

MATERIALS LIST

Symbol	No	Scientific Name	Common Name	Size Requirements
TD	7	Taxodium distichum	Bald Cypress	B/B, min. 12' oah, 6' spr, 4" caliper
IVP	6	Ilex vomitoria 'Pendula'	Weeping Yaupon Holly	B/B, min. 8' oah, 3'-4' spr, 2" caliper, std.
MG	8	Magnolia grandiflora	Bracken's Brown Beauty Magnolia	B/B, min. 12' oah, 6' spr, 4" caliper
SB	27	Senna bicapsularis	Cassia bicapsularis	B/B, min. 10' Oah X 4' spr, 2" caliper
SP	21	Sabal palmetto	Sabal Palm	B/B, 12'-16' CT, size as noted
QV	7	Quercus virginiana	Live Oak	B/B, min. 12' oah, 6' spr, 4" caliper
IC	39	Ixora coccinea	Ixora 'Mau Red'	min. 3 gallon @ 30" o.c.
IVS	142	Ilex vomitoria 'schillings'	Ilex Schilling	min. 3 gallon, 14" ht, 3" o.c.
JC	94	Juniperus chinensis 'Parsonii'	Parson's Juniper	min. 3 gallon @ 30"
RI	117	Raphiolepis indica 'Alba'	Dwarf Indian Hawthorn	min. 3 gallon, 18" ht, 3" o.c.
VO	263	Viburnum obovatum	Walters Viburnum	min. 3 gallon, 18" ht, 3" o.c.
ZP	15	Zamia pumila	Coontie Palm	min. 3 gallon @ 30" o.c.
DTV	137	Dianella tasmanica 'Variegata'	Variegated Flax Lily	min. 1 gallon @ 24" o.c.
LME	187	Liriope muscari 'Emerald Goddess'	Emerald Goddess Liriope	min. 1 gallon @ 24" o.c.
MU	26	Muhlenbergia capillaris	Muhly Grass	min. 1 gallon, 36" o.c.
TA	111	Trachelospermum asiaticum	Minimilium	min. 1 gallon, 18" o.c.
SOD	-	Paspalum notatum	Bahiá Sod	sf
MULCH	-	Grade 'A' Pine bark nugget		Mulch to 3" depth

LANDSCAPE REQUIREMENTS
Per City of Clearwater Code Division Section 13-1201

Landscape buffer requirement (right of way)
15' wide landscape buffer shall be provided along the right-of-way. (1) tree / 35 LF and 100% shrubs

Countryside
225' / 35' = (6) trees req'd and prov'd
(5) shade trees req'd and (1) existing tree to remain for credit

HWY 19 N.
233' / 35' = (7) trees req'd and prov'd
(8) accent trees, (9) palms

South
257' / 35' = (7) trees req'd and prov'd
(7) shade trees and

V.U.A. landscape trees requirement
10% of vua shall be landscaped
(1) tree per 150 sf of req'd landscape areas

50% required greenspace should be shrubs remaining required greenspace should be groundcover

54,830 x 10 = 5,483 / 150 sf = (37) trees req'd and prov'd
5,483 / 2 sf = 2,742 sf of shrubs req'd
(10) shade trees, 4 accent = (2) shade trees
12 palms = (4) shade trees provided
37 - 6 = (31) trees X 2.5" = 77.5" required
(15) 4" trees provided = 60" dbh
(12) buffer trees have been upsized from 2.5" to 4" = 18" 60" + 18" = 78" provided

Building perimeter planting requirement
100% of building facade with frontage along a street right-of-way with min. 5' landscaped area with (2) accent trees or (3) palms / 40 lf and (1) shrub for every 20 sf
A min. 50% of the area shall contain shrubs with the remainder to be groundcovers.
180' X 5' = 900 sf / 20 = (45) sf of shrubs req'd
180' / 40' X 2 = (9) accent trees req'd due to foundation planting area was not provided
(9) accent trees have been provided along the buffer areas

Tree replacement requirement
DBH of all trees being removed with a rating 3 and above and the proposed inches.
Palms with 10' clear trunk = 1" dbh
Accent tree = 2" dbh
Shade trees (4" dbh and greater) requires inch per inch replacement.
Total 71" are proposed for removal

Tree to be removed	Proposed trees
(4) Magnolia = 6", 7", 7", 7"	(22) 4" canopy trees = 88"
(1) Pine = 19"	(33) 2" accent trees = 66"
(31) Palm = 31"	(21) Palms = 21"
Total = 71"	Total = 175" provided

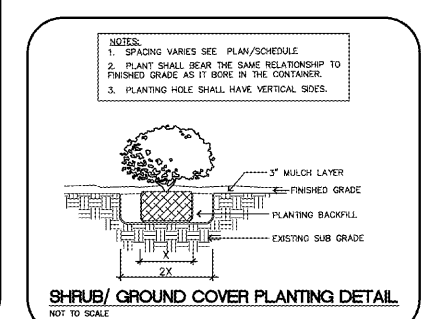
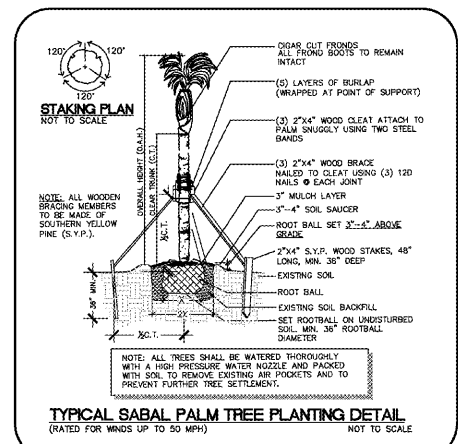
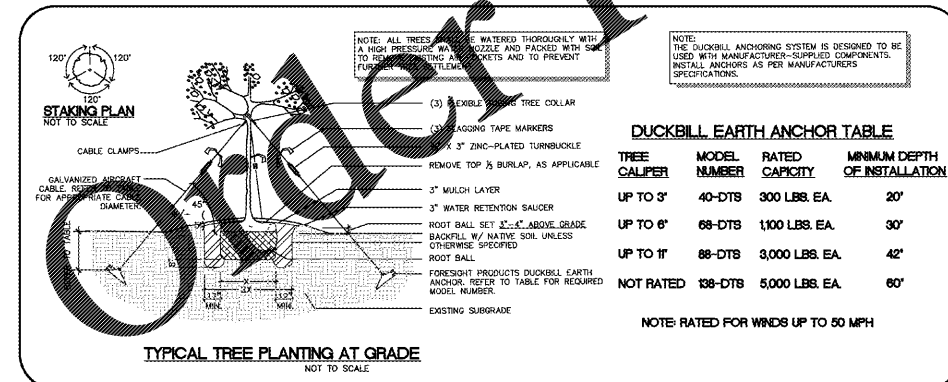
ADDITIONAL NOTES:
All areas of new planting shall be mulched with grade 'A' Pine bark mulch or approved equivalent.
Areas not planted with trees, shrubs, or groundcovers shall be sodded with bahia sod.
Contractor shall install new irrigation system to provide 100% coverage to all landscape areas.

GENERAL LANDSCAPE NOTES:

- All landscape material shall be fl. no. 1 grade or better, as specified in grades and standards for nursery plants, parts I and II, by Division of Plant Industry, Florida Department of Agriculture and Consumer Services, and shall conform to current American Association of Nurserymen Standards for Nursery Stock. Landscape material shall be planted according to sound nursery practices.
- All shrubs shall be a 18"-24" in height when used in a perimeter buffer, planted every 36" o.c. and shall provide a 100% continuous hedge which will be 36", high and 80% opaque, (12) months from the time a certificate of occupancy is received. All shrubs shall be 14"-24" in height when used for interior plantings, planted every 30"-36" o.c. with a 3 gallon minimum container. Shrubs shall not adversely impact existing tree root systems and shall be field adjusted if necessary.
- All required trees shall be a minimum of 10' overall height, with a min. 2.5" trunk caliper at time of planting. Adjust tree locations as necessary to avoid utilities, obstructions, etc. see materials list for exact specifications.
- All required trees shall be located a minimum of 5 feet from impervious surfaces, all shrubs 2 feet.
- An automatic underground irrigation system shall be installed to maintain the landscape area in a healthy manner and provide 100% coverage.
- The contractor shall sod all disturbed areas. All planting shall be mulched to a 3" minimum depth.
- The contractor shall be responsible for the clean up of premises and removal of all discarded and surplus materials, and rubbish.
- Verify the locations of existing trees, lawns, and shrubs. Remove extraneous materials such as rocks, branches, building materials or unacceptable soils prior to planting sod, trees, and shrubs, where encountered.
- Contractor shall become acquainted with the related paving, site grading, and all utilities (including water, sewer, and electrical supply) to preclude any misunderstandings and ensure a trouble free installation.
- The exact location of all existing structures, underground utilities, and pipes may not be as indicated on drawings; the contractor shall determine the location of these items and shall conduct his work in a manner to prevent interruption or damage to existing systems which must remain operational. The contractor shall protect existing structures and utility services which must remain operational and shall be responsible for their replacement if damaged by him.
- Contractor shall call Sunshine State One-Call at least 48 hours prior to digging. (1-800-432-4770).
- Quantities on plan take precedence over materials list. Quantities on materials list are provided as a courtesy only.
- All landscape material shall be maintained in perpetuity to provided all required FDOT and local site clearance distances for vehicles.
- Install a minimum 5' diameter mulch ring for all new trees. Mulch ring diameter shall be enlarged as needed to contain tree staking within mulched area.
- A Tree Permit will be required prior to any construction, native vegetative removal within the dripline of a tree and / or tree removal.
- A landscape warranty shall be provided for all installed landscaping which at a minimum shall include the following: (1) one year for trees, (90) ninety days for all shrubs, groundcover and sod.
- Soil testing shall be provided by the landscape contractor to confirm ph and soil nutrient composition throughout the project. Base on these tests, contractor shall determine if any soil amendments or additional fertilization will be needed for successful plant of sod establishment.

REQUIRED TREE LEGEND
(label indicates how each tree satisfies the code requirement)

- N** Buffer trees requirement along Countryside Blvd.
- E** Buffer trees requirement along US HWY 19
- S** Southern boundary buffer trees requirement
- W** Western boundary buffer trees requirement
- I** Parking Lot trees requirement
- B** Building perimeter trees requirement



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Engineering Business Certificate of Authorization No. 526775

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PROJECT NAME: Wawa Gas Station Clearwater, Florida
SHEET TITLE: Landscape Plan

PREPARED FOR: BOWMAN CONSULTING
One Urban Centre, 4850 W. Kennedy Blvd., Suite 600, Tampa, FL 33609
ADDRESS: Countryside Blvd. and U.S. HWY 19 N.

Revisions:

NO	DATE	DESCRIPTION

PROJ. NO. C069012K
DATE: 02-10-17
DRAWN: KC
DESIGNED: J.R./KC
CHECKED: J.R.

JASON E. RINARD, R.L.A. FL REG. NO. 001698
LANDSCAPE ARCHITECT

02/10/17
THIS PLAN IS NOT VALID UNLESS SIGNED, DATED & RAISED SEAL AFFIXED

SHEET: L1.0