

Pasco County Thousand Oaks/Trinity Oaks Problem Solving Task Force Meeting November 27, 2012

November 27, 2012 – Emergency Operations Center, Pasco County

The following is a summary of the Pasco County Thousand Oaks/Trinity Oaks Problem Solving Task Force (Task Force) meeting held on November 27, 2012. Copies of documents referenced during the meeting, agenda and attendees list will accompany these minutes.

Arrival, Sign-In, Greetings, and Introductions

Michele Baker (Pasco County Chief Assistant County Administrator) facilitated the meeting starting with a welcome. Brief introductions were provided by all attendees. Please refer to the attached attendance sheet for a list of the attendees.

Questions and Discussions

A summary of discussions, including questions and responses, are provided in this meeting summary. Specific questions are presented in italics. The contents of this summary do not represent direct quotes and may or may not represent the group's view as a whole.

Recap of Previous Meeting

The meeting summary for the previous meeting, held on November 5, 2012, was distributed to previous attendees via e-mail prior to this meeting for review. There were no comments on the meeting summary.

Action Items Update

1. Drainage Basin of Special Concern (BOSC) Update (Engineering Services)

Some concerns have been conveyed to the County by residents related to the proposed BOSC designation. The concerns included the potential for negative perceptions for homes within a BOSC which could lead to decreased future home values.

The County identified an alternative method for requesting additional storm event models as part of the permitting review process. The County rules incorporate Chapter 40D-4 Florida Administrative Code, Southwest Florida Water Management District (SWFWMD) rules. For Environmental Resource Permits (ERPs), Chapter 4 allows additional storm event models to be requested as part of the permitting review.

Is a BOSC designation really needed and once adopted, can it be removed?

By using the Chapter 4 requirements, a BOSC would not need to be adopted to allow the County to request the additional stormwater models. The proposed BOSC language

would allow for removal of the BOSC designation once the flooding problems have been resolved. There are two existing BOSC but, since no solutions within these BOSCs have been achieved, they are still designated as BOSC.

How do others know you are within a BOSC?

Bankers and realtors would have this knowledge and it will be public record. If asked, property owners would have to disclose past flooding to potential home buyers.

Has the BOSC designation already been implemented for Trinity/Thousand Oaks?

No, the process for the BOSC designation has not been completed. There is public information about the proposed BOSC discussions which might be found through an internet search, however; the BOSC designation process has not been completed.

Does not having a BOSC designation impact funding options?

No, there would be no impact to project funding options.

The residents want a solution to the flooding.

By not implementing a BOSC designation, there would be no impact to the County's progress toward investigation of flooding solutions.

Would the flooding get more attention if the BOSC designation is enacted?

No, both the County and the SWFWMD are actively engaged in finding a solution regardless of a BOSC designation.

Why has there been a change in wanting BOSC designation?

The County does not want to impose any negative stigma on property owners if the BOSC is not required. Because another avenue to request additional stormwater modeling through the Chapter 4 rules has been identified, the BOSC is not required to fulfill this purpose.

The consensus of the resident representatives in attendance was to place the implementation of a BOSC on hold until they could present the information provided during this meeting to their respective Trinity/Thousand Oaks boards for further discussion.

The proposed BOSC language was on the Development Review Committee (DRC) agenda for this Thursday. The County agreed to continue the BOSC proposed language to the next DRC meeting to allow residents time to discuss the information. The proposed BOSC language will not go before the Board of County Commissioners (BOCC) until after it goes before the DRC.

Would implementing a BOSC hold the County to higher standards?

No, a BOSC designation will in no way change the current approach for flooding solutions or standards. Solutions can still be accomplished without the BOSC designation.

2. Stormwater Model Overview (Stormwater Management)

An overview of watershed modeling and the preliminary findings of the updated model were presented to the group.

A watershed model is a representation of what happens within an area during a rainfall

event. Data sources for models include LIDAR and surveyed elevations for land surface contours, and rainfall data from both hypothetical and actual events. Hypothetical rainfall events investigated through modeling evaluations typically range in frequency from a mean annual (2.33-year) to a 100-year recurrence interval, and have 24-hour durations. This roughly translates to between 4 and 12 inches of rainfall in 24 hours, for this area

Additional survey work was performed by Florida Design Consultants at the direction of the County and the surveyed floor elevations were added to the model updates. Transects, indicating surveyed cross-sectional elevations within the wetlands, were also added to the model. Preliminary model results, comparing model results versus documented data, indicate that the model is slightly more conservative but a good representation of observed events.

The preliminary model results indicated some homes within the basin may flood during a 100-yr storm event. Homes are typically built to a 100-yr flood protection level of service (LOS), however; roads are constructed to a lower LOS. For newer roads this LOS is to prevent flooding during a 25-year storm event.

A 100-yr storm event is represented by 12 inches of water within a 24 hour period and the mean annual rainfall is 4.5 inches. Tropical Storm (TS) Debby produced 14.5 inches of water within a 24 hour period. Some homes that experienced flooding during TS Debby did not show flooding in the model during the simulated 100-yr storm event.

The model has not yet been finalized. The model will be used to predict flooding but will also be used to model scenarios that can improve pond recovery.

3. Review of Current Project Alternatives (Stormwater Management and Engineering Services) -*Note that the various BMPs were discussed during the previous meetings and additional information can be found in the November 5th meeting summary.*

The preliminary model was used to evaluate some of the proposed Best Management Practices (BMPs). A model scenario looking at improvements within the wetlands did result in improvements for pond recovery.

A review of the proposed BMPs previously presented to the group (see attached map and BMP tracking matrix) was presented. When evaluating the selected BMPs, the County will need to look at cost versus benefit for the LOS. The County will also need to look at funding sources available while looking at the cost/benefit ratio.

If streets were only flooding once in 25 years it would be acceptable but streets have been flooding 3-6 times per year.

Improving the pond recovery will help to alleviate the street flooding and the modeling will help to determine ways to improve pond recovery.

The wetlands area in BMP #5 would help with pond recovery. This area appears to have been previously ditched. This would be a better fix and could help to retain healthy wetlands.

It is possible that ditching impacts could be limited by an alternative route around the back of roads and then to ponds. There are a variety of potential alternatives within BMP

#5.

During a recent site visit, an area that appeared to have silt build-up was noted. It may be possible to perform some activities, such as silt removal, without an Army Corps of Engineers (ACOE) permit. Representatives from Congressman Bilirakus' office have contacted the ACOE to help expedite permitting efforts.

Will pumping still be needed at Trinity Oaks?

The County will need to wait on the model results to identify area impacts. The initial evaluation can look at bigger ponds and wetlands.

Recent site visits reviewed several potential maintenance issues. The site visits were conducted in response to a document prepared by Adam Smith Enterprises entitled "Duck Slough Drainage Improvements". At the entrance of Wingate, there is an area on the left (east side) that has sand washed from the concrete pad area into a catch basin. It appears that hosing activities are washing sand and debris into drainage system. In other areas, trees were said to be blocking water flows and new vegetation was said to be growing in culverts due to silt deposits.

The current model assumes that drainage structures are cleaned and maintained.

Within the BMP #8 area, the culverts from Crescent Oaks to Cypress Run appear to be blocked. The SWFWMD will be meeting with Pinellas County representatives to discuss maintenance activities needed in this area. BMP #8 will require additional modeling as there is no existing model of the receiving Hollin Creek basin.

Within BMPs # 6 and #7, it is noted in the report that overgrowth is not allowing flows through the wetlands and that water needs to flow out before new water comes in. If the ground is already saturated, there is zero available storage. It would be good to work from downstream to upstream to allow flows to exit the wetlands.

If the existing structures (weirs) were cut down by 6 inches, water would flow. The structures are a high point and prevent flows from passing.

The intention is to get pond recovery but the pond recovery is driven by ground water levels. Taking too much water out of the wetland may compromise the quality of the wetland. Water table restoration efforts through reduced pumping may have resulted in even higher water tables. Water levels retained in some wetlands appear to be significantly higher than needed. The model results can help to address these concerns and identify ways to improve pond recovery.

What about Y - gate at Little Rd?

Only a portion of the flows are by-passing the gate. Improvements will need to make sure there are no adverse downstream impacts.

Will the BMP #1 model look at both flooding and pond recovery?

Yes, the BMP #1 model will look at both.

Will model results also look at combined projects?

Yes, some will be combined if they make sense together.

The ACOE has confirmed that ACOE permits are required for BMPs #1 and #5. The ACOE preference is to see all of the proposed project areas under one submittal package to be evaluated as a system. The County will ask to have BMP #8 permitted separately as this project will take more time to complete due to the additional Hollin Creek model that will be needed.

The ACOE can propose other project alternatives. The danger with permitting all alternatives together is that the ACOE may select more difficult and costly alternatives.

BMP #7 is maintained by the Master Homeowners Association (HOA). The SWFWMD has met with the Master HOA and they are ready to start cleaning. There is still some hesitation regarding the cleaning and the resulting release of the backed-up water. The cleaning can be done in steps to prevent a rapid water influx downstream. The SWFWMD will also work with the Master HOA to complete BMP #2.

BMP #6 includes cleaning around the weirs. There is currently a silt island and debris around weirs. This maintenance should be completed as soon as possible to help prevent future flooding and allow the water to flow through the area.

Ardaman & Associates (consulting firm performing the modeling) has requested to be notified when the BMP maintenance activities are completed. Updates to the model may be needed based on resulting observations after maintenance activities are completed.

A vote, by raise of hands, was conducted and the group selected the following BMPs to be modeled:

- BMP #1 (area behind the CVS)
- BMP #5 (area through the wetlands)- small ditch through the wetlands which can be either continuous or placed in isolated areas
- BMP #8 - (by Pinellas County)
- BMPs #10 and #11 (along Mitchell Blvd) - will be modeled together

The model for BMP#5 will assume that BMP #1 has been completed. BMP #1 will be modeled alone and in various combinations.

After the selected BMPs are modeled, the costs and funding associated with the permitting and performance of the BMPs will need to be discussed.

The model will help to determine the amount of water that will need to be diverted and then a cost can be estimated.

Meeting Logistics

The next meeting will provide an overview of the preliminary model results for the selected BMPs. To allow time for the selected BMPs models to be completed, the next Task Force meeting will be held on Monday, December 17th from 4:00 pm to 6:00 pm at this same location (Pasco County Emergency Operations Center).



**THOUSAND OAKS/TRINITY OAKS
PROBLEM SOLVING TASK FORCE MEETING
November 27, 2012
3:00 p.m. – 5:00 p.m.
Emergency Operations Center
8744 Government Drive, New Port Richey**

Agenda

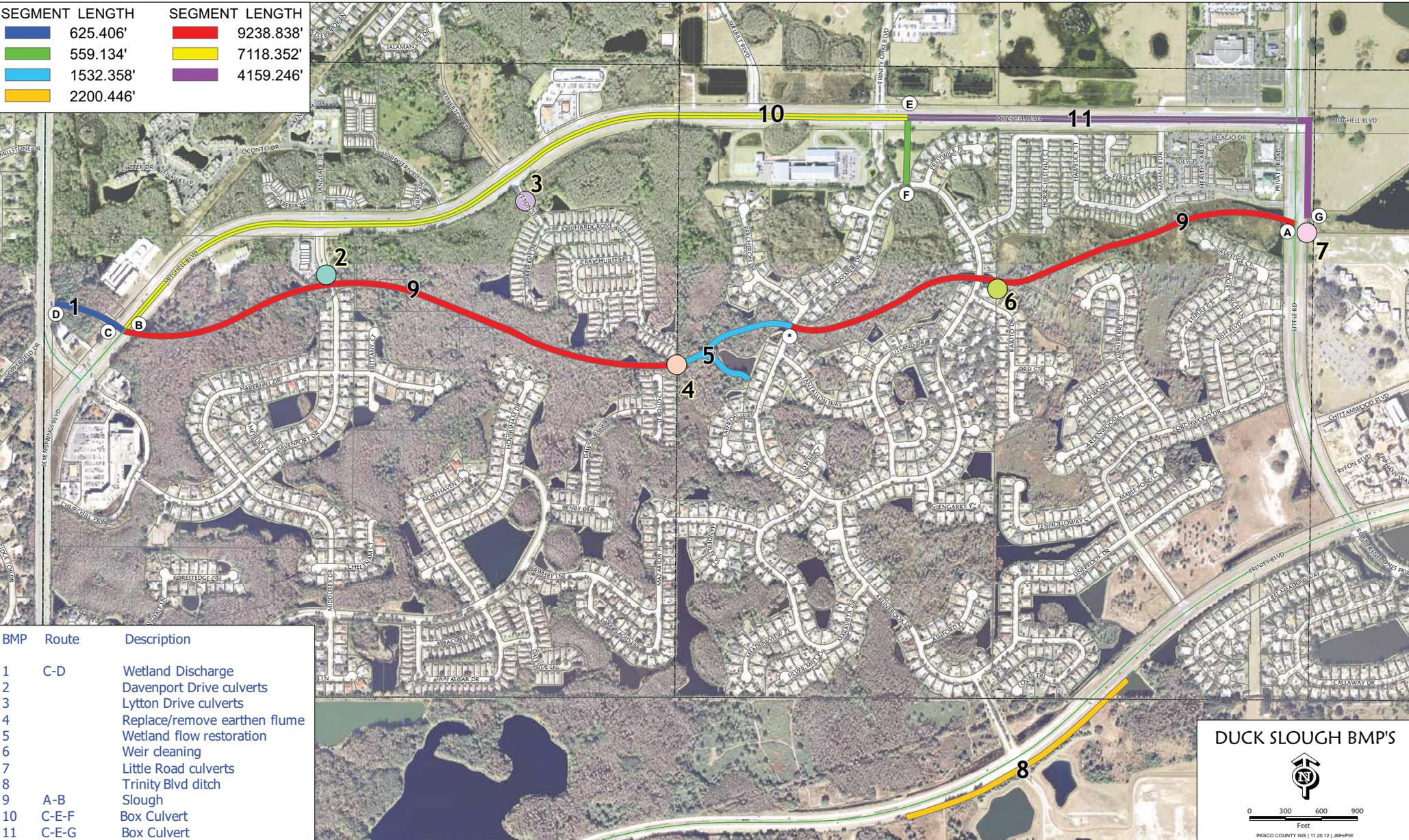
1. Arrival, Sign-In, Greeting and Introductions
2. Recap of Purpose and Previous Meeting
3. Action Items Update
 - a. Drainage Basin of Special Concern Update (Engineering Services)
 - b. Stormwater Model Overview (Stormwater Management)
 - i. Purpose of a Stormwater Model
 - ii. Summary of Model Updates
 - iii. Model Results and Demonstration
 - c. Review of Current Project Alternatives (Stormwater Management and Engineering Services)
4. Additional Stormwater Updates & New Issues
5. Next Meeting
6. Conclusions, Adjournment

Category	Activities	Description	Consultant	Start Date	Due Date	Actual Completion Date	Design	Permitting Difficulty	Mitigation Cost	Right of Way Acquisition -Property Permissions	Bid Procurement	Construction Cost	Cost Estimate	Time to Implement	Comments	Work Order / Accounts/ Task Order(s) / Funding Sources
	BMP No. 1	Design, permit & construction flow way from existing culverts under Mitchell Blvd. to the existing culverts under Seven Springs Blvd. In the area of the CVS Store.	Atkins					Medium Difficulty; Permits required from SWFWMD, ACOE	Medium Cost	Easement or ownership will be required from Chelsea Preserve		Medium	\$600,000 estimate from Adam Smith	Medium	Requires New Permit; Received partial exemption from SWFWMD on August 16, 2012 for removal of a tree on the downstream side (File No. 669776); Additional survey from FDC requested November 8, 2012; Meeting with ACOE held on November 13, 2012	Work Order No. X-09393.15; Account No. B193-820041-66635\DSA036
	BMP No. 2	Davenport Drive at Mitchell Blvd. Clearing of growth and debris from the area immediately upstream and downstream of the culverts.	Stormwater Operations					n/a	n/a	n/a	n/a	n/a	n/a	n/a	Area was maintained	
	BMP No. 3	Lytton Road at Mitchell Blvd. Clearing of growth and debris upstream and downstream of the culverts.	Stormwater Operations					n/a	n/a	Right of Entry obtained on October 18, 2012	n/a	n/a	n/a	n/a	Area was maintained	
	BMP No. 4	Trinity Oaks west property line. Replace earthen flume with concrete flume.						n/a	n/a	n/a	n/a	n/a	n/a	n/a	Completed in 2005. Flume was allowed to be removed by SWFWMD.	
	BMP No. 5	West side of Kinsmere Drive in Trinity Oaks. Restoration of the flow way through the wetland.						High Difficulty; Permits required from SWFWMD and ACOE	High; Wetland Mitigation required	Easements Required		Medium		Long	Requires new permit. Exemption to reestablish denied by SWFWMD.	
	BMP No. 6	East side of Kinsmere Drive. Cleaning and clearing both upstream and downstream of the weir. Weir needs repair.						Low Difficulty	Low			Low		Short	Repairs needed.	

Category	Activities	Description	Consultant	Start Date	Due Date	Actual Completion Date	Design	Permitting Difficulty	Mitigation Cost	Right of Way Acquisition -Property Permissions	Bid Procurement	Construction Cost	Cost Estimate	Time to Implement	Comments	Work Order / Accounts/ Task Order(s) / Funding Sources
	BMP No. 7	Duck Slough at Little Road. Cleaning and clearing debris and vegetation both upstream and downstream of the culverts and weir.						n/a	n/a			Low		Short	This is upstream of area of known flooding and therefore the lack of maintenance not a contributing factor. At the November 5, 2012 Problem Solving Task Force meeting the residents asked that this cleaning be delayed. Delay was asked for as a concern that additional flow would impact the downstream neighborhoods.	
	BMP No. 8	Redirect stormwater so that it flows directly into Pinellas County wellfield property.	SWFWMD					Medium difficulty; SWFWMD, Pinellas County and Interlocal Agreement with Pinellas	n/a			Low		Medium	Requires New Permit. This is a separate watershed-Brooker Creek	
	BMP No. 9 - Wetland Dredge		TBD					High Difficulty; Permits required from SWFWMD and ACOE	High			High		Long	Requires New Permit.	
	BMP No. 10 – Bypass – Mitchell at Seven Springs to Trinity Oaks (CEF)		TBD					High Difficulty; Permits required from SWFWMD and ACOE (Secondary Impacts), Right of Way Use Permit	High			High		Long	Requires New Permit.	
	BMP No. 11 – Bypass-Mitchell at Seven Springs to Little Road (CEG)		TBD					High Difficulty; Permits required from SWFWMD and ACOE (Secondary Impacts), Right of Way Use Permit	High			High		Long	Requires New Permit.	

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	Immediate Maintenance															
Financial	SWFWMD Cooperative Funding Agreement														Approved by Governance Board on September 25, 2012. Awaiting agreement from SWFWMD.	
Analysis	Alternative Pumping Sites		Stormwater Operations												Ongoing	
	SCADA (Supervisory Control and Data Acquisition System)	Preparation of a Technical Specifications package to be used for the procurement of a contractor to install the needed infrastructure (power, poles, camera, internet, etc.) along with the installation of the SCADA system and associated software to observe and operate the gates on the existing BMPs within Duck Slough remotely.	Applied Sciences Consulting, Inc.	November 8, 2012	3 months from Notice to Proceed /February 2013							TBD			Task Order approved by the BCC on November 7, 2012.	Task Order SMO13-003; 50% of costs eligible for reimbursement under the SWFWMD Cooperative Funding Agreement
Planning	Drainage Basin of Special Concern		Engineering Services												Introduced by BCC on October 23, 2012. Local Planning Agency scheduled for November 8, 2012 but will be continued to November 29, 2012. BCC Public Hearings on December 4 & 18, 2012 at 1:30 pm in the West Pasco Government Center.	

SEGMENT LENGTH	SEGMENT LENGTH
█ 625.406'	█ 9238.838'
█ 559.134'	█ 7118.352'
█ 1532.358'	█ 4159.246'
█ 2200.446'	



BMP	Route	Description
1	C-D	Wetland Discharge
2		Davenport Drive culverts
3		Lytton Drive culverts
4		Replace/remove earthen flume
5		Wetland flow restoration
6		Weir cleaning
7		Little Road culverts
8		Trinity Blvd ditch
9	A-B	Slough
10	C-E-F	Box Culvert
11	C-E-G	Box Culvert

DUCK SLOUGH BMP'S

0 300 600 900
Feet

PASCO COUNTY GIS | 11.20.12 | JMH/PW



**Pasco County, FL
 Stormwater Management Program
 Thousand Oaks/Trinity Oaks Task Force Meeting
 Attendance Sheet for November 27, 2012 @ 3:00pm**

Present	Name	Organization	Mailing Address	Telephone	E-Mail Address
	Aiello, Maryanne	Thousand Oaks 6-9	9851 SR 54 New Port Richey, FL 34655	727-946-0694	maryanne@parklaneres.com
X	Aiello, Vincent	Thousand Oaks 2-5	9851 SR 54 New Port Richey, FL 34655	727-643-2922	vaiello@tampabay.rr.com
Via Phone	Allen, Pat	Thousand Oaks 6-9	8845 Wavy Edge Ct. New Port Richey 34655	727-372-7765	patallen8845@gmail.com
X	Baker, Michele	Chief Assistant County Administrator	7530 Little Rd., Suite 320, New Port Richey, Fl 34654	727-847-8140	mbaker@pascocountyfl.net
	Cox, Ronald	Thousand Oaks 2-5	8420 Linebrook Drive, Trinity, FL 34655	727-207-5588	rcox24@tampabay.rr.com
X	Cronyn, Ed	Atkins	4030 W Boy Scout Rd, Ste. 700, Tampa, FL, 33607	813-281-8384	ed.cronyn@atkinsglobal.com
	deGolian, Peter	Atkins	4030 W Boy Scout Rd, Ste. 700, Tampa, FL, 33607	813-281-8384	Peter.deGolian@atkinsglobal.com
X	DeLoach, Dave	Ardaman	8008 S. Orange Ave, Orlando, Fl 32809	407-855-3860	ddeloach@ardaman.com
X	Doying, Annette	Emergency Management Director	8744 Government Dr, Bldg A, New Port Richey, Fl 34654	727-847-8137	adoying@pascocountyfl.net
X	Evans, Randy	Thousand Oaks			revans2525@aol.com
X	Fasano, Mike	State Senator / State Rep.	8217 Mass Ave. New Port Richey, FL 34053	727-848-5885	mike.fasano@myfloridahouse.gov
	Foster, Shawn	Southern Strategy Foxwood	4023 Tampa Rd. Suite 2001 Oldsmar, FL 34677	727-808-4131	foster@sostrategy.com
X	Gagne, Albert	SWFWMD	2379 Broad Street Brooksville, Fl 34604-6899	352-796-7211	Albert.Gagne@swfwmd.state.fl.us
X	Garrett, Michael	Public Works Director	4454 Grand Blvd., New Port Richey, Fl 34652	727-834-3611	mgarrett@pascocountyfl.net
X	Girardi, Jaime	Regency Design & Engineering, Inc.	9400 River Crossing Blvd. , Ste 104, New Port Richey, Fl 34655	727-375-1155	GirardiJP72@yahoo.com
X	Gray, Brandon	Scheda Ecological Associates	5892 East Fowler Ave. Tampa, FL 33617	813-989-9600	bgray@scheda.com
	Herd, Ken	SWFWMD	2379 Broad Street Brooksville, Fl 34604-6899	352-796-7211	ken.herd@watermatters.org
	Hittos, Liz	Rep.Gus Bilirakis	35111 U.S. 19 N Palm Harbor, Fl 34684	727-773-2871	elizabeth.hittos@mail.house.gov
	Hopkins, Michele	SWFWMD	2380 Broad Street Brooksville, Fl 34604-6899	352-796-7212	michele.hopkins@swfwmd.state.fl.us
	Hull, Clark	Clark Hull & Associates	P.O. Box 89 Lutz, Fl 33549	813-781-1779	clark@clarkhullandassociates.com
	Hunting, Jay	Florida Design Consultants	3030 Starkey Blvd. New Port Richey, Fl 34655	727-849-7588	jhunting@fldesign.com
X	Jolly, Cindy	Project Manager	4454 Grand Blvd., New Port Richey, Fl 34652	727-834-3611	cjolly@pascocountyfl.net
	Kupstas, David	Thousand Oaks - Phase I	8549 Orsi Ct. Trinity, FL 34655	727-424-4031	david.kupstas@clubcorp.com
	Levi, Ronald	Trinity Oaks - President	1742 Kinsmere Dr. Tampa, FL 34655	727-372-7889	rlevi3@verizon.net
X	Lowe, Karen	CDM Smith	1715 North Westshore Blvd., Tampa, Fl 33607	813-281-2900	loweks@cdm.com
X	Marchand, J.P.	SWFWMD	2379 Board St. Brooksville, Fl 34604	352-796-7211	jpmarchand@swfwmd.state.fl.us
X	Mariano, Jack	BOCC Pasco County	8731 Citizens Dr. New Port Richey, FL 34654	727-847-8100	jmariano@pascocountyfl.net
X	Martin, Cara	SWFWMD	2379 Broad Street Brooksville, Fl 34604-6899	352-796-7211	cara.martin@watermatters.org
X	Mayer, Richard	SWFWMD	2379 Broad Street Brooksville, Fl 34604-6899	352-796-7211	Richard.Mayer@swfwmd.state.fl.us
X	McCarty, Bill	Thousand Oaks 2-5	8743 Maple Pond Ct. Trinity FL 34655	727-376-6706	bmccarty@tampabayrr.com



**Pasco County, FL
 Stormwater Management Program
 Thousand Oaks/Trinity Oaks Task Force Meeting
 Attendance Sheet for November 27, 2012 @ 3:00pm**

Present	Name	Organization	Mailing Address	Telephone	E-Mail Address
	Ochs, Jared	Rep. Corcoran	7132 Little Rd. New Port Richey, FL 34654	727-792-5177	jared.ochs@myfloridahouse.gov
	Parikh, Bipin	Administrator/Development Services	7530 Little Rd., Suite 320, New Port Richey, FL 34654	727-847-8140	bparikh@pascocountyfl.net
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	Ries, Thomas	Scheda Ecological Associates	5892 East Fowler Ave. Tampa, FL 33617	813-989-9600	tries@scheda.com
X	Ritter, Monte	SWFWMD	2379 Broad Street Brooksville, FL 34604-6899	352-796-7211	Monte.Ritter@swfwmd.state.fl.us
X	Robertson, Summer	Rep.Gus Bilirakis	35111 U.S. 19 N Palm Harbor, FL 34684	727-237-6811	summerstar1979@yahoo.com
	Sharples, Jennifer	Communications Specialist	4455 Grand Blvd., New Port Richey, FL 34652	727-834-3611	jsharples@pascocountyfl.net
X	Smith-Cation, Caroline	Atkins	4030 W Boy Scout Rd, Ste. 700, Tampa, FL, 33607	813-281-8384	caroline.cationsmith@atkinsglobal.com
X	Spirtos, Nicki	Assistant County Attorney	7530 Little Rd., Suite 340, New Port Richey, FL 34654	727-847-8120	nspirtos@pascocountyfl.net
	Van Wyk, Neels	Thousand Oaks Multi-Family	8605 Hawbuck St. Trinity, FL 34655	727-798-6478	nvanwyk@verizon.net
X	Wegener, Greg	Florida Design Consultants	3030 Starkey Blvd. New Port Richey, FL 34655	727-849-7588	gwegener@fldesign.com
	Wertovitch, Steven	Heritage Springs - CDD Chair	1131 Ashbourne Circle, Trinity FL, 34655	727-375-0852	switcs@aol.com
X	Widman, James	County Engineer	P.O. Box 2144 Land O' Lakes, FL 34639	727-847-8140	jwidman@pascocountyfl.net
X	Wiltsey, Richard	Trinity Oaks - Vice President	1242 Arlinbrook Drive, Trinity, FL 34655	727-372-2160	rewiltsey@verizon.net