



To: Honorable Mayor and Village Council

Date: August 3, 2016

From: Edward Silva, Village Manager

Re: Installation of Multiple
Permanent Speed Tables South of
SW 168th Street from SW 87th
Court to SW 84th Avenue

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO CONTRACTS FOR CONSTRUCTION OF TRAFFIC CALMING IMPROVEMENTS; APPROVING THE SELECTION OF WILLIAMS PAVING COMPANY TO PROVIDE CONSTRUCTION SERVICES FOR THE INSTALLATION OF MULTIPLE PERMANENT ASPHALTIC SPEED TABLES IN AN AREA SOUTH OF SW 168TH, NORTH OF SW 180TH STREET FROM SW 87TH COURT TO SW 84TH AVENUE ON SW 174TH ST, SW 84TH AV, SW 86TH AVENUE AND SW 87TH COURT; FURTHER AUTHORIZING THE VILLAGE MANAGER TO APPROVE EXPENDITURE OF FUNDS IN AN AMOUNT UP TO \$85,000 FOR PERMANENT TRAFFIC CALMING DEVICES THAT WILL SUBSTANTIALLY IMPROVE THE FLOW OF TRAFFIC; PROVIDING FOR AUTHORIZATION; AND PROVIDING FOR AN EFFECTIVE DATE. (Sponsored by Councilmember Larissa Siegel Lara and Co-Sponsored by Councilmember Tim Schaffer)

BACKGROUND AND ANALYSIS:

The Village of Palmetto Bay is committed to the safety and livability of residential neighborhoods. Local and collector neighborhood streets are intended to provide access as a primary function with the needs of all road users generally given priority over moving traffic. When residential and collector roadways become cut-through routes, traffic volume, vehicle speed and road user safety becomes an issue. The Village receives numerous complaints about speeding, cut through traffic and road user safety every year, many of which are accompanied by requests for traffic calming devices such as permanent speed humps, speed tables, turn restrictions, and all-way stops.

In response to numerous requests for traffic calming in various locations throughout the Village of Palmetto Bay, the Public Services Department commenced a pilot program in December 2015 for the placement of temporary speed hump devices for a 90-day period at various locations that were identified in the June 18, 2015 Traffic Calming Initiative Presentation.

The temporary speed humps were placed in accordance with the Village's Traffic Calming Request Policies and Procedures and Miami Dade County Traffic Flow Modification Street Closure(s) Procedures for installation of temporary traffic calming devices.

The temporary devices once installed determined the effectiveness of the temporary device in alleviating speeding and volume concerns of vehicles on residential roadways during a.m. and p.m. peak hours when school and work traffic traverses through the Village. Temporary speed hump devices effectively reduced speeds to 25 mph or less with nominal reduction in volume as most cars attempted to maneuver around the device to avoid impact further resulting in decreased speed of the vehicle.

The following streets are considered two-lane local streets that provide north-south connectivity for commuters heading north on SW 82nd Avenue, residential neighborhoods in the Village, Perrine Elementary, Southwood Middle and Coral Reef Elementary:

- SW 86th Avenue;
- SW 84th Avenue;
- SW 87th Court;
- SW 174th Street.

The posted speed limit on these roadways is 30 mph with the exception of SW 86th Avenue, which is 25 mph. There are also signs indicating a school zone near SW 87th Court. There are “no right turn” signs at multiple intersections along SW 87th Avenue that restrict traffic from traversing onto SW 86th Avenue, SW 84th Avenue, and SW 174th Street between the hours of 7-9 A.M. (peak hours).

The Village’s Policing Unit executed a traffic calming demonstration project to strictly enforce the “no right turn” restriction signs on SW 87th Avenue. Enforcement of the “no right turn” signs resulted in traffic delays on SW 87th Avenue and SW 168th Street. The feasibility of policing each intersection on a daily basis is impossible; therefore, Village Administration has determined that speed tables are the most appropriate type of traffic calming device for placement on SW 86th Avenue, SW 84th Avenue, SW 87th Court, and SW 174th Street for the efforts of reducing speeding of vehicles that make illegal turn movements on SW 87th Avenue between the hours of 7:00 – 9:00 A.M.

As the school year approaches for fiscal year 2016-17, the volume and speed of traffic will once again exceed the peak hours of speed and traffic volume per hour threshold value which defines the point those local residential streets begins to lose its livability. Based on field observations and data collected relevant to (traffic intrusion, excessive traffic volume, speeding, traffic conditions, etc.), staff recommends the installation of permanent speed tables, which are devices installed on residential streets for the purposes of reducing motor vehicle speeds. The speed tables will be constructed with asphalt materials and are 22 feet in length with a flat top maximum height of 3.5 inches. The design of the flat top speed hump contains two, six feet tapered sections with a 10 feet flat section in the middle. The flat top speed table is designed for use on residential streets. The spacing of speed tables range between 300-500 feet. When speed tables are properly spaced, average vehicular speeds between speed tables range between 20 to 25 mph. The permanent speed tables recommended for placement on SW 86th Avenue between SW 172nd Street and SW 174th Street, SW 84th Avenue between SW 168th Street and SW 180th Street, SW 87th Court between SW 168th Street and SW 174th Street, and SW 174th Street between SW 84th Avenue and SW 87th Avenue will effectively reduce vehicular speed to 25 mph or less in this neighborhood.

Administration requested and received pricing from three contractors for construction of asphaltic speed tables at various locations throughout the Village. The lowest, most responsive proposal received was from Williams Paving Company for an amount of \$5,985.00 per speed table installed. Attached is (Exhibit 1), which details the location and number of speed tables planned for installation at each location for a total project amount not to exceed \$85,000. Village Administration finds that the proposed Resolution is in the best interest and welfare of the residents of the Village of Palmetto Bay. It is requested that the Village Council authorize the Village Manager to execute an agreement with William Paving Company to construct speed tables for the construction of speed tables on SW 86th Avenue between SW 172nd Street and SW 174th Street, SW 84th Avenue between SW 168th Street and SW 180th Street, SW 87th Court between SW 168th Street and SW 174th Street, and SW 174th Street between SW 84th Avenue and SW 87th Avenue for an amount of \$5,985.00 per speed table with a total project cost not to exceed \$85,000. Funding for this project is in the FY 2015-2016 Capital Improvement Plan.

FISCAL/BUDGETARY IMPACT:

The project is estimated to cost \$85,000. Funding is available and budgeted for this item under “Special Revenue Fund- Transportation – Traffic Calming” in an amount not to exceed \$85,000 in Fiscal Year 2015-2016.

RECOMMENDATION:

Approval is recommended.

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RESOLUTION NO. 2016-____

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO CONTRACTS FOR CONSTRUCTION OF TRAFFIC CALMING IMPROVEMENTS; APPROVING THE SELECTION OF WILLIAMS PAVING COMPANY TO PROVIDE CONSTRUCTION SERVICES FOR THE INSTALLATION OF MULTIPLE PERMANENT ASPHALTIC SPEED TABLES IN AN AREA SOUTH OF SW 168TH, NORTH OF SW 180TH STREET FROM SW 87TH COURT TO SW 84TH AVENUE ON SW 174TH ST, SW 84TH AV, SW 86TH AVENUE AND SW 87TH COURT; FURTHER AUTHORIZING THE VILLAGE MANAGER TO APPROVE EXPENDITURE OF FUNDS IN AN AMOUNT UP TO \$85,000 FOR PERMANENT TRAFFIC CALMING DEVICES THAT WILL SUBSTANTIALLY IMPROVE THE FLOW OF TRAFFIC; PROVIDING FOR AUTHORIZATION; AND PROVIDING FOR AN EFFECTIVE DATE. (Sponsored by Councilmember Larissa Siegel Lara and Co-Sponsored by Councilmember Tim Schaffer)

WHEREAS, the Village of Palmetto Bay is committed to the safety and livability of its residential neighborhoods; and

WHEREAS, Resolution 2015-61 authorized expenditures for the purchase and installation of temporary speed hump devices on local residential streets; and

WHEREAS, in response to numerous requests for traffic calming in various locations throughout the Village of Palmetto Bay, in December of 2015, the Public Services Department commenced a pilot program for placement of temporary speed hump devices for a 90-day period at locations that were identified in the June 18, 2015 Traffic Calming Initiative Presentation; and

WHEREAS, temporary speed humps have been placed in accordance with the Village's Traffic Calming Request Policies and Procedures and Miami Dade County Traffic Flow Modification Street Closure(s) Procedures at various locations throughout the Village; and

WHEREAS, Miami-Dade County installed "NO Right Turn" restriction signs at multiple intersections on SW 87th Avenue between SW 168th and SW 184th to restrict east bound travel in a residential neighborhood east of SW 87th Avenue during the hours of 7:00 a.m. and 9:00 a.m.; and

WHEREAS, the temporary speed hump devices installed effectively reduced speeds to 25 mph or less with nominal reduction in volume; and

WHEREAS, SW 86th Avenue, SW 84th Avenue, SW 87th Court, and SW 174th Street are two-lane local streets that provide north-south connectivity for commuters heading north on SW 82nd Avenue, residential neighborhoods in the Village of Palmetto Bay, Perrine Elementary, Southwood Middle and Coral Reef Elementary; and

WHEREAS, the Village's Policing Unit executed a traffic calming demonstration project

1 to strictly enforce the “no right turn” restriction signs on SW 87th AV; and

2 **WHEREAS**, enforcement of the “no right turn” signs resulted in traffic delays on SW
3 87th Avenue from SW 184th Street to SW 168th Street and SW 168th Street from US-1 to SW 82nd
4 Avenue; and

5
6 **WHEREAS**, Village Administration has determined that speed tables are the most
7 appropriate type of traffic calming device for placement on SW 86th Avenue, SW 84th Avenue,
8 SW 87th Court, and SW 174th Street for the efforts of reducing speeding of vehicles that make
9 illegal turn movements on SW 87th Avenue between the hours of 7:00 a.m. and 9:00 a.m.; and

10
11 **WHEREAS**, based on field observations and data collected relevant to (traffic intrusion,
12 excessive traffic volume, speeding, traffic conditions, etc.), staff recommends the installation of
13 permanent speed tables; and

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15 **WHEREAS**, Administration requested and received proposals and pricing from three
16 contractors for construction of asphaltic speed tables at various locations throughout the Village
17 of Palmetto Bay; and

18
19 **WHEREAS**, the lowest, most responsive proposal received was from Williams Paving
20 Company for an amount of \$5,985.00 per speed table installed; and

21
22 **WHEREAS**, (Exhibit 1) details the location and number of speed tables planned for
23 immediate installation; and

24
25 **WHEREAS**, the school year for fiscal-year 2016-17 is approaching, the volume and
26 speed of traffic will once again exceed the peak hour speed and traffic volume per hour threshold
27 value which defines the point at which a local residential street begins to lose its livability once
28 the school year commences; and

29
30 **WHEREAS**, Village Administration finds that this Resolution is in the best interest and
31 welfare of the residents of the Village of Palmetto Bay and is requesting that the Village Council
32 authorize the Village Manager to execute an agreement with Williams Paving Company for the
33 construction of speed tables on SW 86th AV between SW 172nd ST and SW 174th ST, SW 84th AV
34 between SW 168th ST and SW 180th ST, SW 87th CT between SW 168th ST and SW 174th ST, and
35 SW 174th ST between SW 84th AV and SW 87th AV for an amount of \$5,985.00 per speed table
36 with a total project cost not to exceed \$85,000.

37
38 **NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND**
39 **VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, AS**
40 **FOLLOWS:**

41
42 **Section 1.** The Village Council hereby approves the selection of William Paving Company to
43 construct speed tables for the construction of speed tables on SW 86th AV between SW 172nd ST
44 and SW 174th ST, SW 84th AV between SW 168th ST and SW 180th ST, SW 87th CT between SW
45 168th ST and SW 174th ST, and SW 174th ST between SW 84th AV and SW 87th AV for an amount
46 of \$5,985.00 per speed table with a total project cost not to exceed \$85,000.
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1 **Section 2.** The Village Manager is hereby authorized to execute an agreement with Williams
2 Paving Company for construction of speed tables for a contract amount not to exceed \$85,000,
3 and related documentation on behalf of the Village, once approved as to final form, content and
4 legal sufficiency by the Village Attorney.
5

6 **Section 3.** This Resolution shall become effective upon the date of its adoption herein.
7

8 PASSED AND ADOPTED this _____ day of August 2016.
9

10
11
12 Attest: _____
13 Missy Arocha
14 Village Clerk
15

Eugene Flinn
Mayor

16
17 APPROVED AS TO FORM AND LEGAL SUFFICIENCY FOR THE USE
18 AND RELIANCE OF THE VILLAGE OF PALMETTO BAY, FLORIDA ONLY:
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20
21 _____
22 Dexter W. Lehtinen
23 Village Attorney
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27 FINAL VOTE AT ADOPTION:
28

29 Council Member Karyn Cunningham _____
30
31 Council Member Tim Schaffer _____
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33 Council Member Larissa Siegel Lara _____
34
35 Vice-Mayor John DuBois _____
36
37 Mayor Eugene Flinn _____



Village of Palmetto Bay
 9495 SW 180TH ST
 Palmetto Bay, FL 33157

Date: 07/27/2016
 Phone: (305) 969-5011
 Fax: (305) 969-5091

Attn: Danny Casals

Project: Asphalt Speed Tables

Locations: Sw 87th Ct & Sw 168th St, Sw 84th St & Sw 168th St, Sw 86th St & Sw 172nd St
 & Sw 174th St & Sw 84th Ave

Plans & Specs by: Corradino
 Sheets: 6 OF 7
 Dated: N/A
 Revisions: None to Date

Description	Qty	Units	SubTotal
CONSTRUCTION OF ASPHALT SPEED TABLE	1.00	EA	\$5,985.00
GRAND TOTAL			\$5,985.00

ADDITIONAL NOTES OR EXCLUSIONS:

1. QUOTED USING ROAD FULL ROAD CLOSURE.
2. NO STAMPED ASPHALT WAS QUOTED ABOVE.
3. THE ABOVE QUOTED IS PER EACH SPEED TABLE.
4. NO BOND WAS INCLUDED IN THE ABOVE QUOTE.

REMARKS: WILLIAMS PAVING CO., SHALL NOT BE HELD RESPONSIBLE FOR THE FOLLOWING UNLESS SPECIFIED ABOVE.

- Notes
- 1) Broken Sidewalks.
 - 2) Damaged underground installations not marked.
 - 3) Water ponding or grass growing through resurface jobs.
 - 4) Permits, testing, asbuilts, and permit processing.
 - 5) Sodding, topsoil, landscape area fill and grading.
 - 6) Clearing, grubbing, demolition, and soil treatment
 - 7) All fill quantities are based on owner supplied Topo, No demucking is included unless soil borings are provided.
 - 8) Building cut back and footing excavation by others.
 - 9) Removal or disposal of contaminated material, debris or tires.
 - 10) All proposals are based on one mobilization, please advise if additional are required.
 - 11) Above prices are based on a complete job, the price is subject to change if any items are deleted.
 - 12) Unless specified above, subgrade to be provided by others to +/- .10"
 - 13) Material prices are good for six months.
 - 14) Night work, police or security is not included.

WILLIAMS PAVING CO., INC. RESERVES THE RIGHT TO WITHDRAW THIS CONTRACT IF IT IS NOT ACCEPTED WITHIN THIRTY (30) DAYS. Interest at 18% per annum plus legal costs to collect will be charged on past due invoices.

THE ABOVE PROPOSAL IS HEARBY ACCEPTED:

Danny Casals
Village of Palmetto Bay

Javier Gonzalez
Williams Paving Co., Inc.

Corrice Patterson

From: Mario Gonzalez <maggolc@yahoo.com>
Sent: Wednesday, July 27, 2016 3:11 PM
To: Danny Casals
Cc: Corrice Patterson
Subject: Re:

Good Afternoon,

The Maggolc Inc. price for each Speed Table is: \$8,492.00

Thank You for the opportunity,

Best Regards

*Mario Gonzalez
Maggolc Inc.
11020 SW 55 ST
Miami FL 33165
Phone: 786 291 2949
Fax: 786 472 8831
e-mail: maggolc@yahoo.com*

On Wednesday, July 27, 2016 8:40 AM, Danny Casals <dcasals@palmettobay-fl.gov> wrote:

Good morning Mario,

We need the proposal today.

-----Original Message-----

From: Danny Casals
Sent: Tuesday, July 26, 2016 8:34 AM
To: Mario Gonzalez <maggolc@yahoo.com> (maggolc@yahoo.com)
Cc: Corrice Patterson (cpatterson@palmettobay-fl.gov)
Subject:

Mario,

Please forward proposal for the installation of speed tables immediately. Also we are looking into installing 5 to 10 tables before 8/20/16.

-----Original Message-----

From: Danny Casals
Sent: Tuesday, July 26, 2016 8:30 AM
To: Mario Gonzalez <maggolc@yahoo.com> (maggolc@yahoo.com)
Cc: Corrice Patterson (cpatterson@palmettobay-fl.gov)

Subject: RE:

Good morning Mario,

Please forward proposal for the installation of speed tables immediately.

-----Original Message-----

From: Danny Casals

Sent: Monday, July 25, 2016 11:52 AM

To: Mario Gonzalez <maggolc@yahoo.com> (maggolc@yahoo.com)

Cc: Corrice Patterson (cpatterson@palmettobay-fl.gov)

Subject:

Good morning Mario,

Please send us a proposal for the installation of attached speed table without the decorative asphalt stamp just plain asphalt. Also include the attached striping.

Danny Casals
Field Operations Supervisor
Public Works Department
dcasals@palmettobay-fl.gov
office# 305 969-5011
fax# 305 969 -5091

Figure 3B-31. Advance Warning Markings for Speed Humps

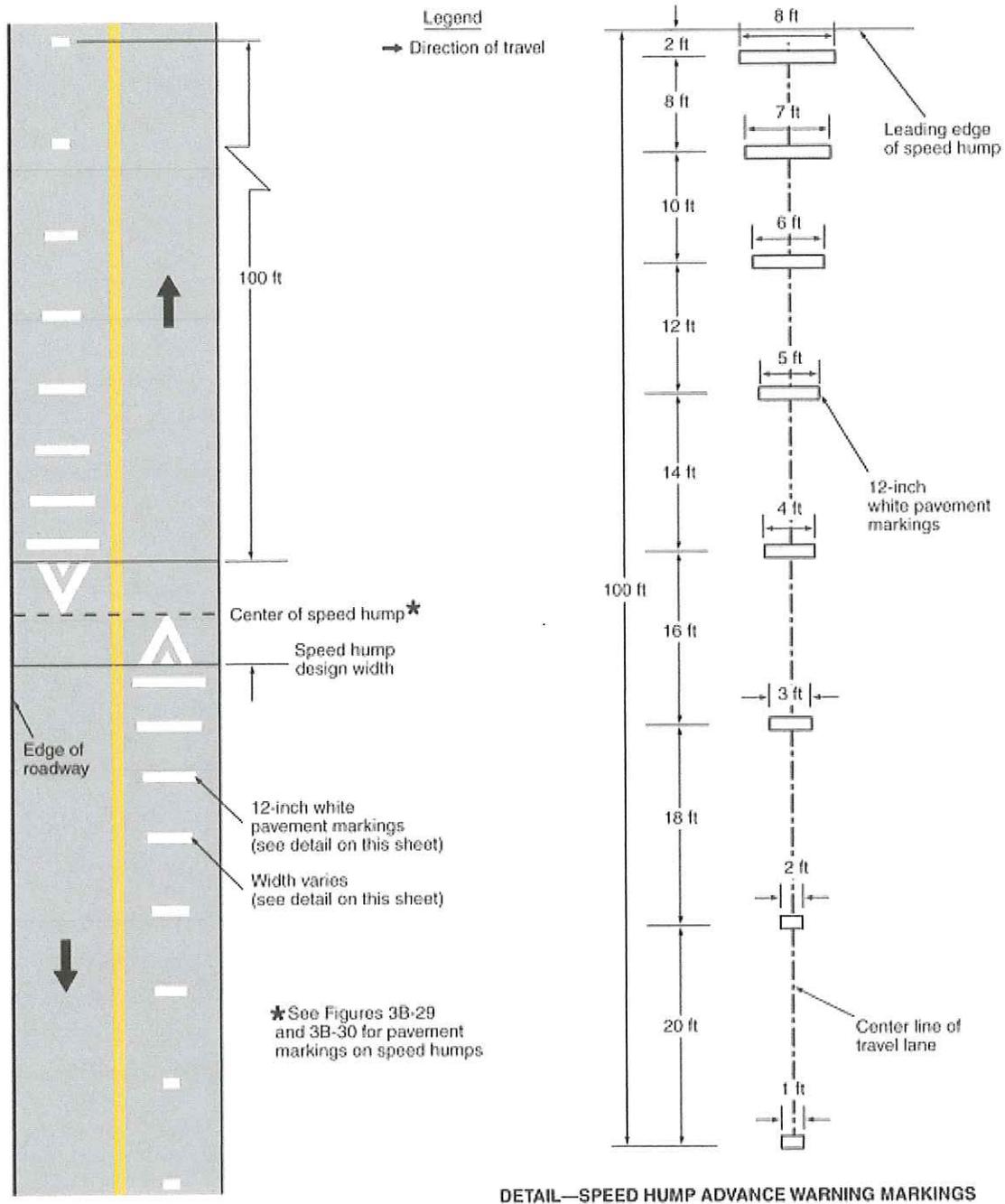


Figure 3B-31. Advance Warning Markings for Speed Humps

This figure illustrates examples of advance warning markings for speed humps.

A vertical two-lane roadway is shown. Arrows show that the direction of travel is one lane in each direction. A solid double yellow line separates the two lanes. A note states: "See Figures 3B-29 and 3B-30 for pavement markings on speed humps."

In the middle of the figure, a speed hump is shown with white speed hump markings for each of the two lanes, with the base of the "v" for each direction shown at the near edge of the speed hump and the point of the "v" for each direction at the center of the speed hump. In each direction, a series of eight white horizontal lines is shown on the marked on the pavement, each centered on the centerline of each travel lane. The distance from the base of the pavement marking farthest from the speed hump

to the base of the speed hump is shown as a dimension of 100 ft. The thickness of each pavement marking is shown as 12 inches wide. The width of each pavement marking varies as noted below.

The width of the speed hump advance warning markings increases from short to long as they approach the speed hump:

- The first line is shown as a dimensioned distance of 100 ft in advance of the leading edge of the speed hump and is the narrowest, shown as a dimension of 1 ft wide.
- The second line is shown as a dimensioned distance of 20 ft closer to, or 80 ft in advance of, the hump and is shown as a dimension of 2 ft wide.
- The third line is shown as a dimensioned distance of 18 ft closer to, or 62 ft in advance of, the hump and is shown as a dimension of 3 ft wide.
- The fourth line is shown as a dimensioned distance of 16 ft closer to, or 46 ft in advance of, the hump and is shown as a dimension of 4 ft wide.
- The fifth line is shown as a dimensioned distance of 14 ft closer to, or 32 ft in advance of, the hump and is shown as a dimension of 5 ft wide.
- The sixth line is shown as a dimensioned distance of 12 ft closer to, or 20 ft in advance of, the hump and is shown as a dimension of 6 ft wide.
- The seventh line is shown as a dimensioned distance of 10 ft closer to, or 10 ft in advance of, the hump and is shown as a dimension of 7 ft wide.
- The eighth and last line is shown as a dimensioned distance of 8 ft closer to, or 2 ft in advance of, the hump and is shown as a dimension of 8 ft wide.

[Back to Chapter 3B](#)





07/07/2008 15:21



1.

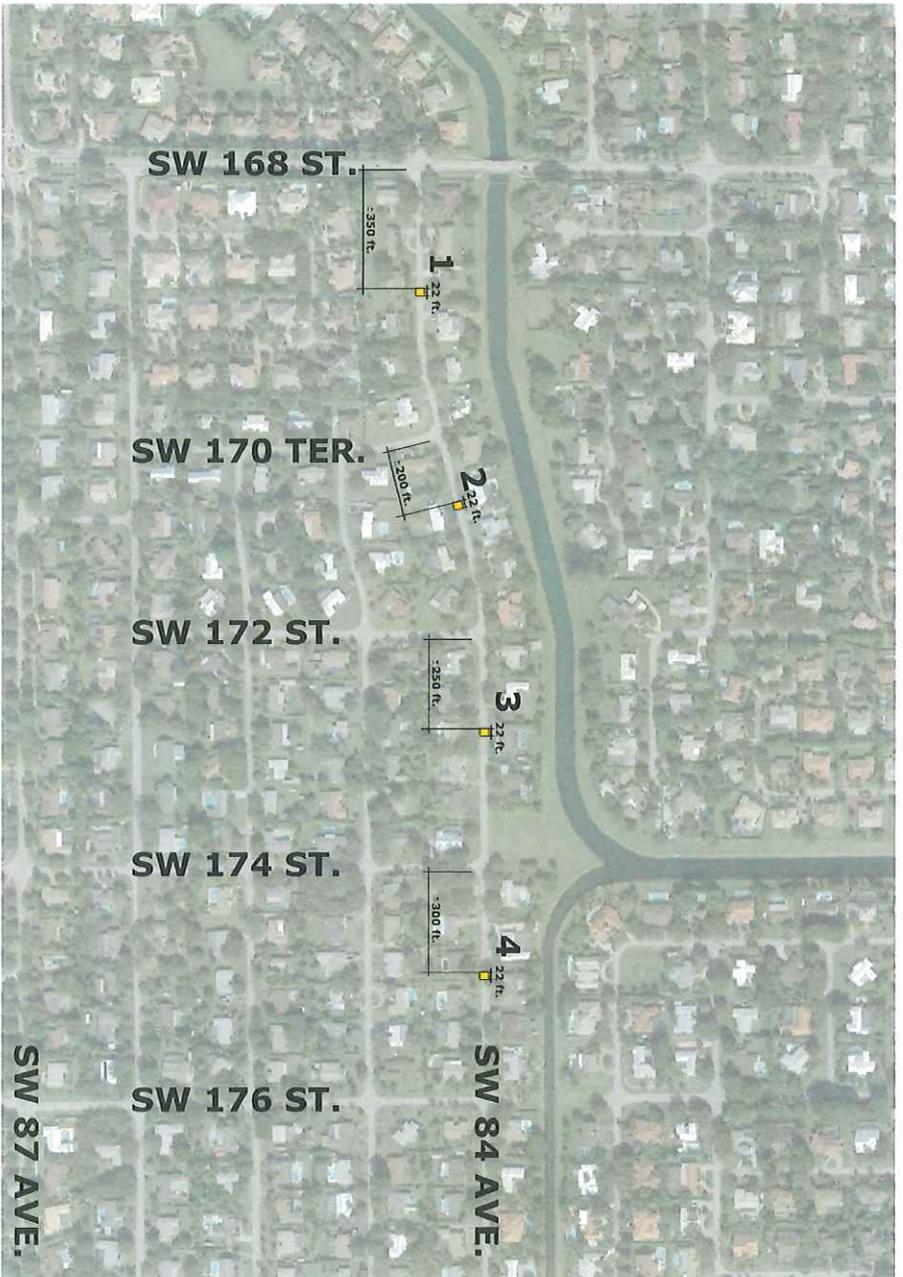


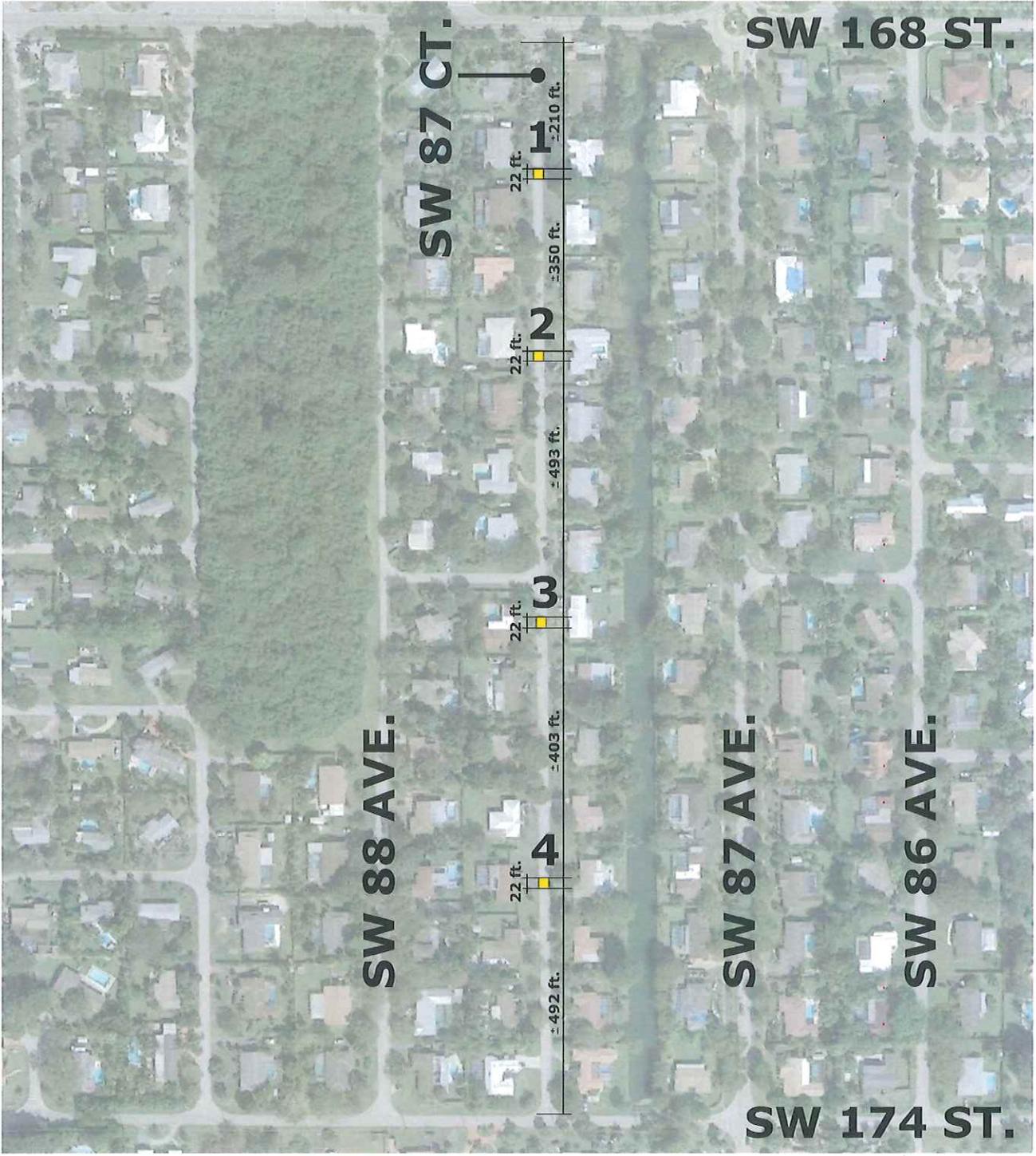
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