EXHIBIT"B"



Department :	Stormwater Capital	Date:			6/11/2024					
Fund(s) to be changed: Stormwater Capital Fund										
GL Account	GL Line Item	Project #:	Transfe	r to:	Trans	fer from:				
340.36.538.6307	HI Project Pkg 1 (PS & Outfall)	SW24-01	\$	30,296.82						
340.36.538.6307	NBI Project Pkg 1 (PS & Outfall)	SW24-02	\$	-						
340.36.538.6307	NBI Project Pkg 2 (PS & Outfall)	SW24-03	\$	-						
340.36.538.6307	TI Project Pkg 1 (PS & Outfall)	SW24-04	\$	104,975.08						
340.36.538.6307	TI Project Pkg 2 (PS & Outfall)	SW24-05	\$	20,786.50						
340.36.538.6307	TI Project Pkg 2 (PS & Outfall)	SW24-06	\$	-						
340.36.538.6307	NBI Project Pkg 3 (SW & ROAD ELEV)	SW25-01	\$	22,303.43						
340.36.538.6307	NBI Project Pkg 4 (SW & ROAD ELEV)	SW25-02	\$	24,928.51						
340.36.538.6307	TI Project Pkg 4 (SW & ROAD ELEV)	SW25-03	\$	69,868.12						
340.36.538.6307	TI Project Pkg 5 (SW & ROAD ELEV)	SW25-04	\$	63,547.42						
340.36.538.6307	TI Project Pkg 6 (SW & ROAD ELEV)	SW25-05	\$	16,585.66						
340.36.538.6307	HI Project Pkg 3 (SW & ROAD ELEV)	SW26-01	\$	8,274.29						
340.36.538.6307	HI Project Pkg 2 (SW & ROAD ELEV)	SW26-02	\$	6,769.18						
340.00.384.3841	Loan/Debt Proceeds (Line of Credit)				\$	368,335.01				
			\$	368,335.01	s	368,335.01				

Description:

Increase Stormwater GOB Capital Project Budgets for SW24-01, SW24-04, SW24-05, SW25-01, SW25-02, SW25-02, SW25-03, SW25-04, SW25-05, SW26-01, and SW26-02 - using the SW GOB Line of Credit for BCC (total \$624,284.68) for the Stormwater Improvement Program Design Right of Way & Tpopgraphic Survey/Utility Coordination/Subsurface Utilities Invesigation Services.

058 BA000 341

RESOLUTION NO. 2024-058

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE ISSUANCE OF A WORK ORDER TO BCC ENGINEERING, LLC FOR PROFESSIONAL SURVEYING AND UNDERGROUND UTILITY INVESTIGATION SERVICES RELATED TO THE STORMWATER IMPROVEMENT PROGRAM IN AN AMOUNT NOT TO EXCEED \$624,284.00; AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, on December 12, 2023, the North Bay Village ("Village") Commission adopted Resolution No. 2023-155 selecting various consultants pursuant to Request for Qualifications No. 2023-005 (the "RFQ") for continuing professional general architectural and engineering services and authorizing the Village Manager to negotiate and execute agreements with the various consultants; and

WHEREAS, pursuant to the Resolution, the Village entered into an agreement on April 26, 2024, with BCC Engineering, LLC (the "Consultant"), as one of the selected firms (the "Agreement"); and

WHEREAS, the Village has begun implementing a Stormwater Improvement Program (the "Project") and desires to engage Consultant to perform professional surveying and underground utility investigation services for Harbor, North Bay, and Treasure Islands as part of the Project (the "Services"); and

WHEREAS, in accordance with the terms of the Agreement, the Village solicited and the Consultant submitted a proposal to perform the Services for the Project; and

WHEREAS, the Village Commission desires to authorize the Village Manager to issue a work order to Consultant to perform the Services for the Project, in substantially the form attached hereto as Exhibit "A" consistent with the Agreement previously entered into between the Village and Consultant in an amount not to exceed \$624,284.00 (the "Work Order"); and

WHEREAS, on September 28, 2023, the Village Commission adopted Resolution No. 2023-109 approving the budget for fiscal year 2023-2024 (the "Budget"); and

WHEREAS, pursuant to Section 166.241, Florida Statutes, the Village Commission may amend a budget at any time within a fiscal year; and

WHEREAS, in order to provide the necessary funding for the Services and pursuant to Section 35.21 of the Village Code of Ordinances and Florida Law, the Village Commission desires to amend the Budget consistent with the staff memorandum accompanying this resolution by authorizing the line-item transfers as further provided in Exhibit "B" attached hereto and incorporated herein; and

WHEREAS, the Village Commission finds that this Resolution is in the best interest and welfare of the residents of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. That each of the above-stated recitals are hereby adopted, confirmed, and incorporated herein.

Section 2. <u>Authorization.</u> That the Village Commission hereby authorizes the Village Manager to issue the Work Order to Consultant to perform the Services for the Project, in substantially the form attached hereto as Exhibit "A."

Section 3. <u>Amending Budget.</u> That the Village Commission hereby approves an amendment to the budget by authorizing the line-item transfers as further provided in Exhibit "B" attached hereto and incorporated herein.

Section 4. Implementation. That the Village Manager and Village Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and provisions of this Resolution.

Section 5. Effective Date. That this Resolution shall be effective immediately upon adoption.

The foregoing Resolution was offered by Commissioner Streitfedl who moved its adoption. The motion was seconded by Mayor Latham and upon being put to a vote, the vote was as follows:

Mayor Brent Latham	Yes
Vice Mayor Richard Chervony	Yes
Commissioner Goran Cuk	Yes
Commissioner Andy Rotondaro	Yes
Commissioner Rachel Streitfeld	Yes

PASSED AND ADOPTED on this 11th day of June 2024.

Brent Latham, Mayor

ATTEST:

Alba L. Chang, CMC () Village Clerk



APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

Weiss Serota Helfman Cole & Bierman, PL Village Attorney



WORK ORDER NO. BCC2403

DATED THIS 1ST DAY OF JUNE 2024

NORTH BAY VILLAGE PUBLIC WORKS DEPARTMENT

NORTH BAY VILLAGE NORTH BAY VILLAGE ROW & TOPOGRAPHIC SURVEY

PROFESSIONAL SERVICES

This Work Order between North Bay Village, a Florida municipal corporation ("VILLAGE"), **BCC Engineering, LLC** authorized to transact business in Florida ("CONSULTANT"), is made pursuant to the Continuing General Professional Engineering and Architectural Services Agreement (the "Agreement") dated April 26, 2024, and expiring on April 14, 2029.

PROJECT DESCRIPTION

As part of this Work Order (WO), the CONSULTANT will support the VILLAGE with professional services in the form of Professional Surveying and Underground Utility Investigation services for the VILLAGE.

The project will focus on developing ROW and Topographic Survey, Utility Coordination, and Subsurface Utilities Investigation services for the Noth Bay Island, Harbor Island and Treasure Island.

This Work order will be an integral part of the Continuing General Professional Engineering and Architectural Services Agreement (RFQ No. 2023-005) between the VILLAGE and the CONSULTANT.

GENERAL REQUIREMENTS

Design Standards

The project does not require design plans and specifications.

Quality Control

The CONSULTANT is responsible for the quality control (QC) of their work and of its sub-consultants (PREMIERE DESIGN SOLUTIONS). The CONSULTANT shall provide to the VILLAGE the list of sub-consultants which will be used for this project. This list shall not be changed without prior approval of the VILLAGE. All sub-consultant documents and submittals shall be submitted directly to the CONSULTANT for their independent QC review. The VILLAGE shall only accept submittals for review and action from the CONSULTANT.

The CONSULTANT shall be responsible for the professional quality, technical accuracy, and coordination of all pre-design services, drawings, and other services furnished by the CONSULTANT and their subconsultant(s). It is the CONSULTANT's responsibility to independently and continually QC their survey drawings, electronic files, progress payment applications, schedules, and all project deliverables required by this task order. The CONSULTANT shall provide the VILLAGE with a marked up set of survey drawings showing the CONSULTANT's QC review. Such mark-ups shall accompany the CONSULTANT's scheduled deliverables. The submittal shall include the names of the CONSULTANT's staff that performed the QC review for each component (survey, etc.).

Project Schedule

The CONSULTANT shall submit a preliminary project schedule as an exhibit to this Work Order. The schedule shall be prepared in Microsoft Project and shall include the Consultant's best estimate as to the project start date.

Within 10 business days after receiving the Notice to Proceed and prior to beginning work, the



CONSULTANT shall submit a final project schedule to the VILLAGE for approval. No work shall commence without an approved schedule. The final schedule shall include design, permitting activities, submittal review timeframes, and other project activities as required to complete the work. The CONSULTANT shall submit updated project schedules as required in the specific scope of services.

Permitting

Permitting will not be required as part of this WO.

SPECIFIC SCOPE OF SERVICES

The Scope of Services is comprised of the following essential tasks:

- Task 1: Project Coordination and Project Management
- Task 2: ROW & Topographic/Utility Coordination/Subsurface Utilities Investigation Services (Subconsultant)

Task 1.0 – Project Coordination and Project Management

As part of this task BCC will provide project coordination and management activities.

In addition, BCC will prepare for and attend team meetings as necessary. Representation at recurring team meetings will be vested in the project manager, with the inclusion of team experts as deemed essential for specific disciplines.

BCC will provide support to the VILLAGE in coordinating project activities during the duration of the project with the designated consultants. BCC will facilitate effective communication channels, schedule meetings, and foster collaboration among all stakeholders involved.

Task 2.0 – ROW & Topographic Survey/Utility Coordination/Subsurface Utilities Investigation Services (Subconsultant)

BCC will retain Premiere Design Solutions, Inc. (PDS) to perform ROW & Topographic Survey/Utility Coordination/Subsurface Utilities Investigation for North Bay Island, Harbor Island, and Treasure Island. PDS's detailed scope of work is included in **Exhibit 'B'**.

- Task 1 North Bay Island
 - Task 1.1 ROW & Topographic Surveying Services
 - o Task 1.2 Utilities Coordination
 - o Task 1.3 Subsurface Utilities Investigation
- Task 2 Harbor Island
 - o Task 2.1 ROW & Topographic Surveying Services
 - o Task 2.2 Utilities Coordination
 - Task 2.3 Subsurface Utilities Investigation
- Task 3 Treasure Island
 - o Task 3.1 ROW & Topographic Surveying Services
 - o Task 3.2 Utilities Coordination
 - Task 3.3 Subsurface Utilities Investigation

PROJECT ASSUMPTIONS

- VILLAGE shall provide access to site.
- VILLAGE shall provide existing electronic CAD files, if available. It is the CONSULTANT'S
 responsibility to verify accuracy.
- It is the CONSULTANT's responsibility to verity existing geometry is acceptable to all permitting agencies.



ADDITIONAL SERVICES

If authorized in writing by the VILLAGE, as an amendment to this Work Order, the CONSULTANT shall furnish, or obtain, Additional Services of the types listed in the AGREEMENT. The VILLAGE, as indicated in the AGREEMENT, will pay for these services.

PERFORMANCE SCHEDULE

The CONSULTANT shall perform the services identified in Tasks 1.0 – 2.0 within 34 weeks of the written Notice to Proceed

	SCHEDULE									
Task #	Task Description	Estimated Duration per Task								
1.0	Project Coordination & Project Management	Project Duration								
2.0	ROW & Topographic Survey/Utility Coordination/Subsurface Utilities Investigation Services (Subconsultant)	34 weeks								

PROJECT FUNDING

Performance of this project is at the VILLAGE's discretion and may be contingent upon the VILLAGE receiving funding and work shall not begin until the VILLAGE provides a Notice to Proceed to CONSULTANT.

METHOD OF COMPENSATION

The services performed will be accomplished using the <u>Not-to-Exceed and Lump Sum method of</u> <u>compensation</u>. The total hourly rates payable by the VILLAGE for each of CONSULTANT's employee categories, reimbursable expenses, if any, and sub-consultant fees, if any, are shown on <u>Exhibit 'A'</u> attached hereto and made a part hereof. Pay application requests shall be prepared on the VILLAGE's approved pay application request form. The CONSULTANT shall submit the pay application request to the VILLAGE's Project Manager for review and approval. Pay application requests shall be submitted monthly.

TERMS OF COMPESATION

Services will be provided for the following Not-to-Exceed amounts: Tasks 1.0 and Lump Sum amounts: Task 2.0. **Exhibit 'C'** includes a detailed man-hour estimate for work outlined in the Scope of Work.

COMPENSATION SCHEDULE								
Task #	Task Description		Fee	LS/TM				
1.0	Project Coordination & Project Management	\$	5,968.00	TM				
2.0	ROW & Topographic Survey/Utility Coordination/Subsurface Utilities Investigation Services (Subconsultant)	\$	615,316.68	LS				
	Reimbursable Expenses	\$	3,000.00					
	Total	\$	624,284.68					



VILLAGE CONTACTS

Requests for payments should be directed to North Bay Village Accounts Payable via e-mail to <u>Pwdocuments@nbvillage.com</u> after getting approval from the VILLAGE's Project Manager. All other correspondence and submittals should be directed to the attention of Name of PM, Project Manager, at the address shown below. **Please be sure that all correspondence refers to the VILLAGE project number and title as stated above.**

Delroy Peters, El

Project Manager Public Works North Bay Village Village Hall, 3rd Floor Public Works 1666 Kennedy Causeway North Bay Village, FL 33141 Phone: (305) 756-7171 Ext. 29 Email: <u>Dpeters@nbvillage.com</u>

Marlon Lobban, PE

Director of Public Works North Bay Village Village Hall, 3rd Floor Public Works 1666 Kennedy Causeway North Bay Village, FL 33141 Phone: (305) 756-7171 ext. 66 Email: Mlobban@nbvillage.com

CONSULTANT CONTACTS

Victor H. Herrera, PE

Senior Vice President BCC Engineering, LLC. 6401 SW 87th Avenue, Suite 200 Miami, FL 33173 Email: <u>vherrera@bcceng.com</u> Phone: (305)670-2350

Carlos Morales

Civil Division Manager BCC Engineering, LLC. 6401 SW 87th Avenue, Suite 200 Miami, FL 33173 Email: <u>carlos.morales@bcceng.com</u> Phone: (305)670-2350



<u>SIGNATURE PAGE</u> NORTH BAY VILLAGE

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first written above.

By: _____ Marlon Lobban Village Public Works Director This Work Order approved pursuant to [check one and initial]: _____ Manager Purchasing Authority (§36.25 Village Code) _____ Resolution No. _____

By: _____ Dr. Ralph Rosado, Ph.D, AICP Village Manager

Attest:

Ву: _____

Alba L. Chang, CMC Village Clerk

Approved as to form and legal sufficiency:

By: _____ Weiss Serota Helfman Cole & Bierman, P.L. Village Attorney



SIGNATURE PAGE CONSULTANT/CONTRACTOR

WITNESSES:

rella Ruaigip

[Witness print/type name]

County of Miami - Dad

11111111 ROXAN [Witness print/ (CORPORA H State of Florida

AAA

a Florida firmited liability company.

Victor H. Herrera [Print Name, check title]

BCC Engineering, LLC,

□ President ⊠ Vice President

Authorized Signatory (Please provide corporate authorization)

ATTEST Secretary

<u>Jose A. Munoz</u> [Print Name]

ACKNOWLEDGMENT

The foregoing instrument was acknowledged before me by means of 12 physical presence or \Box online notarization, this <u>3</u> day of <u>tune</u>, 20, 24, by <u>Victor Herrorg</u> (name of person) as <u>Senier Vike-President</u> (type of authority) for <u>BCC Engineering LCC</u>(name of party on behalf of whom instrument is executed).

Notary Public (Print, Stamp, or Type as Commissioned)



VANESSA AYMERICH Notary Public State of Fiorida Comm# HH402823 Expires 5/24/2027



Exhibit A - HOURLY RATES



HOURLY RATES

Job Classification	BCC
Principal Engineer	\$276
Project Manager	\$235
Senior Project Engineer	\$205
Project Engineer	\$159
Designer	\$95
PIO/Communication Manager	\$144.82
Project Architect	\$156
Landscape Architect	\$135
Senior Planner	\$115
Construction Manager	\$156
Traffic Engineer	\$134
Environmental Specialist	\$100
CEI Inspector	\$122
GIS Specialist	\$127
Surveyor	\$195
CADD	\$90
Clerical/Admin	\$74



Exhibit B – PDS PROPOSAL



May 25, 2024

Mr. Victor H. Herrera. PE Senior Vice President BCC Engineering 6401 SW 87 Avenue, Suite 200 Miami, FL 33172 305-670-2350 vherrera@bcceng.com

Submitted Via email.

REF: Professional Land Surveying Services for the stormwater system improvements on North Bay Island , Harbor Island, and Treasure Island. 13 project phases. Miami-Dade County, Florida, PDS Project No. 20210007.5

Dear Mr. Herrera

Premiere Design Solutions, Inc. (PDS) ("Consultant"), is pleased to submit this proposal for the above referenced project to **BCC ENGINEERING** (Client), to provide Professional Surveying and Underground Utility Investigation services, in the area shown in Figures 1 to 4.

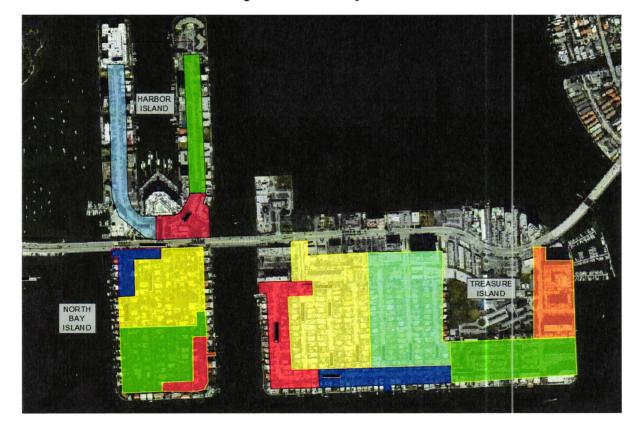


Figure 1. Overall Project Area

Professional Land Surveying Services for the stormwater system improvements on North Bay Island , Harbor Island, and Treasure Island. 13 project phases



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The overall project includes the following islands:

- A. North bay Island
- B. Harbor island
- C. Treasure Island

Each one of the islands was additionally divided into project phases, for a total of 13 phases that can be treated as independent bid packages, shown in colors on the previous page. All the project phases are detail below in the figures 2 to 4.

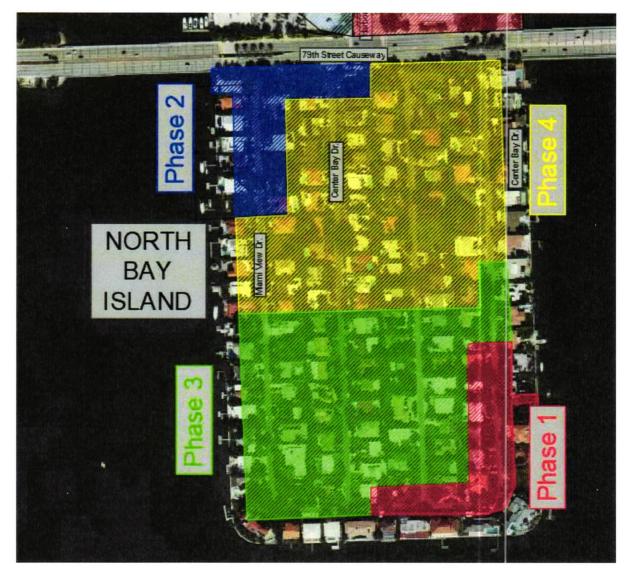
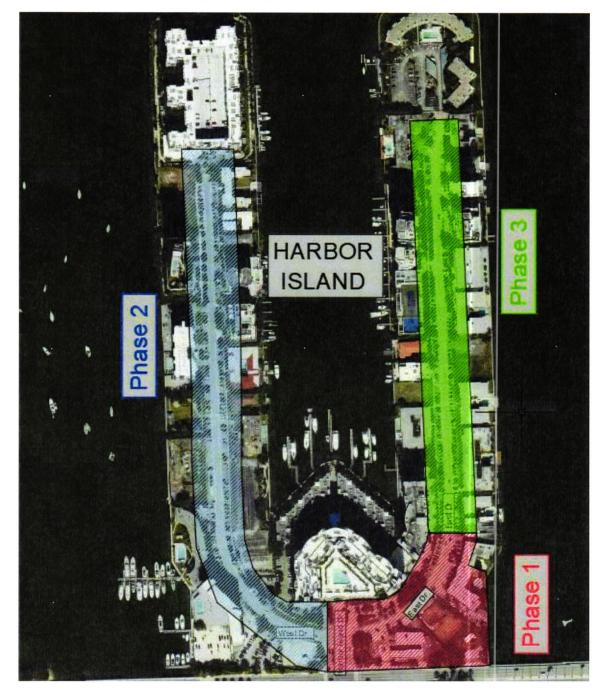


Figure 2. Project Area - North Bay Island



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Figure 3. Project Area - Harbor Island





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Figure 4. Project Area – Treasure Island



Using the project division, this proposal has 3 tasks associated to each island, for this proposal, the subtasks will be consistent across the project to ensure that all the required information is available in the project deliverables.

Task 1. North Bay Island.

In North Bay Island, the project will have 4 phases as shown in Figure 2, Project Area -- North Bay Island. The phases will include the following roads:

- A. **Phase 1:** Starting approximately 200 feet from Coquina Dr. over Bay Terrace, heading west to turn north on Beachview Drive for a length of 530 linear feet. The total length of this area will be approximately 1,080 feet.
- B. **Phase 2:** Starting from 79th Parkway and heading west from Harbor Island Dr., then turning south on Miami View Dr. for a length of 450 linear feet with an average width of 90 feet. The total length of this area will be approximately 950 feet.
- C. **Phase 3:** Over Miami View Dr., with limits from Phase 4 on the north and heading south to Bay Terrace to limit with Phase 1. This phase also includes Center Bay Dr. and Coquina Dr., each with an approximate length of 660 feet, and 273 feet of Beachview Drive, limited by the south with Phase 1 and in the north with Phase 4. The total length of this area will be approximately 2,523 feet.
- D. **Phase 4:** Limited by the north with Phase 2 area and 79th Parkway, and by the south with Phase 3. This phase includes the following partial roads: Miami View Dr., Center Bay Dr., Coquina Dr., and Beachview Drive. The total length of this area will be approximately 2,836 feet.

The total survey length for North Bay Island will be approximately 7,380 feet. The activities on North bay island will include:



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Tel: (954) 237 7850 - Fax: (954) 337 2332

Task 1.1. ROW and Topographic Surveying Services

PDS will perform a ROW and Topographic specific purpose survey of the areas shown onFigure 2. Project Area – North Bay Island. This task will include a desktop review of available and recorded public information of the area of work described above, the task will also include researching and collecting all available roadway plat documents from public record library, request and research available as-built and record drawings for both routes shown. With this, a ROW file will be drafted into an AutoCAD based drawing showing all right of way (ROW) lines, easement lines and property lines available in the recorded plat documents for all routes.

For the different areas, this survey will include location and elevations of all above ground and visible features including edge of pavement, valve covers, manholes, slabs, poles, above ground utilities, pull boxes, curbing, landscaping, hardscape, trees, catch basins, fencing, walls, bridge overhang limits, etc., within the survey area. The Survey will depict all existing surface conditions, including Street right-of-way lines which will be depicted on the survey in accordance with the current instruments of record that are available. No title work is anticipated to be required for this work authorization. Topography will be provided in NAVD (1988) vertical datum. Final deliverable will include a signed and sealed Topographic Survey and an AutoCAD base file suitable for use in the final design.

PDS will perform cross sections of elevation points at no more than every 50', or closer if deemed necessary and at elevation changes. Once all field work has been completed and all data collected, all information will be imported into AutoCAD Civil 3D software and will be used to draw a topographic survey with layered assets depicting all available above ground features of the areas of interest. The AutoCAD files will be created utilizing **PDS's** AutoCAD Standards unless directed otherwise by the Client.

Drawings will follow our QA/QC procedures, and will be reviewed, signed, and sealed by a Florida registered Professional Land Surveyor. The survey will be provided in hard copies, in AutoCAD format and in PDF.

Task 1.2. Utility Coordination

This task involves comprehensive utility coordination efforts to map and document underground utilities within the project area. The process will begin concurrently with task 1.1 and includes preparing a Design Ticket and contacting all utilities identified to have underground infrastructure within the project vicinity. PDS will prepare a letter requesting As-Built drawings from utility owners and distribute them to all relevant parties.

PDS will develop a tracking matrix and regularly update the answers received to monitor utility company responses. Upon receipt of information, the consultant will digitize all data using AutoCAD Civil3D to represent the horizontal location of underground utilities as depicted in the provided drawings.

All utility lines will be appropriately layered and labeled to ensure clarity and provide engineering designers with all available information from the obtained As-Built drawings.



Furthermore, this task involves contacting relevant agencies to request roadway as-builts in an effort to identify additional underground infrastructure, such as stormwater management systems and street lighting.

All compiled information, including utility data and other underground lines, will be integrated into a single AutoCAD file. Underground utilities file will be adjusted once information from the field data collection becomes available, adjusting placement of utilities based on surveyed locations of above ground features such as valve covers, and manhole covers along the selected route. This file will serve as an overlay of the survey to depict all known underground utilities, providing crucial information for project planning and design.

Task 1.3. <u>Subsurface Utilities Investigation</u>

The information gathered in task 1.2 will be provided to the client that shall identify up to 20 locations where additional information is needed for final design.

PDS will then conduct designation at twenty (20) locations provided by the client within the area of work shown above to locate the horizontal location of existing utilities in the project area. Area will be marked using paint and/or flag markers identifying only the existing utilities at the location of the 20 soft digs.

At the twenty (20) locations identified by the Client, PDS will perform soft dig exploratory test holes in compliance with Location Services - (Quality Level 'A'). This proposal includes up to twenty (20) test holes at the specific locations requested by the design engineer to be performed by soft dig methods. Test holes will be utilized to expose utilities to minimize any potential for damage. Test holes performed will be of minimum size (usually 1' by 1'). Backfill of test holes will be performed utilizing the removed material, if suitable. Areas will be restored back as close as possible to their original condition. Impervious soft dig locations will be finished with compacted cold mix asphalt regardless of existing finish. Installation of an identifiable above ground marker will be performed at each test hole location. Field markers will consist of a nail and disk in asphalt, or an iron rod and cap with survey stake in grassed areas. The test hole number and utility will be identified on the ground or on the stake, as appropriate. A test hole summary report will be created providing coordinates, depth of cover, type, size, and material if applicable, measured with survey grade equipment and accuracy. Deliverables will include the reports in PDF format and an AutoCAD file with the mapped locations and elevations of the test holes, and utilities found in demarcation. It is assumed that all soft digs will be released for work at the same time, and that no MOT permit is required, but basic MOT will be provided. Owner shall provide as-builts of utilities being targeted prior to execution of the work.

Please note that the designation and soft dig activities are inhibited by groundwater. GPR scanning results of underground utilities underwater are not reliable and often missed. Electromagnetic induction works on metallic underground utilities, or utilities with tracer wire, however, non-metallic utilities under the water table may not be able to be located. Furthermore, soft dig exploratory excavations are performed with vacuum truck, and once the excavation hits the groundwater, vacuum attachment pulls groundwater out of the excavation, and it is not possible to continue excavation much further than the groundwater level encountered. It is possible that utility under the groundwater would not be able to be visually verified as of size and material even if it's found, as it will be impossible to



observe under the disturbed groundwater inside the excavation pit. Test hole will be considered complete once test hole becomes unfeasible under water table and billed as such.

Task 2. Harbor Island.

In Harbor Island, the project will have 3 phases as shown in Figure 3, Project Area – Harbor Island. The phases will include the following roads:

- A. **Phase 1:** Along East Drive, starting at Harbor Island Dr. The total length of this area will be approximately 870 feet.
- B. **Phase 2:** Starting at the end of West Drive, heading south to Harbor Island Dr., which limits with Phase 1. The total length of this area will be approximately 1,994 feet.
- *C.* **Phase 3:** Starting at the end of East Drive, heading south to the limits with Phase 1. The total length of this area will be approximately 1,510 feet.

The total survey length for Harbor Island will be approximately 4374 feet. The activities on Harbor island will include:

Task 2.1. ROW and Topographic Surveying Services

PDS will perform a ROW and Topographic specific purpose survey of the areas shown onFigure 3. Project Area – Harbor Island. This task will include a desktop review of available and recorded public information of the area of work described above, the task will also include researching and collecting all available roadway plat documents from public record library, request and research available as-built and record drawings for both routes shown. With this, a ROW file will be drafted into an AutoCAD based drawing showing all right of way (ROW) lines, easement lines and property lines available in the recorded plat documents for all routes.

For the different areas, this survey will include location and elevations of all above ground and visible features including edge of pavement, valve covers, manholes, slabs, poles, above ground utilities, pull boxes, curbing, landscaping, hardscape, trees, catch basins, fencing, walls, bridge overhang limits, etc., within the survey area. The Survey will depict all existing surface conditions, including Street right-of-way lines which will be depicted on the survey in accordance with the current instruments of record that are available. No title work is anticipated to be required for this work authorization. Topography will be provided in NAVD (1988) vertical datum. Final deliverable will include a signed and sealed Topographic Survey and an AutoCAD base file suitable for use in the final design.

PDS will perform cross sections of elevation points at no more than every 50', or closer if deemed necessary and at elevation changes. Once all field work has been completed and all data collected, all information will be imported into AutoCAD Civil 3D software and will be used to draw a topographic survey with layered assets depicting all available above ground features of the areas of interest. The AutoCAD files will be created utilizing **PDS's** AutoCAD Standards unless directed otherwise by the Client.

Drawings will follow our QA/QC procedures, and will be reviewed, signed, and sealed by a Florida registered Professional Land Surveyor. The survey will be provided in hard copies, in AutoCAD format and in PDF.



PREMIERE DESIGN SOLUTIONS, INC 11606 City Hall Promenade, Suite 200, Miramar, FL 33025 Tel: (954) 237 7850 - Fax: (954) 337 2332

Task 2.2. Utility Coordination

This task involves comprehensive utility coordination efforts to map and document underground utilities within the project area. The process will begin concurrently with task 2.1 and includes preparing a Design Ticket and contacting all utilities identified to have underground infrastructure within the project vicinity. PDS will prepare a letter requesting As-Built drawings from utility owners and distribute them to all relevant parties.

PDS will develop a tracking matrix and regularly update the answers received to monitor utility company responses. Upon receipt of information, the consultant will digitize all data using AutoCAD Civil3D to represent the horizontal location of underground utilities as depicted in the provided drawings.

All utility lines will be appropriately layered and labeled to ensure clarity and provide engineering designers with all available information from the obtained As-Built drawings.

Furthermore, this task involves contacting relevant agencies to request roadway as-builts in an effort to identify additional underground infrastructure, such as stormwater management systems and street lighting.

All compiled information, including utility data and other underground lines, will be integrated into a single AutoCAD file. Underground utilities file will be adjusted once information from the field data collection becomes available, adjusting placement of utilities based on surveyed locations of above ground features such as valve covers, and manhole covers along the selected route. This file will serve as an overlay of the survey to depict all known underground utilities, providing crucial information for project planning and design.

Task 2.3. Subsurface Utilities Investigation

The information gathered in task 2.2 will be provided to the client that shall identify up to 20 locations where additional information is needed for final design.

PDS will then conduct designation at twenty (20) locations provided by the client within the area of work shown above to locate the horizontal location of existing utilities in the project area. Area will be marked using paint and/or flag markers identifying only the existing utilities at the location of the 20 soft digs.

At the twenty (20) locations identified by the Client, PDS will perform soft dig exploratory test holes in compliance with Location Services - (Quality Level 'A'). This proposal includes up to twenty (20) test holes at the specific locations requested by the design engineer to be performed by soft dig methods. Test holes will be utilized to expose utilities to minimize any potential for damage. Test holes performed will be of minimum size (usually 1' by 1'). Backfill of test holes will be performed utilizing the removed material, if suitable. Areas will be restored back as close as possible to their original condition. Impervious soft dig locations will be finished with compacted cold mix asphalt regardless of existing finish. Installation of an identifiable above ground marker will be performed at each test hole location. Field markers will consist of a nail and disk in asphalt, or an iron rod and cap with survey stake in grassed



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areas. The test hole number and utility will be identified on the ground or on the stake, as appropriate. A test hole summary report will be created providing coordinates, depth of cover, type, size, and material if applicable, measured with survey grade equipment and accuracy. Deliverables will include the reports in PDF format and an AutoCAD file with the mapped locations and elevations of the test holes, and utilities found in demarcation. It is assumed that all soft digs will be released for work at the same time, and that no MOT permit is required, but basic MOT will be provided. Owner shall provide as-builts of utilities being targeted prior to execution of the work.

Please note that the designation and soft dig activities are inhibited by groundwater. GPR scanning results of underground utilities underwater are not reliable and often missed. Electromagnetic induction works on metallic underground utilities, or utilities with tracer wire, however, non-metallic utilities under the water table may not be able to be located. Furthermore, soft dig exploratory excavations are performed with vacuum truck, and once the excavation hits the groundwater, vacuum attachment pulls groundwater out of the excavation, and it is not possible to continue excavation much further than the groundwater level encountered. It is possible that utility under the groundwater would not be able to be visually verified as of size and material even if it's found, as it will be impossible to observe under the disturbed groundwater inside the excavation pit. Test hole will be considered complete once test hole becomes unfeasible under water table and billed as such.

Task 3. Treasure Island

In Treasure Island the project will have 6 phases, as shown in Figure 4. Project Area –Treasure Island. The phases will include the following roads:

- A. Phase 1: Starting on N Treasure Dr., 115 feet before the intersection with Adventure Ave., heading west, turning south on W Treasure Dr. until its end, and turning east on S Treasure Drive until 140 feet after Adventure Ave. The total length of this area will be approximately 1,500 feet.
- B. Phase 2: Continuing from Phase 1 on S Treasure Drive, starting 140 feet east of Adventure Ave. to 140 feet after Mutiny Ave. The total length of this area will be approximately 870 feet.
- C. Phase 3: Continuing from Phase 2 on S Treasure Drive, heading west to E Treasure Drive, then turning north on E Treasure Drive until 63 feet north of the intersection with Galleon St., limiting with Phase 6. This phase also includes Galleon St. from the intersection with E Treasure Drive to Jewel Ave., and Jewel Ave. from the intersection with S Treasure Island to approximately 60 feet north of the intersection with Galleon St. The total length of this area will be approximately 3,474 feet.
- D. Phase 4: Limited at the north by 79th Street Causeway on Adventure Ave., heading south past Pirates Alley's intersection to N Treasure Dr.'s intersection, limiting with Phase 1. The intersection is included in the Phase 1 survey. Phase 4 continues after the intersection, heading south to the S Treasure Dr. intersection, where it again limits with Phase 1. This phase also includes Bounty Ave., Buccaneer Ave., part of N Treasure Dr. from the limit of Phase 1 to the limit of Phase 5, beginning approximately 170 feet before the intersection with Bounty Ave. and ending approximately 150 feet from Buccaneer Ave., and approximately 700 feet of Pirates Alley, measuring from the intersection with Adventure Ave. to the limits with Phase 5. The total length of this area will be approximately 4,470 feet.



- E. Phase 5: This phase includes a partial length of Pirates Alley and N Treasure Dr. from the limit of Phase 4 to the end of each road. It additionally comprises Cutlass Ave., Hispaniola Ave., and Mutiny Ave. The total length of this area will be approximately 5,060 feet.
- F. Phase 6: Starting at the intersection of E Treasure Dr. with 79th Street Causeway and heading south to the limits with Phase 3, this area extends from the road to the bay. Its total length will be approximately 2,318 feet.

The total survey length for Treasure Island will be approximately 17,692 feet. The activities on Treasure Island will include:

Task 3.1. ROW and Topographic Surveying Services

PDS will perform a ROW and Topographic specific purpose survey of the areas shown on Figure 4. Project Area –Treasure Island. This task will include a desktop review of available and recorded public information of the area of work described above, the task will also include researching and collecting all available roadway plat documents from public record library, request and research available as-built and record drawings for both routes shown. With this, a ROW file will be drafted into an AutoCAD based drawing showing all right of way (ROW) lines, easement lines and property lines available in the recorded plat documents for all routes.

For the different areas, this survey will include location and elevations of all above ground and visible features including edge of pavement, valve covers, manholes, slabs, poles, above ground utilities, pull boxes, curbing, landscaping, hardscape, trees, catch basins, fencing, walls, bridge overhang limits, etc., within the survey area. The Survey will depict all existing surface conditions, including Street right-of-way lines which will be depicted on the survey in accordance with the current instruments of record that are available. No title work is anticipated to be required for this work authorization. Topography will be provided in NAVD (1988) vertical datum. Final deliverable will include a signed and sealed Topographic Survey and an AutoCAD base file suitable for use in the final design.

PDS will perform cross sections of elevation points at no more than every 50', or closer if deemed necessary and at elevation changes. Once all field work has been completed and all data collected, all information will be imported into AutoCAD Civil 3D software and will be used to draw a topographic survey with layered assets depicting all available above ground features of the areas of interest. The AutoCAD files will be created utilizing **PDS's** AutoCAD Standards unless directed otherwise by the Client.

Drawings will follow our QA/QC procedures, and will be reviewed, signed, and sealed by a Florida registered Professional Land Surveyor. The survey will be provided in hard copies, in AutoCAD format and in PDF.

Task 3.2. Utility Coordination

This task involves comprehensive utility coordination efforts to map and document underground utilities within the project area. The process will begin concurrently with task 3.1 and includes preparing a Design Ticket and contacting all utilities identified to have underground infrastructure within the project vicinity. PDS will prepare a letter requesting As-Built drawings from utility owners and distribute them to all relevant parties.



PDS will develop a tracking matrix and regularly update the answers received to monitor utility company responses. Upon receipt of information, the consultant will digitize all data using AutoCAD Civil3D to represent the horizontal location of underground utilities as depicted in the provided drawings.

All utility lines will be appropriately layered and labeled to ensure clarity and provide engineering designers with all available information from the obtained As-Built drawings.

Furthermore, this task involves contacting relevant agencies to request roadway as-builts in an effort to identify additional underground infrastructure, such as stormwater management systems and street lighting.

All compiled information, including utility data and other underground lines, will be integrated into a single AutoCAD file. Underground utilities file will be adjusted once information from the field data collection becomes available, adjusting placement of utilities based on surveyed locations of above ground features such as valve covers, and manhole covers along the selected route. This file will serve as an overlay of the survey to depict all known underground utilities, providing crucial information for project planning and design.

Task 3.3. <u>Subsurface Utilities Investigation</u>

The information gathered in task 3.2 will be provided to the client that shall identify up to 20 locations where additional information is needed for final design.

PDS will then conduct designation at twenty (20) locations provided by the client within the area of work shown above to locate the horizontal location of existing utilities in the project area. Area will be marked using paint and/or flag markers identifying only the existing utilities at the location of the 20 soft digs.

At the twenty (20) locations identified by the Client, PDS will perform soft dig exploratory test holes in compliance with Location Services - (Quality Level 'A'). This proposal includes up to twenty (20) test holes at the specific locations requested by the design engineer to be performed by soft dig methods. Test holes will be utilized to expose utilities to minimize any potential for damage. Test holes performed will be of minimum size (usually 1' by 1'). Backfill of test holes will be performed utilizing the removed material, if suitable. Areas will be restored back as close as possible to their original condition. Impervious soft dig locations will be finished with compacted cold mix asphalt regardless of existing finish. Installation of an identifiable above ground marker will be performed at each test hole location. Field markers will consist of a nail and disk in asphalt, or an iron rod and cap with survey stake in grassed areas. The test hole number and utility will be identified on the ground or on the stake, as appropriate. A test hole summary report will be created providing coordinates, depth of cover, type, size, and material if applicable, measured with survey grade equipment and accuracy. Deliverables will include the reports in PDF format and an AutoCAD file with the mapped locations and elevations of the test holes, and utilities found in demarcation. It is assumed that all soft digs will be released for work at the same time, and that no MOT permit is required, but basic MOT will be provided. Owner shall provide as-builts of utilities being targeted prior to execution of the work.



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Please note that the designation and soft dig activities are inhibited by groundwater. GPR scanning results of underground utilities underwater are not reliable and often missed. Electromagnetic induction works on metallic underground utilities, or utilities with tracer wire, however, non-metallic utilities under the water table may not be able to be located. Furthermore, soft dig exploratory excavations are performed with vacuum truck, and once the excavation hits the groundwater, vacuum attachment pulls groundwater out of the excavation, and it is not possible to continue excavation much further than the groundwater level encountered. It is possible that utility under the groundwater would not be able to be visually verified as of size and material even if it's found, as it will be impossible to observe under the disturbed groundwater inside the excavation pit. Test hole will be considered complete once test hole becomes unfeasible under water table and billed as such.



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PROPOSED COST OF SERVICES

PDS has prepared the attached man hour estimate for this project to prepare corresponding fees for the services outlined above. PDS can complete tasks described in the scope of services as follows:

Task 1. North Bay Island

Task 1.1.	ROW and Topographic Surveying Services (paid on lump sum basis)	<u>\$87,295.83</u>
Task 1.2.	Utility Coordination (paid on lump sum basis)	\$38,131.95
Task 1.3.	Subsurface Utilities Investigation (20 test holes \$1,350 each)	\$ 33,750.00

Subtotal task 1

Task 2. Harbor Island

Task 2.1.	ROW and Topographic Surveying Services (paid on lump sum basis)	\$48,838.26
Task 2.2.	Utility Coordination (paid on lump sum basis)	\$ 25,294.95
Task 2.3.	Subsurface Utilities Investigation (20 test holes \$1,350 each)	\$ 20,250.00

Subtotal task 2

Task 3. Treasure Island

Task 3.1.	ROW and Topographic Surveying Services (paid on lump sum basis)	\$194,011.74
Task 3.2.	Utility Coordination (paid on lump sum basis)	\$ 86,743.95
Task 3.3.	Subsurface Utilities Investigation (20 test holes \$1,350 each)	\$ 81,000.00

Total Lump Sum + Reimbursables	\$618,316.68
Total Reimbursables	\$3,000.00
Consumable Survey Materials	\$ 3000.00
Reimbursables	
Total Lump Sum	\$615,316.68
Subtotal task 3	\$361,755.69

\$159,177.78

\$94,383.21



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PROPOSED TIME SCHEDULE

After obtaining NTP on this project, we can start approved work one week and estimate a completion time as follows:

 Task 1
 14 weeks

 Task 2
 8 Weeks

 Task 3
 23 Weeks

The total expected duration for the project is 34 weeks. We value the opportunity to provide our professional services on this exciting project. If you have any questions, please call us at (954)-237-7850.

Sincerely,

PREMIERE DESIGN SOLUTIONS, Inc.

Luis J. Jurado, P.E. President

EXCLUSIONS

- 1. No sod restoration is included. It is possible that if soft digs are required on sodded areas, trucks will need to drive over sodded areas damaging the ground cover. While we will attempt not to disturb existing ground cover and sod, damaged areas will not be re-sodden. Our crews will never drive over playing field areas.
- 2. No permitting services are included.
- 3. No design services are included.
- 4. No tree survey or tree relocation plans are included.
- 5. FEMA Flood Information not included.
- 6. No MOT Permit, Design, barricades, or Off-Duty Police is included.
- 7. No land clearing of overgrown vegetation is included.
- 8. Services that are not mentioned as part of the exclusions and are not described in the scope of services are not included.

If requested by the Client, PDS can provide a proposal for the items not included in the scope of services.



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CONTRACT TERMS AND AGREEMENTS

- 1. Client and/or Owner shall coordinate and assist Survey Crew to obtain access to private properties.
- 2. This contract agreement is for a lump sum contract. Additional work, if approved by owner, performed under the scope of services will be billed on a time-spent basis per our current schedule of fees at time of work execution.
- 3. Invoices are due net thirty days from invoice date.
- 4. Any invoices past due more than 30 days will accrue a 1.5% interest per month fee.
- 5. Client shall provide drawings or sketches detailing project area extents.



Exhibit C – FEE ESTIMATE

6401 SW 87th Avenue Suite 200 Miami, FL 33173 305.670.2350 💿 🖸 🖸 🖸 🕲 bcceng www.bcceng.com



PROPOSAL FEES SCHEDULE

Project Name:	ROW & Topographic Survey	DOC SH-H	bu Calenary		Sec. Sec.
Proposal Date	5/31/2024	BCC Stall	by Category		
Task No.	Description	Principal Engineer	Project Manager	TOTAL HOURS	TOTAL FEE
		\$276.00	\$235.00		
1.0	Project Coordination and Project Management	8	16	24	\$ 5,968.00
2.0	ROW & Topographic Survey/Utility Coordination/Subsurface Utilities Investigation Services (Subconsultant)				\$ 615,316.68
	Reimbursable Expenses				\$ 3,000.00
Total Hours		8	16	24	
Total Fee		\$ 2,208.00	\$ 3,760.00	Las States	\$ 624,284.68

Stormwater GOB Capital Fund

			St	orn	nwater GOB	Co	apital Fund								
												1	EXP/CHEN/		
			Actual		Actual		Actual	FY 24 Budget	EXP/CHEN/	F	Y 24 Budget	F	RIBBECK BA	1	FY 24 Budget
Project#	F	Y 24 Budget	B&V		B&V		B&V	Balance	RIBBECK		Balance		6/11		Balance
24-01	\$	147,598.00	\$ 6,527.99	\$	3,746.46	\$	5,221.41	\$ 132,102.14	\$ 598,218.00	\$	(466,115.86)	\$	466,11.5.86	\$	-
24-02	\$	344,294.00	\$ 15,240.31	\$	8,746.51	\$	12,189.95	\$ 308,117.23		\$	308,117.23			\$	308,117.23
24-03	\$	223,518.00	\$ 9,898.09	\$	5,680.58	\$	7,916.97	\$ 200,022.36		\$	200,022.36			\$	200,022.36
24-04	\$	540,792.00	\$ 23,940.14	\$	13,739.40	\$	19,148.50	\$ 483,963.96	\$ 617,266.00	\$	(133,302.04)	\$	133,302.04	\$	
24-05	\$	564,143.00	\$ 24,963.65	\$	14,326.80	\$	19,967.15	\$ 504,885.40	\$ 416,164.00	\$	88,721.40			\$	88,721.40
24-06	\$	407,301.00	\$ 18,023.76	\$	10,343.95	\$	14,416.28	\$ 364,517.01		\$	364,517.01			\$	364,517.01
24-07	\$	542,500.00	\$ 24,015.03	\$	13,782.38	\$	19,208.40	\$ 485,494.19		\$	485,494.19			\$	485,494.19
24-08	\$	50,000.00	\$ 2,209.28	\$	1,267.92	\$	1,767.09	\$ 44,755.71		\$	44,755.71			\$	44,755.71
	\$	2,820,146.00	\$ 124,818.25	\$	71,634.00	\$	99,835.75	\$ 2,523,858.00	\$ 1,631,648.00	\$	892,210.00	\$	599,417.90	\$	1,491,627.90
						\$	296,288.00								8

			FY 24 Budget		F	Y 24 Budget	
Project#		Ba	alance Forward	BCC		Balance	BCC
24-01	0.049	\$	-	\$ 30,296.82	\$	(30,296.82)	\$ 30,296.82
24-02	0.0717	\$	308,117.23	\$ 44,777.62	\$	263,339.61	
24-03	0.070	\$	200,022.36	\$ 43,387.93	\$	156,634.43	
24-04	0.1682	\$	-	\$ 104,975.08	\$	(104,975.08)	\$ 104,975.08
24-05	0.1754	\$	88,721.40	\$ 109,507.90	\$	(20,786.50)	\$ 20,786.50
24-06	0.1266	\$	364,517.01	\$ 79,062.73	\$	285,454.28	
24-07		\$	485,494.19	\$ -	\$	485,494.19	
24-08		\$	44,755.71	\$ -	\$	44,755.71	
25-01	0.0357	\$	-	\$ 22,303.43	\$	(22,303.43)	\$ 22,303.43
25-02	0.040	\$	-	\$ 24,928.51	\$	(24,928.51)	\$ 24,928.51
25-03	0.1119	\$	-	\$ 69,868.12	\$	(69,868.12)	\$ 69,868.12
25-04	0.102	\$	-	\$ 63,547.42	\$	(63,547.42)	\$ 63,547.42
25-05	0.0266	\$	-	\$ 16,585.66	\$	(16,585.66)	\$ 16,585.66
26-01	0.0133	\$	-	\$ 8,274.29	\$	(8,274.29)	\$ 8,274.29
26-02	0.0108	\$	-	\$ 6,769.18	\$	(6,769.18)	\$ 6,769.18
		\$	1,491,627.90	\$ 624,284.68	\$	867,343.22	\$ 368,335.01

		Ψ	1,401,027.00	Ψ	024,204.00	Ψ	007,040.		φ 000	,000.01		
Project#				\$	624,284.68							
24-01	0.049	\$	3,446,982.00	PRC	JECT-BUDGE	TED	TOTALS 5-	YEAR	PLAN (SW GOB	CAPITAL P	UND)
24-02	0.072	\$	5,094,517.00	USE	D FOR ALLOC	ATIO	N					
24-03	0.070	\$	4,936,406.00									
24-04	0.168	\$	11,943,406.00									
24-05	0.175	\$	12,459,122.00									
24-06	0.127	\$	8,995,261.00									
25-01	0.036	\$	2,537,544.00									
25-02	0.040	\$	2,836,209.00									
25-03	0.112	\$	7,949,156.00									
25-04	0.102	\$	7,230,027.00									
25-05	0.027	\$	1,887,012.00									
26-01	0.013	\$	941,397.00									
26-02	0.011	\$	770,155.00	_								
	1	\$	71,027,194.00	_								
		\$	72,344,694.00	_								
		\$	1,317,500.00									
24-07		\$	542,500.00	NOT	TINCLUDED F	ORB	CC ITEMS	5				
24-08		\$	775,000.00	NOT	TINCLUDED F	ORB	CC ITEMS	5				

\$ 1,317,500.00 \$

DIFF