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GENERAL LANDSCAPING NOTES

1. ALL PLANT MATERIALS TO BE FLORIDA #1 OR BETTER QUALITY, INSTALLED TO HIGHEST NURSERY STANDARDS.

2. MULCH TO BE RECYCLED WOOD MULCH, UNLESS OTHERWISE SPECIFIED. MULCH SHALL BE INSTALLED TO A MINIMUM OF 3" THICK IN ALL PLANTING AREAS.

3. SOD TO BE 95% WEED FREE: ARGENTINE BAHIA OR ST. AUGUSTINE "FLORATAM", AS SPECIFIED ON THE PLANS. SOD TO BE INSTALLED WITH TIGHT JOINTS, ROLLED AND FERTILIZED AT TIME OF INSTALLATION. ALL AREAS DISTURBED DURING PLANT REMOVAL AND/OR PLANTING WORK SHALL BE FILLED AND GRADED TO MATCH THE ADJACENT GRADE AND SODDED AS REQUIRED TO COVER ANY EXPOSED GROUND. SODDED AREAS SHALL BE INCLUDED IN THE ESTABLISHED WATERING PERIOD.

4. ALL DIMENSIONS TO BE FIELD CHECKED BY THE LANDSCAPE CONTRACTOR PRIOR TO CONSTRUCTION, WITH ANY DISCREPANCIES REPORTED IMMEDIATELY TO THE ENGINEER.

5. ALL MATERIALS MUST BE AS SPECIFIED ON THE LANDSCAPE PLAN. IF MATERIALS OR LABOR DO NOT ADHERE TO THE SPECIFICATIONS, THEY WILL BE REJECTED BY THE ENGINEER WITH PROPER INSTALLATION CARRIED OUT BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.

6. NO SUBSTITUTIONS OR CHANGES OF ANY KIND WILL BE MADE AT THE TIME OF BIDDING, SO AS TO PROVIDE FOR EQUAL AND FAIR BID COMPARISONS.

7. ALL PERMITS NECESSARY ARE TO BE OBTAINED BY THE INSTALLING CONTRACTOR, UNLESS OTHERWISE SPECIFICALLY STATED IN THE SPECIFICATIONS.

8. NO CONTRACTOR IDENTIFICATION SIGNS SHALL BE PERMITTED ON THE PROJECT.

9. CAREFULLY REVIEW THE LANDSCAPE SPECIFICATIONS. THE INSTALLATION CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL ITEMS CONTAINED THEREIN.

10. ALL PLANT MATERIAL SHALL BE PLANTED WITH "TERRA-SORB AG" OR AN APPROVED EQUAL, IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE RATE OF APPLICATION.
NOTES:
1. NO TRUCKS OR HEAVY EQUIPMENT ALLOWED WITHIN BARRIERS, ONLY HAND LABOR ALLOWED.
2. NO CONSTRUCTION MATERIALS, SOIL DEPOSITS, OR SOLVENTS SHALL BE ALLOWED INSIDE BARRIERS.
3. BARRIERS ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES NEAR TREES.
4. BARRIERS ARE TO REMAIN IN PLACE UNTIL ALL PAVING, CONSTRUCTION, AND HEAVY EQUIPMENT ARE REMOVED FROM THE AREA.
5. FOR SINGULAR PALM TREES AND TREES FROM 1" TO 8" DBH.
6. FOR LARGER TREES LARGER THAN 8" DBH AND TREE CLUSTERS THAT NEED BARRIERS.

CITY STANDARDS

TREE PROTECTION
FENCE BARRIERS DETAIL
FERTILIZATION REQUIREMENTS

TREES, PALMS, SHRUBS, AND GROUNDCOVER:

ALL TREES, PALMS, SHRUBS, AND GROUNDCOVER SHALL BE FERTILIZED WITH "AGRIFORM" OR APPROVED EQUAL OF 20-15-5 TABLETS AT THE TIME OF INSTALLATION AND PRIOR TO COMPLETION OF PIT BACK-FILLING. THE TABLETS SHALL BE PLACED UNIFORMLY AROUND THE ROOT MASS AT A DEPTH THAT IS BETWEEN THE MIDDLE AND BOTTOM OF THE ROOT MASS.

APPLICATION RATE:

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<th>NURSERY SIZE</th>
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<td>3 - 21 GRAM TABLETS PER EACH 1/2&quot; OF CALIPER</td>
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<td>PALMS:</td>
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<tr>
<td>1 GALLON CANTAINER:</td>
<td>1 - 21 GRAM TABLETS</td>
</tr>
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<td>3 GALLON CANTAINER:</td>
<td>2 - 21 GRAM TABLETS</td>
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<td>5 GALLON CANTAINER:</td>
<td>3 - 21 GRAM TABLETS</td>
</tr>
<tr>
<td>7 GALLON CANTAINER:</td>
<td>4 - 21 GRAM TABLETS</td>
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GROUND COVER AREAS:

ALL GROUND COVER AREAS SHALL RECEIVE FERTILIZATION WITH "OZMOCOTE" OR APPROVED EQUAL, TIME RELEASE FERTILIZER AS PER THE MANUFACTURER'S RECOMMENDATIONS.

WATERING SCHEDULE

THE 52 WEEK ESTABLISHMENT WATERING SCHEDULE SHALL BE AS FOLLOWS:

| WEEKS 1 AND 2     | 5 TIMES PER WEEK |
| WEEKS 3 THRU 5    | 4 TIMES PER WEEK |
| WEEKS 6 THRU 11   | 3 TIMES PER WEEK |
| WEEKS 12 THRU 17  | 2 TIMES PER WEEK |
| WEEKS 18 THRU 25  | 1 TIMES PER WEEK |
| WEEKS 25 THRU 52  | 1 TIME EVERY OTHER WEEK, MIN. OR AS NEEDED TO INSURE THE SURVIVABILITY OF THE TREES, PALMS, SHRUBS AND GROUNDCOVER THROUGHOUT THE WARRANTY PERIOD |

| TREES:             | 20 GALLONS EACH |
| PALMS:             | 20 GALLONS EACH |
| SHRUBS:            | 3 GALLONS EACH |
| GROUNDCOVER:       | 2 GALLONS PER PLANTING |

WARRANTY PERIOD

| TREES:             | ONE YEAR FROM DATE OF FINAL ACCEPTANCE |
| PALMS:             | ONE YEAR FROM DATE OF FINAL ACCEPTANCE |
| SHRUBS:            | 120 DAYS FROM THE DATE OF FINAL ACCEPTANCE |
| GROUNDCOVER:       | 120 DAYS FROM THE DATE OF FINAL ACCEPTANCE |

CITY STANDARDS
CROWN SPREAD

OVERALL HEIGHT

BACK OF CURB

AS PER PLANS
5' MIN., WHEN APPLICABLE

3-12" LONG ORANGE
FLAGGING TAPE, TYP.

2-2"x4" WOOD STAKES, SEE
NOTE 4

CONTAINER GROWN TREE

EXISTING GRADE

3 TO 5 TIMES THE WIDTH
OF THE FOOTBALL

1/2" BLACK RUBBER HOSE 1/3 UP TREE OR TO THE FIRST BRANCH

2-GALVANIZED SUPPORT WIRES,
DOUBLED AND TWISTED TIGHT, Sized
FOR CALIPER OF TREE

3" MULCH LAYER

4" EARTHEN SAUCER

APPROVED PLANTING
SOIL BACKFILL

APPROVED PLANTING
SOIL BACKFILL

UNDISTURBED SOIL

FERTILIZER TABLETS AS REQUIRED. SEE NOTES 1 AND 2 BELOW

NOTES:
1. FOR GENERAL REQUIREMENTS AND CONDITIONS, SEE CITY STANDARD DETAIL-GENERAL LANDSCAPING NOTES.
2. FOR FERTILIZING, WATERING, AND WARRANTY REQUIREMENTS, SEE STANDARD DETAIL-FERTILIZATION, WATERING, AND WARRANTY.
3. IF BALLED AND BURLAPPED MATERIAL IS USED, ALL BURLAP AND STRAPPING SHALL BE REMOVED FROM ROOT BALL IMMEDIATELY PRIOR TO INSTALLATION.
4. USE 2"x2" STAKES FOR TREES 1" TO 2" CALIPER.
5. OTHER TREE STAKING SYSTEMS MAY BE ACCEPTABLE WITH APPROVAL BY THE ENGINEER.

CITY STANDARDS

TREE PLANTING DETAIL

ENGINEERING AND CAPITAL
IMPROVEMENT DEPARTMENT
CITY OF ST. PETERSBURG

APPROVED BY:

DIRECTOR

SCALE: N.T.S.

DATE: OCT. 2019

DWG. No. S10-4
CIGAR CUT ALL SABLE PALM HEADS, REMOVE ALL EXISTING FRONDS AND CUT BACK THE BUD TO A MINIMUM OF 12". WASHINGTONIAN PALMS TO BE TRIMMED AND TIED FOR TRANSPORTING. TREES TO BE UNTIED IMMEDIATELY PRIOR TO INSTALLATION.

TRUNK SHALL BE FREE OF SCARS, BURN MARKS, AND BOOTS.

5 LAYERS OF BURLAP, 3-2"x4" WOOD CLEATS, CONNECTED WITH 2-3/4" STEEL BANDS

3-2"x4" WOOD BRACES AT 120° APART, LENGTH AS REQUIRED

MULCH 3" FROM TRUNK

3" MULCH LAYER

6" EARTHEN SAUCER

2" x4" x30" WOOD STAKE

APPROVED SABLE PALM PLANTING SOIL BACKFILL

UNDISTURBED SOIL

FERTILIZER TABLETS AS REQUIRED. SEE NOTES 1 AND 2 BELOW

NOTES:
1. FOR GENERAL REQUIREMENTS AND CONDITIONS, SEE CITY STANDARD DETAIL-GENERAL LANDSCAPING NOTES.
2. FOR FERTILIZING, WATERING, AND WARRANTY REQUIREMENTS, SEE STANDARD DETAIL-FERTILIZATION, WATERING, AND WARRANTY.
3. ALL SABLE PALM ROOT BALLS SHALL BE A MINIMUM OF 3'-0"x3'-0".
4. ALL SABLE PALMS SHALL BE STAKED AS SHOWN ABOVE.

CITY STANDARDS
FERTILIZER TABLETS AS REQUIRED. SEE NOTES 1 AND 2 BELOW

UNDISTURBED SOIL

TYPICAL SHRUB

GROUND COVER PLANTS

3" MULCH LAYER

EXISTING SOIL

3" APPROVED PLANTING
SOIL BACKFILL

TYPICAL GROUNDCOVER

A - SHRUBS AND GROUND COVERS ADJACENT TO STRAIGHT EDGES SHALL BE TRIANGULAR SPACED IN ROWS PARALLEL TO THE STRAIGHT EDGE

B - SHRUBS AND GROUND COVERS ADJACENT TO CURVED EDGES SHALL BE PLANTED IN ROWS PARALLEL TO THE CURVED EDGE

TYPICAL LAYOUTS

NOTES:
1. FOR GENERAL REQUIREMENTS AND CONDITIONS, SEE CITY STANDARD DETAIL-GENERAL LANDSCAPING NOTES.

2. FOR FERTILIZING, WATERING, AND WARRANTY REQUIREMENTS, SEE STANDARD DETAIL-FERTILIZATION, WATERING, AND WARRANTY.

CITY STANDARDS

SHRUB AND GROUNDCOVER PLANTING DETAIL

ENGINEERING AND CAPITAL IMPROVEMENT DEPARTMENT
CITY OF ST. PETERSBURG

APPROVED BY: [Signature]

DATE: OCT. 2019

SCALE: N.T.S.

DIRECTOR

S10-6
AUGER POST HOLES
4" TO 8" LARGER
THAN POST

BACKFILL-COMPACTED
TO 95% DENSITY, TYP.

FINISH GRADE

SUPPORT POST, TYP.

SCHEDULE

| (X)x(Y)= | "Z" | SUPPORT POST |
| SIGNAGE AREA | DEPTH, MIN. | SIZE, MIN. |
| < 20 SQ. FT. | 3 FT. | 6" x 6" |
| 21 TO 50 SQ. FT. | 4 FT. | 6" x 6" |
| 51 TO 80 SQ. FT. | 5 FT. | 6" x 6" |

NOTE:
1. WHEN "X" IS MORE THAN 8 FT.; 3 SUPPORT POST, SPACED AT "X"/3 IS REQUIRED.
2. ALL SUPPORT POST SHALL BE PRESSURE TREATED MATERIAL.
3. SUPPORT POST SIZE CALL OUTS ARE NOMINAL DIMENSIONS.
4. SIGN INFORMATION AND LAYOUT SHALL BE PROVIDED BY CITY.
5. CONTRACTOR SHALL ORDER AND INSTALL SIGN.
6. CONTRACTOR IS RESPONSIBLE FOR REPLACING SIGN IF DAMAGED OR AS DIRECTED BY THE ENGINEER.
ENCLOSED SITE ACTIVITIES MAY INCLUDE SOME OR ALL OF THE FOLLOWING: RESIDENTIAL OR COMMERCIAL DEVELOPMENT, LAND CLEARING, SITE IMPROVEMENTS, CONSTRUCTION MATERIALS AND EQUIPMENT STORAGE AND TEMPORARY CONSTRUCTION OFFICES, AND CONSTRUCTION Spoil MATERIALS AND REFUSE

CATCH BASIN EROSION CONTROL, SEE NOTES 5, 6, 8, AND 11

NOTES:
1. NON-CONFORMANCE WITH THE ITEMS LISTED OR SHOWN ON THIS DETAIL MAY RESULT IN A "STOP WORK" ORDER.
2. THE PURPOSE OF THIS DETAIL IS TO ASSIST THE DEVELOPER, BUILDER, AND/OR CONTRACTOR TO MEET THE MINIMUM REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT ISSUED TO THE CITY OF ST. PETERSBURG.
3. THIS DETAIL IS APPLICABLE FOR ALL CONSTRUCTION SITES AS DESCRIBED ABOVE OF LESS THAN ONE (1) ACRE; THOSE SITES GREATER THAN ONE (1) ACRE ALSO MUST OBTAIN COVERAGE UNDER AN NPDES STORM WATER PERMIT.
5. INSPECT AND MAINTAIN ALL EROSION CONTROL DEVICES DAILY AND/OR AFTER A RAINFALL.
6. FOR CURB INLET FILTER REQUIREMENTS, SEE STANDARD DETAIL-CURB INLET FILTER FOR EROSION CONTROL AT CATCH BASIN; DWG. NO. 540-35, OR FOR SYNTHETIC HAY BALES REQUIREMENTS, SEE STANDARD DETAIL-HAY BALES FOR EROSION CONTROL AT CATCH BASIN; DWG. NO. 540-36.
7. EXISTING GRASS VEGETATION SHALL BE MAINTAINED AT A 10 INCH HEIGHT OR LESS, AS PER CITY CODE, CHAPTER 16; SECTIONS 16-1070 THRU 1076.
8. ALL SOIL EROSION CONTROL DEVICES MUST REMAIN IN PLACE UNTIL NEW VEGETATION IS ESTABLISHED. ALL DISTURBED AREAS SHALL BE SODDED AFTER FINAL GRADING.
9. TEMPORARY AGGREGATE ENTRANCE SHALL BE A MINIMUM 6" THICK OF STANDARD GRADATION SIZE #1 OR #2 RANGE AS PER FDOT SECTION 901, AND SHALL BE COMPACTED. AGGREGATE SHALL BE QUARTZ OR CRUSHED GRANITE. LIMEROCK, DOLOMITE OR SANDSTONE SHALL NOT BE ACCEPTABLE.
10. IF THERE IS NO EXISTING DRIVEWAY OR AN ALTERNATE INGRESS/EGRESS IS TO BE USED DURING CONSTRUCTION, THE METHOD OF ACCESS SHALL CONFORM TO THE "TEMPORARY AGGREGATE ENTRANCE" AS DESCRIBED ABOVE. IF THE AGGREGATE IS DEEMED UNSAFE, THE ALTERNATE INGRESS/EGRESS SHALL BE CONSTRUCTED OF 1" ASPHALTIC CONCRETE OVER 6" OF COMPACTED LIMEROCK BASE.
11. REGULARLY REMOVE COLLECTED SEDIMENT AND DEBRIS FROM THE SILT BARRIERS AND GUTTER FLOW LINE.
12. FOR ALL SAND AND SOIL STOCKPILES DUST/EROSION CONTROL MEASURES SHALL BE IMPLEMENTED.
13. KEEP CONSTRUCTION SITE LITTER/DEBRIS, AND LEAKING CONTAINERS IN ORDERLY CONTAINMENT AREAS.
14. SWEEP ENTRANCE AND ADJACENT ROADWAY WEEKLY TO KEEP FREE OF CONSTRUCTION DEBRIS.
15. SWEEP PAVED SURFACES ONLY. DO NOT WASH DOWN UNTIL SITE IS FINISHED.
16. SINGLE FAMILY INFILL LOTS MAY REQUIRE SILT FENCE AS ORDERED OR DIRECTED BY THE CITY BUILDING OFFICIAL.
NOTES:
1. FILL IN FEMA FLOOD ZONES A AND AE IS LIMITED PER CITY CODE, SEE CHAPTER 16. A SEPARATE SITE PLAN SHOWING EXISTING AND PROPOSED ELEVATIONS AND DRAINAGE PLAN IS REQUIRED IN FEMA FLOOD AREAS. THESE PLANS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER.
2. FILL IN FLOOD ZONE VE IS PROHIBITED, PER CITY CODE, SEE CHAPTER 16.
3. EXISTING AND DESIGN ELEVATIONS ARE REQUIRED FOR POINTS IDENTIFIED BY THIS SYMBOL: ●
4. BUILDING SLAB SHALL BE 1' MINIMUM ABOVE THE CENTERLINE OF THE ROADWAY AND NOT LESS THAN A MINIMUM ELEVATION OF 103.00 PER CITY DATUM OR AS DICTATED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).
5. LOT GRADING SHALL MAINTAIN HISTORICAL FLOW PATHS AND PREVENT THE ACCUMULATION OF WATER OR EXCESSIVE RUNOFF INTO ADJACENT PROPERTIES.
6. LOTS IN EXISTING SUBDIVISIONS REQUIRE EXISTING ELEVATIONS 5' INTO ADJOINING PROPERTIES OR EXISTING SWALE(S).
7. REAR SWALE SHALL DRAIN TO SIDE SWALES AND TO ROADWAY ON EACH LOT SIDE AND SHALL FUNCTION INDEPENDENTLY FROM ALL ADJOINING LOTS.
8. SIDE SWALES SHALL BE SIZED TO ACCOMMODATE A MINIMUM OF A 10 YEAR, 1 HOUR RAIN EVENT, MINIMUM SWALE SIZE SHALL BE 6" DEEP WITH 4:1 SIDE SLOPES.
9. ROOF GUTTERS AND LEADERS IN CONJUNCTION WITH YARD DRAINS AND INLETS ARE REQUIRED WHERE NECESSARY FOR ADEQUATE DRAINAGE.
10. WHEN SILT FENCING IS REQUIRED, SEE CITY STANDARD DETAIL, SITE PLAN-EROSION CONTROL; DWG. NO. S10-20.
11. FINAL AS-BUILT ELEVATIONS SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR TO CONFIRM COMPLIANCE WITH THE PROPOSED DESIGN ELEVATIONS.
NOTES:
1. FILL IN FEMA FLOOD ZONES A AND AE IS LIMITED PER CITY CODE, SEE CHAPTER 16. A SEPARATE SITE PLAN SHOWING EXISTING AND PROPOSED ELEVATIONS AND DRAINAGE PLAN IS REQUIRED IN FEMA FLOOD AREAS. THESE PLANS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER.
2. FILL IN FLOOD ZONE VE IS PROHIBITED, PER CITY CODE, SEE CHAPTER 16.
3. EXISTING AND DESIGN ELEVATIONS ARE REQUIRED FOR POINTS IDENTIFIED BY THIS SYMBOL: ⚫
4. BUILDING SLAB SHALL BE 1' MINIMUM ABOVE THE CENTERLINE OF THE ROADWAY AND NOT LESS THAN A MINIMUM ELEVATION OF 103.00 PER CITY DATUM OR AS DICTATED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).
5. LOT GRADING SHALL MAINTAIN HISTORICAL FLOW PATHS AND PREVENT THE ACCUMULATION OF WATER OR EXCESSIVE RUNOFF ONTO ADJACENT PROPERTIES.
6. LOTS IN EXISTING SUBDIVISIONS REQUIRE EXISTING ELEVATIONS 5' INTO ADJOINING PROPERTIES OR EXISTING SWALE(S).
7. SIDE SWALES SHALL DRAIN TO ROADWAY ON EACH LOT SIDE AND SHALL FUNCTION INDEPENDENTLY FROM ALL ADJOINING LOTS.
8. SIDE SWALES SHALL BE SIZED TO ACCOMMODATE A MINIMUM OF A 10 YEAR, 1 HOUR RAIN EVENT, MINIMUM SWALE SIZE SHALL BE 6" DEEP WITH 4:1 SIDE SLOPES.
9. ROOF GUTTERS AND LEADERS IN CONJUNCTION WITH YARD DRAINS AND INLETS ARE REQUIRED WHERE NECESSARY FOR ADEQUATE DRAINAGE.
10. WHEN SILT FENCING IS REQUIRED, SEE CITY STANDARD DETAIL, SITE PLAN-EROSION CONTROL; DWG. NO. S10-20.
11. FINAL AS-BUILT ELEVATIONS SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR TO CONFIRM COMPLIANCE WITH THE PROPOSED DESIGN ELEVATIONS.

CITY STANDARDS

GUIDE FOR TYPE "B"
LOT GRADING DETAIL
(ALL DRAINAGE ROADWAY AND ALLEY)

ENGINEERING AND CAPITAL
IMPROVEMENT DEPARTMENT
CITY OF ST. PETERSBURG

SCALE: N.T.S.

DIRECTION

APPROVED BY:

DATE: OCT. 2019

DWG. NO.
S10-22
NOTES:
1. FILL IN FEMA FLOOD ZONES A AND AE IS LIMITED PER CITY CODE, SEE CHAPTER 16. A SEPARATE SITE PLAN SHOWING EXISTING AND PROPOSED ELEVATIONS AND DRAINAGE PLAN IS REQUIRED IN FEMA FLOOD AREAS. THESE PLANS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER.
2. FILL IN FLOOD ZONE VE IS PROHIBITED, PER CITY CODE, SEE CHAPTER 16.
3. EXISTING AND DESIGN ELEVATIONS ARE REQUIRED FOR POINTS IDENTIFIED BY THIS SYMBOL:
4. BUILDING SLAB SHALL BE 1' MINIMUM ABOVE THE CENTERLINE OF THE ROADWAY AND NOT LESS THAN A MINIMUM ELEVATION OF 103.00 PER CITY DATUM OR AS DICTATED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).
5. LOT GRADING SHALL MAINTAIN HISTORICAL FLOW PATHS AND PREVENT THE ACCUMULATION OF WATER OR EXCESSIVE RUNOFF ONTO ADJACENT PROPERTIES.
6. LOTS IN EXISTING SUBDIVISIONS REQUIRE EXISTING ELEVATIONS 5' INTO ADJOINING PROPERTIES OR EXISTING SWALE(S).
7. FRONT SWALE SHALL DRAIN TO SIDE SWALES AND TO ALLEY ON EACH LOT SIDE AND SHALL FUNCTION INDEPENDENTLY FROM ALL ADJOINING LOTS.
8. SIDE SWALES SHALL BE SIZED TO ACCOMMODATE A MINIMUM OF A 10 YEAR, 1 HOUR RAIN EVENT, MINIMUM SWALE SIZE SHALL BE 6" DEEP WITH 4:1 SIDE SLOPES.
9. ROOF GUTTERS AND LEADERS IN CONJUNCTION WITH YARD DRAINS AND INLETS ARE REQUIRED WHERE NECESSARY FOR ADEQUATE DRAINAGE.
10. WHEN SILT FENCING IS REQUIRED, SEE CITY STANDARD DETAIL, SITE PLAN-EROSION CONTROL; DWG. NO. S10-20.
11. FINAL AS-BUILT ELEVATIONS SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR TO CONFIRM COMPLIANCE WITH THE PROPOSED DESIGN ELEVATIONS.

CITY STANDARDS

GUIDE FOR TYPE "C"
LOT GRADING DETAIL
(ALL DRAINAGE TO ALLEY)

ENGINEERING AND CAPITAL IMPROVEMENT DEPARTMENT
CITY of ST. PETERSBURG

APPROVED BY: [Signature]
DIRECTOR

DATE: OCT. 2019
DWG. No. S10-23
LEGEND

WORK ZONE

ROW
EOP
BOC
C/L
SW

RIGHT OF WAY
EDGE OF PAVEMENT
BACK OF CURB
CENTER LINE
SIDEWALK

SHADING AREA WHERE ANNUAL GENERAL PERMIT DOES NOT APPLY. JOB SPECIFIC RIGHT-OF-WAY PERMIT IS REQUIRED

CITY STANDARDS

DELINEATION OF RIGHT-OF-WAY AREA REQUIRING A SPECIFIC WORK PERMIT

ENGINEERING AND CAPITAL IMPROVEMENT DEPARTMENT CITY of ST. PETERSBURG

APPROVED BY: [Signature]

DATE: OCT. 2019

DIRECTOR

SCALE: N.T.S.

S10-24
NOTE:
SHADING INDICATES AREA COVERED BY ANNUAL GENERAL PERMIT.
RESIDENTIAL LOCATIONAL CRITERIA:

1. SMALL CELL MAY BE LOCATED IN THE ALLEY RIGHT OF WAY AT THE SHARED LOT LINE OR WITHIN THE PERPENDICULAR EXTENSION OF A SIDE FACING WALL PLANE. MAINTAIN A MINIMUM 12-FOOT CLEAR UNOBSTRUCTED LONGITUDINAL TRAVEL PATH IN ALLEY RIGHT OF WAY.


3. WHEN THE SMALL CELL IS LOCATED INSIDE THE PERPENDICULAR EXTENSION OF A SIDE FACING WALL PLANE, A MINIMUM HORIZONTAL CLEARANCE OF 6- FEET IS REQUIRED FROM ANY POINT OF INGRESS/EGRESS TO THE RESIDENTIAL BUILDING AND A MINIMUM HORIZONTAL CLEARANCE OF 4- FEET IS REQUIRED FROM THE EDGE OF ANY WINDOW ON THE SIDE FACING WALL PLANE.

4. SMALL CELL LOCATION SHALL NOT IMPACT INGRESS/EGRESS FROM DRIVEWAYS. MINIMUM 6- FEET OF HORIZONTAL CLEARANCE REQUIRED FROM EDGE OF RESIDENTIAL DRIVEWAY TO THE SMALL CELL.

5. MINIMUM 2- FEET OF CLEARANCE REQUIRED FROM THE SMALL CELL TO THE EDGE OF A PUBLIC SIDEWALK AND MINIMUM 4- FEET OF CLEARANCE REQUIRED FROM THE EDGE OF A BICYCLE TRAIL.

6. MINIMUM HORIZONTAL CLEARANCE OF 4- FEET REQUIRED FROM A PEDESTRIAN CURB RAMP OR CROSSWALK.

7. LOCATE THE SMALL CELL IN SAME GENERAL ALIGNMENT AND SPACING AS EXISTING TREES & POLES IN THE PARKWAY, WHEN POSSIBLE. MAINTAIN ADEQUATE SPACE FROM EXISTING TREES TO AVOID TREE ROOT DISTURBANCE.

8. WIRELESS COMMUNICATIONS FACILITIES SHALL NOT IMPAIR VISIBILITY AT INTERSECTIONS.

9. LOCATE THE SMALL CELL OUTSIDE THE ROADWAY CLEAR ZONE.

10. SEE CITY CODE 25-316 FOR DESIGN STANDARDS FOR SMALL WIRELESS FACILITIES. FIGURE 1 Delineates SMALL CELL FACILITIES REQUIRING A STREET LIGHT FIXTURE.
CITY STANDARDS

GENERAL CRITERIA - FREESTANDING SMALL CELL COMMERCIAL

ENGINEERING AND CAPITAL IMPROVEMENT DEPARTMENT
CITY of ST. PETERSBURG

SCALE: N.T.S.

NOTE:
NO SMALL CELLS PERMITTED IN SHAD ED AREAS

COMMERCIAL LOCATIONAL CRITERIA:

1. SMALL CELL MAY BE LOCATED IN THE ALLEY RIGHT OF WAY. MAINTAIN A MINIMUM 12-FOOT CLEAR UNOBSTRUCTED LONGITUDINAL TRAVEL PATH IN ALLEY RIGHT OF WAY. MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 10 FEET FROM POINT OF INGRESS/EGRESS OR DELIVERY ACCESS TO THE COMMERCIAL BUILDING. MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 4 FEET FROM ANY WINDOW.


3. WHEN THE SMALL CELL IS LOCATED INSIDE THE PERPENDICULAR EXTENSION OF A SIDE FACING WALL PLANE, A MINIMUM HORIZONTAL CLEARANCE OF 10 FEET IS REQUIRED FROM ANY POINT OF INGRESS/EGRESS OR DELIVERY ACCESS TO THE COMMERCIAL BUILDING AND A MINIMUM HORIZONTAL CLEARANCE OF 4 FEET IS REQUIRED FROM THE EDGE OF ANY WINDOW.

4. SMALL CELL LOCATION SHALL NOT IMPACT INGRESS/EGRESS FROM DRIVEWAYS OR ALLEYS. MINIMUM 10 FEET OF HORIZONTAL CLEARANCE REQUIRED FROM THE EDGE OF A COMMERCIAL DRIVEWAY OR ALLEY APRON.

5. MINIMUM 2 FEET OF HORIZONTAL CLEARANCE REQUIRED FROM THE EDGE OF A PUBLIC SIDEWALK AND MINIMUM 4 FEET OF HORIZONTAL CLEARANCE REQUIRED FROM THE EDGE OF A BICYCLE TRAIL.

6. NO SMALL CELLS PERMITTED IN SHADED AREAS

7. LOCATE THE SMALL CELL IN THE SAME GENERAL ALIGNMENT AND SPACING AS EXISTING TREES & POLES IN THE PARKWAY, WHEN POSSIBLE. MAINTAIN ADEQUATE SPACE FROM EXISTING TREES TO AVOID TREE ROOT DISTURBANCE.

8. WIRELESS COMMUNICATIONS FACILITIES SHALL NOT IMPAIR VISIBILITY AT INTERSECTIONS.

9. LOCATE THE SMALL CELL OUTSIDE THE ROADWAY CLEAR ZONE.

10. SEE CITY CODE 25-316 FOR DESIGN STANDARDS FOR SMALL WIRELESS FACILITIES. FIGURE 1 DELINEATES SMALL CELL FACILITIES REQUIRING A STREET LIGHT FIXTURE.
COMMERCIAL STOREFRONT LOCATIONAL REQUIREMENTS:
1. LOCATE SMALL CELL BETWEEN STOREFRONTS.
2. LOCATE SMALL CELL OUTSIDE THE MAIN SIDEWALK PATH AS REQUIRED FOR THE ZONING DISTRICT. WITHIN THE DC ZONING DISTRICT, SMALL CELL PLACEMENT SHALL NOT REDUCE THE CLEAR UNOBSTRUCTED PUBLIC SIDEWALK TO LESS THAN 8-FEET IN WIDTH. WIRELESS FACILITIES SHALL NOT ENCROACH INTO ANY ADA REQUIRED OPEN SPACES, IMPAIR ACCESS TO ANY BUILDING ENTRANCE, OR OTHERWISE IMPede THE FREE FLOW OF PEDESTRIAN TRAFFIC UPON ANY SIDEWALK.
3. SMALL CELL SHALL NOT BE LOCATED IN FRONT OF STOREFRONT WINDOWS OR IN FRONT OF A STOREFRONT PRIMARY ENTRANCE OR EXIT AND SHALL NOT IMPEDE DELIVERY ACCESS TO A BUILDING.
4. LOCATE SMALL CELL OUTSIDE THE BOUNDARIES OF A PERMITTED AND OPERATING SIDEWALK CAFÉ, SIDEWALK RETAIL, OR PUSHCART VENDING AREA.
5. MAINTAIN A MINIMUM CLEARANCE OF 5 FEET (OR OTHER DISTANCE AS REQUIRED BY THE FLORIDA FIRE PREVENTION CODE AS AMENDED) FROM A FIRE HYDRANT.
6. MAINTAIN A MINIMUM CLEARANCE OF 4 FEET FROM ANY PARKING SIGNS AND PARKING METERS. WIRELESS COMMUNICATIONS FACILITIES SHALL NOT IMPAIR THE VISIBILITY OF ANY TRAFFIC SIGN OR ACCESS TO ANY TRAFFIC CONTROL DEVICE.
7. MAINTAIN A MINIMUM CLEARANCE OF 4 FEET FROM ARTICLES OF STREET FURNITURE SUCH AS A BICYCLE PARKING STATION, ABOVE GROUND UTILITY BOX, BENCHES, TRASH RECEPTACLES, ART, AWNINGS, ETC.
8. WIRELESS COMMUNICATIONS FACILITIES SHALL NOT IMPAIR VISIBILITY AT INTERSECTIONS.
9. LOCATE THE SMALL CELL OUTSIDE THE ROADWAY CLEAR ZONE.
10. SEE CITY CODE 25-316 FOR DESIGN STANDARDS FOR SMALL WIRELESS FACILITIES. FIGURE 1 DELINEATES SMALL CELL FACILITIES REQUIRING A STREET LIGHT FIXTURE.

CITY STANDARDS

GENERAL CRITERIA-FREESTANDING SMALL CELL COMMERCIAL STOREFRONT

ENGINEERING AND CAPITAL IMPROVEMENT DEPARTMENT
CITY of ST. PETERSBURG

APPROVED BY:

DATE: OCT. 2019
DWG. No. S10-32
MAXIMUM HEIGHT PER FLORIDA STATUTE

CANTENNA (14" DIA. MAX.)

UPPER POLE (10" DIA. PREFERRED)

TYPICAL FREESTANDING SMALL CELL STANDARD STEEL POLE.
COLOR: TO MATCH EXISTING ADJACENT PREDOMINANT POLE TYPE

EQUIPMENT CABINET 16" DIA. PREFERRED (20" DIA. MAX.)

PULL/SPLICE BOX ADJACENT TO EACH POLE.

FINAL GRADE

ELECTRICAL/FIBER/GROUND CONDUIT

2" PVC (MIN.) FOUNDATION PER STRUCTURAL ENGINEER

5'-8" (MAX.) FOOT ROADSIDE OFFSET

DETAIL NOTES:
1. ALL ANCHOR BOLT HARDWARE SHALL BE CONCEALED.
2. ALL SMALL CELL EQUIPMENT SHALL BE HOUSED INTERNAL TO THE EQUIPMENT CABINET OR HIDDEN BEHIND THE CANTENNA.
10" O.D. TRANSITION POLE CAN BE ROUND, FLUTED, MULTISIDED OR TAPERED ROUND

34.0' SHOWN AVAILABLE FROM 24' TO 50'

16" O.D.

DECO RATIVE TRANSITION

SMART CITY NODE CAN ACCOMMODATE BANNERS AND OTHER NEEDED SIGNAGE

RF TRANSPARENT SHROUD ACCOMMODATIONS FOR ANTENNA, LAA, CBRS RADIOS

18.7' EQUIPMENT SECTION WITH SMART METER OVERALL HEIGHT CAN BE DECREASED BY AN ADDITIONAL 12"
SMALL CELL EQUIPMENT ACCESS DOOR WITH LOCKABLE COVER PER CARRIER REQUIREMENTS

ELECTRIC METER HOUSING FOR SMALL CELL ELECTRIC SERVICE RECESSED IN EQUIPMENT CABINET

ELECTRIC METER DISCONNECT RECESSED IN EQUIPMENT CABINET

HAND HOLES FOR STREETLIGHT ELECTRICAL ACCESS

SIDE VIEW

ELECTRIC METER HOUSING FOR SMALL CELL ELECTRIC SERVICE RECESSED IN EQUIPMENT CABINET

ELECTRIC METER DISCONNECT RECESSED IN EQUIPMENT CABINET

PASSIVE VENTILATION

EQUIPMENT CABINET

SMALL CELL FIBER

STREET LIGHTING/ELECTRICAL

CITY FIBER

SMALL CELL ELECTRICAL CONDUIT

CITY STANDARDS

TYPICAL COMBINATION POLE EQUIPMENT CABINET DETAIL

BY DATE

OCT. 2019

DWG. No.

S10-35

ENGINEERING AND CAPITAL IMPROVEMENT DEPARTMENT
CITY of ST. PETERSBURG

APPROVED BY:

DIRECTOR

SCALE: N.T.S.
**Pull Box / Spline Box - Composite Minimum Dimensions**

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**Electric Pull Box / Spline Box Composite Minimum Dimensions**

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**Detail Notes**

1. Box covers must be polymer concrete with fiberglass reinforcement, incidental traffic rated to Tier 22 and bolted. Electric pull box/spline box shall be Tier 8 rated.

2. Box covers shall be labeled as follows:
   - Pull boxes containing streetlight electric service shall be labeled "Streetlight".
   - Pull boxes containing City Fiber shall be labeled "City Fiber".
   - Pull boxes containing small cell carrier fiber shall be labeled with the name of the carrier.
   - Labeling must be cast into the cover and not a separate independent tag.

3. Refer to N.E.C. Article 314 "Pull and Junction Boxes and Conduit Bodies Minimum Size" for box size requirements based on conduit and wire sizes.

4. The wire termination in this box shall be made using submersible insulated pedestal lug connections. Provide one multi-lug connector for each phase, neutral and ground conductor to be spliced in this in-grade splice box.

**City Standards**

**Pull Box/Splice Box**

Approved by: [Signature]

Date: OCT. 2019

Dwg. No.: S10-36