



MIAMI BEACH

OFFICE OF THE CITY MANAGER

NO. LTC # **115-2011**

LETTER TO COMMISSION

TO: Mayor Matti Herrera Bower and Members of the City Commission

FROM: Jorge M. Gonzalez, City Manager

DATE: May 13, 2011

SUBJECT: Modifications to the Intersection of Alton Road and 16th Street

The purpose of this Letter to the Commission (LTC) is to provide you with updated information on the installation of a westbound left turn bay for the intersection of Alton Road and 16th Street. This project was developed to take care of significant westbound traffic back-ups during afternoon peak hours. The intersection modification will be made during the month of June 2011.

There is no dedicated left turn lane on 16th Street at its intersection with Alton Road (Attachment A). The PM peak, which is between 4:00 PM and 6:00 PM, is the worst peak period for this area. During this interval of time, the left turns were counted and averaged 212 vehicles per hour, while the through movements averaged 97 vehicles per hour and right turn movements averaged 73 vehicles per hour. Without a dedicated left turn lane, westbound traffic backs up during afternoon peaks. These backups often reach the intersection with Lenox Avenue.

On December 10, 2008, the Neighborhoods/Community Affairs Committee approved a conceptual plan for the removal of five (5) parking spaces in order to accommodate the reconfiguration of the intersection.

The Public Works Department developed plans for a left turn and submitted to the Miami Dade County Traffic Engineering Division (MDCTED), Miami Dade County Traffic Signs and Signals Division (MDCTSS), and Florida Department of Transportation (FDOT) for approval. Numerous meetings were required with these agencies to negotiate a reduction in the loss of parking that they would require and to discuss their sometimes conflicting requirements. MDCTED issued a permit on December 9, 2010, MDCTSS approved the plan on December 8, 2010, and FDOT issued a permit on February 4, 2011 which was renewed May 9, 2011.

16th Street has a 70-foot right-of-way with 10-foot sidewalks including curbs, 8.5-foot parallel parking lanes, 5.5-foot bike lanes, and 11-foot travel lanes. The addition of a left turn lane requires the removal of five parking spaces on the south side of 16th Street and the narrowing of the travel lanes to 10 feet (Attachment B). The loss of parking was deemed more feasible than reducing sidewalk width which would have required relocating light poles and drainage.

The 16th Street approaches will be partially milled and resurfaced in order to remove the existing pavement markings and harmonize the travel lanes through the intersection. There will be no impact on the traffic signal.

This project will follow the following schedule:

- Construction start: May 31, 2011
- Construction end: June 30, 2011

Intersection of Alton Road and 16th Street

May 13, 2011

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Please let me know if you have any questions or require additional information.

Attachments:

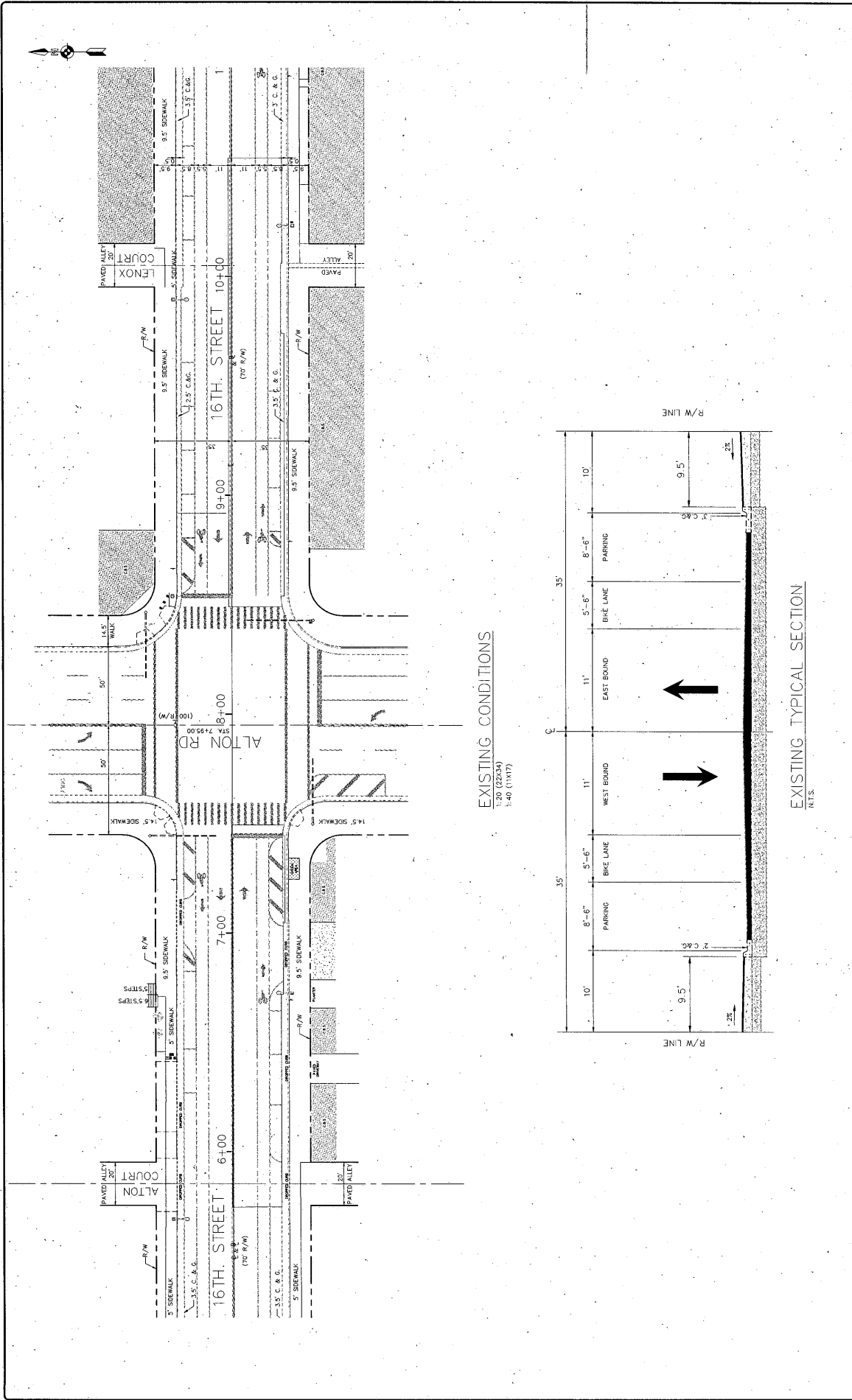
- A. Existing Conditions Plan
- B. Proposed Pavement Marking and Signage Plan



DRB/FHB/HDC/RWS

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Attachment A



EXISTING CONDITIONS

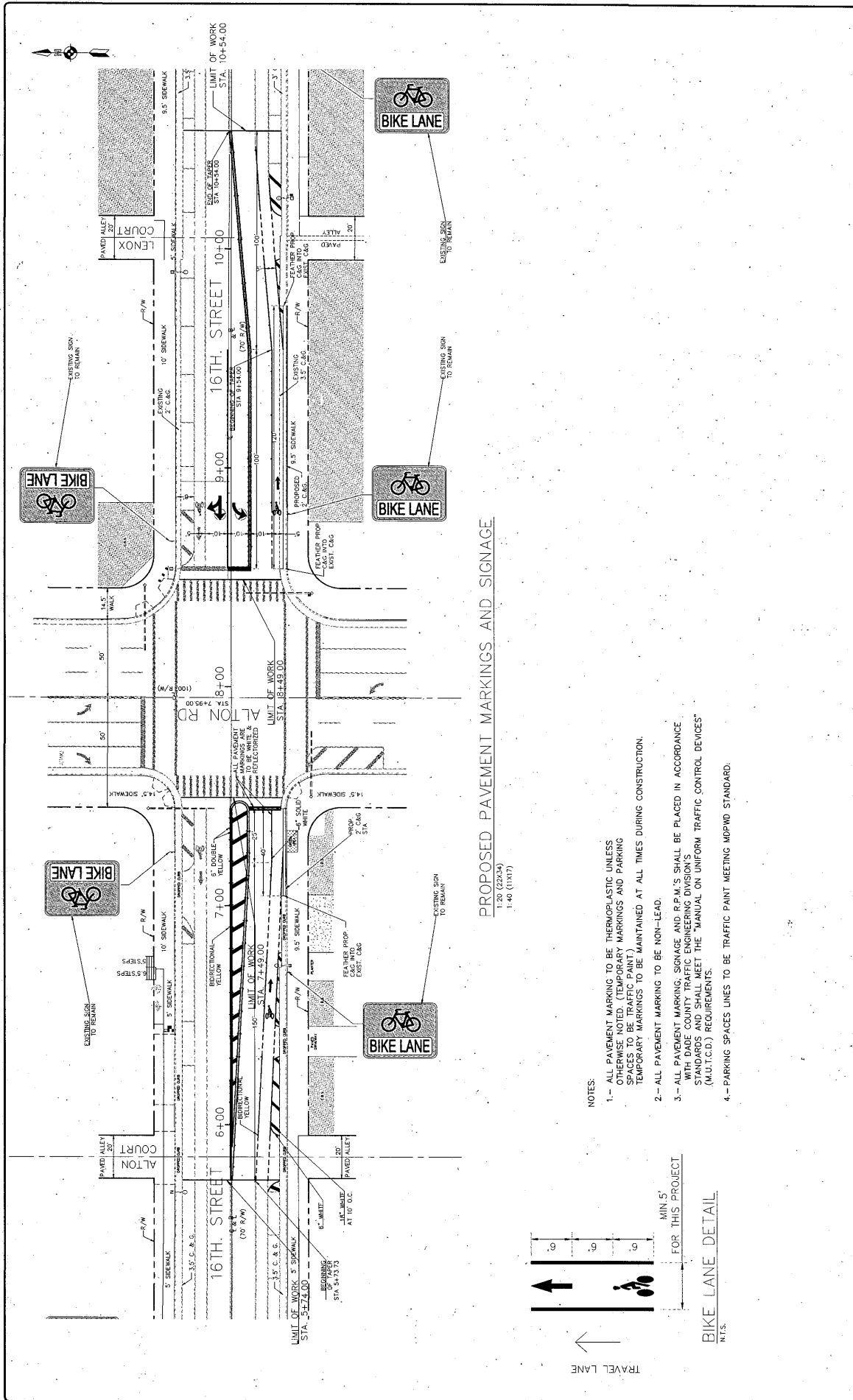
1:20 (22/3/24)
1:40 (11/17)

EXISTING TYPICAL SECTION

N.T.S.

<p>MIAMI BEACH PUBLIC WORKS DEPARTMENT 1100 COMMUNITY COLLEGE DRIVE, MIAMI BEACH, FL 33139</p>	<p>NEIGHBORHOOD: NEIGHBORHOOD No. 10/ FLAMINGO PARK</p>	<p>CITY MANAGER: JORGE M. GONZALEZ DIRECTOR: FREDY BERNARDI PE CITY ENGINEER: FERNANDO VAZQUEZ PE</p>	<p>ENGINEER OF RECORD: J.V. DESIGNER ENGINEER: J.P. DRAWN BY: P.S. CHECKED: A.S. SHERON SCALE: AS SHOWN</p>	<p>ENGINEER OF RECORD: 1 2 3 4</p> <p>ENGINEER: FERNANDO VAZQUEZ PE NO. 0021</p>	<p>NO. DATE</p>	<p>REVISION</p>	<p>APP'D BY</p>
	<p>TITLE: EXISTING CONDITIONS</p>	<p>FILE NAME: _____</p> <p>PROJECT NO.: 11/A</p> <p>PAGE: 11/A - Joe Oliver - 11/A</p> <p>DATE: 2/24/2011</p> <p>SHEET: 3 OF 4</p> <p>DRAWING: EC-01</p>					

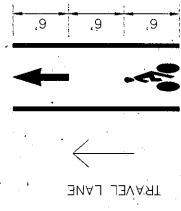
Attachment B



PROPOSED PAVEMENT MARKINGS AND SIGNAGE

1:20 (22X4)
1:40 (11X17)

- NOTES:
- 1.- ALL PAVEMENT MARKING TO BE THERMOPLASTIC UNLESS OTHERWISE NOTED. (TEMPORARY MARKINGS AND PARKING SPACES TO BE TRAFFIC PAINT)
 - 2.- ALL PAVEMENT MARKING TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
 - 3.- ALL PAVEMENT MARKING TO BE NON-LEAD.
 - 4.- PARKING SPACES LINES TO BE TRAFFIC PAINT MEETING MDPWD STANDARD.



		NEIGHBORHOOD: NEIGHBORHOOD No. 10/ FLAMINGO PARK TITLE: PAVEMENT MARKING AND SIGNAGE	
ENGINEER OF RECORD: J.V. J.F. DESIGNER ENGINEER: J.F. DRAWN BY: J.S. CHECKED BY: F.S. SCALE: AS SHOWN	CITY MANAGER: JORGE M. GONZALEZ DIRECTOR: FREDRICK BROWN P.E. CITY ENGINEER: FERNANDO VAZQUEZ P.E.	ENGINEER OF RECORD: FERNANDO VAZQUEZ P.E. NO. DATE: 1 10/2017	REVISION:
PERMITS: N/A FILE NO.: 17-001 SHEET: 1 OF 1	JOB ORDER: N/A DRAWING: PM-01	APP'D BY:	