APALACHEE REGIONAL PARK
Cross Country Venue Infrastructure Improvements
LEON COUNTY, FLORIDA
CONSTRUCTION PLANS

LOCATION
PROJECT
BOUNDARY
PARCEL
PROJECT LOCATION
OVERLOOK LOCATIONS

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PROJECT SUMMARY:

THIS PROJECT IS FOR THE CONSTRUCTION OF IMPROVEMENTS AT THE APALACHEE REGIONAL PARK CROSS COUNTRY VENUE INCLUDING ASSOCIATED AMENITIES AND INFRASTRUCTURE IMPROVEMENTS.

PARCEL ID#: 32042081500000
TOTAL PARCEL ACREAGE: 596.68
PROJECT AREA: 6.27 ACRES
WETLANDS, FLOOD PLAINS AND PROTECTED TREES EXIST ON THE SITE.

ISSUED:
10/8/19

OCTOBER 8, 2019

DRMP JOB NUMBER 15-0513004

LEON COUNTY DEPARTMENT OF PUBLIC WORKS
2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308
PHONE (850) 606-1500 * FAX (850) 606-1501

LEON COUNTY PARKS PROJECT MANAGER: LEIGH DAVIS,
LEON COUNTY PUBLIC WORKS PROJECT MANAGER: FELTON ARD, P.E.

Civil Engineer: DRMP, INC.
Surveyor: DRMP, INC.
2882 Remington Green Circle
Tallahassee, Florida 32308
PHONE: (850) 562-9600 FAX: (850) 575-5544
e-mail: BLENNON@DRMP.COM

LEON COUNTY, FLORIDA
APALACHEE REGIONAL PARK
Cross Country Venue Infrastructure Improvements

NOTE: ALL CONSTRUCTION SHALL CONFORM TO FLORIDA DEPARTMENT OF TRANSPORTATION FY 2018-19 EDITION, DESIGN STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE SHOWN OR NOTED IN THESE PLANS


THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:
ON THE DATE ADJACENT TO THE SEAL.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
GENERAL NOTES

3. UNLESS OTHERWISE NOTED, ALL WORK SHALL BE PERFORMED CONSISTENT WITH LEON COUNTY STANDARD SPECIFICATIONS FOR THE EXECUTION OF THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE WORK FORCE TO UNDERTAKE THE SCOPE OF WORK THAT IS TO BE PERFORMED. CONTRACTOR IS RESPONSIBLE FOR THE PROPER SELECTION AND TRAINING OF THEIR WORK FORCE, AS WELL AS THEIR ABILITY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHALL PROVIDE ADEQUATE LABOUR, MATERIALS AND EQUIPMENT TO COMPLETE THE WORK AS PERMITTED BY THE CONTRACT DOCUMENTS.

4. THE PROJECT DESIGN HAS BEEN BASED UPON FIELD SURVEY AND SITE VISITS CONDUCTED BY DRMP. TO THE BEST OF DRMP’S KNOWLEDGE, THE OPINIONS, STANDARDS AND SPECIFICATIONS CONFORM TO THE LEON COUNTY STANDARD SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR THE SELECTION AND TRAINING OF THEIR WORK FORCE, AS WELL AS THEIR ABILITY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

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CONDITIONS BEING SATISFIED THAT A DIRECTOR SHALL BE NOTIFIED 24 HOURS IN ADVANCE.

2. CONSTRUCT PERIMETER SILT FENCE, TREE BARRICADES, AND SET THE CONTROL POINTS.

3. SEDIMENT AND EROSION CONTROLS TO AUGMENT THOSE DEPICTED SHALL BE COORDINATED WITH THE LEON COUNTY ENVIRONMENTAL INSPECTOR.

4. THE LIMITS OF CLEARING SHALL BE REDUCED TO THE EXTENT PRACTICABLE AND DISTURBED SOILS DEEMED NECESSARY BY LEON COUNTY ENVIRONMENTAL INSPECTOR.

5. A BUILDING FOUNDATION PERMIT IS REQUIRED PRIOR TO CLEARING OR FILLING SITE.
1. 36" MIN. COVER REQUIRED FOR 2" FORCEMAIN
2. WATER MAIN SHALL BE PVC C-600 OR 18 OF THE SIZE SPECIFIED ON THE PLANS.
3. GRAVITY SANITARY SEWER PIPE SHALL BE PVC SDR 35, ASTM D 3034, OF THE SIZE SPECIFIED.
4. SANITARY FORCE MAIN SHALL BE HDPE DR 25 TEE INSTALLED BY TALQUIN.

ENGINEERS

EXISTING 8" FORCE MAIN

PROPOSED 8" FIRE LINE

TIE INTO EXISTING 8" WATER MAIN

EXISTING 8" WATER MAIN

FIRE LINE AND WATER MAIN: BEGIN TO STA: 13+00

PROPERTY LINE

42" OAK

30" OAK

22" OAK

18" OAK

10" OAK

60" OAK

105°

45°

15°

RCPI

DRAINAGE

APALACHEE PKWY

PARK INFORMATION SIGN

FORCE MAIN: BEGIN TO STA: 13+00

SCHOOL BUS STOP AHEAD

APPROXIMATE PROPERTY LINE

PROPERTY LINE

FORCE MAIN

UTILITY PLAN AND PROFILE

INFRASTRUCTURE IMPROVEMENTS

ELECTRIC COOPERATIVE

CONSTRUCTED BY TALQUIN

DCVA

PEE

APPROXIMATE PROPERTY LINE

12" OAK

12" OAK

10" OAK

6" OAK

5" OAK

4" OAK

3" OAK

2" OAK

1" OAK

3" PVC WATER LINE

BACKFILL GRADE

3" MIN. COVER REQUIRED FOR 2" FORCE MAIN

SDR 35, ASTM D 3034, OF THE SIZE SPECIFIED.

EXISTING 8" WATER MAIN

8" ∅ D.I.P. FIRE LINE

PROPOSED 2" SANITARY FORCE MAIN

3" PVC WATER LINE TO BE INSTALLED BY TALQUIN ELECTRICAL COOPERATIVE

3" PVC WET TAP EXISTING WATER MAIN WITH 8" X 8" TAPPING SLEEVE AND 8" VALVE TO BE INSTALLED BY CONTRACTOR.

8" ∅ PVC WATER LINE

110°

36" MIN. COVER (TYP)

UTILITY PLAN AND PROFILE

INFRASTRUCTURE IMPROVEMENTS

ELECTRIC COOPERATIVE

CONSTRUCTED BY TALQUIN

DCVA

PEE

APPROXIMATE PROPERTY LINE

12" OAK

12" OAK

10" OAK

6" OAK

5" OAK

4" OAK

3" OAK

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3" PVC WATER LINE

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8" ∅ PVC WATER LINE

110°

36" MIN. COVER (TYP)
TRAFFIC IN THE REPAIR AREA UNTIL THE TURF IS RE-ESTABLISHED. SHALL BE TEMPORARILY FENCED, STAKED, AND OR FLAGGED TO PREVENT SODDED OR SEEDED AS NECESSARY TO RE-ESTABLISH THE TURF. THESE AREAS HIGHLY MAINTAINED TO PREVENT EROSION AND MUDDY AREAS AND MAINTAIN A N.T.S.

THE TWO GRASS PARKING AREAS FOR THE CROSS COUNTRY VENUE SHALL BE ACCESSIBLE PARKING STRIPING 15-0513.004 BETWEEN BLUE AND WHITE STRIPES.

1. EACH SUCH PARKING SPACE SHALL BE CONSPICUOUSLY STRIPED IN BLUE WITH A 6" WIDE BLUE STRIPE ALONG THE CENTER OF THE PARKING SPACE. PARKING SPACE WIDTH SHALL BE MEASURED FROM CENTER TO CENTER 15" TO 18".

2. PARKING SPACE WIDTH SHALL BE MEASURED FROM CENTER TO CENTER 2" (TYP).

3. ALL LETTERS SHALL BE BLACK AND 1½" IN HEIGHT, LETTERS ARE TO BE SERIES ALL LETTERS SHALL BE 1" IN HEIGHT. LETTERS ARE TO BE SERIES ALL LETTERS SHALL BE BLACK AND 1½ IN HEIGHT. LETTERS ARE TO BE SERIES 1½ IN HEIGHT.

4. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED DESIGNING (SHOWN) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.

5. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED DESIGNING (SHOWN) WHITE BACKGROUND WITH BLACK BORDER.

NOTE: (HANDICAP SIGN ONLY)
1. ALL LETTERS SHALL BE BLACK AND 1½" IN HEIGHT, LETTERS ARE TO BE SERIES ONE LETTER PER INCH AND ALL LETTERS SHALL BE BLACK AND 1½" IN HEIGHT. LETTERS ARE TO BE SERIES ONE LETTER PER INCH AND ALL LETTERS SHALL BE BLACK AND 1½" IN HEIGHT. LETTERS ARE TO BE SERIES ONE LETTER PER INCH AND ALL LETTERS SHALL BE BLACK AND 1½" IN HEIGHT.

2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED DESIGNING (SHOWN) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.

3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED DESIGNING (SHOWN) WHITE BACKGROUND WITH BLACK BORDER.

4. ALL PARKING SPACES SHALL BE IDENTIFIED BY THE CAPTION "PARKING BY DISABLED PERMIT ONLY". SUCH SIGNS SHALL BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, ANGLES BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

5. HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH FULL SCALE SCALE SIGN MUST BE 24" H 18" W. ALL SIGNS SHALL BE INSTALLED UPRIGHT AND LEVEL. THE CAPTION "PARKING BY DISABLED PERMIT ONLY" MUST BE STREAMLINE, ENSURE SIGNS ARE FLUSH TO PREVENT TRAFFIC IN THE NON-ACCESSIBLE AREA. THE SIGN IS AN EMBLEM.
PROFILE VIEW

15-0513.004

MCDONALD 76101W OR EQUAL.

1" NL BALL STYLE CURB STOP.

FRONT VIEW

1" SCH.40 PVC

GALV. 24"

GALVANIZED PIPE

WITH FOAM 3/4" PIPE INSULATION COVER

24"

HANGER

FOAM PIPE INSULATION

3/4" GALVANIZED COVER WITH NYLON STRAPS TO CAPABLE OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.

PHONE: 850.562.9600  WWW.DRMP.COM

SEWER SERVICE CLEANOUT COVER ASSEMBLY

7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF R/W UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.

6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.

5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.

4. 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX (12" MIN) FOR PIPE DIAMETER 24" AND LARGER.

3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH COUNTY STAFF

2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.

1. INITIAL BACKFILL AND HAUNCHING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY

12" LIFTS MAXIMUM

NOTE 3)

BEDDING

NOTE 1)

SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH COUNTY STAFF

12" LIFTS MAXIMUM

W/ SIZE OF PIPE

VARIES

TRENCH WIDTH

FINAL GRADE

SEPARATION

REINFORCED CONCRETE 2'-0" MIN.

WEIGHT VEHICLES (8 TON MAX) TO KEEP ON現圧 OR DEPT. APPROVED EQ.

CONCRETE MIXTURE "SACRETE"

APALACHEE REGIONAL PARK CROSSTIE VENUE CROSS COUNTRY VENUE IMROVEMENTS

UTILITY DETAILS: 3 PER JOINT

RPZ & WATER STAND - DESIGN DETAILS - TYPICAL

NOTE:

1. ALL FITTINGS & FITTINGS 3, 6, 12" SHALL BE THREADED SCH 40 GALVANIZED STEEL OR EQUAL. 2" RUBBER NIPPLE.

2. ALL PIPE LOCATING WIRE shall be #10 GAUGE SOLID COPPER.

3. NOTE 4) 30" MAX

FIRE CLIPPER POE WITH COUNTY STAFF

TO RPZ & WATER STAND - TYPICAL

Hose BIBB Details
8. Curb stops shall be the same size as the service tubing.
9. Trace wire to be installed as per this detail.

HDPE Water Service Installation Notes:
- 36" (min) cover
- Long Service
- Right of Way Line
- Finish Grade 1'-0" (max)
- Short Service
- Long Service
- Trace Wire to be installed as per this detail.
LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

Other Pipe

Crossings (1)

Joint Spacing @ Crossings (Full Joint Centered)

Alternate 3 ft. minimum

Vacuum Sanitary Sewer

Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)

Water Main

12 inches is the minimum separation

Alternate 6 ft. minimum

(1) Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.

(2) Reclaimed water regulated under Part III of Chapter 62-610, F.A.C.

(3) 3 ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.

(4) Reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

NOTE: MINIMUM SEPARATION DIMENSIONS MUST BE APPROVED BY TALQUIN.
ELEVATION SECTION

PERMANENT SEEDING

(TO BE USED IN SELECT CONSTRUCTION TO STABILIZE SOIL AND MEASURE ADOPTION)

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<td>1 MARCH-30 SEPTEMBER</td>
<td>15 JULY-30 JANUARY</td>
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VEGETATIVE PLAN

SEEDING

CONSTRUCTION SPECIFICATIONS:

1. PERMANENT SEEDING ON GRASS. LEFT SEEDING FOR 1 YEAR OR MORE. APPLY PERMANENT SEEDING WHERE US FURTHER PROTECTED BY HAY, STRAW OR HAY/WOOL COMBINATION. USE GEOTEXTILE FABRIC TO STABILIZE THE SEEDING FOR LATER USE OR WATER STORAGE.

2. FENCE MUST MEET THE REQUIREMENTS OF FDOT, STANDARD SPECIFICATIONS, AS APPLIED. FENCES SHALL BE INSTALLED AT THE LOCATION WHERE THEY ARE NEEDED. FENCE POSTS TO BE USED BARELY BURIED OR BURIED 12" DEEP IN MATERIALS. THE CONTRACTOR SHOULDS BE THE RESPONSIBILITY OF THE CONTRACTOR.

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**PREPARED BY: Mark L. Baker, RLA, ASLA**
**LANDSCAPE FORMS, INC.**
**FLORIDA CERTIFICATION NO. 6666776**

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**TABLE: BACKLESS BENCH DETAILS**

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**CONCRETE DETAILS**

- 12-16" CONCRETE FOOTING
- 1'-8" CONCRETE FOOTING
- 1'-10" CONCRETE FOOTING
- 2'-0" CONCRETE FOOTING
- 2'-6" CONCRETE FOOTING

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**BICYCLE REPAIR STATION DETAILS**

- Model: Dero Heavy Duty Hoop
- Finish: Stainless Steel
- Color: by owner
- Color: Green
- Receptacle with liner
- Model M1/G Strap Anchor Mount

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**CONSTRUCTION DRAWING**

- Drawn by: Wood Partners Inc.
- Date: 09/19/2019
- Project: Presidio

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**ASSOCIATE MEMBERS**

- LANDSCAPE FORMS, INC. LAND PLANNERS
- LANDSCAPE FORMS, INC. LANDSCAPE ARCHITECTS

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**NOTES**

- Note: Submit signed and sealed shop drawings.
- Note: Excepted items for filing, no drawing details are shown.

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**DRAWING INFORMATION**

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- INTENDED USE IS LIMITED TO DESIGN PROFESSIONALS SPECIFYING LANDSCAPE FORMS, INC. PRODUCTS.
BUFFER PLANTING SCHEDULE:

<table>
<thead>
<tr>
<th>CODE</th>
<th>QTY</th>
<th>CODE</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHRUBS</td>
<td></td>
<td>TREES</td>
<td></td>
</tr>
<tr>
<td>JUFI2</td>
<td>1</td>
<td>PIPA 8</td>
<td>1</td>
</tr>
<tr>
<td>ILAT2</td>
<td>2</td>
<td>PIPM 7</td>
<td>2</td>
</tr>
<tr>
<td>QUVI2</td>
<td>1</td>
<td>QUVI 1</td>
<td>1</td>
</tr>
<tr>
<td>MAGR 2</td>
<td>2</td>
<td>MAGR 2</td>
<td>2</td>
</tr>
<tr>
<td>JUSI 2</td>
<td>2</td>
<td>JUSI 2</td>
<td>2</td>
</tr>
</tbody>
</table>

**Notes:**
- Prior to commencement of landscape installation for the proposed buffer zone, the contractor will schedule a site meeting with the owner and owner's representatives to field verify the location of the proposed buffer plants.
**PLANTING SCHEDULE**

<table>
<thead>
<tr>
<th>QTY</th>
<th>BOTANICAL / COMMON NAME</th>
<th>TYPE</th>
<th>FIRM AREA</th>
<th>CONTRACTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Lilac (Lilac) / Bergenia - Bergenia</td>
<td>FG B&amp;B</td>
<td>2 C.T.</td>
<td>2' - 3'</td>
</tr>
<tr>
<td>2</td>
<td>Jasmine (Jasmine) / Southern mock orange</td>
<td>FG B&amp;B</td>
<td>2 C.T.</td>
<td>2' - 3'</td>
</tr>
<tr>
<td>2</td>
<td>White frangipani / Poinciana frangipani</td>
<td>FG B&amp;B</td>
<td>2 C.T.</td>
<td>2' - 3'</td>
</tr>
<tr>
<td>7</td>
<td>Indian holly / Taxus baccata</td>
<td>FG B&amp;B</td>
<td>2 C.T.</td>
<td>2' - 3'</td>
</tr>
<tr>
<td>2</td>
<td>Dwarf fakahatchee grass / Tripsacum floridanum</td>
<td>FG B&amp;B</td>
<td>2 C.T.</td>
<td>2' - 3'</td>
</tr>
<tr>
<td>5</td>
<td>Pink lantana / Lantana camara</td>
<td>FG B&amp;B</td>
<td>2 C.T.</td>
<td>2' - 3'</td>
</tr>
</tbody>
</table>

**PLANTING DETAIL NOTES:**

1. The contractor shall furnish all plant materials as specified in the plans and specifications. Alterations or substitutions shall be in accordance with the owner's representation.

2. The contractor shall apply 3% mycorrhizal inoculant to each tree planted. MYCORRIZAL INOCULANT

3. The contractor shall apply a mycorrhizal inoculant and 100% organic starter fertilizer to each new tree planted in accordance with the manufacturer's recommendations.

4. The contractor shall apply 0.25% 15-05-13 fertilizer to each new tree planted in accordance with the manufacturer's recommendations.

5. The contractor shall apply organic amendments to the planting area to a depth of 4" as specified by the design standards.

6. All plants, materials and workmanship are subject to the approval of the owner's representative.

7. The contractor shall not make substitutions or variations without the owner's written permission.

8. The contractor shall maintain all plantings including watering, pruning, pulling weeds, root control, letter removal, removal of undesirable vegetation, maintenance of beds and borders of mulches, etc., until final acceptance by the owner's representative.

9. The contractor shall keep all areas of work clean and neat. All ready gathered surfaces are to be cleaned and worked at the close of the work day.

10. Sod shall be removed as needed to avoid all dead roots, glories or undesirable locations. All pruning shall be in accordance with the specifications and shall preserve the natural habit and character of the plant.

11. Irrigation systems to be installed shall be designed with 4" pipe, valves, fittings and control devices to preserve 100% coverage of all landscape areas.

12. Contractor is responsible for maintaining all planting areas in accordance with the specifications before the planting operation begins.

13. The contractor shall prepare the planting area to a depth of 6" and compact the soil to a depth of 6" using an approved organic fill, i.e., loose sand. Mulch shall be applied immediately after compaction of the planting operation. The limits of installation shall be as shown on the plans, or a deviation from the plans, the area of the plans area, or in accordance with the specifications.

14. Contractor shall notify all that plant material is available as specified in the specifications. The specification is submitted.

15. Plants with brown root balls, brown roots or substantial damage to the root system shall not be accepted.

16. The contractor shall verify all quantities and sizes of the planting schedule and installation. All plants and materials as specified shall be installed. Required plant sizes for each plant shall include all other relevant, materials, e.g., approved fill, fertilizers, etc. The labor, etc. In some instances, which may not appear on the plant schedule.

17. The contractor shall frame trees for approval prior to installation. Any conflicts or discrepancies shall be field collected and approved by the owner's representative prior to installation.

18. No tree planting shall occur within the railroad zone or areas as specified by the design standards. The railroad zone is the area where the railroad right-of-way begins. Any tree planting shall be the location of the railroad planting, the railroad in the railroad area, or in the railroad area. The railroad area is subject to railroad inspection and reviewed by the railroad and railroad representative. The railroad area is subject to railroad inspection and reviewed by the railroad and railroad representative. Installation shall not be considered complete until the railroad area has written approval from the railroad personnel. The railroad area shall specifically specify the types, conditions, materials and conditions. Actual review of all railroad areas.

19. The contractor shall frame the location of all trees planting. The egress of railroad right-of-way begins at the railroad area. The railroad area is subject to railroad inspection and reviewed by the railroad and railroad representative. Any tree planting shall be the location of the railroad planting, the railroad in the railroad area, or in the railroad area. The railroad area is subject to railroad inspection and reviewed by the railroad and railroad representative. Installation shall not be considered complete until the railroad area has written approval from the railroad personnel. The railroad area shall specifically specify the types, conditions, materials and conditions. Actual review of all railroad areas.

20. The contractor shall apply 3% mycorrhizal inoculant to each tree planted in accordance with the manufacturer's recommendations. MYCORRIZAL INOCULANT

21. The contractor shall apply a mycorrhizal inoculant and 100% organic starter fertilizer to each new tree planted in accordance with the manufacturer's recommendations.

22. The contractor shall apply 0.25% 15-05-13 fertilizer to each new tree planted in accordance with the manufacturer's recommendations.

23. The contractor shall apply organic amendments to the planting area to a depth of 4" as specified by the design standards.

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25. All plants, materials and workmanship are subject to the approval of the owner's representative.

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LANDSCAPE TECHNICAL MAINTENANCE PLAN

Maintenance Operation

<table>
<thead>
<tr>
<th>Week/Month</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
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<tbody>
<tr>
<td>Mowing</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
</tr>
<tr>
<td>Edging</td>
<td>X</td>
<td>X</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
</tr>
</tbody>
</table>

Mow twice per month beginning April 1 through October 31. Set mower height to avoid scalping the turf. No lower than 3 inches.

Edging by mechanical edge, same frequency as mowing.

Owner to edge landscape planting beds, sidewalks, and curbs within project limits.

**Recommended Watering Schedule**

<table>
<thead>
<tr>
<th>Caliper</th>
<th>Trees (Watering Frequency)</th>
<th>Shrubs (Watering Frequency)</th>
<th>Watering General Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;2&quot; Caliper</td>
<td>As provided for in the irrigation plans / system design.</td>
<td>As provided for in the irrigation plans / system design.</td>
<td>The Owner shall water all landscape plants and turf grass as needed after establishment to meet proper maintenance conditions as described in the landscape plan. Watering shall be the sole responsibility of the Owner and optional after a 12 month establishment period. The Owner shall water as required to ensure plant establishment using an irrigation system. Never apply irrigation of the soil is saturated. Supplemental watering is applied to encourage vigorous growth and plant establishment.</td>
</tr>
<tr>
<td>2-4&quot; Caliper</td>
<td>As provided for in the irrigation plans / system design.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Recommended Weed Control**

Owner to weed all planting beds twice per month. Landscape areas shall be kept weed free.

**Pruning**

Must maintain Florida #1 or better form.

Pruning for trees, shrubs, and groundcovers to be performed in accordance with the ANSI A300 guidelines and FDOT design standard index 546. All trees within medians shall be pruned to maintain sight distance for vehicles and pedestrians. Additionally, prune trees as needed to remove dead, diseased, or broken branches, fronds, and seed heads.

**Fertilization**

Trees and shrubs shall be fertilized using a slow release fertilizer that contains at least 50% of the available nitrogen in a slow release form. Fertilizer analysis shall be a NPK ratio of 2-1-1, a rate recommended by soil fertility analysis.

Trees, shrubs, and ground covers are to be fertilized by top dressing the root zone of the plants and trees, using approved methods. All materials and performance of work shall meet Florida Best Management Practices for the Protection of Water Resources by the Green Industry and all other applicable state and federal health and safety laws.

**Litter Removal**

Litter removal within the project limits. To be completed in conjunction with the mowing schedule, but immediately prior to mowing. The months of November, December, and January shall also have litter removed once per month.

**Mulching 3" Depth Pine Bark Nuggets**

Mulch should be maintained year-round.

Mulch shall be free of vegetable yard waste, plastic, glass, metal, palm fronds, sand, and other foreign materials. Mulch shall be consistent in appearance. Mulch shall be free from viable non-native seed, weed, and grass seed. Maintain a continuous 3" layer of mulch in all planted and mulched areas with the exception of trees. Mulch shall not cover the root ball of any landscape tree.

**Tree Staking**

Stake and Guy trees at time of installation.

The Owner shall maintain, repair, and replace all staking materials as needed to keep trees upright and to prevent girdling. The Owner shall remove staking at the end of the one year establishment period or upon plan establishment. Refer to landscape details for staking and guyings.

**Disease and Insect Control**

Owner to inspect all landscape material on a monthly basis for insects, mites, fungi, etc., and apply correct control products as needed per manufacturer's specifications; to prevent landscape material from falling below the minimum maintenance condition outlined in the landscape plan and contract documents.

**Plants Material Replacement**

The Owner shall replace all dead and substandard material (see landscape plan and contract documents) in accordance with the Environmental Management Permit.