

TOWN OF DAVIE

TOWN COUNCIL AGENDA REPORT

TO: Mayor and Councilmembers

FROM/PHONE: Larry Peters, Town Engineer / 797-1114 and Shirley Taylor-Prakelt, Housing and Community Development Director / 797-1199

PREPARED BY: Colleen Ryan, Grants Specialist / 797-1024

SUBJECT: Resolution

AFFECTED DISTRICT: District 3

TITLE OF AGENDA ITEM: A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE SUBMISSION OF THE ORANGE PARK N-29A CANAL IMPROVEMENTS PROJECT TO THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) FOR POTENTIAL GRANT FUNDING; AUTHORIZING ACCEPTANCE AND EXECUTION OF THE GRANT IF AWARDED; AND EXPRESSING THE INTENT TO UTILIZE COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) FUNDS TOWARD THE PROJECT (\$376,352.50 GRANT REQUEST, WITH \$376,352.50 CDBG MATCH).

REPORT IN BRIEF: The South Florida Water Management District (SFWMD) has begun a new initiative to seek appropriations from the State of Florida for stormwater projects in Broward County. All Broward municipalities and local water control districts were invited to partner in the "Broward County Water Quality Initiative" and to submit projects for which appropriations would be sought jointly. If appropriations are approved, the SFWMD will provide grants to municipalities for approved projects.

The Town's Department of Housing and Community Development and the Engineering Division partnered to submit a proposal for improvements to the N-29A canal in Orange Park (see Exhibit I). This project was developed in collaboration with the Central Broward Water Control District and is designed to improve water quality and to alleviate street flooding. The Town is seeking a \$376,353 grant from SFWMD and will provide a match of \$376,353 from the CDBG funded Target Area Improvement Program. This resolution does not authorize the allocation of CDBG funds for the project since that can only be done through inclusion of the project in the FY2007/08 CDBG Action Plan and the Town's 5-Year Capital Improvements Budget for FY2008-2013. Both of these documents must be approved by the Town Council in 2007. Should the Town Council not wish to approve this resolution, the Town will withdraw the grant application that was submitted.

PREVIOUS ACTIONS: None

CONCURRENCES: None

FISCAL IMPACT: Yes

Has request been budgeted? No

If yes, expected cost: \$

Account Name:

If no, amount needed: \$ 752,705 in Fiscal Year 2007-2008 (\$376,352.50 SFWMD grant, \$376,352.50 Town match from CDBG)

What account will funds be appropriated from: A capital account will need to be established for the project. The Town's matching share of the expenses will be provided from the CDBG funded Target Area Improvement Program.

Additional Comments:

RECOMMENDATION(S):

Attachment(s): Resolution, Copy of Grant Proposal (Exhibit I)

RESOLUTION _____

A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE SUBMISSION OF THE ORANGE PARK N-29A CANAL IMPROVEMENTS PROJECT TO THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) FOR POTENTIAL GRANT FUNDING; AUTHORIZING ACCEPTANCE AND EXECUTION OF THE GRANT IF AWARDED; AND EXPRESSING THE INTENT TO UTILIZE COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) FUNDS TOWARD THE PROJECT (\$376,352.50 GRANT REQUEST, WITH \$376,352.50 CDBG MATCH).

WHEREAS, improvements are needed to the N-29A canal in the Orange Park area of Davie; and

WHEREAS, the South Florida Water Management District (SFWMD) has begun the "Broward County Water Quality Initiative" to seek appropriations from the Florida Legislature for stormwater projects in Broward County; and

WHEREAS, if appropriations are approved by the Florida Legislature, the SFWMD will provide grants to Broward municipalities for water quality improvement projects; and

WHEREAS, the Town of Davie wishes to pursue grant funding from the SFWMD for the N-29A canal improvements project; and

WHEREAS, if grant funding is approved, the Town of Davie intends to share in the cost of the project by utilizing funds from the Community Development Block Grant (CDBG) Target Area Improvement Program.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF DAVIE, FLORIDA.

SECTION 1. The Town Council of the Town of Davie hereby authorizes the Town Engineer to submit a proposal to the SFWMD seeking grant funding toward the N-29A canal improvements project.

SECTION 2. The Town Council authorizes acceptance and execution of a SFWMD grant if awarded; authorizes the Mayor to execute said grant contract; and authorizes the Town Engineer or appropriate staff to implement the grant and execute necessary grant documents and reports.

SECTION 3. The Town Council expresses its intent to provide matching funds for the project from the CDBG Target Area Improvement Program, if a SFWMD grant is awarded.

SECTION 4. This resolution shall take effect immediately upon its passage and adoption.

PASSED AND ADOPTED THIS _____ DAY OF _____, 2007.

MAYOR/COUNCIL MEMBER

ATTEST:

TOWN CLERK

APPROVED THIS _____ DAY OF _____, 2007.



EXHIBIT I

Fiscal Year 2007-2008
Broward County Initiatives
Stormwater Quality Project Information\
PROJECT SUMMARY FORM
ORANGE PARK CANAL IMPROVEMENTS

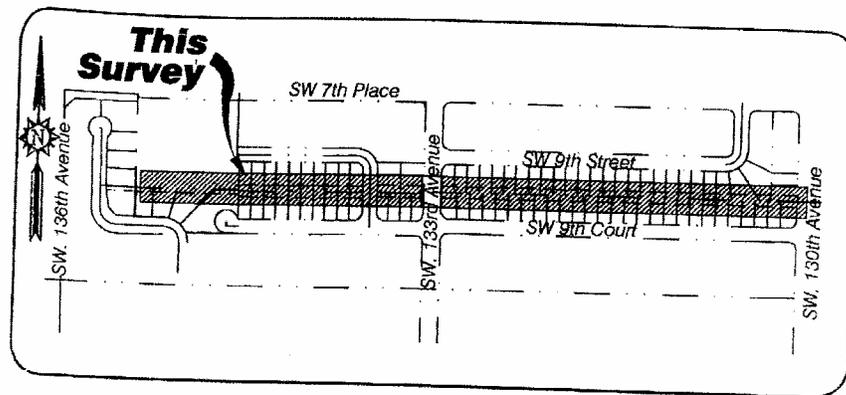


1. PROJECT INFORMATION:

Project Title: *Orange Park N-29 A Canal Improvements.*

Project Location: *Existing Central Broward Water District Canal N-29 A from SW 136th Avenue east to Canal N-23 at SW 130th Avenue.*

The below diagram represents the proposed drainage improvement area.



Location Map

Project Sponsor

Entity Name: Town of Davie, Florida

Address: 6591 Orange Drive

Davie, FL 33314

Contact Person/Title: Larry A. Peters / Town Engineer

Phone Number: (954) 797-1114

E-Mail Address: Larry_Peters@Davie-FL.Gov

Funding history	\$ 33,300 provided by Town Housing Department for Engineering Services
Total Estimated Project Cost	\$ 752,705.00
Total cost of project this year	\$ 752,705.00
Legislature funding request	\$ 376,352.50 (50% match)

2. PROJECT BACKGROUND

The land use in the area is all residential. Stormwater runoff from this residential area flows into Central Broward Canal N-29A located between SW 9th Court and SW 9th Street.

The roadways in this residential area are paved with swale to convey stormwater runoff into the existing canal N-29A which runs between SW 136th Avenue and SW 130th Avenue. The drainage canal has been polluted from this residential area over the years and inaccessible for maintenance. In order to provide groundwater quality to regional drainage basin and prevent potential flooding to this residential area, the Town of Davie has taken measures to improve the existing drainage system with a positive drainage pipe system and water quality treatment area including a repair of the existing outfall under SW 130th Avenue. The proposed drainage improvement is shown on the attached photos.

On February 23, 2005 a neighborhood community meeting was held at the Orange Park Community Center located at 841 SW 133rd Avenue in Davie. The residents in the area were extremely concerned with health and safety issues from the stagnant and polluted water in the canal system. The Town indicated to residents at the meeting that the Town would work with Central Broward Water Control District to improve the area.

The problem area was surveyed and studied by an engineering firm hired by the Town. Based on the firm's engineering analysis, it was determined that filling in the canal providing adequate water quality pretreatment and install drainage pipes, catch basins in replacement of the existing canal.

The Town is currently working with CBWCD to begin the permitting process.

3. PROJECT GOALS AND OBJECTIVES

Primary goal is to prevent street flooding and reduce the time needed to remove standing water after a storm event. The proper conveyance of storm water will help with the overall water quality in the area. Currently standing water is present in the system and creates an odor and water quality concern in

the area. After this project is completed the Town expects that the water quality in this area to dramatically improve.

4. PROJECT DESCRIPTION

The project scope will include dredging the existing N-29 canal, removing nuisance matters, unused infrastructures, installing headwalls, catch basins and drainage pipes, filling the canal and construction of water pretreatment areas within the existing canal boundary.

5. MEASURABLE OUTCOME ANTICIPATED

Improved water quality for the area and create a safer area for the existing residential community. The new system will require less maintenance for the Town and CBWCD.

6. PROJECT SCHEDULE

The project can be completed within an 8 month period. The Town anticipates going into construction phase during the Spring of 2007 and complete the project by early 2008.

7. CONTACTS

SFWMD	Garrett Wallace, Director, Legislation and Operations Jose L. Lopez, Lead PM, BSC
Local Sponsor	Contact Person/Title: Phone Number: Larry A. Peters, Town Engineer, (954) 797-1114 E-Mail Address: Larry_Peters@Davie-FL.Gov

Project Estimated Cost: Prepared by Craven Thompson and Associates

PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COSTS
10/20/06 BY: CTA / MRN

ORANGE PARK N-29A CANAL IMPROVEMENTS
TOWN OF DAVIE, FLORIDA
CTA PROJECT #05-0081-001-01

A. Earthwork

<u>Item Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
1. Clearing and Grubbing	2	AC.	\$ 30,000.00	\$ 60,000.00
2. Excavation	1,560	C.Y.	\$ 20.00	\$ 31,200.00
3. Fill	4,000	C.Y.	\$ 15.00	\$ 60,000.00
4. Sodding	5,583	S.Y.	\$ 3.00	\$ 16,749.00
5. Topsoil	5,583	S.Y.	\$ 2.00	\$ 11,166.00

Sub-Total Earthwork: \$ 179,115.00

B. Demolition

<u>Item Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
1. Remove Existing Headwall	9	EA.	\$ 1,500.00	\$ 13,500.00
2. Remove Existing Catch Basin	11	EA.	\$ 900.00	\$ 9,900.00
3. Remove Existing Drainage Pipe	232	L.F.	\$ 10.00	\$ 2,320.00

Sub-Total Demolition: \$ 25,720.00

C. Paving

<u>Item Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
1. Pavement Restoration	100	S.Y.	\$ 20.00	\$ 2,000.00
2. Concrete Sidewalk Restoration	25	S.Y.	\$ 17.00	\$ 425.00
3. Concrete Apron	5	EA.	\$ 450.00	\$ 2,250.00

Sub-Total Paving: \$ 4,675.00

D. Storm Drainage

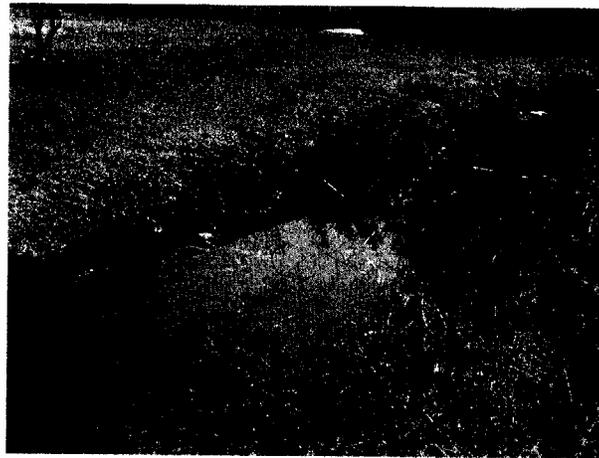
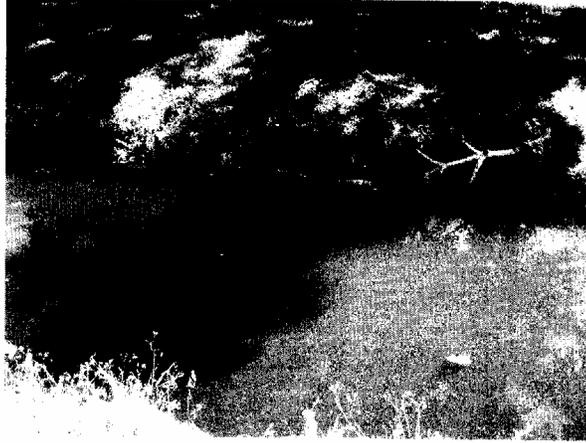
<u>Item Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
1. Manhole 8' Diameter	1	EA.	\$ 7,000.00	\$ 7,000.00
2. Manhole 6' Diameter	6	EA.	\$ 4,000.00	\$ 24,000.00
3. Type C Inlet 6' Diameter		EA.		
	5		\$ 4,000.00	\$ 20,000.00
4. Type C Inlet 5' Diameter		EA.		
	3		\$ 3,000.00	\$ 9,000.00
5. Type C Inlet 4' Diameter		EA.		
	3		\$ 2,500.00	\$ 7,500.00
6. Slotted Manhole Riser		EA.		
	21		\$ 900.00	\$ 18,900.00
7. Rip-Rap Headwall		EA.		
	1		\$ 6,500.00	\$ 6,500.00
8. 48" RCP		L.F.		
	2,252		\$ 100.00	\$ 225,200.00
9. 30" CMP		L.F.		
	8		\$ 50.00	\$ 400.00
10. 24" CMP		L.F.		
	10		\$ 40.00	\$ 400.00
11. 18" CMP		L.F.		
	6		\$ 35.00	\$ 210.00
12. 15" CMP		L.F.		
	10		\$ 30.00	\$ 300.00
13. 54" Baffle		EA.		
	1		\$ 750.00	\$ 750.00
14. 36" Baffle		EA.		
	1		\$ 450.00	\$ 450.00
15. 30" Baffle		EA.		
	1		\$ 350.00	\$ 350.00
16. 24" Baffle		EA.		
	1		\$ 300.00	\$ 300.00
17. 18" Baffle		EA.		
	3		\$ 250.00	\$ 750.00
18. 3/4" Rock Bedding		C.Y.		
	1,001		\$ 30.00	\$ 30,030.00

Sub-Total Storm Drainage: \$ 352,040.00

E. Miscellaneous

<u>Item Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
1. Mobilization Environmental Protection (SWPP)	1	L.S.	\$ <u>45,000.00</u>	\$ <u>45,000.00</u>
2. Maintenance of Traffic	1	L.S.	\$ <u>10,000.00</u>	\$ <u>10,000.00</u>
3. Testing	1	L.S.	\$ <u>25,000.00</u>	\$ <u>25,000.00</u>
4. Contingencies (10%)	1	L.S.	\$ <u>5,000.00</u>	\$ <u>5,000.00</u>
5. Design + Project Administration	1	L.S.	\$ <u>56,155.00</u>	\$ <u>56,155.00</u>
			Sub-Total Miscellaneous:	\$ <u>191,155.00</u>
			Grand Total:	\$ <u>752,705.00</u>

8. Site Picture's





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