City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
214 N. Hogan St., 10th floor
Jacksonville, FL 32202
(904) 255-8786
www.coj.net

ONE CITY. ONE JACKSONVILLE.

August 29, 2019

09/16/19 08:14:21
Procurement Division

TO: Gregory W. Pease, Chairman
Professional Services Evaluation Committee

THRU: John P. Pappas, P.E.
Director

FROM: Robin G. Smith, P. E.
Chief, Engineering and Construction Management

Steven D. Long, Jr., P. E, Chief
Right-of-Way and Stormwater Maintenance Division

SUBJECT: P-20-10 Old Plank Road Outfall Final Design
Contract 3140-31, Amendment 5
Consultant Services Account No. PWCP462SD-06505-PW0707-01
Internal Services Account No., PWGM011

Through CEI field observations it was determined that the upstream end of one of the double 54" pipes crossing below the Rail Trail had settled and needed repair. Additional services are needed to provide design and an estimated cost for the repair. Negotiations have resulted in the attached Scope of Services, Exhibit K and Fee Summary, Exhibit L. JSEB firms to be utilized to meet the 15% Participation Percentage Plan for this contract are detailed on a separate attachment. There is no rate increase associated with this amendment.

Accordingly, this is to recommend Contract #3140-31 originally executed March 18, 2011, with RS&H, Inc., for Engineering Services on Old Plank Road Outfall project be amended to incorporate Scope of Services and Fee Summary, Exhibits K & L to increase the lump sum fee for Final Design Services by a net amount of $475.00 to a new limit of $323,584.46 and to increase the not to exceed limit for Survey by a net amount of $1,025.00 to a new limit of $66,065.50 and decrease the not to exceed limits for: Traffic Engineering by $500.00 to a new limit of $17,553.60 and Landscape Architect by $1,000.00 to a new limit of $6,725.26 thereby resulting in a $0.00 amendment, leaving the maximum indebtedness to the City at $625,891.77. All other terms and conditions remain as provided in the RFP and the City's standard contract language.

RGS: lw

Attachments: Exhibits K & L

Cc: Lori West, Engineering Contract Specialist, Engineering and Construction Management
David Hahn, P.E., Engineer Manager, Engineering and Construction Management

EXHIBIT K

SCOPE OF SERVICES

FOR ENGINEERING SERVICES FOR

AMENDMENT 5

OLD PLANK ROAD DRAINAGE IMPROVEMENTS PROJECT

CITY OF JACKSONVILLE, FLORIDA

I. SCOPE OF PROJECT

Through CEI field observations it was determined that the upstream end of one of the double 54" pipes crossing below the Rail Trail had settled and needed repair. The intent of this amendment is to obtain updated survey at the north outfall of the Lateral Outfall Ditch and to improve the upstream end of the 2-54" pipes crossing below the Rail Trail.

A. Obtain updated survey within the limits of the upstream end of the 2-54" pipes (Clary and Associates).

B. Use survey to revise roadway plans to include an endwall treatment at the upstream end of the 2-54" pipes and extend the riprap limits (RS&H).

C. Provide opinion of probable cost for the proposed work (RS&H).

II. BUDGET

Additional funds are outlined in the Fee Summary attached.

III. NOTICE TO PROCEED

No work on this project shall be performed until this contract has been executed and a Notice to Proceed is issued which specifically authorizes such work.

EXHIBIT L

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project Old Plank Road Drainage Improvements Final Design - Amd. 5	**2. Proposal No./Contract No.** P-20-10
3. Name of Consultant RS&H, Inc.	**4. Date of Proposal** 8/7/2019

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Senior Drainage Engineer	$ 64.90	9	$ 584.10	
Project Manager	$ 59.51	12	$ 714.12	
Professional Engineer	$ 41.48	15	$ 622.20	
Sr. Environmental Scientist	$ 39.98	0	$ 0.00	
Landscape Architect	$ 35.42	0	$ 0.00	
Design Engineer	$ 27.16	8	$ 217.28	
Technician	$ 36.58	16	$ 585.28	
Clerical	$ 17.61	0	$ 0.00	
TOTAL DIRECT LABOR	$45.38	60		$ 2,722.98
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate 150 % x Total Direct Labor				$ 4,084.47
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 6,807.45
8. PROFIT: Labor Related Costs (Item 7) x 10%				$ 680.75

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs (Lump Sum)		
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, and 9)		$ 7,488.20
10. SUBCONTRACTS (Limiting Amount)		
Amend 5 Design Survey - (Clary at current contract rates	$ 1,740.00	
Clary - VVH	$ (715.00)	
Permit Fees/VMS	$ (690.54)	
VMS for Public Meeting	$ (1,500.00)	
Walsh & Walsh	$ (1,000.00)	
Peters & Yafee	$ (500.00)	
Amendment 4 (RS&H)	$ (4,822.66)	
SUB-CONTRACT SUB-TOTAL		$ (7,488.20)
11. REIMBURSABLE COSTS (Limiting Amount) No change		
SUB-TOTAL REIMBURSABLES		$ -
TOTAL LIMITING AMOUNT (Items 10 and 11)		$ (7,488.20)

PART IV - SUMMARY	
13. TOTAL AMOUNT AMENDMENT NO. 5 (Lump Sum Plus Reimbursables (Items 5, 6, 8, 9, 10, 11 and 12)	$ -
14. CURRENT CONTRACT AMOUNT	**$ 625,891.77**
15. AMENDED CONTRACT AMOUNT	**$ 625,891.77**

EXHIBIT L

ESTIMATE OF WORK EFFORT AND FEE FOR CONSTRUCTION PLANS

CONSULTANT: RS&H, Inc.
RFP NO.: P-20-10

NAME OF PROJECT: Old Plank Road Drainage Improvements Final Design - Amd. 5
FROM: Halsema Road
TO: Bea Lane
LENGTH: ±1 mile

ESTIMATOR NAME / DATE: Vanessa Vitale 7/31/2019

No. / ACTIVITY	SR DRAINAGE ENGINEER RATE/HR= $ 64.90		PROJECT MANAGER RATE/HR= $59.51		PROF. ENGINEER RATE/HR= $41.48		SR ENV. SCIENTIST RATE/HR= $ 39.98		LANDSCAPE ARCHITECT RATE/HR= $ 35.42	
	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST
1. Basic Roadway Plan Prep.	0	$0.00	4	$238.04	8	$331.84	0	$0.00	0	$0.00
2. Drainage Design	5	$324.50	2	$119.02	5	$207.40	0	$0.00	0	$0.00
3. General Tasks	4	$259.60	6	$357.06	2	$82.96	0	$0.00	0	$0.00
4. Environmental/Permitting	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00
		$0.00		$0.00						
TOTAL	9	$584.10	12	$714.12	15	$622.20	0	$0.00	0	$0.00

No. / ACTIVITY	DESIGN ENGINEER RATE/HR= $ 27.16		TECHNICIAN RATE/HR= $ 36.58		CLERICAL RATE/HR= $17.61		MAN HOURS	SALARY	AVG.	SALARY COST
	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	BY ACTIVITY	COST BY ACTIVITY	HOURLY COST	DIST. %
1. Basic Roadway Plan Prep.	4	$108.64	8	$292.64	0	$0.00	24	$971.16	$40.47	35.7
2. Drainage Design	4	$108.64	8	$292.64	0	$0.00	24	$1,052.20	$43.84	38.6
3. General Tasks	0	$0.00	0	$0.00	0	$0.00	12	$699.62	$58.30	25.7
4. Environmental/Permitting	0	$0.00	0	$0.00	0	$0.00	0	$0.00	$0.00	0.0
TOTAL	8	$217.28	16	$585.28	0	$0.00	60	$2,722.98	$45.38	100.0

EXHIBIT L

SUMMARY OF MANHOUR REQUIREMENTS

CONSULTANT:	RS&H, Inc.	NAME OF PROJECT:	Old Plank Road Drainage Improvements Final Design - Amd. 5
RFP NO.:	P-20-10	FROM:	Halsema Road
PREPARED:	7/31/2019	TO:	Bea Lane

	ITEM	NO. OF SHEETS	TOTAL MANHOURS	COMMENTS
1	Basic Roadway Plan Prep.	15	24	
2	Drainage Design	4	24	
3	General Tasks	0	12	
4	Environmental/Permitting	0	0	
	Field Review			N/A
	Plans Checking			Included in Items above
	TOTAL	19	60	2.53 Hours/Sheet without Environmental & Permitting and General Tasks (sheets do not include ICPR model udpates)

SHEET 4

ROADWAY PLANS PREPARATION

EXHIBIT L

CONSULTANT: RS&H, Inc.
RFP NO.: P-20-10
PREPARED: 7/31/2019

NAME OF PROJECT: Old Plank Road Drainage Improvements Final Design - Amd. 5
FROM: Halsema Road
TO: Bea Lane

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
1. Basic Roadway Plan Prep.							
Key Map, Index & Standards		Sheet	1	2	1.00	2.00	Revise cover and add Revision sheet
Typical Section and Notes		Sheet	0	0	0.00	0.00	NA
Summary of Quantities		Sheet	1	1	4.00	4.00	Revise to include pipe, endwall and riprap extension
Mass Diagram		Sheet	0	0	0.00	0.00	NA
Plan & Profile - Urban	1"=20'	Sheet	0	0	0.00	0.00	NA
Plan & Profile - Rural	1"=20'	Sheet	1	1	6.00	6.00	Revise to include pipe, endwall and riprap extension
Intersection Details	1"=20'	Sheet	0	0	0.00	0.00	NA
Intersection Profiles	1"=20'H, 1"=2'V	Sheet	0	0	0.00	0.00	NA
Back of Sidewalk Profiles		Sheet	0	0	0.00	0.00	NA
Special Profiles		Sheet	0	0	0.00	0.00	NA
Misc. Constr. Details		Sheet	0	0	0.00	0.00	NA
Maintenance of Traffic		Sheet	0	0	0.00	0.00	NA
Cross Sections - Urban		Section	0	0	0.00	0.00	NA
Cross Sections - Rural		Section	1	1	4.00	4.00	Revise to include pipe, endwall and riprap extension
Wetland Restoration/Creation Plan Sheets		Section	1	1	2.00	2.00	Revise to include pipe, endwall and riprap extension
Quantity Take-Off		L.S.	1	0	2.00	2.00	Revise to include pipe, endwall and riprap extension
Specifications		L.S.	0	0	0.00	0.00	N/A
Cost Estimates		Each	1	0	4.00	4.00	Revise to include pipe, endwall and riprap extension
Pavement Design		L.S.	0	0	0.00	0.00	N/A
Public Meeting		Each	0	0	0.00	0.00	N/A
Meetings - City		Each	0	0	0.00	0.00	N/A
Clearing & Grubbing Plans	1"=40'	Sheet	0	0	0.00	0.00	N/A
Landscaping Plans	1"=20'	Sheet	0	0	0.00	0.00	N/A
Supervision & QC		L.S.	0	0	0.00	0.00	N/A
Utilities & Railroad		LS	0	0	0.00	0.00	N/A
ROADWAY PLANS TOTALS				6		24.00	Includes Sheet and Manhours for Utilities & Railroad - See Sheet 7

DRAINAGE DESIGN AND PLANS PREPARATION

EXHIBIT L

CONSULTANT: RS&H, Inc.
RFP NO.: P-20-10
PREPARED: 7/31/2019

NAME OF PROJECT: Old Plank Road Drainage Improvements Final Design - Amd. 5
FROM: Halsema Road
TO: Bea Lane

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
1 Utility	1"=						
Utility Adjustment Sheets	1"=20'	Sheet	0	0	0.00	0.00	N/A
Railroad Key Map		Sheet	0	0	0.00	0.00	N/A
Railroad Plan Sheet		Sheet	0	0	0.00	0.00	N/A
Railroad Drainage Struct.		Section	0	0	0.00	0.00	N/A
Water & Sewer Design		Sheet	0	0	0.00	0.00	N/A
Railroad Hearings		Each	0		0.00	0.00	N/A
UTILITIES & RAILROADS TOTALS				0		0.00	
2 Drainage Design	1"=						
Drainage Map - Rural	1"=100'	Sheet	0	0	0.00	0.00	NA
Drainage Map - Urban	1"=100'	Sheet	0	0	0.00	0.00	NA
Supplementary Drain. Map	1"=100'	Sheet	0	0	0.00	0.00	NA
Drainage Design - Pond		L.S.	0	0	0.00	0.00	NA
Drainage Design - Modeling		L.S.	1	1	12.00	12.00	Provide detailed grading as needed
Design - Major X-Drains		Each	0	0	0.00	0.00	NA
Drainage Struct. - Rural		Sheet	1	1	8.00	8.00	Revise to include pipe, endwall and riprap extension, confirm grading
Drainage Struct. - Urban		Sheet	0	0	0.00	0.00	NA
Summary - Drainage Struct		Sheet	1	1	2.00	2.00	Revise to include pipe, endwall and riprap extension
Ret/Det Basins		Sheet	0	0	0.00	0.00	NA
Outfalls & Laterals		Sheet	0	0	0.00	0.00	NA
Underdrain Plans		Sheet	0	0	0.00	0.00	NA
Erosion Control Plans	1"=100'	Sheet	1	1	2.00	2.00	Revise to include pipe, endwall and riprap extension
DRAINAGE TOTALS				4		24.00	

GENERAL TASKS

EXHIBIT L

CONSULTANT: RS&H, Inc.
RFP NO.: P-20-10
PREPARED: 7/31/2019

NAME OF PROJECT: Old Plank Road Drainage Improvements Final Design - Amd. 5
FROM: Halsema Road
TO: Bea Lane

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
3 General Tasks	1"=						
Project Management		L.S.	1		5.00	5.00	
Pre-Construction Meeting		Each	0			0.00	
Bidding RFIs/Prepare Addenda		Each	1		2.00	2.00	
Coordination with Subconsultants		L.S.	1		4.00	4.00	
Shop Drawing Review		Each	1		1.00	1.00	
GENERAL TASKS TOTALS			4.00	0.00	12.00	12.00	N/A

EXHIBIT L

ESTIMATE SHEET

SURVEY & RIGHT OF WAY MAPS

CONSULTANT: RS&H

NAME OF PROJECT: Old Plank Road Drainage

SUBCONSULTANT: Clary & Associates, Inc.

FROM:

TO:

3 MAN SURVEY RATE = $1,200.00

SURVEYOR = $165.00

CADD TECHNICIAN = $90.00

CLERICAL = $51.50

ITEM Design Survey	3-MAN DAYS	4 MAN DAYS	3-MAN COST	TOTAL COST	COMMENTS
Baseline Control	0.2		$1,200.00	$240.00	recover or set horizontal control
Alignment	0		$1,200.00	$0.00	
Target Placement	0		$1,200.00	$0.00	
Reference Points	0		$1,200.00	$0.00	
Section Line Ties	0		$1,200.00	$0.00	
Property/Subdivision Ties	0		$1,200.00	$0.00	
Side Street Intersections	0		$1,200.00	$0.00	
Topography	0.6		$1,200.00	$720.00	resurvey a 115' x 115' area
Bench Levels	0		$1,200.00	$0.00	
Roadway Cross-Sections	0		$1,200.00	$0.00	
Underground Utilities	0		$1,200.00	$0.00	
Jurisdictional Survey	0		$1,200.00	$0.00	
Locate Borings	0		$1,200.00	$0.00	
Pond Survey	0		$1,200.00	$0.00	
Wetland Boundary	0		$1,200.00	$0.00	
Tree Survey	0		$1,200.00	$0.00	
TOTAL	**0.8**			**$960.00**	
OFFICE SUPPORT	UNIT	NO. OF UNITS	COST/ UNIT	TOTAL COST	
Surveyor & Mapper	Hour	2	$165.00	$330.00	supervise
Cadd Technician	Hour	5	$90.00	$450.00	mapping
Clerical	Hour		$51.50	$0.00	
TOTAL				**$780.00**	
RIGHTS-OF-WAY	UNIT	NO. OF UNITS	COST/ UNIT	TOTAL COST	
Control/Existing ROW Maps	Hour	0	$90.00	$0.00	
Right-of-Way Maps	Hour	0	$90.00	$0.00	
Legal Descriptions	Hour	0	$90.00	$0.00	
Topographic Maps	Hour		$90.00	$0.00	
Last Deed	Each	0	$90.00	$0.00	
TOTAL		**0**		**$0.00**	

TOTAL COST $ $1,740.00

PREPARED: 7/29/2019

LIMITING AMOUNT	UNIT	NO. OF UNITS	COST/ UNIT	TOTAL COST		
VVH LOCATIONS	Each			**$0.00**		

EXHIBIT L

Clary
PROFESSIONAL SURVEYORS & MAPPERS

SCOPE OF SERVICES

OLD PLANK ROAD DRAINAGE

ADDITIONAL TOPOGRAPHY

CITY OF JACKSONVILLE

July 29, 2019

- Recover and or set horizontal and vertical control
- Re-survey a 115' x 115' area at the Baldwin Trail to locate existing conditions at 2-54" pipes crossing trail (see attached for limits)
- Include new survey data into existing data, create new drainage, topographical and DTM files to be delivered to engineer
- Vertical and horizontal datum will remain the same as the original surveys
- Auto Cad files will be submitted

3830 Crown Point Road, Jacksonville, Florida 32257
(904) 260-2703 • fax (904) 260-3799 • www.claryassoc.com

EXHIBIT L

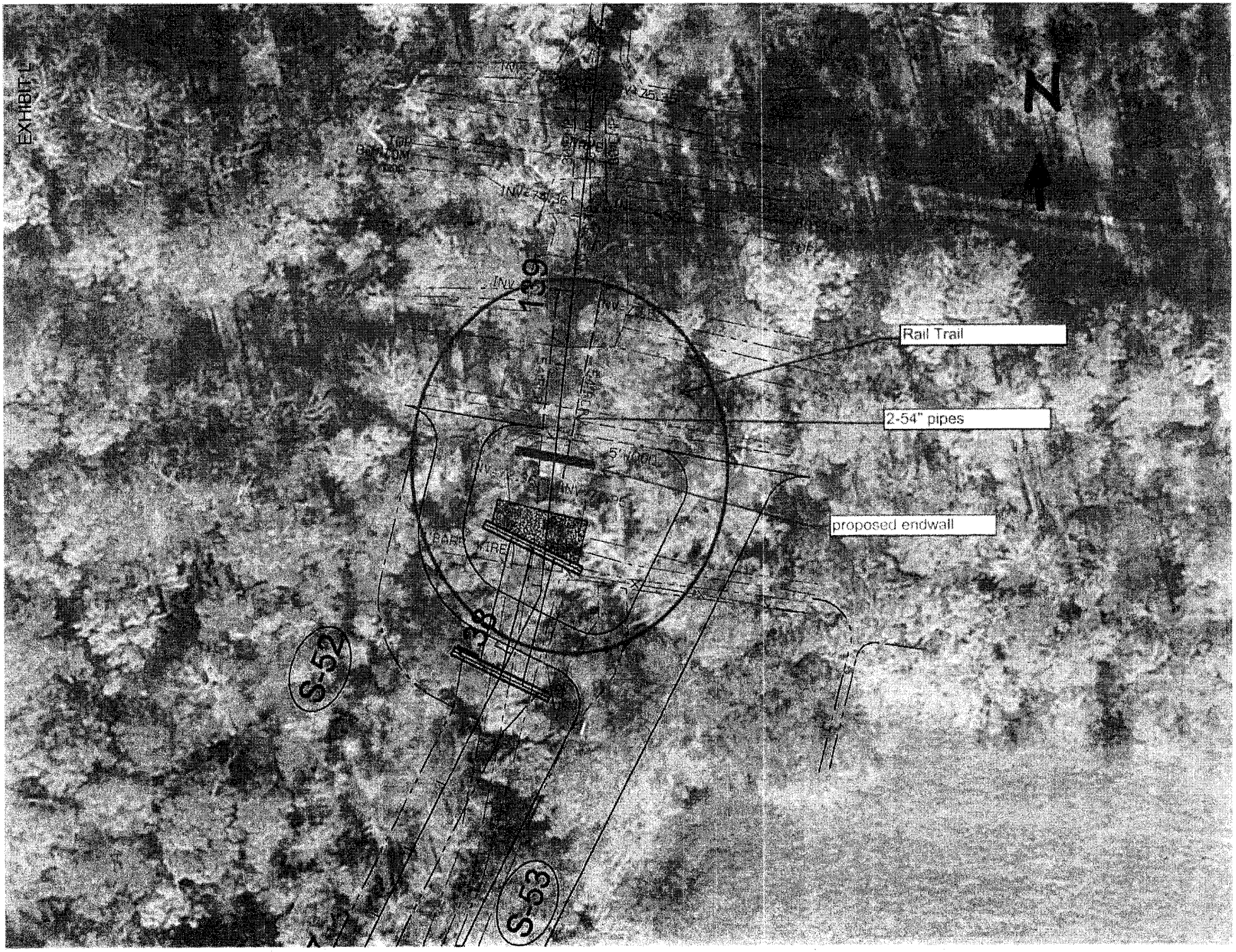
N
Rail Trail
2-54" pipes
proposed endwall
139
138
S-52
S-53
5' WOOD
BARB WIRE
INV

EXHIBIT L

Patty Drive
Rail Trail Crossing
Jacksonville-Baldwin Trail
Bullard Ln
Joandale Rd
Kedrick Ln
Bea Ln
Otis
Woodcutter Rd
Towering Pines Dr
119
Old Plank Rd