CONSULTANT WORK ORDER PROPOSAL

Submitted: September 30, 2025
Revised: October 8, 2025
October 17, 2025

Darlin Perez, P.E.
City of Doral
Chief of Engineering
8401 NW 53 Terrace
Doral, FL 33166

Re: Roadway and drainage improvements at four (4) separate locations
Scope of Work and Fee Proposal
Design Services

Dear Ms. Perez,

In accordance with City of Doral's request, CHA Consulting, Inc. proposes to provide the services identified below for the project titled "Roadway and drainage improvements at four (4) separate locations", pursuant to its Continuing Professional Services Agreement No. RFQ_2023-08 with the City of Doral.

I. GENERAL

The Consultant is to provide investigation, analysis, permitting, utility coordination, environmental services, and civil engineering services necessary for roadway improvements consisting of milling and resurfacing, concrete sidewalk and driveways, ADA curb ramps, signing and pavement markings, and associated drainage improvements at the locations specified below. Refer to Figure 1 for Location Maps:

- **Location 1: NW 88th Ave and NW 15th Street**
  Milling and resurfacing, signing and pavement markings including "No Parking" signage, and construction of drainage improvements. Implementation of designated parking spaces on both sides of the roadway, delineation of a traffic circle by striping at the cul-de-sac to prevent illegal parking within the City's right-of-way, and installation of a guardrail at the north end of the roadway. Auto Turn analysis will be performed at this location to ensure emergency vehicle access is provided.
  The approximate project site area is 27,850 SF, with an approximate length of 325 feet and an average width of 100 feet.

- **Location 2: NW 89th Ct and NW 13th Terrace**
  Milling and resurfacing (if applicable), installation of signing, pavement markings including "No Parking" signage, as well as drainage improvements within the cul-de-sac area.
  The approximate project site area is 25,800 SF, with an approximate length of 310 feet and an average width of 84 feet.

- **Location 3: NW 109th Ave and NW 51st Street**
  Milling and resurfacing of the roadway (if applicable), installation of signing and pavement markings, reconstruction of sidewalks and ADA ramps, and drainage improvements consisting of vertical adjustments to eliminate drop-off hazards. No impacts to the existing drainage system are anticipated. The project also includes landscape improvements consisting of root barrier installation to protect trees adjacent to the roadway from impacts associated with the sidewalk work.
  The approximate project site area is 26,500 SF, with an approximate length of 250 feet and a width of 50 feet.

- **Location 4: NW 114th Ave and NW 43rd Terrace**
  Roadway regrading and modifications to the existing drainage structure to ensure that runoff from the island is captured and directed away from the crosswalk.
  The approximate project site area is 4,800 SF, with an approximate length of 125 feet and a width of 35 feet.

All maps, plans and designs are to be prepared with English values in accordance with the FDOT Plans Preparation Manual and CADD Production Criteria Handbook. The Consultant is to provide all CADD and PDF project files to the city at the conclusion of the project.

II. SCOPE OF WORK

Task 1: Topographic Survey & Mapping

See attached Exhibit B with Scope of Work from our sub-consultant Longitude Surveyors, LLC

- **Location 1: NW 88th Ave and NW 15th Street**
  The approximate project site area is 27,850 SF, with an approximate length of 325 feet and an average width of 100 feet.
- **Location 2: NW 89th Ct and NW 13th Terrace**
  The approximate project site area is 25,800 SF, with an approximate length of 310 feet and an average width of 84 feet.
- **Location 3: NW 109th Ave and NW 51st Street**
  The approximate project site area is 26,500 SF, with an approximate length of 250 feet and a width of 50 feet.
- **Location 4: NW 114th Ave and NW 43rd Terrace**
  The approximate project site area is 4,800 SF, with an approximate length of 125 feet and a width of 35 feet.

Task 2: Geotechnical Investigation
See attached Exhibit D with Scope of Work from our sub-consultant Geosol, Inc.

Task 3: Roadway Analysis / Roadway Plans
The CONSULTANT shall analyze and document Roadway Tasks in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

Pavement Design Package
Not included.

Horizontal / Vertical Master Design Files
Design the geometrics using the design standards that are most appropriate with proper consideration given to the design traffic volumes, design speed, capacity and levels of service, functional classification, adjacent land use, design consistency and driver expectancy, aesthetics, pedestrian and bicycle concerns, ADA requirements, elder road user policy, access management, preliminary documents provided by the City and scope of work.

Cross Section Design Files
Roadway cross sections will be provided every 25 feet for locations 1 and 2. Proposed grades will be reflected in Grading and Drainage Plan for locations 3 and 4.

Quantities
Prepare summary of quantity plan sheets ensuring quantities are clearly referenced in the plans.

Cost Estimate
Provide Engineer's Opinion of Probable Construction Cost Estimate at 60%, 90% and 100% stage with corresponding pay items. Cost estimates will be based on FDOT's Historical Cost data.

Field Reviews
Perform one (1) site visit. Provide dated photographic documentation.

Quality Assurance/Quality Control
The CONSULTANT shall be responsible for the professional quality, technical accuracy and coordination of all surveys, designs, drawings, specifications and other services furnished by the CONSULTANT under this contract.

Design Coordination
Coordinate with all disciplines and subconsultants during the design process.

Roadway Plans
Prepare Roadway, Drainage, Traffic Control, Utility Adjustment Sheets, plan sheets, notes, and details. The plans shall include the following sheets necessary to convey the intent and scope of the project for the purposes of construction.

One (1) set of plans for the four (4) locations will be prepared.

- **Key Sheet**
- **Summary of Quantities/Pay Items**
- **Typical Section Sheets**
- **General Notes / Pay Item Notes**
- **Roadway Plan**
- **Grading and Drainage Sheets**
- **Special Details**
- **Utility Adjustment Sheets**
- **Stormwater Pollution Prevention Plan (SWPPP)**
- **Signing and Pavement Markings Plans**
- **Miscellaneous Details**

Anticipated submittals are:

- 60% Submittal - Plans production
- 90% Submittal - Construction Plans Production
- 100% Submittal - Construction Plans Production.

Task 4: Drainage Analysis / Drainage Plans

Analyze and document Drainage Tasks in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

Data collection
Gather and review existing as-built plans and available documentation.

Drainage Map Hydrology
Develop a working drainage map showing drainage basin data needed to define the system hydrology and project area. No plan sheet will be included.

Design of Storm Drains
Design and Plan production of stormwater manhole and catch basins including hydraulic analysis. Coordinate fully with the appropriate permitting agencies and the City of Doral's staff. All activities and submittals should be coordinated through the City's Project Manager.

Drainage cross sections will be provided for all 4 locations.

Optional Culvert Material
Provide a Culvert Service Life Estimator analysis for pipe materials based on environmental soil considerations.

French Drain Design

Research existing French Drains within project limits that are to remain. Calculate length of French Drain required according to level of service requirements (using ICPR analysis). The Level of Service requirements are as follows:

Drainage tributary areas will include the streets and 20' frontages of private property on either side.

a. Rational method using a 5-year storm up to a 24-hour duration (volumetric design) with infiltration. The system should not pond over the lowest inlet elevation.
b. Flood routing method using a 5-year 1-hour storm (FDOT 1-hour distribution) with infiltration. The system should not pond over the lowest inlet distribution.
c. Design the system for the 25-year, 6-hour storm event with on-site retention/no off-site runoff.

Drainage Design Documentation Report

Compile drainage design documentation into report format. Include documentation for all the drainage design tasks and associated meetings and decisions. This report will provide documentation of the existing drainage and permit conditions within the project areas, identification of the drainage and/or permit requirements, analysis of the proposed improvements. One report for the four (4) locations will be prepared.

Field Reviews

Perform one (1) site visit. Provide dated photographic documentation.

Technical Meetings

One (1) meeting with city staff.

Drainage Coordination

Coordinate with relevant agencies and all disciplines during the design process. Provide the necessary coordination with the geotechnical sub-consultant to complete drainage analysis and report. The Consultant shall verify with Miami-Dade County DERM the contaminated areas where infiltration trenches or other drainage improvements are not permitted without environmental remediation.

Drainage Plans

The Consultant must provide all applicable drawings and details for all drainage components of the project included in Task 4. Drainage quantities will be reflected in the Summary of Quantities/Pay Items. The drainage plan should provide table of quantities ensuring each quantity is clearly referenced and easy to locate in the plans.

Drainage Plans Quality Assurance/Quality Control (QA/QC)

Submit QA/QC set for all design work at each phase submittal.

Task 5: Utility Coordination

Identify utility facilities and secure agreements, utility work schedules, and plans from the Utility Agency Owners (UAO) ensuring no conflicts exist between utility facilities and the City's construction project. Certify all utility negotiations have been completed with arrangements made for utility work to be undertaken.

Identify Existing Utility Agency Owners (UAO)s
Identify all utilities in the corridor; check with the City of Doral Public Works for Permits, Sunshine State One Call, Subsurface Utility Engineering (SUE) (commonly known as Soft Digs) Report, Design Location Survey, and Existing Plans.

Make Utility Contacts
Send plans and letters to each utility company, requesting their proposed system betterments and markups the plans.

Individual / Field Meetings
One (1) field meeting anticipated. Includes travel time.

Collect and Review Plans and Data from UAO(s)
Analyze and include relevant data in construction documents as necessary.

Utility Design Meeting
Not included.

Review Utility Markups and Work Schedules and Processing of Schedules and Agreements
Review utility marked up plans individually as they are received for content and coordinate review with the designer.

Utility Coordination / Follow-up
This includes follow-up, interpreting plans, and assisting and the completion of the UAO(s) work schedule and agreements. Prepare at each submittal phase an updated utility coordination matrix.

Task 6: Signing and Pavement Marking Analysis and Plans
Analyze and document Signing and Pavement Markings Tasks in accordance with all applicable manuals (latest editions), guidelines, standards, handbooks, procedures and current design memorandums as required by the MUTCD, City of Miami, Miami-Dade County and Florida Department of Transportation (FDOT).

Reference and Master Design File
Prepare the Signing & Marking Design file to include all necessary design elements and all associated reference files.

Quantities

Prepare the quantities for signing and pavement markings as per latest FDOT Standards and various summaries of quantity sheets. This includes all efforts required to develop the backup calculations supporting documentation.

Signing and Pavement Markings Plans

Prepare Signing and Pavement Markings plan sheets, notes, and details. The plans shall include the following sheets necessary to convey the intent and scope of the project for the purposes of construction:

- **Pavement Marking & Signage General Notes**
- **Pavement Marking & Signage Plans**
- **Pavement Marking & Signage Details**
- **Pavement Marking & Signage Quantities**

Task 7: Roadway and Drainage Permits

The CONSULTANT shall coordinate with the permitting agencies with jurisdiction, prepare and submit permit packages as required, and respond to all RFIs to obtain all necessary roadway and drainage permit approvals. Permit fees will be paid by the city and are not included in this proposal.

Anticipated permits required are:

- Miami-Dade County DERM – Drainage Plan Review (for self-contained systems)
- Miami-Dade County DTPW - Traffic Engineering review for Signing and Pavement markings.

Task 8: Project General Tasks

Prime Consultant Project Management Meetings

This task includes only the Prime Consultant Project Manager's time for attendance to miscellaneous review meetings, progress meetings and preparation of meeting minutes, and other coordination activities. Includes 4 meetings: kickoff meeting with the city, kickoff meeting with subconsultants and 2 phase review meetings with the city.

Contract Maintenance

This task includes project management efforts, developing technical progress reports, schedule updates and compilation and submittal of project documentation.

Specification Package Preparation

Not included.

Task 9: Subsurface Utility Engineering (SUE) – Optional Service

Five (5) test holes are anticipated. City of Doral will advise if needed. Refer to Exhibit C for detailed Subsurface Utility Engineering (SUE) scope provided by our sub-consultant Longitude Surveyors, Inc.

Task 10: Landscape Architecture – Optional Service

City of Doral will advise if needed. Refer to Exhibit F for detailed Landscape Architecture scope provided by our sub-consultant GSLA Design, Inc.

Deliverables

- **60% Submittal**
  - Project survey
  - Roadway Plans
    - Key Sheet
    - General Notes / Pay Item Notes
    - Summary of Quantities/Pay Items
    - Typical Section Sheets
    - Preliminary Roadway Plan
    - Preliminary Grading and Drainage Sheets
    - Stormwater Pollution Prevention Plan (SWPPP)
    - Signing and Pavement Markings Plans
    - Miscellaneous Details
  - Drainage Report
  - Preliminary Opinion of Probable Cost

- **90% Submittal**
  - Project survey
  - Roadway Plans
    - Key Sheet
    - General Notes / Pay Item Notes
    - Summary of Quantities/Pay Items
    - Typical Section Sheets
    - Roadway Plan
    - Grading and Drainage Sheets
    - Special Details
    - Utility Adjustment Sheets
    - Stormwater Pollution Prevention Plan (SWPPP)
    - Signing and Pavement Markings Plans
    - Miscellaneous Details
  - Drainage Report
  - Opinion of Probable Cost

- **100% Submittal**
  - Signed and sealed project survey
  - Signed and Sealed Roadway Plans
    - Key Sheet
    - General Notes / Pay Item Notes
    - Summary of Quantities/Pay Items
    - Typical Section Sheets

        - Preliminary Roadway Plan
        - Preliminary Grading and Drainage Sheets
        - Special Details
        - Utility Adjustment Sheets
        - Stormwater Pollution Prevention Plan (SWPPP)
        - Signing and Pavement Markings Plans
        - Miscellaneous Details
    - Signed and sealed Drainage Report
    - Opinion of Probable Cost
    - Miami-Dade County permit approvals for drainage and signing and pavement markings.

Exclusions

- Traffic Control Analysis
- Post-design services
- Public involvement
- Technical Specifications
- As-built survey
- Permit fees
- Any environmental assessments or remediation.

III. SUBCONSULTANTS

The below listed Sub-Consultants will assist in the performance of the Work.

Sub-Consultant Name	**Specialty or Expertise**
Longitude Surveyors, LLC	Survey and SUE (optional service)
Geosol, Inc.	Geotechnical Engineering
GSLA Design	Landscape Architecture (optional service)

IV. SCHEDULE OF WORK – TIME OF PERFORMANCE

Consultant shall submit the Deliverables and perform the Work as depicted in the tables below

Task or Activity ID #	***Task Name and/or Activity Description***	***Projected Start Date***	***Duration*** *(weeks)*	***Projected Finish Date****
1	*Preliminary Investigations, Field Reviews, Technical Meetings*	*NTP*	*2*	*NTP + 2 weeks*
2	*Topographical Survey*	*NTP*	*2*	*NTP + 2 weeks*
3	*Geotechnical Testing*	*NTP*	*3*	*NTP + 3 weeks*

Task or Activity ID #	***Task Name and/or Activity Description***	***Projected Start Date***	***Duration*** *(weeks)*	***Projected Finish Date****
4	*60% Roadway, Drainage, Signing & Pavement Markings*	*NTP +2 weeks*	*8*	*NTP + 10 weeks*
5	*90% Roadway, Drainage, and Signing & Pavement Markings*	*NTP +10 weeks*	*4*	*NTP + 14 weeks*
6	*DERM and DTPW Permitting*	*NTP +14 weeks*	*4*	*NTP + 18 weeks*
7	*100% Roadway-Drainage and Signing & Pavements Markings.*	*NTP + 18 weeks*	*4*	*NTP + 22 weeks*
Total Project Duration = 22 weeks = 154 calendar days				

An updated schedule, indicating actual delivery dates, based on the listed durations, will be provided to the City upon receipt of NTP. The above durations include 2 weeks duration for review time by the city between each submittal.

V. COMPENSATION

The Consultant shall perform the work described in this proposal on a **time and material** basis with a not to exceed amount of **$93,653.87** for **basic professional services**. An additional amount **$13,524.77** is allocated for **optional services**, which shall only be utilized upon written approval from the City.

SUMMARY OF COMPENSATION			
Task or Activity ID #	**Major Task Name and/or Activity Description**	**Fee Amount**	**Fee Basis**
	Professional Engineering Services		
1	Topographical Survey	$17,731.70	Time and Material
2	Geotechnical Testing	$9,898.32	Time and Material
3	Construction Documents (60% Submittal)	$39,614.31	Time and Material
4	Construction Documents (90% Submittal)	$19,807.16	Time and Material
5	100% Submittal	$6,602.39	Time and Material
	Subtotal Basic Professional Fees (Lump Sum)	**$93,653.87**	**Time and Material**
6	Subsurface Utility Engineering (SUE) (Optional Service)	$5,250.00	Time and Material
7	Landscape Architecture (Optional Service)	$5,774.77	Time and Material
8	Arborist report (Optional Service)	$2,500.00	Time and Material
	Subtotal Optional Services Fees	**$13,524.77**	**Time and Material**
	Total Contract Amount	**$107,178.64**	**Time and Material**

Submitted by:

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Angela Baron-Ruiz, P.E.
Senior Project Manager
CHA Consulting, Inc.

Review and approval in concept recommended by:

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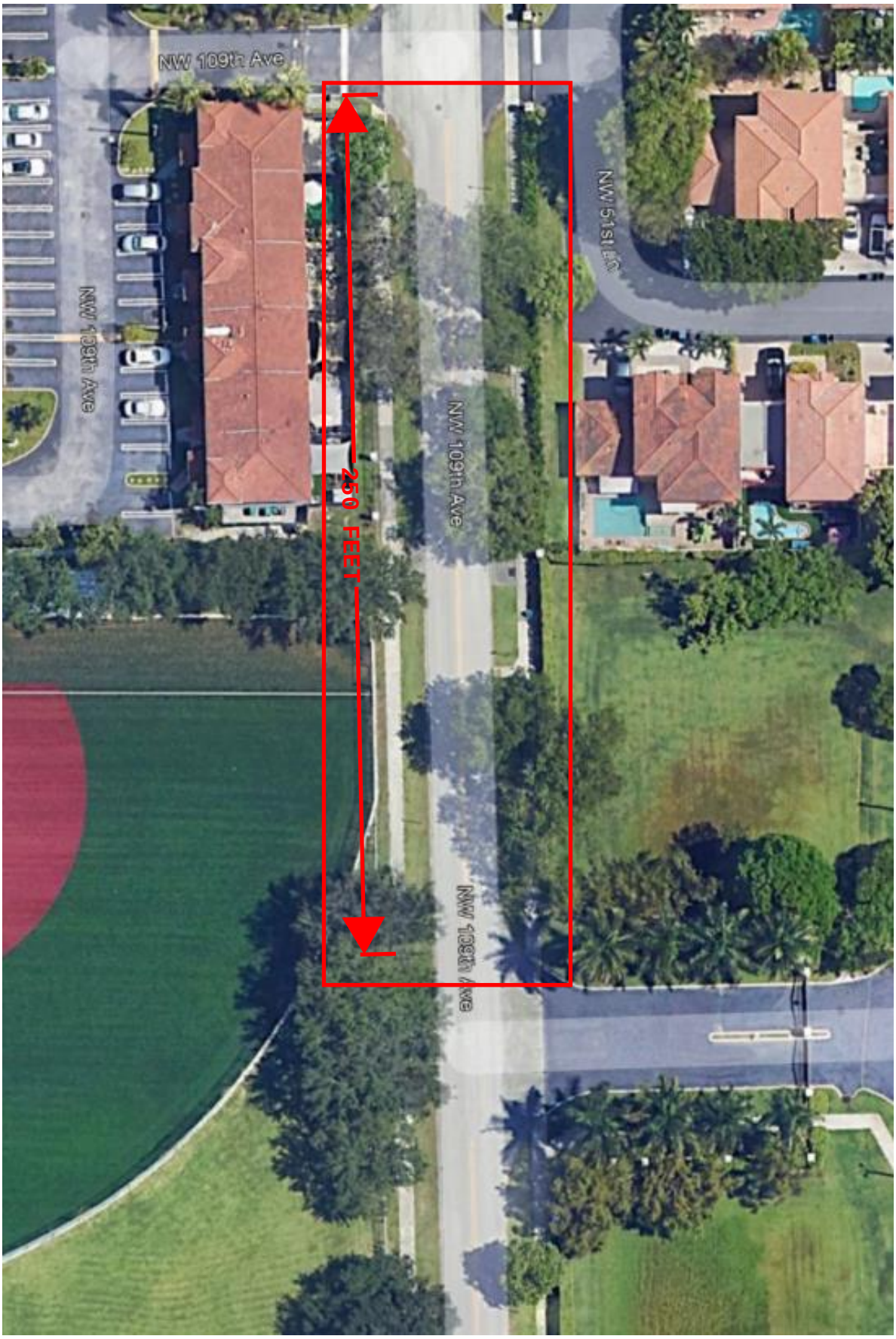
Darlin Perez, P.E.
City of Doral Chief of Engineering

FIGURE 1
LOCATION MAPS

LOCATION 1: NW 15TH STREET AND NW 88TH AVE

LOCATION 2: NW 13TH TERRACE AND NW 89TH COURT

LOCATION 3: NW 51ST STREET AND NW 109TH AVENUE



LOCATION 4: NW 114TH AVENUE AND NW 43RD TERRACE

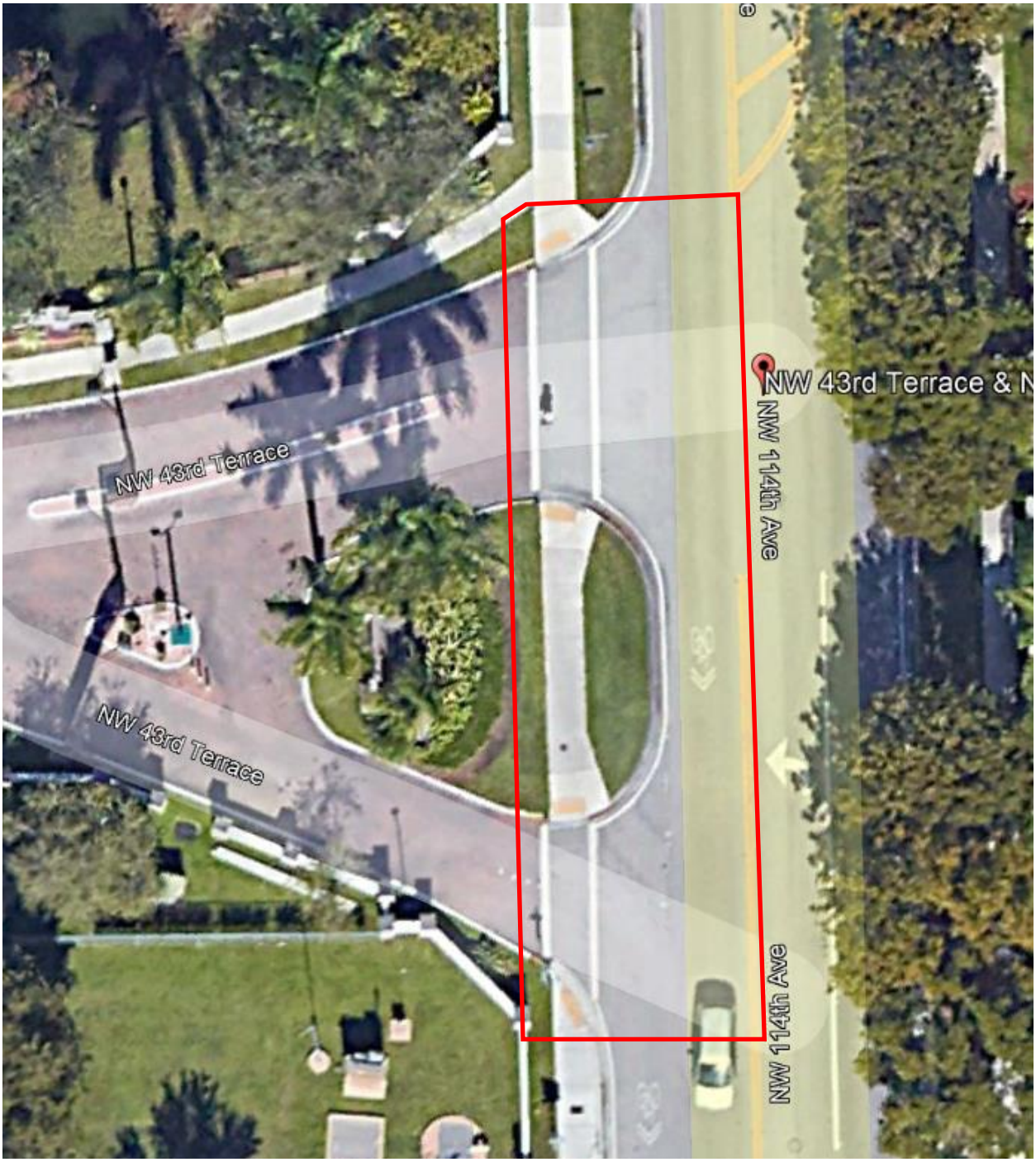


EXHIBIT A
FEE PROPOSAL
PRIME CONSULTANT

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Consultant Name: CHA Consulting, Inc.
Contract No.: RFQ 2023-08
Project: Roadway and drainage improvements at four (4) separate locations
Date: October 17, 2025

Description: Roadway, signing and pavement markings, drainage.
Estimator: Angela Baron-Ruiz, P.E.; Alejandro Leon, P.E.

	STAFF CLASSIFICATION										
Job Classification	**Project Manager**		**Senior Engineer**		**Project Engineer**		**CADD Technician**		**Staff Hours**	**Salary**	**Average**
Applicable Rate	**Rate:**	**$257.80**	**Rate:**	**$238.40**	**Rate:**	**$199.85**	**Rate:**	**$125.15**	**By**	**Cost By**	**Rate Per**
Work Activity	Man hours	Cost/ Activity	Man hours	Cost/ Activity	Man hours	Cost/ Activity	Man hours	Cost/ Activity	**Activity**	**Activity**	**Task**
Roadway Analysis & Roadway Plans			24	$5,722	48	$9,593	91	$11,389	163	$26,703.05	$163.82
Drainage Analysis & Drainage Plans			14	$3,338	32	$6,395	58	$7,259	104	$16,991.50	$163.38
Utility Coordination					15	$2,998	20	$2,503	35	$5,500.75	$157.16
Signing & Pavement Markings Analysis			4	$954	12	$2,398	23	$2,878	39	$6,230.25	$159.75
Signing & Pavement Markings Plans			4	$954	8	$1,599	20	$2,503	32	$5,055.40	$157.98
Roadway and Drainage Permits			2	$477	6	$1,199			8	$1,675.90	$209.49
Project General Tasks	15	$3,867							15	$3,867.00	$257.80
Total Staff Hours	15		48		121		212		396		
Total Staff Cost		$3,867.00		$11,443.20		$24,181.85		$26,531.80		**$66,023.85**	**$166.73**
Total % of Work by Position	3.8%		12.1%		30.6%		53.5%				

	1 - SUBTOTAL - PRIME CONSULTANT:	**$66,023.85**
	Subconsultant: Longitude Surveyors (Survey)	$17,731.70
	Subconsultant: Geosol (Geotechnical)	$9,898.32
	Subconsultant:	
	2 - SUBTOTAL - BASIC SERVICES:	**$93,653.87**
$1,050 /test hole	Subconsultant: Longitude Surveyors (SUE)	$5,250.00
	Subconsultant: GSLA (Landscape Architecture)	$5,774.77
	Subconsultant: GSLA (Arborist)	$2,500.00
	Subconsultant:	
	3 - SUBTOTAL - OPTIONAL SERVICES:	**$13,524.77**
	GRAND TOTAL ESTIMATED FEE:	**$107,178.64**

3. Roadway Analysis

Roadway and drainage improvements at four (4) separate locations

Task No.	Task	Units	No of Units	Hours / Unit	Total Hours	Comments
3.1	Pavement Design Package	LS				Not included.
3.2	Horizontal /Vertical Master Design Files	LS	4	9	36	Includes design of roadway, sidewalk, hardscape, amenities, curb and gutter, etc., roadway profile development, and development of design reference files.
3.3	Cross Section Design Files	LS	26	1	26	Develop cross sections at 25' spacing for locations 1 and 2: Location 1 = 325 LF/25 = 13 cross sections x 1 hr each Location 2 = 310 LF/25 = 13 cross sections x 1 hr each
3.4	Traffic Control Analysis	LS				Not included.
3.5	Design Report	LS				Not needed
3.6	Computation of Quantities	LS	4	2	8	Include effort to determine quantities for placement in the various Summary of Quantities Sheets.
3.7	Cost Estimate	LS	3	3	9	Estimate at each phase submittal
Roadway Analysis Technical Subtotal					**79**	
3.10	Field Reviews	LS	4	1	4	1 engineer + 1 hr travel time x 1 hr per site x 4 sites = 4 hrs
2.80	Technical Meetings	LS	1	1	1	Meeting with City of Doral
3.11	Quality Assurance/Quality Control	LS	%	5%	4	
4.17	Independent Peer Review	LS				
2.10	Supervision	LS				
Roadway Analysis Nontechnical Subtotal					**9**	
3.12	Coordination	LS	%	3%	2	
3. Roadway Analysis Total					**88**	

3. Roadway Plans

Roadway and drainage improvements at four (4) separate locations

Task No.	Task	Scale	Units	No. of Units	Hours / Unit	Total Hours	
3.1	Key Sheet		Sheet	1	4	4	
3.2	Summary of Pay Items		Sheet	4	2	8	Develop/maintain for all phases. 4 locations x 3 phases x 1.5 hrs/phase
3.3	Typical Section Sheets		Sheet	1	8	8	
3.4	General Notes/Pay Item notes			1	4	4	
3.5	Plan Sheets	20	Sheet	6	4	24	4 locations - avg. 6 hrs per sheet
3.6	Miscellaneous Detail Sheets		Sheet	2	4	8	Anticipated detail for the traffic island; feathering detail; curb pad detail.
3.7	Roadway Soil Survey Sheet per FDOT Specs		Sheet				Provided by Geotechnical Sub-Consultant
3.8	Cross Sections	20/10	EA	26	0.5	13	13 sheets. Includes minor labeling and modifications to sections.
3.9	Traffic Control Plan Sheets		Sheet				Not included. To be performed in construction phase.
3.10	Traffic Control Detail Sheets		Sheet				Not included. To be performed in construction phase.
3.11	Utility Adjustment Sheets		Sheet				Not included
3.12	Selective Clearing and Grubbing		Sheet				Provided by Landscape Architect
3.13	Project Control Network Sheet		Sheet				Not included
3.14	Utility Verification Sheet (SUE data)		Sheet	1	2	2	Generate a Plan sheet from the results obtained from the Utility SUE results.
Roadway Plans Technical Subtotal						**71**	
3.15	Quality Assurance/Quality Control		LS	%	5%	4	
3. Roadway Plans Total						**75**	

4. Drainage Analysis

Roadway and drainage improvements at four (4) separate locations						
Task No.	**Task**	**Units**	**No of Units**	**Hours / Unit**	**Total Hours**	**Comments**
4.1	Drainage Map Hydrology	Per Map	3	1	3	
4.2	Data collection	Per Floodplain Basin	4	0.5	2	Gather and review existing as-built plans and available documentation.
4.3	Design of Storm Drains	EA	8	1.5	12	Storm drain description including conflicts. No cross-sections will be provided. Anticipated 2 inlets at location 1, 1 inlet at location 2, modifications to 4 inlets at location 3, modifications to 1 structure at location 4.
4.4	Optional Culvert Material	EA	1	0.5	1	Culvert Service Life Estimator analysis
4.5	French Drain Design	EA	3	2	6	Anticipated 2 FD segments at location 1, 1 FD segment at location 2.
4.6	Drainage Design Documentation Report	LS	1	24	24	-Prepare document outlining improvements -Drainage calculations
4.7	Cost Estimate	LS				Included in Task 2.9
Drainage Analysis Technical Subtotal					**48**	
4.8	Field Reviews	LS	1	5	5	1 engineer x 1 hr per site x 4 sites + 1 hr travel time = 4 hrs
4.9	Technical Meetings	LS	1	1	1	Meeting with City of Doral
4.10	Quality Assurance/Quality Control	LS	%	5%	2	
Drainage Analysis Nontechnical Subtotal					**8**	
4.11	Coordination	LS	%	3%	1	
4. Drainage Analysis Total					**57**	

4. Drainage Plans

Roadway and drainage improvements at four (4) separate locations

Task No.	Task	Scale	Units	No. of Units	Hours / Unit	Total Hours	Comments
4.1	Drainage Map	40	Sheet	4	1	4	Drainage map to be included in Drainage Report
4.2	Summary of Drainage Structures Sheet (Drainage Quantities)		Sheet	1	8	8	
4.3	Optional Pipe/Culvert Material			1	1	1	
4.4	Drainage Structure Cross sections Sheets (Per Structure)		EA				Not included. Structure description will be included in Grading and Drainage plans
4.5	Grading and Drainage Sheets	20	Sheet	6	4	24	
4.6	Miscellaneous Drainage Detail Sheets		Sheet	1	2	2	French drain detail
4.7	SWPPP Sheets		Sheet	2	2	4	
					Drainage Plans Technical Subtotal	**43**	
4.8	Quality Assurance/Quality Control		LS	%	5%	2	
					4. Drainage Plans Total	**45**	

5. Utility Coordination

Roadway and drainage improvements at four (4) separate locations

Task No.	TASK	Units	No of Units	Hours / Unit	Total Hours	Comments
5.1	Identify Existing Utility Agency Owners (UAOs)	LS	4	0.5	2	Estimated 6 total utilities (4 locations x 0.5 hr/location)
5.2	Make Utility Contacts	LS	6	2	12	6 utilities x 1 hr (first contact) + 6 utilities x 1 hrs (final coordination)
5.3	Individual/Field Meetings	LS	1	3	3	1 meetings (Assume at least 1 company would like to meet in the field) x 1 hr preparation + 1 hrs travel + 1 hrs meeting
5.4	Collect and Review Plans and Data from UAO(s)	LS	6	1	6	1 hrs x 6 utilities
5.5	Utility Design Meeting	LS				Not included
5.6	Review Utility Markups, Work Schedules, Processing of Schedules and Agreements	LS	1	6	6	1 hr. x 6 utilities
5.7	Utility Coordination / Follow-up	LS	6	1	6	1 hrs x 6 utilities x 1 complexity factor
				5. Utilities Total	**35**	

6. Signing & Marking Analysis

Roadway and drainage improvements at four (4) separate locations

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
6.1	Reference and Master Design File	LS	4	5	20	4 locations 5 hrs per location
6.2	Quantities	LS	4	2	8	
6.3	Other Signing and Pavement Marking	LS	4	2	8	Permit coordination with Miami-Dade County
Signing & Pavement Marking Analysis Technical Subtotal					**36**	
6.4	Quality Assurance/Quality Control	LS	%	5%	2	
Signing & Pavement Marking Analysis Nontechnical Subtotal					**2**	
6.5	Coordination	LS	%	3%	1	
6. Signing & Pavement Marking Analysis Total					**39**	

6. Signing & Marking Plans

Roadway and drainage improvements at four (4) separate locations

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	Total Hours	Comments
6.1	Key Sheet		Sheet				Not Needed
6.2	General Notes / Pay Item Notes						Included on Roadway Notes
6.3	Plan Sheet	20	Sheet	6	4	24	Effort required to create Signing and Marking Sheets.
6.4	Special Details		EA	1	6	6	Location 1: parking spaces and traffic island.
Signing & Pavement Marking Plans Technical Subtotal						**30**	
6.5	Quality Assurance/Quality Control		LS	%	5%	2	
6. Signing & Pavement Marking Plans Total						**32**	

Project Activity 7. Roadway & Drainage Permits

Roadway and drainage improvements at four (4) separate locations

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
7.1	Preliminary Project Research	LS				No existing permits
7.2	Complete And Submit Drainage Permit Applications	LS	1	8	8	Permit application, coordination and RFI response ith Miami-Dade DERM for 1 drainage permit for the 4 locations
Environmental Permits Technical Subtotal					**8**	
7.3	Technical Meetings	LS				
7.4	Quality Assurance/Quality Control	LS	%	5%		
Environmental Permits Nontechnical SubTotal						
7.5	Coordination	LS	%	3%		
7. Environmental Permits Total					**8**	

Project Activity 8. Project General Task

Roadway and drainage improvements at four (4) separate locations

Task No.	Task	Unit	No of Units	Hours / Unit	Total Hours	Comments
8.1	Prime Consultant Project Manager Meetings	LS	4	1	4	2 meetings with city Kickoff meeting with city - 1 meeting x 1 hr Internal kickoff meeting - 1 meeting x 1 hr
8.2	Contract Maintenance	LS	1	11	11	Initial set-up estimated at 2 hours +1 hour per month for update/maintenance + 2 hours for final project documentation. Assumed 7 month duration.
8.3	Specification Package Preparation	LS				Not included
8.4	Field Reviews	LS				
8. General Tasks Total					**15**	

EXHIBIT B
LONGITUDE SURVEYORS
TOPOGRAPHIC SURVEY

LONGITUDE SURVEYORS

Surveying and Mapping
3D Scanning
Subsurface Utility Engineering (SUE)
Drone Services (UAS)

Wednesday, October 08, 2025

Ms. Angela M. Baron-Ruiz, PE*, ENV SP
Senior Project Manager | Senior Engineer
abaron@chasolutions.com
CHA
8935 Northwest 35 Lane, Suite 200
Doral, FL 33172
786.257.3084

RE: Surveying and Mapping services for the segments of roadways throughout multiple locations located within Doral, FL.

Dear Ms Baron-Ruiz,

According to your request regarding a fee estimate for Surveying and Mapping services for the above-referenced project, LONGITUDE SURVEYORS, LLC (LS) is pleased to submit the following proposal for your consideration. LS understands that the Client is requesting these services for design purposes.

A. SCOPE OF WORK – TOPOGRAPHIC SURVEY:

- LS will show rights-of-way computing field evidence, plats, deeds, and other documentation relative to the project. Lot lines and ownership lines, including locations, bearings, and dimensions, within the survey limits, will be shown graphically.
- LS will show any easements, covenants, restrictions, etc., found on plats, deeds, and other public records relative to the project. However, without a Title Commitment or Title Search, there is no guarantee that easements, covenants, restrictions, etc., will be shown on the survey.
- LS will establish horizontal and vertical control within the limits of the survey.
- The survey will be geo-referenced to the Florida State Plane Coordinate System based on the North American Datum of 1983 (NAD83). Elevations will be referenced to the North American Vertical Datum of 1988 (NAVD88).
- LS will collect significant aboveground improvements, including, but not limited to, pavement, edge of pavement lines, pavement markings, curb and gutters, sidewalks, walkways, driveways, medians, fences and gates, walls, columns, buildings, planters, hedges, concrete slabs, guardrails, ramps, ADA ramps, signs, bollards, manholes, catch basins, utility boxes, utility vaults, utility poles, and any other significant aboveground improvements and utilities within the survey limits.
- LS will locate trees and palms with a three (3) inch diameter or greater, or are twelve (12) feet in height or more significant. Tree identification and/or a tree table will not be provided.
- Elevations equivalent to a twenty-five (25) foot grid will be collected throughout the survey limits. Additional elevations will be collected to identify grade changes and features of interest within the survey limits.
- LS will collect existing drainage and sanitary structures and show rim elevation, structure bottom elevation, pipe size, pipe material, pipe direction, direction of water flow, and inverts. *Please Note: LS requests that the Client contact the corresponding city/department where the survey will be performed to ensure the structures are cleaned correctly. Alternatively, the Client may provide a contact for the city/department so that LS can reach out directly to have them cleaned before the commencement of any work.*
- A Digital Terrain Model (DTM) of the resulting survey **will** be provided. Please note that LS **will not** show elevations of fences, gates, trees, etc. on the DTM, as the Client requested.

B. SURVEY LIMITS:

The limits are per the attached Exhibits outlining **Locations 1-4**, extending approximately ten (10) feet beyond the public right-of-way wherever feasible, for every location.

C. DELIVERABLES:

LS will provide a digitally signed and sealed PDF and a Civil 3D CAD file of the resulting survey. Signed and sealed hard copies can be provided upon request.

D. TIME & COST:

The total professional fee to complete the **Scope of Work** described herein shall be on a *Time and Materials* basis, **not to exceed** the following amounts and estimated completion times:

- **Location 1 –** The lump sum of **$5,023.27.** LS has an estimated eight (8) business days to complete this location.
- **Location 2 –** The lump sum of **$5,023.27.** LS has an estimated eight (8) business days to complete this location.
- **Location 3 –** The lump sum of **$5,023.27.** LS has an estimated eight (8) business days to complete this location.
- **Location 4 –** The lump sum of **$2,661.89.** LS has an estimated six (6) business days to complete this location.

Billing for services will be based on the following hourly rates:

Job Classification	**Rate per Hour**
Senior Surveyor and Mapper	$202.62
Surveyor and Mapper	$165.92
Survey Technician	$116.24
Survey Field Crew (8HR Day) Crew of 2	$1,697.22

Please note that the estimated completion time begins once the Notice to Proceed (NTP) has been provided and can be revised with the Client and LS Project Manager should multiple locations be accepted. Notice to Proceed (NTP) is considered adequate twenty-four (24) hours after this proposal agreement has been executed and returned to the undersigned.

I agree that by signing below, "I APPROVE AND ACCEPT," this proposal is a legally binding contract.

By: _____ Date: _____
(Authorized Signature)

_____ Title: _____
(Typed or printed name)

On behalf of the firm, I thank you for the opportunity to present this proposal. We look forward to utilizing our best professional efforts on your behalf on this very important project.

Respectfully Yours,

Eduardo M. Suarez, PSM/President

Location 1

Approximate Survey Limits

Legend

Google Earth

N

100 ft

Location 2

Approximate Survey Limits

Legend

Google Earth

100 ft

N

Location 3

Approximate Survey Limits

Legend

Google Earth

N

100 ft

Location 4

Approximate Survey Limits

Legend

Google Earth

N

80 ft

EXHIBIT C
LONGITUDE SURVEYORS
SUBSURFACE ENGINEERING (SUE)

OPTIONAL SERVICE

LONGITUDE SURVEYORS

Surveying and Mapping
3D Scanning
Subsurface Utility Engineering (SUE)
Drone Services (UAS)

Wednesday, October 08, 2025

Ms. Angela M. Baron-Ruiz, PE*, ENV SP
Senior Project Manager | Senior Engineer
abaron@chasolutions.com
CHA
8935 Northwest 35 Lane, Suite 200
Doral, FL 33172
786.257.3084

RE: Subsurface Utility Engineering (SUE) services for the segments of roadways throughout multiple locations located within Doral, FL.

Dear Ms Baron-Ruiz,

According to your request regarding a fee estimate for Subsurface Utility Engineering (SUE) services for the above-referenced project, LONGITUDE SURVEYORS, LLC (LS) is pleased to submit the following proposal for your consideration. LS understands that the Client is requesting these services for design purposes.

A. (OPTIONAL) SCOPE OF WORK – SUBSURFACE UTILITY ENGINEERING (SUE) QUALITY LEVEL "A" SOFT DIGS:

- LS will coordinate and obtain Sunshine 811 dig tickets and mark ten (10) Soft-Dig locations with white paint ("white line") for the utilities.
- LS will coordinate and provide Maintenance of Traffic (MOT) for the ten (10) Soft-Dig locations.
- LS will utilize surface detection equipment such as Electromagnetic Locators and Ground-Penetrating Radar (GPR) to assist in identifying utilities at the ten (10) Soft-Dig locations. These methods are used solely to support the Quality Level "A" Soft-Dig services; no stand-alone Quality Level "B" deliverables are included in this scope.
- LS will perform Quality Level "A" Soft-Dig services at ten (10) locations to expose utilities and collect horizontal positions and vertical elevations of utility tops, while also attempting to obtain utility bottoms, sizes, and material types.
- LS will locate the Soft-Dig horizontal positions referenced to the Florida State Plane Coordinate System based on the North American Datum of 1983 (NAD83) and ground elevations referenced to the North American Vertical Datum of 1988 (NAVD88).
- LS will prepare the Verified Vertical Elevation and Horizontal Location (VVH) report for each Soft-Dig.

B. SURVEY LIMITS:

Client to provide the approximate locations of the proposed soft-digs at the time of Notice to Proceed (NTP). Approximate locations to fall within the attached Exhibits of the four locations.

C. DELIVERABLES:

Soft-dig locations will be designated by the number corresponding to the Vacuum Excavation Reports for each Soft-Dig, along with all pertinent information.

D. TIME & COST:

The total professional fee to complete the **Scope of Work** described herein shall be on a *Time and Materials* basis, **not to exceed** the total amount of **$5,250.00** based on the following hourly rates:

Job Classification	Rate per Hour
Senior Surveyor and Mapper	$202.62
Surveyor and Mapper	$165.92

Survey Technician	$116.24
Survey Field Crew (8HR Day) Crew of 2	$1,697.22

Please note that the estimated completion time begins once the Notice to Proceed (NTP) has been provided and can be revised with the Client and LS Project Manager should multiple locations be accepted. Notice to Proceed (NTP) is considered adequate twenty-four (24) hours after this proposal agreement has been executed and returned to the undersigned.

I agree that by signing below, "I APPROVE AND ACCEPT," this proposal is a legally binding contract.

By: _____ Date: _____
(Authorized Signature)

_____ Title: _____
(Typed or printed name)

On behalf of the firm, I thank you for the opportunity to present this proposal. We look forward to utilizing our best professional efforts on your behalf on this very important project.

Respectfully Yours,

Eduardo M. Suarez, PSM/President

Location 1

Approximate Survey Limits

Legend

Google Earth

N

100 ft

Location 2

Approximate Survey Limits

Legend

Google Earth

100 ft

N

Location 3

Approximate Survey Limits

Legend

Google Earth

N

100 ft

Location 4

Approximate Survey Limits

Legend

Google Earth

N

80 ft

EXHIBIT D
GEOSOL, INC
GEOTECHNICAL SERVICES

CHA
8935 NW 35th Lane, Suite 200
Doral, FL 33172

September 24, 2025
(Revised Sept. 30 & Oct. 6, 2025)

Attention: Ms. Angela M. Baron-Ruiz, PE – Project Manage/Senior Engineer

Re: **Proposal for Geotechnical Services**
Improvements at following four (4) Locations:
Site No. 1: NW 15th St. and NW 88th Ave.,
Site No. 2: NW 13th Ter. and NW 89th Ct.,
Site No. 3: NW 51st St. and NW 109th Ave. and
Site No. 4: NW 114th Ave. and NW 43rd Ter.
City of Doral, Florida
GEOSOL Proposal No. P-225214-R2

Dear Ms. Baron-Ruiz:

In accordance with your request on September 22, 2025, Geosol, Inc. (GEOSOL) is pleased to submit this proposal pertaining to geotechnical services for the above-referenced project.

As we understand it, the City of Doral Beach plans to provide roadway and drainage improvements at the above-referenced four (4) site as part of RFQ 2023-08. As specifically requested, the following geotechnical services will be required:

1) Obtain a total of four (4) pavement cores from the existing roadways (one at each of the 4 sites) for evaluation of proposed milling and resurfacing improvements.
2) Perform a total of two (2) borehole percolation tests (one each at sites 1 & 2) for use in drainage evaluations and design at depths of 15 feet. The testing will be performed in accordance with the South Florida Water Management District's Usual Open-Hole testing procedures.
3) Perform two (2) resistivity/corrosion series laboratory testing on select water sample from each of the percolation tests.

Based on the anticipated field exploration program, we anticipate that the required services can be completed within a 4 to 5-week period after receiving Notice to Proceed. This includes acquiring underground utility clearances, field work, laboratory testing, and report preparation.

Based on our interpretation of your requirements, we are willing to complete the geotechnical services and report preparation on a **Time & Materials Basis** for **$9,898.32.** We have enclosed a detailed Fee Proposal for your review.

GEOSOL appreciates the opportunity to work with you on these projects. If you have any questions, please do not hesitate to contact us.

Sincerely,
GEOSOL, INC.

Oracio Riccobono, P.E.
Chief Geotechnical Engineer/President

Adnan Ismail, P.E.
Senior Geotechnical Engineer

Attachments: 1) Fee Proposal

GEOSOL, Inc.
5795-A N.W.151st Street
Miami Lakes, FL 33014
Phone (305) 828-4367; Fax (305) 828-4235
E-mail: geosolusa@bellsouth.net

GEOSOL, INC.

FEE PROPOSAL FOR GEOTECHNICAL SERVICES

Improvements for:

Site No. 1: NW 15th St. and NW 88th Ave.,
Site No. 2: NW 13th Ter. and NW 89th Ct.,
Site No. 3: NW 51st St. and NW 109th Ave. and
Site No. 4: NW 114th Ave. and NW 43rd Ter.
City of Doral, Florida

GEOSOL PROPOSAL No. P-225214-R2

DESCRIPTION	UNITS	# OF UNITS	UNIT RATE ($)	TOTAL $
1. FIELD INVESTIGATION				
1A) FIELD ACTIVITIES				
Asphalt Core Drilling for Thickness Measurements (includes Asphalt Patching): 4 asphalt pavement cores	EACH	4	$150.00	$600.00
Percolation Tests - Open Hole Method - Testing at 2 locations at 15 feet deep	EACH	2.0	$552.96	$1,105.92
Closing Holes with Grout	FEET	30.0	$9.17	$275.10
Engineering Technician (Boring Layout, Utility Clearance, and Field Meetings)	HOUR	6	$142.40	$854.40
SUB-TOTAL (for FIELD INVESTIGATION)				$2,835.42
1B) MOBILIZATION/DEMOBILIZATION & MOT COORDINATION				
Mobilization of truck mounted rig	EACH	2.0	$401.27	$802.54
Cones, Sign, Flags, Barricades, Arrow Board	DAY	2.0	$250.00	$500.00
Traffic Control - Off Duty Policeman (assume 1 day @ 8 Hrs.)	HOUR	8.0	$85.00	$680.00
Traffic Control - Support Vehicle	HOUR	12.0	$68.00	$816.00
SUB-TOTAL (MOB/DEMOB, & MOT COORDINATION)				$2,798.54
TOTAL FIELD INVESTIGATION				$5,633.96
2. LABORATORY PROGRAM				
Corrosion Testing including resistivity, chlorides, pH & sulfates per FDOT 5-550 to FM 5-553	EACH	1	$165.10	$165.10
TOTAL LABORATORY PROGRAM				$165.10
TOTAL FIELD AND LABORATORY PROGRAM				$5,799.06
3. ENGINEERING SERVICES				
Project Manager	HOUR	4	$257.80	$1,031.20
Senior Engineer	HOUR	6	$238.40	$1,430.40
Project Engineer	HOUR	6	$199.85	$1,199.10
CADD Technician	HOUR	2	$125.15	$250.30
Clerical	HOUR	2	$94.13	$188.26
TOTAL ENGINEERING SERVICES				$4,099.26
TOTAL GEOTECHNICAL FEES FOR PROJECT (TIME & MATERIAL BASIS)				$9,898.32

EXHIBIT E
GSLA DESIGN, INC.
LANDSCAPE ARCHITECTURE
OPTIONAL SERVICE

GARDNER + SEMLER
LANDSCAPE ARCHITECTURE
WWW.GSLADESIGN.COM
D E S I G N
17670 NW 78th AVE., SUITE 214
MIAMI, FL 33015
P 305.392.1016 F 305.392.1019
CORP. ID # 0000266

September 25, 2025 revised October 6, 2025

Angela Baron-Ruiz
CHA Engineers
8935 NW 35th Lane, #200
Doral, FL 33172

RE: NW 109th Avenue

Dear Angela,

We appreciate being invited to participate in the design of your project located long NW 109th Avenue south of NW 109th Avenue in Miami, FL as shown on the attached sketch.

I. SCOPE OF SERVICES

GSLA Design shall provide the following landscape architectural services for your project:

1) GSLA will prepare the following Contract Documents:
   a. Existing Tree Disposition Plan showing existing trees and denoting if they are to remain, be removed or relocated. GSLA will retain the services of an Arborist to prepare a report and will calculate the necessary mitigation and incorporate as much of that mitigation in the proposed planting plan as feasible. GSLA does not get permits but will provide the necessary plans and details to get the permits. This plan will be sufficient detail for submittal to Environmental Resources for review. GSLA does not guarantee that tree removal permits will be granted.
   b. Planting Plan sufficient in detail for bidding and installation by qualified contractors.
2) GSLA's work will be reviewed at every submittal for compliance with **City of Doral**
3) GSLA's work will be reviewed to ensure scope in accordance with submittal requirements.
4) GSLA will attend any necessary meetings during the design phase. Attendance at meetings will be billed hourly, recorded portal to portal.
5) GSLA will prepare plans on a base Site Plan provided by **CHA Engineers.** Any changes to GSLA plans required as a result of comments concerning our design by Review Boards or government staff shall be made at no additional cost.
6) Construction Administration is not included in this proposal.

II. CLIENT'S RESPONSIBILITIES

The Client shall provide any required site surveys, as-built drawings, soil tests, as well as architectural and engineering services as required.

GSLA will prepare any documents necessary to receive permits. **GSLA will not be responsible to submit the plans through the governing agencies.**

GARDNER + SEMLER
LANDSCAPE ARCHITECTURE
WWW.GSLADESIGN.COM
D E S I G N
17670 NW 78th AVE., SUITE 214
MIAMI, FL 33015
P 305.392.1016 F 305.392.1019
CORP. ID # 0000266

III. FEES

1) The fee shall be $ 9,425.49 payable as follows:

   $ $ 9,425.49 - upon submission of 100% Construction Document drawings (paid as a percentage of completed work)

   $ hourly - for Contract Administration

2) Hourly rates are as follows (time recorded portal to portal):

   $180.00/hr for Principal Landscape Architect
   $179.22/hr for Senior Project Manager
   $101.56/hr for Landscape Architect

3) Reimbursable expenses are included in above stated fees.

4) ALL ACCOUNTS ARE DUE AND PAYABLE IN FULL UPON SUBMISSION OF INVOICE TO CLIENT.

5) A Late Payment Charge of 1.5% per month will be added to all invoices past due.

6) If it becomes necessary incur collection fees and/or employ the services of an attorney to collect debt, then such fees shall be paid by the client.

IV. ADDITIONAL SERVICES

1) Any revisions to our drawings, specifications or other documents required as a result of changes to base plans or other information or instructions provided to GSLA from the Client or his Architect or Engineer, shall be billed on an hourly basis at our current hourly rates. Any additional services requested by the Client shall also be billed on an hourly basis.

2) When GSLA is contracted to prepare plans for the layout and design of roof top hardscape amenities, plantings and irrigation, the Client shall provide the services of a structural engineer. GSLA shall rely upon the advice of the engineer for information as to the roof structure's weight bearing capacity, roof drainage, waterproofing systems, etc. GSLA shall not be responsible for the preparation of structural, mechanical or electrical construction plans for the roof top areas. GSLA is not responsible for any construction operations during installation of elements designed by GSLA that damage the structure, waterproofing or clog drains.

3) When GSLA is contracted to prepare plans for projects that are attempting to achieve LEED credentialing, GSLA will make calculations, specify qualifying materials and make recommendations necessary to apply for any points relating to GSLA's disciplines. GSLA makes no guarantee that these points will be granted.

GARDNER + SEMLER
LANDSCAPE ARCHITECTURE
WWW.GSLADESIGN.COM
D E S I G N
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CORP. ID # 0000266

V. TERMINATION

This agreement may be terminated by either party upon seven (7) days written notice. In the event of termination, GSLA shall be paid its compensation for service performed to the termination date including reimbursable expenses then due. The client may not, at any time, use or allow the use of any work which is either incomplete in any respect, or is not fully paid for, even if complete.

The persons executing this agreement warrant and represent that they are authorized to enter into this Agreement on behalf of the person or entity for whom they are signing.

We look forward to being of service to you.

This agreement is executed this _____day of _____2025.

GSLA DESIGN

By: _____
Ken Gardner For the Firm

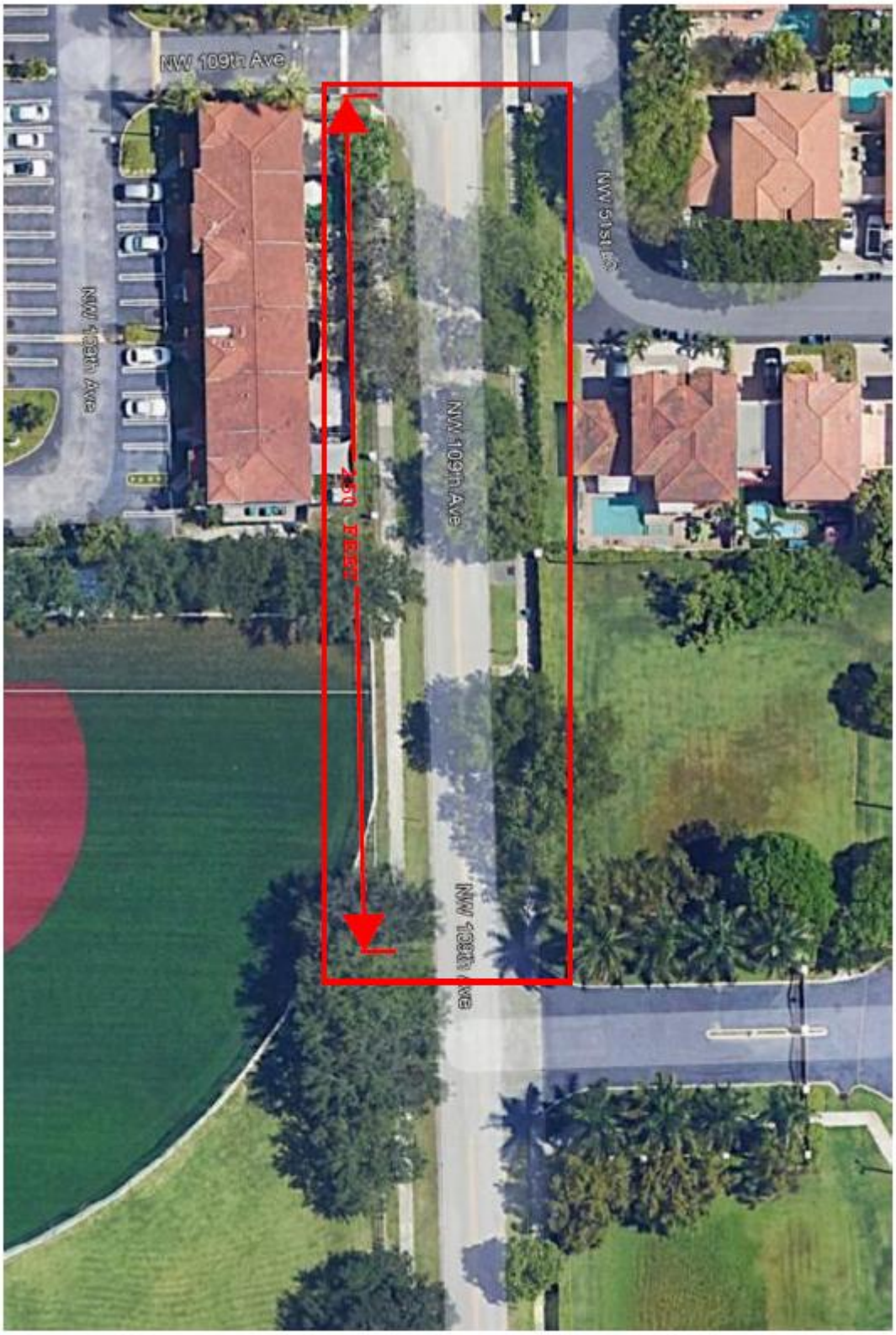
Client: _____
(Individually and as a Corporate Representative): Signature

_____
Name & Title Printed

GARDNER + SEMLER
LANDSCAPE ARCHITECTURE
WWW.GSLADESIGN.COM

DESIGN

17670 NW 78th AVE., SUITE 214
MIAMI, FL 33015
P 305.392.1016 F 305.392.1019
CORP. ID # 0000266



NW 109th Avenue

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Consultant Name: GSLA Design
Contract No.: Pending
Date: 10/6/2025
Estimator: Ken Gardner

Project: NW 109th Avenue - Manhour Estimate
Project No.: B-
Description: Landscape Services

	STAFF CLASSIFICATION																
Job Classification / Staff / Applicable Rate	Landscape Architect Ken Gardner Rate: $62.10		Landscape Architect Kiehl Semler Rate: $62.10		CADD Technician Chris Garcia Rate: $43.15		CADD Technician Jose Fonseca Rate: $43.15		Arborist Jeremy Chancey Rate: $2,500.00		Position 6 name Rate:		Position 7 name Rate:		Staff Hours By	Salary Cost By	Average Rate Per
Work Activity	Man hours	Cost/ Activity	Man hours	Cost/ Activity	Man hours	Cost/ Activity	Man hours	Cost/ Activity	Man hours	Cost/ Activity	Man hours	Cost/ Activity	Man hours	Cost/ Activity	Activity	Activity	Task
1 Project Coordination	1	$62	1	$62											2	$124	$62.10
2																	
3 Topographical & Tree Survey - Preliminary			1	$62	3	$129									4	$192	$47.89
4																	
5 Tree Assessment & Disposition Plan			1	$62	4	$173	3	$129							8	$364	$45.52
6																	
7 Topographical & Tree Survey - Final			1	$62			3	$129							4	$192	$47.89
8																	
9 30% Design Documents	1	$62	2	$124	3	$129	2	$86							8	$402	$50.26
10																	
11 60% Design Documents	1	$62	1	$62	2	$86	2	$86							6	$297	$49.47
12																	
13 90% Design Documents	1	$62	1	$62	1	$43	1	$43							4	$211	$52.63
14																	
15 100% Design Documents	1	$62	1	$62	1	$43	1	$43							4	$211	$52.63
16																	
17 Permitting Assistance																	
18																	
19 Construction Services & As-Built Certification																	
20																	
21 Arborist services																	
22																	
23																	
24																	
25																	
26																	
27																	
Total Staff Hours	5		9		14		12								40		
Total Staff Cost		$310.50		$558.90		$604.10		$517.80								**$1,991.30**	**$49.78**
Total % of Work by Position	12.5%		22.5%		35.0%		30.0%										

ESTIMATE OF SURVEY CREW COSTS

3 - man Survey Crew:		crew days at		/ day =	$ -
4 - man Survey Crew:		crew days at		/ day =	$ -

Notes:
1. This sheet is to be used by Prime Consultant to calculate the Grand Total Fee.
2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden
3. The basis for work activity descriptions shall be the FICE/FDOT Standard Scope and Staff Hour Estimation Handbook.

1 - SUBTOTAL ESTIMATED FEE: (multiplier 2.9)	**$5,774.77**
Subconsultant: Enter Name of Sub 1	
Subconsultant: Sub 2	
Subconsultant: Sub 3	
Subconsultant: Sub 4	
Subconsultant: Sub 5	
2 - SUBTOTAL ESTIMATED FEE:	**$5,774.77**
Geotechnical Field and Lab Testing:	
Survey Fee (or Survey Crew Fee):	$ -
Other Misc. Fee: Enter Fee Description	
3 - SUBTOTAL ESTIMATED FEE:	**$5,774.77**
Additional Services (Allowance)	
Reimbursables (Allowance)	$2,500.00
GRAND TOTAL ESTIMATED FEE:	**$8,274.77**