RESOLUTION NO. 26-2193

A RESOLUTION OF THE MAYOR AND TOWN COUNCIL OF THE TOWN OF MIAMI LAKES, FLORIDA, AUTHORIZING THE TOWN MANAGER TO AWARD A WORK ORDER TO MARLIN ENGINEERING, INC. FOR PROFESSIONAL ENGINEERING AND SURVEYING SERVICES FOR THE PAR 3 BOUNDARY SURVEY AND UTILITY COORDINATION PROJECT; APPROVING THE EXPENDITURE OF FUNDS NOT TO EXCEED SEVENTY NINE THOUSAND, SIX HUNDRED SIXTY DOLLARS AND 92/100 ($79,660.92) FROM GENERAL LEDGER ACCOUNT 3017327-562065 (SENIOR CENTER BUILDOUT); AUTHORIZING THE TOWN MANAGER TO EXECUTE ALL NECESSARY DOCUMENTS; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, on April 21, 2026, the Town Council approved Resolution 26-2171, authorizing a Restrictive Covenant and Option to Require Donation Agreement between the Town of Miami Lakes and The Graham Companies for the Par-3 property; and

WHEREAS, the intent for the Par-3 site is to serve as a future Town park, and the Town is evaluating the feasibility of constructing a future Senior Center on the property; and

WHEREAS, in preparation for a future donation of the Par-3 parcel, the Town requires a full boundary survey of the property and the surrounding area to support planning and design efforts for both the future park and potential Senior Center; and

WHEREAS, a comprehensive boundary and topographic survey is necessary to document existing boundary, topographic, ownership, easement, right-of-way, and utility conditions affecting the property; and

WHEREAS, the Town requested a proposal from Marlin Engineering, Inc. through the Town's Continuing Engineering Services Contract 2021-43 for professional surveying and engineering services for the area within Folio No. 32-2023-001-0200 and the adjacent right-of-way; and

WHEREAS, the survey will identify construction limitations, easements, elevation changes, utilities, parcel boundary lines, adjoining property lines, observed encroachments or discrepancies, known setbacks, rights-of-way, and jurisdictional boundaries necessary to guide both park and Senior Center planning; and

WHEREAS, the survey will also include an evaluation of the constructable area that could accommodate a future Senior Center; and

WHEREAS, authorizing this work order will support the Town's due diligence regarding the Par-3 property, ensure readiness for a future donation, and provide critical information necessary for planning both a park and a potential Senior Center; and

WHEREAS, Marlin Engineering, Inc. has submitted a work order proposal for professional engineering and surveying services in the amount not to exceed Seventy-Nine Thousand Six Hundred Sixty and 92/100 Dollars ($79,660.92), as set forth in Exhibit A attached hereto and incorporated herein by reference; and

WHEREAS, funds for this work order are available in General Ledger Account 3017327-562065 (Senior Center Buildout); and

WHEREAS, the Town Manager has recommended that the Town Council authorize the award of the work order to Marlin Engineering, Inc. for the Par 3 Boundary Survey and Utility Coordination project; and

WHEREAS, the Town Council finds that awarding this work order is in the best interests of the Town and its residents.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MIAMI LAKES, FLORIDA, AS FOLLOWS:

Section 1. Recitals. The foregoing Recitals are true and correct and are hereby incorporated herein by this reference.

Section 2. Awarding Work Order. The Town Council hereby authorizes the Town Manager award a work order pursuant to the Town's Continuing Engineering Services Contract 2021-43 with Marlin Engineering, Inc., for professional engineering and surveying services for the Par 3 Boundary Survey and Utility Coordination project in an amount not to exceed Seventy-Nine Thousand Six Hundred Sixty and 92/100 Dollars ($79,660.92).

Section 3. Authorization to Execute. The Town Manager, and Town Attorney or their delegates are authorized to execute any document necessary to effectuate this Work Order. The Town Manager is authorized to expend budgeted funds.

Section 4. Effective Date. This Resolution shall take effect immediately upon adoption.

********** THIS SECTION HAS BEEN LEFT PURPOSEFULLY BLANK *********

The foregoing resolution was offered by Councilmember Fernandez who moved its adoption. The motion was seconded by Mayor Dieguez and upon being put to a vote, the vote was as follows:

Mayor Joshua Dieguez	Yes
Vice Mayor Bryan Morera	Absent
Councilmember Juan Carlos Fernandez	Yes
Councilmember Angelo Cuadra Garcia	Yes
Councilmember Ray Garcia	Yes
Councilmember Steven Herzberg	Yes
Councilmember Alex Sanchez	Yes

Passed and adopted this 18th day of August 2026.

Joshua Dieguez
Mayor

Attest:

Gina M. Inguanzo
Town Clerk

Approved as to form and legal sufficiency:

Lorenzo Cobiella
Gastesi, Lopez Mestre and Cobiella, PLLC
Deputy Town Attorney

MARLIN Engineering, Inc.
3363 W Commercial Blvd, Suite 115
Fort Lauderdale, FL 33309

Consultant Project Proposal

August 14, 2026

Dear Mr. Omar Santos:

Marlin Engineering, Inc proposes to provide professional surveying and engineering services for the project entitled "Boundary Survey and Utility Coordination for Par 3" pursuant to the Professional Service Agreement 2021-43 provided by the Town of Miami Lakes for Civil Engineering services, dated 3/2/2022.

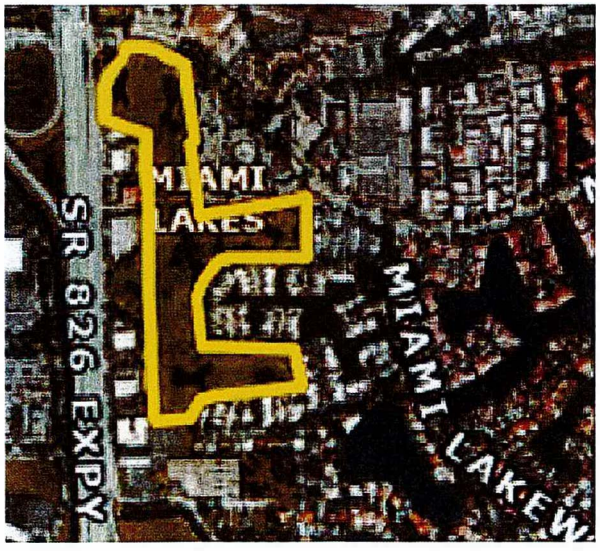
I. General

The Town of Miami Lakes is requesting professional surveying and engineering services for the area within Folio No. 32-2023-001-0200 and the adjacent right-of-way as highlighted in Exhibit A. The work will support the Town's evaluation of a proposed Senior Center by documenting the existing boundary, topographic, ownership, easement, right-of-way, and utility conditions affecting the property.

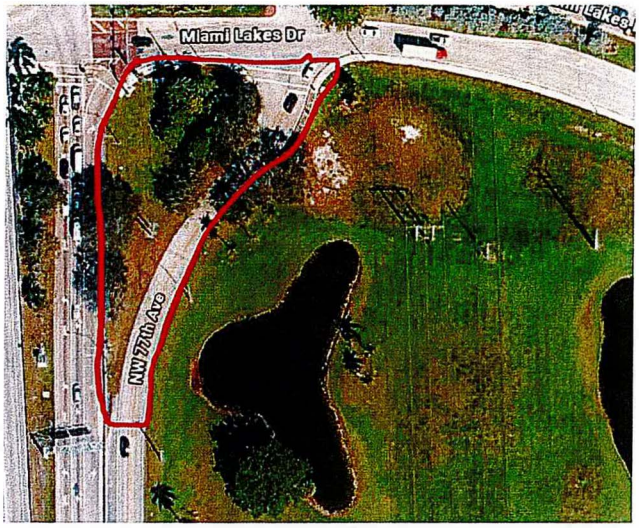
The project will also include two plan exhibits identifying the constructable area for the proposed Senior Center. Alternative 1 will depict the constructable area based on existing conditions. Alternative 2 will depict the constructable area considering the proposed NW 77 Avenue modification shown in FDOT Project FID 435760-1-52-01.

The information developed under this Work Order will support the Town's planning, evaluation, and decision-making efforts for the proposed Senior Center site.

Project Location 1: Area within Folio No. 32-2023-001-0200, the adjacent right-of-way



Project Location 2: FDOT property located southeast of the intersection of Miami Lakes Drive and NW 77 Avenue



Scope of Work

The scope of work outlines the effort required to complete the boundary and topographic survey, property ownership research, utility investigation and coordination, constructable-area exhibits, and final project deliverables.

Task 1 – Project Management

MARLIN will provide project management, coordination, schedule monitoring, quality control, and communication with the Town throughout the performance of the services. This task includes one kickoff meeting, coordination with Town staff, coordination with the survey team and utility owners, and preparation and transmittal of project deliverables.

Task 2 – Boundary and Topographic Survey

MARLIN will perform professional surveying services for the area within **Folio No. 32-2023-001-0200, the adjacent right-of-way, and the FDOT property located southeast of the intersection of Miami Lakes Drive and NW 77 Avenue**, as identified by the Town. The survey will meet the Standards of Practice established by the Florida Board of Professional Surveyors and Mappers.

- Establish horizontal and vertical control points to support the survey. Vertical control elevations will be based on the National Geodetic Vertical Datum of 1929 (NGVD29). Horizontal control will be based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983/2011.

- Obtain spot elevations at approximately 100-foot intervals; at high and low points; and at transitions such as driveways, private walkways, ramps, lakes, and other relevant changes in grade.
- Locate visible surface features within the survey limits, including pavement, driveways, paved swales, sidewalks, slabs, curbs, walls, fences, trees, utility poles, and signage.
- Locate visible surface evidence of utilities, including utility poles, guy wires, street lighting, storm sewer structures, sanitary sewer structures, wire pull boxes, cable enclosures, utility cabinets, valves, valve boxes, meter boxes, backflow preventers, fire hydrants, and overhead utilities.
- Measure rim and invert elevations of accessible sanitary and storm sewer structures and, when possible, identify pipe material, size, and direction of flow.
- Locate trees with a diameter of three (3) inches or greater and identify the common name and diameter at breast height. Canopy spread and tree height are not included.
- Calculate and depict property lines and adjacent right-of-way lines based on recovered monumentation, plats of record, and available Miami-Dade County GIS parcel information.
- Calculate and depict easement lines based on plats of record and/or a title report supplied by the Town.
- Identify and depict parcel boundary lines, adjoining property lines, and observed encroachments or discrepancies. Include known setbacks, easements, rights-of-way, and relevant jurisdictional boundaries.

Task 3 – Utility Survey and Coordination

- Locate and depict above-ground utilities within the project area.
- Investigate and depict known underground utilities based on available utility records, field markings, visible surface evidence, and information provided by utility owners.
- Coordinate with utility owners known to operate within or adjacent to the project area. Copies of the survey will be transmitted to the utility owners for review and identification of their facilities. Information received will be incorporated into the survey and exhibits, as applicable.
- Include available utility ownership information and applicable utility notes.

Task 4 – Senior Center Constructable-Area Plans

MARLIN will prepare two plan exhibits depicting the potential constructable areas for the proposed Senior Center based on known boundary conditions, setbacks, easements, rights-of-way, and other identified constraints.

- Alternative 1 – Prepare a plan exhibit showing the constructable area based on existing conditions.
- Alternative 2 – Prepare a plan exhibit showing the constructable area considering the proposed NW 77 Avenue modification shown in FDOT Project FID 435760-1-52-01, Exhibit B.

For both alternatives, the exhibits will include dimensions, limits, known constraints, and other factors affecting the potential site layout. These exhibits are planning-level documents and do not constitute architectural, site-development, or construction plans.

Task 5– Final Deliverables

Deliverables will include:

- Signed and sealed boundary and topographic survey drawings in PDF format.
- Survey and constructable-area plan files in CAD format.
- Alternative 1 and Alternative 2 constructable-area plan exhibits in PDF format.
- Supporting documents, notes, utility information, and references used to prepare the survey and exhibits.

II. Subconsultants

The following Subconsultants will assist in the performance of the Services under the Agreement.

Subconsultant's Name	Specialty of Expertise
Marlin Engineering Survey	Boundary, Topographic and Utility Surveying

III. Schedule of Work – Time for Performance

Consultant will submit the deliverables and perform the services as stated in the table below:

Schedule of Deliverables			
Task, Sub-Task or Activity ID #	**Major Task, Sub-Task Activity, or Deliverable**	**Duration** (specify weeks or calendar days)	**Delivery** (cumulative weeks or calendar days)
1	Project Management	Ongoing	NTP through Final Delivery
2	Boundary and Topographic Survey	6 weeks	NTP
3	Utility Survey and Coordination	4 weeks	NTP+12
4	Proposed Senior Center Constructable-Area Plans	4 weeks	NTP+16
	Review by Town of Miami Lakes	2 weeks	NTP+18
5	Final Survey, Exhibits, CAD Files, and Supporting Documents	2 weeks	NTP+20

IV. Compensation

Consultant shall perform the Work detailed in this Proposal for a total not to exceed $ 76,560.38. The Consultant will be paid based on the fee basis as shown in the table below. The Town shall not be liable for any fee, cost, expense or reimbursable expense or other compensation beyond this amount unless approved in a supplemental Work Order. The fee may include an allowance for Reimbursable Expenses required in connection with the Work, in an amount not to exceed that stated in the table below. Reimbursable Expenses will be used and compensated for in accordance with the Agreement and must conform to the limitations of Florida Statutes § 112.061.

The following is a summary of the method and amount of compensation to be paid for each Task or Activity as identified in Section III above.

Schedule of Deliverables			
Task, Sub-Task or Activity ID #	**Major Task, Sub-Task Activity, or Deliverable**	**Fee Amount**	**Fee Basis**
1	Project Management	$ 5,285.40	Hourly rate, not to exceed
2	Boundary and Topographic Survey (Loc 1 & 2)	$40,835.38	fixed fee
3	Utility Survey	$14,979.00	fixed fee
3	Utility Coordination	$ 4,841.92	fixed fee
4	Senior Center Constructable-Area Plans	$ 10,194.36	fixed fee
5	Final Survey, Exhibits, CAD Files, and Supporting Documents	$ 2,322.46	fixed fee
	Subtotal – Professional Fees	$ 76,650.38	
	Allowance for Reimbursable Expenses	$0.00	
	TOTAL	$ 76,560.38	$ 76,650.38

V. Exclusions from Basic Services

The following optional services are not included in the Basic Services to be performed under this Work Order:

- Subsurface Utility Engineering, including utility designation, test holes, or vacuum excavation.
- Title search, title commitment, legal description preparation, architectural design, site-development design, permitting, environmental services, geotechnical services, or services outside the identified survey limits.
- SUE Quality Levels A or B
- Environmental permitting
- Geotechnical investigation
- Architectural/site development design
- Permit application preparation

- Construction phase services

VI. Town Furnished Documents & Data

The following information or documents are to be provided by the Town, if available:

- Exhibit A identifying the survey limits;
- Exhibit B and available plans for FDOT Project FID 435760-1-52-01;
- Available title information, deeds, plats, easements, prior surveys, utility records, and other relevant project information.

VII. Additional Services

The Town may include an allowance account under the approved Work Order for Additional Services that may be requested by the Town, which will be used at the sole discretion of the Town.

Marlin Engineering, Inc

Signature

Aycel Freda, P.E. / Project Manager
Name/Title

8/14/2026
Date

Town of Miami Lakes*

Dept. Approval: Signature

Omar Santos Baez
Director of Public Works
Name/Title

Procurement: Signature

Rosa M. Marrero, Procurement Manager
Procurement Manager

Town Manager: Signature

Edward Pidermann
Town Manager

_____
Signature

Town Manager

Work Order No.: _____
(Assigned by the Town upon approval, if applicable)

*The Town may at its sole discretion approve this Work Order Proposal by signing below of the Town may issue a separate Work Order for the Services.

TOWN OF MIAMI LAKES

Consultant Fee Proposal Worksheet

Consultant Name: Marlin Engineering, Inc.
Contract No.: 2021-43
Date: 8/14/2026
Work Order No:

Project: Boundary Survey and Utility Coordination
Project No.:
Description: Document existing boundary, topographic, ownership, easement, right-of-way, and utility conditions

STAFF CLASSIFICATION

Job Classification / Assigned Staff / Approved Rate	Project Manager Rate: $209.15		Chief Engineer Rate: $243.98		Project Engineer Rate: $159.50		Senior Designer Rate: $129.69		Utility Coordinator Rate: $99.99		Rate:		Clerical Rate: $ 75.40		Staff Hours By	Salary Cost By	Average Rate Per
Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Task	Task	Task
1																	
2 Task1- Project Management	10	$2,092	10	$2,440									10	$754	30	$5,285	$176.18
3 Task 4 – Utility Coordination	3	$627	5	$1,220	6	$957	8	$1,038	10	$1,000					32	$4,842	$151.31
4 Task 5 – Senior Center Constructable Area Plans	3	$627	7	$1,708	20	$3,190	36	$4,669							66	$10,194	$154.46
5 Task 6 – Final Documentation	2	$418	2	$488	4	$638	6	$778							14	$2,322	$165.89
6																	
7																	
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Total Staff Hours	18		24		30		50		10				10		142		
Total Staff Cost		$3,764.70		$5,855.52		$4,785.00		$6,484.50		$999.90				$754.00		$22,643.62	$159.46
Total % of Work by Position	12.7%		16.9%		21.1%		35.2%		7.0%				7.0%				

Note: Fee for the Principal(s) of the firm are not to be included above as the multiplier is not applicable to their hours. The fee is to be shown below and entered as a separa

Estimate of Principal's Fee
Total hours _____ / hour = $ -

1 - SUBTOTAL ESTIMATED FEE: multiplier 1.00	$22,643.62
Boundary Survey Fee_ Task-2 Area 1_ Marlin Survey	$37,260.66
Utility Above_Ground Task-4 Marlin Survey_Utilty	$12,833.87
Boundary Survey Fee_ Task -2 Area 2_Marlin Survey	$3,822.23
2 - SUBTOTAL ESTIMATED FEE:	$76,560.38
3 - SUBTOTAL ESTIMATED FEE:	$76,560.38
Additional Services (Allowance)	
Reimbursables (Allowance)	
GRAND TOTAL ESTIMATED FEE:	$76,560.38

Notes:
1. This sheet is to be used by Prime Consultant to calculate the Grand Total Fee and one is to be used for each Subconsultant
2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden
3. Where applicable the basis for work activity descriptions shall be the FICE/FDOT Standard Scope and Staff Hour Estimation Handbook.
4. Enter the multiplier value in the field after the word "multiplier" Maximum of 2 decimal points.

MARLIN ENGINEERING, INC.

PROFESSIONAL SURVEY FEE PROPOSAL

Project Name: *Boundary, Topographic & Utility Surveye– Par 3*
Client: *Town of Miami Lakes — Dept. of Public Works &*
Contact: *Omar Santos Baez, P.E., Director of Public Worl*
Folio No.: *32-2023-001-0200*
Site Area: *±30.33eAcres (1,321,392 Sq. Ft.)*
Project No.:
Prepared By: *Juan Carlos Meléndez, PSM*
Date:
Revision: *0*

Hourly Rates ↓	Land Surveyor (PSM / PLS)	CADDd Survey Tech	3-Person Field Crew	Admin.	Equipmentd Mob.	
Rate ($/hr)	**$175.25**	**$74.79**	**$165.01**	**$74.10**	**$225.00**	
Scope of Work / Task Description	Land Surveyor (PSM / PLS)	CADD / Survey Tech	3-Person Field Crew	Admin.	Equip. / Mob.	Line Total
SECTION A — BOUNDARY SURVEY & TOPOGRAPHIC SURVEY | Folio 32-2023-001-0200 | ±30.33 Acres						
Task A-1 — Records Research, Plat & Title Review, Property Ownership Compilation						
A-1e1 — Records Research & Pre-Survey Analysis Research and compilation of recorded plat(s) of record, deed records, Miami-Dade County GIS parcel map (Folio 32-2023-001-0200), right-of-way maps, FDOT Project FID 435760 1 52 01 plans, and any available title information affecting the subject parcel. Identification of all adjoining parcel owners, parcel identification numbers, and recorded instruments (easements, restrictions, dedications) that affect boundary conditions, per Town of Miami Lakes request. Vertical datum research: confirm NGVD29 conversion factor applicable to the Miami Lakes area (approx. +1e52 ft from NAVD 88).	3	2		1		**$749.43**
A-1e2 — Property Ownership Information Report Compilation of current property owner information for all parcels within and immediately adjacent to the survey limits. Report to include: owner of record, mailing address, folio number, legal description reference, and any recorded documents affecting boundary conditions (easements, covenants, right-of-way dedications). Submitted as a supporting document with the final deliverable.	2	2		1		**$574.18**
Task A-2e— Horizontal & Vertical Geodetic Control Survey [Field: 1.5 Days — 3-Person Crew]						

A-2.1 — NGS Monument Recovery & Project Control Network Establishment Research and field recovery of NGS and Miami-Dade County geodetic control monuments in the vicinity of the Par 3 site. Establishment of a project-specific control network referenced to: • Horizontal: NAD 83 (2018), Florida State Plane Coordinate System, East Zone (FIPS 0901e U.S. Survey Feet) • Vertical: NGVD29 (as specified by Town of Miami Lakes) Network established via closed-loop GPS/RTK traverse and differential benchmark run for independent QA/QC verification. Minimum two (2) permanent project benchmarks set on or adjacent to the site with a minimum of three (3) tie measurements each. Field time: 1.5 days × 8 hrse= 12 hrs (3-Person Field Crew).	**2**		**12**		**2**	**$2,780.62**
Task A-3 — Boundary Surveyd Specific Purpose Survey [Field: 2 Days — 3-Person Crew]						
A-3.1 — Monument Recovery, Traverse & Boundary Calculation Field recovery of all available monumentation along the perimeter of Folio 32-2023-001-0200 and adjacent right-of-way limits. Establishment of a boundary traverse to fit the record geometry to a relative precision of 1:10,000 minimum per Chapter 5J-17, F.A.C. Angular measurements to nearest 5 arc-seconds (05"); linear distances to nearest 0.01 ft. Calculation and depiction of property boundary lines, adjoining property lines, right-of-way lines, setback requirements, easements, and jurisdictional boundaries based on found monumentation, plat of record, and Miami-Dade County GIS parcel map. Identification and documentation of any encroachments or boundary discrepancies. Field time: 2 days × 8 hrs = 16 hrs (3-Person FieldeCrew).	**4**		**16**			**$3,341.16**
A-3.2e— Easement Depiction & Boundary Map Preparation Calculation and depiction on the survey drawing of all easement lines based on the plats of record or client-supplied title report. Inclusion of all setback requirements, right-of-way lines, and any relevant jurisdictional boundaries. All boundary and easement data integrated into the final signed-and-sealed survey drawing per Chapter 472, F.S. and Chapter 5J-17, F.A.C.	**3**	**6**				**$974.49**
Task A-4e— Topographic Surveye— ±30.33 Acres [Field: 15 Dayse— 3-Person Crew]						

A-4.1 — Field Topographic Data Collection (±30.33 Acres/ ±1,321,392 Sq. Ft.) Ground-level topographic survey of the entire Par 3 site and adjacent right-of-way as directed by the Town of Miami Lakes. Spot elevations collected at approximately 100-ft grid intervals and at all high/low points, grade breaks, driveways, private walkways, ramps, lake edges, and swale transitions. Planimetric features to be located and mapped include: B-Pavement, driveways, paved swales, sidewalks, slabs, curbs, walls, and fences C-Utility poles, guy wires, street lighting, cable enclosures, utility cabinets D-Valves, valve boxes, meter boxes, backflow preventers, and fire hydrants E-Overhead utilities and above-ground utility appurtenances F-Trees ≥ 3" caliper DBH: common name and DBH recorded (canopy/spread/height excluded per SOW) G-Signage, lake/pond shoreline, and all other significant site features Field time: 15 days × 8 hrs = 120 hrs (3-Person Field Crew).			110		8	$19,951.10
A-4.2 — Storm & Sanitary Sewer Structure Inventory Field location, measurement, and documentation of all accessible storm and sanitary sewer structures within the survey limits: catch basins, inlets, manholes, junction boxes, and outfall structures. Data collected per structure: rim/grate elevation (NGVD29), pipe invert elevations in/out, pipe diameter, pipe material, and flow direction (where determinable). Results integrated into topo base map and drainage structure table.			12			$1,980.12
Task A-5 — CAD Drafting, DTM Compilation & Deliverables						
A-5.1 — Survey Data Processing, CAD Drafting & Digital Terrain Model Office reduction and adjustment of all field observations. Preparation of fully annotated Topographic and Boundary Survey base map in AutoCAD Civil 3D format including: all planimetric features, breaklines, spot elevations, 1-ft contour intervals, drainage structure table, property and ROW lines, easements, setbacks, and boundary data. Development of a Digital Terrain Model (DTM) with triangulated breaklines and 1-ft contours.	4	40		2		$3,840.80
A-5.2 — Proposed Senior Center Construction Area Plans — Two Alternatives Preparation of plan sheets depicting constructable areas based on boundary conditions, setbacks, easements, and right-of-way constraints, for two client-directed alternatives: • Alternative 1: Constructable area per existing site conditions • Alternative 2: Constructable area incorporating proposed NW 77 Ave modification per FDOT Project FID 435760 1 52 01, Exhibit B Both alternatives to include dimensions, limits, known constraints, and all factors influencing site layout, per Town of Miami Lakes directive.	4	16		1		$1,971.74

A-5.3 — Signed & Sealed Survey Deliverable Package Final deliverables: (1) AutoCAD Civil 3D .DWG file — boundary, topo, DTM, drainage table, easements, and construction area alternatives; (2) signed-and-sealed Topographic & Boundary Survey in PDF format (24"×36") bearing PSM seal per Chapter 472, F.S. and Chapter 5J-17, F.A.C.; (3) Construction Area Alternative plan sheets (PDF); (4) Property Ownership Information Report; (5) supporting documents, notes, and references used to prepare the survey.	2	8		2		$1,097.02
SECTION A SUBTOTAL — BOUNDARY SURVEY & TOPOGRAPHIC SURVEY						**$37,260.66**
SECTION B — UTILITY COORDINATION | Above-Ground & Record-Based Underground Utilities						
Task B-1 — Utility Records Research & Owner Coordination						
B-1.1 — Utility Records Research & One-Call Coordination Research and compilation of available utility record drawings, GIS data, and as-built documents from all applicable utility owners and agencies serving the Par 3 site, including: FPL (electric), AT&T / Comcast (telecommunications/fiber), TECO / Peoples Gas (natural gas), Miami-Dade Water & Sewer (potable water and sanitary), and Miami-Dade DERM (storm sewer). Sunshine 811 / One-Call coordination and advance notification to utility owners prior to any field activities. Compilation of utility ownership information and applicable notes for all identified systems.	2	16		1		$1,621.24
Task B-2 — Above-Ground Utility Field Inventory & Record-Based Underground Depiction						
B-2.1 — Above-Ground Utility Appurtenance Location & Mapping Field location and mapping of all visible above-ground utility evidence within the project area, including: utility poles, guy wires, street lighting, storm sewer structures, sanitary sewer structures, wire pull boxes, cable enclosures, utility cabinets, valves, valve boxes, meter boxes, backflow preventers, fire hydrants, and overhead utilities. All appurtenances surveyed to horizontal and vertical accuracy consistent with the topographic survey control. Note: Above-ground utility inventory is incorporated within Task A-4.1 field scope; this task covers the additional annotation, ownership attribution, and utility composite preparation.	2	8	8			$2,268.90

B-2.2 — Underground Utility Depiction from Records & Field Markings Investigation and depiction of all known underground utilities based on utility owner records, Sunshine 811 field markings, and available as-built locations within the project area. Underground utility information depicted on the survey drawing with appropriate confidence notation per CI/ASCE 38-22 Quality Level D (records) and Quality Level C (field markings). Utility ownership information and applicable notes included on all utility depictions. Note: This scope does NOT include geophysical designation (GPR/EM) or test holes (QL-B/QL-A); those services are available as additional scope if required.	2	16	35			$7,322.49
Task B-3 — Utility Composite Map & Deliverable						
B-3.1 — Utility Composite Map Preparation Preparation of a utility composite map integrating all above-ground surveyed utility locations and record-based underground utility data into the AutoCAD Civil 3D base map. Map to include: utility type, ownership, pipe/conduit size and material (where available from records), confidence qualitye level notation, and applicable utility owner notes. Delivered as part of the signed-and-sealed survey drawing package (Section A, Task A-5.3).	2	16		1		$1,621.24
					SECTION B SUBTOTALe— UTILITY COORDINATION	$12,833.87
					TOTAL ESTIMATED FEE — ALL SECTIONS	$50,094.53

NOTES, ASSUMPTIONS & EXCLUSIONS

1. *Site area: ±30.33 acres (1,321,392 Sq. Ft.) per Miami-Dade County Property Appraiser, Folio No. 32-2023-001-0200.*
2. *Field schedule basis: 15 days topographic data collection + 1.5 days H/V control + 2 days boundary monument recovery = 18.5 field days (3-Person Crew).*
3. *Vertical datum: NGVD29 as specified by the Town of Miami Lakes. Note: NGVD29 differs from NAVD 88 by approximately +1.52 ft in the Miami Lakes area.*
4. *Horizontal datum: NAD 83 (2011), Florida State Plane Coordinate System, East Zone (FIPS 0901, U.S. Survey Feet).*
5. *Geophysical utility designation (GPR/EM — QL-B) and test holes (QL-A) are EXCLUDED from Section B. Available as additional services.*
6. *A full boundary survey resolution of discrepancies or missing parent tract corners is not guaranteed; scope is limited to recovery of available monumentation.*
7. *FDOT Project FID 435760 1 52 01, Exhibit B (Alternative 2 ROW data) to be furnished by the Town of Miami Lakes or FDOT prior to CAD drafting.*
8. *All work performed in conformance with Chapter 5J-17, F.A.C. and Chapter 472, F.S. (Florida Board of Professional Surveyors and Mappers).*
9. *All hours and fees are estimates only; actual hours may vary based on site conditions. Quote valid 90 days from date of preparation.*

MARLIN ENGINEERING, INC.

SURVEY FEE PROPOSAL — ADDENDUM NO. 1

Reference: Original Proposal— Par 3 Boundary, Topographic & Utility Survey | Folio 32-2023-001-0200 | ±30.33 Acres

Project Name: *Addendum No. 1 — FDOT ROW Topogra*
Client: *Town of Miami Lakes — Dept. of Public W*
Contact: *Omar Santos Baez, P.E., Director of Publi*
Addendum Ref.: *Email requeste— additional FDOT road se*
Location: *FDOT Right-of-Way, SE Quadrant — Miai*
Project No.:
Prepared By: *Juan Carlos Meléndez, PSM*
Date:
Revision: *0*

Hourly Rates ↓	Land Surveyor (PSM / PLS)	CADD / Survey Tech	3-Person Field Crew	Admin.	Equipment / Mob.	
Rate ($/hr)	$175.25	$74.79	$165.01	$74.10	$225.00	
Scope of Work / Task Description	**Land Surveyor (PSM / PLS)**	**CADD / Survey Tech**	**3-Person Field Crew**	**Admin.**	**Equip. / Mob.**	**Line Total**
ADDENDUM TASK 1 — FDOT Records Research & Right-of-Way Map Review						
Add-1.1 — FDOT ROW Map Research & State Road Identification Research and review of applicable FDOT Right-of-Way Maps for the State Road(s) at the Miami Lakes Drive and NW 77th Avenue intersection, including FDOT Project FID 435760 1 52 01 plans and any available FDOT as-built ROW survey data from District 6 records. Identification of the controlling ROW map sheet(s), acquisition parcel numbers, and recorded fee simple or easement takings affecting the subject road section. ROW lines to be depictede on the survey drawing from FDOT record documentse— no field boundary survey or monume recovery is included for FDOT ROW limits. Survey note to read: "Right-of-way lines shown hereon are based on FDOT Right-of-Way Maps and are depicted for informational purposes only; no boundary survey of FDOT right-of-way has been performed."	2	2		1		$574.18
ADDENDUM TASK 2 — Roadway Corridor Topographic Survey — FDOT ROW Section [Field: 1 Day — 3-Person Crew | Control: Existing Project Network]						

Add-2.1 — Field Topographic Data Collection — Roadway Corridor (±500-600 LF est.) Ground-level topographic survey of the FDOT road section in the SE quadrant of the Miami Lakes Dr and NW 77th Ave intersection. Project horizontal and vertical control established under the original proposal (Task A-2) will be extended to this corridor — NO additional control mobilization required. Survey extends from FDOT ROW line to FDOT ROW line across the full roadway cross-section. Roadway features to be located and mapped include: • Edge of pavement, travel lanes, turn lanes, median, and painted lane striping • Curb & gutter, raised medians, valley gutters, and sidewalks • Traffic signal poles, mast arms, signal heads, and pedestrian signal equipment • Drainage inlets, catch basins, and visible drainage outfalls • Utility poles, guy wires, above-ground utility appurtenances, and signage • Spot elevations at 100-ft intervals, all grade breaks, and all curb transitions Field time: 1 day × 8 hrs = 8 hrs (3-Person Field Crew). Note: Active intersection — MOT (Maintenance of Traffic) coordination with FDOT District 6 and Miami Lakes required prior toa mobilization; flagging or lane closure may be necessary.			2.5		4	$1,312.53
Add-2.2 — Drainage Structure Inventory — FDOT ROW Section Field location and documentation of all accessible storm drainage structures within the FDOT road section: catch basins, inlets, junction boxes, and outfall structures. Data collected per structure: rim/grate elevation (NGVD29), pipe invert elevations in/out, pipe diameter, material, and flow direction where determinable. Results integrated into the main survey base map and drainage structure table.			1			$165.01
ADDENDUM TASK 3 — FDOT ROW Depiction & CAD Integration into Main Survey Drawing						
Add-3.1 — FDOT ROW Line Depiction from Record Maps Calculation and plotting of FDOT Right-of-Way lines onto the survey drawing based solely on FDOT ROW map records, stationing, and offsets from the roadway baseline per FDOT construction plans (FID 435760 1 52 01). ROW lines to be shown with appropriate labeling and a mandatory survey note clarifying that ROW lines are record-based and that no field boundary survey of FDOT right-of-way has been performed. No monuments set or recovered; no metes-and-bounds legal description prepared for FDOT ROW.	2	4				$649.66
Add-3.2 — CAD Integration & Updated Deliverable Package Integration of all FDOT road section field data (topo, drainage, utility appurtenances, and record ROW lines) into the AutoCAD Civil 3D base map and DTM prepared under the original proposal. Update of the signed-and-sealed survey drawing to incorporate the addendum corridor. Revision of Construction Area Alternative plan sheets (Alternatives 1 and 2) as needed to reflect the FDOT ROW section. Reissuance of all deliverables incorporating addendum data per original deliverable format and Chapter 5J-17, F.A.C.	2	6		1		$873.34

ADDENDUM NO. 1 — TOTAL ESTIMATED FEE	$3,574.72
COMBINED TOTAL — Original Proposal + Addendum No. 1 (Reference Only)	$40,835.38

NOTES, ASSUMPTIONS & EXCLUSIONS — ADDENDUM NO. 1

1. *This scope covers FDOT Right-of-Way only. No boundary survey, monument recovery, or legal description is included for FDOT ROW limits.*
2. *FDOT ROW lines depicted hereon are based solely on FDOT Right-of-Way Maps and record documents. They are shown for informational purposes only.*
3. *Horizontal and vertical control (NAD 83(2011) / NGVD29) established under the original proposal — NO additional control mobilization required.*
4. *Field time: 1 full day (8 hrs) — active intersection environment. MOT coordination with FDOT District 6 and Town of Miami Lakes required prior to mobilization.*
5. *Maintenance of Traffic (MOT) plan, flagging, or lane closure permits, if required by FDOT or Miami-Dade County, are NOT included and would be an additional cost.*
6. *FDOT ROW Maps and Project FID 435760 1 52 01, Exhibit B to be furnished by Town of Miami Lakes or FDOT District 6 prior to CAD drafting.*
7. *All work performed in conformance with Chapter 5J-17, F.A.C. and Chapter 472, F.S.*
8. *Original proposal fee reference: $51,537.42 (Boundary, Topo & Utility— 30.33 Ac.). Combined total shown above is for reference only.*
9. *All hours and fees are estimates only. Quote valid 90 days from date of preparation.*