NOTE: ALL CONSTRUCTION SHALL CONFORM TO FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) 2010 DESIGN STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JANUARY 2010, WITH LCPW ADDENDA AND ALL ADA STATE & FEDERAL REQUIREMENTS.

PROJECT SUMMARY:
THIS PROJECT IS FOR THE CONSTRUCTION OF A ROUNDABOUT AND SIDEWALKS TO TIE EXISTING ROAD FOR KINHEGA DR. AND BEECH RIDGE TRL.

Parcel ID: KINHEGA RD. R/W

MARCH 27, 2015
GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL WORK SHALL BE PERFORMED CONSISTENT WITH FDOT SPECIFICATIONS AND PER GENERAL NOTES.

REASONABLE AND REQUIRED PROTECTION TO PREVENT INJURY, DAMAGE OR LOSS TO:

- PRUDENT STEPS TO ENSURE THAT ACCESS TO EXCAVATIONS BY UNAUTHORIZED INDIVIDUALS IS PREVENTED.
- ORDINANCES, RULES, STATUTES, REGULATIONS OR PERMIT CONDITIONS, (INCLUDING BUT NOT LIMITED TO CFR 1926 REGULATIONS OR PERMIT CONDITIONS, AND GUIDELINES AND RECOMMENDATIONS PERTAINING TO THE SAFE CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE AND REQUIRED SAFEGUARDS FOR THE SAFETY AND SECURITY OF ALL PERSONNEL WORKING IN OR NEAR THE AREA OF EXCAVATION, AND THE GENERAL PUBLIC.
- ALL METER BOXES, VALVE BOXES, MANHOLES, AND OTHER UTILITY APPEARANCES SHALL BE RELOCATED TO REFLECT THE PROPOSED GRADE AND SLOPE.
- SERVICES RELATED TO TREE PRUNING AND IMPACTS TO ANY TREE THAT FALL WITHIN THE CRITICAL PROTECTION ZONE HERRINGBONE, COLOR IS PAVEWAY SYSTEMS ROSE RED. CROSSWALKS SHALL HAVE SOLDIER COURSE BORDER.

2. IN THE EVENT THE CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE PLANS OR SPECIFICATIONS, HE SHALL IMMEDIATELY NOTIFY OWNER OR OWNER'S REPRESENTATIVE OF RECORD.

3. CONTRACTOR SHALL BE RESPONSIBLE TO OWNER AND DESIGN ENGINEER FOR THE ACTS AND OMISSIONS OF THE CONTRACTOR'S EMPLOYEES, AGENTS, SUBCONTRACTORS, SUBCONTRACTORS' EMPLOYEES, INDEPENDENT CONTRACTORS AND OTHER AGENTS, EMPLOYEES, SUBCONTRACTORS, AGENTS AND EMPLOYEES OF ANY SUBCONTRACTOR OR INDEPENDENT CONTRACTOR, AND ANY OTHER PERSONS ACTING ON BEHALF OF THE CONTRACTOR, INCLUDING, WITHOUT LIMITATION, PERSONAL INJURY, DEATH OR DAMAGE TO PROPERTY, CAUSED BY OR ARISING OUT OF THE CARELESSNESS, NEGLIGENCE, ACTIONS, OMISSIONS, OR ACTS OF SUCH PERSONS, OR ANY EQUIPMENT OR MATERIALS SUPPLIED OR PROVIDED OR DESIGNED OR PROVIDED TO PROTECT THE ENVIRONMENT OR TO INSURE THE SAFETY OF PERSONNEL, WHILE PERFORMING ANY WORK UNDER THIS AGREEMENT, AND THE CONTRACTOR SHALL DEFEND AND HOLD HARMLESS AND INDEMNIFY OWNER AGAINST ANY AND ALL SUCH CLAIMS, LOSSES, DAMAGES OR OTHER MONETARY OR NON-MONETARY LIABILITIES AND EXPENSES OF ANY KIND OR NATURE, INCLUDING, BUT NOT LIMITED TO, THE COST OF ANY LITIGATION.

4. ALL WORK PERFORMED UNDER THIS CONTRACT, AND ALL EQUIPMENT, APPLIANCES, TOOLS AND LIKE ITEMS USED OR APPLIED TO THE SITE, SHALL RETAIN THE PROPERTY RIGHTS OF THEIR RESPECTIVE OWNERS.

5. CONTRACTOR SHALL PROVIDE AND MAINTAIN PROOF OF INSURANCE RESPONSIBLE FOR ANY RISK,负担所有风险，以及赔偿任何损失。

6. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN AN ADEQUATE NUMBER OF WORKERS AVAILABLE AS WELL AS CAPABLE OF PROVIDING THE SERVICES RELATED TO TREE PRUNING AND IMPACTS TO ANY TREE THAT FALL WITHIN THE CRITICAL PROTECTION ZONE.

7. CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ANY DISTURBANCE BEYOND THE PERMITTED LIMITS OF CLEARING.

8. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL SUPPLIES, MATERIALS AND WASTE CONTAINING HAZARDOUS MATERIALS FROM THE JOB SITE.

9. ALL METER BOXES, VALVE BOXES, MANHOLES, AND OTHER UTILITY APPEARANCES SHALL BE RELOCATED TO REFLECT THE PROPOSED GRADE AND SLOPE.

10. ANY EXISTING VALVE BOXES OR MANHOLES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RAISED AS NECESSARY TO SECURE PROTECTION OF ALL INCOMPLETE WORK, MATERIALS AND EQUIPMENT STORED ON-SITE AND OFFSITE, AND ARE SUBJECT TO DAMAGE, BECAUSE OF ACTIVITIES OR EVENTS IN THE VICINITY OF ANY FOUND ARTIFACTS AND THE APPROPRIATE AUTHORITIES SHALL BE NOTIFIED.

11. CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DISTURBANCE BEYOND THE PERMITTED LIMITS OF CLEARING.

12. CONTRACTOR SHALL NOT LOAD, CAUSE OR PERMIT ANY PART OF THE WORK TO BE LOADED SO AS TO ENDANGER THE CONSTRUCTION OR ANY OTHER PROPERTY OWNER.

13. CONTRACTOR SHALL NOT LOSE OR DESTROY ANY RECEP TIBLES OR DOCUMENTS RELATED TO THE CONTRACT, AND SHALL MAINTAIN ALL RECOR DS, INFORMATION AND DOCUMENTS REQUIRED TO Be KEPT UNDER ALL LAWS, ORDINANCES, RULES, STATUTORY REGULATIONS OR PERMIT CONDITIONS, INCLUDING BUT NOT LIMITED TO FEDERAL LAWS AND REGULATIONS AFFECTING THE ENVIRONMENT, INCLUDING, BUT NOT LIMITED TO HAZARDOUS MATERIALS AND DISPOSAL.

14. CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE APPROPRIATE AUTHORITIES OF ANY VIOLATION OF LAWS OR ORDINANCES, INCLUDING, BUT NOT LIMITED TO, THE 1980 COMPREHENSIVE CLEAN AIR ACT. THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY OTHER APPLICABLE FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES, STATUTORY REGULATIONS OR PERMIT CONDITIONS THAT MAY BE APPLICABLE TO THE CONTRACT. CONTRACTOR SHALL ALSO BE RESPONSIBLE TO OBTAIN ANY PERMITS OR LICENSES THAT MAY BE REQUIRED UNDER ANY LAWS, ORDINANCES, RULES, STATUTORY REGULATIONS OR PERMIT CONDITIONS, INCLUDING BUT NOT LIMITED TO, THE 1980 COMPREHENSIVE CLEAN AIR ACT.
CONSTRUCTION SEQUENCE:
1. THE CONTRACTOR SHALL PROVIDE A FINAL PRE-CONSTRUCTION CONFERENCE WITH LEON COUNTY PUBLIC WORKS (LCPW) AND NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT (NWFWMD), NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT (NWFWMD), NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT (NWFWMD), NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT (NWFWMD), NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT (NWFWMD), NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT (NWFWMD). CONTRACTOR SHALL REVIEW ALL PLANS AND SPECIFICATIONS TO INSURE THAT ALL INFORMATION IS CORRECT AND MEETS ALL REQUIREMENTS.
2. CLEARLY "FLAG" THE LIMITS OF CONSTRUCTION AND COMPLETE ALL ARBORIST ACTIVITIES INCLUDING TREE PRUNING, ROOT PRUNING, AND ANY OTHER MOWING OR CLEARING OF TRENCHES OR DITCHES.
3. THE CONTRACTOR SHALL PROVIDE A FINAL PRE-CONSTRUCTION CONFERENCE WITH TITLE COMPANIES TO INSURE THAT ALL INFORMATION IS CORRECT AND MEETS ALL REQUIREMENTS.
4. THE CONTRACTOR SHALL PROVIDE A FINAL PRE-CONSTRUCTION CONFERENCE WITH INSPECTORS TO INSURE THAT ALL INFORMATION IS CORRECT AND MEETS ALL REQUIREMENTS.
5. THE CONTRACTOR SHALL PROVIDE A FINAL PRE-CONSTRUCTION CONFERENCE WITH LOCAL AGENT TO INSURE THAT ALL INFORMATION IS CORRECT AND MEETS ALL REQUIREMENTS.
6. THE CONTRACTOR SHALL PROVIDE A FINAL PRE-CONSTRUCTION CONFERENCE WITH LEON COUNTY ENVIRONMENTAL ASBESTOS INSPECTION (LEAC) TO INSURE THAT ALL INFORMATION IS CORRECT AND MEETS ALL REQUIREMENTS.
7. THE CONTRACTOR SHALL PROVIDE A FINAL PRE-CONSTRUCTION CONFERENCE WITH LEON COUNTY ENVIROINSPECTION (LEAC) TO INSURE THAT ALL INFORMATION IS CORRECT AND MEETS ALL REQUIREMENTS.
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ALL DESIGN AND CONSTRUCTION
IN THIS AREA BY OTHERS
(UNDER CONSTRUCTION)
ALL DESIGN AND CONSTRUCTION IN THIS AREA BY OTHERS
NOTE: WORK OUTSIDE LEON COUNTY RIGHT-OF-WAY IS CONTINGENT UPON RIGHT-OF-ENTRY AGREEMENT OBTAINED FROM PROPERTY OWNERS. IF A RIGHT-OF-ENTRY CANNOT BE OBTAINED, THE PIPE SHALL BE REPLACED TO THE PIPE JOINT CLOSEST TO THE RIGHT-OF-WAY LINE WITHOUT IMPACTING PRIVATE PROPERTY.
NOTES:
1. THIS PLAN FOR INFORMATIONAL PURPOSES ONLY TO DEPICT THE RELATIVE LOCATION OF PROPOSED UTILITIES.
2. TELECOMMUNICATION AND CABLE TO BE REMOVED PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO COORDINATE WITH TEC TO INSTALL WATER AND POWER DURING CONSTRUCTION.
4. EXISTING WATER TO BE REMOVED. NEW WATER LINES SHOWN.
NOTE: ALL EXISTING WATER FROM STATION 31+05 TO 35+79 TO BE REMOVED. SEE UTILITIES RELOCATION (SHEET 2) FOR FURTHER DETAILS.
11+50.96

185

190

195

0

20

40

60

80

100

0

-20

-40

-60

-80

-100

SD-9 (B-4)

STA 11+50.54 (27.89 RT)

CONST. Index No. 210 - Curb

Inlet Type 2 with Rectangular Bottom

INLET EL. 190.56

FL 187.10 NE

FL 187.10 NW

SD-10 (B-3)

STA 11+51.60 (21.68 LT)

CONST. Index No. 210 - Curb

Inlet Type 2 with Rectangular Bottom

INLET EL. 190.56

FL 187.00 SE

FL 187.00 W

SD-8 (B-5)

STA 12+69.60 (58.93 RT)

CONST. Index No. 210 - Curb

Inlet Type 1 (Left) with Rectangular Bottom

INLET EL. 192.09

FL 187.50 E

FL 187.50 SW

SD-6

STA 14+43.46 (13.80 LT)

CONST. Index No. 211 - Curb

Inlet Type 5 (Left) with Rectangular Structure Bottom

INLET EL. 186.86

FL 182.50 SE

FL 182.50 SW

SD-6A

STA 14+43.04 (26.64 RT)

CONST. Index No. 232 - Type C

INLET EL. 186.55

FL 182.70 NW

EXISTING 6" GAS

R/W

EXIST WATER

EXIST SS

R/W

R/W

190

195

-40

SCALE:

H: 1"=20'

V: 1"=10'

CONST. BEECH RIDGE

KINHEGA & BEECH RIDGE ROUNDABOUT

FINAL PLANS

LENOX COUNTY DEPARTMENT OF PUBLIC WORKS

DRMP

AS SHOWN
TYPICAL ASPHALT SECTION

Saucut existing asphalt where matches roadway

Limerock base LBR100

1" of SP 9.5

1.5" of SP 12.5

12" stabilized subgrade

Type B

Construct sidewalk per FDOT specifications adding fibermesh for additional strength (FDOT SI 310).

Round w/ edger (Typ)

TYPICAL CONCRETE SIDEWALK/DRIVE SECTION

2% Max

6"

12"

NOTE: Where sidewalk adjoins a roadway detectable warning shall be installed per FDOT design standards (FDOT SI 304).

Finished grade

5' 1 2" Max.

Roadway

2% Typ

Type F curb and gutter (FDOT SI 300)

1.5% Typ

2% Max

Raised sidewalk detail

Note: where sidewalk is immediately adjacent to roadway (FDOT SI 310)

Round w/ edger (Typ)

6" Max.

Tie to existing grade 1:4 Typ. (1:2 Max.)

Roadway

2% Max

Type F curb and gutter (FDOT SI 300)

1.5% Typ

2% Max

Paveway systems STS

Paver truck apron (5/32" thick)

Round w/ edger (Typ)

STARK MILL & RESURFACE SECTION

Existing base

Resurface with 1" SP9.5 (top)

AND 1.5" SP12.5 (bottom)

Mill 2.5" of asphalt

Existing subgrade

8" avg

(varies)

SECTION A-A, RIP RAP DETAIL 1

Notes:

1. EOS is not larger than U.S. 40 (Max)

2. Tensile strength = 200lb

3. Bursting strength = 500lb

4. Puncture resistance = 100lb

5. Grab elongation = 65lb

Conform to ASTM D-1682 or ASTM D-177

See plan sheets for actual dimensions for rip rap aprons.

Typical Kinhega Drive roadway section

Base subgrade

Asphalt

Varies

See plan

Tie to existing grade (1:2 Max.)

Sidewalk (See Detail)

6'

Type RA curb and gutter (FDOT SI 300)

TYPICAL ROUNDABOUT SECTION

See paver truck apron detail

Varies

See plan

2% Max

2% Typ

2% Max

Landscape area

Tie to existing grade (1:2 Max.)

Sidewalk (See Detail)

5'

Type RA curb and gutter (FDOT SI 300)

TYPICAL KINHEGA DRIVE ROADWAY SECTION

Base subgrade

Asphalt

Varies

See plan

Tie to existing grade 1:4 Typ. (1:2 Max.)

Sidewalk (See Detail)

6'

Type RA curb and gutter (FDOT SI 300)

TYPICAL BEECH RIDGE TRAIL ROADWAY SECTION

Base subgrade

Asphalt

Varies

See plan

Tie to existing grade 1:4 Typ. (1:2 Max.)

Sidewalk (See Detail)

5'

Type RA curb and gutter (FDOT SI 300)

TYPICAL ROUNDABOUT SECTION

Note: all splitter islands small make type RA curbing installed (foot 83 300)

Note: all splitter islands shall have type RA curbing installed (FDOT SI 300)
DETAILS FROM FLORIDA EROSION AND SEDIMENTATION CONTROL

AEROSOL

COARSE AGGREGATE
N.S.A. R-2 (1.5"-3.5")

NEWLY SEEDED AREAS NEED TO BE INSPECTED FREQUENTLY TO ENSURE THE GRASS IS GROWING. IF THE SEEDED AREA IS DAMAGED DUE TO LOOSE SEED OR LACK OF PROPER HUMIDITY, PROVIDE GOOD SEED-SOIL CONTACT. APPLY FERTILIZER AS SPECIFIED. APPLY MULCH OR EROSION CONTROL BLANKET, AS SPECIFIED, OVER THE SEEDED AREA. BROADCAST SEED SHOULD BE INCORPORATED INTO THE SOIL BY RAKING OR CHAIN DRAGGING, AND THEN LIGHTLY COMPACTED TO CALIBRATED SEED SPREADERS, CYCLONE SEEDERS, MECHANICAL DRILLS, OR HYDROSEEDER SO THE SEED IS APPLIED UNIFORMLY ON THE SITE. THE SEEDED AREAS WILL BE HARROWED WITH A DISK, SPRING TOOTH DRAG, SPIKE TOOTH DRAG, OR OTHER EQUIPMENT DESIGNED TO AVOID DISTURBING THE SEED. TOPSOIL SURFACE SHOULD BE IN SEASONABLY CLOSE CONFORMITY TO THE LINES, GRADES AND CROSS SECTIONS SHOWN ON THE GRADING PLANS.

WHEN PLS IS BELOW 80% ADJUST RATES ACCORDINGLY. MIX. USE A SEED BLEND TO INCLUDE ANNUALS, PERENNIALS AND LEGUMES. USE SEED RATES BASED ON PURE LIVE SEED (PLS) OF 80%. USE SEEDS APPROPRIATE TO THE SEASON AND SITE CONDITIONS. CONSULT LOCAL AGRONOMIST OR EROSION CONTROL SPECIALISTS FOR SEED SPECIFICATIONS.

CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE/BEYOND THE LIMITS OF THE CONTRACT. THE ESPC PLANS WILL BE "REDLINED" WITH APPROPRIATE BMP'S TO NOTIFY OWNER'S REPRESENTATIVE 48 HOURS PRIOR TO CONSTRUCTION. PERMANENT VEGETATION SHALL BE INSTALLED AS SOON AS PRACTICAL FOLLOWING FINAL GRADING.

PERMANENT VEGETATION AND ALL EROSION CONTROL MEASURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.

ADDITIONAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS REQUIRED BY THE PROJECT AND ALL DEVICES ARE TO BE MAINTAINED AND REPAIRED ON A REGULAR BASIS.

TEMPORARY GRASSING IS TO BE NOT LESS THAN TWO (2) DAYS AFTER COMPLETION OF ANY LAND-DISTURBING ACTIVITIES.

CONTRACTOR TO COMPLETELY SECURE FROM EROSION ANY STOCK PILE OF EARTHEN MATERIALS. ALL HEAD WALLS ARE TO HAVE STORM DRAIN OUTLET PROTECTION AND SILT TRAP DITCHES.

ADDITIONAL EROSION CONTROL DEVICES WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT RESPONSIBILITY.

THE PROFESSIONAL WHO SEALED THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN AND ALL EROSION CONTROL MEASURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING. ADDITIONAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS REQUIRED BY THE PROJECT AND ALL DEVICES ARE TO BE MAINTAINED AND REPAIRED ON A REGULAR BASIS.

1. SEEDING

PLANTS, PLANTING DATES AND RATE PER 1000 SF

<table>
<thead>
<tr>
<th>PLANT</th>
<th>PLANTING DATES</th>
<th>RATE PER 1000 SF</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM-24</td>
<td>JUN, JUL, AUG</td>
<td>0.6 lb.</td>
</tr>
<tr>
<td>RM-27</td>
<td>JUN, JUL, AUG</td>
<td>0.9 lb.</td>
</tr>
<tr>
<td>PL-23</td>
<td>JUN, JUL, AUG</td>
<td>0.9 lb.</td>
</tr>
</tbody>
</table>

2. SODDING

SOIL PREPARATION:

ROLL SOD IMMEDIATELY TO WATER TO A DEPTH OF 4" AS SOON AS THE SOD IS PLACED ON THE SITE. PLOW VEGETATION INTO THE SOIL TO A DEPTH OF 6" AND RAKE INTO A DEEP THATCH - GRASS CLIPPINGS AND OTHER ORGANIC MATTER MUST BE ADEQUATELY TROUGHT TO ENSURE ADEQUATE WATER IN-Absorption. MASON'S TROWEL IS A HANDY TOOLS TO USE IN TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE ANGLED ENDS AND TRIMMING PIECES.

TOPSOIL SURFACE SHOULD BE IN SEASONABLY CLOSE CONFORMITY TO THE LINES, GRADES AND CROSS SECTIONS SHOWN ON THE GRADING PLANS.

CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE/BEYOND THE LIMITS OF THE CONTRACT. THE ESPC PLANS WILL BE "REDLINED" WITH APPROPRIATE BMP'S TO NOTIFY OWNER'S REPRESENTATIVE 48 HOURS PRIOR TO CONSTRUCTION. PERMANENT VEGETATION SHALL BE INSTALLED AS SOON AS PRACTICAL FOLLOWING FINAL GRADING.

PERMANENT VEGETATION AND ALL EROSION CONTROL MEASURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
and ditch installations at drainage structures shall be placed in accordance with Chart ~, Sheet 1 of 3. Note: Spacing for Type ~~~ fence to be in structures Sheet 2 of 3.

Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water. Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water. Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses.

Type ~~~ Silt Fence Protection Around Ditch Bottom Inlets.

Type ~~~ Silt Fence

*SEE SILT FENCE DETAILS ON SHEET 31

Ground slopes toward the toe of slope to be used at selected sites where the natural ground slopes toward the toe of slope.

Anchor top bales with 2 - 2" x 2" x 4' stakes per bale.

Anchor bales with 2 - 2" x 2" x 4' stakes per bale.

Baled straw or straw barriers and silt fences

Ditch installations at drainage structures

Protection around inlets or similar structures

BALES BACKED BY FENCE

Ditch bottom inlet

BALES BACKED BY FENCE

Partial inlet

Completed inlet

Silt fence applications

Ditch installations at drainage structures

Baled straw or straw barriers and silt fences

Barriers for fill slopes

Barriers for paved ditches

Barriers for unpaved ditches

BARRELS FOR PAVING

BARRELS FOR UNPAVING

BARRELS FOR GIANT

BARRELS FOR TURF

BARRELS FOR GRAVEL
# LANDSCAPE TECHNICAL MAINTENANCE PLAN

**Maintenance Operation**

Operations noted herein shall be performed by the contractor during the establishment period. Assume responsibility for proper maintenance condition and plant health as set forth in the landscape plan for a period of 12 months after the final acceptance of work under this contract.

**Week/Month**

<table>
<thead>
<tr>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

**Mowing**

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

| X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |

**Edging**

Contractor to edge landscape planting beds, sidewalks, and curbs within project limits. Edging by mechanical edger, same frequency as mowing.

**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;</td>
<td>Daily for two weeks; every other day for two months, weekly until established.</td>
<td>Daily for the first two weeks; every other day for the remaining two weeks.</td>
<td>The contractor shall water all landscape plants and turf grass as needed after establishment to meet proper maintenance conditions as described in the landscape plan and contract documents. Watering shall be the sole responsibility of the contractor until the 12 month establishment period is accepted by the owner. The contractor shall water as directed using an irrigation system or manual watering procedures is directed by the owner. Never apply irrigation if the soil is saturated. Supplemental watering is applied to encourage vigorous growth and plant establishment.</td>
</tr>
<tr>
<td>2-4&quot;</td>
<td>Daily for one month; every other day for three months; weekly until established.</td>
<td>Month 1 Twice per week</td>
<td></td>
</tr>
<tr>
<td>&gt;4&quot;</td>
<td>Daily for six weeks; every other day for five months; weekly until established.</td>
<td>Month 3 Once per week until established.</td>
<td></td>
</tr>
</tbody>
</table>

**Weed Control**

Contractor to weed all planting beds twice per month. No weed areas shall be kept weed free.

**Pruning**

Must maintain Florida #2, #3, or better form for final acceptance at the end of the 12 month establishment period. Pruning for trees, shrubs, and groundcovers to be performed in accordance with the ANSI A300 guidelines and FOOT 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**

All fertilization methods, timing, and application rates shall be in accordance with Section 10-14 of the Leon County Land Development Code.

**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 applied after landscape material has been installed and air pockets have been filled. Mulch shall be free of vegetation, leaves, and other foreign materials. Mulch shall be consistent in appearance. Mulch shall not cover the root ball of any landscape tree. Mulch shall be applied in month 12 of maintenance establishment period. Mulch shall be approved by the owner prior to installation.

**Tree Staking**

Stake and Guy trees at time of installation. The contractor shall maintain, repair, and or replace all staking materials as needed to keep trees upright and to prevent girdling. The contractor shall remove stakes at the end of the one-year establishment period or as directed by the owner. Refer to landscape details for staking and guyings.

**Disease and Insect Control**

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

**Plant Material Replacement**

The contractor shall replace all dead and substandard materials (see landscape plan and contract documents) within 10 days after receiving written notification.