



Jackson County Board of Commissioners

67 Athens Street
Jefferson, Georgia 30549
Phone: (706) 367-6309
Fax: (706) 708-2505
Email: kmorris@jacksoncountygov.com

REQUEST FOR QUOTE

4/17/24

Quote Number: 240003

Quote Name: Landscaping Installation, Maintenance, and Watering – Jackson County Government Complex Entrances (2)

The Jackson County Government County Manager, is soliciting bids for landscaping installation maintenance, and watering at two entrance locations to the Jackson County Government Complex. Specifications, terms and conditions are attached in Exhibits A & B.

BID DUE DATE/TIME: May 21, 2024 10:00AM

RETURN BID VIA: mail or deliver to:

Jackson County Board of Commissioners
Attn: Purchasing Department – #240003, - Jackson County - Jackson Parkway
Government Complex - Entrance Landscaping & Maintenance
67 Athens Street
Jefferson, GA 30549

MANDATORY PRE-BID: May 1, 2024 at Jackson Co Govt Complex Entrance - Intersection of Jackson Parkway at Highway 15 (*Commerce Rd*), Jefferson, GA 30549.

**Please park alongside roadway entrance.*

DEADLINE FOR QUESTIONS: May 10, 2024 5:00PM

QUOTES DUE DATE/TIME: May 21, 2024 at 10:00AM Eastern Daylight Time

LOCATION: 67 Athens Street, Jefferson, GA 30549

Direct all questions concerning this quote to:

Kenneth Morris

Purchasing Manager

(706) 367-6309

kmorris@jacksoncountygov.com

1. GENERAL INFORMATION FOR BIDDERS:

A. From the issue date of this Request for Quote (RFQ) until an award has been announced, vendors shall not communicate with any Jackson County elected official or employee, with the exception of the name stated above or the Director of Purchasing, concerning this RFQ or any information herein.

B. Whenever the terms “shall”, “must”, “will”, or “is required” are used in the RFQ, the item being referred to is a mandatory requirement of this RFQ and failure to meet any mandatory requirement may be cause for rejection of the bid.

2. QUOTATIONS

A. The County Manager reserves the right to:

- (1) waive formalities and technicalities in any quotation;
- (2) reject any and/or all quotations when in his judgement, it will be in the best interest of the County;
- (3) accept the quotation that in its judgment will be in its best interest of the County;
- (4) purchase from any source, in part or in whole any supplies, equipment or services;
- (5) at its option, award on individual items or on a lump sum basis;
- (6) award this quote to the vendor who in the Board's opinion is most responsive and responsible and will perform in the best interest of the County;
- (7) negotiate final product and final price.

B. Price alone will not be the determining factor in award of this bid.

3. PRICE: Prices quoted shall include all costs and charges to include, but not limited to purchasing, packing, transporting the equipment and/or services described herein. The Jackson County Government is exempt from state sales tax. All fees shall be included in the bid price. Bidders must quote based on the bid unit listed.

4. SAMPLES: If samples are requested by the Board of Commissioners, they shall be at no charge to the BOC and will become property of the BOC, unless return is requested by the bidder in writing in their bid. Return of samples will be at bidder's expense. (N/A)

5. AWARD: This bid will be awarded to one vendor.

6. TRADE NAME: Bidders are required to indicate the brands and models of merchandise and/or services quoted. Unless listed as “brand/model only”, brand names and models listed in specifications are used as a standard of quality and/or clarification of desired product. (N/A)

7. MARKING: Merchandise in full cases shall have an identification marking on the outside of the case. Each case, shipping container, etc. shall be marked with the Purchase Order Number supplied by the Board. (N/A)

8. SAFETY: Material Safety Data Sheets shall be provided for all applicable items.

9. DELIVERY: Delivery of all materials from this quotation must be FOB destination to the Jackson County Board of Commissioners, 67 Athens Street, Jefferson, Georgia 30549. Delivery shall be made within the vendor's quoted days after receipt of order. Any item(s) not delivered within the time limit may be cancelled by BOC at no expense to same. No deliveries are accepted on Saturdays, Sundays or holidays. **DELIVERY SHALL BE ACCOMPLISHED ON WEEKDAYS BETWEEN 8:00AM AND 4:00PM EASTERN TIME.**

10. INSPECTION: All merchandise and services shall be subject to inspection after arrival at destination or completion of work. In case any items are found to be defective or otherwise not in conformity with specifications or statement of work, the Board has the right to reject such items and/or services and return them at bidder's expense.

11. PAYMENT: The Jackson County Board of Commissioners shall make payment for goods and services within thirty (30) days upon receipt, inspection and acceptance by BOC personnel and receipt of invoice. Payment may be made by check or by ACH.

12. FACILITIES AND EQUIPMENT: The bidder shall be responsible for the protection of the Jackson County Government's premises and property, and will be held liable for any damages caused by the bidder, bidder's employee(s) or bidder's agent(s) during the execution of this bid, resultant purchase orders or contracts.

13. INTERPRETATION: If a bidder contemplating submitting a price quotation is in doubt as to the true meaning of any part of these documents, submit a request for interpretation to the Purchasing Manager at kmorris@jacksoncountygov.com.

14. INDEMNIFICATION:

A. The bidder does hereby indemnify and shall hold harmless the Jackson County Government, its Board members, employees, agents, and servants (each of the forgoing being hereafter referred to individually as "Indemnified Party") against all claims, demands, causes of actions, actions, judgments or other liability including attorney's fees (other than liability solely the fault of the Indemnified Party) arising out of, resulting from or in connection with the Bidder's performance or failure to perform this agreement, including but not limited to:

- (1). All injuries or death to persons or damage to property, including theft.
- (2). Bidder's failure to perform all obligations owed to the bidder's employees including any claim the bidder's employees might have or make for privilege, compensation or benefits under any BOC benefit plan.
- (3). any and all sums that are due and owing to the Internal Revenue Service for withholding FICA, and unemployment or other State and Federal taxes.

B. The bidder's obligation to indemnify any Indemnified Party will survive the expiration or termination of this agreement by either party for any reason.

15. FAILURE TO BID: N/A

16. TERM OF CONTRACT: By submitting a bid in response to this ITB, the bidder is agreeing to guarantee bid prices for the period beginning May 21, 2024, and ending one year later. The term may be renewed annually, upon mutual agreement, for a total not to exceed four renewals.

17. BID RECAP:

- A. A bid summary is available via email to kmorris@jacksoncountygov.com to anyone.
- B. After thirty days of bid award, bid documents are available under the Georgia Open Records Act. A written request must be made to the Jackson County Board of Commissioners.

OTHER: The undersigned offers and agrees to furnish any or all of the items upon which prices are quoted at the price set opposite each item, in the quantities described, delivered to the point(s) specified, in accordance with the terms and conditions set forth herein. The laws of the State of Georgia shall prevail concerning all purchases and services under this contract.

Successful bidder will provide proof of insurance and a completed Immigration and Security affidavit. Vendor will also provide proof of certification to apply herbicides and pesticides as called for, either by contractor or sub-contractor.

Either party may cancel this contract with 30 days written notice, without prejudice.

Bidder shall include a minimum of three references from commercial accounts, with this bid proposal.

ATTACHMENTS

PRICING SHEET

EXHIBITS:

- A. Landscape Improvement Plans**
- B. Landscaping & Maintenance Expectations**

I certify that I have read and understand the terms and conditions herein except as stated below. I further state that I am and/or my company is capable, able to, and will provide the requested products and/or service described herein. I am the owner or agent of the company stated below and am authorized and empowered to contract. By my signature on this RFQ, I/we guarantee and certify that all items included in my bid meet or exceed specifications.

I certify that this quotation is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a quotation for the same materials, supplies, equipment, or services and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal Law and can result in fines, prison sentences, and civil damage awards. I agree to abide by all conditions of the quotation and certify that I am authorized to sign this quotation for the Contractor.

SUBMITTED BY _____ DATE _____

TITLE _____ EMAIL: _____

COMPANY NAME _____

ADDRESS _____ CITY _____ ST _____ ZIP _____

TELEPHONE NUMBER _____ FAX NUMBER _____

COMPANY WEBSITE _____

SIGNATURE _____

Jackson Parkway – County Government Complex Entrances (2)

Landscaping Installation & Maintenance

JACKSON PARKWAY AT S.R. 82

AND

JACKSON PARKWAY AT S.R. 15

JEFFERSON, GA 30549

Jackson County, GA

Pricing Sheet

JACKSON PARKWAY AT S.R. 82

- Installation Subtotal = \$_____
- 1 Year Landscaping Upkeep/Maintenance = \$_____/mo. X 12 mo. = \$_____
- Watering = \$_____
- **Total (Installation, Maintenance, & Watering) = \$_____**

JACKSON PARKWAY AT S.R. 15

- Installation Subtotal = \$_____
- 1 Year Landscaping Upkeep/Maintenance = \$_____/mo. X 12 mo. = \$_____
- Watering = \$_____
- **Total (Installation, Maintenance, & Watering) = \$_____**

*Please provide a breakdown of the cost per location.

Total bid \$_____



Know what's below.
Call before you dig.



CERTIFIED LEVEL II DESIGN
PROFESSIONAL
#9834
KEVIN D. WHITE
EXPIRES 04-26-24

24 HOUR CONTACT
MR. BARRY VICKERY
706.286.6363
PROJECT OWNER
JACKSON COUNTY
67 ATHENS ST.
JEFFERSON, GA 30548
706.367.1199
grey@jacksoncountygov.com

TOTAL DISTURBED
ACREAGE: 1.467
TOTAL ACREAGE: 1.884
GPS COORDINATES
OF CONSTRUCTION
ENTRANCE:
34.131369 N LAT
-83.609935 W LON

STANDARD EROSION CONTROL NOTES

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

PRIOR TO LAND-DISTURBING ACTIVITIES, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA EROSION CONTROL INSPECTOR. CALL 706-769-3907 TO CONTACT THE INSPECTOR.

ANY DISTURBED AREA LEFT IDLE FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING. DISTURBED AREAS IDLE 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY.

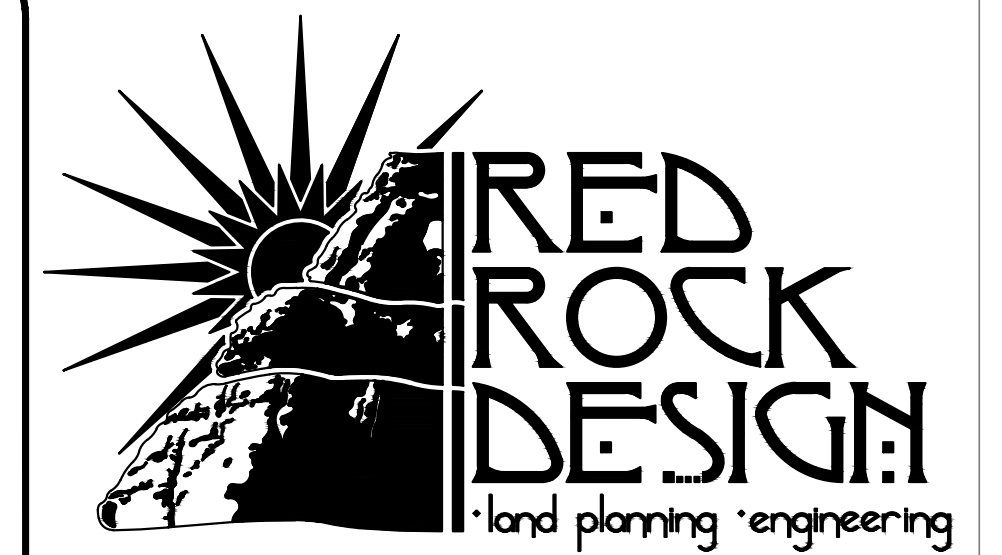
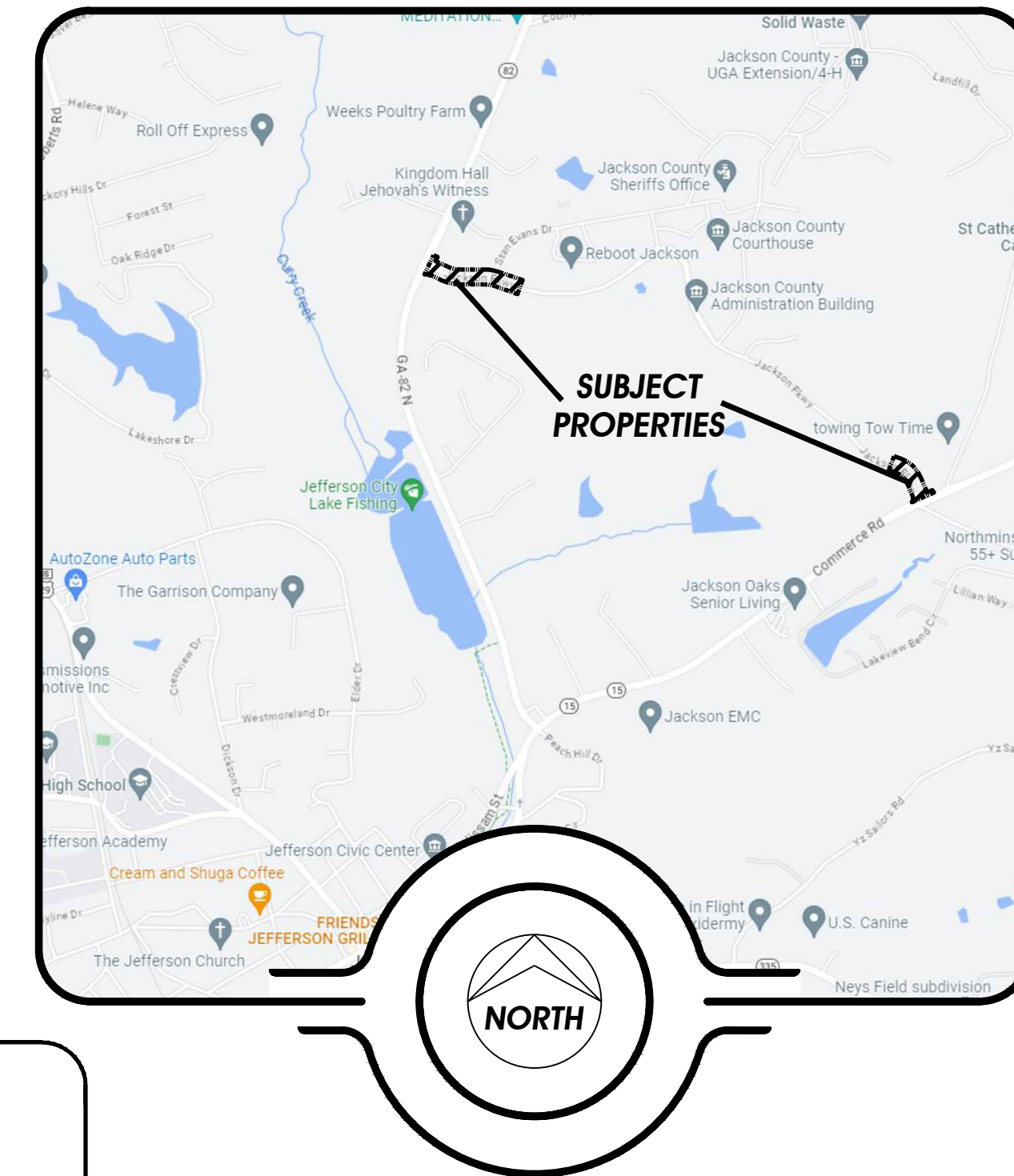
ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.

SILT FENCE SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR SOIL EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION. TYPE A AND TYPE C SILT FENCE MAY BE UTILIZED DEPENDING ON THE VARYING LOT CONDITIONS. TYPE C SILT FENCE MAY BE WIRE-BACKED WITH DOT FABRIC AND METAL POLES OR TYPE C-POP.

A HAUL ROUTE PERMIT IS REQUIRED WHEN MORE THAN 500 CUBIC YARDS OF HAULED WULF MOVE TO OR FROM THE SITE. PLANS MUST INCLUDE A STATEMENT INDICATING WHETHER OR NOT A HAUL ROUTE PERMIT IS REQUIRED.

LANDSCAPE IMPROVEMENT PLANS FOR JACKSON COUNTY BOARD OF COMMISSIONERS JACKSON PARKWAY AT S.R. 82 AND JACKSON PARKWAY AT S.R. 15 JEFFERSON, GA 30549

THE SUBJECT AREAS ARE LOCATED WITHIN COUNTY R.O.W.



P.O. BOX 1122
JEFFERSON, GA 30549
678.227.4545
david@redrockga.com

JACKSON PARKWAY LANDSCAPE IMPROVEMENTS

INTERSECTIONS OF
S.R. 82 AND S.R. 15
JEFFERSON, GA 30548
JACKSON COUNTY

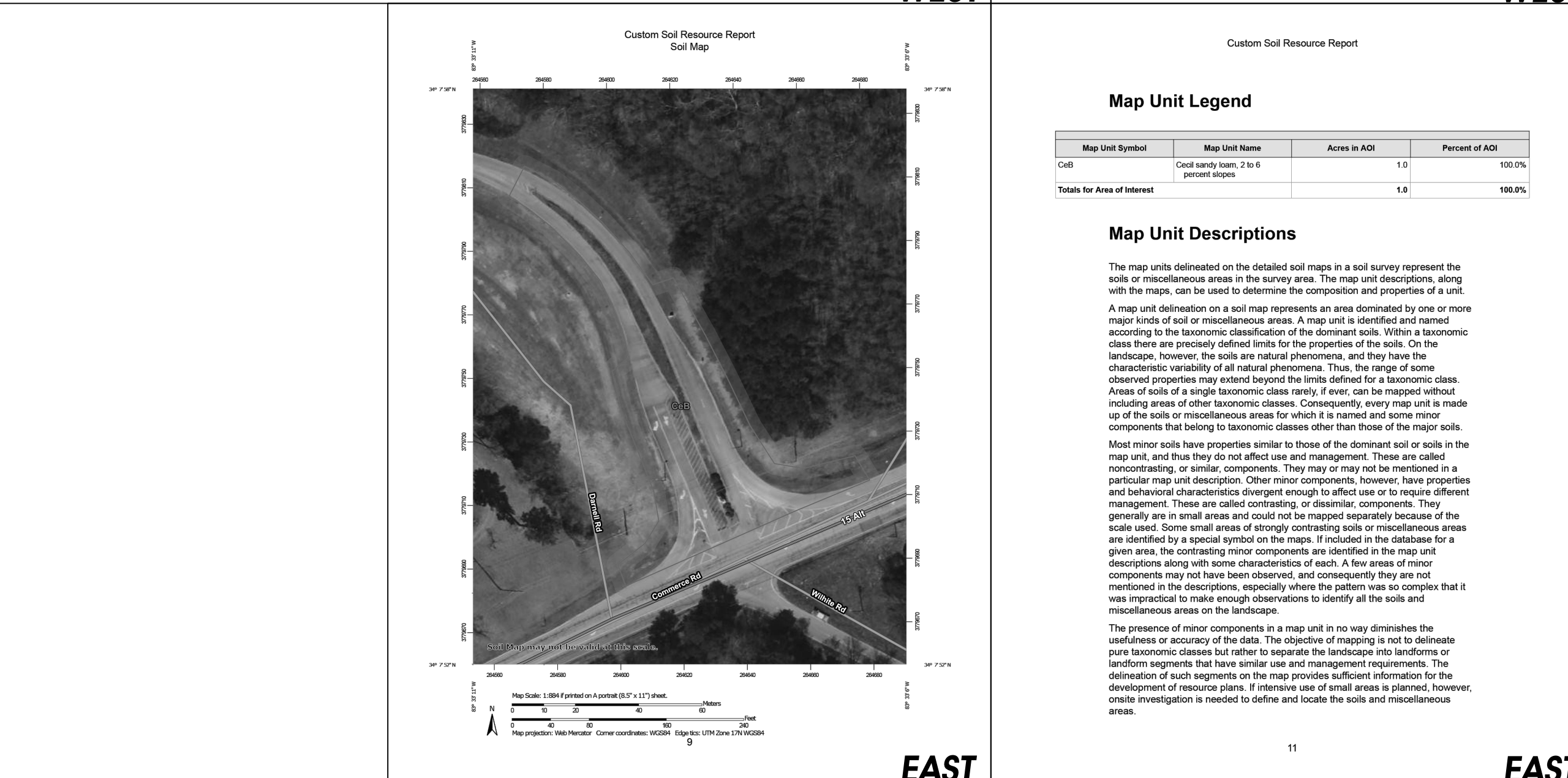
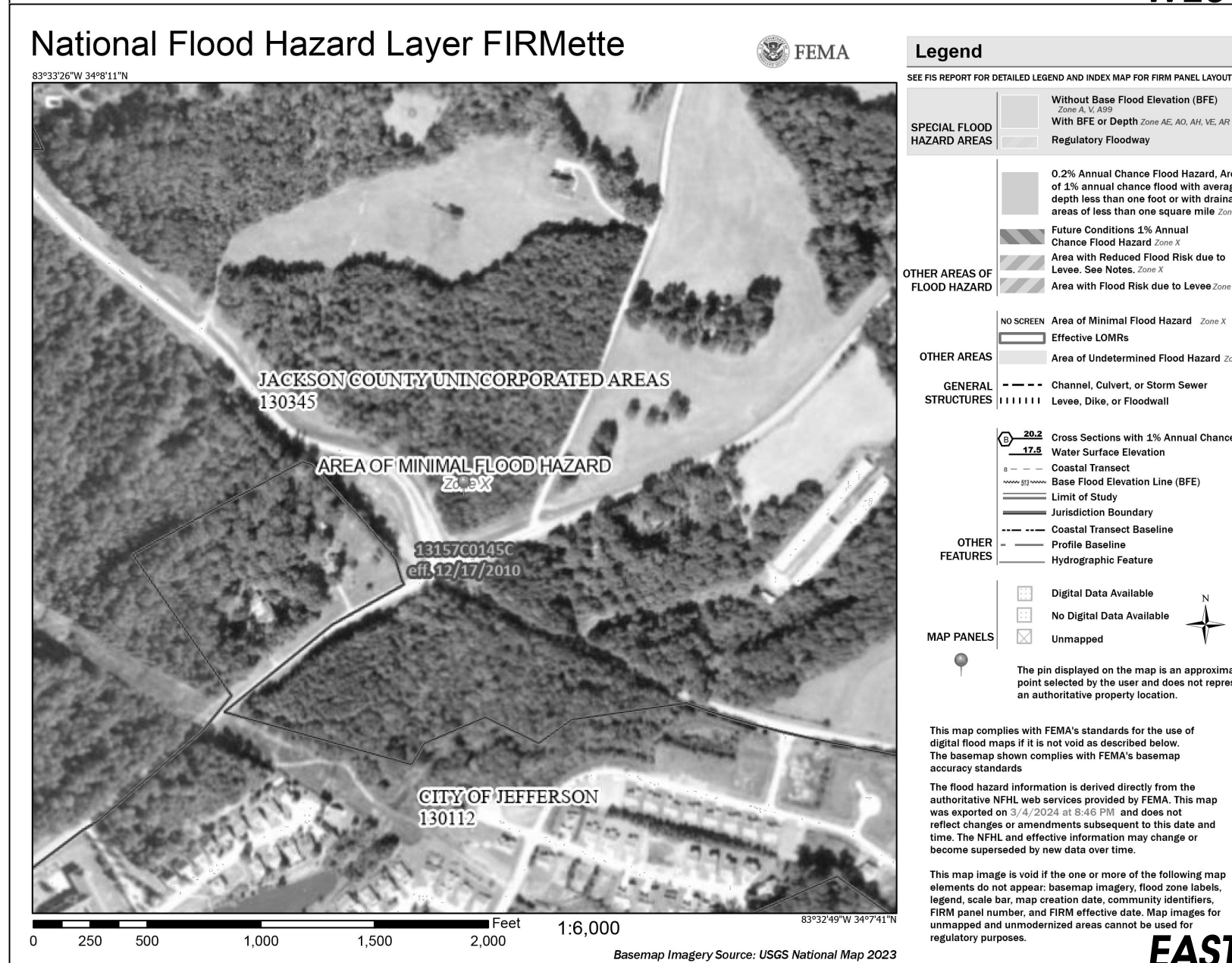
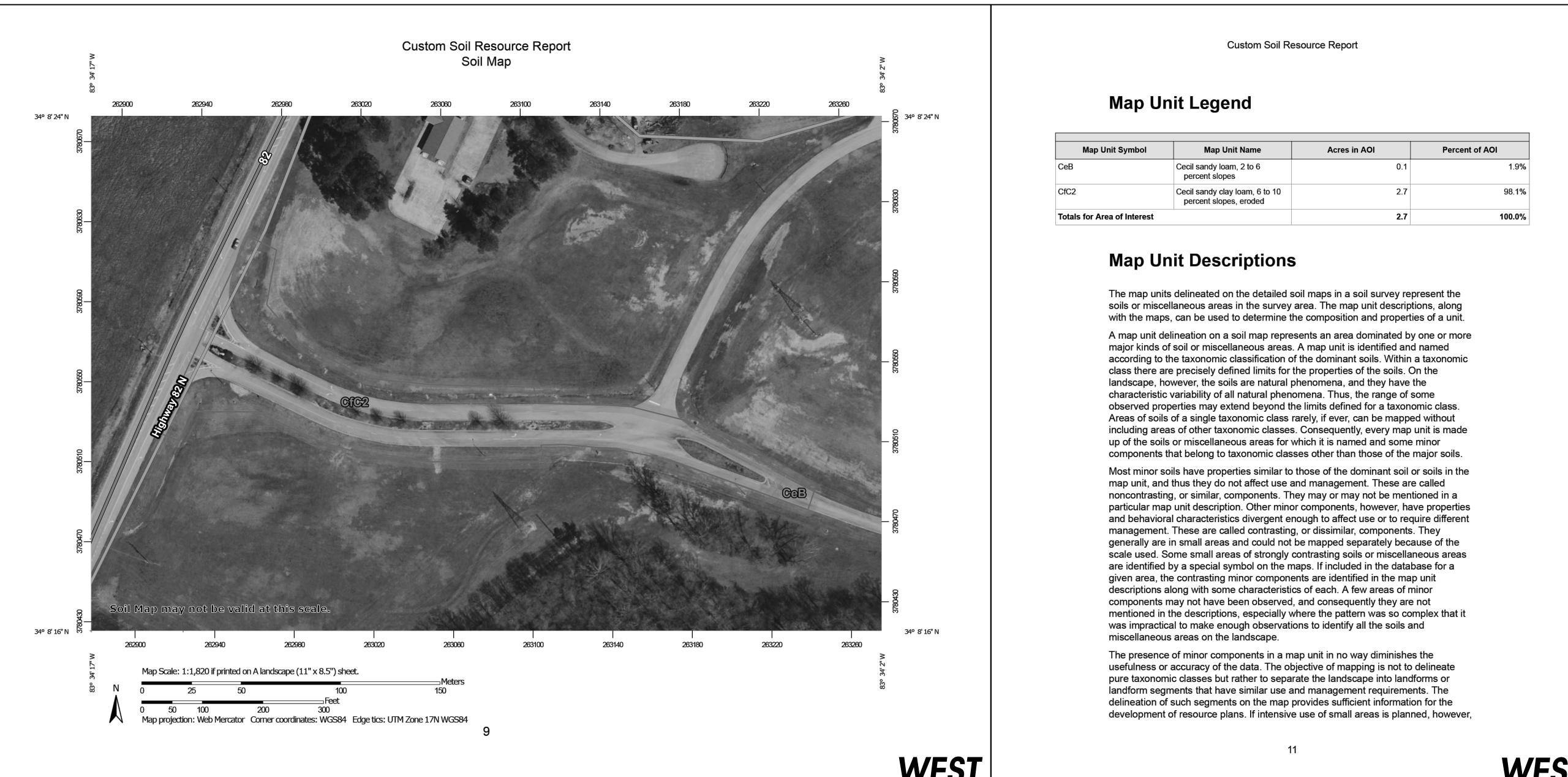
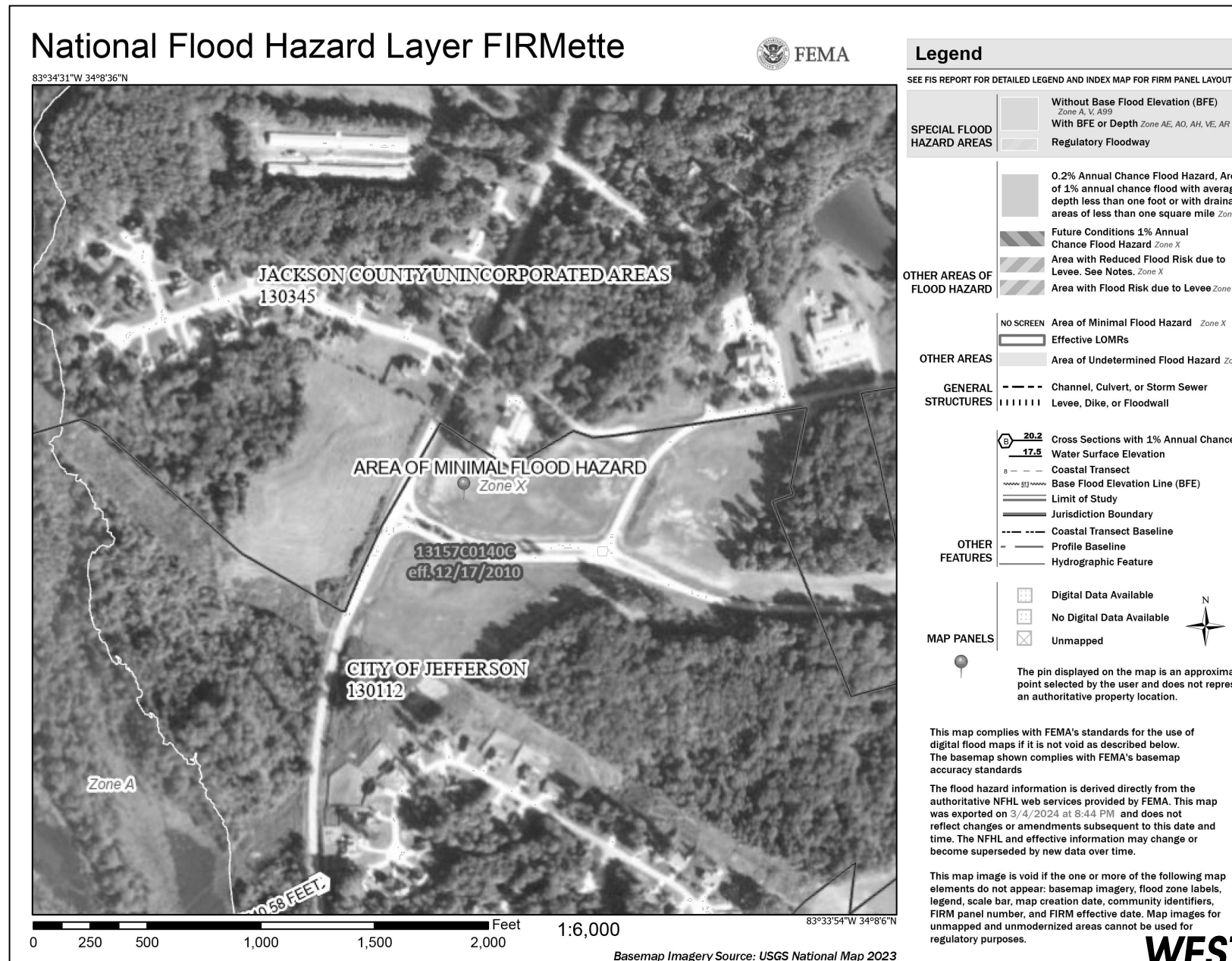
LANDSCAPE MAINTENANCE NOTE:

FOLLOWING INSTALLATION OF THE PLANT MATERIALS TO THE REQUIRED SPECIFICATIONS, THE CONTRACTOR SHALL FURNISH THE FOLLOWING MAINTENANCE PROGRAM FOR A PERIOD OF NOT LESS THAN ONE YEAR TO ENSURE A BEAUTIFUL AND SUCCESSFUL PROJECT:

1. ALL PLANT MATERIALS ARE TO BE WATERED ON AN AS-NEEDED BASIS THROUGH THE USE OF HAND WATERING, GATOR-BAGS OR OTHER APPROVED METHOD. NO WATER SOURCE IS AVAILABLE AT EITHER END OF JACKSON PARKWAY.
2. ALL PLANT BEDS AND GRASSED AREAS ARE TO BE KEPT IN A TIDY STATE, WITH BEDS FREE OF WEEDS AND DEBRIS. GRASS SHALL BE MAINTAINED WITH APPROPRIATE FERTILIZERS AND WEED CONTROL TO ENSURE A SUCCESSFUL STAND OF GRASS IS ESTABLISHED. OVER-SEEDING AND ADDITIONAL APPLICATIONS OF FERTILIZER SHOULD BE ANTICIPATED.
3. MULCHED BEDS SHALL BE RE-MULCHED IN AREAS WHERE COVERAGE IS DEEMED TO BE THIN FOLLOWING THE INITIAL APPLICATION.
4. ANY AREAS WHERE RIVER ROCK HAS BEEN APPLIED IN DRAINAGE AREAS ARE TO BE KEPT FREE OF WEEDS AND ACCUMULATED SEDIMENTS UNTIL THE AREAS OF WORK HAVE STABILIZED.

FLOOD HAZARD DATA

USDA SOIL SURVEY DATA



OWNER / DEVELOPER:

JACKSON COUNTY
BOARD OF COMMISSIONERS
67 ATHENS ST.
JEFFERSON, GA 30549
(706) 367-1199

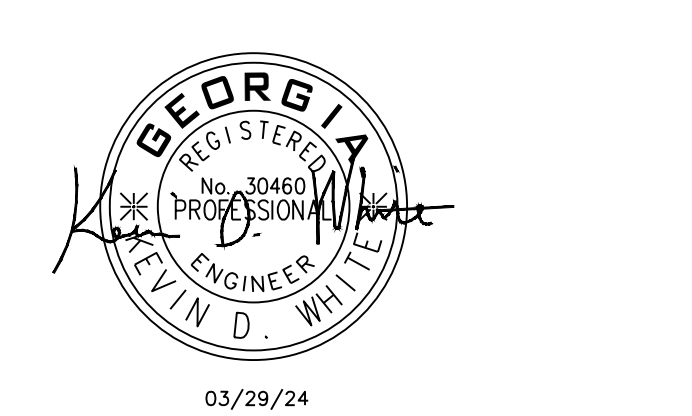
24 HOUR CONTACT:
MR. BARRY VICKERY
(706) 286-6353
b.vickery@jacksoncountygov.com

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REVISIONS	DATE

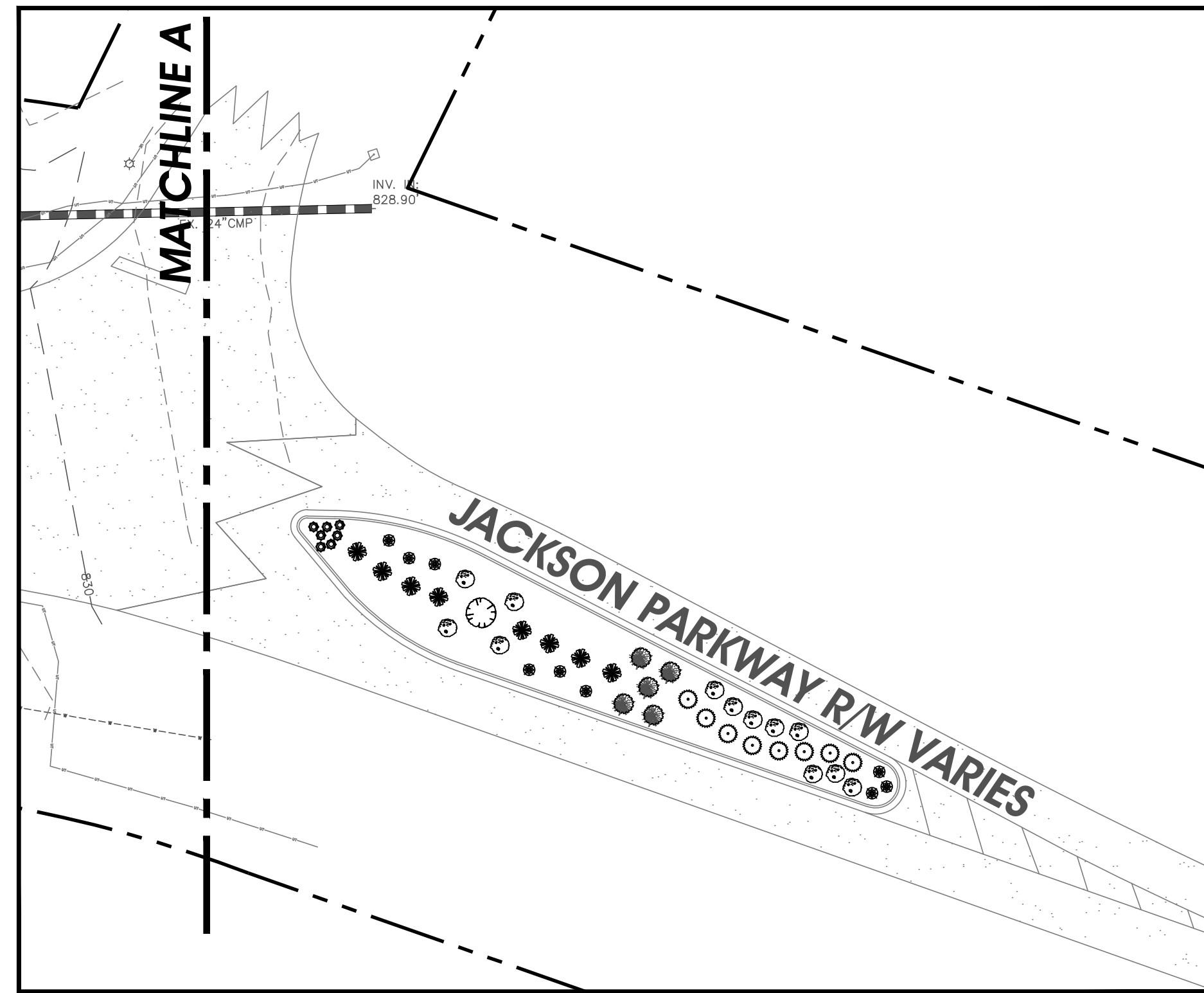
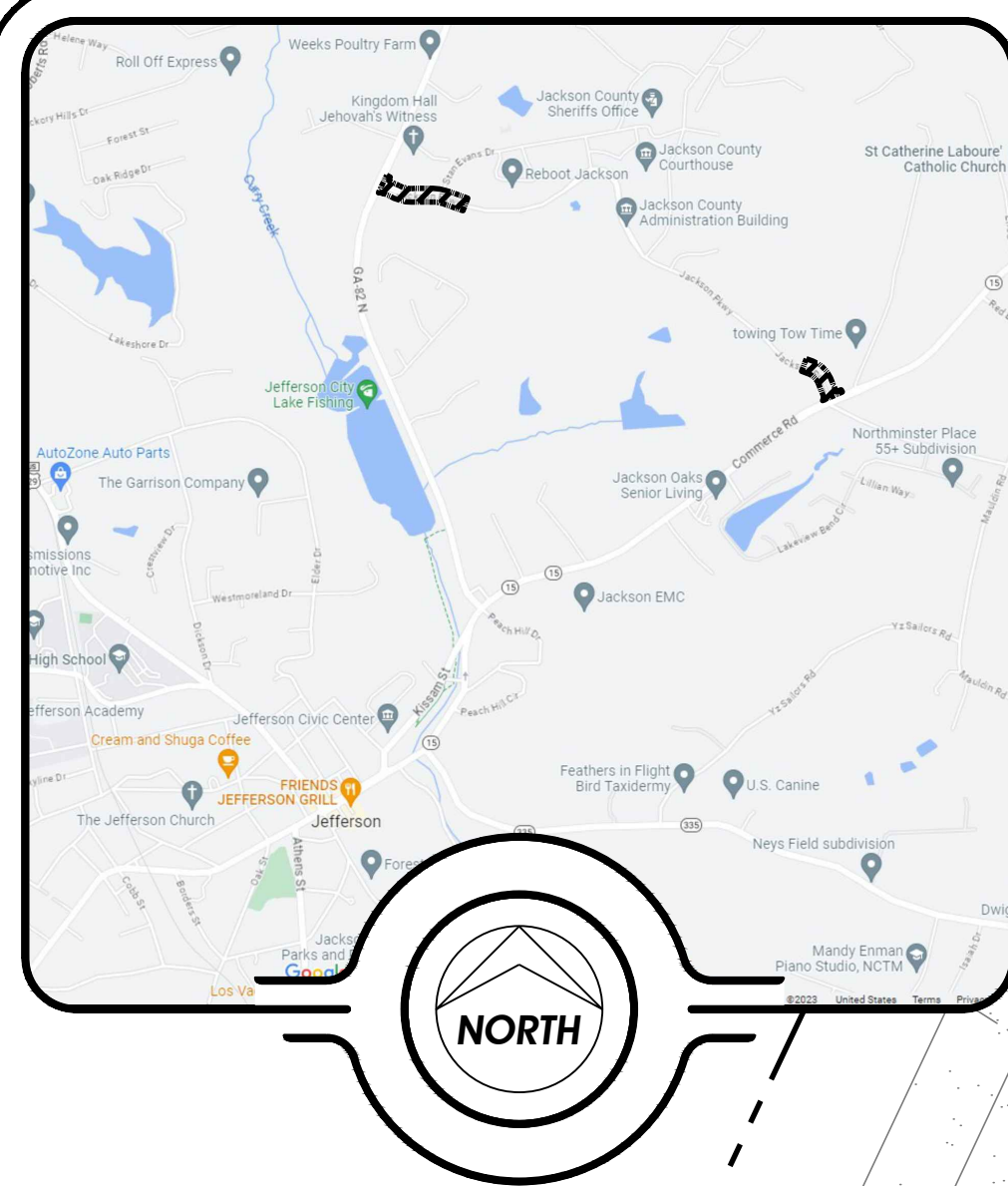
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DATE
03/29/24

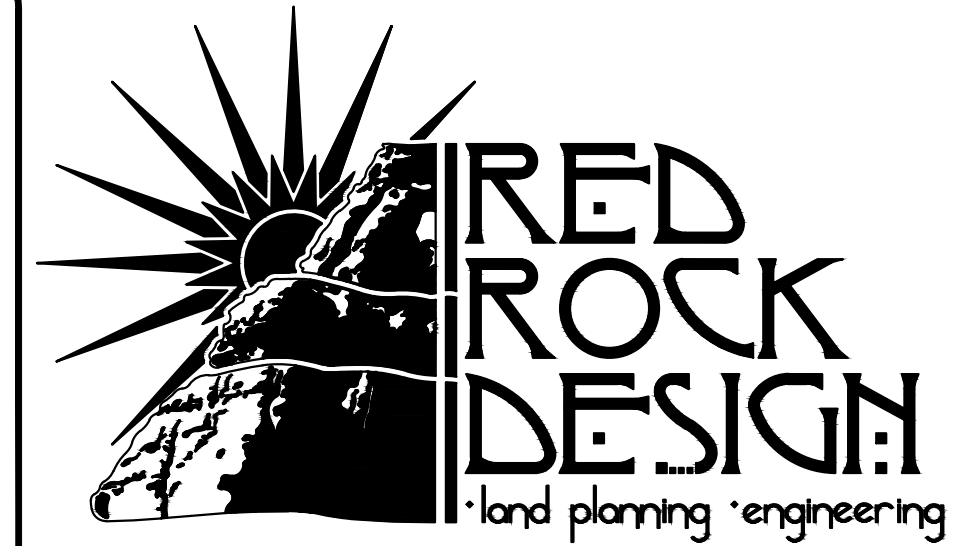
LANDSCAPE
COVER

SHEET
L 1



PLANT LIST - WEST

Symbol	Scientific Name	Common Name	Size	Root	Spacing	Remarks	QTY
Perennials							
☉	<i>Lecantherum x superbum</i> 'Becky'	Becky Shasta Daisy	1 Qt	Container	As Shown	Min. 6" height at time of installation	7
☉	<i>Rudbeckia fulgida</i> Goldstrum	Black Eyed Susan	1 Qt	Container	As Shown	Min. 6" height at time of installation	3
☉	<i>Salvia rosmarinus</i>	Rosemary	1 Qt	Container	As Shown	Min. 6" height at time of installation	16
☉	<i>Sedum spectabile</i>	Showy Stone Crop	1 Qt	Container	As Shown	Min. 6" height at time of installation	12
☉	<i>Stella de Oro</i>	Stella Daylily	1 Qt	Container	As Shown	Min. 6" height at time of installation	31
Total							69
Shrubs							
Symbol	Scientific Name	Common Name	Size	Root	Spacing	Remarks	QTY
☉	<i>Cryptomeria japonica</i> 'globosa nano'	Dwarf Cryptomeria	15 Gal.	Container	As Shown	Min. 3' height at time of installation	26
☉	<i>Gardenia jasmenoides</i> 'K H'	Kliem's Hardy Gardenia	3 Gal.	Container	As Shown	Min. 3' height at time of installation	15
☉	<i>Forsythia x intermedia</i>	Forsythia	5 Gal.	Container	As Shown	Min. 3' height at time of installation	7
☉	<i>Ilex glabra</i>	Inkberry	3 Gal.	Container	As Shown	Min. 3' height at time of installation	11
☉	<i>Lantana camara</i>	Lantana	3 Gal.	Container	As Shown	Min. 3' height at time of installation	6
☉	<i>Rosa 'Meigalpie'</i>	Red Drift Rose	3 Gal.	Container	As Shown	Min. 3' height at time of installation	64
☉	<i>Sasanqua camelia</i>	Camelia	3 Gal.	Container	As Shown	Min. 3' height at time of installation	9
☉	<i>Spirea nipponica</i>	Snow Mound Spirea	3 Gal.	Container	As Shown	Min. 2' height at time of installation	33
☉	<i>Spirea japonica</i> 'Walburna'	Magic Carpet Spirea	3 Gal.	Container	As Shown	Min. 2' height at time of installation	54
Total							225
Trees							
Symbol	Scientific Name	Common Name	Size	Root	Spacing	Remarks	QTY
☉	<i>Acer Palmatum</i> var. <i>atropurpureum</i> 'Bloodgood'	Bloodgood Japanese Maple	10'-12'	B&B	As Shown	Min. 10' height at time of installation	2
☉	<i>Cornus kousa</i>	Kousa Dogwood	10'-12'	B&B	As Shown	Min. 8' height at time of installation	4
☉	<i>Cryptomeria japonica</i>	Cryptomeria	10'-12'	B&B	As Shown	Min. 12' height at time of installation	8
☉	<i>Magnolia x soulangeana</i>	Saucer Magnolia	10'-12'	B&B	As Shown	Min. 8' height at time of installation	6
☉	Existing Deciduous Trees	Existing Deciduous Trees			Existing	Existing	0
Total							20



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JACKSON PARKWAY LANDSCAPE IMPROVEMENTS

INTERSECTIONS OF
S.R. 82 AND S.R. 15
JEFFERSON, GA 30548
JACKSON COUNTY

REVISIONS	DATE

ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE WRITTEN APPROVAL OF RED ROCK DESIGN, LLC, VOID THE SEAL SHOWN HEREON AND ANY LIABILITY ASSOCIATED WITH THIS PROJECT. THE ORIGINAL DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES.

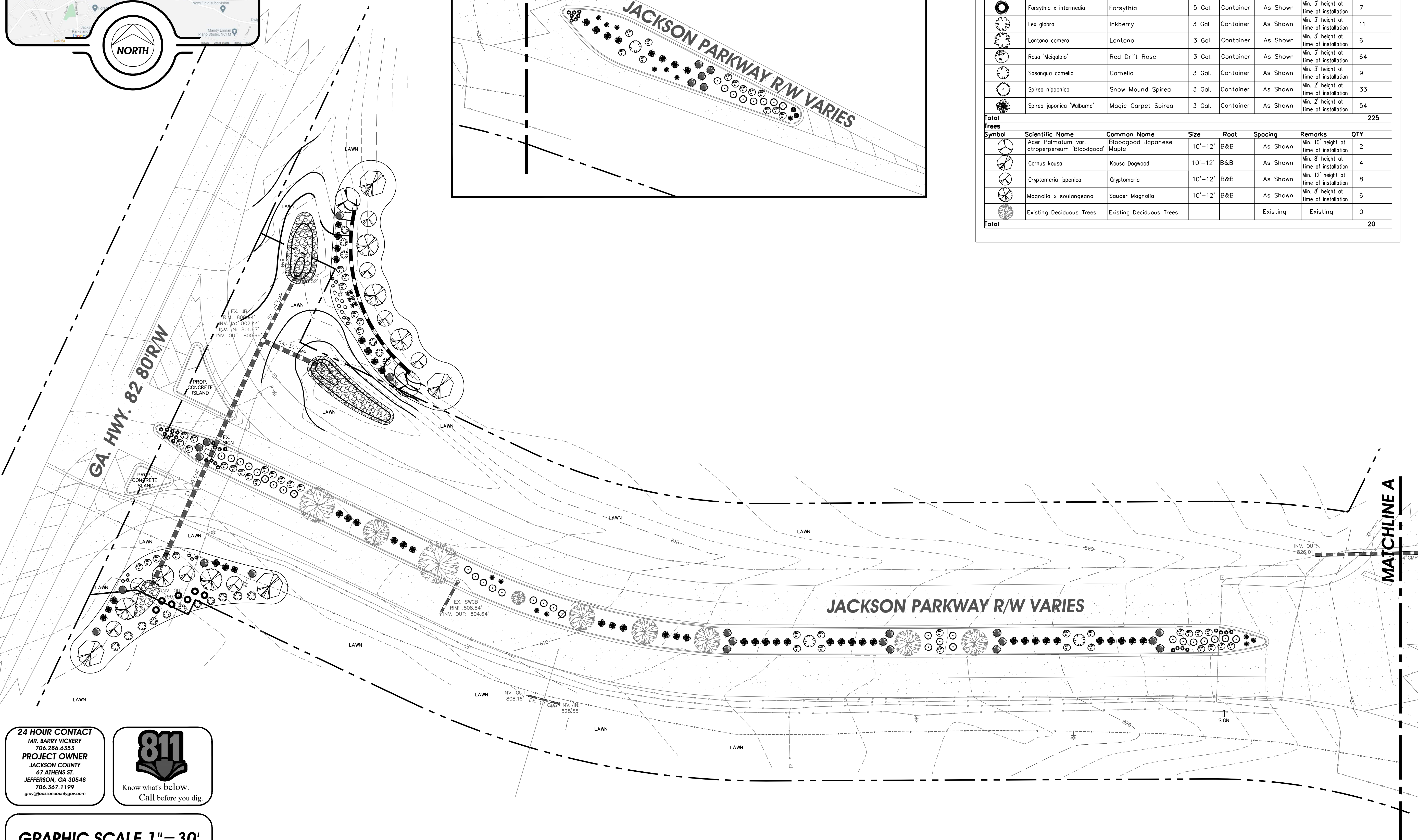


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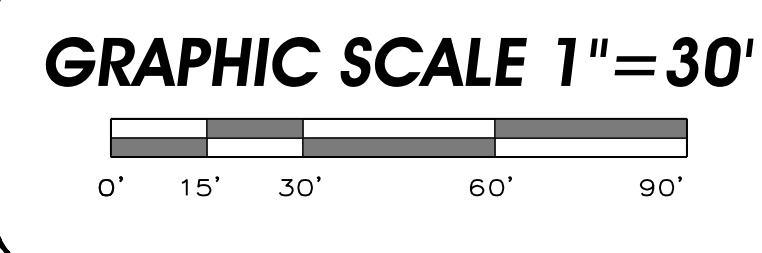
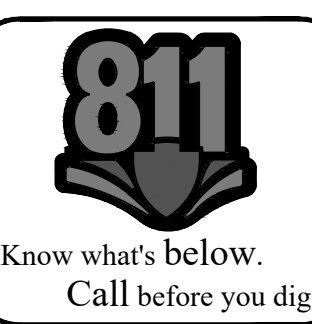
DATE
03/29/24

LANDSCAPE PLAN WEST

SHEET
L 2



24 HOUR CONTACT
MR. BARRY VICKERY
706.286.6353
PROJECT OWNER
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67 ATHENS ST.
JEFFERSON, GA 30548
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grey@jacksoncountyga.gov





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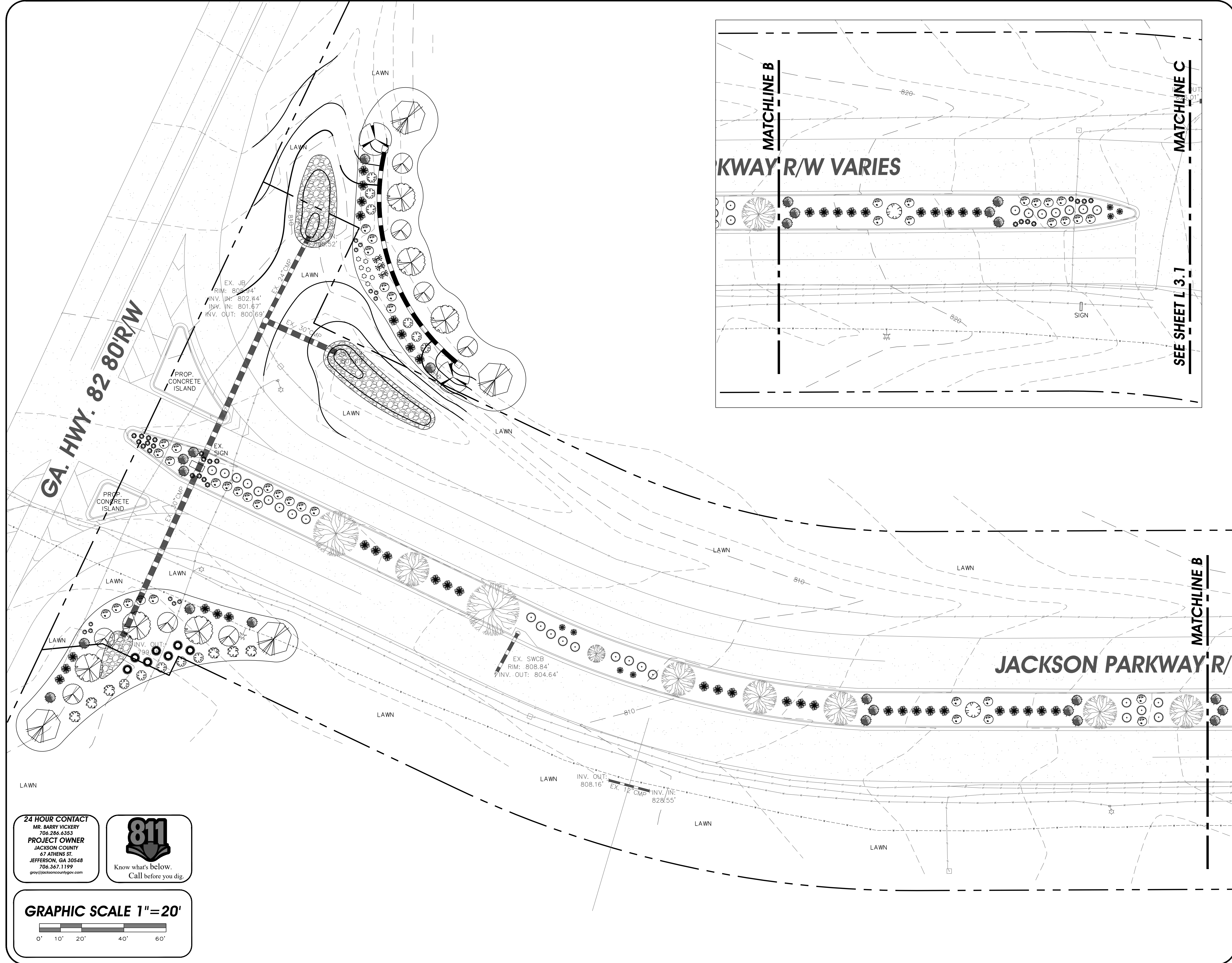
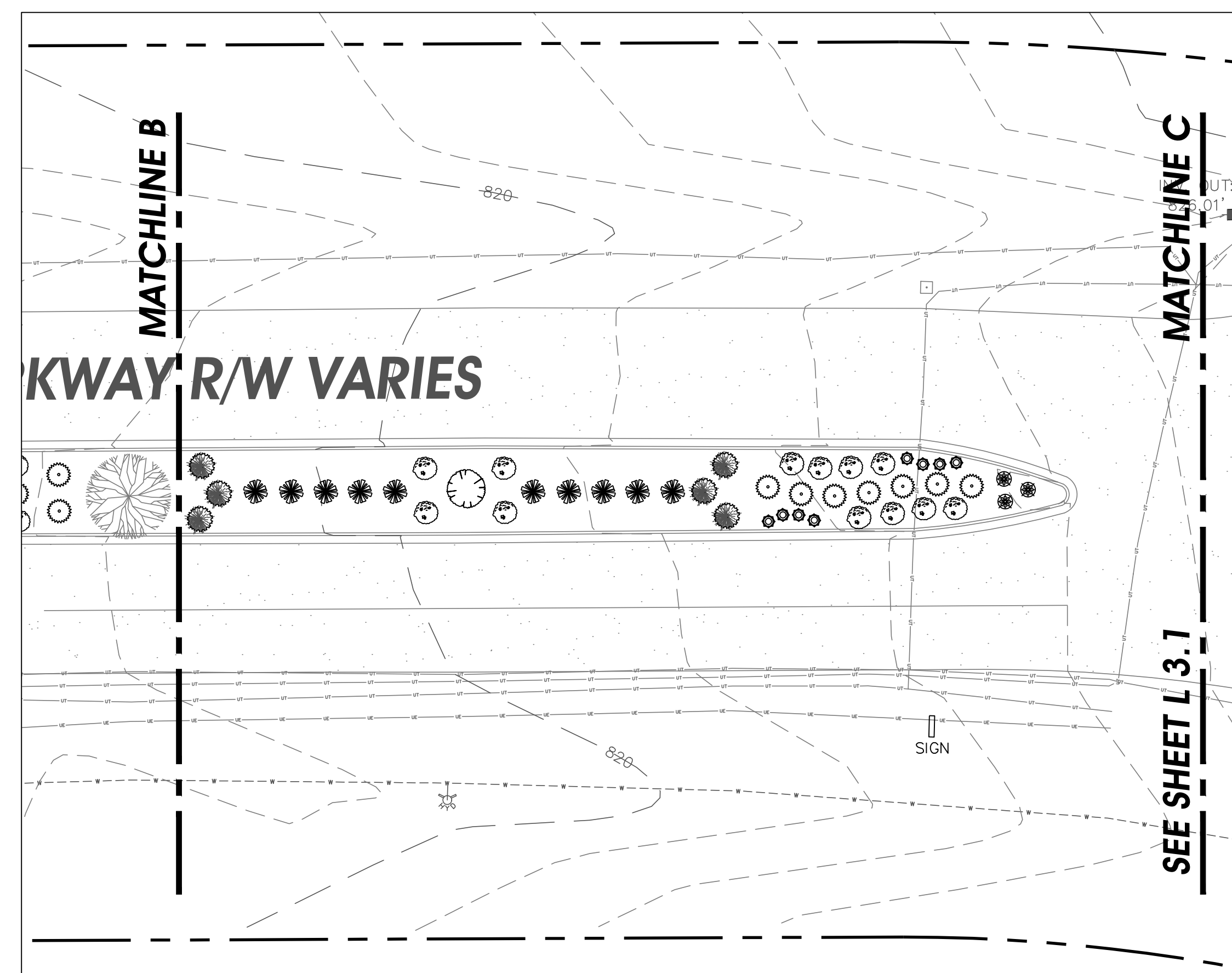


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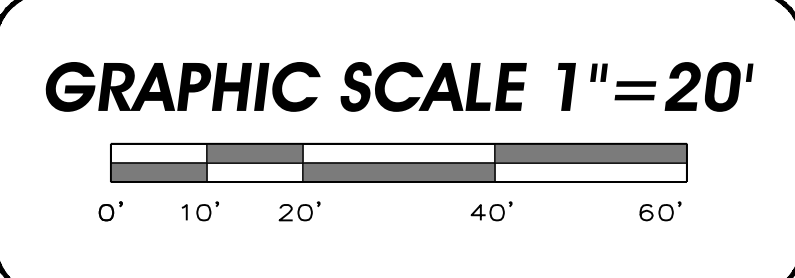
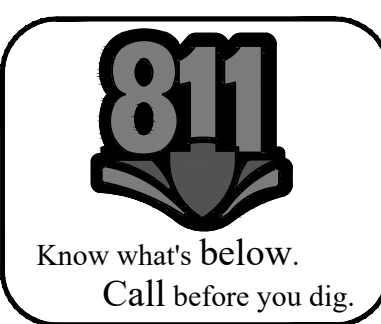
DATE
 03/29/24

LANDSCAPE PLAN
 ENLARGEMENT
 WEST I

SHEET
 L 3



24 HOUR CONTACT
 MR. BARRY VICKERY
 706.286.6353
 PROJECT OWNER
 JACKSON COUNTY
 67 ATHENS ST.
 JEFFERSON, GA 30548
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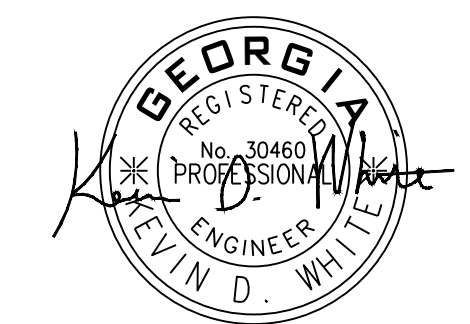


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**JACKSON
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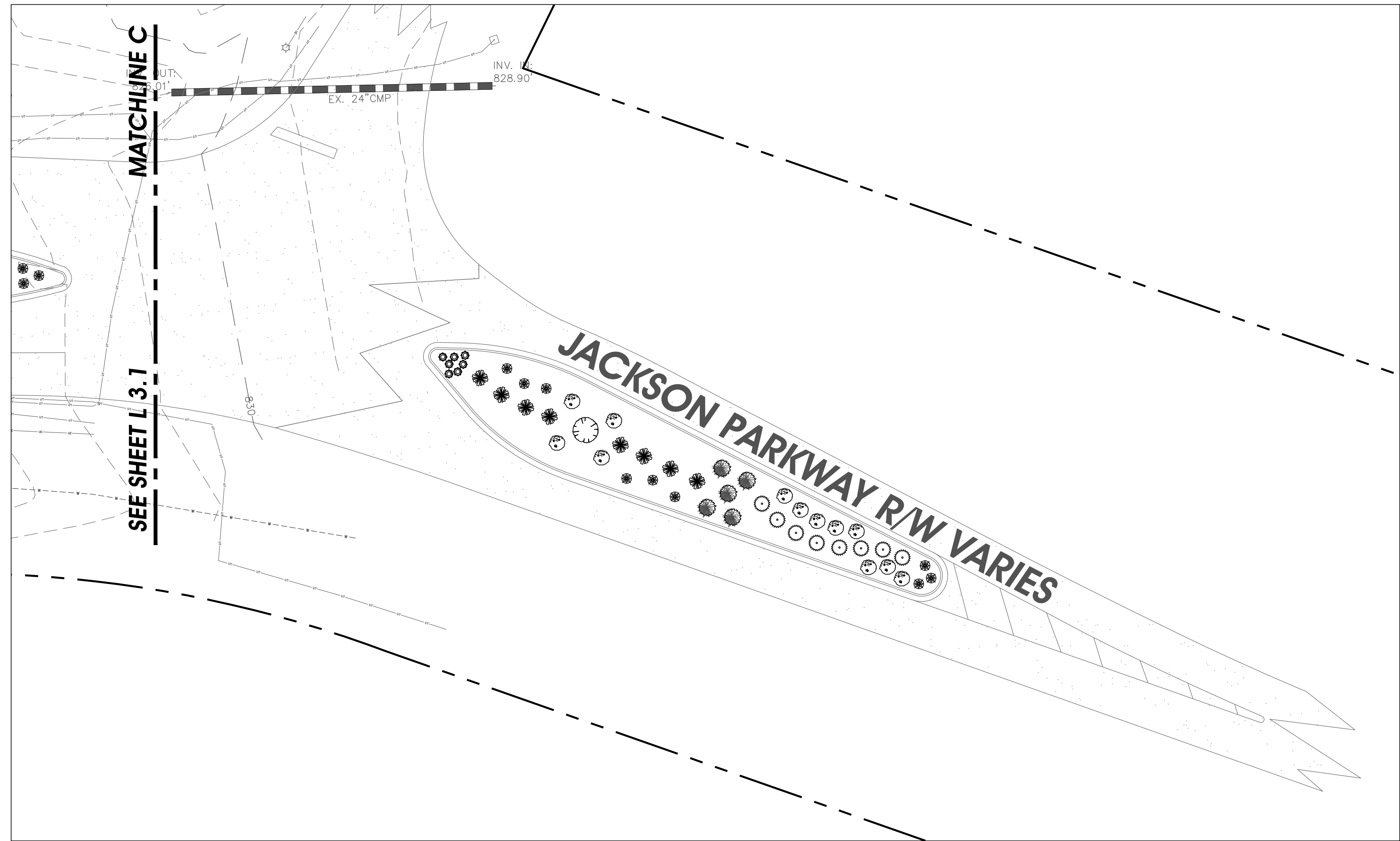
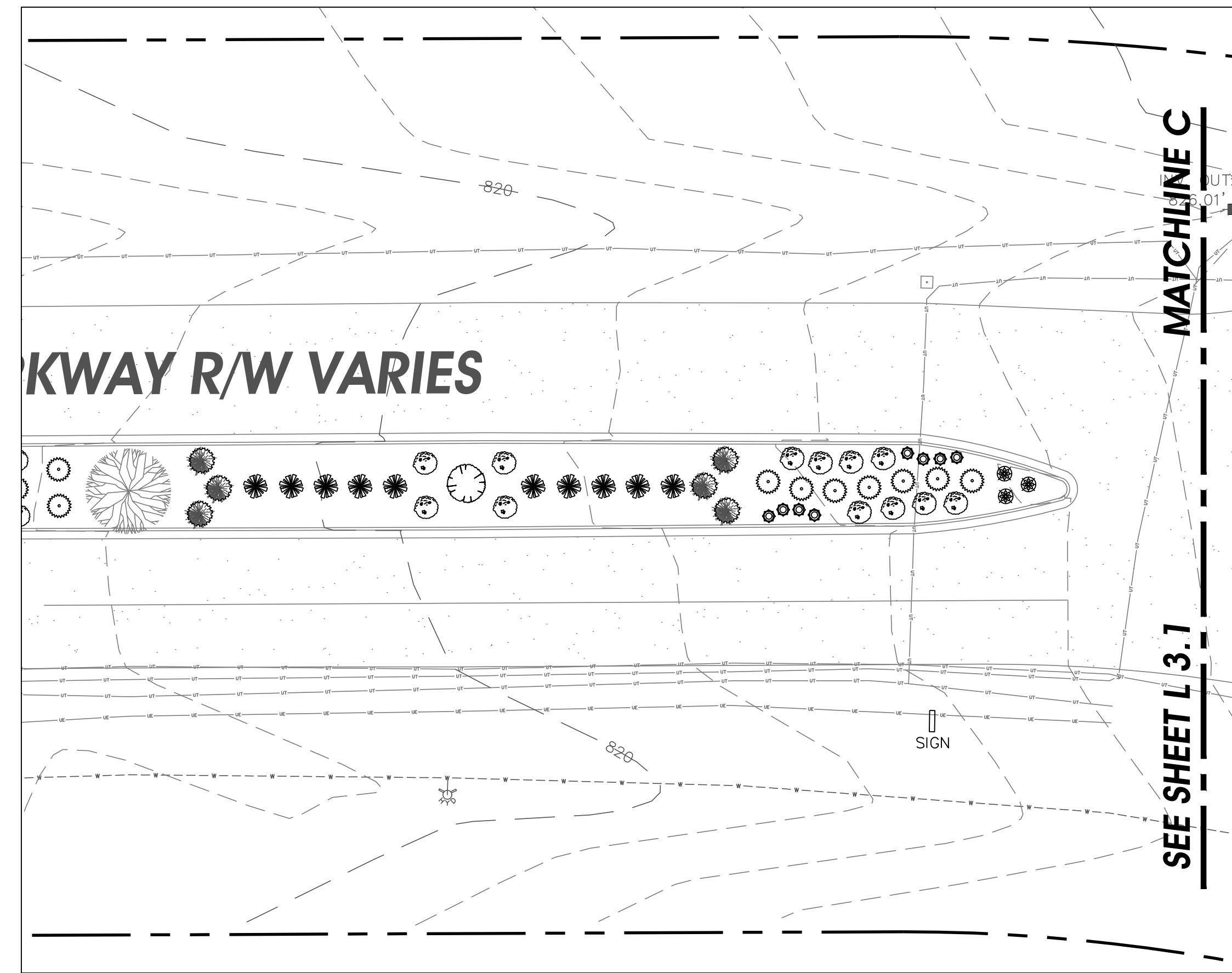


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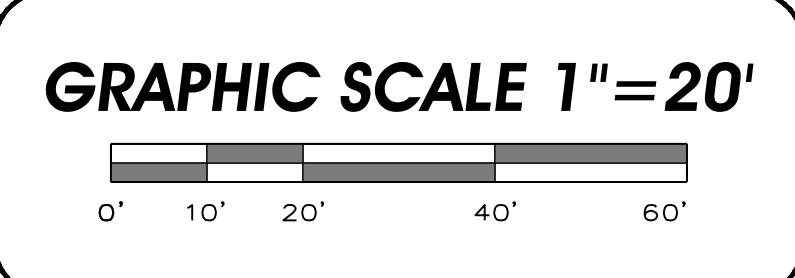
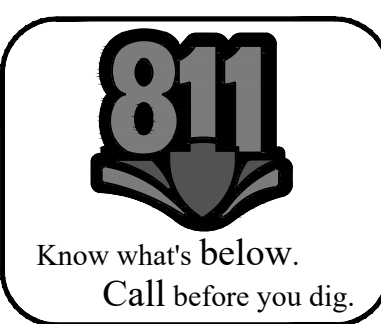
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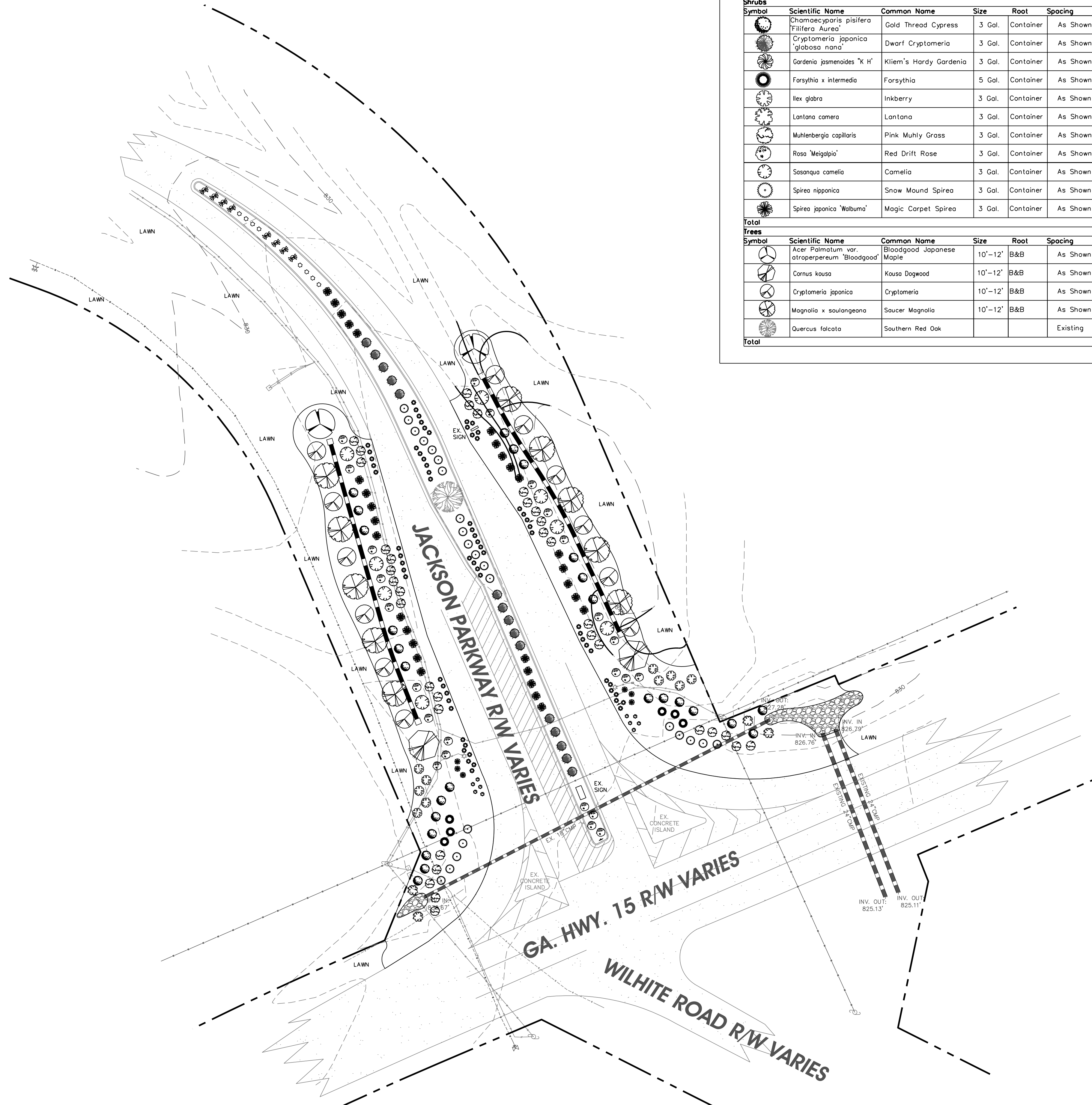
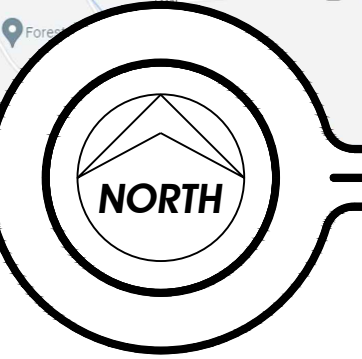
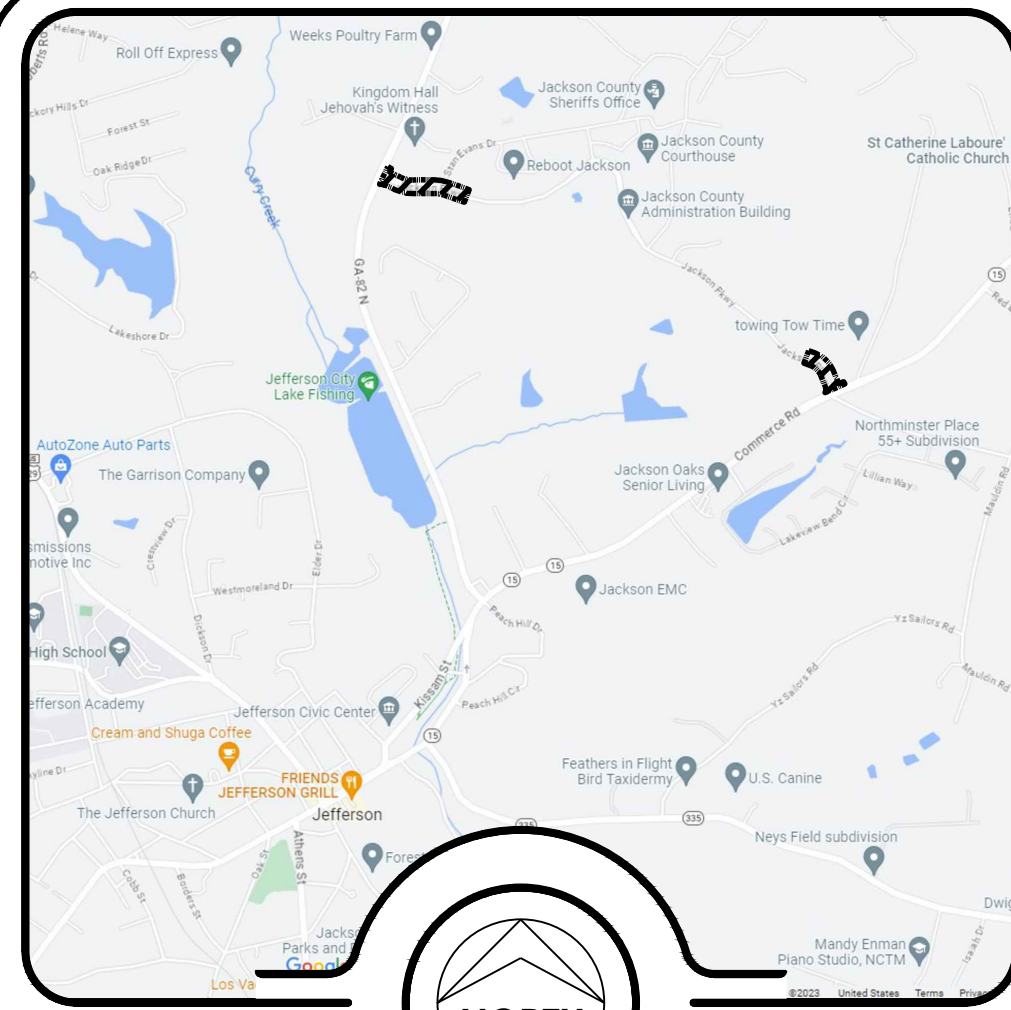
**LANDSCAPE PLAN
 ENLARGEMENT
 WEST II**

**SHEET
 L 3.1**



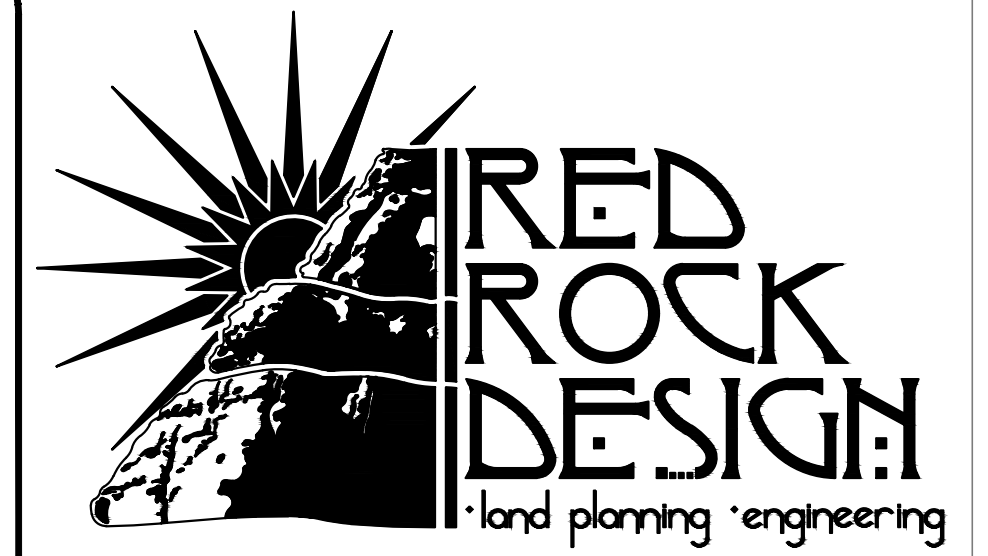
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PLANT LIST - EAST

Perennials							
Symbol	Scientific Name	Common Name	Size	Root	Spacing	Remarks	QTY
☼	<i>Lecantherum x superbum</i> 'Becky	Becky Shasta Daisy	1 Qt	Container	As Shown	Min. 6' height at time of installation	8
☼	<i>Rudbeckia fulgida</i> Goldstrum	Black Eyed Susan	1 Qt	Container	As Shown	Min. 6' height at time of installation	8
☼	<i>Salvia rosmarinus</i>	Rosemary	1 Qt	Container	As Shown	Min. 6' height at time of installation	6
☼	<i>Sedum spectabile</i>	Showy Stone Crop	1 Qt	Container	As Shown	Min. 6' height at time of installation	10
☼	<i>Stella de Oro</i>	Stella Daylily	1 Qt	Container	As Shown	Min. 6' height at time of installation	67
Total							99
Shrubs							
Symbol	Scientific Name	Common Name	Size	Root	Spacing	Remarks	QTY
☼	<i>Chamaecyparis pisifera</i> 'Filifera Aurea'	Gold Thread Cypress	3 Gal.	Container	As Shown	Min. 3' height at time of installation	26
☼	<i>Cryptomeria japonica</i> 'globosa nana'	Dwarf Cryptomeria	3 Gal.	Container	As Shown	Min. 3' height at time of installation	15
☼	<i>Gardenia jasmenoides</i> 'X H'	Klemm's Hardy Gardenia	3 Gal.	Container	As Shown	Min. 3' height at time of installation	10
☼	<i>Forsythia x intermedia</i>	Forsythia	5 Gal.	Container	As Shown	Min. 3' height at time of installation	6
☼	<i>Ilex glabra</i>	Inkberry	3 Gal.	Container	As Shown	Min. 3' height at time of installation	10
☼	<i>Lantana camara</i>	Lantana	3 Gal.	Container	As Shown	Min. 3' height at time of installation	4
☼	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	3 Gal.	Container	As Shown	Min. 3' height at time of installation	34
☼	<i>Rosa 'Meigolia'</i>	Red Drift Rose	3 Gal.	Container	As Shown	Min. 3' height at time of installation	30
☼	<i>Sasanqua camellia</i>	Camelia	3 Gal.	Container	As Shown	Min. 3' height at time of installation	8
☼	<i>Spiraea nipponica</i>	Snow Mound Spirea	3 Gal.	Container	As Shown	Min. 2' height at time of installation	23
☼	<i>Spiraea japonica</i> 'Waburn'	Magic Carpet Spirea	3 Gal.	Container	As Shown	Min. 2' height at time of installation	30
Total							196
Trees							
Symbol	Scientific Name	Common Name	Size	Root	Spacing	Remarks	QTY
☼	<i>Acer Palmatum</i> var. <i>atropurpureum</i> 'Bloodgood'	Bloodgood Japanese Maple	10'-12'	B&B	As Shown	Min. 10' height at time of installation	2
☼	<i>Cornus kousa</i>	Kousa Dogwood	10'-12'	B&B	As Shown	Min. 8' height at time of installation	2
☼	<i>Cryptomeria japonica</i>	Cryptomeria	10'-12'	B&B	As Shown	Min. 12' height at time of installation	12
☼	<i>Magnolia x soulangeana</i>	Saucer Magnolia	10'-12'	B&B	As Shown	Min. 8' height at time of installation	10
☼	<i>Quercus falcata</i>	Southern Red Oak		Existing	Existing	Existing	0
Total							26



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JACKSON PARKWAY LANDSCAPE IMPROVEMENTS
INTERSECTIONS OF S.R. 82 AND S.R. 15
JEFFERSON, GA 30548
JACKSON COUNTY

REVISIONS	DATE

ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE WRITTEN APPROVAL OF RED ROCK DESIGN, LLC, VOID THE SEAL SHOWN HEREON AND ANY LIABILITY ASSOCIATED WITH THIS PROJECT. THE ORIGINAL DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES.



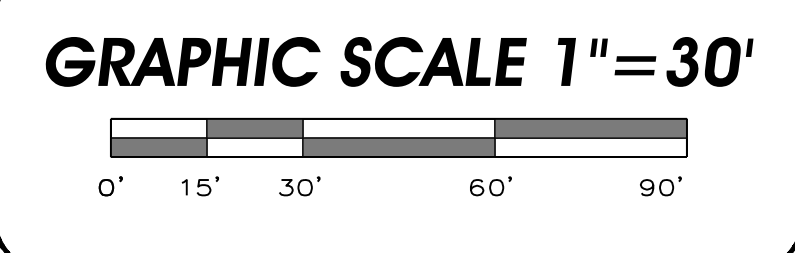
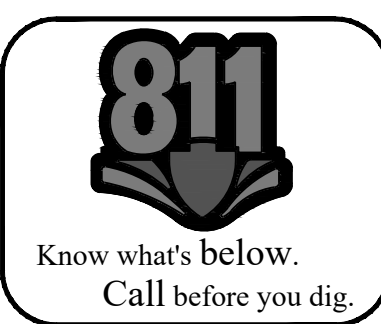
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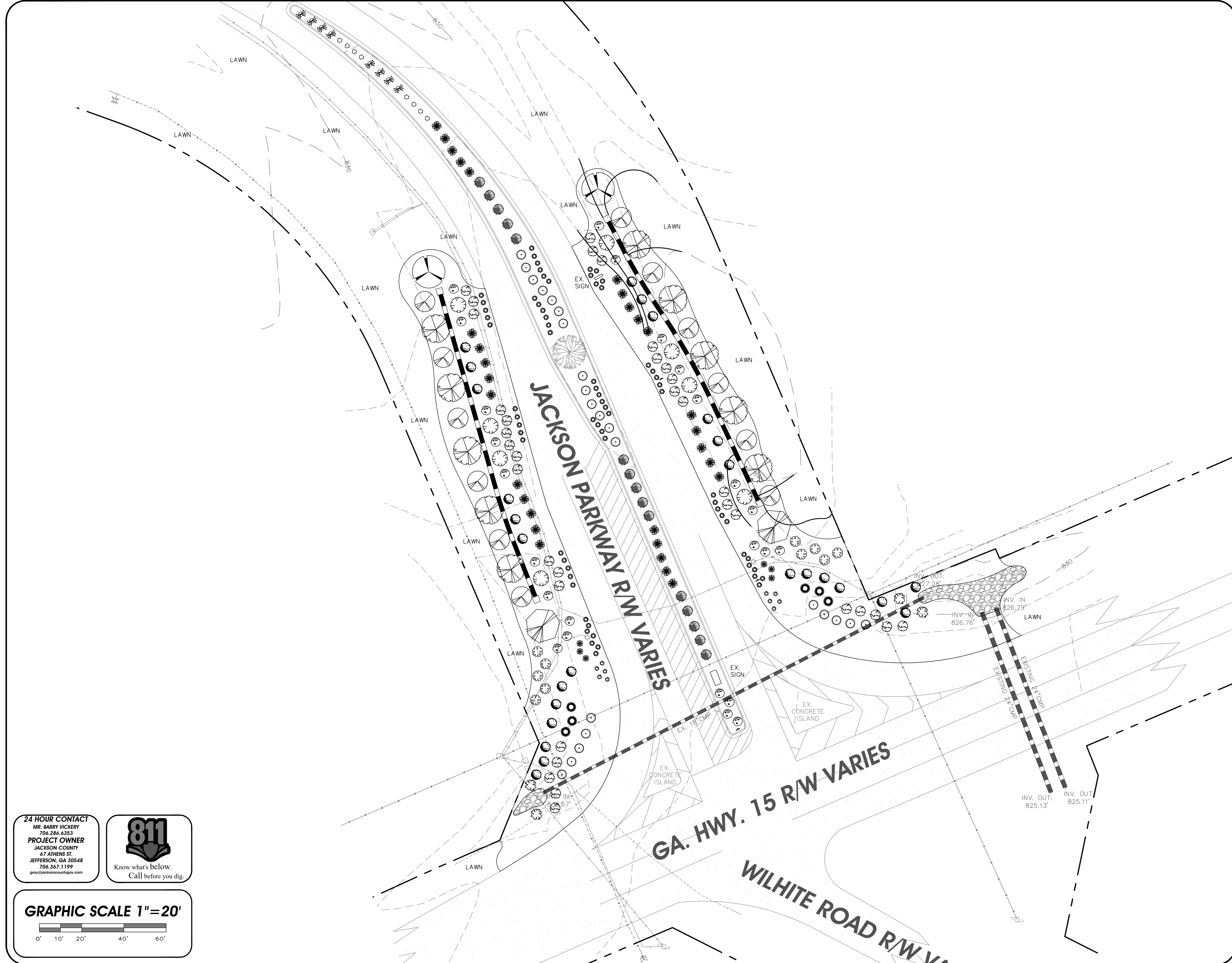


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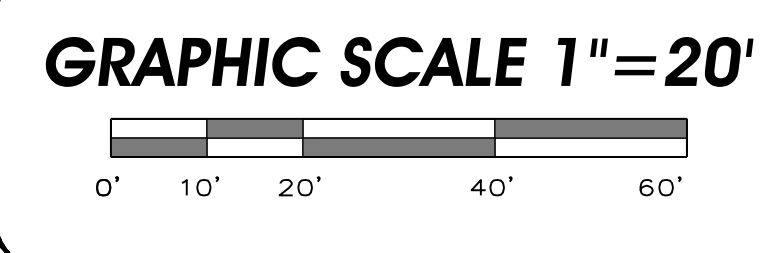
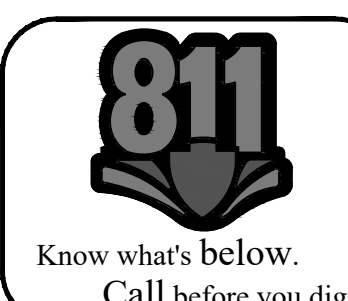
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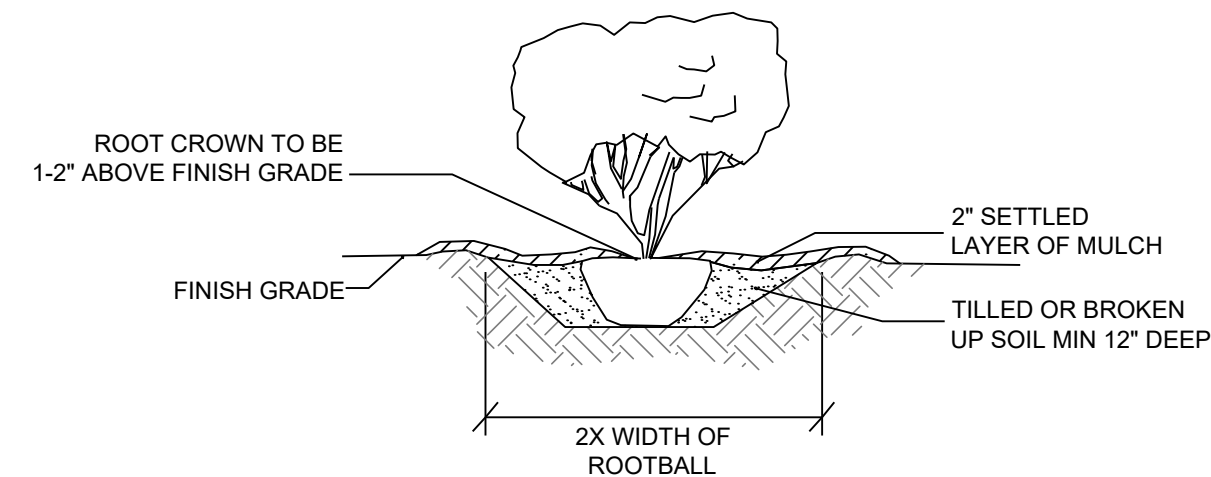
**LANDSCAPE PLAN
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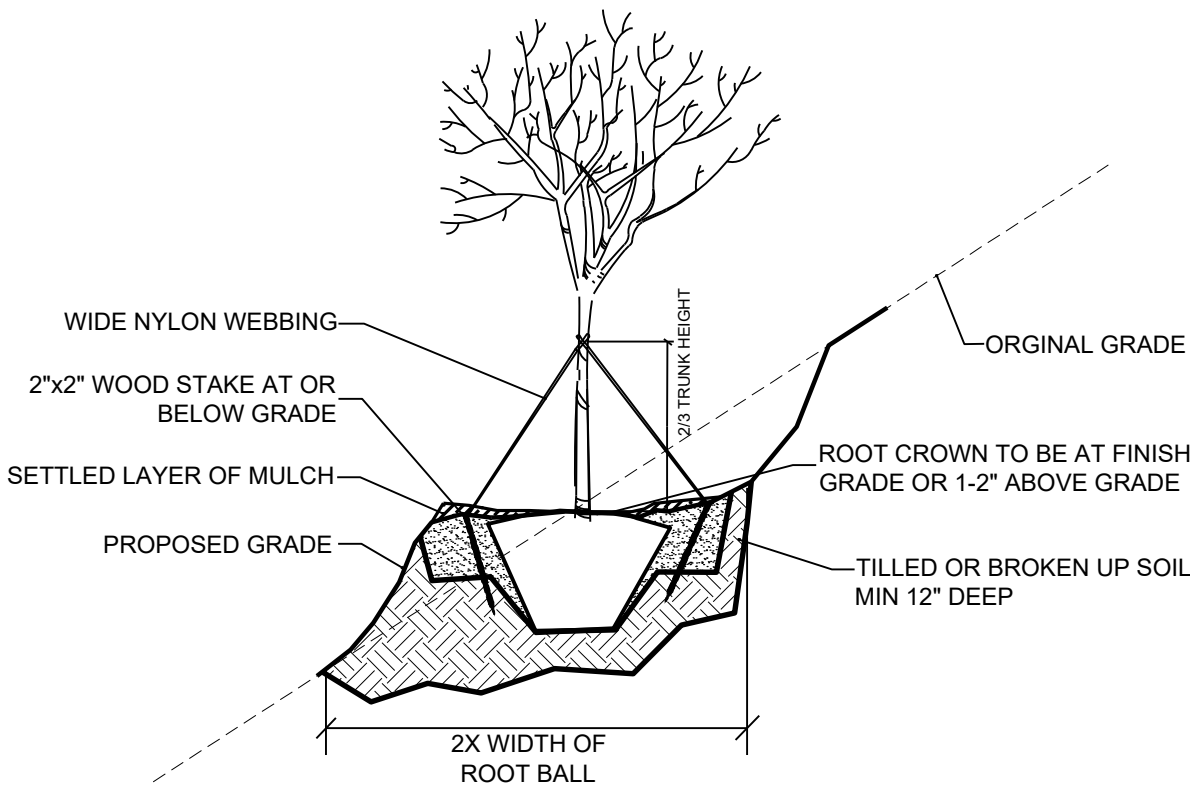




SHRUB PLANTING DETAIL
NOT TO SCALE

NOTES: SHRUB PLANTING

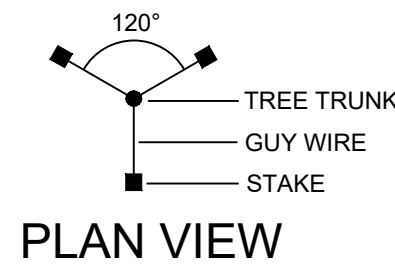
1. DIG PLANTING HOLE AT LEAST 2X THE WIDTH OF THE ROOT BALL OR CONTAINER.
2. SCARIFY SUBGRADE AND SIDES OF PLANTING HOLE.
3. SET THE TOP OF THE ROOT BALL 1-2" ABOVE ADJACENT FINISHED GRADE.
4. IF CONTAINER GROWN PLANT, GENTLY SLIDE PLANT OUT OF CONTAINER AND LOOSEN THE ROOTS.
5. IF B&B PLANT, REMOVE BURLAP FROM AT LEAST THE TOP 12 INCHES OF THE ROOTBALL, WITHOUT DISTURBING THE ROOTBALL.
6. REMOVE ALL CORD FROM THE TRUNK. REMOVE BURLAP AND WIRE BASKET (IF PRESENT) FROM THE ROOT BALL.
7. BACK FILL THE PLANTING HOLE WITH EXCAVATED NATIVE SOIL, BROKEN UP OR TILLED. WATER TO REMOVE AIR POCKETS. DO NOT ADD AMENDMENTS.
8. PLACE MULCH ON THE SURFACE TO A (SETTLED) DEPTH OF 2 TO 3 INCHES.



TYP. TREE PLANTING ON SLOPE
NOT TO SCALE

NOTES: TYPICAL TREE PLANTING ON SLOPE

1. ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1-2004). PLANT ACCORDING TO ANSI A300 PART 6.
2. DIG THE PLANTING HOLE A MINIMUM OF 2x WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
3. SCARIFY THE SUBGRADE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOILS (MORE THAN 15% CLAY).
4. LIFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
5. SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE OR SLIGHTLY HIGHER IF THE SOIL IS PRONE TO SETTLING.
6. AFTER THE TREE IS SET IN PLACE, REMOVE BURLAP, WIRE AND STRAPS FROM AT LEAST THE UPPER 1/3 OF THE ROOTBALL.
7. BACKFILL WITH EXISTING SOIL THAT HAS BEEN WELL-TILLED OR BROKEN UP. DO NOT ADD AMENDMENTS TO THE BACKFILL SOIL. AMEND THE SURFACE WITH MULCH.
8. USE THREE 2" X 2" WOOD STAKES DRIVEN INTO UNDISTURBED SOIL A MINIMUM OF 16 INCHES. SPACE STAKES EQUALLY AROUND THE TREE.
9. ATTACH 3/4" NYLON WEBBING TO CONNECT THE TREE TO STAKES. ATTACH WEBBING AT 2/3 THE TREE HEIGHT.
10. APPLY A 2-3" (SETTLED) DEPTH OF PINE STRAW OR BARK MULCH TO THE PLANTING SURFACE. LEAVE A 2" SPACE AROUND THE TRUNK FOR AIR CIRCULATION.
11. PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
12. REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.



PLAN VIEW

NOTES: TREE PLANTING (>2" CAL.)

1. ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1-2004). PLANT ACCORDING TO ANSI A300 PART 6.
2. DIG THE PLANTING HOLE A MINIMUM OF 2x WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
3. SCARIFY THE SUBGRADE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOILS (MORE THAN 15% CLAY).
4. LIFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
5. SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE OR SLIGHTLY HIGHER IF THE SOIL IS PRONE TO SETTLING.
6. AFTER THE TREE IS SET IN PLACE, REMOVE BURLAP, WIRE AND STRAPS FROM AT LEAST THE UPPER 1/3 OF THE ROOTBALL.
7. BACKFILL WITH EXISTING SOIL THAT HAS BEEN WELL-TILLED OR BROKEN UP. DO NOT ADD AMENDMENTS TO THE BACKFILL SOIL. AMEND THE SURFACE WITH MULCH.
8. USE THREE 2" X 2" WOOD STAKES DRIVEN INTO UNDISTURBED SOIL A MINIMUM OF 16 INCHES. SPACE STAKES EQUALLY AROUND THE TREE.
9. ATTACH 3/4" NYLON WEBBING TO CONNECT THE TREE TO STAKES. ATTACH WEBBING AT 2/3 THE TRUNK HEIGHT.
10. APPLY A 2-3" (SETTLED) DEPTH OF MULCH TO THE PLANTING SURFACE. LEAVE A 2" SPACE AROUND THE TRUNK FOR AIR CIRCULATION.
11. PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
12. REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.

TREE PLANTING (>2" CAL.)
NOT TO SCALE



PLAN VIEW

NOTES: SMALL TREE PLANTING (<2" CAL.)

1. ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1-2004). PLANT ACCORDING TO ANSI A300 PART 6.
2. DIG THE PLANTING HOLE A MINIMUM OF 2x WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
3. SCARIFY THE SUBGRADE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOILS (MORE THAN 15% CLAY).
4. LIFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
5. SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE OR SLIGHTLY HIGHER IF THE SOIL IS PRONE TO SETTLING.
6. AFTER THE TREE IS SET IN PLACE, REMOVE BURLAP, WIRE AND STRAPS FROM AT LEAST THE UPPER 1/3 OF THE ROOTBALL.
7. BACKFILL WITH EXISTING SOIL THAT HAS BEEN WELL-TILLED OR BROKEN UP. DO NOT ADD AMENDMENTS TO THE BACKFILL SOIL. AMEND THE SURFACE WITH MULCH.
8. USE THREE 2" X 2" WOOD STAKES 2/3 TREE HEIGHT IN LENGTH DRIVEN INTO UNDISTURBED SOIL. MINIMUM OF 16 INCHES. STAKES SHOULD BE SPACED EQUALLY ACROSS FROM AND IN LINE WITH THE TRUNK PARALLEL TO THE PREVAILING WIND.
9. ATTACH 3/4" NYLON WEBBING TO CONNECT THE TREE TO STAKES. ATTACH WEBBING AT 1/2 THE TREE HEIGHT.
10. APPLY A 2-3" (SETTLED) DEPTH OF MULCH TO THE PLANTING SURFACE. LEAVE A 2" SPACE AROUND THE TRUNK FOR AIR CIRCULATION.
11. PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
12. REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.

SMALL TREE PLANTING (<2" CAL.)
NOT TO SCALE

LANDSCAPE SPECIFICATIONS:

DELIVERY, STORAGE AND HANDLING

- A. DELIVER MATERIALS IN SUCH A MANNER AS TO NOT DAMAGE OR DECREASE THE HEALTH AND VIGOR OF THE PLANT MATERIALS.
- B. STORE MATERIALS AWAY FROM DETRIMENTAL ELEMENTS. COORDINATE WITH GENERAL CONTRACTOR TO SECURE A SAFE STAGING AREA.
- C. HANDLE, LOAD, UNLOAD, AND TRANSPORT MATERIALS CAREFULLY TO AVOID DAMAGE.
- D. MAINTAIN AND PROTECT PLANT MATERIALS AS NECESSARY TO INSURE HEALTH AND VIGOR.

GUARANTEE

A. GUARANTEE PLANT MATERIALS AND LAWN AREAS FOR ONE (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. CONTRACTOR SHALL REPLACE PLANTS AND LAWNS, THAT FAIL TO GROW PROPERLY WITH PLANTS AS ORIGINALLY SPECIFIED AT THE EARLIEST PRACTICAL DATE FOLLOWING PLANT FAILURE, WITHOUT ADDITIONAL CHARGES TO THE OWNER. REPLACEMENT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF REPLACEMENT. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR REPLACING PLANTS WHICH ARE DAMAGED BY ABUSE OR IMPROPER MAINTENANCE BY OWNER, OR BY ACTS OF GOD OCCURRING AFTER ACCEPTANCE.

MATERIAL FOR STAKING

A. STAKES FOR SUPPORTING TREES SHALL BE SOUND TIMBER, STRAIGHT, SIZED AS SHOWN IN PLANTING DETAILS AND OF SUFFICIENT LENGTH TO ADEQUATELY SUPPORT THE PLANT.

B. DEADEN OR STAKES FOR ANCHORING STRAPS IN THE GROUND SHALL BE OF SIZE MATERIAL, AND STRENGTH ADEQUATE TO HOLD STRAPS TIGHT AND MAINTAIN TREE FIRMLY IN AN UPRIGHT POSITION.

GUYING, STAKING AND MULCHING

A. USE ARBORITE OR EQUIVALENT FOR ANY NEEDED STAKING TO ELIMINATE USE OF WIRE AND HOSE. STRAPS SHALL BE WIDE, SOFT, FLEXIBLE MATERIAL MANUFACTURED FOR THE PURPOSE OF TREE ANCHORING SUCH AS WOVEN POLYPROPYLENE WEBBING. ANY STAKING MATERIAL IS TO BE REMOVED AFTER THE FIRST GROWING SEASON.

B. STAKE TREES TWO-INCH CALIPER AND OVER. SPACE THREE STRAPS EQUALLY ABOUT EACH TREE, ATTACHED AT APPROXIMATELY TWO-THIRDS HEIGHT OF THE TRUNK. STRAPS SHOULD BE AT A 45-DEGREE ANGLE AND ANCHORED IN THE GROUND WITH STAKES. THESE STRAPS SHALL BE EQUALLY TIGHT.

C. STAKE TREES LESS THAN TWO INCHES CALIPER WITH TWO OR THREE WOOD STAKES DRIVEN TWO FEET INTO THE GROUND WITH THE PORTION EXTENDING ABOVE THE GROUND APPROXIMATELY TWO-THIRDS OF THE TRUNK HEIGHT. STAKE ONE FOOT FROM TRUNK, FASTENED AT APPROXIMATELY ONE-HALF OF TRUNK HEIGHT.

D. MULCH ALL PLANTING BEDS AND OTHER AREAS DESIGNATED TO BE MULCHED WITH TWO TO THREE INCHES OF MULCH. UNLESS OTHERWISE NOTED ON PLANS, ALL MULCH SHALL BE:

1. DOUBLE-GROUND, SHREDDED HARDWOOD MULCH, DARK BROWN OR BLACK IN COLOR OR
2. PINE STRAW NEEDLES.

E. RIVER ROCK MULCH: ANY LANDSCAPE BEDS NOTED AS ANNUAL, SEASONAL COLOR AND/OR PERENNIAL BEDS SHALL NOT BE MULCHED WITH RIVER ROCK UNDER ANY CIRCUMSTANCE. IF RIVER ROCK MULCHING IS SPECIFIED FOR A PARTICULAR BED, PRIOR TO INSTALLING RIVER ROCK MULCH, ALL PLANTING BEDS TO BE MULCHED WITH RIVER ROCK SHALL BE COVERED WITH LANDSCAPE FABRIC IN AN EFFORT TO REDUCE WEEDS. LANDSCAPE FABRIC SHOULD BE BREATHABLE AND ALLOW AIR, WATER AND NUTRIENTS TO PENETRATE THE SOIL. TWO TO THREE INCHES OF RIVER ROCK MULCH SHALL BE PLACED ON TOP OF THE LANDSCAPE FABRIC. CONTRACTOR TO PROVIDE A MATERIAL SAMPLE TO OWNER PRIOR TO INSTALLATION FOR COLOR AND SIZE APPROVAL. ALL RIVER ROCKS SHALL BE RINSED CLEAN ON SITE PRIOR TO INSTALLATION IN PLANTING BEDS.

EXCAVATION FOR PLANTING TREES AND SHRUBS

A. CIRCULAR PLANT PITS WITH VERTICAL SIDES SHALL BE DUG BY HAND OR MACHINE METHODS FOR PLANTING OF TREES AND SHRUBS.

B. TREE PIT DIAMETERS SHALL BE A MINIMUM OF TWO FEET GREATER THAN THE SPREAD OF THE ROOT MASS.

C. SHRUB PIT DIAMETER SHALL BE A MINIMUM OF ONE FOOT GREATER THAN THE SPREAD OF THE ROOT MASS.

D. CONTRACTOR SHALL TEST EXCAVATED PLANT PITS TO SATISFY THAT SUFFICIENT DRAINAGE IS PRESENT FOR PROPER PLANT SURVIVAL.

E. IF THE INDIVIDUAL PITS ARE ARRANGED IN A GROUP, THE AREA BETWEEN PITS SHALL BE FILLED TO THE REQUIRED GRADE WITH EXISTING SOIL AND MULCHED AS SPECIFIED. PLANT BEDS SHALL BE NEATLY EDGED AND KEPT FREE OF WEEDS UNTIL THE WORK IS ACCEPTED.

TOPSOIL

A. TOPSOIL SHALL BE FERTILE, FRIABLE, SANDY LOAM, AND SHALL BE NATURAL SURFACE SOIL OBTAINED FROM WELL DRAINED AREAS. TOPSOIL SHALL BE CHARACTERISTIC OF REPRESENTATIVE SOILS IN THE PROJECT VICINITY THAT PRODUCE HEAVY GROWTHS OF GRASS, GRASS OR OTHER VEGETATION. TOPSOIL SHALL BE FREE OF SUBSOIL, BRUSH, ORGANIC LITTER, OBJECTIONABLE WEEDS, CLAY, CLOTS, STUMPS, ROOTS OR OTHER MATERIAL HARMFUL TO PLANT GROWTH OR HINDRANCE TO PLANTING OR MAINTENANCE OPERATIONS. SHOULD REGENERATIVE MATERIALS BE PRESENT IN THE SOIL, CONTRACTOR SHALL ERADICATE AND REMOVE SUCH GROWTH, BOTH SURFACE AND ROOT, WHICH MAY APPEAR IN THE IMPORTED MATERIAL WITHIN ONE YEAR FOLLOWING ACCEPTANCE OF THE WORK. TOPSOIL SHALL NOT BE HANDLED IN A FROZEN OR MUDDY CONDITION. THE ACIDITY RANGE SHALL BE BETWEEN 5.0 AND 7.0 INCLUSIVE.

FERTILIZER

A. FERTILIZER FOR ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE STA GREEN NURSERY SPECIAL OR EQUIVALENT AND DELIVERED TO THE SITE IN UNOPENED CONTAINERS.

B. FERTILIZER FOR GRASS SHALL BE STA-GREEN FERTILIZER OR EQUIVALENT CONTAINING THE FOLLOWING PERCENTAGES BY WEIGHT:

- 10% NITROGEN
- 24% PHOSPHOROUS
- 10% POTASH

FERTILIZER SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE FLOWING, AND SHALL LIST THE MANUFACTURER'S GUARANTEED ANALYSIS. FERTILIZER SHALL NOT HAVE BEEN EXPOSED TO WEATHER PRIOR TO DELIVERY TO THE SITE. AFTER DELIVERY UNTIL USED, IT SHALL BE COMPLETELY PROTECTED AT ALL TIMES. IT SHALL NOT BE STORED IN CONTACT WITH THE GROUND.

LANDSCAPE BED EDGING

A. ALL BEDS MULCHED WITH RIVER ROCK SHALL BE EDGED WHEN ADJACENT TO LAWN AREAS. EDGING SHALL BE ALUMINUM AND BLACK IN COLOR, PERMALOC ALUMINUM ALLOY BLACK ANODIZED EDGING OR EQUIVALENT.

DRAINAGE TEST

A. REPRESENTATIVE TREE AND SHRUB PITS FROM EACH PLANTING AREA SHALL BE FILLED WITH WATER. IF PERCOLATION IS LESS THAN 1 INCH PER HOUR, TWELVE-INCH AUGER TO A DEPTH OF FOUR FEET BELOW THE BOTTOM OF THE TREE PIT, RETEST THE PIT. IN CASE DRAINAGE IS STILL UNSATISFACTORY NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITION BEFORE PLANTING TREES IN THE QUESTIONABLE AREAS. CONTRACTOR IS FULLY RESPONSIBLE FOR THE WARRANTY OF PLANTINGS.

B. GROUNDCOVER BEDS SHALL ALSO BE SPOT TESTED FOR DRAINAGE.

C. DISPOSE OF SUBSOIL REMOVED FROM LANDSCAPE EXCAVATIONS. DO NOT MIX WITH THE PLANTING SOIL. DO NOT USE AS BACKFILL OR USE TO CONSTRUCT SAUCERS AROUND PITS.

SETTING TREES, SHRUBS AND GROUNDCOVERS

A. BALLED AND CONTAINER PLANTS SHALL BE PLACED FIRMLY UPON SCARIFIED SUB-GRADE AND BACKFILLED WITH PLANTING SOIL MIXTURE. REMOVE ALL WIRE, CARDS AND BURLAP FROM TOP OF ROOT BALL. HAND TAMP CAREFULLY AROUND AND UNDER BALL TO FILL ALL VOIDS. WATER DURING BACKFILLING. FORM SAUCER FROM PLANTING SOIL MIXTURE IN ORDER TO RETAIN WATER.

B. GENTLY LOOSEN OUTER ROOTS OF CONTAINER GROWN PLANTS TO ENCOURAGE OUTWARD GROWTH.

C. FERTILIZER SHALL BE THOROUGHLY MIXED AND SOAKED INTO THE TOP TWO INCHES OF SOIL FOR ALL PLANT PITS.

TREE TRANSPORTATION

A. THE CONTRACTOR SHALL BE RESPONSIBLE NOT ONLY FOR THE SAFE TRANSPORTATION OF THE PLANTS TO THE SITE BUT ALSO THEIR CONDITION UPON ARRIVAL. TREES WITH ABRASIONS OF THE BARK, SUNSCALDS, FRESH CUTS OR BREAKS OF LIMBS WHICH HAVE NOT COMPLETELY HEALED WILL BE REJECTED. TREES WHICH HAVE BEEN DAMAGED DURING TRANSIT SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. ALL PLANT UNIT COSTS SHALL REFLECT ALL THE ABOVE LISTED SPECIFICATIONS.

PRUNING

A. DECIDUOUS TREES AND SHRUBS SHALL HAVE DEAD, BROKEN AND CROWDED WOOD PRUNED TO COMPENSATE FOR THE LOSS OF ROOTS IN TRANSPLANTING. REQUESTED AND REQUIRED ADDITIONAL PRUNING MAY BE NECESSARY AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.

B. EVERGREEN TREES AND SHRUBS SHALL BE PRUNED ONLY TO THINK OUT HEAVY GROWTH.

PREPARATION OF GRASS AREAS

A. FINE GRADE ALL GRASS AREAS TO FINISH GRADE. ALL AREAS SHALL HAVE SMOOTH AND CONTINUAL GRADE BETWEEN THE EXISTING AND FIXED CONTROLS SUCH AS WALKS AND CURBS. ROLL, SCARIFY, RAKE AND LEVEL AS NECESSARY TO OBTAIN TRUE, EVEN AND FIRM LAWN SURFACES. ALL FINISHED GRADES SHALL MEET APPROVAL OF THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE BEFORE GRASSING OPERATIONS BEGIN.

B. AREAS TO RECEIVE GRASS

- I. TYPE OF TURF MUST BE APPROVED BY OWNER.
- II. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF SOD AREAS TO CONFIRM SQUARE FOOTAGES.
- III. GRADE WILL BE BROUGHT TO THE LEVEL OF +/- 1" OF THE FINISHED GRADE BY THE GENERAL CONTRACTOR. THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR THE TOP +/- 1" OF SOIL WORK. THIS IS TO INCLUDE ALL TOPSOIL HAULING AND PLACEMENT, SPREADING, DEBRIS REMOVAL AND ANY GRADING REQUIRED TO BRING THE FINISHED TOPSOIL GRADE TO THE PROPER LEVEL FOR GRASS.
- IV. THOROUGHLY TILL EXISTING SOIL TO A MINIMUM DEPTH OF FOUR INCHES BY RUNNING TILLING DEVICE TWO DIRECTIONS AT RIGHT ANGLES OVER THE ENTIRE SURFACE TO BE GRASSED. FINE GRADE TO ACHIEVE UNIFORMITY AND DRAINAGE.
- V. SPREAD SPECIFIED FERTILIZER AS PER MANUFACTURER'S RECOMMENDATIONS.
- VI. WORK SOIL TO A UNIFORM GRADE SO THAT ALL AREAS HAVE POSITIVE DRAINAGE AWAY FROM DRIVES, BUILDINGS AND LANDSCAPED AREAS.
- VII. CONTRACTOR TO COORDINATE WITH OWNER FOR TURF SELECTION PRIOR TO INSTALLATION.

CLEANUP & PROTECTION

A. DURING PLANTING OPERATIONS KEEP PROJECT SITE CLEAN AND ORDERLY.

B. UPON COMPLETION OF WORK, CLEAR GROUNDS OF DEBRIS, SUPERFLUOUS MATERIALS AND ALL EQUIPMENT. REMOVE FROM SITE TO SATISFACTION OF THE LANDSCAPE ARCHITECT AND OWNER.

C. PROTECT ALL WORK AND MATERIALS FROM DAMAGE DUE TO IRRIGATION OPERATIONS AND OPERATIONS BY OTHER CONTRACTORS, TRADES, AND TRESPASSERS. MAINTAIN PROTECTION UNTIL DATE OF SUBSTANTIAL COMPLETION.

D. CONTRACTOR IS RESPONSIBLE FOR THEFT OF EQUIPMENT AND MATERIAL AT THE JOB SITE BEFORE, DURING AND AFTER INSTALLATION, UNTIL DATE OF SUBSTANTIAL COMPLETION OF THE WORK IN TOTAL.

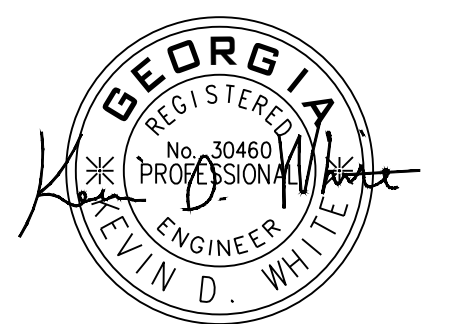


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JACKSON PARKWAY LANDSCAPE IMPROVEMENTS INTERSECTIONS OF S.R. 82 AND S.R. 15 JEFFERSON, GA 30548 JACKSON COUNTY

REVISIONS	DATE

ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE WRITTEN APPROVAL OF RED ROCK DESIGN, LLC, VIOLATE THE SEAL SHOWN HEREON AND ANY LIABILITY ASSOCIATED WITH THIS PROJECT. THE ORIGINAL DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES.



03/29/24

DATE
03/29/24

LANDSCAPE INSTALLATION DETAILS I

SHEET
L 6

24 HOUR CONTACT
MR. BARRY VICKERY
706.286.6353
PROJECT OWNER
JACKSON COUNTY
67 ATHENS ST.
JEFFERSON, GA 30548
706.367.1199
groj@jacksoncountygov.com





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JACKSON PARKWAY LANDSCAPE IMPROVEMENTS

INTERSECTIONS OF
S.R. 82 AND S.R. 15
JEFFERSON, GA 30548
JACKSON COUNTY

REVISIONS	DATE

ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE WRITTEN APPROVAL OF RED ROCK DESIGN, LLC, VOID THE SEAL SHOWN HEREON AND ANY LIABILITY ASSOCIATED WITH THIS PROJECT. THE ORIGINAL DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES.



03/29/24

DATE
03/29/24

LANDSCAPE
INSTALLATION
DETAILS II

SHEET
L 7

CANTILEVER RETAINING WALL													
TYPE	BAR DETAILS	HEIGHT (H.)	BASE (B.)	B (H.)	A _m (H.)	C (H.)	O-BARS		M-BARS		P-BARS	L-BARS	
							SIZE	SPACING	Z 1	Z 2	SIZE	LENGTH	SIZE
SLOPING BACKFILL (P=33%)	LOW	3	2'-6"	0'-7"	1'-0"	0'-11"	#3@8"	3'-0"			#3x2'-0" @18"	#4@8"	
		4	3'-2"	0'-9"	1'-0"	1'-8"	#3@8"	4'-0"			#3x2'-0" @18"	#4@8"	
		5	3'-10"	1'-0"	1'-0"	1'-10"	#3@8"	5'-0"			#3x2'-4" @18"	#4@8"	
		6	4'-6"	1'-3"	1'-0"	2'-5"	#3@13"	6'-0"			#3x4'-0" @18"	#4@8"	
		7	5'-3"	1'-6"	1'-0"	2'-9"	#3@8"	7'-0"	2'-4"			#3x4'-9" @14"	#4@8"
		8	5'-11"	1'-9"	1'-0"	3'-2"	#4@9 1/2"	8'-0"	2'-7"			#3x5'-0" @8"	#4@8"
		9	6'-8"	2'-0"	1'-0"	3'-8"	#4@9 1/2"	9'-0"	2'-9"			#4x5'-0" @11"	#4@8"

NOTES:
 1. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF NO LESS THAN 4000 PSI AS MEASURED AT 28 DAYS.
 2. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 615, GRADE 60.
 3. PROVIDE CONSTRUCTION JOINTS AT 40 FEET O.C., MAXIMUM SPACING.
 4. PROVIDE EXPANSION JOINTS AT 80 FEET O.C., MAXIMUM SPACING.
 5. STONE RUBBED FINISH SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES BY RUBBING WITH CARBORUNDUM (SILICON CARBIDE) STONE AND WATER, UNLESS ALTERNATIVE FINISH IS SPECIFIED ON PLANS.
 6. PERFORATED PIPE SHALL BE INSTALLED AT MINIMUM OF 1.00% SLOPE AND SHALL DAYLIGHT ABOVE GRADE.

POURED CONCRETE WALL DETAIL
NTS

WALL AND FOOTING CONSTRUCTION JOINT (TYP.)

WALL END DETAIL (TYP.)

WALL CORNER DETAIL (TYP.)

CONCRETE RETAINING WALL JOINT, CORNER AND END DETAIL
NTS

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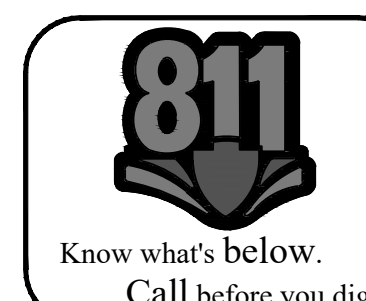


EXHIBIT B

Landscaping & Maintenance Expectations For:

JACKSON PARKWAY AT S.R. 82 AND S.R. 15 INTERSECTIONS

JEFFERSON, GA 30549

- A. Site visit and inspection – Site will be visited twice each month throughout contract period and all services shall be rendered as needed per inspection.
- B. Trash and landscape debris shall be removed from area each visit.
- C. Drives and curbs will be blown or vacuumed clean of landscape debris each visit.
- D. Landscape beds, gravel areas and paved areas shall be watered according to need and maintained weed free by use of various herbicides.
- E. Leaves will be removed from landscape, drives, lots and walks as needed.
- F. Trees, shrubs, turf grass and other plants will be inspected for the presence of disease and insects at least monthly. If detected, the facility representative will be notified. Disease and insect treatment will be paid at additional costs, as approved by facility representative.
- G. Mowing, Trimming and Edging – all turf grasses shall be mowed to proper heights, depending on type of grass. Clippings will be collected or blown as necessary. All obstacles and areas unable to be mowed will be trimmed so as to blend evenly with mowed turf grass. All curbs, walks, plant beds, etc. will be edged. Mowing and trimming of all turf areas will be performed twice monthly. Edging of all necessary areas will be performed as needed to maintain a manicured appearance. Non-selective post-emergent herbicides shall be applied to areas that cannot be mowed or trimmed.
- H. Landscape beds, shrubs and tree care – Unwanted vegetation will be controlled in landscape beds and tree rings by use of pre-emergent herbicides, post-emergent herbicides and manual removal. Landscape bed and tree ring borders will be edged as needed to prevent turf grass encroachment and to define bed lines.
- I. Insecticides – Shall be applied to visible ant mounds, as needed, to exterminate existing ants, at both courthouses only.
- J. Turf fertilization – High quality, time released fertilizers will be applied at least quarterly. Formulations shall be based on season, turf type and soil test results. Fertilization is limited to the turf areas in front and on both sides of the courthouse and at the historic courthouse.
- K. Trimming/Pruning of trees – at both courthouses only. General pruning of trees up to ten feet heights and shrubs will be performed as needed to maintain proper shape and health. Low hanging limbs, dead limbs and all trunk growths will be removed as needed to assure a manicured appearance. Major pruning of trees up to ten feet heights and plants shall occur in the winter. Any nonconforming or unhealthy limbs will be removed. Trees and shrubs will be pruned to desired sizes. Perennials shall be cut back to prepare for spring growth. All limbs and other debris will be removed from the site. Services on trees over ten feet will be paid additional, as approved by the county's representative. Trees shrubs and other plants will be fertilized once annually. Crape myrtle trees and beds along Jackson Parkway are excluded from this agreement.
- L. Weed control – Pre-emergent herbicides will be applied to turf areas throughout the year to minimize weed germination. Post emergent herbicides will be applied to turf areas as needed to eliminate existing weeds.
- M. Pine straw – to be applied around trees and shrubs and billed per unit prices of actual number of bales used. Service to be provided once in summer and once in winter at all locations. Estimate is 1000 bales per year. Pine straw shall be high quality, without excess debris.