



Kimley-Horn  
and Associates, Inc.

January 6, 2009

Ms. Christy Dominguez  
City of Hallandale Beach  
400 South Federal Highway  
Hallandale Beach, FL 33009

■  
Suite 300  
601 21st Street  
Vero Beach, Florida  
32960

Re: The Village at Gulfstream Park  
Hallandale Beach, Florida  
ka/jn 05044-02/41  
Phase 2 Major Development Plan – Supplemental Impact Evaluation Statement Information

Dear Ms. Dominguez:

As requested, attached is the supplemental impact evaluation statement information for the above mentioned Major Development Plan application for Phase 2 at The Village at Gulfstream Park.

The attached tables show the projected and reserved capacities for water, wastewater, and solid waste for Phase I and Phase II developments.

We appreciate your attention to this important project. Please call me at (772) 794-4120 with any questions, comments or requests for additional information.

Sincerely,  
KIMLEY-HORN AND ASSOCIATES, INC.

Britt Stephens, E.I (FL)  
Project Manager

Roscoe L. Biby, P.E.  
Principal

Encl: Phase I & II Wastewater Generation - Impact Evaluation Statement Supplemental Information  
Phase I & II Water Demand - Impact Evaluation Statement Supplemental Information  
Phase I & II Solid Waste Generation - Impact Evaluation Statement Supplemental Information

*Phase II - Wastewater Generation in Addition to Phase I*

<i>Phase/Land Use</i>		<i>Wastewater Generation (GPD)<sup>1</sup></i>	<i>Wastewater Generation (MGY)</i>
<b>Phase II - MDP Projection</b>			
<i>SF Retail (Shopping Center)</i>	60,447	6,045	2.206

**Phase I & II Peak Total Flow** 545 GPM  
**\*Phase I & II Permitted Lift Station Pumping Capacity** 710 GPM @ 108' TDH  
**\*Ultimate Build-Out Permitted Pumping Capacity** 1225 GPM @ 114.9 TDH

*1* Demand based on Section 27-201 Broward County Code

*GPD - Gallons per Day*

*MGY - Million Gallons per Year*

*Shopping Centers/Retail - 0.1 gal/day/sf*

*Restaurant - 30 gal/day/seat at 3 seats/100 sf*

*Office building - 0.20 gal/day/sf*

*Residential, multiple family - 250 gal/day/unit*

*Hotels & Motels - 150 gal/day/room*

*Theaters and Auditoriums - 5 gal/day/seat*

*\*Ultimate Build-Out Permitted Pumping Capacity is 1225 GPM @ 114.9 TDH*

**Phase II - Water Demand in Addition to Phase I**

<i>Phase/Land Use</i>		<i>Water Demand (GPD)<sup>1</sup></i>	<i>Water Demand (MGY)</i>
<b>Phase II - MDP Projection</b>			
<i>SF Retail (Shopping Center)</i>	<i>60,447</i>	<i>6,045</i>	<i>2,206</i>

<sup>1</sup> Demand based on Section 27-201 Broward County Code

*GPD - Gallons per Day*

*MGY - Million Gallons per Year*

*Shopping Centers/Retail - 0.1 gal/day/sf*

*Restaurant – 30 gal/day/seat at 3 seats/100 sf*

*Office building – 0.20 gal/day/sf*

*Residential, multiple family – 250 gal/day/unit*

*Hotels & Motels – 150 gal/day/room*

*Theaters and Auditoriums – 5 gal/day/seat*

**Phase II - Solid Waste Generation in Addition to Phase I**

<i>Phase/Land Use</i>		<i>LBS/DAY1</i>	<i>TONS/DAY2</i>	<i>LBS/YEAR</i>	<i>TONS/YEAR</i>
<b>Phase II - MDP Projection</b>					
<i>SF Retail (Shopping Center)</i>	<i>60,447</i>	<i>884</i>	<i>0.44</i>	<i>322,660</i>	<i>160.6</i>

*1 Based on 600LB/CY (Truck Compaction)*

*2 Based on SWA 1995 Commercial Annual Waste Generation Study and SWA 1997 Residential Waste Generation Study*

<i>Shopping Center/Retail</i>	<i>5.34 lbs/sf/yr</i>
<i>Restaurant</i>	<i>25.58 lbs/sf/yr</i>
<i>Residential</i>	<i>0.63 tons/unit/yr</i>
<i>Office</i>	<i>2.52 lbs/sf/yr</i>
<i>Hotel</i>	<i>2.0 tons/room/yr</i>
<i>Movie Theatre</i>	<i>8.46 lbs/sf/yr</i>
<i>Movie Theatre</i>	<i>18sf/seat</i>