

Pasco County Thousand Oaks/Trinity Oaks Problem Solving Task Force Meeting January 28, 2013

January 28, 2013 – 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 January 28, 2013. Copies of the PowerPoint presentations utilized during this meeting were provided to attendees via e-mail following the meeting and prior to this meeting summary. The agenda, attendees list, and select slides from the PowerPoint presentations will accompany this meeting summary.

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 December 17, 2012, was distributed to previous attendees via e-mail prior to this meeting for review. There were no comments on the meeting summary during the meeting, however; comments were received after the meeting. An amended copy of the previous meeting summary will be provided.

Action Items Update

1. Summary of Additional BMP Modeling Results (Ardaman)

A brief review of the Duck Slough stormwater model development, recent model updates, and results of additional modeling efforts was presented by Dave DeLoach of Ardaman & Associates. As additional stormwater management information becomes available, the model will be updated. Additional Best Management Practices (BMPs) modeled included BMP #1 as a standalone, BMP #5 as a standalone, and BMPs #5 & #6 modeled together. (*See attached "Alternatives Evaluations" slide from the presentation*)

BMP #1, modeled with an open channel, eliminates some flooding but when the 25-yr

storm event was modeled, created increased water downstream. BMP #1 was also evaluated with a modified design to include a gated culvert system. Some additional flow out of system was noted initially, however; at 24 to 48 hours the benefit of the modified design was not continuous and overall had minimal early benefit. Additional alternatives for BMP #1 will be evaluated.

Did the model presume that additional flows from rainfall were coming?

Yes, it did. In order to be able to drawdown water out of this area there would need to be advance notice that a storm event was coming.

What would be needed to get water to the Anclote and to prevent negative downstream impacts?

There are existing, operable stormwater control structures downstream that assist in getting the water to the Anclote. These existing structures would need to be open and the County is in the process of adding remote operations capability.

Do the negative downstream impacts include impacts to homes?

Yes, model results indicated that there were some structures that may have flooding potential.

Would the combination of BMPs #1 with #5 and/or #6 be beneficial?

Maybe, but further evaluation is needed and this is why we want to continue to consider all of these BMPs in the additional evaluations.

The preliminary modeling of BMP #5 indicated an improved recovery rate for the pond downstream of Kinsmere and improvements downstream of weir. The model indicates that pond recovery could occur within 72 hours instead of taking three months. Additional modeling efforts are anticipated to be completed within the next week.

BMP #6 includes lowering the weir east of Kinsmere by one foot. Model results showed no noted improvements at peak flows but did indicate improved wetland (in Thousand Oaks) recovery response. The weir currently needs repair and the wetland is currently in poor condition with numerous invasive species.

Would BMP #6 create negative impacts if it were implemented with BMP #5?

This is undergoing further evaluation.

By cutting down the weir height, would additional storage be needed or created?

This is undergoing further evaluation.

Will there be improvements for times when back to back rainfall events occur?

Yes, the BMPs will assist during sequential rain events by allowing for improved pond recovery.

2. BMP #1 Update (Atkins)

An overview of BMP #1 was presented by Shayne Paynter of Atkins & Associates.

This is the area behind the CVS (Mitchell Blvd at Seven Springs Blvd) which is being evaluated for potential drainage improvements. (See attached "BMP 1- Proposed Solution" slide from the presentation)

The project will require easements from the property owner(s) and from Progress Energy. The area is mostly wetlands and current elevations will need to be maintained. There is an existing ridge in the wetlands prior to Seven Springs Blvd and there is limited ability to drain this area due to the existing elevations.

A preliminary design alternative would be to construct a pipe to send flows from Mitchell Blvd to Seven Springs Blvd with control structures at the downstream end of the pipe. The preliminary pipe sizing uses 24-inch to 36-inch pipes. The preliminary design also includes remote control ability of the gates via the SCADA system which would only be opened in anticipation of large storm events. Controls would also be connected to the existing structures.

As with any project, no negative downstream impacts would be permitted. By use of a pipe in place of a channel, impacts to the wetlands in this area would be minimized. A cost estimate has not been completed but there would be some cost savings due to the reduced mitigation requirements when compared to mitigation needed for an open channel design.

This BMP will still require an Army Corps of Engineers (ACOE) permit. There are no design alternatives for this BMP that would not require mitigation and permitting. The work to identify wetland mitigation opportunities in parallel with the BMP evaluations and to actively involve permitting agencies to allow for an expedited process has been underway and continues.

3. BMP #5 Update (Florida Design Consultants)

An overview of the BMP #5 design was presented by Greg Wegener of Florida Design Consultants. The plans are currently 80 to 90 percent complete and include four components designated as A through D. (See attached "Photo Key Map" slide from the presentation)

Component A includes removal of silt and vegetation immediately downstream of an existing weir which is approximately 150 feet long. A permit will be required to clear the area and to lower the wetlands ground elevation. Removal of overgrowth is not considered a maintenance activity and requires permitting.

This same condition was noted upstream where elevations have increased behind weirs due to vegetation growth. To allow the weirs to function properly, the excess deposits will need to be removed. Without clear evidence of silt deposits, permits will still be required for the clearing.

Component B relocates an outfall structure. component C includes removal of an earthen dam downstream of an outfall structure, and component D will remove silt away from a flow way and restore a defined swale, which is approximately 10 feet wide, with 4:1 side slopes.

4. Wetlands Mitigation Update (Scheda)

An update of the wetlands mitigation was presented by Brandon Gray of Scheda Ecological Associates, Inc. This effort is taking place concurrent to BMP modeling and designs in an effort to expedite potential solutions. (See attached "Mitigation Plan Summary" slide from the presentation)

The combined wetland impacts for BMPs #1 and #5 equals 2.2 acres with a 1.6 acre functional loss. To offset this wetland loss, use of a parcel of property owned by Pasco County is proposed. The County can use a mitigation bank, create new wetlands out of uplands, perform wetland restoration, provide wetland enhancements, and perform wetland preservation to offset impacts due to the proposed BMPs.

Could BMP #9 be used to gain enhancement credits?

Yes, but the credits gained would be minimal and the costs incurred would be high. This area has high water levels which creates unfavorable conditions for long-term survival of new plantings. The high failure rates in areas with these conditions create a high risk/high cost/low benefit situation. BMP #9 may be able to be improved through use of herbicides which may not require permitting.

The proposed wetland mitigation for the Pasco County property identified includes 36.72 acres and would result in a total of 4.00 wetland functional gain credits. The anticipated cost to improve the entire site is \$379,500. Since the County only needs 1.6 wetland functional gain credits for BMPs #1 and #5, the work for the entire site would not need to be initially completed. The cost for 2 wetland functional gain credits would be approximately \$95,000.

The SWFWMD anticipated timeline for when mitigation must be completed is within 30 days after impacts or by March 1 (if impacts occur between September 1 to January 31). The ACOE requires mitigation completion within 6 months of initiating work or 12 months from the date of the permit (whichever comes first).

How successful has forested mitigation been in the past?

Forested wetlands mitigation is one of the hardest with a high risk of tree mortality. The County will need to provide ongoing maintenance and it will be beneficial to keep nuisance vegetation under control.

Due to the revised BMP #1 pipeline design, the wetland mitigation requirements may be further reduced.

5. Maintenance Activities Update (SWFWMD)

An update of the ongoing maintenance activities with Trinity and Thousand Oaks was provided by John Powanda. The SWFWMD conducted a site visit this past Friday afternoon and two structures are currently under repair.

The weir located within the area of BMP #6 is in need of immediate repair due to seepage. If modifications are proposed, then the existing permit will need to be modified. Since BMP #6 is evaluating the potential impact of lowering this weir by one foot, the County may contact the Master HOA regarding potential weir modifications that could be made at the same time as the repair. If work to lower the weir proceeds (BMP #6), then work for BMP #5 would also need to be completed.

Some maintenance activities, including clearing of the culverts under Little Rd have been completed.

Allowable maintenance activities that do not require permitting include cutting vegetation but do not allow for stump removal or rut creation.

The control weir on the east side of Little Rd is submerged and may be at a lower elevation than the weir at BMP #6. It does not appear to be functioning as intended. The County does not have recent survey elevations at this location but can investigate getting an updated survey for the elevation of the weir at Little Rd.

The contractor performing work at Torchwood does not have a Vac-Truck. The SWFWMD will follow-up to ensure the work gets completed.

6. Floodproofing of Residential Homes –

Due to time limits there was no discussion regarding floodproofing, however; educational materials were distributed at the beginning of the meeting.

Additional Discussion & Next Steps –

When will the permit application be submitted?

The additional modeling efforts are anticipated to take 3-4 weeks to complete. The model will need to be updated with new information and re-validated. Following the completion of the model updates, the final designs for BMPs #1, #5 and/or #6 are 2 weeks away. The additional wetlands mitigation efforts are anticipated to be completed within 3 weeks. At this time, a fair estimate would be 6-8 weeks for permit application submittals.

If BMPs #1, #5, and #6 are constructed, would this solve the flooding problems?

Construction of these BMPs will assist in pond recovery but will not entirely keep water off the streets. However, when streets are flooded, they will not stay flooded for an extended period of time. Due to the requirement to not create negative downstream impacts, any BMPs which might have reduced the flooding upstream cannot be permitted and therefore could not be constructed. Based on the stormwater model, there appear to still be impacted homes but it is not clear how many may continue to be impacted after

BMPs are implemented.

Is the SWFWMD holding up any portion of these projects?

No, each of the BMPs requires an ACOE permit as the ACOE does not have a mechanism to allow for any perceived maintenance activity. Any decisions from the SWFWMD to allow for work without a permit would not impact the project schedule. The SWFWMD has been actively involved in these meetings which will allow for an expedited review process once the permit applications are submitted.

What is the required timeframe for ACOE permit?

The ACOE generally reviews permit applications within 60 – 90 days and can ask for additional information. After all required information has been received; a permit may be anticipated within 180 days. Note that these are guidelines and are not a firm timeline. The County has requested an additional meeting with the ACOE.

Does the ACOE have jurisdiction over tidal waters?

Yes, ACOE has jurisdiction at both. All new construction impacting wetlands requires an ACOE permit.

For implementation of BMP #5, the County will need to act as the owner's agent. BMP #5 includes 1.48 acres of wetland impacts plus secondary impacts due to construction equipment access that will be required.

Thousand Oaks 2 -5 is requesting corrective action at BMP #7. BMP #7 upstream mitigation has not been modeled but it is anticipated to be a large quantity of water. The SWFWMD will meet with Thousand Oaks 2-5 representatives to review the culverts at BMP #7.

Meeting Logistics

The next Task Force meeting will be held on Monday, February 25, 2013 from 4:00 pm to 6:00 pm at this same location (Pasco County Emergency Operations Center).

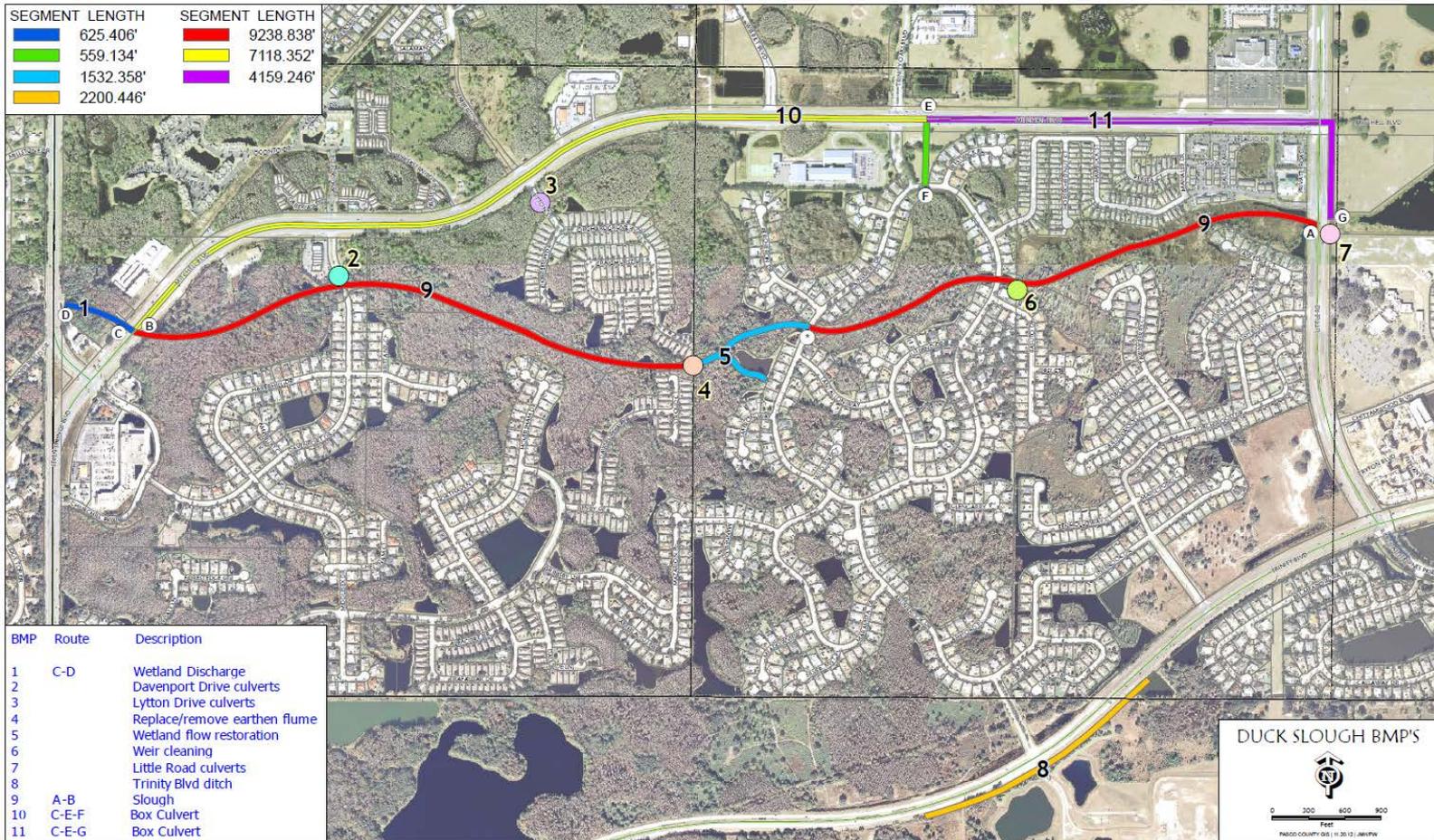


**THOUSAND OAKS/TRINITY OAKS
PROBLEM SOLVING TASK FORCE MEETING
January 28, 2013
4:00 p.m. – 6:00 p.m.
Emergency Operations Center
8744 Government Drive, New Port Richey**

Agenda

1. Arrival, Sign-In, Greeting and Introductions
2. Recap of Previous Meeting
3. Action Items Update
 - a. Summary of Additional BMP Modeling Results (Ardaman)
 - b. BMP #1 Update (Atkins)
 - c. BMP #5 Update (Florida Design Consultants)
 - d. Wetlands Mitigation Update (Scheda)
 - e. Maintenance Activities Update (SWFWMD)
 - f. Floodproofing of Residential Homes
4. Additional Stormwater Updates & New Issues
5. Next Steps

Alternatives Evaluations



BMP 1 – Proposed Solution

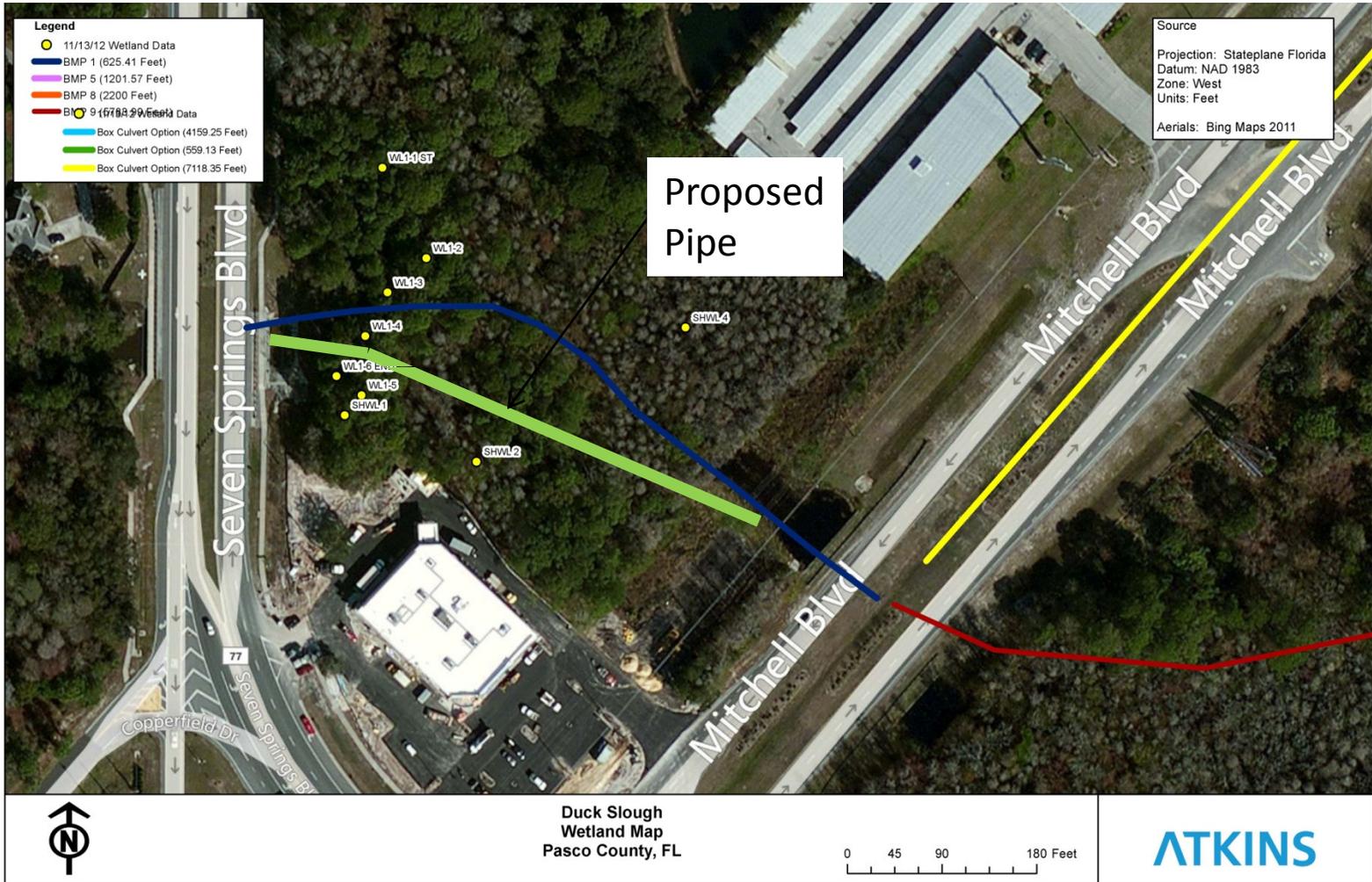
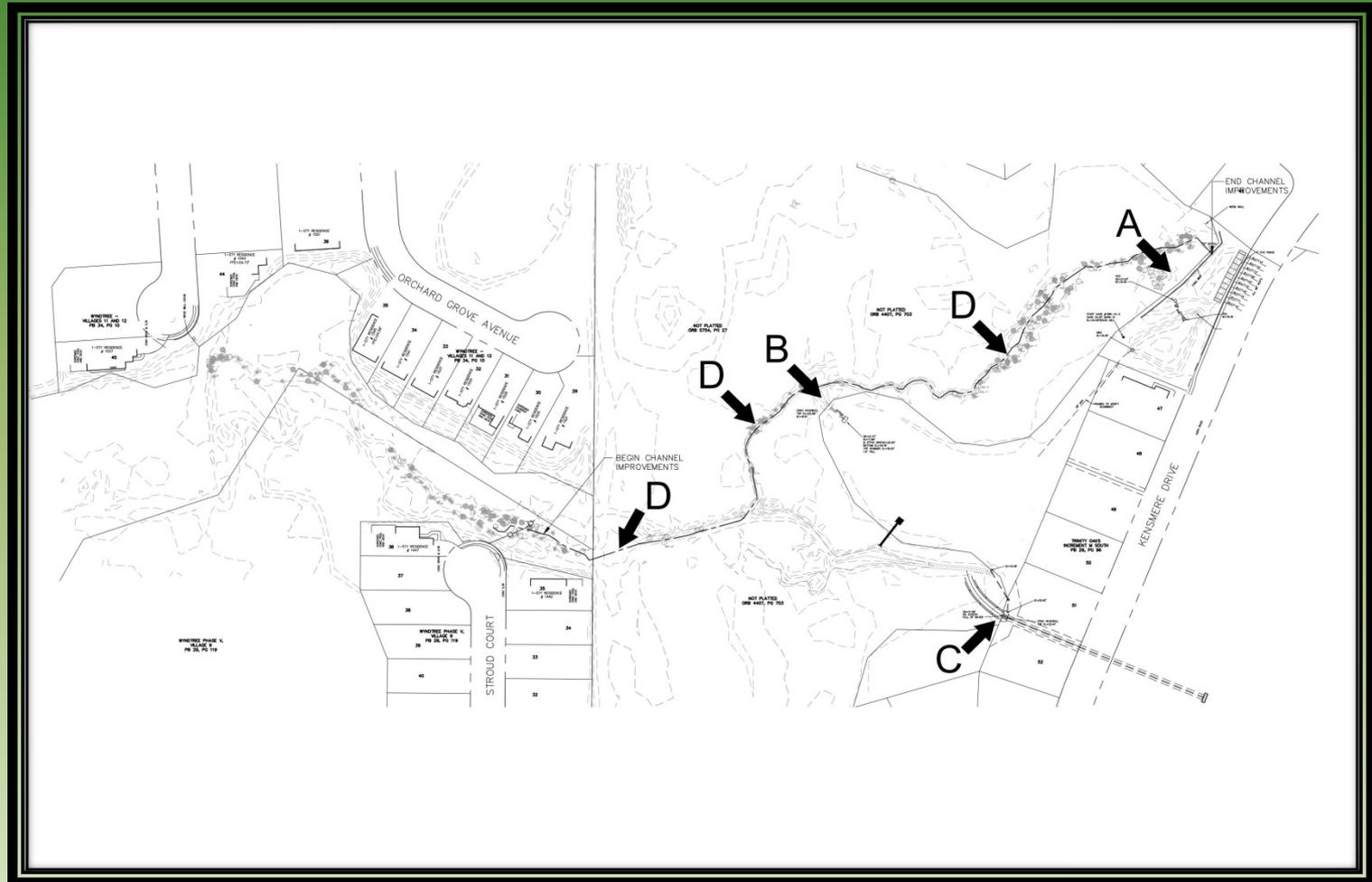


Photo Key Map



Mitigation Plan Summary

Mitigation Type	Acreage	Functional Gain
Forested Wetland Creation	11.00	2.29
Forested Wetland Restoration	1.61	0.18
Wetland Floodplain Enhancement	14.05	1.37
Open Water Creation/Enhancement	1.22	0.16
Upland Enhancement	8.84	1.01
TOTAL	36.72	4.00 (wetland FG)





**Pasco County, FL
 Stormwater Management Program
 Thousand Oaks/Trinity Oaks Task Force Meeting
 Attendance Sheet for January 28, 2013 @ 4:00 pm**

Present	Name	Organization	Mailing Address	Telephone	E-Mail Address
X	Aiello, Maryanne	Thousand Oaks 6-9	9851 SR 54 New Port Richey, FL 34655	727-946-0694	maryanne@parklaneres.com
	Aiello, Vincent	Thousand Oaks 2-5	9851 SR 54 New Port Richey, FL 34655	727-643-2922	vaiello@tampabay.rr.com
X	Allen, Art	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	Clark, Patrick	Wyndgate	7728 Craighurst Lane, New Port Richey, FL 34655	727-372-2577	shamie009@gmail.com
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
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	7601 Highway 301 North, Tampa, FL 33637	813-985-7481	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
X	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
	Martin, Cara	SWFWMD	2379 Broad Street Brooksville, FL 34604-6899	352-796-7211	cara.martin@watermatters.org
X	McCarty, Bill	Thousand Oaks 2-5	8743 Maple Pond Ct. Trinity FL 34655	727-376-6706	bmccarty@tampabayrr.com

