
| GROUND COVERS | CODE      | QTY                                                                                                                                     | BOTANICAL NAME / COMMON NAME | HEIGHT     | SPREAD   | SPACING    |             |
| FMG           | 1,869     | Ficus microcarpa / Green Island / Green Island Ficus*<br>Full To Base                                                                   | 12"                          | 12"        | 18" O.C. |            |             |
| IVS           | 74        | Ilex vomitoria / Schillings / Schillings Holly*<br>Full To Base                                                                         | 12"                          | 12"        | 18" O.C. |            |             |
| LEG           | 2,877     | Liriodendron muscari / Evergreen Giant* / Evergreen Giant Liriodendron<br>Full, Groundcover in Buffer                                   | 6"                           | 6"         | 6" O.C.  |            |             |
| SOD B         | 18,923 sf | Paspalum notatum / Bahia Grass<br>Solid Sod, Stagger Seams, Field Verify Sod Areas Prior To Bid, Sod All Disturbed Areas                | N/A                          | N/A        | N/A      |            |             |
| PPR           | 697       | Podocarpus macrophyllus / Pringles / Dwarf Podocarpus<br>Full                                                                           | 8"                           | 8"         | 18" O.C. |            |             |
| SOD A         | 18,652 sf | Stenotaphrum secundatum / St. Augustine Grass<br>Solid Sod, Stagger Seams, Field Verify Sod Areas Prior To Bid, Sod All Disturbed Areas | N/A                          | N/A        | N/A      |            |             |
| TAM           | 4,214     | Trachelospermum asiaticum / Minima / Minima Jasmine*<br>Trailing                                                                        | 6"                           | 4"         | 14" O.C. |            |             |

### Landscape Requirements

| Category                                                                                       | Requirement        | No. Required     | No. Provided     |
|------------------------------------------------------------------------------------------------|--------------------|------------------|------------------|
| Trees:                                                                                         |                    |                  |                  |
| North Property Line                                                                            | 1438'              | 20 I.F.          | 72               |
| South Property Line                                                                            | 1437'              | 20 I.F.          | 72               |
| East Property Line                                                                             | 155'               | 20 I.F.          | 8                |
| West Property Line                                                                             | 129'               | 20 I.F.          | 7                |
| <b>TOTAL BUFFER TREES</b>                                                                      |                    | <b>159</b>       | <b>159</b>       |
| Hedge:                                                                                         |                    |                  |                  |
| North Property Line                                                                            | 1438'              | Hedge            | 717              |
| East Property Line                                                                             | 155'               | Hedge            | 71               |
| West Property Line                                                                             | 129'               | Hedge            | 59               |
| <b>TOTAL HEDGE</b>                                                                             |                    | <b>847</b>       | <b>847</b>       |
| South ROW:                                                                                     |                    |                  |                  |
| Large Shrubs                                                                                   | 1437'              | 48" o.c. Max.    | 360              |
| Medium Shrubs                                                                                  | 1437'              | 48" o.c. Max.    | 360              |
| Small Shrubs                                                                                   | 1437'              | 24" o.c. Max.    | 719              |
| Groundcover                                                                                    | 1437'              | 6" o.c. Max.     | 2874             |
| <b>TOTAL GROUND COVER</b>                                                                      |                    | <b>4313</b>      | <b>4333</b>      |
| Category                                                                                       | Requirement        | No. Required     | No. Provided     |
| Landscape Area (Net Site: 195,007 sf)*                                                         | 20% Site           | 39,001 sf        | 46,163 sf        |
| Add. Landscape Area (11 Addit. Parking Spaces)                                                 | 10 sf / Space      | 110 sf           | 110 sf           |
| <b>TOTAL LANDSCAPE AREA</b>                                                                    |                    | <b>39,111 sf</b> | <b>46,273 sf</b> |
| Sod Area (39,111 sf Landscape Area)                                                            | 50% Max.           | 19,556 sf Max    | 18,652 sf        |
| Interior Landscape Area (Total Required: 39,111 sf)                                            | 50% of Required    | 19,556 sf        | 21,667 sf        |
| Category                                                                                       | Requirement        | No. Required     | No. Provided     |
| Terminal Island Trees (38 Islands)                                                             | 1/Island           | 38               | 38               |
| Interior Island Trees (7 Islands)                                                              | 1/Island           | 7                | 7                |
| Foundation Trees (Adjacent to VUA only)                                                        |                    |                  |                  |
| Building A (243 If)                                                                            | 1/20 If            | 12               | 12               |
| Building B (232 If)                                                                            | 1/20 If            | 12               | 12               |
| Building C (191 If)                                                                            | 1/20 If            | 10               | 10               |
| Building D (238 If)                                                                            | 1/20 If            | 12               | 12               |
| Building E (282 If)                                                                            | 1/20 If            | 14               | 14               |
| <b>TOTAL INTERIOR TREES</b>                                                                    |                    | <b>105</b>       | <b>105</b>       |
| Category                                                                                       | Requirement        | No. Required     | No. Provided     |
| Overall Site Trees (Net Site: 195,007 sf)*<br>(INCLUDES TREES COUNTED FOR BUFFER AND INTERIOR) | 1/1500 sf          | 130              | 130              |
| Category                                                                                       | Requirement        | No. Required     | No. Provided     |
| Native Shade Trees (264 Trees Required)                                                        | 60%                | 158              | 238              |
| Native Accent Trees (264 Trees Required)                                                       | 10%                | 26               | 26               |
| Overall Native Plant Material                                                                  | 70%                | 3887             | 4712             |
| Palm Trees (264 Trees Required)                                                                | 20% Max.           | 52               | 52+              |
| Tree Species Variation                                                                         | 85% Max. 1 Species | 172 Max.         | 39 Max.          |
| Shade Tree Species Mix                                                                         | 6 species          | 6                | 11               |

\* Site Area 213,900 sf  
Less out Detention -18,893 sf  
Net Site Area 195,007 sf  
+ Additional 15 Above Code  
Max. not Counted for Credit

### Landscape Notes

- Landscape in right-of-way buffers shall be installed on the exterior side of walls or fences.
- Walls & fences shall be setback a min. of 10' from the ultimate R-O-W.
- FDOT Type D or F curb shall be provided along the perimeter of all landscape, open space, drainage and grassed areas adjacent to paved vehicular use areas, except where wheel stops are provided.
- Safe sight triangles shall be maintained clear of vegetation to provide unobstructed visibility between 30" and 8' above crown of road.
- Light poles, fire hydrants, electrical/mechanical equipment, signs, drainage structures, etc. shall not interfere with landscaping in terminal islands, parking islands, medians, buffers or other landscaped areas.
- All plant material is to be installed at the height, spread and DBH/Caliper shown in the Plant List, container sizes are given as a suggestion only.
- No muck-grown sod shall be utilized in detention areas.
- All landscape areas (including sod) shall be irrigated with an underground automatic sprinkler system providing min. 150% coverage.
- Trees shown on this plan are for graphic representation only. Tree spacing is based on design requirements and the trees shown on these plans attempt to accomplish that spacing while maintaining the required setbacks from utilities.
- Trees may be field adjusted to avoid conflicts with driveways and underground utilities. In any case the trees shall be located in the field in accordance with the planting details shown hereon.
- Trees are to be installed with a ten foot (10') separation from any water or sewer main and/ or service, hydrants, and lift stations. If a ten foot (10') separation cannot be achieved, the tree can be installed with a root barrier system. Refer to the "Root Barrier" detail for installation requirements.
- All planters shall be excavated to a minimum depth of the native soil on site and back-filled with a suitable soil consisting of fifty percent (50%) composted organic matter, well-mixed with native soil. Backfill material shall be free from rock, construction debris, or other extraneous material.

MATCHLINE A-A SHEET LP-2

MATCHLINE B-B SHEET LP-3

