

Pasco County Thousand Oaks/Trinity Oaks Problem Solving Task Force Meeting December 17, 2012

December 17, 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 December 17, 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) welcomed the group and 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 27, 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)

As a result of the BOSC discussions at the last meeting, the resident representatives in attendance asked 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. Some concerns had been conveyed to the County regarding a potential for negative perceptions for homes within a BOSC.

The area that would be included in the new BOSC is an open basin which flows out to the west. A BOSC designation would allow requests for additional storm event models as part of the permitting review process. The County has identified an alternative method for requesting the additional storm event models.

After review of the previous meeting summary and presentation, the Trinity Oaks homeowner's board, by unanimous vote of the seven members, does not want the County

to pursue a BOSC. There does not appear to be a need for the BOSC designation and residents do not want the potential negative impacts that may be associated with the BOSC designation. Residents want to focus on resolution of the flooding.

The homeowner's boards for Thousand Oaks 2-5 and 6-9 are in support of the BOSC designation. It was felt that the BOSC designation may ensure consistency in criteria for future permit reviews. The BOSC designation could be removed in the future. Residents are concerned about the permitting of future developments during resolution of the current flooding problems.

The area that would be included in the proposed BOSC encompasses more areas than just Trinity and Thousand Oaks and sub-basin delineation will be needed. The BOSC would include language to incorporate all areas that send stormwater flows into Thousand Oaks. Areas that do not contribute to that sub-basin, would not be included.

The BOSC will need to be approved by the Development Review Committee and the BOCC. All impacted parties will have an opportunity to provide input.

2. Summary of Preliminary Model Results (Ardaman)

The Duck Slough model uses rainfall (actual and synthetic events) to predict impacts from various storm events. Information gathered after Tropical Storm Debby was used to help validate the model. The preliminary model indicates that there are a few properties that would be impacted during a 100-year storm event.

Best Management Practices (BMPs) evaluated in the updated model included the following BMP combinations (see attached slides for descriptions and locations of these BMPs):

- BMPs #1 plus #5
- BMPs #1, #5 plus #8
- BMPs #1, #5 plus the combined #10 with #11.
- BMPs #1, #5, #8 plus the combined #10 with #11.

For each BMP, preliminary design criteria, such as ditch widths, lengths and side slopes, were selected and used to input into the model. For BMP #5, a preliminary design previously completed by Florida Design Consultants was used. The model did not include tidal events.

For each model combination, a variety of sites were selected to identify the impacts of the various BMP models. The stormwater flows at BMP #1 currently split into two directions and it was determined that any revisions in this area, need to continue to split the flow to prevent negative downstream impacts in either direction.

The greatest flood reduction was realized with the proposed bypass (BMPs #10 and #11), however; the bypass created negative downstream impacts which will not be permitted.

The combination of BMPs #1, #5, and #8 do not resolve the potential for some flooding within homes as noted in the preliminary model when using a 100-year storm event. If the bypass (BMPs #10 and #11) is added, most potential home flooding noted within the

model is resolved but negative downstream impacts were noted. The preliminary model indicated that there is one home where the potential for flooding during a 100-year storm event was not resolved in the model regardless of the BMPs modeled.

Did the model account for the development within the area from 2005 to 2012?

This was not evaluated. To identify which development/growth was accounted for, the land codes used in the 2005 model would need to be evaluated. This project did provide some updates to survey elevations.

What about relief from road flooding?

Yes, the modeled BMPs did appear to be able to help alleviate the road flooding. The flooding reduction was the greatest with the bypass but all the BMPs will provide some reduction to street flooding.

Although the residents are concerned with the flooding within the homes, the community also wants reduction in road flooding. This reverts back to the level of service (LOS) for roads. Some road flooding will occur during a 25-year storm event. It appears that BMP #5 will resolve the street flooding seen in the Trinity area, increase pond recovery and may not create adverse downstream impacts.

Are the existing new flood control structures included in this model?

Yes, the model assumes that the existing BMPs are open.

What additional modeling may be required to determine which project is the best and not create negative downstream impacts?

Additional modeling will be required to ensure that there are no negative impacts. For BMP #5 there are numerous potential routes to be considered and this BMP has not been modeled separately.

Is there likelihood that a resolution to prevent all flooding can be found?

It may take several steps to resolve flooding problems. A good first step will be to look at pond recovery so new stormwater has somewhere to drain to.

How were the current ongoing maintenance activities included in the model?

The model assumed that all maintenance activities had been completed and that the flow paths had been cleared. Any activities that require permitting are not included as maintenance.

Have any cost estimates been developed?

Since the model results were only recently available, no detailed cost estimates have been developed at this time. Costs will also need to include any required wetlands mitigation.

Based on the model results, BMP #8 did not appear to provide significant flood reduction. Should BMP #8 still be considered?

Since BMP #8 did not appear to have significant positive impacts on the system in the preliminary model, it was decided not to proceed with design and permitting for BMP #8 at this time. This area would also be a long-term project due to the need for another model to be developed for this area prior to permitting.

The County will need to conduct a Benefit/Cost analysis for each of the proposed BMPs. It may be more cost effective to assist the impacted homeowners with participation in FEMA's hazard mitigation grant program than to construct the proposed projects. Flood proofing includes removal of dry wall and replacement with more water resistant materials, use of flood shields and marine grade paint.

Would flood proofing prevent flooding during a 100-year storm event?

Flood proofing does not necessarily prevent all flooding but it does minimize the damage and associated costs due to flooding.

Can BMP #5 be modeled to determine impacts on pond recovery and estimate the time required to get water off the roads?

Yes, an isolated area can be evaluated within the current model.

As was previously noted, not all the ponds are currently in the model due to time constraints.

Can water be drawn down in this area prior to a flood wave reaching the area?

The amount of stormwater would be difficult to offset and it would need to have somewhere to go.

Would a smaller culvert work?

It would be better to avoid pressurized flows. The size of the proposed culvert can be optimized with additional modeling and during actual design.

Does the County have flood assistance funding?

Yes, the County actively participates and pursues funding through the federal programs. Some funding is available for damage caused by Tropical Storm Debby. There are currently programs and processes already in place. *Additional information is available through the Pasco County Office of Emergency Management at (727) 847-8137.*

How will the flooding over Little Rd be addressed?

The County will evaluate options and may decide to raise the road and/or add conveyance under the road.

What about adding berms or levy's behind homes that are flooding?

This approach may encroach on the flood plain and require storage. No downstream impacts are permitted regardless of which project is selected and permitting may be an issue. It would also require buy-in from multiple property owners.

Existing weir heights were not adjusted in the preliminary model. Adjusting weir heights may provide additional storage but the impacts would need to be evaluated. The existing weir is actually lower than surrounding area and is not currently functioning as intended.

3. Maintenance Activities Update (SWFWMD)

During a recent site visit, the area for BMP #5 showed the presence of silty sands and brush obstructions. Maintenance activities that do not require permitting are being completed.

A pond skimmer will be installed at Maple Pond Ct. The contractor does not currently have a jet vacuum but will get one.

The Southwest Water Management District (SWFWMD) and the County recently conducted a site visit. The weir at Kinsmere has been cleared but is failing and leaking. It will require repair or replacement.

The weirs at Linsbrook Dr. and Arlinbrook Dr. have been cleared and the skimmer at Torchwood has been replaced.

The County and the SWFWMD are currently looking at the debris behind the medical center starting at the east side of Little Rd and moving upstream.

The SWFWMD is working with Trinity for pond cleaning.

The SWFWMD met with Pinellas County and noted a flow blockage due to an old access road which will be removed by Pinellas County.

The work at Maple Pond Ct. is authorized by an Army Corps of Engineers (ACOE) Nationwide permit.

Do all of these maintenance issues not impact the model?

The model does assume that all maintenance has been completed. When looking at the big overall model, the maintenance issues have a minimal impact.

It will be important to get all the maintenance activities completed before the next rainy season.

4. Summary

Per group discussion, County has directed Ardaman, Florida Design Consultants, and Atkins to progress with design and permitting for BMP #5 and BMP #1.

Additional modeling will be performed for BMP #5 as a standalone BMP. Additional investigation for impacts due to the potential lowering of the weir at BMP 6 will also proceed.

Design of BMP #1 will proceed by Atkins and will mirror the existing flow split to avoid negative downstream impacts.

Florida Design Consultants will update the previous design for BMP #5 that had been completed. A better cost evaluation can be completed once the definitive route for BMP #5 has been selected.

While it was decided not to proceed immediately with design and permitting for BMP 8, there was no decision to discard the BMP 8 concept altogether.

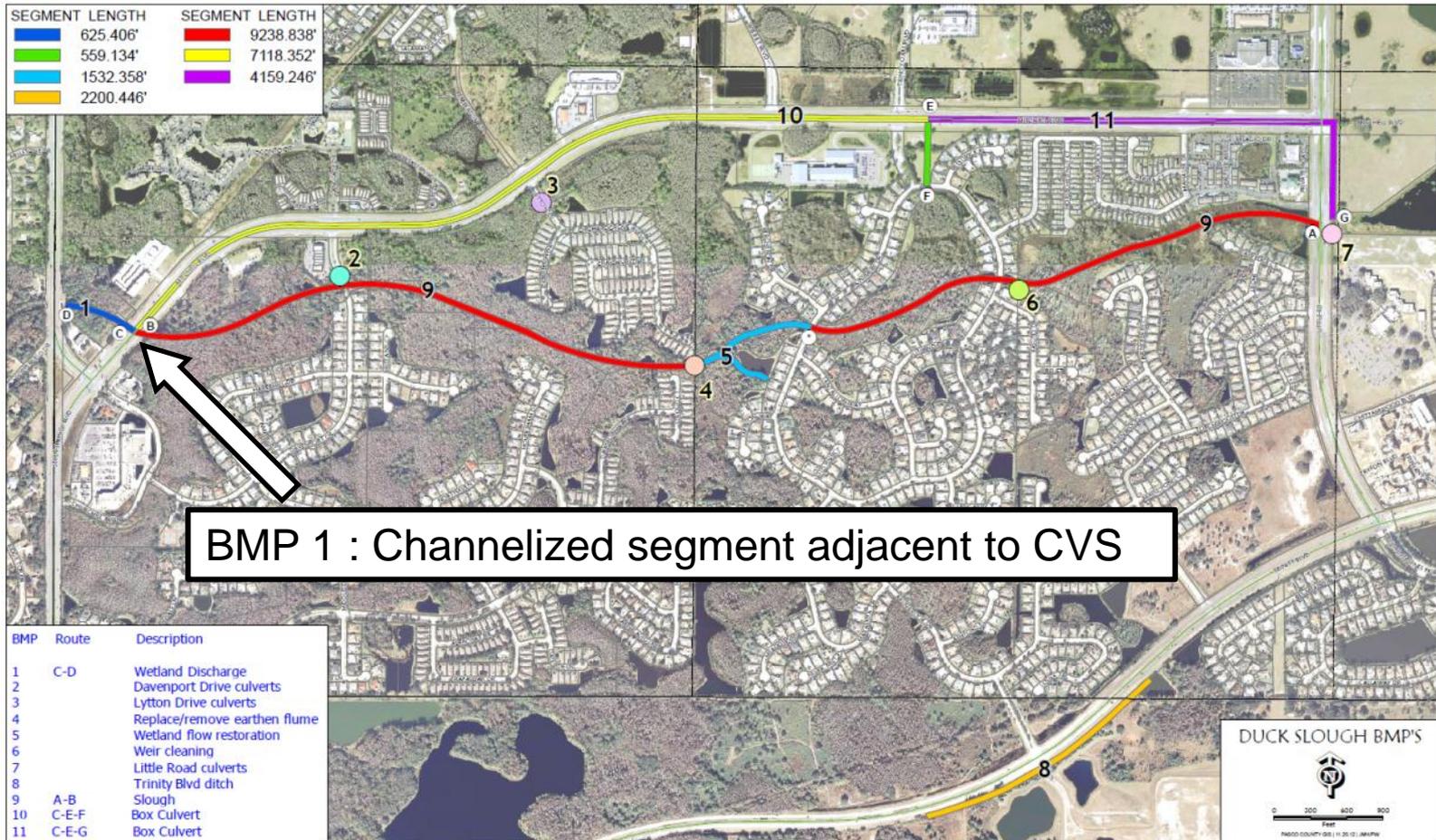
The County will follow up with those homeowners that experienced flooding regarding available funding and flood proofing.

The SWFWMD will be reviewing the preliminary model.

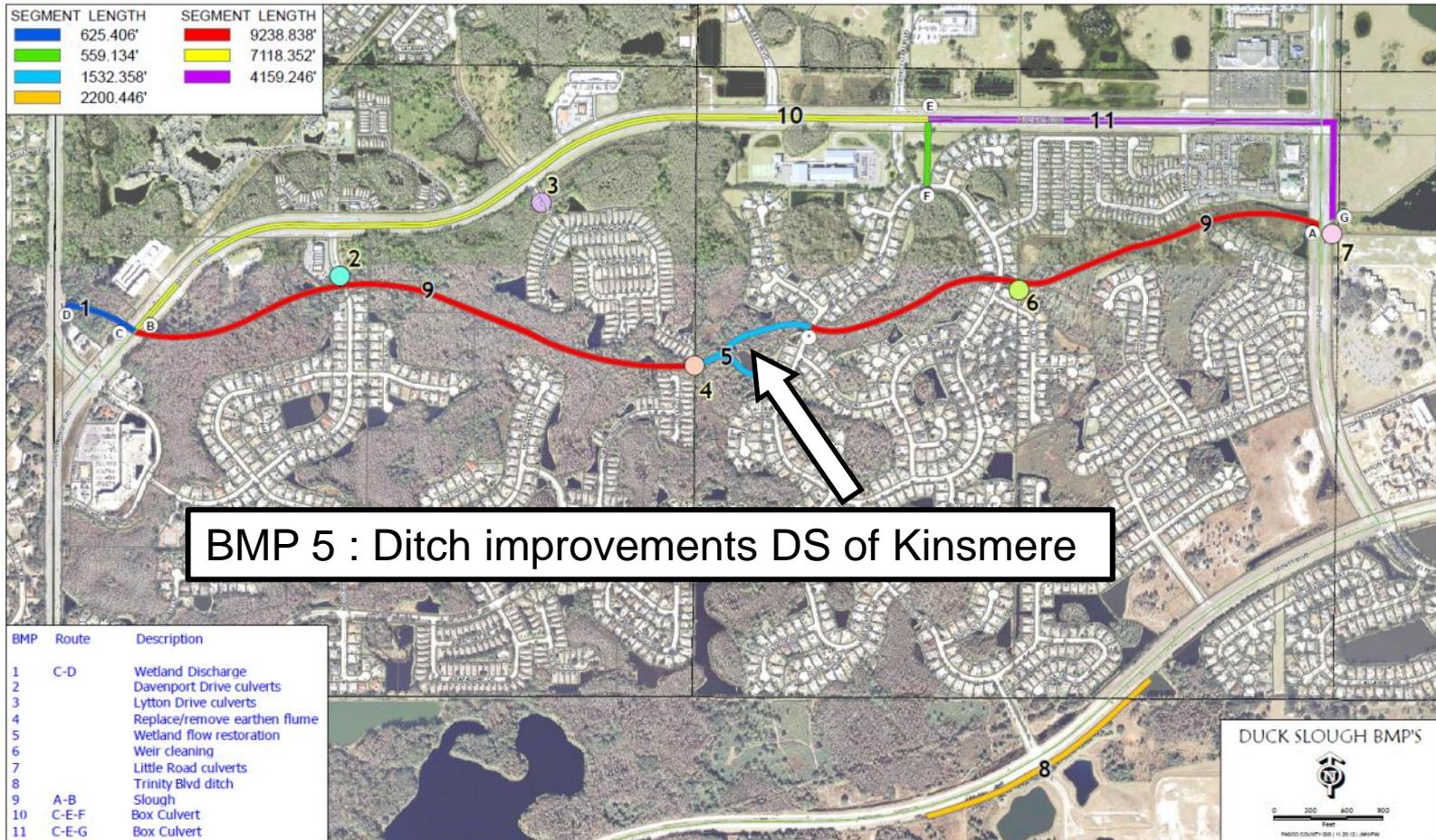
Meeting Logistics

The next Task Force meeting will be held on Monday, January 28, 2013 from 4:00 pm to 6:00 pm at this same location (Pasco County Emergency Operations Center) and will provide an overview of the additional model results for BMPs #1 and #5. It is anticipated that the current maintenance activities and wetland mitigation report will be completed before the next meeting.

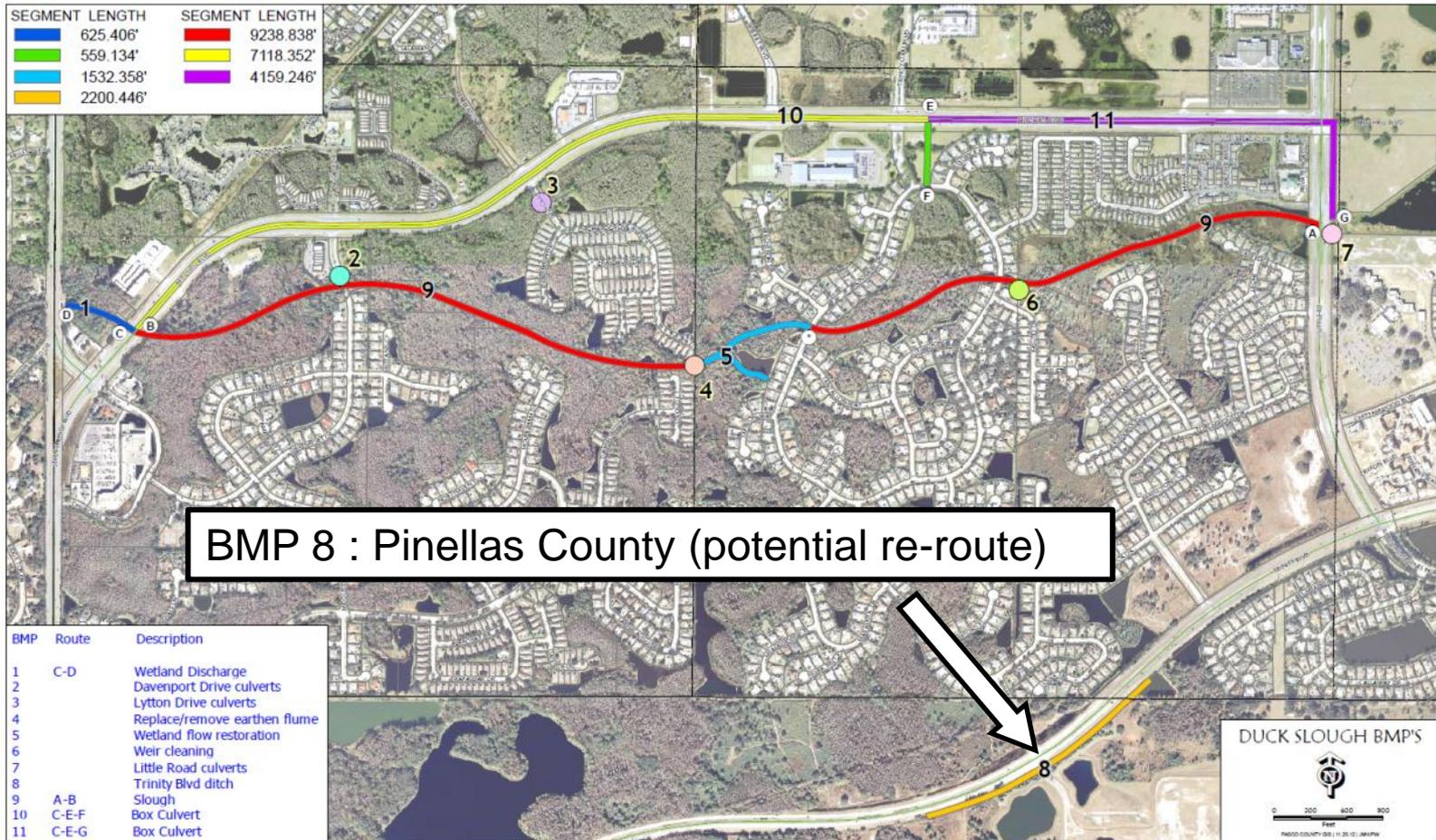
Alternatives Evaluations



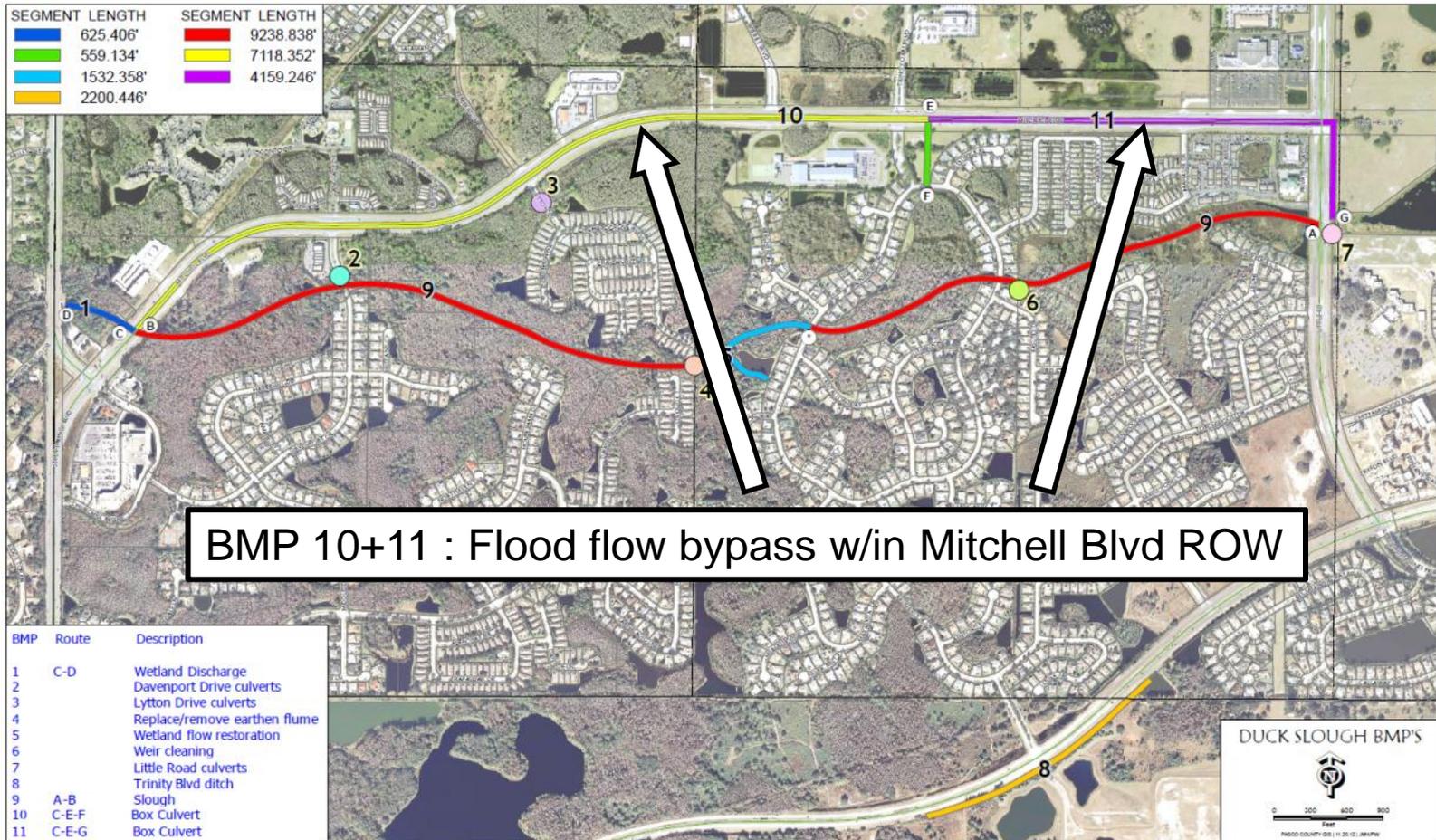
Alternatives Evaluations



Alternatives Evaluations



Alternatives Evaluations





**THOUSAND OAKS/TRINITY OAKS
PROBLEM SOLVING TASK FORCE MEETING
December 17, 2012
4:00 p.m. - 6:00 p.m.
Emergency Operations Center
8744 Government Drive, New Port Richey**

Agenda

1. Arrival, Sign-In, Greeting and Introductions
2. Recap of Previous Meeting
3. Action Items Update
 - a. Drainage Basin of Special Concern Update (Engineering Services)
 - b. Summary of Preliminary Model Results (Ardaman)
 - c. Maintenance Activities Update (SWFWMD)
4. Additional Stormwater Updates & New Issues
5. Next Meeting



**Pasco County, FL
 Stormwater Management Program
 Thousand Oaks/Trinity Oaks Task Force Meeting
 Attendance Sheet for December 17, 2012 @ 4:00 pm**

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
X	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
X	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@atkinglobal.com
	deGolian, Peter	Atkins	4030 W Boy Scout Rd, Ste. 700, Tampa, FL, 33607	813-281-8384	Peter.deGolian@atkinglobal.com
X	DeLoach, Dave	Ardaman	8008 S. Orange Ave, Orlando, Fl 32809	407-855-3860	ddeloach@ardaman.com
	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
	Fasano, Mike	State Senator / State Rep.	8217 Mass Ave. New Port Richey, FL 34053	727-848-5885	mike.fasano@myfloridahouse.gov
X	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
X	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
	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
	McCarty, Bill	Thousand Oaks 2-5	8743 Maple Pond Ct. Trinity FL 34655	727-376-6706	bmccarty@tampabayrr.com



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 Stormwater Management Program
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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
X	Paynter, Shayne	Atkins	4030 W Boy Scout Rd, Ste. 700, Tampa, FL, 33607	813-281-8225	shayne.paytner@atkins.global.com
X	Powanda, John	SWFWMD	2379 Broad Street Brooksville, FL 34604-6899	352-796-7211	John.Powanda@swfwmd.state.fl.us
	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
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X	Stille, Becky	Thousand Oaks	8903 Wavyedge Ct., Trinity, FL 34655	302-354-4265	bstille@tampabay.rr.com
X	Sumner, Kevin	Project Management	8516 Sunset Rd., New Port Richey, FL 34652	727-834-3604	ksumner@pascocountyfl.net
	Van Wyk, Neels	Thousand Oaks Multi-Family	8605 Hawbuck St. Trinity, FL 34655	727-798-6478	nvanwyk@verizon.net
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	Wertovitch, Steven	Heritage Springs - CDD Chair	1131 Ashbourne Circle, Trinity FL, 34655	727-375-0852	switcs@aol.com
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