

CITY OF KEY WEST TASK ORDER

DUVAL, WHITEHEAD, AND FRONT STREETS SURVEY
In coordination with

AVIROM AND ASSOCIATES
50 SW 2nd Ave Suite 102
Boca Raton, FL 33432

Scope of Services

This Task Order shall become a supplement to and part of the Architectural Services Agreement dated May 14, 2018 between **City of Key West**(City) and **Avirom and Associates**(Consultant). The following services are hereby agreed to as a part of this task order. Boundary and topographic surveys of City and County maintained portions of Duval, Whitehead and Front Streets North of Truman avenue. Surveys will include 25 foot elevation grid, cross sections every 100 feet of road, locations of visible utilities including surface features such as trees, lights, poles, signs as described in attached proposals for Area 1 and Area 2 dated November 12, 2019. Deliverables are to include complete electronic files in AutoCAD and Adobe PDF formats, as well as two hard copy prints.

Compensation

Professional fees for this Task Order will be as provided in the Agreement will be paid in a lump sum amount and are not to exceed \$ 57,243.00, no reimbursable expenses included in this task order.

Acceptance

By signature each party accepts the terms of this **TASK ORDER**.

CONSULTANT

City of Key West

By: _____

Date: _____

Date: _____



AVIROM & ASSOCIATES, INC.
SURVEYING & MAPPING

November 12, 2019

Via E-Mail: JYongue@CityofKeyWest-FL.gov

Mr. Johnnie Yongue, P.E.
Project Manager
City of Key West
1300 White Street,
Key West, FL 33040

*Re. Front Street, Whitehead Street and Duval Street Repaving – Area 1
Surveying Services (Revised 1)*

We shall perform a topographic survey of existing conditions at Area 1 in accord with the Statement of Work you provided.

Limits Area 1:

The bandwidth of the route shall be the full right-of-way width of all streets and shall extend for 30 feet beyond the right-of-way in all directions at each street intersections as delineated within the attached Exhibits incorporated herein for reference.

- a. A 50-foot wide section of Duval Street - Eaton Street to 160 feet past Wall Street (approximately 1,600 linear feet) as delineated in yellow shown on Exhibit A.
- b. A 50-foot wide section of Whitehead Street - Eaton Street to Front Street (approximately 1,200 linear feet) as delineated in yellow shown on Exhibit B.
- c. A 50-foot wide section of Front Street - Whitehead Street to the A and B Lobster House sign (approximately 1,500 linear feet) as delineated in magenta shown on Exhibit C.

Topographic Survey:

Obtain sufficient elevations to define the existing topography in detail, and to generate 1' contours, including significant grade changes in elevations.

The spot elevations will be obtained on a 25-foot grid with a bandwidth of the full right-of-way of the streets, extending 30-feet beyond the right-of-way in each direction at all intersections.

Cross-sections shall be performed at every 100-foot to capture centerline grade, edge of pavement grades, sidewalk grades, high/low points with intermediate grades obtained at all grade breaks and driveways.

The elevations shall be referenced to the National Geodetic Vertical Datum of 1929 (NGVD 29) and horizontally referenced to the North American Datum of 1983 (NAD 83-2011) Epoch 2010.00 and tied to the National Geodetic Survey benchmark network. Additionally, we shall establish benchmarks along the route at a maximum of 1,000' or line of sight to utilize for future construction. We shall calculate and place the vertical conversion factor from NGVD 29 to the North American Vertical Datum of 1988 (NAVD 88) on the face of the map.

We shall locate all above ground improvements including, but not limited to pavement, ramps, driveways, buildings, steps, gates, edge of curb, top of curb, flow line of curb, edge of pavement, centerline of pavement, back of walk, face of walk, parking pay stations and above ground evidence of utility.

We will obtain rim elevations of sewer and drainage structures where possible. Utility locations will include fire hydrants, water valves, meter boxes, vaults and electrical outlets, power poles and overhead wires. We will locate wells, main irrigation valves, but will not locate individual sprinkler heads.

There is no provision for the excavation, probing or location of underground utilities structures or improvements. Utilities shall be located to the extent that they are above ground and visible. This proposal does not include obtaining inverts, material, direction of flow or the contracting of an underground utility locating service to locate the subsurface utilities.

The survey data will be reported to the nearest 0.05 feet for horizontal locations and for the vertical component, 0.1 feet spot elevations on ground shots and 0.03' spot elevations on paving or hard surfaces, with all work performed in accordance with the Standards of Practice as defined in Chapter 5J -17, Florida Administrative Code. The work shall also comply with the additional standards as specified in Item 1.4 Standards of the Statement of Work.

We shall establish a baseline of survey along the centerline of the right-of-way, referenced horizontally to the North American Datum of 1983 (NAD 83-2011) Epoch 2010.00.

We shall research the Monroe County Property Appraiser's database to delineate the current ownership lines within our survey. We will graphically delineate right-of-way lines and lot lines from information obtained by this firm from recorded plats and/ or right -of-way maps, readily available from the Public Records of Monroe County at the time of the survey. This information will be spatially placed within the digital file of the topographic survey, based on recovered monumentation to depict the lines relative to the topographic locations. This is not a boundary survey and the information should not be relied upon as such. There is no provision to perform boundary surveys or surveys to resolve conflicts, ownerships or occupation issues relative to the recorded instruments. It is strongly recommended that if the design is contingent on accurate

boundary placement and especially prior to construction, a boundary survey should be performed to establish the lines. We will not be responsible for the misuse of the topographic survey for purposes it was not intended.

Tree Survey:

We will locate all indigenous and protected specimen trees having a 4" and larger caliper diameter at breast height, with the tree species listed to the best of knowledge and ability of the surveyor (without the benefit of a botanist or landscape architect). It is the responsibility of the end user to verify the identity of the species.

The location of shrubbery and landscaping is not included in this proposal. Large, bunched groups of trees shall be located as clusters with a count and diameter listed. We will not locate exotic or non-native species.

Deliverables:

1. Provide two (2) signed and sealed certified hard copies of the topographic survey.
2. Digital PDF file, ASCII comma delimited file of the points and an AutoCAD 2018 or lower format file of the above survey.
3. The delivery format shall be as specified under Item 1.10 Data Delivery Format of the Statement of Work.

Clarifications:

- This proposal is based on one mobilization by our crew from Boca Raton to accomplish the project.
- Requirements to the survey requested by governmental agencies that are more stringent than Standards of Practice as set forth in Chapter 5J-17 FAC pursuant to Section 472 Florida Statutes will be an additional expense.
- This proposal is based on the site being free and clear of storm debris. We will not move obstacles that impede obtaining the survey data, or if field conditions are considered hazardous to the safety of our crews.

Timeframe:

After receipt of an executed contract we can mobilize to the site within one (1) week. We can phase the project and begin submittals within four (4) weeks after mobilization, with an anticipated completion of the entire project within eight (8) weeks. Mobilization is dependent on the availability of accommodations for our field crew.

Fee:

The itemized fee to provide the above surveying services shall be lump sum:

- | | |
|------------------------------------|----------------------|
| 1. Duval Street – Area 1 | \$13,470.00 lump sum |
| 2. Whitehead Street – Area 1 | \$ 8,900.00 lump sum |
| 3. Front Street | \$11,974.00 lump sum |
| TOTAL \$34,344.00 lump sum | |

Thank you for the opportunity to submit this proposal. Should you have any questions, please contact me accordingly.

Respectfully,



Keith M. Chee-A-Tow, P.L.S.
Project Surveyor

Documents\Proposals\Keys\City of Key West\Key West Streets\Duval Front Whitehead\P_Duval_Front_Whitehead_Area 1_Rev1.docx

EXHIBIT A

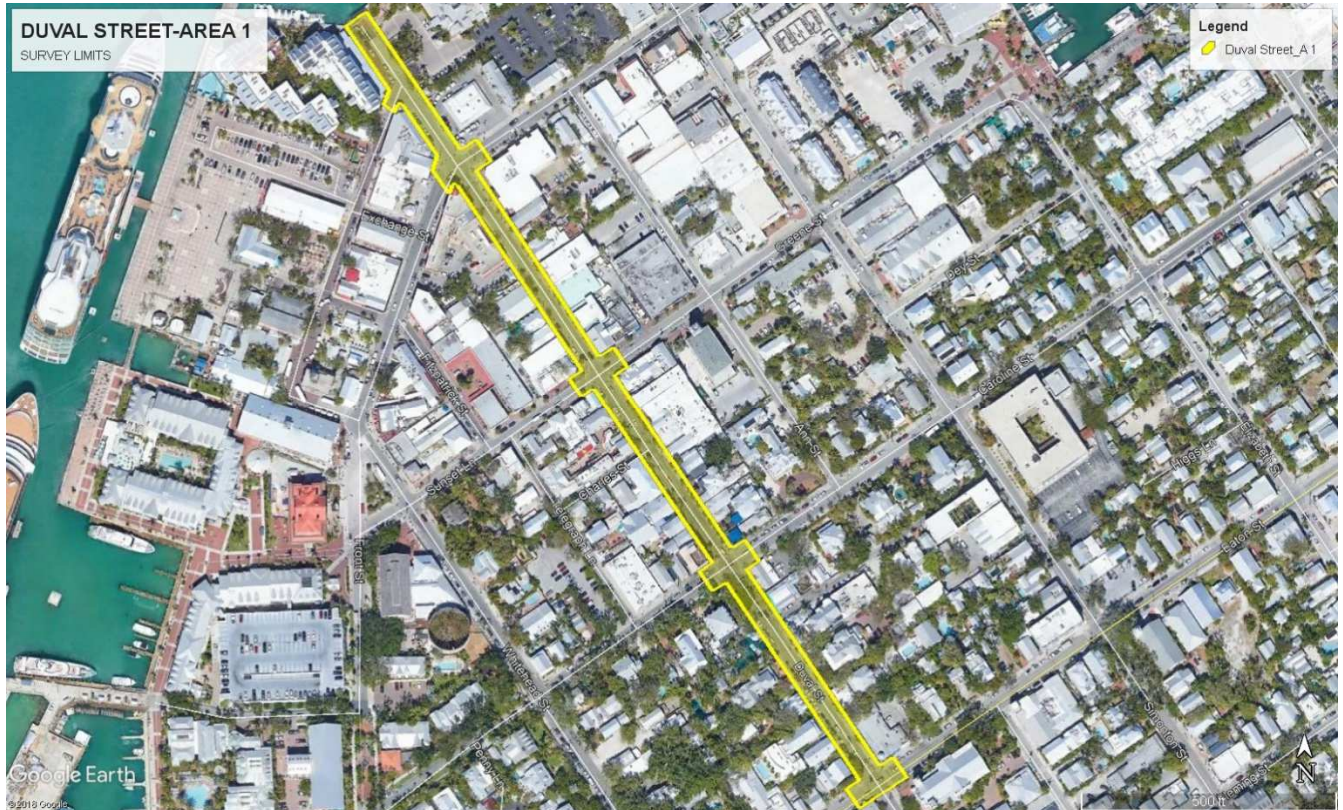


EXHIBIT B

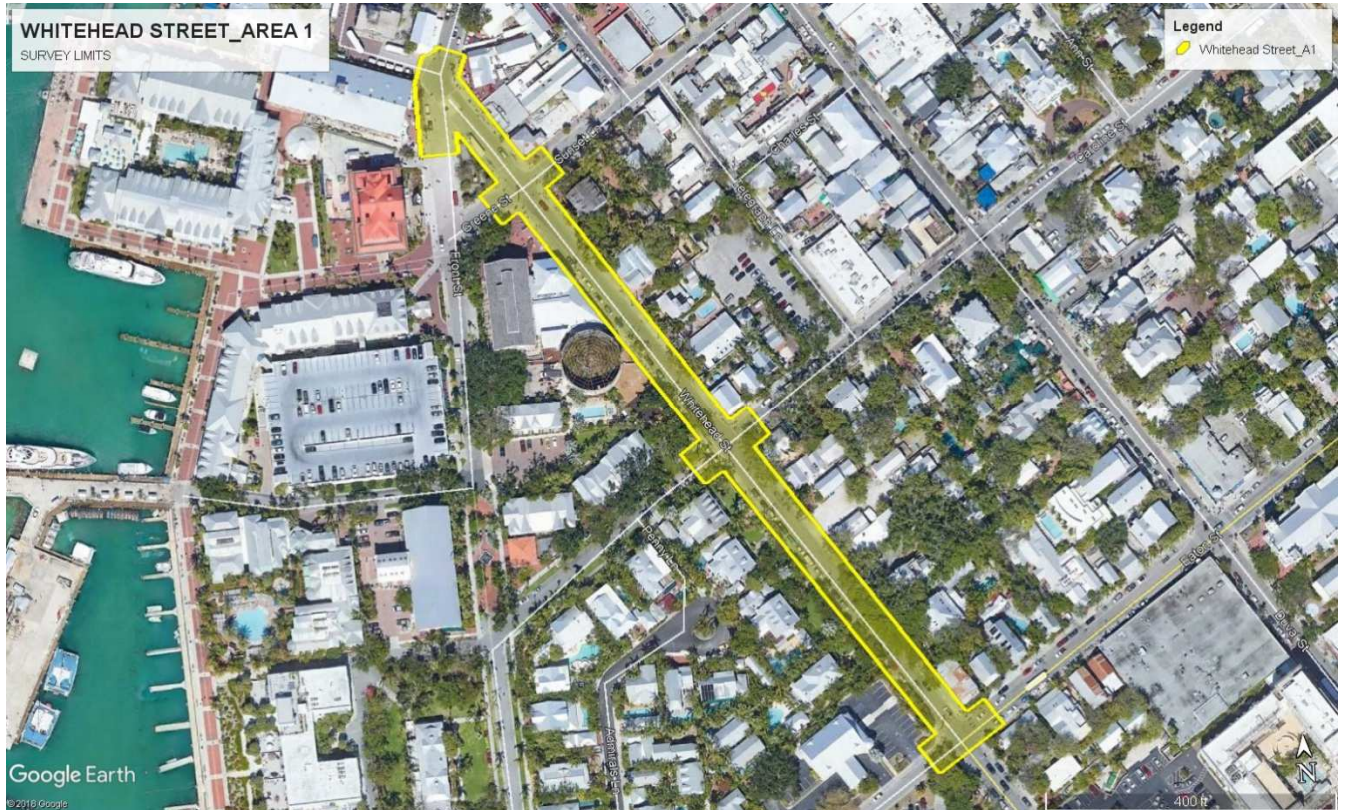
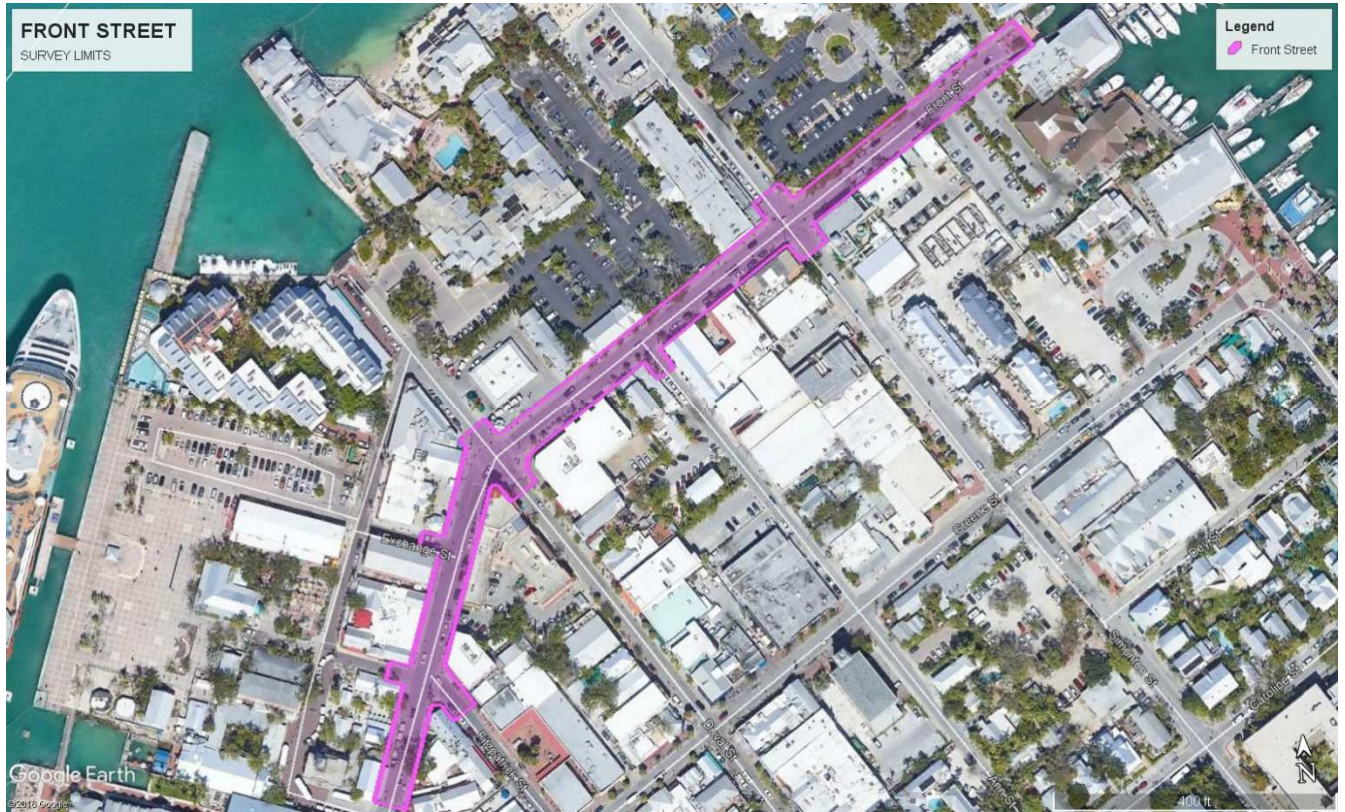


EXHIBIT C





AVIROM & ASSOCIATES, INC.
SURVEYING & MAPPING

November 12, 2019

Via E-Mail: JYongue@CityofKeyWest-FL.gov

Mr. Johnnie Yongue, P.E.
Project Manager
City of Key West
1300 White Street,
Key West, FL 33040

Re. *Whitehead Street and Duval Street Repaving_Area 2
Surveying Services (Revised 1)*

We shall perform a topographic survey of existing conditions at Area 2 in accord with the Statement of Work you provided.

Limits Area 2:

The bandwidth of the route shall be the full right-of-way width of all streets and shall extend for 30 feet beyond the right-of-way in all directions at each street intersections as delineated within the attached Exhibits incorporated herein for reference.

- a. A 50-foot wide section of Duval Street from Eaton Street to Truman Avenue (approximately 2,559 linear feet) as delineated in magenta shown on Exhibit A.
- b. A 50-foot wide section of Whitehead Street from Eaton Street to Fleming Street (approximately 420 linear feet) as delineated in magenta shown on Exhibit B.

Topographic Survey:

Obtain sufficient elevations to define the existing topography in detail, and to generate 1' contours, including significant grade changes in elevations.

The spot elevations will be obtained on a 25-foot grid with a bandwidth of the full right-of-way of the streets, extending 30-feet beyond the right-of-way in each direction at all intersections.

Cross-sections shall be performed at every 100-foot to capture centerline grade, edge of pavement grades, sidewalk grades, high/low points with intermediate grades obtained at all grade breaks and driveways.

The elevations shall be referenced to the National Geodetic Vertical Datum of 1929 (NGVD 29) and horizontally referenced to the North American Datum of 1983 (NAD 83-2011) Epoch 2010.00 and tied to the National Geodetic Survey benchmark network. Additionally, we shall establish benchmarks along the route at a maximum of 1,000' or line of sight to utilize for future construction. We shall calculate and place the vertical conversion factor from NGVD 29 to the North American Vertical Datum of 1988 (NAVD 88) on the face of the map.

We shall locate all above ground improvements including, but not limited to pavement, ramps, driveways, buildings, steps, gates, edge of curb, top of curb, flow line of curb, edge of pavement, centerline of pavement, back of walk, face of walk, parking pay stations and above ground evidence of utility.

We will obtain rim elevations of sewer and drainage structures where possible. Utility locations will include fire hydrants, water valves, meter boxes, vaults and electrical outlets, power poles and overhead wires. We will locate wells, main irrigation valves, but will not locate individual sprinkler heads.

There is no provision for the excavation, probing or location of underground utilities structures or improvements. Utilities shall be located to the extent that they are above ground and visible. This proposal does not include obtaining inverts, material, direction of flow or the contracting of an underground utility locating service to locate the subsurface utilities.

The survey data will be reported to the nearest 0.05 feet for horizontal locations and for the vertical component, 0.1 feet spot elevations on ground shots and 0.03' spot elevations on paving or hard surfaces, with all work performed in accordance with the Standards of Practice as defined in Chapter 5J -17, Florida Administrative Code. The work shall also comply with the additional standards as specified in Item 1.4 Standards of the Statement of Work.

We shall establish a baseline of survey along the centerline of the right-of-way, referenced horizontally to the North American Datum of 1983 (NAD 83-2011) Epoch 2010.00.

We shall research the Monroe County Property Appraiser's database to delineate the current ownership lines within our survey. We will graphically delineate right-of-way lines and lot lines from information obtained by this firm from recorded plats and/ or right -of-way maps, readily available from the Public Records of Monroe County at the time of the survey. This information will be spatially placed within the digital file of the topographic survey, based on recovered monumentation to depict the lines relative to the topographic locations. This is not a boundary survey and the information should not be relied upon as such. There is no provision to perform boundary surveys or surveys to resolve conflicts, ownerships or occupation issues relative to the recorded instruments. It is strongly recommended that if the design is contingent on accurate boundary placement and especially prior to construction, a boundary survey should be performed to establish the lines. We will not be responsible for the misuse of the topographic survey for purposes it was not intended.

Tree Survey:

We will locate all indigenous and protected specimen trees having a 4" and larger caliper diameter at breast height, with the tree species listed to the best of knowledge and ability of the surveyor (without the benefit of a botanist or landscape architect). It is the responsibility of the end user to verify the identity of the species.

The location of shrubbery and landscaping is not included in this proposal. Large, bunched groups of trees shall be located as clusters with a count and diameter listed. We will not locate exotic or non-native species.

Deliverables:

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Timeframe:

After receipt of an executed contract we can mobilize to the site within one (1) week. We can phase the project and begin submittals within four (4) weeks after mobilization, with an anticipated completion of the entire project within eight (8) weeks. Mobilization is dependent on the availability of accommodations for our field crew.

Fee:

The itemized fee to provide the above surveying services shall be lump sum:

1. Duval Street – Area 2	\$19,457.00 lump sum	
2. Whitehead Street – Area 2	\$ 3,442.00 lump sum	
TOTAL		\$22,899.00 lump sum

Thank you for the opportunity to submit this proposal. Should you have any questions, please contact me accordingly.

Respectfully,



Keith M. Chee-A-Tow, P.L.S.
Project Surveyor

Documents\Proposals\Keys\City of Key West\Key West Streets\Duval Front Whitehead\P_Duval_Whitehead_Area 2_Rev2.docx

EXHIBIT A

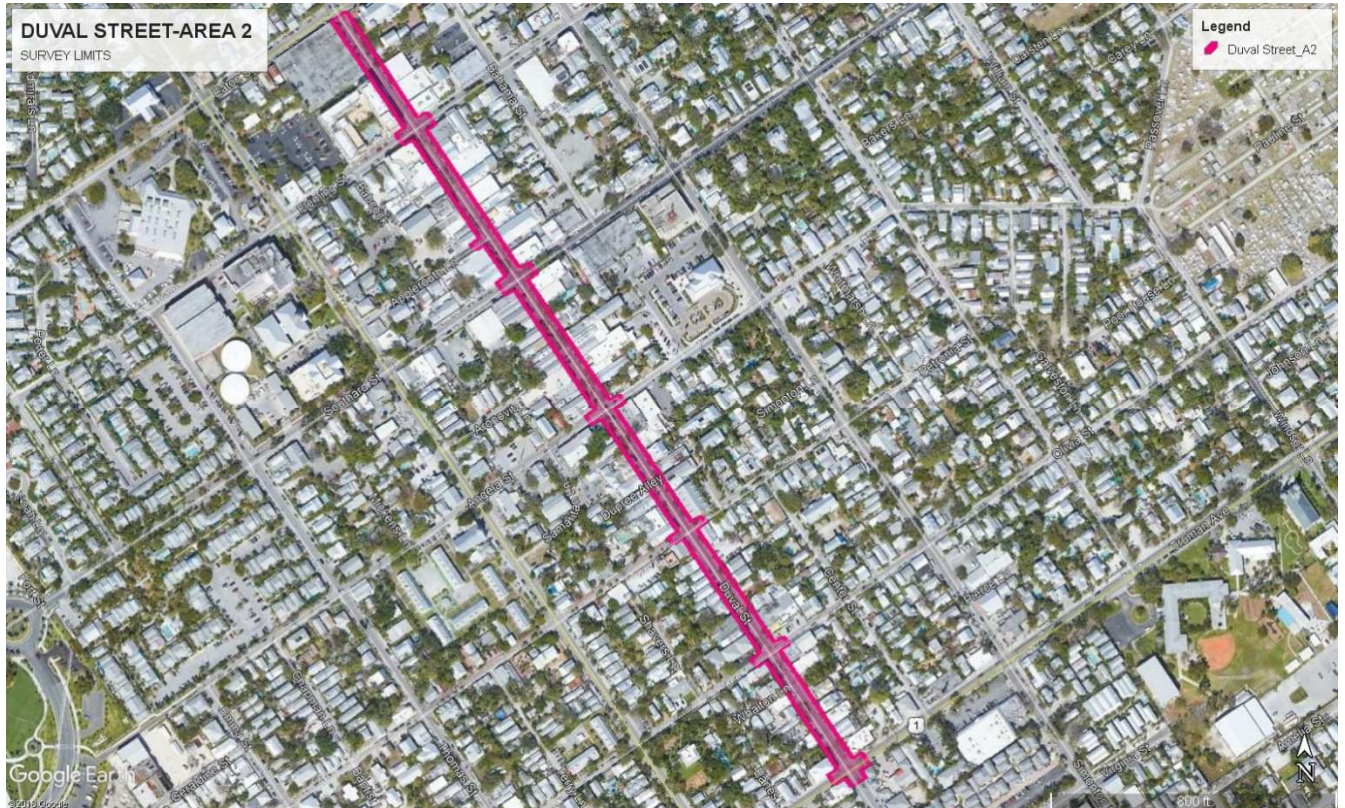


EXHIBIT B

