SUBJECT: **RFQ FOR DESIGN-BUILD SVCS FOR HORIZONTAL/CIVIL ENGINEERING PROJECTS**

BID # **CDB-0006-16** OPEN DATE: **10/21/2015**

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: **DEPARTMENT OF PUBLIC WORKS**

BASIS OF AWARD: **QUALIFICATIONS BASED**

NUMBER OF BIDS INVITED: - NUMBER RECEIVED: - OTHER: -

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The Department of Public Works has completed negotiations with J.B. Coxwell Contracting, Inc., for the Mandarin Road and Orange Picker Road Sidewalks in accordance with subject bid.

Recommend approval of award to J. B. Coxwell Contracting, Inc., in the guaranteed maximum price not-to-exceed $1,267,545.79 which includes a contingency of $25,000.00. The scope of award is to provide 100% design, permitting and construction related services for a new sidewalk to be installed on Mandarin Road from San Jose Blvd. to Ingle Lane and from Orange Picker Road to Red Cypress Drive. The total length of approximately 8,600 LF sidewalks will be laid on Orange Picker Road from Mandarin Road to Brady Road. This incorporates the attached, scope and fee summary, Exhibit "U-1", which allows for 120 days for design and permitting and 210 days for the construction phase for a guaranteed completion of 330 days from issuance of notice-to-proceed.

Funding for this award is to be executed by Amendment 19A for contract # 6533-54 and encumbered by account(s): PWCP32ERD549-069505-PW0648-02- $747,623.85, PWCP32ERD549-06505-PW0337-02- $397,134.33; PWCP32ERD549-06505-PW0785-01- $122,787.61

Attachments: Recommendation Memo, Exhibit "U-1", Previous Award(s)

BUYER Marilyn Laidler
MARILYN LAIDLER

RESPECTFULLY SUBMITTED
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: **Ed Starnes, P.E., J.D., Acting Chief, Public Works Department/ Steve D. Long, Jr., P.E., Chief, Right-of-Way and Stormwater Maintenance**

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING_____ MEMBERS DISAPPROVING_____ DATE:_____

_____ _____ OTHER_____

_____ _____

_____ _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED_____ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION _____

City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, FL 32202
(904) 255-8762
www.coj.net

ONE CITY. ONE JACKSONVILLE

November 7, 2018

TO: Gregory W. Pease
Chief of Procurement

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

FROM: Ed Starnes, P.E., J.D.
Acting Chief, Engineering and Construction Management

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

SUBJECT: CDB-0006-16 – Design-Build Services - Horizontal & Civil Engineering – Mandarin Road and Orange Picker Road Sidewalks AMENDMENT 19A

Based on the design criteria package, the Department of Public Works, in accordance with Design/Build CDB-0006-16, Contract 6533-54, has completed negotiations with J. B. Coxwell Contracting, Inc., to provide 100% design, permitting and construction related services for a new sidewalk to be installed on Mandarin Road from San Jose Blvd. to Ingle Lane and from Orange Picker Road to Red Cypress Drive, as well as on Orange Picker Road from Mandarin Road to Brady Road for a total length of approximately 8,600 LF. Negotiations have resulted in the attached Scope and Fee, Exhibit U-1 for the GMP amount of $1,267,545.79, which includes a contingency of $25,000.00 for this work and allows for 120 days for design and permitting and 210 days for the construction phase for a total of 330 days from the notice to proceed.

Accordingly, this is to recommend that Contract No #6533-54, originally executed May 2, 2016, between the City and J. B. Coxwell Contracting, Inc. for Design-Build Services- Horizontal & Civil Engineering, be amended to incorporate the attached Scope and Fee Summary, Exhibit U-1 for Mandarin Road and Orange Picker Road Sidewalks the GMP amount of $1,267,545.79, known as Amendment 19A.

To be encumbered as follows:

PWCP32ERD549-069505-PW0648-02	$747,623.85
PWCP32ERD549-06505-PW0337-02	$397,134.33
PWCP32ERD549-06505-PW0785-01	$122,787.61
TOTAL	$1,267,545.79

ESJ/lw

Attachment: Exhibit U-1

ab

EXHIBIT U-1

J.B. Coxwell Contracting, Inc.
6741 Lloyd Road West
Jacksonville, Florida 32254
Office (904) 786-1120 Fax (904) 783-2970

October 25, 2018

Michael Derbaum, P.E.
City of Jacksonville Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, Florida 32202

Re: Scope of Services & Fee Proposal for Mandarin Rd & Orange Picker Rd Sidewalks
100% Design, Permitting and Construction Services
Design-Build Construction Delivery for City of Jacksonville-RFQ CDB-0006-16
City Contract No. 6533-54

Dear Mr. Derbaum:

J.B. Coxwell Contracting, Inc. (JBCCI) is pleased to submit for your review and consideration the following design-build scope of services and attached lump sum Guaranteed Maximum Price (GMP) fee proposal for 100% design, permitting and construction of the above referenced project. This proposal is based on the COJ's Design Criteria Package dated October 3rd, 2018. The scope of the work is generally described as providing for 100% design, permitting, post design, and construction related services for the new sidewalk to be installed on Mandarin Road from San Jose Blvd to Ingle Lane, and from Orange Picker Road to Red Cypress Drive, as well as on Orange Picker Road from Mandarin Road to Brady Road. The total length of the sidewalk project is roughly 8,600 LF. The project includes drainage improvements, including reconfiguration and construction of new ditches and installing new stormwater inlets and piping. The full details of the proposed improvements that served as the basis for this proposal are per the October 3rd, 2018 Design Criteria Package and as outlined on the attached proposals.

As detailed on the attached documentation, the proposed total lump sum GMP amount for the 100% design, permitting and construction is One Million Two Hundred Sixty-Seven Thousand Five Hundred Forty-Five Dollars and Seventy-Nine Cents ($1,267,545.79) which includes a project contingency of $25,000.00. The project contingency is for project elements which have not been fully designed and permitted, and which may increase in quantity or cost during the final design phase or during construction. The project contingency is for the Design-Builder's benefit and not for changed field conditions, unknown field conditions or added scope of work. The design and permitting phase will be completed in one hundred and twenty days (120), whereas the construction will be completed within two hundred ten days (210), or a total of three hundred thirty days (330) from notice-to-proceed.

This lump sum GMP amount is inclusive of only those services noted on the attached proposals and which are anticipated at this time. No services or work other than those noted in the proposals are

included. Our proposal does not include tree mitigation fees, wetland mitigation fees, or construction quality control testing, as these fees are typically paid direct by the City of Jacksonville. In addition, any unknown condition(s) which may surface during design and construction or any other increase in scope of services may result in a request for additional services. No work will proceed however, without first obtaining approval from the City for any additional services.

Michael, our team has staff immediately available to begin this work upon your notice-to-proceed. We are again very appreciative of the opportunity to provide you with our design-build services. Should you have any questions or need any further information, please do not hesitate to contact us. We are also available to review and discuss this proposal with you and/or others at your convenience.

Regards,

J.B. Coxwell Contracting, Inc.

Jayson Smith

Jayson Smith,
Design Build Manager

Cc: Chris Blank, Vice President of Operations
J.B. Coxwell Contracting, Inc.

Eddie Greene, Vice President of Operations
J.B. Coxwell Contracting, Inc.

Nicholas E. Mousa, AICP, Director -Florida Market Initiatives
GAI Consultants, Inc.

Kevin Leadbetter, P.E., Vice President
GAI Consultants, Inc.

Exhibit A
JBCCI Contract Fee Summary For
100% Design Build for Mandarin Rd & Orange Picker Rd Sidewalk Project

PART I - GENERAL

1. Project Design-Build Construction Delivery for City of Jacksonville - 100% Design Build for Mandarin Rd & Orange Picker Rd Sidewalk Project	**2. City Contract Number** 6533-54
3. Name of Design-Builder J.B. Coxwell Contracting, Inc.	**4. Date of Proposal** 10/25/2018

PART II - LABOR RELATED COSTS

5. DIRECT LABOR **Pre-Construction Services**	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Director	$ 105.00	1	$ 105.00	
Project Manager	$ 57.50	10	$ 575.00	
Project Estimator	$ 52.00	10	$ 520.00	
Project Administrator	$ 30.00	10	$ 300.00	
			TOTAL DIRECT LABOR	$ 1,500.00
6. OVERHEAD (Combined Fringe Benefits & Administrative) Overhead Rate 54.46%				$ 816.90
7. TOTAL LUMP SUM LABOR FEE : Labor + Overhead (Items 5 & 6)				**$ 2,316.90**

PART III - OTHER COSTS

8. MISCELLANEOUS DIRECT COSTS Reproductions, Courier Service, Postage, Express Delivery, and other Misc. Direct Costs	$ 800.00
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	**$ 800.00**
9. COST OF THE WORK	
JBCCI Construction Estimate (100%)	$ 951,809.88
Construction Contingency	$ 25,000.00
GAI Consultants, Inc. 100% Design & Permitting Fees	$ 215,307.35
COST OF THE WORK SUB-TOTAL	**$ 1,192,117.23**
10. SUBTOTAL - DESIGN & CONSTRUCTION FEES	**$ 1,195,234.13**
11. BONDING (1%)	**$ 11,952.34**
12. Design-Builder's Fee (5%)	**$ 60,359.32**

PART IV - FEE SUMMARY

TOTAL - LUMP SUM FEE	**$ 1,267,545.79**

EXHIBIT U-1

10/25/2018
JBCCI Est.18129

Construction Estimate for Mandarin Rd & Orange Picker RD SW

ESTIMATE TOTALS

Biditem	Description	Quantity	Units	Unit Price	Bid Total
1	General Conditions	1.000	LS	155,498.960	155,498.96
20	Maintenance Of Traffic	1.000	LS	57,623.380	57,623.38
30	Erosion Control	1.000	LS	9,812.250	9,812.25
40	Clearing & Grubbing	1.000	LS	86,908.730	86,908.73
50	Site Preparation	1.000	LS	12,133.320	12,133.32
60	Stripping (2-3" Avg Depth)	1.000	LS	53,287.580	53,287.58
80	Import Fill (Truck Measure)	1,665.000	CY	25.189	41,939.69
85	Balance Job & Shape Ditches	1.000	LS	85,944.910	85,944.91
90	Curb & Gutter	58.000	LF	35.088	2,035.10
100	Concrete Sidewalk 4" Thick	4,225.000	SY	48.386	204,430.85
110	ADA Detectable Warning	68.000	SF	44.742	3,042.46
120	Concrete Driveway 5" Thick	296.000	SY	63.871	18,905.82
130	Brick Paver Sidewalk	119.000	SY	72.216	8,593.70
140	Relocate Wood Rail Fence	180.000	LF	25.085	4,515.30
150	Striping for Rdwy	1.000	LS	2,257.630	2,257.63
160	Relocate Signs	4.000	EA	131.250	525.00
170	Permanent Grassing (Seed & Sod)	14,445.000	SY	8.201	118,463.45
180	15" RCP	66.000	LF	70.116	4,627.66
190	18" RCP	562.000	LF	65.075	36,572.15
200	14" x 23" ERCP	8.000	LF	635.238	5,081.90
210	Type "C" Ditch Bottom Inlet	6.000	EA	2,240.058	13,440.35
220	Storm Manhole	3.000	EA	4,511.113	13,533.34
230	14" x 23" End Wall	1.000	EA	1,579.800	1,579.80
240	15" MES	3.000	EA	945.170	2,835.51
250	18" MES	8.000	EA	1,027.630	8,221.04

Bid Total ==========> $951,809.88

Clarifications/ Exclusions;

- All public notices and public meetings to be handled by the City of Jacksonville
- Work to be performed in one mobilization/ one demobilization
- Estimate assumes normal work hours to be M-F, 7 am through 5:30pm
- Estimate assumes the existing soil excavated from the project can be re-used on site as backfill
- Estimate does not include any fees associated with tree mitigation (tree removal, planting, or mitigation fees)
- Estimate does not include any fees associated with wetland mitigation (payment for mitigation services)
- Estimate does not include any new utility work other than the minor storm drainage work required for the improvements.
- Estimate assumes COJ will provide all temporary or permanent easements, and construction access agreements.
- Estimate assumes COJ will provide all existing survey information and provide a benchmark for the project.
- Estimate assumes all work to be performed in accordance with the COJ specifications.
- Estimate does not include any work associated with any relocation or new irrigation/ landscaping services (other than grassing impacted areas), as this will be performed by others (per bid documents) in a separate contract.
- Existing private and public utility locates, identification, protection, isolation, and relocation by others (including but not limited to electric, water, sewer, cable, telephone, misc. communications, traffic signal, street lighting, gas, fiber optic
- Estimate excludes unknown subsurface debris removal/ disposal.
- Estimate excludes unsuitable soil removal/ replacement, as we do not anticipate this scope to be required on the project.
- Estimate excludes any work associated with the discovery or handling of hazardous or non-hazardous waste that may be encountered while constructing this project.
- Estimate does not include construction materials testing or QC Testing for construction services, fees paid direct by COJ

gai consultants

Jacksonville Office
1301 Riverplace Boulevard
Suite 900
Jacksonville, Florida, 32207

T 904.363.1110
F 904.363.1115

EXHIBIT U-1

October 25, 2018

Mr. Jayson Smith
Design-Build Manager
J.B. Coxwell Contracting, Inc.
6741 Lloyd Road West
Jacksonville, Florida 32254

Re: Fee Proposal for Design, Permitting and Post Design Services
Orange Picker and Mandarin Road Sidewalks
Design-Build Construction Delivery for the City of Jacksonville
RFQ CDB-0006-16/City Contract No. 6533-54

Dear Mr. Smith:

In accordance with the terms and conditions of our master agreement for professional services dated 06-07-16, **GAI Consultants, Inc., (GAI)**, is providing you with this proposal for the above referenced project.

Project Understanding and Scope of Services

GAI is in receipt of a Design Criteria Package (DCP) issued by the City of Jacksonville and dated October 3, 2018 for the subject project. The DCP and its associated design plans and other attachments served as the basis for this proposal.

Under this proposal, GAI will provide for 100% design, permitting, and post-design services for the subject project. The project generally consists of approximately 8,600LF of new sidewalk construction along Oranger Picker and Mandarin Roads along with associated drainage improvements.

It is anticipated that some wetland and tree impacts will be encountered with these projects, with wetland and tree mitigation fees to be paid directly to by the City of Jacksonville. It is also anticipated that utility coordination will also be required wherein GAI will work to locate utilities and reflect proposed relocations on our plans, however any design of relocated utilities will be by others. Finally, if any wetlands are discovered within the sections of sidewalk proposed to be completed to 100% completion under this proposal, those sections of sidewalk will only be progressed to 60%, and an amendment to this proposal for additional permitting fees may be required.

Based on the above, GAI proposes the following scope of services.

100% design, permitting, and post design services:

1. Obtain supplemental survey of the proposed project corridor, as may be necessary.
2. Obtain geotechnical information required to finalize the design in accordance with the attached MAE proposal dated September 20, 2018.
3. Perform Environmental Services in accordance with the attached Scope of Services Fee Outline from Gary Howalt dated May 8, 2018.
4. Obtain utility locate information.
5. Submit utility coordination letters to various utility companies. It is assumed that utility relocation plans will be developed by the utility companies.
6. Utilizing survey and CAD files provided by the City, and based on the findings of items 1 through 5 above, GAI will develop 100% design documents and obtain permits for this project. This includes the necessary tree mitigation plans.
7. City 10-set Permitting (as applicable)
8. SJRWMD Permitting (as applicable)

9. ACOE Permitting (as applicable)

GAI will attend design review meetings with you and/or the City if required. GAI's scope of work will also entail managing the project, attending project design review meetings, providing quality assurance and quality control during and at the completion of the design, permitting and post design phases, documenting meeting results and directives as issued by the City, schedule evaluations, and budgetary controls.

Items not included in this scope of services:

1. Utility relocation design.
2. Landscape/hardscape/irrigation design.
3. Lighting Design.
4. Wetland Mitigation Fees.
5. Temporary Construction Easements
6. Tree Plantings
7. Arborist Services
8. Tree Mitigation Fees.
9. Construction Inspection.
10. Any other design services not specifically itemized herein.

If you have any questions, please do not hesitate to give us a call.

Regards,

GAI CONSULTANTS, INC.

Kevin R. Leadbetter, P.E.
Vice President

KRL/kb

Attachments: GAI Fee Summaries
MAE Proposal Dated September 20, 2018
Outline of ESI Services Dated May 8, 2018

Exhibit A - Page 1 of 1
CONTRACT FEE SUMMARY FOR
Orange Picker Road Sidewalk 100% Design Services

PART I - GENERAL	
1. Project - D/B Construction Delivery for COJ Orange Picker 100%	**2. Project Number** CDB-0006-16
3. Name of Consultant GAI Consultants, Inc.	**4. Date of Proposal** 10/25/2018

PART II - LABOR RELATED COSTS

5. DIRECT LABOR	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 104.30	4	$ 417.20	
Project Manager (Responsible Prof.)	$ 84.59	40	$ 3,383.60	
Senior Project Engineer	$ 64.49	65	$ 4,191.85	
Project Engineer	$ 49.14	172	$ 8,452.08	
Engineer Intern	$ 34.38	87	$ 2,991.06	
Senior Designer	$ 37.98	20	$ 759.60	
Designer/Sr. CADD Technician	$ 28.43	30	$ 852.90	
CADD Technician	$ 25.14	20	$ 502.80	
Clerical	$ 19.91	4	$ 79.64	
Survey Manager (PSM)	$ 58.62	6	$ 351.72	
Three Man Survey Crew	$ 79.04	16	$ 1,264.64	
			TOTAL DIRECT LABOR	**$ 23,247.09**
6. OVERHEAD (Combined Fringe Benefits & Administrative) Overhead Rate 173.58%				$ 40,352.30
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 63,599.39**
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 6,359.94
			SUB-TOTAL SALARY RELATED COSTS	**$ 69,959.33**

PART III - OTHER COSTS

9. MISCELLANEOUS DIRECT COSTS	
Misc. Direct Expenses (Lump Sum)	$ 1,200.00
SJRWMD	$ 2,100.00
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	**$ 3,300.00**
10. SUBCONTRACTS (Lump Sum)	
Environmental Services Inc.	$ 13,800.00
FR Aleman	$ 5,000.00
Landscape Architect Budget	$ 12,000.00
MAE	$ 3,500.00
SUB-CONTRACT SUB-TOTAL	**$ 34,300.00**

PART IV - SUMMARY

TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)	**$ 107,559.33**

Exhibit A - Page 1 of 1
CONTRACT FEE SUMMARY FOR
Mandrain Road Sidewalk 100% Design Services

PART I - GENERAL	
1. Project - D/B Construction Delivery for COJ Mandrain 100%	**2. Project Number** CDB-0006-16
3. Name of Consultant GAI Consultants, Inc.	**4. Date of Proposal** 10/24/2018

PART II - LABOR RELATED COSTS

5. DIRECT LABOR	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 104.30	4	$ 417.20	
Project Manager (Responsible Prof.)	$ 84.59	40	$ 3,383.60	
Senior Project Engineer	$ 64.49	66	$ 4,256.34	
Project Engineer	$ 49.14	180	$ 8,845.20	
Engineer Intern	$ 34.38	82	$ 2,819.16	
Senior Designer	$ 37.98	20	$ 759.60	
Designer/Sr. CADD Technician	$ 28.43	28	$ 796.04	
CADD Technician	$ 25.14	20	$ 502.80	
Clerical	$ 19.91	4	$ 79.64	
Survey Manager (PSM)	$ 58.62	6	$ 351.72	
Three Man Survey Crew	$ 79.04	16	$ 1,264.64	
			TOTAL DIRECT LABOR	**$ 23,475.94**
6. OVERHEAD (Combined Fringe Benefits & Administrative) Overhead Rate 173.58%				$ 40,749.54
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 64,225.48**
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 6,422.55
			SUB-TOTAL SALARY RELATED COSTS	**$ 70,648.02**

PART III - OTHER COSTS

9. MISCELLANEOUS DIRECT COSTS	
Misc. Direct Expenses (Lump Sum)	$ 1,200.00
SJRWMD	$ 2,100.00
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	**$ 3,300.00**
10. SUBCONTRACTS (Lump Sum)	
Environmental Services Inc.	$ 13,800.00
FR Aleman	$ 5,000.00
Landscape Architect Budget	$ 12,000.00
MAE	$ 3,000.00
SUB-CONTRACT SUB-TOTAL	**$ 33,800.00**

PART IV - SUMMARY

TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)	**$ 107,748.02**

EXHIBIT U-1

Nick Mousa

From: Bob Baxter
Sent: Wednesday, May 09, 2018 8:06 AM
To: Nick Mousa
Subject: ESI Orange Picker and Mandarin Road sidewalks

From: Gary Howalt [mailto:ghowalt@ESINC.CC]
Sent: Tuesday, May 08, 2018 9:11 AM
To: Bob Baxter <r.baxter@gaiconsultants.com>
Subject: RE: Orange Picker and Mandarin Road sidewalks

Hi Bob – Below is my scope and fees for the sidewalk projects.

Orange Picker Road :	Wetland Delineation	$2,000
	SJRWMD Pre-Application Meeting	$900
	ACOE Per-Application Meeting	$900
	SJRWMD General Permit Application	$2,500
	ACOE Nationwide Permit Application	$2,500
	Respond to RAI's	$3,000
	Project Coordination & Meetings	$2,000
		$13,800

Mandarin Road :	Wetland Delineation	$2,000
	SJRWMD Pre-Application Meeting	$900
	ACOE Per-Application Meeting	$900
	SJRWMD General Permit Application	$2,500
	ACOE Nationwide Permit Application	$2,500
	Respond to RAI's	$3,000
	Project Coordination & Meetings	$2,000
		$13,800

Let me know if you need anything else.

Gary

ENVIRONMENTAL SERVICES, INC.
Gary K. Howalt, PWS | Principal
7220 Financial Way, Suite 100 | Jacksonville, Florida 32256
904-470-2200 Phone | 904-470-2112 Fax

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EXHIBIT U-1

Meskel & Associates Engineering
Geotechnical • Environmental • Inspection • Testing

September 20, 2018

Mr. Robert E. Baxter, P.E.
GAI Consultants, Inc.
1301 Riverplace Blvd., Suite 900
Jacksonville, Florida 32207

Subject: ***Revised*** Proposal for Geotechnical Exploration and Engineering Services
Mandarin Road & Orange Picker Road Sidewalks
Jacksonville, Florida
MAE Proposal No. 009118.1
Contract No. P-07-17: Professional Design Services for Various Pedestrian Improvements

Dear Mr. Baxter:

MESKEL & ASSOCIATES ENGINEERING, PLLC (MAE) is pleased to present this proposal to provide the geotechnical exploration and engineering services for the subject project. This revised proposal was requested by you via electronic correspondence on September 20, 2018.

We were provided with information detailing the location of the project and the planned improvements. The project consists of designing a 5-foot wide concrete sidewalk along three sections on the east side of Mandarin Road between Red Cypress Drive and San Jose Boulevard (approximately 4,700 feet), and along the north side of Orange Picker Road from Mandarin Road to Brady Road (approximately 4,100 feet). Both roads have a typical section consisting of two 12-foot wide travel lanes. It appears that there are existing ditch swales and pipe culverts along both roads that may be replaced. Standing water is observed along Orange Picker Road at various locations. The project will be split into a scope for 60% and 100% plan submittals.

The objective of the geotechnical exploration is to provide site and subsurface information to evaluate the subsurface conditions along the proposed sidewalk alignment on Biscayne Road. Additionally, gravity walls and a culvert extension are planned. Therefore, our proposed field exploration is summarized in the table below.

Location	Description	No. of Test(s) & Type	Test Depth ft below ground surface
Mandarin Road - 60% Plans	Sidewalk – 2,845 LF	9 Auger	6
	Pipe Culverts	3 Standard Penetration Test (SPT)	15
Orange Picker Road - 60% Plans	Sidewalk – 1,935 LF	4 Auger	6
	Pipe Culverts	2 SPT	15
Mandarin Road - 100% Plans	Sidewalk – 1,350 LF	4 Auger	6
Orange Picker Road - 100% Plans	Sidewalk – 2,165 LF	6 Auger	6

The site appears to be easily accessible with our truck-mounted drilling equipment We will locate the borings using our hand-held GPS equipment. Therefore, it should be anticipated that the boring locations will be as near to the intended design feature/structure as possible. In accordance with Florida law, we will attempt to locate existing underground utilities at the site by utilizing the Sunshine State One-Call (SSOC) system. Any private utilities not included in the SSOC system will need to be located by the Owner. Once the SPT and auger borings are completed, they will be backfilled with soil cuttings.

We will take all reasonable precautions to prevent damage to property, and we will reasonably restore the site to the condition existing prior to the start of our fieldwork. The recovered soil samples will be described in the field by the field crew. The field logs and samples will be delivered to our laboratory, where the logs will be reviewed, and the samples will be classified, by a geotechnical engineer.

Laboratory classification and soil index property tests will be performed as necessary on selected soil samples to confirm the soil classification and provide engineering characteristics to estimate compressibility.

A geotechnical engineer, licensed in the State of Florida, will direct the geotechnical exploration and provide an engineering evaluation of the subsurface conditions encountered at the boring locations. The results of the exploration and engineering evaluation will be documented in a report that will include the following:

- Our understanding of the planned construction
- The observed site conditions, such as topography, surface vegetation, etc. as it relates to the anticipated construction
- The field and laboratory test procedures performed, and the results obtained
- The encountered subsurface conditions, including subsurface profiles, measured groundwater levels, and estimated geotechnical engineering properties, as necessary
- A geotechnical engineering evaluation of the subsurface conditions with respect to the proposed construction, and
- Recommendations for testing required during site preparation and earthwork construction

Based on the scope of the services outlined above, we propose to complete our work for the lump sum fees shown in the table below.

Scope of Services		Estimated Fee
Mandarin Road	60% Plans Submittal	$ 2,676.50
	100% Plans Submittal	$ 873.20
	TOTAL	**$ 3,549.70**
Orange Picker Road	60% Plans Submittal	$ 1,864.90
	100% Plans Submittal	$ 1,047.50
	TOTAL	**$ 2,912.40**

This fee includes submittal of an electronic copy of the report. We will contact you immediately if we encounter subsurface conditions that could require the borings to be advanced to deeper depths, and/or if additional engineering analysis outside the scope of this proposal is necessary.

Once authorization is received, a utility locate request will be submitted. We will mobilize our equipment to the site within one week once the utilities have been located and marked, which is typically 48 hours after the request is made. We anticipate the field work will take 2 to 3 days to complete. Verbal results can be provided within 2 to 3 days after completion of the field work. Laboratory testing will take up to one weeks to complete depending on the amount of lab testing assigned. We plan to submit our engineering report within 2 weeks following completion of the field exploration and laboratory testing programs.

We appreciate this opportunity to provide this proposal for your project. If you have any questions concerning this proposal, or if we can serve you in any other way, please contact me.

Sincerely,
MESKEL & ASSOCIATES ENGINEERING, LLC

Brett Harbison, P.E.
Director, Geotechnical Services

P. Rodney Mank, P.E.
Principal Engineer

Distribution: Mr. Robert E. Baxter, P.E. / GAI Consultants, Inc. One e-mail copy

PROPOSAL AUTHORIZATION
For Geotechnical Services
Mandarin Road & Orange Picker Road Sidewalks
Jacksonville, Florida
MAE Proposal No. 009118.1

Billing Information:

Company Name: _____

Attention: _____
Company
Address: _____

Phone No.: _____ Email: _____

Project Contact Name:
(if different than above) _____

Additional Reports: Please List Below Any Additional Parties To Receive Reports.

1. _____

_____

No. of Reports Required:_____

2. _____

_____

No. of Reports Required:_____

NOTE: Our fee includes submittal of an electronic copy for each report. If bound paper copies are requested, the client will be charged $50 for each additional copy.

MAE invoices should be received by you by the _____ of each month (date required for your processing)

The Client representative named below has read the General Conditions that are attached and made a part of this proposal, and agrees to be bound to the terms of the General Conditions.

Name: _____ Title: _____

Signature: _____ Date: _____

PROPOSAL DOCUMENT GENERAL CONDITIONS

Payment – Payment shall be due within 30 days after date of invoice.

Insurance – Meskel & Associates Engineering (MAE) maintains Commercial General Liability with limits of $1,000,000 – per occurrence, $2,000,000 general aggregate, $2,000,000 products and completed operations aggregate. A certificate of insurance can be provided at your request evidencing such coverage. All subcontractors to MAE maintain Workers' Compensation, Employer's Liability with limits of $1,000,000 bodily injury by accident – each accident, $1,000,000 bodily injury by disease – each employee, $1,000,000 bodily injury by disease – policy limit. Workers Compensation coverage is in accordance with the Workers Compensation Law for the State of Florida.

Professional Liability: MAE maintains Professional Liability with limits of $2,000,000 each claim and $3,000,000 aggregate. A certificate of insurance can be provided at your request evidencing such coverage.

Right-of-Entry – Unless otherwise agreed, Client will furnish right-of-entry on the property for MAE to make the planned borings, surveys, and/or exploration. MAE will take reasonable precautions to minimize damage to the property caused by its equipment and sampling procedures, but the cost of restoration or damage which may result from the planned operations is not included in the contracted amount.

Legal Jurisdiction – The parties agree that any actions brought to enforce any provision of this Agreement shall only be brought in a court of competent jurisdiction located in Jacksonville, Duval County, Florida.

Damage to Existing Man-made Objects – It shall be the responsibility of the Owner or his duly authorized representative to disclose the presence and accurate location of all hidden or obscure man-made objects relative to field tests, sampling, or boring locations. When cautioned, advised or given data in writing that reveal the presence or potential presence of underground or overhead obstructions, such as utilities, MAE will give special instructions to its field personnel. As evidenced by your acceptance of this proposal, Client agrees to indemnify and save harmless MAE from all claims, suits, losses, personal injuries, death and property liability resulting from unusual subsurface conditions or damages to subsurface structures, owned by Client or third parties, occurring in the performance of the proposed work, whose presence and exact locations were not revealed to MAE in writing, and to reimburse MAE for expenses in connection with any such claims or suits, including reasonable attorney's fees.

Limitation of Responsibility – Client hereby agrees to the fullest extent permitted by law the Consultant's total liability to Client for any and all injuries, claims, losses, expenses or damages whatsoever arising out of or in any way relating to the project, the site, or this Agreement from any cause or causes including but not limited to the Consultant's negligence, errors, omissions, strict liability, breach of contract, or breach of warranty shall not exceed the greater of the total amount paid by the Client for the services of the Consultant under this contract or $50,000.00, whichever is greater.

Client and the Consultant agree that to the fullest extent permitted by law the Consultant shall not be liable to Client for any special, indirect or consequential damages whatsoever, whether caused by the Consultant's negligence, errors, omissions, strict liability, breach of contract, breach of warranty or other cause or causes whatsoever.

To the fullest extent permitted by law, Client agrees to defend, indemnify, and hold Consultant, its agents, subcontractors, and employees harmless from and against any and all claims, defense costs, including attorneys' fees, damages, and other liabilities arising out of or in any way related to Consultant's reports or recommendations concerning this Agreement, Consultant's presence on the project property, or the presence, release, or threatened release of asbestos, hazardous substances, or pollutants on or from the project property; **provided that** Client shall not indemnify Consultant against liability for damages to the extent caused by the negligence or intentional misconduct of Consultant, its agents, subcontractors, or employees.

Use of Documents – All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant are related exclusively to the services described in this Agreement, and may be used only if the Client has satisfied all of its obligations under this Agreement. They are not intended or represented to be suitable for use, partial use or reuse by the Client or others on extensions of this project or on any other project. Any modifications made by the Client to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the Client's sole risk and without liability to the Consultant, and the Client shall indemnify, defend and hold the Consultant harmless from all claims, damages, losses and expenses, including but not limited to attorneys' fees, resulting therefrom. The Consultant's electronic files and source code developed in the development of application code remain the property of the Consultant and shall be provided to the Client only if expressly provided for in this Agreement. Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by the Consultant, the hardcopy shall govern. Because data stored in electronic media format can deteriorate or be modified without the Consultant's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

PURSUANT TO FLORIDA STATUTES SECTION 558.0035 (2013) AN INDIVIDUAL EMPLOYEE OR AGENT OF MAE MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

Sampling or Testing Location – Unless specifically stated to the contrary, the fees included in this proposal do not include costs associated with professional land surveying of the site or the accurate horizontal and vertical locations of tests. Field tests or boring locations described in our report or shown on our sketches are based on specific information furnished to us by others or estimates made in the field by our technicians. Such dimensions, depths or elevations should be considered as approximations unless otherwise stated in the report.

Sample Handling and Retention – Generally test samples or specimens are consumed and/or substantially altered during the conduct of tests and MAE, at its sole discretion, will dispose (subject to the following) of any remaining residue immediately upon completion of test unless required in writing by the Client to store or otherwise handle the samples. (a) NON HAZARDOUS SAMPLES: At Client's written request, MAE will store test samples and specimens, or the residue thereof for ninety (90) days after submission of MAE's report to Client free of storage charges. After the initial 90 days and upon written request, MAE will store test specimens or samples for a mutually acceptable storage charge and period of time. (b) HAZARDOUS OR POTENTIALLY HAZARDOUS SAMPLES: In the event that samples contain substances or constituents hazardous or detrimental to human health, safety or the environment as defined by federal, state or local statutes, regulations, or ordinances ("Hazardous Substances" and "Hazardous Constituents", respectively), MAE will, after completion of testing and at Client's expense: (i) return such samples to Client; (ii) using a manifest signed by Client as generator, will have such samples transported to a location selected by Client for final disposal. Client agrees to pay all costs associated with the storage, transport, and disposal of such samples. Client recognizes and agrees that MAE is acting as a Bailee and at no time does MAE assume title of said waste.

Discovery of Unanticipated Hazardous Materials – Hazardous materials or certain types of hazardous materials may exist at a site where there is no reason to believe they could or should be present. MAE and Client agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. MAE and Client also agree that the discovery of unanticipated hazardous materials may make it necessary for MAE to take immediate measures to protect health and safety. MAE agrees to notify Client as soon as practicable should unanticipated hazardous materials or suspected hazardous materials be encountered. Client encourages MAE to take any and all measures that, in MAE's professional opinion, are justified to preserve and protect the health and safety of MAE's personnel and the public. Client agrees to compensate MAE for the additional cost of working to protect employees' and the public's health and safety. In addition, Client waives any claim against MAE, and agrees to defend, indemnify and save MAE harmless from any claim or liability for injury or loss arising from MAE's discovery of unanticipated hazardous materials or suspected hazardous materials. Client also agrees to compensate MAE for any time spent and expenses incurred by MAE in defense of any such claim, with such compensation to be based upon MAE's prevailing fee schedule and expense reimbursement policy relative to recovery of direct project costs.

Force Majeure – MAE shall not be held responsible for any delay or failure in performance of any part of this Agreement to the extent such delay or failure is caused by fire, flood, explosion, war, strike, embargo, government requirement, civil or military authority, acts of God, act or omission of subcontractors, carriers, client or other similar causes beyond its control.

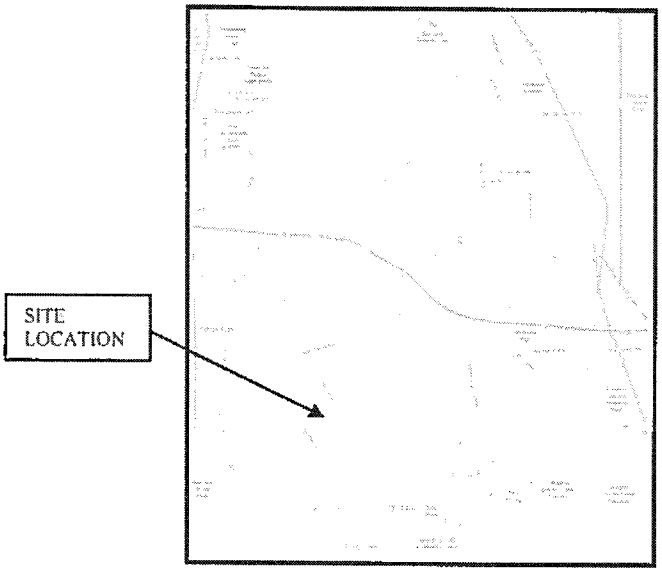
EXHIBIT U-1

REQUEST FOR PROPOSALS

FOR

DESIGN & CONSTRUCTION OF

MANDARIN ROAD AND ORANGE PICKER ROAD SIDEWALKS



DESIGN – BUILD CONSTRUCTION DELIVERY METHOD

CITY / COUNTY WIDE CONSTRUCTION IMPROVEMENT PROJECTS

RFQ-CDB-0006-16

DESIGN CRITERIA PACKAGE

PROCUREMENT DIVISION

DEPARTMENT OF PUBLIC WORKS
RELEASE DATE: October 3, 2018

PREPARED BY ENGINEERING & CONSTRUCTION MANAGEMENT DIVISION

CITY OF JACKSONVILLE, FLORIDA

MANDARIN ROAD AND ORANGE PICKER ROAD SIDEWALKS

RFQ-CDB–0006-16

RELEASE DATE – October 3, 2018

1. **INTRODUCTION:**

This Design Criteria Package (DCP) specifies performance-based criteria for the design and construction of new sidewalks along Mandarin Road and Orange Picker Road in the City of Jacksonville. The extent of the construction shall follow the Preliminary Plans included in the Appendices attached to this document. The purpose of this DCP is to furnish sufficient information to allow a Design Build Firm to prepare a response to the City's request for proposal (RFP) and to permit the City to enter into scope and fees negotiations for an amendment to design build City Contract No. 6533-54.

2. **General**

The Design Build Firm is responsible for design, permitting, and construction of the project as described in this document. The Design Build Firm shall prepare and submit a Fee Proposal for the 100% design and construction within twenty one (21) calendar days from the release date of the DCP. **Therefore, the Fee Proposal shall be submitted no later than 5:00 P.M. on October 24, 2018 to Michael Derbaum, P.E., at 214 N. Hogan Street, Ed Ball Building, 10th Floor, Jacksonville, Florida 32202.**

The Design Build Firm shall request a meeting (if needed) to discuss items pertaining to the proposed work within one week of the DCP issuance date. This meeting can be held on site if necessary. The Fee Proposal must include the proposed schedule for the tasks being performed up to and including final completion of the construction of the proposed sidewalks.

The provisions of the DCP represent the technical, material, and quality requirements for the foregoing project. The Design Build Firm is bound by these requirements for the duration of the project.

With the Fee Proposal J.B. Coxwell Contracting, Inc. shall provide the Guaranteed Maximum Price (GMP) and the Guaranteed Completion Date (GCD) for the 100% design as well as the construction of the project.

The Design Criteria Professional (Michael Derbaum, P.E.) may amend the provisions of the Design Criteria Package after it has been released to the Design Build Firm, but before the expiration of the 21-day period designated for submittal of the Fee Proposal.

3. **SCOPE OF WORK:**

The Design Build Firm shall deliver their Fee Proposal for 100% design of the proposed sidewalk construction based on this DCP. The resulting plans and specifications shall include all the information needed for the Design Build Firm to move forward with the permitting and construction of the project.

The work associated with this project includes:

- The DBF shall become familiar with all existing utilities that may be in conflict with the proposed work. The DBF shall also include any utility accommodations required to perform the repairs in the submitted cost and design.
- The DBF shall review City provided documents and reports and request additional information as necessary.
- The DBF shall apply for, and pursue to approval, all permits and reviews that will be required for the full and final construction of the proposed sidewalks.
- As shown on the Preliminary Plans in the Appendices, this project includes:
  - New sidewalk to be installed on Mandarin Road from San Jose Boulevard to Ingle Lane and from Orange Picker Road to Red Cypress Drive. Sidewalk is to be installed on Orange Picker Road from Mandarin Road to Brady Road. The total length of the project is roughly 8,600 LF.
  - The majority of the sidewalk is to be 4". The portions of the sidewalk across driveways, as well as all driveway construction, is to be 5" thick concrete.
  - The project also contains drainage improvements, including constructing new ditches, inlets and piping.
- There are minor issues on the Preliminary Plans that will have to be addressed by the DBF, including:
  - A Tree Mitigation Table/Plan will be required.
  - The Preliminary Plans show the concrete driveways to be 6" thick. These are only required to be 5" thick, per City Standards.
- All other work required to complete the project in accordance with the DCP.

The Design Build Firm shall be responsible to comply with all current City standards.

4. PERMITS:

The DBF is responsible for applying for and obtaining all required permits from the City and various agencies to perform the work associated with completion of this project per the RFQ CDB-0006-16. The Design Criteria Professional is to be provided with the 100% Design plans for review and approval before they are submitted for permits.

The DBF shall apply on behalf of the City, pay required application and permit fees and secure all approvals and permits from the City and other regulatory agencies as required by law. Specifically, permits and approvals may be required from, but not limited to, the St. Johns River Water Management District, the Florida Department of Environmental Protection, US Army Corps of Engineers, the City's 10-set review and any others as may be required for this project. The City will be given digital copies of the permit application documents and comment responses for all permits applied for. In addition, the DBF shall coordinate with all applicable utility companies as required and pay all applicable fees.

The DBF shall provide the Design Criteria Professional all reports, plans and specifications at the completion of the 100% Design Documents. This shall include all drawings, specifications, engineering calculations and any other documentation related to the 100% Design.

The DBF shall provide the Design Criteria Professional with five (5) sets of signed and sealed final plans, specifications, and engineering calculations prior to the Preconstruction Conference and the issuance of the Notice to Proceed. In addition, at the same time the DBF shall provide the Design Criteria Professional with the final documents consisting of two (2) copies of CDs

with the electronic version of all contract documents: drawings (PDFs and AutoCAD format files), specifications (PDFs), engineering calculations (PDFs), permits and approvals (PDFs), and as-built drawings (PDFs and AutoCAD format files).

END OF THE DESIGN CRITERIA PACKAGE

EXHIBIT U-1

LIST OF APPENDICES

Appendix A	Mandarin Road Sidewalks Design Report
Appendix B	Orange Picker Road Sidewalks Design Report

EXHIBIT U-1

Appendix A

Mandarin Road Sidewalks Design Report

EXHIBIT U-1

CITY OF JACKSONVILLE

PUBLIC WORKS

ENGINEERING DIVISION

TECHNICAL MEMORANDUM

FOR

MANDARIN ROAD SIDEWALK
FROM SAN JOSE BOULEVARD TO INGLE LANE,
AND FROM ORANGE PICKER ROAD TO RED CYPRESS DRIVE

PREPARED BY

HANSON
Engineering | Planning | Allied Services

HANSON PROFESSIONAL SERVICES INC.

JULY 2018

EXHIBIT U-1

TECHNICAL MEMORANDUM
JULY 2018

MANDARIN ROAD SIDEWALK

CITY OF JACKSONVILLE, FLORIDA

I. PROJECT DESCRIPTION

The project being considered is the design and construction of 5 feet wide, concrete sidewalk within the existing right-of-way of Mandarin Road, City of Jacksonville in Duval County, FL.

II. PROJECT LOCATION

The proposed sidewalk is to be constructed on the east side of Mandarin Road, from San Jose Boulevard to Ingle Lane (hereinafter referred to as "segment 1"), and from Orange Picker Road to Red Cypress Drive (hereinafter referred to as "segment 2"). The estimated length of the proposed sidewalk is 4,335 L.F. See attached location map included in Appendix A.

III. BACKGROUND INFORMATION

The project was recommended and requested by the City of Jacksonville in order to provide safe pedestrian access along Mandarin Road. Segment 1 is a primarily commercial zone with a few residential driveways connected to the road. Segment 2 is a residential zone. Both segments have moderate pedestrian traffic.

For segment 1, 700 L.F. of conventional right- of-way and topographic survey (east side) was completed, starting at parcel #12708. The additional 394 L.F. of proposed sidewalk was conceptually designed based on aerial photo and field review conditions. For segment 2, 2,910 L.F. of conventional right- of-way and topographic survey (east side) was completed, starting at Orange Picker Road. The additional 459 L.F. of proposed sidewalk was conceptually designed based on aerial photo and field review conditions.

IV. DESIGN CRITERIA

The proposed sidewalk shall be designed and constructed in accordance with the City of Jacksonville Land Development Procedure Manual, and applicable City Standard Specifications and Details. Proposed cross slope, longitudinal slope and overall conditions shall be constructed in accordance with the Americans with Disability Act (A.D.A).

V. FIELD OBSERVATION RIGHT-OF-WAY CONDITIONS

Mandarin Road is a rural two-lane roadway within a right-of-way width of approximately 66 feet (segment 1) and has a posted speed of 30 MPH. Field review was performed to identify relevant aspects of the project and to evaluate the actual proposed sidewalk location. There are many intersecting driveways to be crossed in the path of the proposed sidewalk, conditions of the intersecting driveways varies from poor asphalt to concrete for segment 1, and dirt, brick pavers.

gravel, concrete, and asphalt for segment 2. Existing driveways within the survey limits were evaluated to confirm that the cross slope will not exceed 0.02. The existing driveways outside the survey limits will need to be field verified. The proposed sidewalk will connect to an existing sidewalk at the intersections of Orange Picker Road, San Jose Boulevard, and Long Cypress Trail.

VI. PROPOSED SIDEWALK CONCEPT

It is recommended that the proposed 5 foot wide sidewalk be located 13.5 to 1 feet off the east right-of-way line for as much of the project length as possible for segment 1, and 16.3 to 2 feet off for segment 2. Where it is necessary to avoid existing cross/side drain pipes, and steep roadside swales, the proposed sidewalk can be located closer to the paved roadway with a 3.5' feet minimum separation. From station 103+60 to station 108+30, the existing ditch will need to be filled and piped to accommodate the sidewalk within existing right of way. The proposed sidewalk shall avoid the existing 4" F.M. Several driveways and associated side drains will need to be replaced to align with the new ditch locations. Please refer to the Conceptual plans included in Appendix B.

VII. DRAINAGE/ENVIRONMENTAL PERMIT REQUIREMENTS

This project lies within the St. Johns River Water Management District. During the construction of the proposed sidewalk, the existing drainage patterns shall be maintained. On-site jurisdictional wetlands were identified by an environmental specialist, the existing wetland limits were flagged and surveyed. Due to the proposed sidewalk construction, 0.04 acres of wetlands will be impacted. USACE and SJRWMD mitigation may not be necessary. However, if wetlands are considered "isolated" by SJRWMD, and impacts result in a remaining wetland area less than 0.5 acre in total size, then we may have to mitigate for the whole wetland.

VIII. TREE PERMIT/MITIGATION REQUIREMENTS

Tree mitigation equivalents of approximately 450 inches are anticipated based on the conceptual layout of the sidewalk. A Tree Removal Permit will be required and the associated mitigation cost has been reflected in the Opinion of Probable Cost at a unit price of $155 per inch.

IX. UTILITY REQUIREMENTS

A design ticket was requested from 811 Call Sunshine to identify the above and underground utilities along the corridor. The existing utility owners include but are not limited to the following:

Comcast Cable Communications, INC.
Jacksonville Electric Authority (Water, Sewer, Electrical)
AT&T Distribution
Uniti Fiber

Existing overhead distribution lines and poles are located adjacent to the proposed path. However, the proposed sidewalk shall avoid the existing poles. Utility relocations are not anticipated in the project. Preliminary utility evaluation indicated that the extension of the cross drain at station 103+65 will not impact utilities. For additional information, please refer to the design tickets included in Appendix C.

APPENDIX B
CONCEPTUAL PLANS

EXHIBIT U-1

MANDARIN ROAD SIDEWALK
SAN JOSE BLVD TO INGLE LANE (SEGMENT 1)
ORANGE PICKER RD TO RED CYPRESS DR (SEGMENT 2)

JACKSONVILLE, FLORIDA

CITY OF JACKSONVILLE NOTES

GENERAL

All construction shall be performed in accordance with the approved plans and comply with all standard city policies and practices. City approval is contingent upon any required state or federal permit approvals such as those from the Department of Environmental Protection or the St. Johns River Water Management District (SJRWMD).

UTILITY WORK

Plan approval through Development Services does not include utilities. Proposed water, sewer or electric construction must be approved separately through the respective utility company. In most cases, this will be:

JEA
[illegible]
[illegible]
[illegible]

WORK WITHIN THE RIGHT-OF-WAY

CITY. Except for mere subdivision infrastructure construction, all work performed within a City of Jacksonville right-of-way or easement requires a Right-of-way Permit. The contractor performing the proposed work must have a current Right-of-way Bond on file with Development Services. Right of way Permit applications are processed at:

[illegible]
[illegible]
[illegible]
[illegible]

STATE. All work performed within a state right of way requires a permit from the Florida Department of Transportation (FDOT). It is the developer's responsibility to obtain required FDOT permits or maintenance of traffic approvals for work within FDOT right-of-ways. The FDOT regional office can be contacted at (904) 360-5300. Any changes to the approved plans needed for FDOT approval must be submitted to Development Services as revisions.

Adjacent State Roads: _____

RAILROAD. Railroad companies may require special agreements or permits to work within their right of ways. It is the engineer's responsibility to obtain permission from any railroad right of way owner before performing any work within their right of way.

STORMWATER

Activities requiring to compliance with the SJRWMD permitting permits are required from the maintenance entity of all stormwater management facilities. Send copies of the reports to:

[illegible]
[illegible]
[illegible]
[illegible]

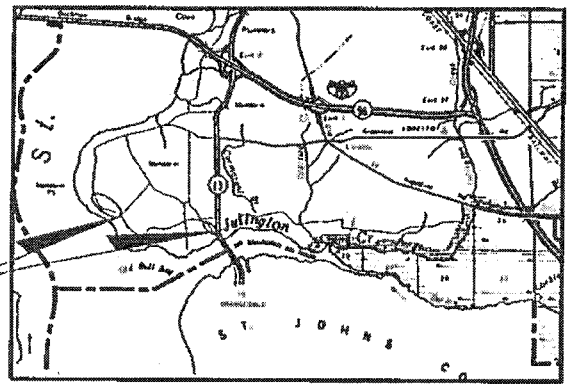
The permit of any project one (1) acre or larger is required to provide a Notice of Intent (NOI) in accordance with criteria set forth in the city's NPDES permit within 48 hours of beginning construction. Send NOI and NOT fee to:

[illegible]
[illegible]
[illegible]
[illegible]

The contractor shall contact the Environmental Quality Division, Erosion and Sedimentation Control Section (ESC) to provide verification that applicable stormwater permits have been obtained and to schedule a pre-construction ESC site inspection.

[illegible]
[illegible]
[illegible]
[illegible]

CONCEPTUAL PLANS



VICINITY MAP
NTS

PREPARED FOR:
DIVISION OF ENGINEERING AND
CONSTRUCTION MANAGEMENT
DEPARTMENT OF PUBLIC WORKS

LENNY CURRY
MAYOR

JOHN PAPPAS, P.E.
DIRECTOR OF PUBLIC WORKS

WILLIAM J. JOYCE, JR; P.E.
PUBLIC WORKS OPERATIONS DIRECTOR

INDEX OF DRAWINGS

TITLE	SHEET NO.
KEY SHEET	1
TYPICAL SECTIONS	2-3
SITE PLAN	4-13

FIRE MARSHALL

Plan review and approval does not relieve the contractor of complying with all applicable State Fire Codes.

Underground mains and hydrants shall be installed, completed, and in service prior to construction work.

Underground contractor shall submit to the Fire Marshal for approval complete specs for all underground pipe and fittings relating to the protection PRIOR to installation and inspection. Contractor shall include manufacturer's name and size ID along with contractor's name number supplier.

LANDSCAPE

A Site Work Permit is required for this project

☐ Tree Fund payment is due _____ inches at $ _____ = $ _____

☐ Article 25 funds are due _____ inches at $ _____ = $ _____

TRAFFIC ENGINEERING

TRAFFIC SIGNS

Mast Name (each) _____

Standard (each) _____

Stop/Yield (each) _____

Orange (per pair) 1 per post

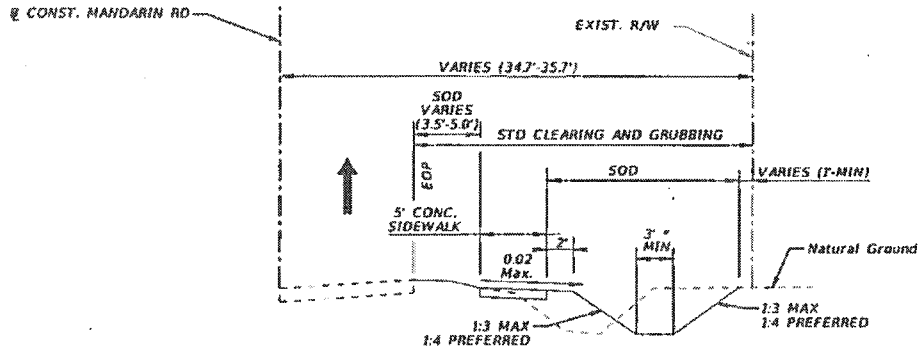
Installation (per hour) 1 per 2 signs (minimum cost)

_____ Stop signs Required

NOTE: Traffic sign costs change from time to time. Consult Appendix B of the Land Development Procedures Manual (http://jaxpin.jacksonville.com/) for the current values before paying for any sign installations.

No lane closures allowed from 7 a.m. till 9 a.m. and from 4 p.m. till 6 p.m.

EXHIBIT U-1



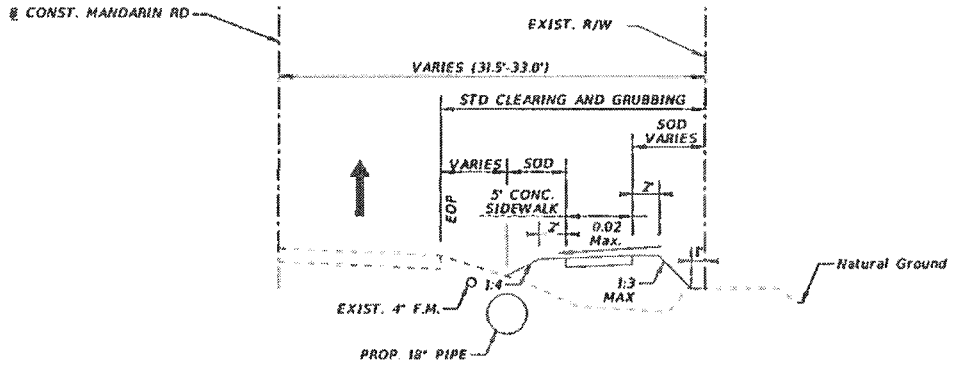
* WHERE APPLICABLE FOR PROPOSED DITCH LOCATIONS.

TYPICAL SECTION NO. 1

MANDARIN RD

STA 99+05 TO 103+80 SEGMENT 1

STA. 10+67 TO STA. 17+00 SEGMENT 2



TYPICAL SECTION NO. 2

SEGMENT 1

MANDARIN RD

STA. 103+80 TO STA. 108+72

DATE	REVISION INSPECTOR	DATE	DESCRIPTION

DESIGNED	JC	06/11/2018
DRAWN	IK	06/11/2018
REVIEWED	BSM	07/03/2018

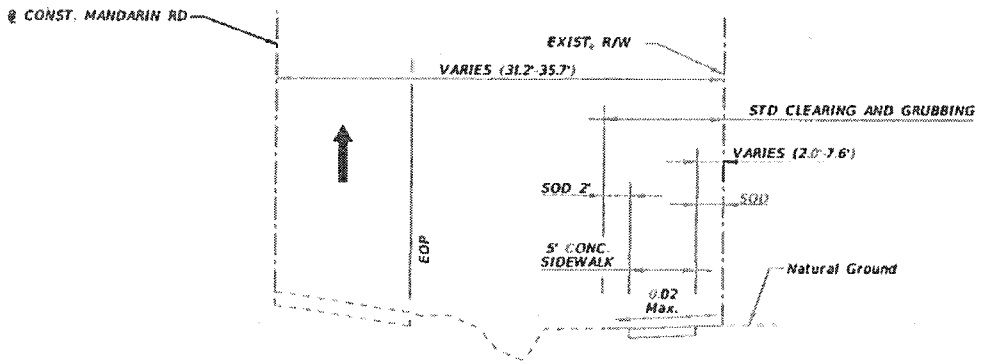
HANSON

CITY OF JACKSONVILLE
DIVISION OF ENGINEERING AND CONSTRUCTION MANAGEMENT
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS

SHEET NO. 2

EXHIBIT U-1



TYPICAL SECTION NO. 3

SEGMENT 2

MANDARIN RD

STA. 17+00 TO STA. 44+36

REVISIONS			
#	DESCRIPTION	DATE	DESCRIPTION

DESIGNED	JC	06/11/2018
DRAWN	IK	06/11/2018
REVIEWED	BSM	07/03/2018

HANSON

CITY OF JACKSONVILLE
DIVISION OF ENGINEERING AND
CONSTRUCTION MANAGEMENT
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS

SHEET NO. 3

EXHIBIT U-1

PI STA. = 99+37.87
Δ = 48° 15' 04" (RT.)
D = 97° 06' 41"
T = 26.42
L = 49.69
R = 59.00
PC STA. = 99+11.25
PT STA. = 99+60.93

BEGIN SEGMENT 1
STA. 99+05.81

0 10 40
Feet

PI STA. 99+37.87
N 36° 42' 36" W
PC STA. 99+11.25
PT STA. 99+60.93
N 84° 58' 52" W
S 71° 58' 54" E
APPROXIMATE EXIST. EOP
MATCH EXIST. SIDEWALK
APPROXIMATE EXIST. R/W
CONST. 5' CONC. SW
100
101
102
103
103+60.00
8" CONST. MANDARIN ROAD
EXIST. EOP
EXIST. R/W
5/8" REBAR NO. 10
5/8" REBAR CLIFF VIRAN
CONC.
48" RCP
4" PVC FM-EA
DRIVEWAY 6" THICK
5/8" REBAR NO
MANDARIN ROAD
EXIST. R/W
CONST. MH
CONST. 18" RCP AND 18" MES
SEW TOP=8.35 INV=6.35
SEW TOP=8.84 INV=8.29
5' WIDE - LOCATED IN CENTER
4" METAL
OWTBM
5' WIDE - LOCATED IN CENTER
SAN JOSE BOULEVARD (SR-13)

LEGEND

CONCRETE SIDEWALK

REVISIONS			

DESIGNED	JC	06/11/2018
DRAWN	IK	06/11/2018
REVIEWED	BSM	07/03/2018

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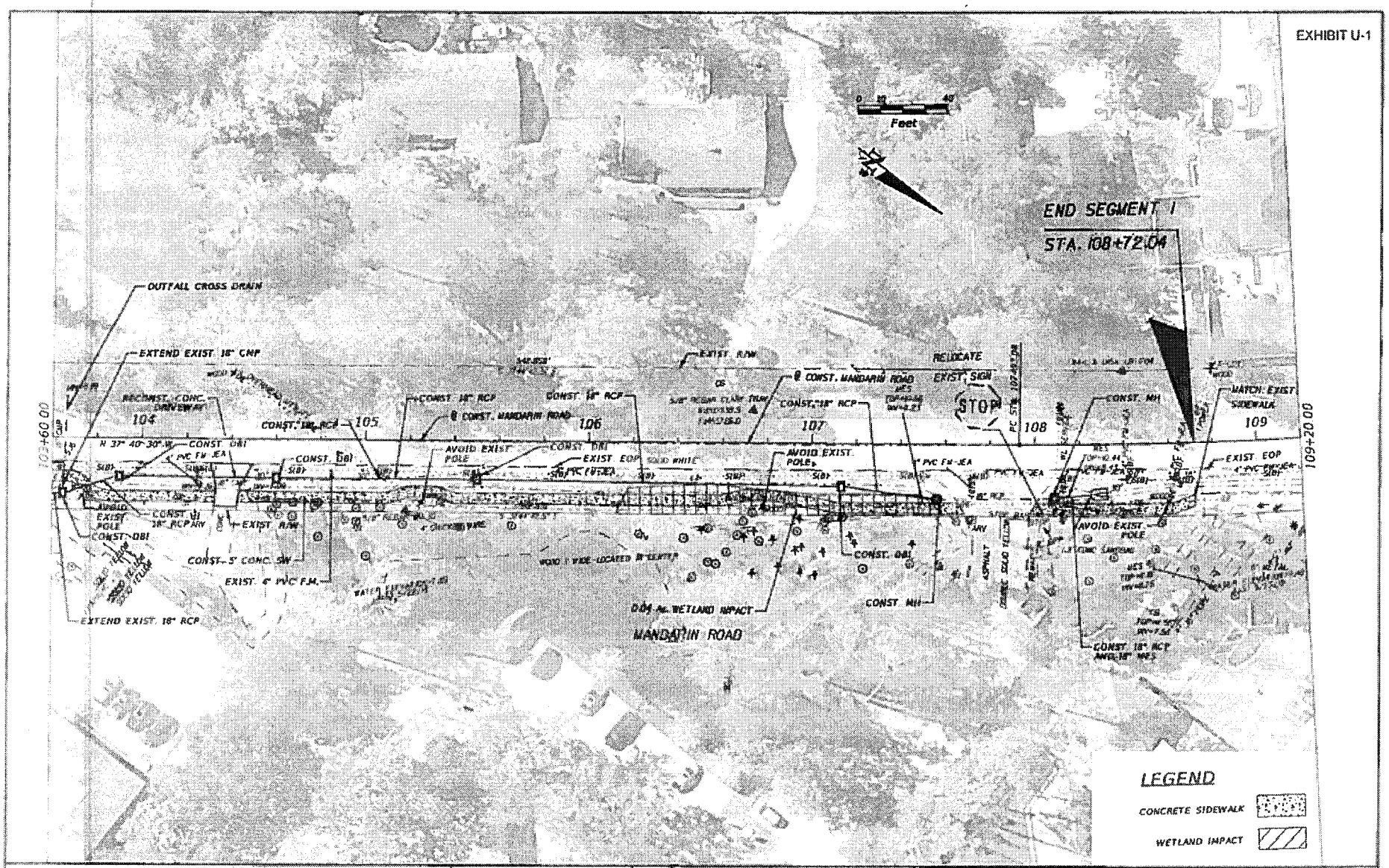
CITY OF JACKSONVILLE
DIVISION OF ENGINEERING AND CONSTRUCTION MANAGEMENT
DEPARTMENT OF PUBLIC WORKS

PLAN VIEW

SHEET NO. 4

EXHIBIT U-1



			DESIGNED	JC	06/11/2018	
			DRAWN	IK	06/11/2018	
			REVIEWED	BSM	07/03/2018	

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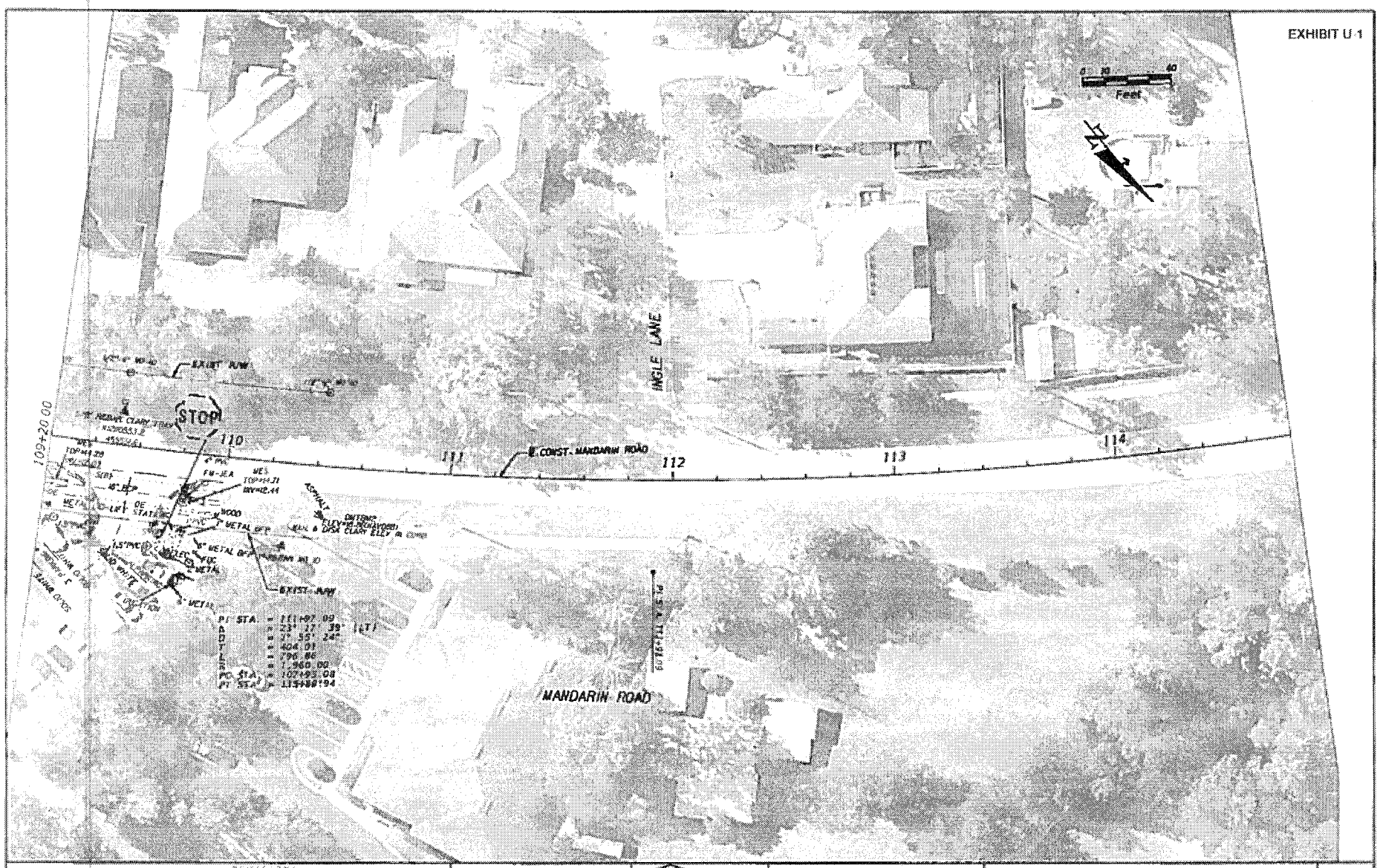
DIVISION OF ENGINEERING AND CONSTRUCTION MANAGEMENT
DEPARTMENT OF PUBLIC WORKS

PLAN VIEW

SHEET NO. 5

EXHIBIT U-1



DESIGNED	JC	06/11/2018
DRAWN	IK	06/11/2018
REVIEWED	BSM	07/03/2018

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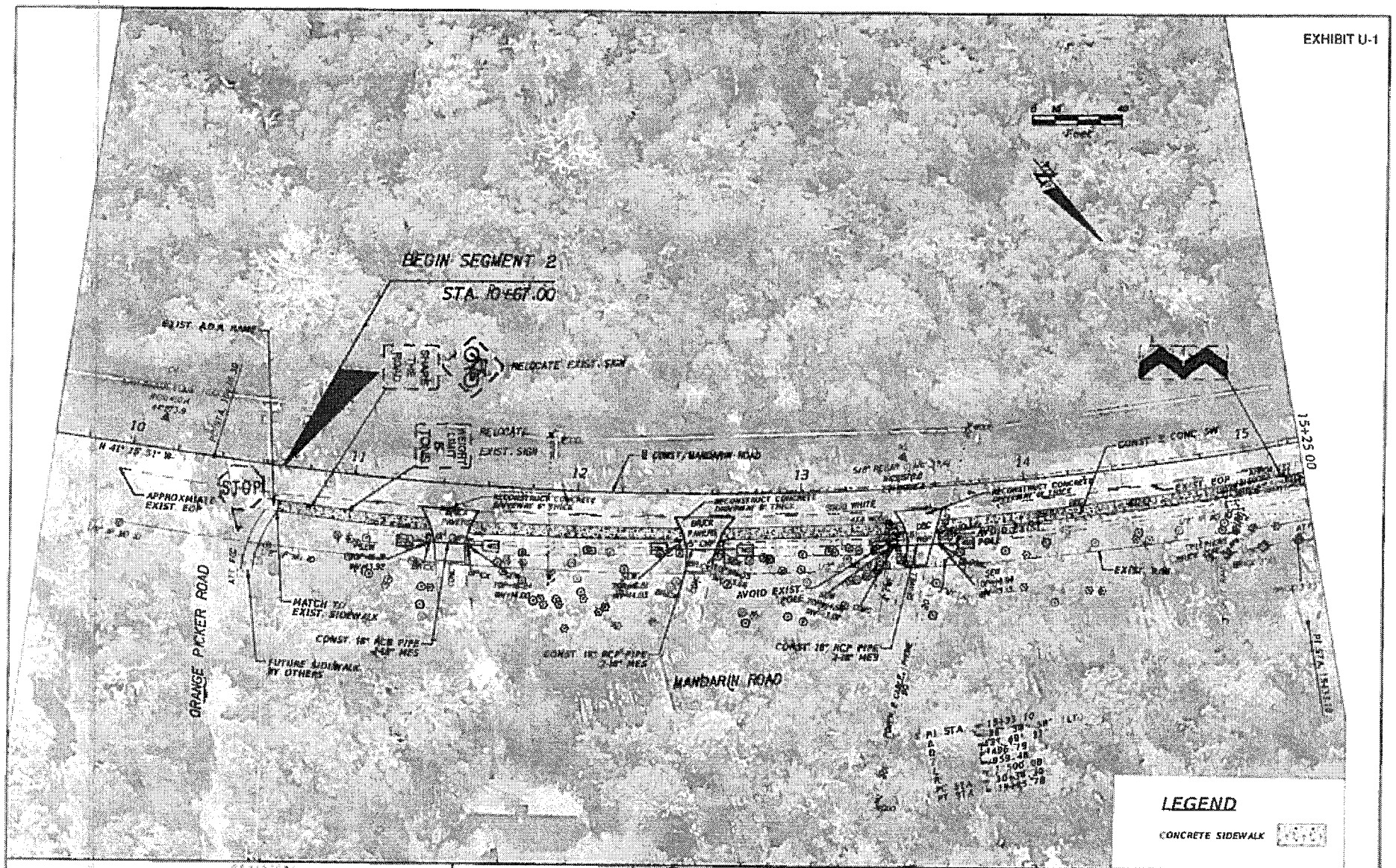
PLAN VIEW

SHEET NO. 6

EXHIBIT U-1



DESIGNED	JC	06/11/2018
DRAWN	IK	06/11/2018
REVIEWED	BSM	07/03/2018

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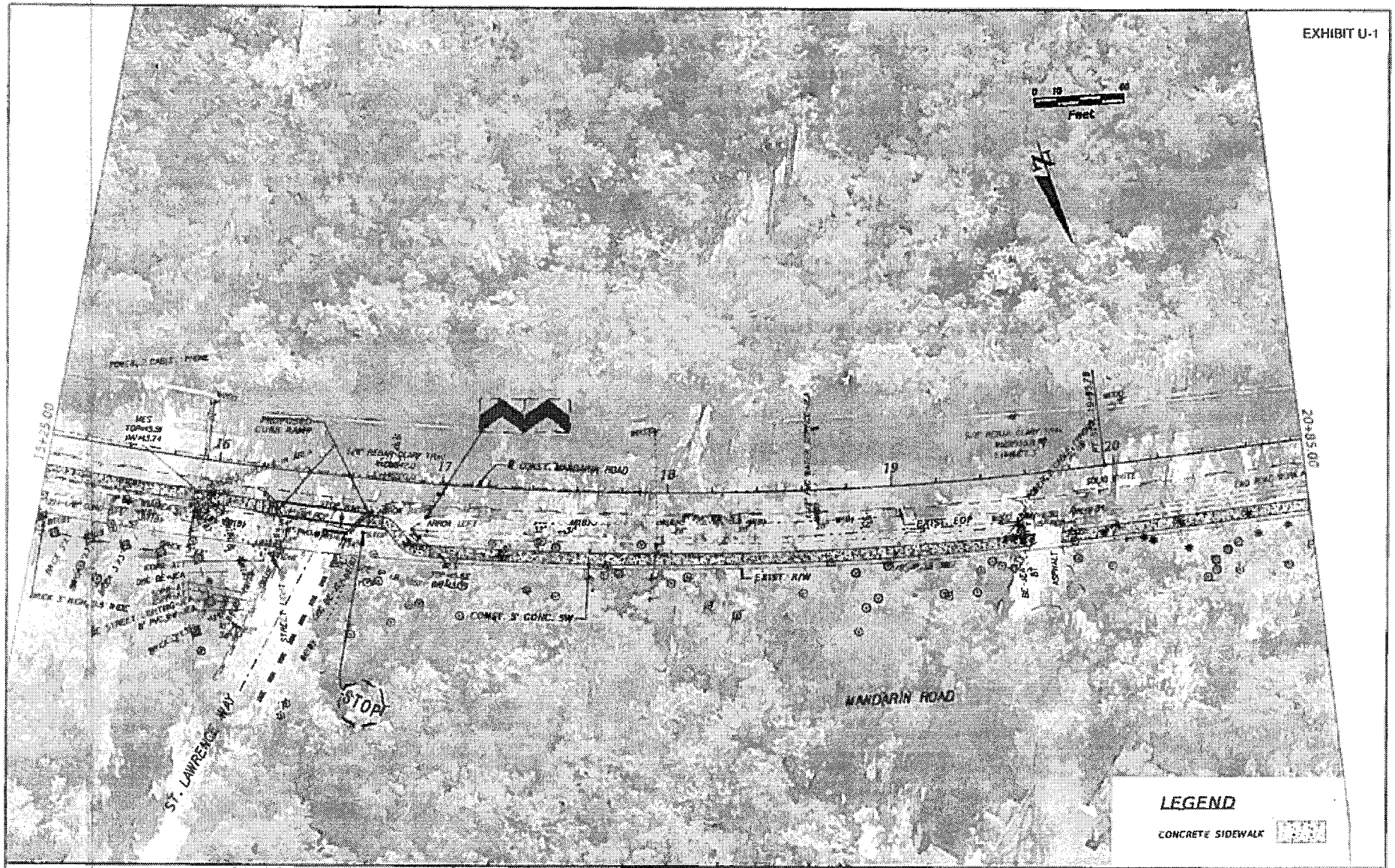
PLAN VIEW

SHEET NO. 7

EXHIBIT U-1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DESIGNED	JC	06/11/2018
DRAWN	IK	06/11/2018
REVIEWED	BSM	07/03/2018

HANSON

Hanson Professional Services Inc.
4775 Atlantic Boulevard, Suite 204
Jacksonville, Florida 32207-2188
Office Responsible
Engineer of Record

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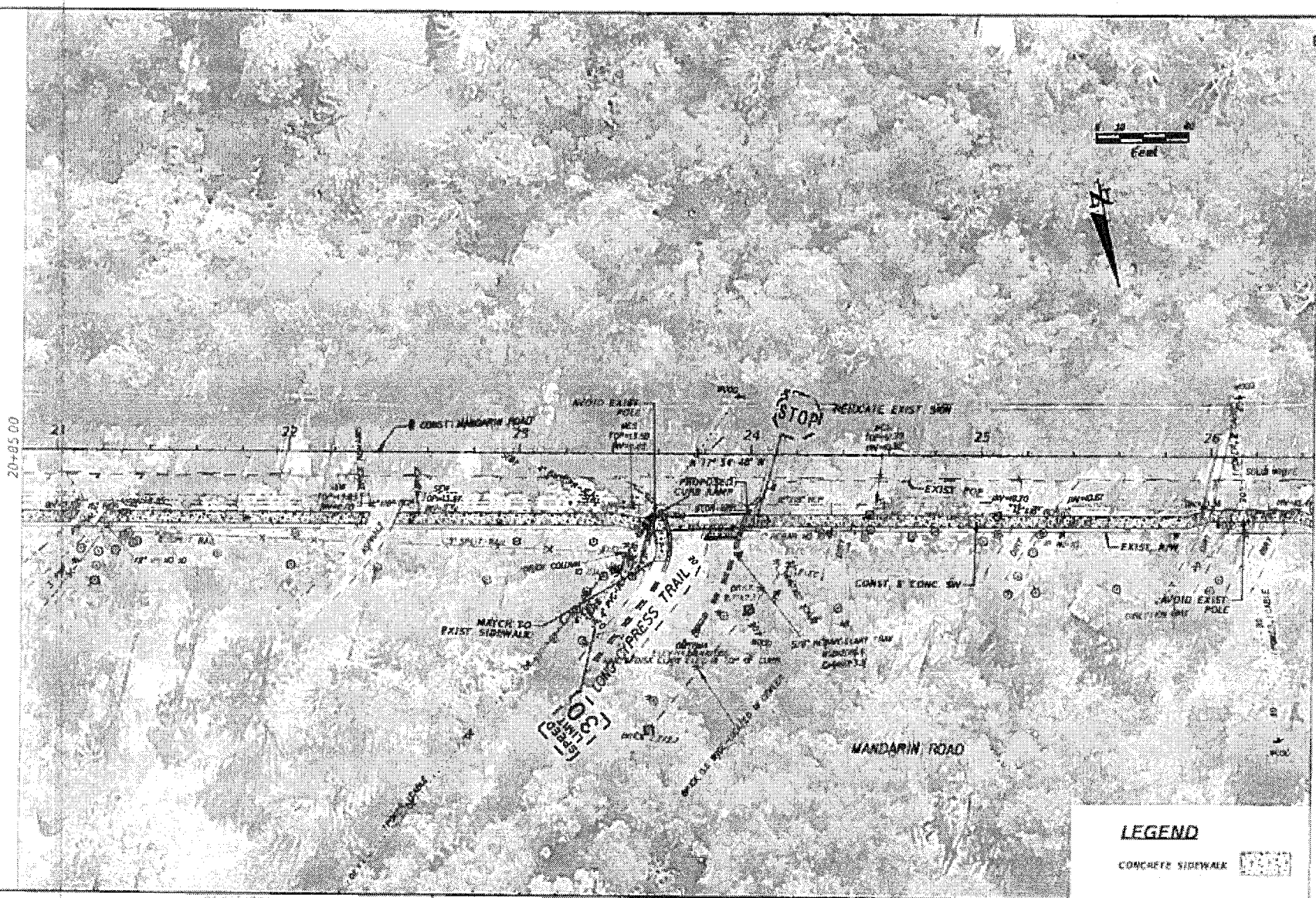
DEPARTMENT OF PUBLIC WORKS

PLAN VIEW

SHEET NO. 8

EXHIBIT U-1



DESIGNED	JC	06/11/2018
DRAWN	IK	06/11/2018
REVIEWED	BSM	07/03/2018

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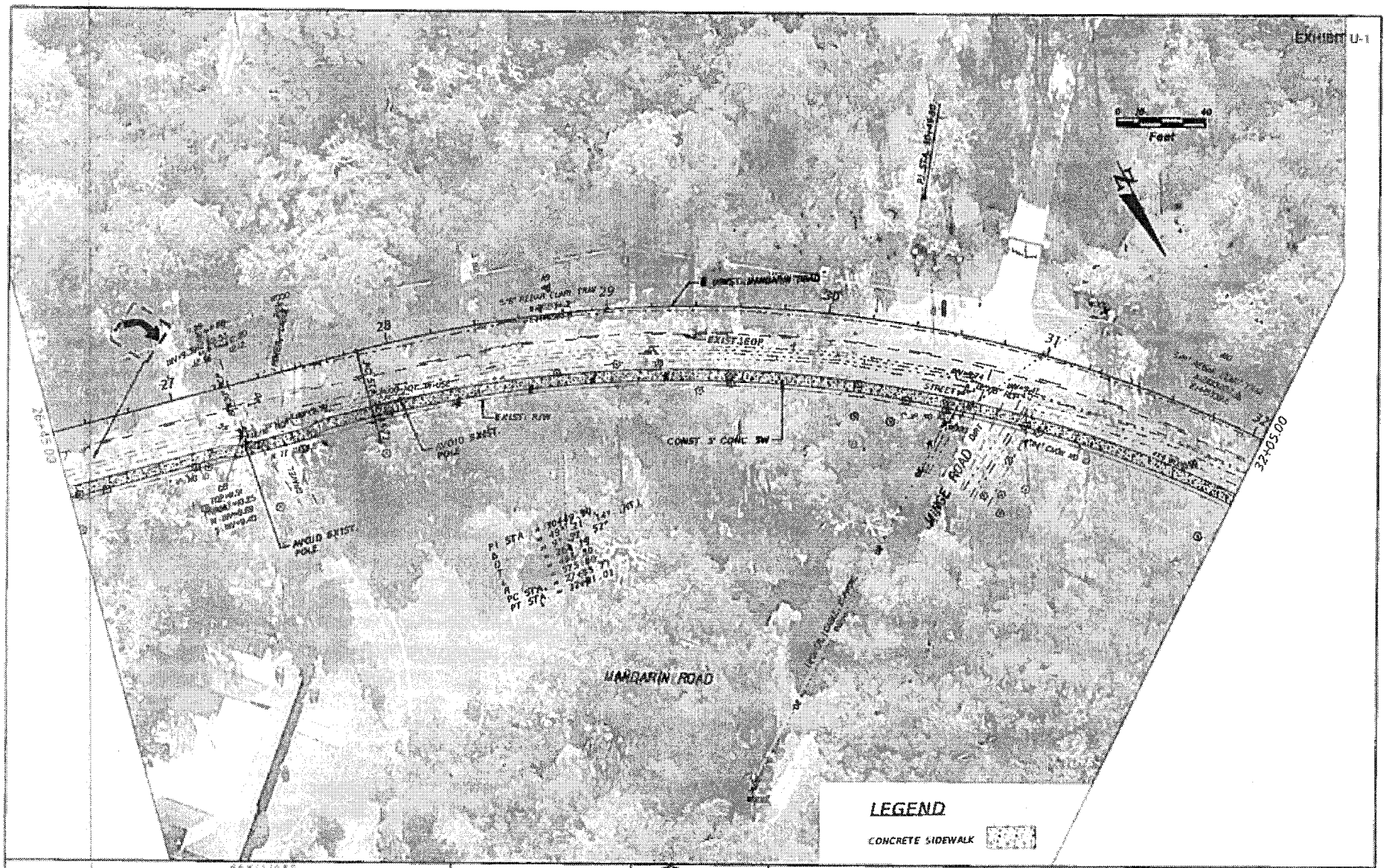
PLAN VIEW

SHEET NO. 9

EXHIBIT U-1



DESIGNED	JC	06/11/2018
DRAWN	IK	06/11/2018
REVIEWED	BSM	07/03/2018

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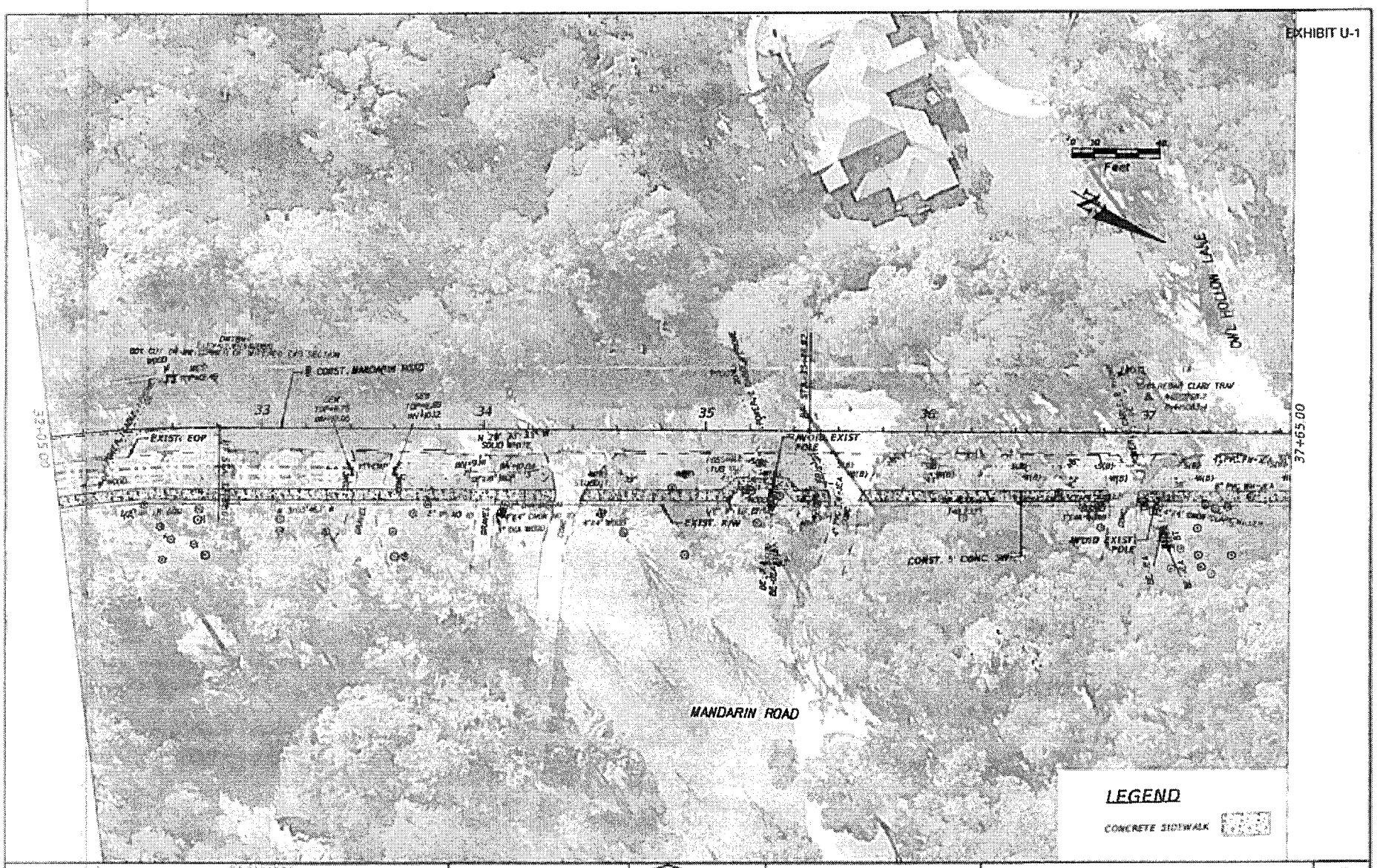
PLAN VIEW

SHEET NO.
10

EXHIBIT U-1



DESIGNED	JC	06/11/2018	
DRAWN	IK	06/11/2018	
REVIEWED	BSM	07/03/2018	

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PLAN VIEW

SHEET NO. 11

EXHIBIT U-1

DESIGNED	JC	06/11/2018
DRAWN	IK	06/11/2018
REVIEWED	BSM	07/03/2018

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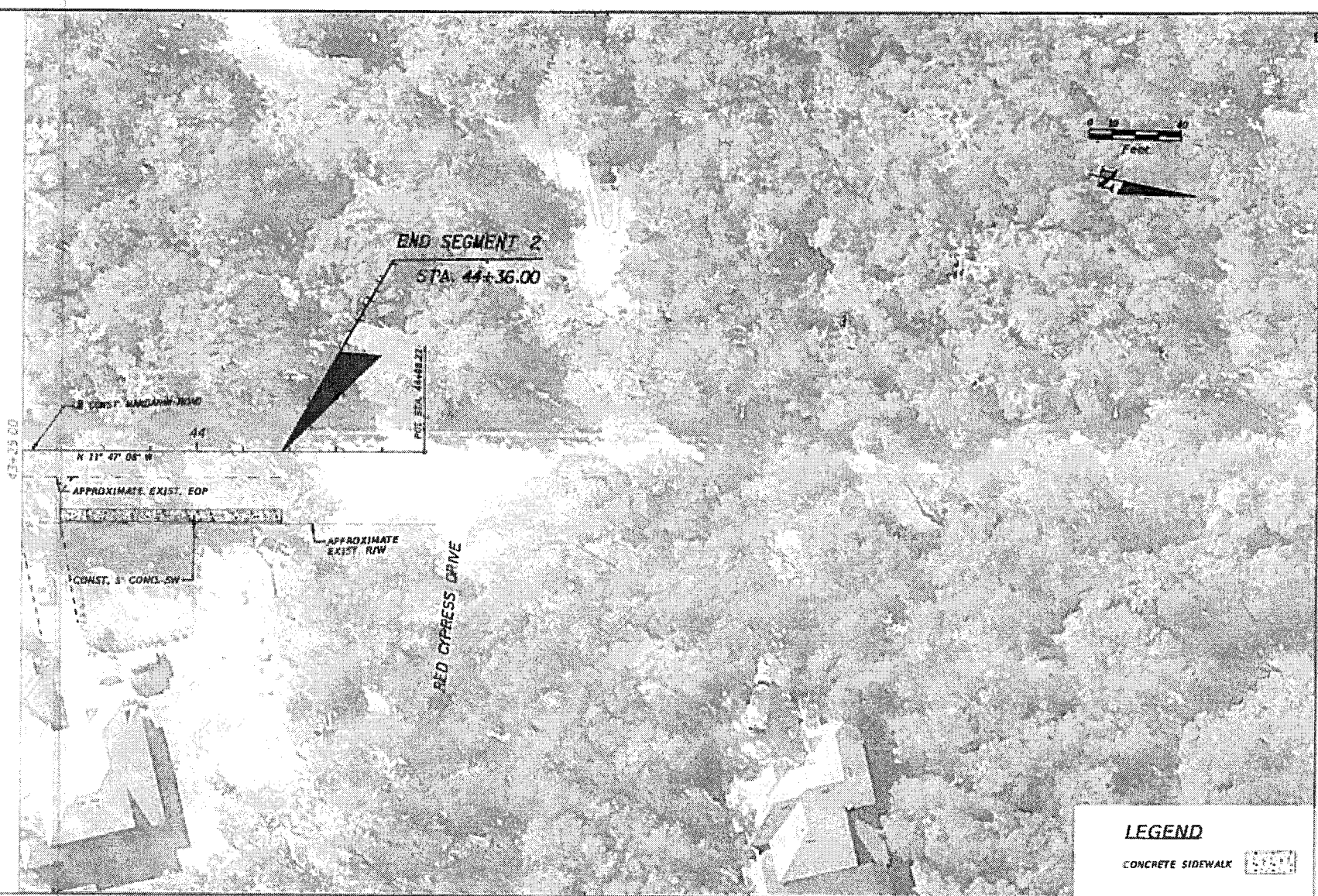
CONSTRUCTION MANAGEMENT
DEPARTMENT OF PUBLIC WORKS

PLAN VIEW

SHEET NO. 12

EXHIBIT U-1



DESIGNED	JC	06/11/2018
DRAWN	IK	06/11/2018
REVIEWED	BSM	07/03/2018

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PLAN VIEW

SHEET NO. 13

QWS3270X 11/8/2018 11:56 AM
FAML6350 V5.1 ** NW COJ FAMIS PRODUCTION ** 11/08/2018
LINK TO: ACCOUNT SUMMARY INQUIRY 11:56 AM

FISCAL MO/YEAR : 02 2019 CURRENCY CODE :
INDEX CODE : PWCP32ERD549 PW ROAD CAPITAL PROJECTS (F5490)
SUBOBJECT : 069505 DM-OTHER CONSTRUCTION COSTS
PROJECT : PW0648 MANDARIN ROAD PROJECTS
PROJECT DETAIL : 02 MANDARIN RD SIDEWALK-NEW
GRANT :
GRANT DETAIL :
USER CODE :

S	NOV 2018	ANNUAL BALANCE	ALL YEARS BALANCE
ESTIMATED REVENUES	.00	.00	.00
REVENUES	.00	.00	.00
UNREALIZED REVENUES	.00	.00	.00
BUDGET	.00	.00	816,486.00
EXPENDITURES	.00	165.92	66,184.65
ENCUMBRANCES	.00	.00	2,677.50
PRE-ENCUMBRANCES	.00	.00	.00
REMAINING BALANCE	.00	-165.92	747,623.85

F1-HELP F2-SELECT F4-PRIOR F5-NEXT
F9-LINK F10-PRIOR-MO F11-NEXT-MO
G005 - PRIOR RECORD DISPLAYED

QWS3270X 11/8/2018 11:57 AM
FAML6350 V5.1 ** NW COJ FAMIS PRODUCTION ** 11/08/2018
LINK TO: ACCOUNT SUMMARY INQUIRY 11:57 AM

FISCAL MO/YEAR : 02 2019 CURRENCY CODE :
INDEX CODE : PWCP32ERD549 PW ROAD CAPITAL PROJECTS (F5490)
SUBOBJECT : 06505 OTHER CONSTRUCTION COSTS
PROJECT : PW0337 ORANGE PICKERS/MANDARIN TO BRADY
PROJECT DETAIL : 02 ORANGE PICKERS SDWLK (MANDARIN TO BRADY)
GRANT :
GRANT DETAIL :
USER CODE :

S	NOV 2018	ANNUAL BALANCE	ALL YEARS BALANCE
ESTIMATED REVENUES	.00	.00	.00
REVENUES	.00	.00	.00
UNREALIZED REVENUES	.00	.00	.00
BUDGET	.00	.00	450,000.00
EXPENDITURES	.00	165.92	45,265.67
ENCUMBRANCES	.00	.00	7,600.00
PRE-ENCUMBRANCES	.00	.00	.00
REMAINING BALANCE	.00	-165.92	397,134.33

F1-HELP F2-SELECT F4-PRIOR F5-NEXT
F9-LINK F10-PRIOR-MO F11-NEXT-MO
G005 - PRIOR RECORD DISPLAYED

QWS3270X 11/8/2018 11:57 AM
FAML6350 V5.1 ** NW COJ FAMIS PRODUCTION ** 11/08/2018
LINK TO: ACCOUNT SUMMARY INQUIRY 11:57 AM

FISCAL MO/YEAR : 02 2019 CURRENCY CODE :
INDEX CODE : PWCP32ERD549 PW ROAD CAPITAL PROJECTS (F5490)
SUBOBJECT : 06505 OTHER CONSTRUCTION COSTS
PROJECT : PW0785 SIDEWALK CONSTRUCTION - NEW
PROJECT DETAIL : 01 SIDEWALK CONSTRUCTION - NEW
GRANT :
GRANT DETAIL :
USER CODE :

S	NOV 2018	ANNUAL BALANCE	ALL YEARS BALANCE
ESTIMATED REVENUES	.00	.00	.00
REVENUES	.00	.00	.00
UNREALIZED REVENUES	.00	.00	.00
BUDGET	.00	.00	1,000,000.00
EXPENDITURES	.00	.00	555,370.66
ENCUMBRANCES	.00	30,997.45	71,493.02
PRE-ENCUMBRANCES	.00	.00	.00
REMAINING BALANCE	.00	-30,997.45	373,136.32

F1-HELP F2-SELECT F4-PRIOR F5-NEXT
F9-LINK F10-PRIOR-MO F11-NEXT-MO
G005 - PRIOR RECORD DISPLAYED