



776 N.E. 125 Street, North Miami, Florida 33161

## Council Report

To: The Honorable Mayor and City Council

From: Wisler Pierre-Louis, P.E., Public Works Director

A blue ink signature of Wisler Pierre-Louis.

Date: November 7, 2016

RE: A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH MIAMI, FLORIDA, AUTHORIZING THE INSTALLATION AND MAINTENANCE OF SPEED HUMPS AT DESIGNATED SECTIONS OF KEYSTONE BOULEVARD AND NORTH BAYSHORE DRIVE, IN ACCORDANCE WITH THE INTERGOVERNMENTAL AGENCY AGREEMENT EXECUTED BETWEEN THE CITY OF NORTH MIAMI AND MIAMI-DADE COUNTY; FURTHER AUTHORIZING THE CITY MANAGER TO REMOVE NONCONFORMING SPEED HUMPS AT DESIGNATED SECTIONS OF KEYSTONE POINT; PROVIDING FOR AN EFFECTIVE DATE AND FOR ALL OTHER PURPOSES.

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### **RECOMMENDATION**

Staff is requesting that the Mayor and City Council pass and adopt the proposed resolution supporting the installation of speed humps on Keystone Boulevard and North Bayshore Drive at the locations approved by Miami-Dade County Traffic Engineering.

### **BACKGROUND**

Residents of Keystone Point have complained about speeding in their neighborhood for several years. Following a ballot signed by neighbors and a request by the homeowners association, the City initiated traffic studies for Keystone Boulevard and Bayshore Drive.

Keystone Boulevard was found to have an 85<sup>th</sup> Percentile speed of 32 mph; Bayshore Drive, south of Keystone Boulevard, 30 mph. These roadways therefore met the primary criteria for the installation of traffic calming. Humps have been approved at the locations specified in Attachment 1.

The 85<sup>th</sup> Percentile speed is determined by collecting speed data on all vehicles traversing a roadway segment over a 24 hour period and finding the speed at which 85% of the vehicles drove at or below. Generally accepted traffic engineering measures use the 85% percentile as the primary way to determine if speeding is a concern. For example, on Keystone Blvd it was found that 85% of the cars went 32 mph or slower (or 15% of cars drove faster than 32 mph). County criteria for allowing humps requires that, among other things, the 85<sup>th</sup> Percentile speed on city

owned, residential streets, must be 5 mph higher than the posted speed limit, which in this case is 25 mph.

However, the County has established a policy on speed humps that is more restrictive than for other devices, including a limit on the volume of cars and distance between intersections. They have made an exception for humps on Keystone Boulevard and N Bayshore Drive because they meet the speeding criteria and are located inside a gated community.

Pursuant to Section 2-95.1 of the Miami-Dade County Code of Ordinances, the County has exclusive jurisdiction over all traffic control devices, such as the subject speed humps. Per an interlocal agreement signed on July 30, 2014, the County has authorized the City to engineer, install, and maintain speed humps and traffic circles (see Exhibit "A" of the attached resolution) after County approval of the plans.

Per this agreement, certain conditions must still be met in order to proceed with installation of these humps:

- This Council resolution supporting the installation
- Removal of nonconforming devices in the Keystone Point neighborhood (Attachment 2)
- Design approval by North Miami Police Department, Miami-Dade Fire Department and other agencies

It is projected that the total cost for this project will be \$15,000 and is budgeted this fiscal year using Transportation Surtax funds for traffic calming.

#### **ATTACHMENTS**

Resolution

Map showing locations of humps

Map showing devices to be removed

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH MIAMI, FLORIDA, AUTHORIZING THE INSTALLATION AND MAINTENANCE OF SPEED HUMPS AT DESIGNATED SECTIONS OF KEYSTONE BOULEVARD AND NORTH BAYSHORE DRIVE, IN ACCORDANCE WITH THE INTERGOVERNMENTAL AGENCY AGREEMENT EXECUTED BETWEEN THE CITY OF NORTH MIAMI AND MIAMI-DADE COUNTY; FURTHER AUTHORIZING THE CITY MANAGER TO REMOVE NONCONFORMING SPEED HUMPS AT DESIGNATED SECTIONS OF KEYSTONE POINT; PROVIDING FOR AN EFFECTIVE DATE AND FOR ALL OTHER PURPOSES.**

**WHEREAS**, a number of City of North Miami (“City”) residents have become increasingly concerned about vehicles speeding on Keystone Boulevard and North Bayshore Drive, and have expressed a desire to have traffic calming devices installed for the wellbeing of pedestrians and motorists alike; and

**WHEREAS**, in response to these concerns, City administration conducted a traffic study which demonstrated a consistent speeding problem on the subject streets, whereby traffic reaches an eighty-five (85) percentile speed of 32 miles per hour where the maximum speed limit is 25 miles per hour; and

**WHEREAS**, pursuant to Section 2-95.1 of the Miami-Dade County (“County”) Code of Ordinances, the County’s Traffic and Transportation Department (“Traffic Department”) has exclusive jurisdiction over all traffic control devices and must approve the engineering, installation and maintenance of all traffic calming devices including speed humps on City streets; and

**WHEREAS**, on July 30, 2014, the City and County executed an Intergovernmental Agency Agreement (attached hereto as Exhibit “A”) whereby the Traffic Department authorized the City to engineer, install and maintain speed humps on City streets, pursuant to Section 2-96.1 of the County Code of Ordinances; and

**WHEREAS**, Keystone Boulevard and North Bayshore Drive are municipal streets operated and maintained by the City; and

**WHEREAS**, the County requires the removal of nonconforming speed humps at

designated sections of Keystone Point, as depicted in the corresponding Council Report attached as reference; and

**WHEREAS**, the Mayor and City Council hereby authorize the installation and maintenance of speed humps at designated sections of Keystone Boulevard and North Bayshore Drive, in conjunction with the removal of nonconforming speed humps at designated sections of Keystone Point, as a crucial step in protecting the public health, safety and welfare, while concurrently safeguarding both public and private property.

**NOW THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH MIAMI, FLORIDA:**

**Section 1. Authority to Install and Maintain Speed Humps.** The Mayor and City Council of the City of North Miami, Florida, hereby authorize the installation and maintenance of speed humps at designated sections of Keystone Boulevard and North Bayshore Drive, in accordance with the Intergovernmental Agency Agreement executed between the City of North Miami and Miami-Dade County (attached hereto as Exhibit “A”).

**Section 2. Authority to Remove Nonconforming Speed Humps.** The Mayor and City Council of the City of North Miami, Florida, hereby authorize the City Manager to remove nonconforming speed humps at designated sections of Keystone Point, as depicted in the corresponding Council Report attached hereto by reference.

**Section 3. Effective Date.** This Resolution shall become effective upon adoption.

**PASSED AND ADOPTED** by a \_\_\_\_\_ vote of the Mayor and City Council of the City of North Miami, Florida, this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

\_\_\_\_\_  
DR. SMITH JOSEPH  
MAYOR

ATTEST:

\_\_\_\_\_  
MICHAEL A. ETIENNE, ESQ.  
CITY CLERK

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY:

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JEFF P. H. CAZEAU, ESQ.  
CITY ATTORNEY

SPONSORED BY: CITY ADMINISTRATION

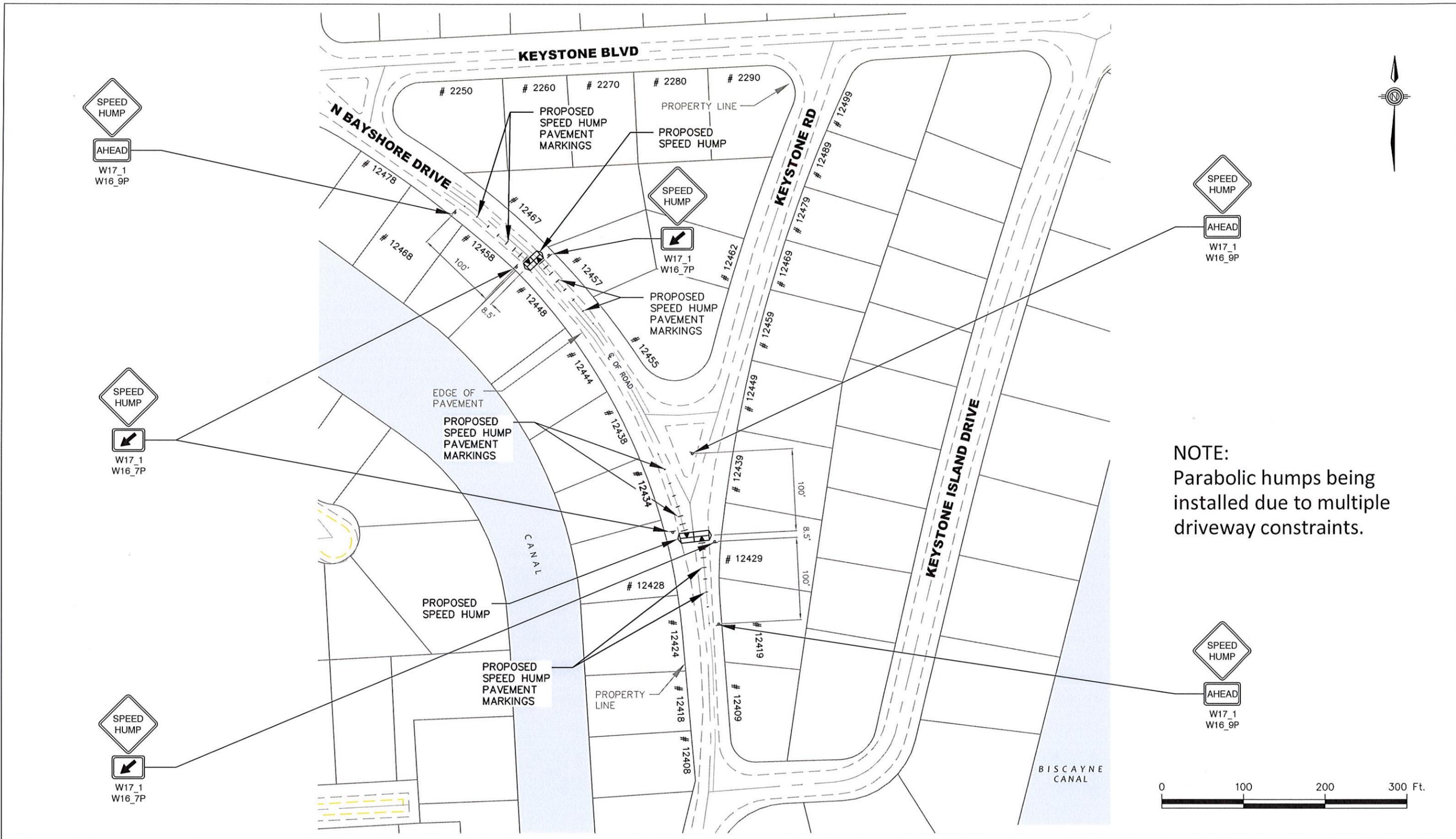
Moved by: \_\_\_\_\_

Seconded by: \_\_\_\_\_

**Vote:**

Mayor Smith Joseph, D.O., Pharm. D.  
Vice Mayor Alix Desulme  
Councilman Scott Galvin  
Councilwoman Carol Keys, Esq.  
Councilman Philippe Bien-Aime

\_\_\_\_\_ (Yes) \_\_\_\_\_ (No)  
\_\_\_\_\_ (Yes) \_\_\_\_\_ (No)  
\_\_\_\_\_ (Yes) \_\_\_\_\_ (No)  
\_\_\_\_\_ (Yes) \_\_\_\_\_ (No)  
\_\_\_\_\_ (Yes) \_\_\_\_\_ (No)



NOTE:  
Parabolic humps being installed due to multiple driveway constraints.

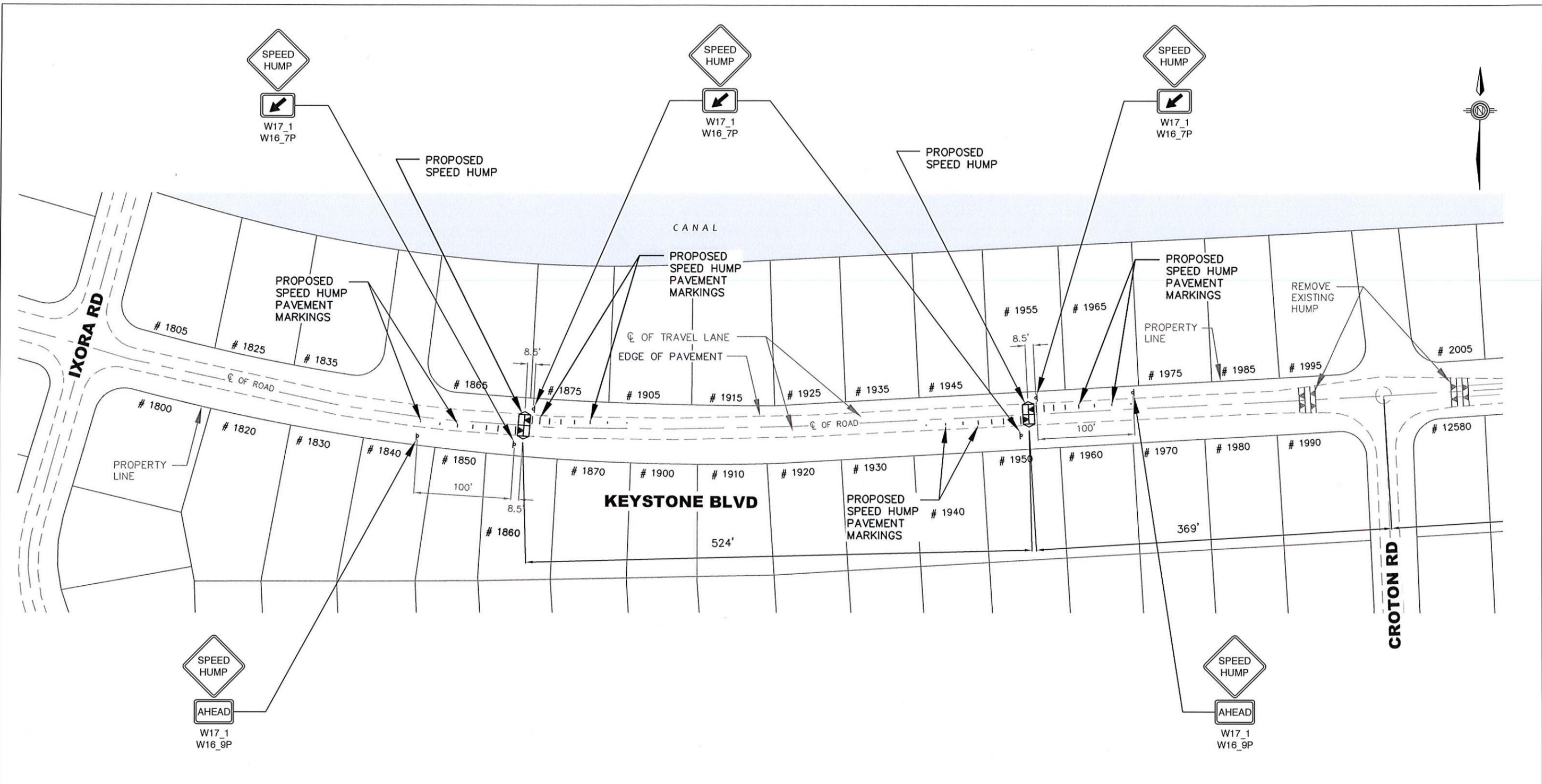
DESIGNED BY:	HASAN RIZVI, P.E.
DRAWN BY:	W. FARYNA-A.
DATE:	AUGUST, 2016
DWG No.:	2 OF 3

SIGNED AND SEALED BY:	
	CHUKS OKEREKE, P.E. (#60204)

**INSTALLATION OF SPEED CUSHIONS  
(N BAYSHORE DRIVE)  
PLAN**



CITY OF NORTH MIAMI  
PUBLIC WORKS DEPARTMENT  
NORTH MIAMI, FLORIDA



**NOTE:**  
Parabolic humps being installed due to multiple driveway constraints.

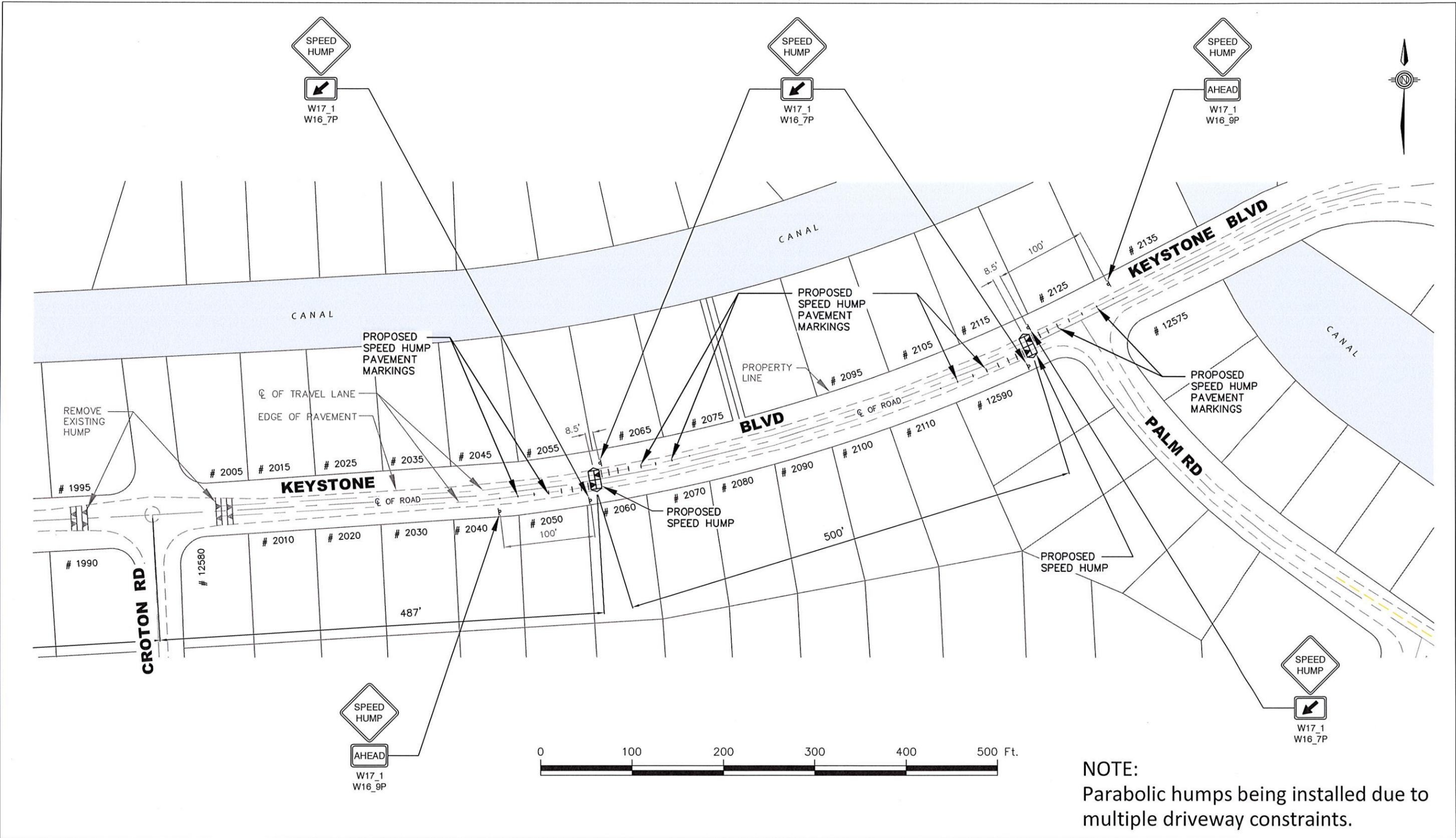
DESIGNED BY: HASAN RIZVI, P.E.  
 DRAWN BY: W. FARYNA-A.  
 DATE: AUGUST, 2016  
 DWG No.: 2 OF 4

SIGNED AND SEALED BY:  
 \_\_\_\_\_  
 CHUKS OKEREKE, P.E. (#60204)

**INSTALLATION OF SPEED CUSHIONS  
 KEYSTONE BLVD  
 PLAN**



CITY OF NORTH MIAMI  
 PUBLIC WORKS DEPARTMENT  
 NORTH MIAMI, FLORIDA



NOTE:  
Parabolic humps being installed due to multiple driveway constraints.

DESIGNED BY:	HASAN RIZVI, P.E.
DRAWN BY:	W. FARYNA-A.
DATE:	AUGUST, 2016
DWG No.:	3 OF 4

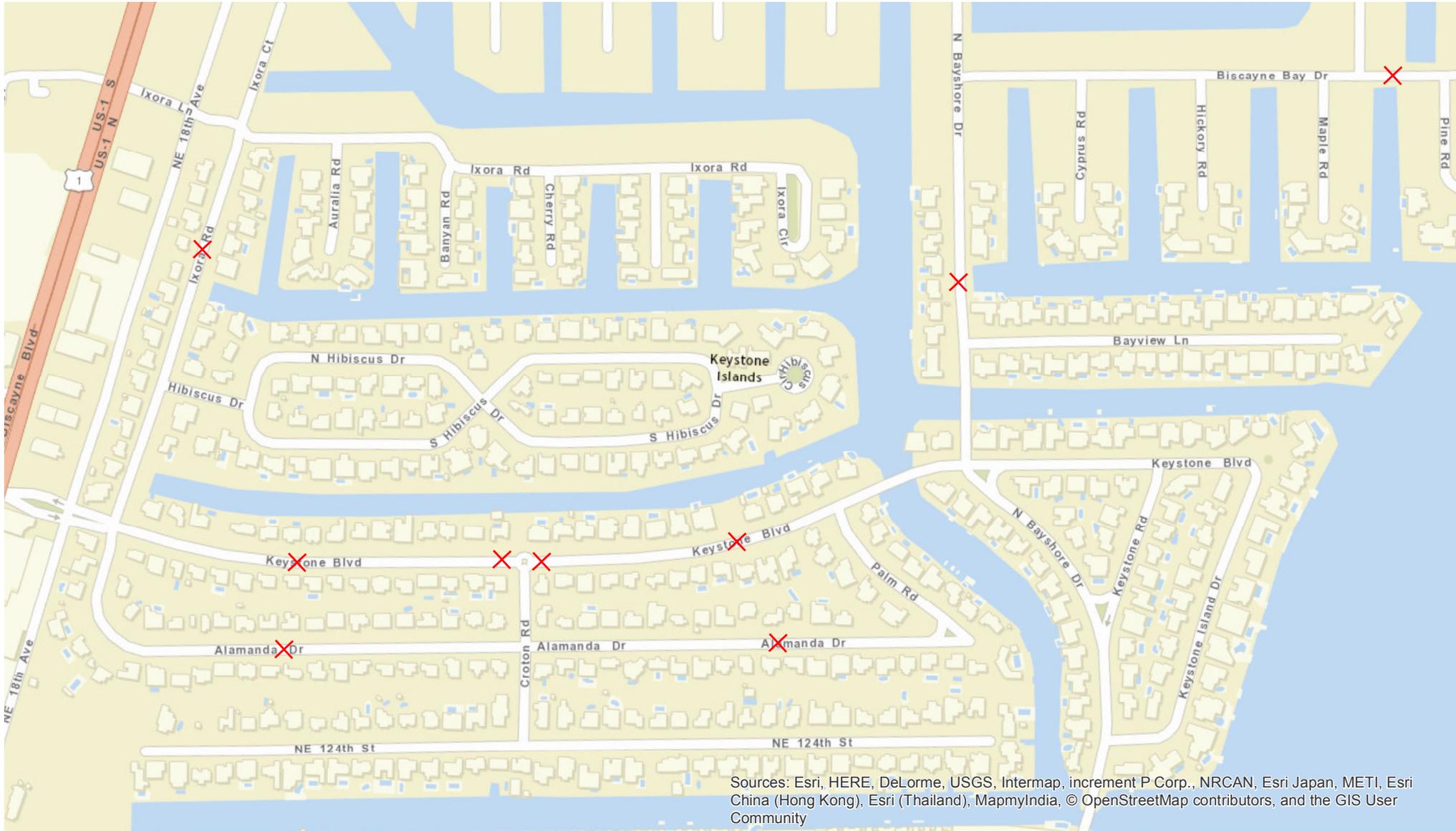
SIGNED AND SEALED BY:	
	CHUKS OKEREKE, P.E. (#60204)

**INSTALLATION OF SPEED CUSHIONS  
KEYSTONE BLVD  
PLAN**



CITY OF NORTH MIAMI  
PUBLIC WORKS DEPARTMENT  
NORTH MIAMI, FLORIDA

# Keystone Point - Noncomplying Devices to be Removed



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community