

# Alternative Stormwater Management Facility Report

# Sam Allen Road and Park Road Project Development & Environment Study

From I-4 to Alexander Street Extension Road Widening/Reconstruction Project WPI Seg. No. 257862 1 FAP No. 0295-005

Hillsborough County, Florida

Prepared For:





Florida Department of Transportation
District 7

September 2004 October 2004 (Revised) November 2004 (Revised)

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September 2004
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#### **EXECUTIVE SUMMARY**

The Florida Department of Transportation (FDOT) proposes to widen and reconstruct Park and Sam Allen Roads, a distance of approximately 2.5 miles, from I-4 to the Alexander Street Extension in Hillsborough County. In the existing condition, both roads are two-lane with a rural typical section. In the proposed condition Park Road is to be widened/reconstructed to a four-lane divided rural typical section and Sam Allen Road is to be widened/reconstructed to a four-lane divided suburban typical section.

This Alternative Stormwater Management Facility Report identifies pond site alternatives (two per basin) and floodplain compensation (FPC) sites (one per impacted basin) and includes an alternative analysis for selection of a preferred alternative as part of the entire PD&E Study. This study analyzes pond site alternatives that are hydraulically feasible and environmentally permissible based on the best available information. These alternatives were then compared based on Section 4(f) involvement; cultural resources; environmental impacts including wetlands, upland habitat and protected species involvement; petroleum and hazardous materials contamination; and economic factors including right-of-way costs.

The project area has been sub-divided into four sub-basins (A through D) according to existing topography and existing cross drains located within the project limits. There are a total of 12 existing cross drains and they are tabulated in Table 6.

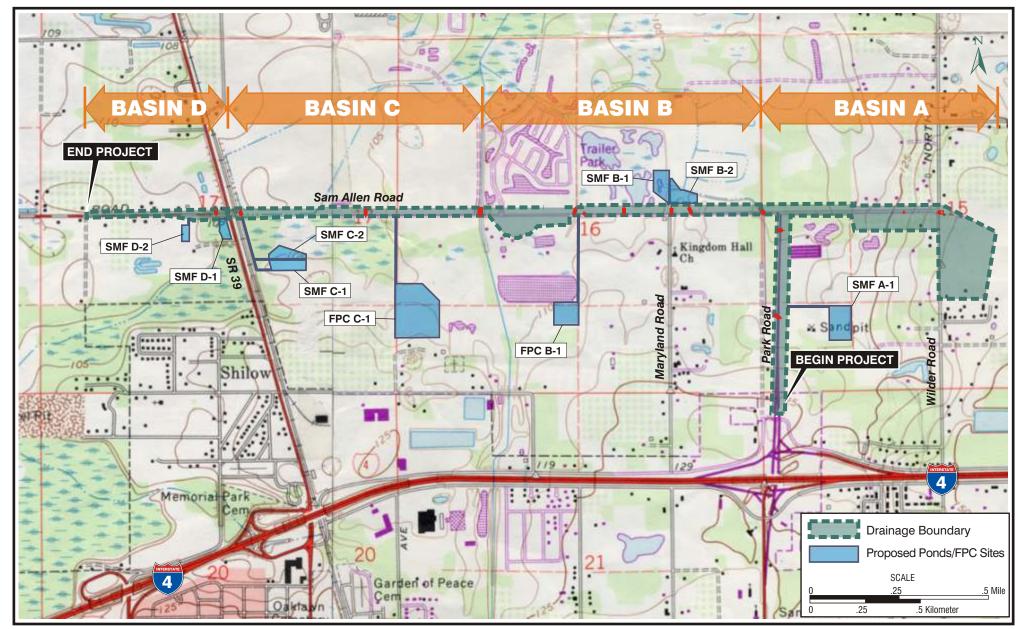
Of major concern in this study was the vast amount of current and near future development along the project corridor. Another challenge was the great extent of the 100 Year flood plain in the area (Refer to Figure 5).

Drainage Basin A totals 65.40 acres in size. Only one stormwater management facility (SMF) was evaluated because it was desired by District 7 to locate the SMF on FDOT property. There were no flood plain impacts to this basin. The total area for Basin B is 18.80 acres. Two SMF sites were evaluated and one flood plain compensation (FPC) site was located upstream of the basin. Basin C is 10.95 acres. Two SMF sites were evaluated and one FPC site was located upstream of the basin. Basin D is 3.02 acres. Two SMF sites were evaluated. There were no flood plain impacts in this basin. The SMF evaluations for each site are shown in Table 7 through Table 10.

The preferred SMF sites are listed in Table 1 below.

Table 1
Recommended Stormwater Management Facility Sites

		Recomme	nded SMFs	
	SMF-A-1	SMF-B-1	SMF-C-1	SMF-D-2
LOCATION (STATION)	190+00	192+00	137+00	122+00
SIDE (LT, RT)	RT	LT	RT	RT
SMF AREA (AC)	4.60	1.50	1.87	0.60
EST. GROUND ELEVATION (FT) @ THE SMF SITE	113.5	105.5	105	106.4
PROPOSED LOW EDGE OF PAVEMENT WITHIN BASIN	110	110	107.88	107
EST. SHW ELEVATION/CONTROL ELEVATION	108	105.5	105	104
TREATMENT SYSTEM	Wet	Wet	Wet	Wet
SOILS NAME	Myakka Fine Sand	Myakka Fine Sand	Myakka Fine Sand	Ona Fine Sand
HYDROLOGICAL SOIL GROUP	B/D	B/D	B/D	B/D
LAND USE	Borrow Pit	Forested	Open Land	Agriculture
RECORDED ARCHAEOLOGOCAL SITES	None	None	None	None
ARCHAEOLOGICAL POTENTIAL	None	None	None	None
RECORDED HISTORICAL STRUCTURES/RESOURCES	None	None	None	None
TENTATIVE HAZARD RANKING				
PROTECTED, ENDANGERED, & ENDANGERED SPECIES	None	None	None	None
WETLAND INVOLVEMENT	None	1 ac	<<< 0.10 ac	None
WETLAND MITIGATION COST	\$0	\$90,000	\$9,000	\$0
PROXIMITY TO OUTFALL (FT)	300	60	125	125
OUTFALL PIPE COST ESTIMATE	\$22,194	\$4,439	\$9,248	\$9,248
LINER COST ESTIMATE	\$585,463	N/A	N/A	\$50,326
STORMWATER FACILITY COSTS (APPENDIX #) (OTHER)	N/A	N/A	N/A	N/A
SMF EASEMENT REQUIRED (AC)	0.26	0.01	0.46	0.03
NUMBER OF PARCELS	1	1	1	1
PARTIAL (P) OR WHOLE TAKE (WT)	N/A	Р	Р	Р
ROW COST ESTIMATE (INCLUDES EASEMENTS)	\$0	\$563,100	\$465,100	\$108,900
DOCUMENT PAGE NO. FOR BASIN ALTERNATIVES	21	22	23	24
TOTAL ESTIMATED COSTS	\$607,657	\$657,539	\$483,348	\$168,474



SOURCE: Plant City East, Florida Quadrangle, 28082-A1-TF-024 photorevised 1987; and Plant City West, Florida Quadrangle, 28082-A2-TF-024 photoinspected 1983

#### PARK ROAD & SAM ALLEN ROAD PD&E FROM I-4 TO ALEXANDER STREET EXTENSION



Hillsborough County, Floirda

WPI Seg. No.: 257862-1 FAP No.: 0295-005

## **BASIN LOCATION MAP**

Figure 1

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## 1.0 GENERAL PROJECT INFORMATION

#### 1.1 Introduction

The Florida Department of Transportation (FDOT) is conducting a Project Development and Environment (PD&E) Study to document the preliminary engineering concept of the Sam Allen/Park Roads project corridor from Interstate 4 (I-4) to the Alexander Street Extension in Hillsborough County. The purposes of the PD&E Study are to develop engineering and environmental data and document information which will aid the FDOT and the Federal Highway Administration (FHWA) in determining the type, design, and location of the proposed improvements, and the impacts, if any, associated with the recommended alignment.

The FDOT is proposing improvements to Sam Allen Road/Park Road from I-4 to the Alexander Street Extension in Hillsborough County, Florida, a distance of approximately 2.5 miles. The proposed improvements consist of widening/reconstructing the existing two-lane rural roadway to a four-lane divided rural (Park Road) and suburban (Sam Allen Road) highway to accommodate present and future traffic demands.

As part of the PD&E Study, the Alternative Stormwater Management Facility Report identifies pond site alternatives and floodplain compensation (FPC) sites, and includes analysis for selection of a preferred stormwater management facility (SMF) site. This report analyzes pond site alternatives that are hydraulically feasible and environmentally permittable based on the best available information. These alternatives were then compared based on Section 4(f) involvement; cultural resources; environmental impacts including wetlands, upland habitat and protected species involvement; petroleum and hazardous materials contamination; and economic factors including right-of-way costs. An alternatives evaluation matrix that summarizes the comparative analysis was developed and is shown in Tables 7 through 10 of Section 4.0.

## 1.2 Site Location and Description

The project study area for this report includes two (2) separate roadways in Hillsborough County. The first leg of the project study area begins on Park Road at its interchange with I-4 and proceeds north to Sam Allen Road. The second leg begins on Sam Allen Road, at its intersection with Park Road (approximately half a mile north of the I-4/Park Road interchange), and continues east to the Alexander Street Extension, for an overall distance of approximately 2.5 miles. The basin location map is shown in Figure 1.

Sam Allen Road is an east-west arterial highway and Park Road is a north-south arterial highway. As existing, both roadways are two-lane rural undivided typical sections through the project area. The existing right-of-way on Park Road is 200 feet. East of SR 39 (Wheeler Road), the existing right-of-way on Sam Allen Road varies in width from 150 to 120 feet. West of SR 39, the existing right-of-way width on Sam Allen Road is 30 feet.

The existing roadway is typically a two-lane rural undivided facility with one 12-foot lane in each direction and 4-foot paved shoulders. The existing roadway typical sections for Sam Allen and Park Roads are shown in Figure 2.

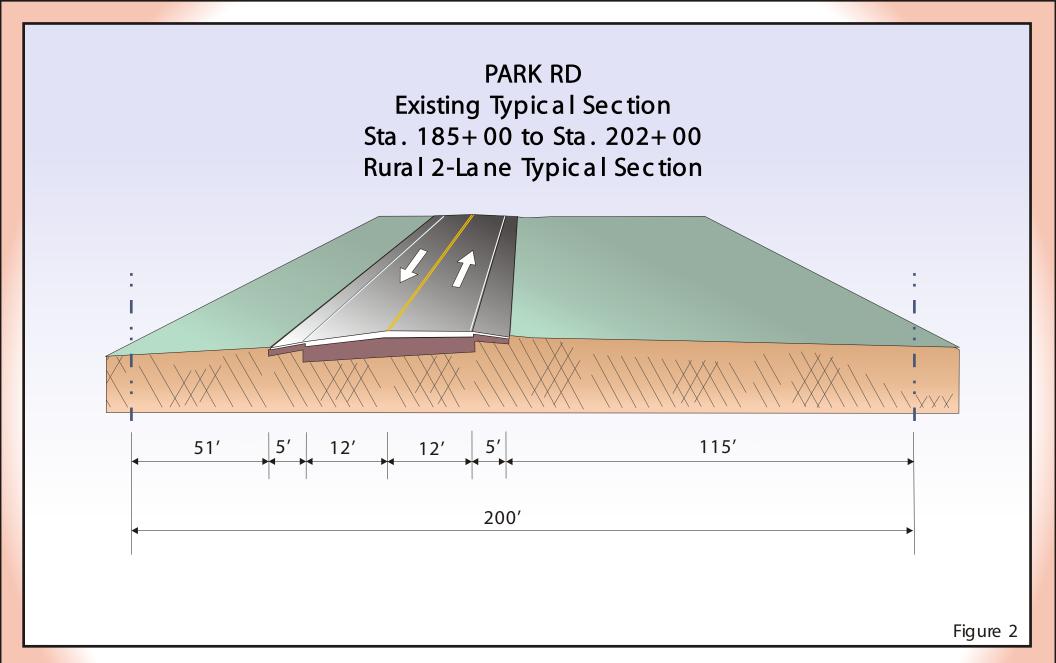
The improvement proposed for Park Road is a four-lane divided rural typical section. This typical section would contain a 46-foot wide depressed median, four 12-foot lanes (two in each direction), five-foot paved/unpaved shoulders, a 43-foot wide ditch section and a 5-foot sidewalk in both directions. The proposed typical will be accommodated within the existing right-of-way. The proposed four-lane typical section is shown in Figure 3.

The improvement proposed for Sam Allen Road is a four-lane divided suburban typical section. This typical section would contain a 26-foot wide raised median (with curb and gutter), four 12-foot lanes (two in each direction), five-foot paved shoulders, 3 foot unpaved shoulders, an eight foot wide ditch section and a 5-foot sidewalk in both directions. A majority of the proposed typical will be accommodated within the existing right-of-way. Additional right-of-way is to be acquired for an approximate length of 1000' on either side of SR 39. The proposed four-lane typical section is shown in Figure 3.

The topography of this part of Hillsborough County consists of broad low-lying plains on the flatwoods, interspersed with many broad sloughs, depressions, and drainageways. Hillsborough County is in the central or mid-peninsular physiographic zone of the Florida Peninsula. The area that contains the proposed improvements lies in the Central highlands.

The East Canal drains the project area. At its downstream end, the East Canal connects to Itchepackesassa Creek, which in turn discharges to Blackwater Creek which ultimately outfalls to the Hillsborough River.

Elevations throughout the project corridor range from approximately 110 feet National Geodetic Vertical Datum (NGVD) of 1929 at the eastern end of the project to approximately 105 feet at Sate Road 39, and 108 feet at the western end of the project.

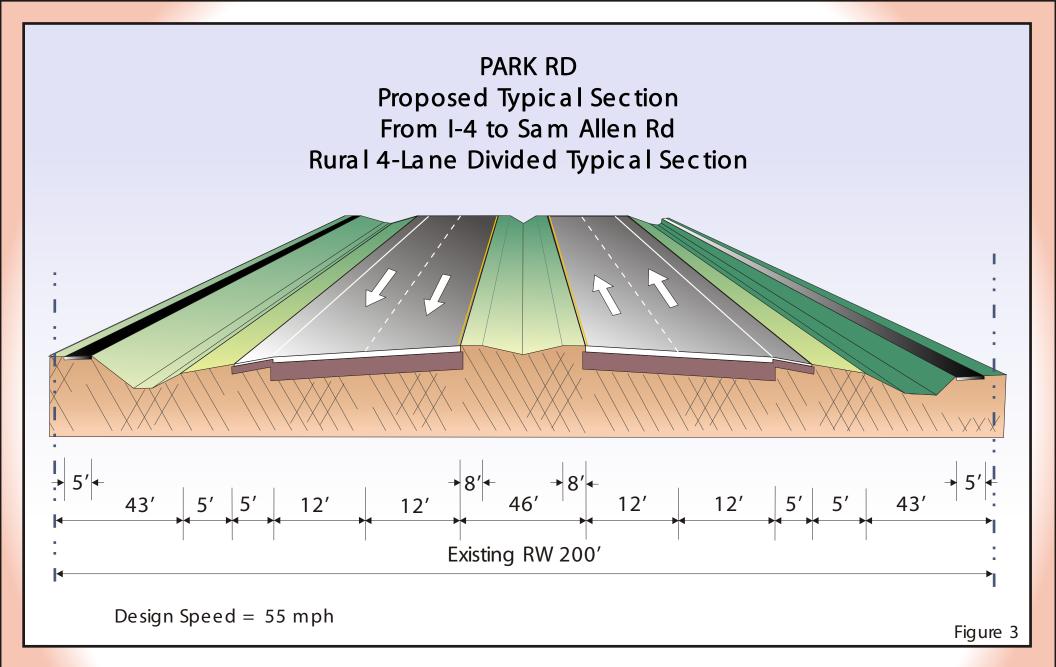




PARK RD / SAM ALLEN RD From I-4 to Alexander St Extension

WPI SEG 257862 1 FAP NO 0295-005



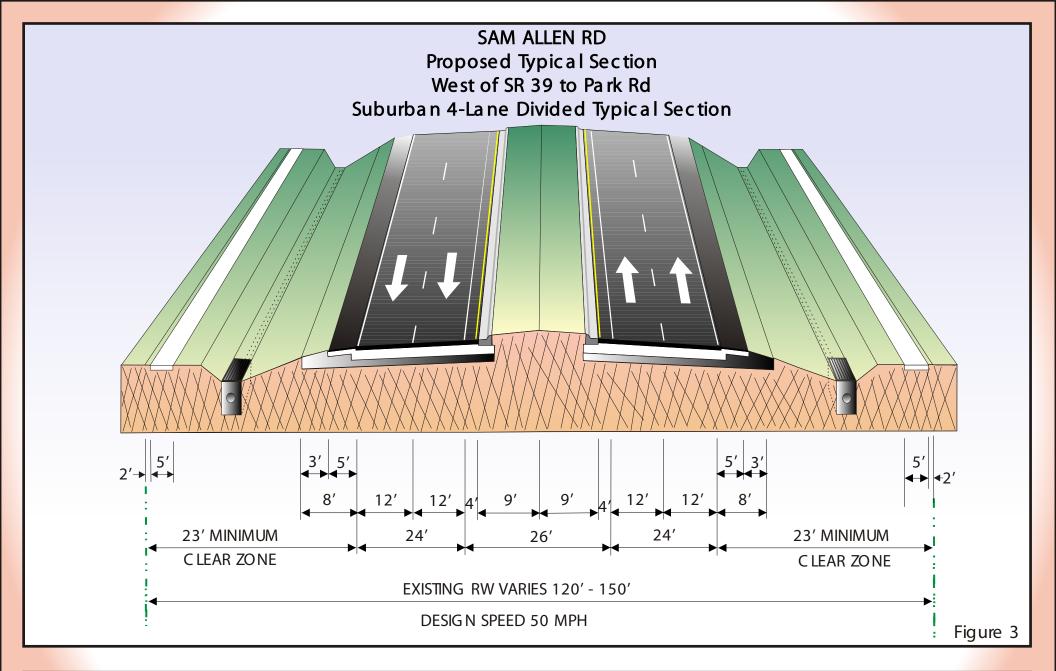




PARK RD / SAM ALLEN RD From I-4 to Alexander St Extension PD&E STUDY

WPI SEG 257862 1 FAP NO 0295-005







PARK RD / SAM ALLEN RD From I-4 to Alexander St Extension PD&E STUDY

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### 1.3 Soil Characteristics

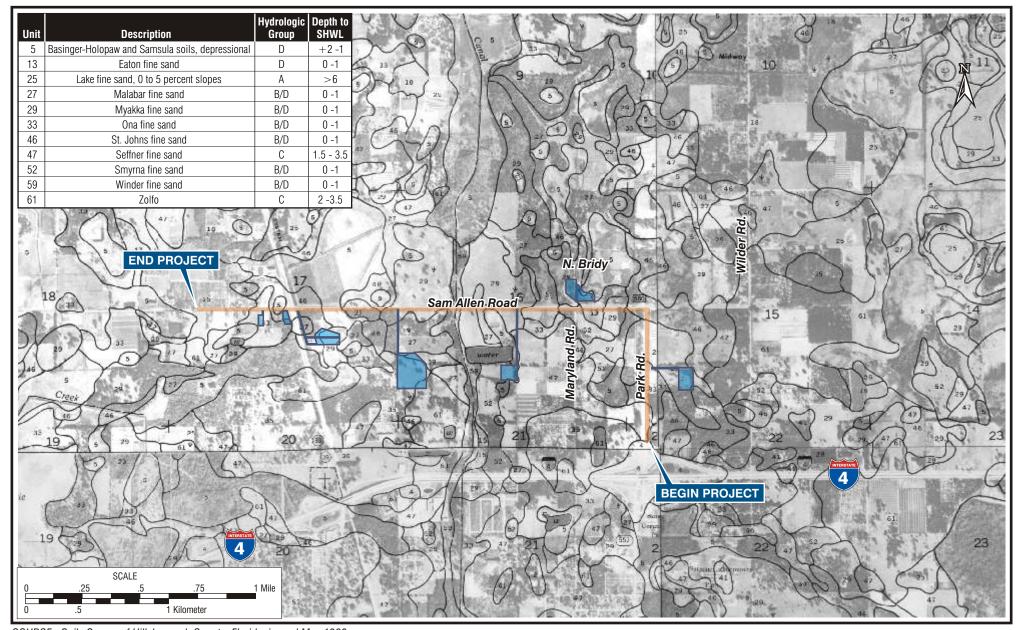
According to the Soil Survey of Hillsborough County, the project area lies within an area classified as Soils of the Flatwoods. The general soil map unit is Myakka-Basinger-Holopaw, which consists of nearly level, poorly drained soils that have a sandy subsoil, are sandy throughout, or have a loamy subsoil.

Soils found on the project are pre-dominantly hydrologic soil group B/D. Table 2 below lists the types of soils encountered within the project area.

Table 2
Hillsborough County Soil Survey Information

Unit	Description	Hydrologic Group	Depth to SHWL
5	Basinger-Holopaw and Samsula soils, depressional	D	+2 -1
13	Eaton fine sand	D	0 -1
25	Lake fine sand, 0 to 5 percent slopes	Α	>6
27	Malabar fine sand	B/D	0 -1
29	Myakka fine sand	B/D	0 -1
33	Ona fine sand	B/D	0 -1
46	St. Johns fine sand	B/D	0 -1
47	Seffner fine sand	С	1.5 - 3.5
52	Smyrna fine sand	B/D	0 -1
59	Winder fine sand	B/D	0 -1
61	Zolfo	С	2 -3.5

See Figure 4 for the Soils Map, showing project limits and SMF Alternatives and FPC Sites.



SOURCE: Soils Survey of Hillsborough County, Florida, issued May 1989

## PARK ROAD & SAM ALLEN ROAD PD&E FROM I-4 TO ALEXANDER STREET EXTENSION



Hillsborough County, Floirda

WPI Seg. No.: 257862-1 FAP No.: 0295-005 **SOILS MAP** 

Figure 4

#### 1.4 Flood Plain Information

The proposed improvements to Park Road lie within Zone C – Areas of minimal flooding (no shading), and do not impact the 100-year flood plain. Sam Allen Road, from Maryland Avenue east to Wilder Road also lies within Zone C. However, the 100-year flood plain inundates a majority of the remainder of Sam Allen Road, as described below.

Sam Allen Road, from Maryland Avenue and west 1500' lies within Zone B – Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)

Sam Allen Road, from 1500' west of Maryland Avenue east to SR 39 lies within A3 (Panel 0290 C) and AE (Panel 0270 D). Base flood elevations have been determined, ranging from 108 to 106 (flowing from south to north) within the project area. This flood plain is a part of East Canal, which is a tributary of Itchepackesassa Creek to the north.

Sam Allen Road, from SR 39 west 4000' lies mostly in Zone X, Areas determined to be outside 500-year floodplain. The remainder, approximately 1400', lays within Zone A, Areas of 100-year flood; base flood elevations not determined. See Figure 5 for FEMA map on the project.

In addition, Hillsborough County has developed a SWMM Model of the Hillsborough River watershed. Flood stages have been determined along East Canal, including points up and downstream of Sam Allen Road.

# 2.0 DRAINAGE REFERENCE AND RESOURCE INFORMATION

## 2.1 Meetings

## 2.1.1 Field Review/Discussion with FDOT and Hillsborough County Maintenance

A field review of the project was conducted on June 17, 2004 to ascertain general drainage patterns. A second field review was conducted on September 10<sup>th</sup>, five days after Hurricane Frances passed through Hillsborough County. There was no evidence of roadway flooding on that date. However, there was standing water in the roadside ditches on the north and south sides of Sam Allen Road in the vicinity of the Countrywood residential development. There was also localized flooding on private property south of Sam Allen Road and east of Maryland Road.

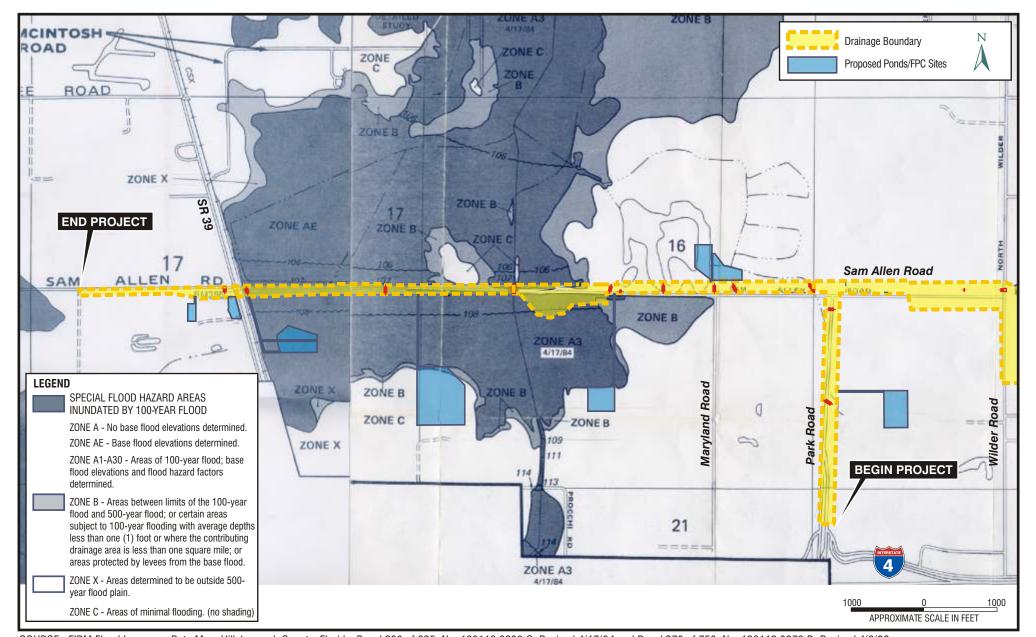
Over his 28-year career, Darrell O'Neal, Supervisor of the East Service Unit, Hillsborough County Maintenance, has no recollection of this part of Sam Allen Road or Park Road ever being inundated by floodwaters. He has, however, witnessed flooding of private property to the north and south of Sam Allen Road along East Canal.

According to Sue Moore of District Maintenance and Tom Gaffney of Tampa Maintenance, there is no record of roadway flooding along the project corridor.

This part of Sam Allen and Park Roads is outside the jurisdiction of the City of Plant City.

## 2.1.2 SWFWMD Pre-Application Meeting

Two (2) SWFWMD pre-application meetings have been held to date. The first was on May 12 and the second was on July 27 of 2004. Michelle Hopkins (Engineering) and Alberto Martinez (Environmental) representing the Water Management District were in attendance for both meetings. There may be some flooding problems in the area of Sam Allen Road and SR 39, related to the Ferris Waller property. Also, there is a history of flooding in the area of Sunset Oaks. Minutes are included in Appendix B.



SOURCE: FIRM Flood Insurance Rate Map, Hillsborough County, Florida, Panel 290 of 825, No. 120112 0290 C, Revised 4/17/84 and Panel 270 of 750, No. 120112 0270 D, Revised 4/3/92

#### PARK ROAD & SAM ALLEN ROAD PD&E FROM I-4 TO ALEXANDER STREET EXTENSION



Hillsborough County, Floirda

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## FEMA FLOOD INSURANCE RATE MAP

Figure 5

#### 2.2 Curve Numbers

The Curve Numbers on the project that were used to calculate pre- and post-development soil storage are shown below in Table 3.

Table 3
Curve Numbers

Land Use	CN for HSG (A)	CN for HSG (C)	CN for HSG (B/D)
Open Spaces (Good Condition)	39	74	80
Pavement	98	98	98

## 2.3 Rainfall Intensity Data

The project lies in Zone 6. Table 4 below shows the rainfall depths for typical rainfall events.

Table 4
Rainfall Depths

Rainfall Event	1 Hour (in)	2 Hour (in)	4 Hour (in)	8 Hour (in)	24 Hour (in)	3 Day (in)	7 Day (in)	10 Day (in)
2-Year	2.30	2.80	3.40	4.16	5.76	6.13	8.00	9.00
5 Year	2.70	3.50	4.40	5.28	7.44	8.25	10.00	12.00
10 Year	3.10	4.00	5.00	6.24	8.64	9.25	12.00	14.00
25 Year	3.60	4.60	5.80	7.20	10.56	13.00	15.00	17.00
50 Year	4.00	5.20	6.40	8.00	11.52	13.50	17.00	19.00
100 Year	4.40	6.00	7.20	10.00	12.96	15.00	18.00	20.00

## 2.4 Resources for Analysis

The process of defining and developing the information base included the following:

- FEMA Flood Insurance Rate Maps (FIRMs) for Hillsborough County
  - o Panel Number 120112 0270 D, August 3, 1992 and
  - o Panel Number 120112 0290 C, April 17, 1984

- United States Department of Agriculture, Soil Conservation Service (now Natural Resource Conservation Service), <u>Soil Survey of Hillsborough County</u>, Florida, May 1989
- United States Geological Survey (USGS) Quadrangle Maps, Scale 1:24,000:
  - o Plant City East (Photo revised 1987)
  - o Plant City West (Photo revised 1983) and
  - o Nichols (Photo revised 1987)
- Southwest Florida Water Management District (SWFWMD), Aerial Photography With Contours, Scale 1"=200', 1-foot contour interval, January 1978
- FDOT Drainage Manual, January 2003
- Drainage Handbook Stormwater Management Facility, January 2004

### 3.0 EXISTING DRAINAGE CHARACTERISTICS

## 3.1 Watershed Descriptions

The project area was sub-divided into four sub-basins as shown below in Table 5.

Table 5
Drainage Basin Boundaries

Regional Drainage Basin	Regional Sub- Basin Boundaries Basins		Draining to Cross Drain No.
	A	Park Road: From I-4 to Sam Allen Road	S-9
Central	^	Sam Allen Road: From Wilder Road to Sta. 206+78	3-9
Highlands	В	From Sta. 206+78 to Sta. 165+29	S-4
	C	From Sta. 165+29 to SR 39	S-2
	D	From SR 39 west to Sta. 115+81	S-1

The project area east of SR 39 is drained by the East Canal. At its downstream end, the East Canal connects to Itchepackesassa Creek, which in turn discharges to Blackwater Creek which ultimately outfalls to the Hillsborough River. The project area west of SR 39 is drained by Pemberton Creek. Pemberton Creek then outfalls to Baker Creek, which in turn outfalls to Thonotossassa Lake, ultimately outfalling to the Hillsborough River.

The project area was sub-divided into four sub-basins: A through D. Existing cross-drains and/or roadways bound the limits of the respective sub-basins. See Figure 1 for a map of the basin delineations.

Table 6 provides a list and description of existing cross drains on the project. Hydraulic equivalency for replacement or modification of the existing cross drains will be determined in subsequent design phases of this project. Reference Figure 6 for a map of existing cross drains and their respective drainage basins.

#### Basin A

This 65.40-acre basin includes Park Road, from I-4 north to Sam Allen Road, and Sam Allen Road, from Wilder west to existing cross drain S-9. Offsite runoff from east of Wilder Road is also included in the drainage basin. From a high point at I-4, runoff on Park Road includes ditch and sheet flow north to a low point on the road at existing cross drain S-12. In addition, there is another high point on Park Road where it intersects with Sam Allen Road. This part of Park Road also drains to existing cross drain S-12. On Sam Allen, there exists ditch flow, from a high point at its intersection with Wilder Road, west to existing cross-drain S-9. Note that S-9 is immediately downstream of S-12. S-9 ultimately discharges to the East Canal.

#### Basin B

This 18.80-acre basin includes Sam Allen Road, from existing cross drain S-9 west to existing cross drain S-4. Runoff on Sam Allen Road includes ditch and sheet flow west to a low point on the road at existing cross drain S-4. In the existing condition, S-4 accepts flow from a large area upstream that reaches all the way to Plant City. S-4 discharges directly to the East Canal.

#### Basin C

This 10.95-acre basin includes Sam Allen Road, from existing cross drain S-4 west to SR 39. Runoff on Sam Allen Road includes ditch and sheet flow west to a low point on the road at its intersection with SR 39. An existing cross drain, S-2, is located on Sam Allen Road just east of its intersection with SR 39. S-2 ultimately discharges to the East Canal.

#### Basin D

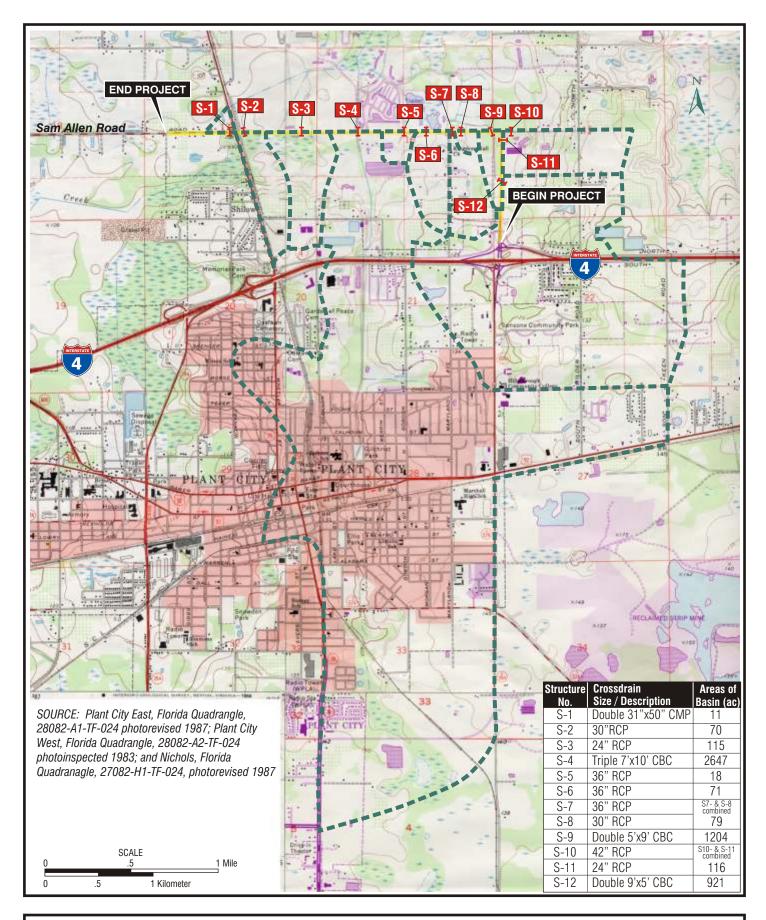
This 3.02-acre basin includes Sam Allen Road, from SR 39 to a high point located approximately 1200' west. Runoff on Sam Allen Road includes ditch flow from this high point east to a low point on the road at its intersection with SR 39. An existing cross drain, S-1, is located on Sam Allen Road just west of SR 39 empties out into a wet area south of Sam Allen Road. This wet area ultimately discharges to Pemberton Creek.

Table 6
Existing Cross Drains

		<u> </u>	1		<del></del>	<del> </del>	<del> </del>	
Str No.	Baseline	Approx. Sta. Location	Size / Description	Length (ft)	U/S	D/S	Flow Direction	Area of Basin (ac)
S-1	Sam Allen	126+45	Double 31"x50" CMP	61	102.89	102.85	N-S	11
S-2	Sam Allen	129+04	30" RCP	89	100.45	100.23	S-N	70
S-3	Sam Allen	148+45	24" RCP	90	101.36	100.95	S-N	115
S-4	Sam Allen	165+29	Triple 7'x10' CBC	85	99.91	99.73	S-N	2647
S-5	Sam Allen	179+22	36" RCP	90	103.18	102.98	S-N	18
S-6	Sam Allen	186+50	36" RCP	98	102.41	102.21	S-N	71
S-7	Sam Allen	193+47	36" RCP	90	104.15	104.00	S-N	79
S-8	Sam Allen	196+20	30" RCP	99	104.14	103.49	N-S	13
S-9	Sam Allen	206+27	Double 5'x9' CBC	107	102.50	102.30	S-N	1204
S-10	Sam Allen	211+45	42" RCP	90	104.50	102.30	S-N	116
S-11	Park	202+21	24" RCP	86	105.54	105.33	E-W	110
S-12	Park	189+60	Double 9'x5' CBC	107	104.33	104.19	E-W	921

#### Notes:

- Drainage areas for S-7 and S-8 are combined
- Drainage areas for S-10 and S-11 are combined



#### PARK ROAD & SAM ALLEN ROAD PD&E FROM I-4 TO ALEXANDER STREET EXTENSION



Hillsborough County, Floirda

WPI Seg. No.: 257862-1 FAP No.: 0295-005 **EXISTING CROSS-DRAINS** 

Figure 6

## 4.0 PROPOSED DRAINAGE DESIGN

## 4.1 Stormwater Management Design Approach

The project area was sub-divided into four sub-basins. The required treatment volume per basin was calculated as one inch over the entire area, as the project was conservatively assumed to be a full reconstruction. In addition, the required attenuation volume per basin was calculated using the National Resource Conservation Service (formerly the Soil Conservation Service) equation for runoff, as shown on page 51 of the FDOT Stormwater Management Facility Handbook (January 2004). The summation of these volumes is the total volume required per SMF. The calculations are included in Appendix D.

It should be noted that according to the pre-application meeting held with SWFWMD on July 27, 2004, it might be acceptable to treat only the Directly Connected Impervious Area within an individual basin, thereby reducing the required treatment volume and consequently reducing the overall pond size. In addition, providing compensatory treatment may also be a viable option. However, these approaches were not taken within this report for the purpose of providing a conservative pond design.

In general, two SMF site alternatives were required per basin, with the exception of Basin A. Also, one FPC Site was required for each basin where the proposed design impacted the 100-year flood plain.

Sizing of the FPC sites was calculated using the assumption that an average of one-foot depth of impact was made to the flood plain. That is to say, every acre of impact required an acre of FPC site.

## 4.2 Design Criteria

A review of the best available information listed in Section 2.4 of this report in addition to field reconnaissance was conducted to assess the potential pond and FPC site locations and sizes. The following parameters of each site were analyzed in the selection process:

- The "Available Area" for each alternative was obtained from the Hillsborough County Property Appraiser's Tax Maps.
- The "Existing Average Ground Elevation" was obtained from the SWFWMD Aerials (1"=200'), as shown in Appendix D.
- The maximum allowable stage in the pond for a 100-year storm event (DHW<sub>100</sub>) was estimated using the following procedure. DHW<sub>100</sub> = (elevation of the lowest edge of pavement of the basin draining to the respective pond)-(1 foot of freeboard). The estimated DHW was used in the "Volume Provided in Stormwater Facilities" table in Appendix C to estimate the pond sizes.
- The "Right-of-Way Cost Estimate" information is to be completed by the FDOT Rightof-Way Department.
- Conveyance

- Seasonal High Water Level (SHWL): Per the NRCS Soil Survey for Hillsborough County, the SHWL was conservatively assumed to be at the existing ground elevation.
- Water Quality Treatment Volume
- Attenuation Volume
- Tailwater and Outfall Conditions
- Flood Plain Encroachment Volume

#### 4.3 Evaluations and Recommendations

Based on the methodology and criteria stated in Section 4.2, the following alternative SMF sites were evaluated for each basin. SMF site alternatives are labeled as SMF-A-1, for example, where A is the Basin name and the 1 denotes the numbered alternative.

- 1) Basin A: SMF-A-1
- 2) Basin B: SMF-B-1 and SMF-B-2
- 3) Basin C: SMF-C-1 and SMF-C-2
- 4) Basin D: SMF-D-1 and SMF-D-2

Each alternative is summarized in the Alternative Matrix Analyses in Table 7 through Table 10. The locations of the alternative ponds are shown on Figure 1.

## 4.3.1 Basin A Stormwater Management Facility (SMF) Alternatives

#### SMF-A-1

There is only one SMF site alternative proposed for Basin A to take advantage of an existing property fronting Park Road that is presently owned by the FDOT. The property generally slopes from east to west (facing Park Road), and according to the Florida Land Use Codes, delineated by the FDOT, it consists mostly of open space and upland forests. S-12, an existing double 9'x5' concrete box culvert (CBC) is adjacent to the property. A portion of the runoff from Park Road will more than likely have to be piped underneath the existing CBC to discharge into the proposed SMF. There are no flood plain impacts within this basin. The proposed pond site was placed at the rear of the property at the request of the FDOT. Since the proposed pond is up gradient of the low edge of pavement and the SHWL was assumed to be at existing ground, an impermeable pond liner will be required. As such the SHWL was set at two feet below the existing edge of pavement elevation (Design High Water Elevation in the proposed SMF). There is an existing ditch on the property that will more than likely serve as the outfall for the proposed pond. The proposed pond area is 4.60 acres. The proposed easement area is 0.26 acres, for a total SMF area of 4.86 acres, located on one property. The estimated total right-of-way cost for SMF-A-1 is \$0.

Special consideration should be made during the design phase concerning the offsite runoff from west of Wilder Road, as this will ultimately affect the size of the proposed pond. For the purposes of this report, the offsite runoff is being accepted into SMF-A-1. This will ensure a larger, more conservative, pond size. At the same time, the flow path for a majority

of the offsite runoff and the runoff from Sam Allen Road, east of Park Road is being altered. This will require over attenuation with the pond, so that the resulting discharge does not exceed the hydraulic capacity of S-9. Another possible option would be to bypass the offsite runoff and pipe it directly to S-9. This would reduce the required treatment/attenuation volumes and reduce the size of the pond. In fact, all runoff east of Park Road could be bypassed, with compensatory treatment provided within SMF-A-1.

#### 4.3.2 Basin B Stormwater Management Facility (SMF) Alternatives

#### SMF-B-1

The property generally slopes from south (where it faces Sam Allen Road) to north, and according to the Florida Land Use Codes, delineated by the FDOT, it consists mostly of open space and upland forests. The SMF site is located across from Maryland Avenue and is downstream of S-7, an existing 36" reinforced concrete pipe (RCP). Though the pond site is not located at the lowest point in the basin, due to the prevalence of existing homes in the vicinity, the existing grade is relatively flat which should allow runoff to be piped from the western edge of the basin with little difficulty. The proposed storm sewer will have to pass four minor cross drains, S-5, through S-7, all 36" RCPs, and S-8, a 30" RCP. There is a relatively low amount of flood plain impacts within this basin. There is approximately 1 acre of wetland impacts on this site. This results in approximately \$90,000 in wetland mitigation costs, based on the current agreement between the FDOT and the Water Management Districts, otherwise known as the Senate Bill. It also appears to be upstream of an existing ditch on the property, providing easy access to a pond discharge point. The proposed pond area is 1.50 acres. The proposed easement area is 0.01 acres, for a total SMF area of 1.51 acres, located on one property. The estimated total right-of-way cost for SMF-B-1 is \$563,100. SMF-B-1 is the preferred pond because it has the lesser overall cost.

#### SMF-B-2

The property generally slopes from south (where it faces Sam Allen Road) to north, and according to the Florida Land Use Codes, delineated by the FDOT, it consists mostly of upland forests. The SMF site is located across from Maryland Avenue and is downstream of S-7, an existing 36" RCP. Though the pond site is not located at the lowest point in the basin, due to the prevalence of existing homes in the vicinity, the existing grade is relatively flat which should allow runoff to be piped from the western edge of the basin with little difficulty. The proposed storm sewer will have to pass four minor cross drains, S-5, through S-7, all 36" RCPs, and S-8, a 30" RCP. There is a relatively low amount of flood plain impacts within this basin. The proposed pond site is adjacent to an existing ditch on the property, providing easy access to a pond discharge point. There is less than a 0.10 of an acre of wetland impacts on this site. This results in approximately \$9,000 in wetland mitigation costs. The proposed pond area is 1.60 acres. The proposed easement area is 0.02 acres, for a total SMF area of 1.62 acres, located on one property. The estimated total right-of-way cost for SMF-B-2 is \$1,129,900.

#### 4.3.3 Basin C Stormwater Management Facility (SMF) Alternatives

SMF-C-1

The property generally slopes from south to north, and according to the Florida Land Use Codes, delineated by the FDOT; it consists mostly of open space and upland forests. The SMF site is located approximately 750' south of Sam Allen Road and just east of SR 39. The pond site is located at a relatively low point in the basin. The proposed storm sewer will have to pass two minor cross drains, S-2, a 30" RCP and S-3, a 24" RCP. There is a large amount of flood plain impacts within this basin. The proposed roadway, as well as the proposed pond site lies in the flood plain. There is much less than a 0.10 of an acre of wetland impacts on this site. This results in approximately \$9,000 (maximum) in wetland mitigation costs. However, its proximity to the wetland provides easy access for a pond discharge point. The proposed pond area is 1.87 acres. The proposed easement area is 0.46 acres, for a total SMF area of 2.33 acres, located on one property. The estimated total right-of-way cost for SMF-C-1 is \$465,100. SMF-C-1 is the preferred pond because it has the lesser overall cost.

#### SMF-C-2

The property generally slopes from south to north, and according to the Florida Land Use Codes, delineated by the FDOT; it consists mostly of open space and upland forests. The SMF site is located approximately 550' south of Sam Allen Road and just east of SR 39. The pond site is located at a relatively low point in the basin. The proposed storm sewer will have to pass two minor cross drains, S-2, a 30" RCP and S-3, a 24" RCP. There is a large amount of flood plain impacts within this basin. The proposed roadway, as well as the proposed pond site lies in the flood plain. The proposed pond site is adjacent to a wetland, providing easy access to a pond discharge point. There are no wetland impacts on this site. The proposed pond area is 1.86 acres. The proposed easement area is 0.39 acres, for a total SMF area of 2.25 acres, located on one property. The estimated total right-of-way cost for SMF-C-2 is \$870,200.

## 4.3.4 Basin D Stormwater Management Facility (SMF) Alternatives

#### SMF-D-1

The property generally slopes from north to south, and according to the Florida Land Use Codes, delineated by the FDOT, it consists mostly of open space. The SMF site is located at the southwest corner of the intersection of Sam Allen Road and SR 39. The pond site is located at a relatively low point in the basin. The proposed storm sewer will have to pass one minor cross drain, S-1, a double 31"x50" Elliptical Corrugated Metal Pipe (ECMP). There are no flood plain impacts within this basin. The proposed pond site is adjacent to a wetland, providing easy access to a pond discharge point. There are no wetland impacts on this site. The proposed pond area is 0.86 acres, located on one property. No drainage easement is required. Total SMF area is 0.86 acres. The estimated total right-of-way cost for SMF-D-1 is \$610,400.

#### SMF-D-2

The property generally slopes from north to south, and according to the Florida Land Use Codes, delineated by the FDOT, it consists mostly of farm land. The SMF site is located just south of Sam Allen Road and approximately 600' west of SR 39. The pond site is located at a relatively high point in the basin compared to the existing low edge of pavement elevation on Sam Allen Road within this basin. Therefore, an impermeable pond liner will be required.

Consequently, the SHWL was set two feet below the low edge of pavement elevation (Design High Water elevation). The proposed storm sewer will have to pass one minor cross drain, S-1, a double 31"x50" Elliptical Corrugated Metal Pipe (ECMP). There are no flood plain impacts within this basin. The proposed pond site is near a wetland, providing easy access to a pond discharge point. There are no wetland impacts on this site. The proposed pond area is 0.60 acres. The proposed easement area is 0.05 acres, for a total SMF area of 0.65 acres, located on one property. The estimated total right-of-way cost for SMF-D-2 is \$108,900. SMF-D-2 is the preferred pond because of its lower overall cost.

### 4.3.5 Flood Plain Compensation (FPC) Evaluations and Recommendations

In addition to the criteria and methodology stated in Section 4.2, additional requirements for viable floodplain compensation sites are that they should be located outside of and adjacent to the floodplain. The following alternative floodplain compensation sites were evaluated for each basin.

1) Basin A: None

2) Basin B: FPC-B-1

5) Basin C: FPC-C-1

6) Basin D: None

There is only one FPC site in Basin B, for the following reasons. First of all, available property outside and adjacent to the floodplain is limited. In addition, any location west of the proposed site would place the whole access easement in the floodplain, thereby increasing the amount of impact. A large commercial nursery borders the floodplain to the east. Also, all property north of Sam Allen and adjacent to the floodplain is currently developed for residential use.

There is only one FPC site in Basin C, for the following reasons. First of all, available property outside and adjacent to the floodplain is limited. This site is the only large undeveloped site. In addition, the proposed site, in its present location, results in the least amount of impact by the access easement. Also, any property north of Sam Allen and adjacent to the floodplain is currently developed for residential use.

Since the equal elevation base flood stages for the FEMA floodplain are more or less parallel to the road, it may be permissible to use one site for all impacts. This will be determined during the design phase.

The locations of the alternative FPC sites are shown on Figure 1

#### 4.3.6 FPC-B-1 Alternatives

The FPC site for Basin B is located approximately 1400' south of Sam Allen Road and approximately 1200' east of existing CBC S-4. The FPC site is adjacent to an existing borrow pit and to the approximate limit of the 100 year flood plain. It lies within three properties. The proposed FPC site area is 2.80 acres. The proposed easement area is 0.58 acres, for a total FPC area of 3.38 acres. The flood plain impact is all due to the

proposed roadway improvements and access to be provided to the FPC site. The estimated right-of-way cost for FPC-B-1 is \$438,600.

In the vicinity of the East Canal and just south of South Allen Road, the 100 Year Base Flood elevation is 108. Approximately 2000 feet south, the 100 Year Base Flood elevation rises to 109, a gradient of only 0.05%. The proposed site for FPC-B-1, located east of East Canal, adjacent to the floodplain, has an average existing ground elevation of 110.5 and a low elevation of 109. Therefore, although FPC-B-1 is located upstream of the impact, this should not have an adverse affect on the floodplain adjacent to Sam Allen Road given the slight gradient of the existing flood plain and a minor difference of 1 foot between the Base Flood elevation and the existing ground elevation at the FPC site.

#### 4.3.7 FPC-C-1 Alternatives

The FPC site for Basin C is located approximately 1400' south of Sam Allen Road and approximately 1000' west of existing CBC S-4. A portion of the FPC site is adjacent to an existing residential area and to the approximate limit of the 100-year flood plain. It lies within three properties. The proposed FPC site area is 11.19 acres. The proposed easement area is 0.46 acres, for a total FPC area of 11.65 acres. The flood plain impact is due to the proposed roadway improvements, the proposed pond sites in Basin C, access to the ponds and access to be provided to the FPC site itself. The estimated right-of-way cost for FPC-C-1 is \$854,600.

In the vicinity of the East Canal and just south of South Allen Road, the 100 Year Base Flood elevation is 108. Approximately 2000 feet south, the 100 Year Base Flood elevation rises to 109, a gradient of only 0.05%. The proposed site for FPC C-1, located west of East Canal, adjacent to the floodplain, has an average existing ground elevation of 111 and a low elevation of 108. Therefore, although FPC C-1 is located upstream of the impact, this should not have an adverse affect on the floodplain adjacent to Sam Allen Road given the slight gradient of the existing flood plain.

## Table 7 Basin A SMF Alternatives

Basin Condition: One SMF is required	Basin Altern	A SMF atives
	SMF-A-1	
LOCATION (Station)	190+00	N/A
SIDE (LT, RT)	RT	N/A
SMF AREA (ac)	4.60	N/A
EST. GROUND ELEVATION (ft) @ THE SMF SITE	113.5	N/A
PROPOSED LOW EDGE OF PAVEMENT WITHIN BASIN	110	N/A
EST. SHW ELEVATION/CONTROL ELEVATION	107	N/A
TREATMENT SYSTEM	Wet	N/A
SOILS NAME	Myakka Fine Sand	N/A
HYDROLOGICAL SOIL GROUP	B/D	N/A
LAND USE	Borrow Pit	N/A
RECORDED ARCHAEOLOGOCAL SITES	None	N/A
ARCHAEOLOGICAL POTENTIAL	None	N/A
RECORDED HISTORICAL STRUCTURES/RESOURCES	None	N/A
TENTATIVE HAZARD RANKING		N/A
PROTECTED, ENDANGERED, & ENDANGERED SPECIES	None	N/A
WETLAND INVOLVEMENT	None	N/A
WETLAND MITIGATION COST	\$0	N/A
PROXIMITY TO OUTFALL (ft)	300	N/A
OUTFALL PIPE COST ESTIMATE	\$22,194	N/A
LINER COST ESTIMATE	\$585,463	N/A
STORMWATER FACILITY COSTS (APPENDIX #) (OTHER)	N/A	N/A
SMF EASEMENT REQUIRED (AC)	0.26	N/A
NUMBER OF PARCELS	1	N/A
PARTIAL (P) OR WHOLE TAKE (WT)	N/A	N/A
ROW COST ESTIMATE (INCLUDES EASEMENTS)	\$0	N/A
TOTAL ESTIMATED COSTS	\$607,657	N/A

## Table 8 Basin B SMF Alternatives

Basin Condition: One SMF is required	Basin Altern	B SMF atives
·	SMF-B-1	SMF-B-2
LOCATION (Station)	192+00	195+00
SIDE (LT, RT)	LT	LT
SMF AREA (ac)	1.50	1.60
EST. GROUND ELEVATION (ft) @ THE SMF SITE	105.5	106
PROPOSED LOW EDGE OF PAVEMENT WITHIN BASIN	110	110
EST. SHW ELEVATION/CONTROL ELEVATION	105.5	106
TREATMENT SYSTEM	Wet	Wet
SOILS NAME	Myakka Fine Sand	Eaton Fine Sand
HYDROLOGICAL SOIL GROUP	B/D	D
LAND USE	Forested	Forested
RECORDED ARCHAEOLOGOCAL SITES	None	None
ARCHAEOLOGICAL POTENTIAL	None	None
RECORDED HISTORICAL STRUCTURES/RESOURCES	None	None
TENTATIVE HAZARD RANKING		
PROTECTED, ENDANGERED, & ENDANGERED SPECIES	None	None
WETLAND INVOLVEMENT	1 ac	< 0.10 ac
WETLAND MITIGATION COST	\$90,000	\$9,000
PROXIMITY TO OUTFALL (ft)	60	35
OUTFALL PIPE COST ESTIMATE	\$4,439	\$2,589
LINER COST ESTIMATE	N/A	N/A
STORMWATER FACILITY COSTS (APPENDIX #) (OTHER)	N/A	N/A
SMF EASEMENT REQUIRED (AC)	0.01	0.02
NUMBER OF PARCELS	1	1
PARTIAL (P) OR WHOLE TAKE (WT)	Р	Р
RECOMMENDED POND LOCATION IN THE PD&E PSR	Y	N
ROW COST ESTIMATE (INCLUDES EASEMENTS)	\$563,100	\$1,129,900
TOTAL ESTIMATED COSTS	\$657,539	\$1,141,489

Table 9
Basin C SMF Alternatives

Basin Condition: One SMF is required	Basin C SMF	Alternatives
Dasin condition one clin is required	SMF-C-1	SMF-C-2
LOCATION (Station)	137+00	137+00
SIDE (LT, RT)	RT	RT
SMF AREA (ac)	1.87	1.87
EST. GROUND ELEVATION (ft) @ THE SMF SITE	105	105
PROPOSED LOW EDGE OF PAVEMENT WITHIN BASIN	107.88	107.88
EST. SHW ELEVATION/CONTROL ELEVATION	105	105
TREATMENT SYSTEM	Wet	Wet
SOILS NAME	Myakka Fine Sand	Myakka Fine Sand
HYDROLOGICAL SOIL GROUP	B/D	B/D
LAND USE	Open Land	Open Land
RECORDED ARCHAEOLOGOCAL SITES	None	None
ARCHAEOLOGICAL POTENTIAL	None	None
RECORDED HISTORICAL STRUCTURES/RESOURCES	None	None
TENTATIVE HAZARD RANKING		
PROTECTED, ENDANGERED, & ENDANGERED SPECIES	None	None
WETLAND INVOLVEMENT	<<< 0.10 ac	None
WETLAND MITIGATION COST	\$9,000	\$0
PROXIMITY TO OUTFALL (ft)	125	35
OUTFALL PIPE COST ESTIMATE	\$9,248	\$2,589
LINER COST ESTIMATE	N/A	N/A
STORMWATER FACILITY COSTS (APPENDIX #) (OTHER)	N/A	N/A
SMF EASEMENT REQUIRED (AC)	0.46	0.39
NUMBER OF PARCELS	1	1
PARTIAL (P) OR WHOLE TAKE (WT)	Р	Р
RECOMMENDED POND LOCATION IN THE PD&E PSR	Y	N
ROW COST ESTIMATE (INCLUDES EASEMENTS)	\$465,100	\$870,200
TOTAL ESTIMATED COSTS	\$483,348	\$872,789

Table 10
Basin D SMF Alternatives

Basin Condition: One SMF is required	Basin Altern	D SMF atives
	SMF-D-1	SMF-D-2
LOCATION (Station)	127+50	122+00
SIDE (LT, RT)	RT	RT
SMF AREA (ac)	0.86	0.60
EST. GROUND ELEVATION (ft) @ THE SMF SITE	104.5	106.4
PROPOSED LOW EDGE OF PAVEMENT WITHIN BASIN	107	107
EST. SHW ELEVATION/CONTROL ELEVATION	104.5	104
TREATMENT SYSTEM	Wet	Wet
SOILS NAME	St. Johns Fine Sand	Ona Fine Sand
HYDROLOGICAL SOIL GROUP	B/D	B/D
LAND USE	Open Land	Agriculture
RECORDED ARCHAEOLOGOCAL SITES	None	None
ARCHAEOLOGICAL POTENTIAL	None	None
RECORDED HISTORICAL STRUCTURES/RESOURCES	None	None
TENTATIVE HAZARD RANKING		
PROTECTED, ENDANGERED, & ENDANGERED SPECIES	None	None
WETLAND INVOLVEMENT	None	None
WETLAND MITIGATION COST	\$0	\$0
PROXIMITY TO OUTFALL (ft)	65	125
OUTFALL PIPE COST ESTIMATE	\$4,809	\$9,248
LINER COST ESTIMATE	N/A	\$50,326
STORMWATER FACILITY COSTS (APPENDIX #) (OTHER)	N/A	N/A
SMF EASEMENT REQUIRED (AC)	N/A	0.05
NUMBER OF PARCELS	1	1
PARTIAL (P) OR WHOLE TAKE (WT)	Р	Р
RECOMMENDED POND LOCATION IN THE PD&E PSR	N	Y
ROW COST ESTIMATE (INCLUDES EASEMENTS)	\$610,400	\$108,900
TOTAL ESTIMATED COSTS	\$615,209	\$168,474

Appendix A Project Correspondence and Documentation

#### Blanco, Mitch

From:

scott.farash@dot.state.fl.us

Sent: To: Friday, October 01, 2004 9:39 AM Blanco, Mitch; Romero, John

Cc:

todd.mecklenborg@dot.state.fl.us

Subject:

Park Rd/Sam Allen Rd Road PD&E Study - WPI Seg. No. 257862-1 Fw: Wetlands &

Wildlife Assessment for Ponds



2578621.pondsites.

Here is a summary of the Wetlands assessment for the potential pond sites. Todd Mecklenborg can help you if you need more information. He is currently revising the wetlands boundaries based on his recent field review.

Scott

---- Forwarded by Scott Farash/D7/FDOT on 10/01/2004 09:34 AM ----

Todd

Mecklenborg/D7/FD

TO

To

10/01/2004 08:54

AM

Scott Farash/D7/FDOT@FDOT

CC

Subject

Re: Wetlands & Wildlife Assessment for

Park Rd/Sam Allen Rd Road PD&E Study - WPI Seg. No. 257862-1 (Document link: Scott Farash)

(See attached file: 2578621.pondsites.doc)

Todd Mecklenborg
District Seven Environmental Management Office
todd.mecklenborg@dot.state.fl.us
(813) 975-6457 / 1-800-226-7220 / SC 512-7814

## **MEMORANDUM**

## Florida Department of Transportation District Seven Environmental Management Office - MS 7-500

DATE:

September 28, 2004

TO:

Scott Farash

FROM:

Todd Mecklenborg

COPIES:

File

SUBJECT:

WPI Seg. No. 257862 1, Sam Allen/Park Road Pond Siting

The proposed Stormwater Management Facilities and Floodplain Compensatory sites were reviewed for listed species and wetland involvement. No listed species were observed or are known to occur in these locations. However, SMF-B-1 and SMF-C-1 have wetlands within the proposed boundaries. The corridor wetland mapping layer has been refined for the area around SMF-B-1 that depicts the wetland impact extent. SMF-C-1 has small inclusions of Myakka Fine Sand that support hydrophytic vegetation (Ludwigia peruviana).

#### Meeting Minutes

Parsons Brinckerhoff 5405 West Cypress Street, Suite 300

Tampa, FL 33607 813-289-5300 Fax: 813-289-4405

Project:

Park and Sam Allen Road

Subject:

Pond Siting - Preliminary Pond Locations

Location:

FDOT Planning Conference Room

By:

John F. Romero

**Date of Meeting:** 

July 1, 2004

#### Attendees:

Scott Farash, FDOT

Jaime Oakely, FDOT

Mitch Blanco, PBQD

Megan Arasteh, FDOT

Bill McTeer, FDOT

Frank Ghadami, FDOT John Romero, PBQD

#### Summary:

FDOT proposes to reconstruct Park Road from I-4 to Sam Allen Road and Sam Allen Road from Park Road to just west of SR 39. Currently, Park Road is funded for design. However, Sam Allen Road is not. They are County/City roads but the FDOT will do the design. City/County will provide 12.5% of the funds required for pond sites. The potential ponds are to be designed to meet FDOT criteria. Also, FDOT-7 would prefer not to enter into any joint use ponds with developers along the project. Pond liners may be required (as a last resort), to provide hydraulically feasible pond sites. A variance will be required for the proposed roadway border width. The proposed grade line is to closely match existing. There are five basins for the project. Basins A and B primarily cover Park Road from south to north. Basins C, D, E and F cover Sam Allen road from east to west. The improvements on Park Road will occur totally within the existing right-of-way. Additional right-of-way will be acquired south of Sam Allen Road, within Basins E & F.

Basins A and B are separated by a double concrete box culvert (CBC) underneath Park Road. Drainage is from east to west through the cross drain. Both Park and Sam Allen Roads are to be widened in the future. Therefore, it was decided to provide all treatment within ponds. It may be possible to provide the required treatment and attenuation for Basin A within the pond site in Basin B depending on if a connection can be made crossing the existing CBC.

Pond requirements for Basin B can be provided by property owned by FDOT on the east side of Park Road. PB was told to make maximum use of this parcel by locating the pond to the back of the parcel in the available upland area. The intent is to provide the FDOT an economically viable frontage parcel on Park Road on the remainder. Currently, Sam Allen Road east of Park Road, and a portion of Wilder drain to Park Road. The pond sized for Basin B (5.04 acres) would also provide capacity for these roadways. PB was directed to limit pond site alternatives to the FDOT parcel only for Basin B.

Potential pond sites in Basin C are extremely limited. Wetlands exist to the north and a large nursery to the south. The only available parcel is at a higher elevation than the roadway. There may be some opportunity to use the isolated wetlands within the basin area for stormwater treatment. Compensatory treatment will be investigated as an option for this basin. The project will seek to obtain credit for treatment of Sam Allen east of Park Road and Wilder in exchange for not treating the new impervious area being added to Sam Allen as part of the proposed improvements within Basin C. If an agreement cannot be reached, piping stormwater under the cross drain just east of Park Road and ultimately to the pond for Basin B will be investigated. Survey data of the roadway centerline and cross drain invert elevations need to be obtained to determine the feasibility and costs associated with piping stormwater from Basin C to the Basin B pond. A meeting with SWFWMD will be set up to discuss drainage opportunities and issues for the project, including compensatory treatment.

Within Basin D, a pond site located along the north side of an existing borrow pit will be investigated. A secondary pond site that will result in the relocation of a residence will also be considered. Both locations will involve flood plain impacts.

Within Basin E, which is located just east of SR 39, an upland area in the southeast corner of the SR 39/Sam Allen Road will be evaluated for two potential pond sites. Again, both sites will involve flood plain impacts.

For Basin F, which is situated west of SR 39, a parcel in the southeast corner of the SR 39/Sam Allen Road intersection will be evaluated. A secondary site, west of a wetland area on the south side of Sam Allen Road, will also be considered.

The 100-year flood elevation needs to be determined from FEMA maps and or special studies. It was Ms. Arasteh's view that the Southwest Florida Water Management District (SWFWMD) would consider the entire project area on Sam Allen Road, from SR 39 to approximately 1200' west of Maryland Road, a flood plain impact.

Potential floodplain compensation sites should be sited to ensure that the areas have access (20' minimum width) from existing roads.

#### **Action Items:**

PB is to set up a meeting with SWFWMD.

PB is to research existing permits within the project area.

Scott Farash is to obtain survey data.

The meeting minutes contained herein represent the author's understanding of the discussions that occurred during the referenced meeting. Any attendee who does not entirely agree with the summary or can offer additional information that should be noted within these minutes, please call John Romero at (813) 207-2938.

cc: Attendees PB File:



#### Park Road and Sam Allen Road PD&E Study

From I-4 to Alexander St Extension / Hillsborough County, Florida

WPI Seg. No: 257862 1

FAP No: 0295-005

March 2004

#### **Contact**

Scott Farash, P.E., Project Manager at (813) 975-6456 or Marian Pscion, District Public Information Office at (800) 226-7220.

#### **Project Description**

The proposed study limits for Park Road and Sam Allen Road are as follows:

Park Road from Sam Allen Road to just north of I-4 Sam Allen Road from just west of SR 39 to Park Road

The total length of the project is approximately 4.8 miles.

#### **Existing Facility**

The existing roadways consist of two lane undivided, rural roadway. The segments are located in Plant City and Hillsborough County, connecting traffic from I-4 to SR 39. Land use is mixed with vacant parcels along with agricultural and residential uses.

#### **Proposed Improvements**

The project has been identified in the Hillsborough Metropolitan Planning Organizations 2025 Long Range Transportation Plan as a four-lane, divided road. The PD&E Study will consider various alternatives as well as the 'no build' alternative.

#### **Schedule**

The study is anticipated to be completed in the Spring of 2005. Currently, alternatives are being developed.

#### Five Year Tentative Work Program

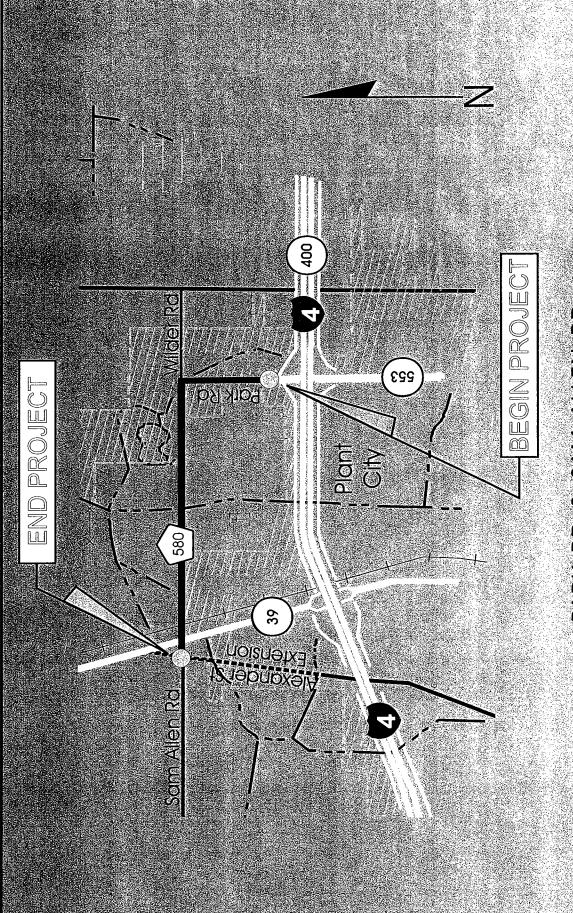
Fiscal Year 2004/2005 - 2008/2009

(For Park Road Only)

Design: 2005

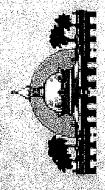
Right Of Way Acquisition: N/A

Construction: 2009









Cark Can Allen PAE Stray, Cons Gize estimate

Total Pond Area (Ac)			3.86	
Total Basin Length			8333 F	
	Area (Ac)		1.58	
Pond 3	Basin Length	1	3/49 1	
	Limits	Triple Concrete Box Culverts to Alexander St.	Exteristion	
	Basin Length Area (Ac)	7	_]	
Pond 2	Basin Length	2200 57	7677	
LL.	Limits	North of Maryland Rd. to Triple Concrete Box Culvert	Twin Concrete	Box Culvert to Sam Allen
	Area (Ac)	2		
Pond 1	Basin Length	2202 ET	1 7077	
ď	Limits	Park Road to North of Maryland Rd.		L-4 to Twin Concrete Box Culvert
H N		257862-1		
Project Limits:		Sam Allen Road from Alexander Street Extension to Park Road		Park Road from Sam

Ull 257862 1/PSPC Survey Table is

## Appendix B SWFWMD Coordination

THIS SPACE IS FORMATTED TO FACILITATE AND GUIDE THE DIALOGUE DURING A PRE-APPLICATION MEETING AND PROVIDE NOTE TAKIN A SUPPLEMENTAL "PROMPT LIST" OF DISCUSSION ITEMS IS ATTACHED, WHICH SHOULD BE EXAMINED BY THE APPLICANT PARTIES PRO MEETING TO IDENTIFY TOPICS FOR DISCUSSION.



#### Southwest Florida Water Management District

**Resource Regulation Division** 

#### **ERP Pre-Application Meeting NOTES**

FILE No. 28-22-15thru18

Date:

May 12, 2004

Time:

11 AM

**Project Name:** 

Park Road and Sam Allen Road

Attendees:

Michelle Hopkins Alberto Martinez Mitch Blanco JohnRomero

County:

Hillsborough

S/T/R:

15-18/28/22

Total Land acreage:

R/W

Project acreage:

87

Prior Onsite/Offsite Permit activity:

N/A

#### **Project Overview:**

Proposed roadway improvement project that involves widening Sam Allen and Park Road, from 39 to I-4 from two lanes to a four lane divided highway.

Site Information Discussion: (Site Topography, SHW Levels, Flood plain Elevations, Conveyance and Storage, Tailwater Conditions, Adjacent Offsite Contributing Sources, Receiving Waterbody, Karst Formations, Existing Wells, Contaminated Sites / Coordination w/ FDEP, etc.)

- They are in the PD&E phase and are investigating pond location options.
- There may be some flooding problems in the area of Sam Allen Road and 39, related to Ferris Waller property

Environmental Discussion: (Wetlands Onsite, Wetlands On Adjacent Properties, Site Visit, Delineation, Permanent/Temporary Impacts, SHWL, Wetland Hydrology, Drawdown Issues, Alternatives Analysis, Elimination/Reduction, Secondary and Cumulative Impacts, T&E species, Conservation Easements, Buffers, Mitigation Options, Mitigation Costs, OFW, Aquatic Preserve, etc.)

- The wetland limits need to be reviewed by the District.
- The wetland impacts have not been determined yet. If wetland and surface water impacts (excluding impacts upland cut ditches and less than 0.5 acre wetlands) exceed 1 acre, an ERP Individual permit will be required.

Sovereign Lands Discussion: (Title Determination, Delegated Authority, Correct Form of Authorization, Content of Application, Assessment of Fees, Coordination with FDEP, etc.)

N/A

Water Quantity Discussion: (Basin Description, Design Storm Event, Pre/Post Volume, Pre/Post Discharge, Local Requirements, Other)

- Open basin discharges will require attenuation of the peak rate of discharge for a 25 year, 24 hour storm.
- Demonstrate no net fill in a 100 year floodplain.

Water Quality Discussion: (Type of Stormwater Treatment, Technical Characteristics, Non-presumptive Alternatives, Construction Phase Water Management and Erosion Control, Contaminated Sites, Ground Water Protection, etc.)

 Water quality treatment is proposed through wet-detention. Specific design requirements can be addressed at future preap meetings.

Operation And Maintenance, Legal Information: (Ownership or Perpetual Control, Eminent Domain, Work on District Property, Inspections During Const., O&M Entity, System O&M Instructions, Homeowner Association Documents, Coastal Zone Requirements, Public Safety, etc.)

• All work will be in the existing R/W except for the proposed ponds, which will involve some R/W acquisition

Application Type And Fee Required: (40D-4.041Permits Required, 40D-1.607 Fee Schedule, etc.)

- Permit Type to be determined after more information is provided. However, if applicable wetland and surface impacts are less than 1 acre, this should be an ERP General, with a required fee of \$1600.
- Forms A,C and E
- If an Individual is required the fee is \$2500.

Other: (Future Pre-Application Meetings, Fast Track, Submittal Date, Construction Start Date, Required District Permits - WUP, WOD, Well Construction, etc.)

Schedule additional preaps as the design evolves.

Disclosure: The District ERP pre-application meeting process is a service made available to the public to assist interested parties in preparing for submittal of a complete permit application. Information shared at pre-application meetings is superseded by the actual permit application submittal. District permit decisions are based upon information submitted during the application process and Rules in effect at the time the application is complete.

THIS SPACE IS FORMATTED TO FACILITATE AND GUIDE THE DIALOGUE DURING A PRE-APPLICATION MEETING AND PROVIDE NOTE TAKIN A SUPPLEMENTAL "PROMPT LIST" OF DISCUSSION ITEMS IS ATTACHED, WHICH SHOULD BE EXAMINED BY THE APPLICANT PARTIES PROFESTING TO IDENTIFY TOPICS FOR DISCUSSION.



#### Southwest Florida Water Management District

**Resource Regulation Division** 

#### **ERP Pre-Application Meeting NOTES**

**FILE No.** 28-22-15thru18

Date:

July 27, 2004

Time:

11 AM

**Project Name:** 

Park Road and Sam Allen Road Improvements

Attendees:

Michelle Hopkins Alberto Martinez Megan Arasteh Mitch Blanco

County:

Hillsborough

John Romero

S/T/R:

15-18/28/22

Total Land acreage:

R/W

Project acreage:

Prior Onsite/Offsite Permit activity:

N/A

#### **Project Overview:**

Proposed roadway improvements that involve adding two new lanes to the two existing lanes. Park Road and Sam Allen Road will be widened from I-4 north and west to just past CR 39.

Site Information Discussion: (Site Topography, SHW Levels, Flood plain Elevations, Conveyance and Storage, Tailwater Conditions, Adjacent Offsite Contributing Sources, Receiving Waterbody, Karst Formations, Existing Wells, Contaminated Sites / Coordination w/ FDEP, etc.)

- The ultimate receiving water body is the Itchepackesassa Creek
- There are four major drainage basins
- Delineate the limits of the 100 year floodplain and show no net encroachment.
- Provide soil borings to support the elevation of the SHWT and excavation depth.
- These are County Roads, but will be funded by the DOT.

Environmental Discussion: (Wetlands Onsite, Wetlands On Adjacent Properties, Site Visit, Delineation, Permanent/Temporary Impacts, SHWL, Wetland Hydrology, Drawdown Issues, Alternatives Analysis, Elimination/Reduction, Secondary and Cumulative Impacts, T&E species, Conservation Easements, Buffers, Mitigation Options, Mitigation Costs, OFW, Aquatic Preserve, etc.)

- The wetland limits will need to be reviewed by the District. They will send a written request.
- The proposed wetland impacts will likely exceed 1 acre, which will require an Individual permit.
- Mitigation will be proposed through the FDOT Mitigation Plan...373.4137. They will verify mitigation through this process will apply even though these are County roads.

Sovereign Lands Discussion: (Title Determination, Delegated Authority, Correct Form of Authorization, Content of Application, Assessment of Fees, Coordination with FDEP, etc.)

N/A

Water Quantity Discussion: (Basin Description, Design Storm Event, Pre/Post Volume, Pre/Post Discharge, Local Requirements, Other)

- Demonstrate that the post-development peak discharge rate will not exceed the pre-development peak discharge rate for a 25 year, 24 hour storm. They will provide modeling to show no adverse impacts.
- Demonstrate no net fill in a 100 year floodplain. We have had a history of flooding problems in an areas target as a floodplain mitigation pond, near Sunset Oaks. They need to ensure that this project will not cause addition impacts. They will contact Jack Moore for additional information on this issue.

Water Quality Discussion: (Type of Stormwater Treatment, Technical Characteristics, Non-presumptive Alternatives, Construction Phase Water Management and Erosion Control, Contaminated Sites, Ground Water Protection, etc.)

- Water quality treatment will be provided. Since this is an alteration to an existing roadway, they should be ab to use Section 5.8 criteria in the Basis of Review. Treat the DCIA for online retention.
- They may also need to provide equivalent treatment to offset proposed impervious areas that they are not alle treat. Overall....they need to show a net benefit to water quality in each basin. They need to consider the existing treatment being provided in ditches in determining overall water quality benefit.

Operation And Maintenance, Legal Information: (Ownership or Perpetual Control, Eminent Domain, Work on District Property, Inspections During Const., O&M Entity, System O&M Instructions, Homeowner Association Documents, Coastal Zone Requirements, Public Safety, etc.)

Provide evidence of owenership/control.

Application Type And Fee Required: (40D-4.041Permits Required, 40D-1.607 Fee Schedule, etc.)

ERP Individual, \$2500 fee, Forms A, C and E

Other: (Future Pre-Application Meetings, Fast Track, Submittal Date, Construction Start Date, Required District Permits - WUP, WOD, Well Construction, etc.)

Schedule additional meetings as the design evolves.

**Disclosure:** The District ERP pre-application meeting process is a service made available to the public to assist interested parties in preparing for submittal of a complete permit application. Information shared at pre-application meetings is superseded by the actual permit application submittal. District permit decisions are based upon information submitted during the application process and Rules in effect at the time the application is complete.

# Appendix C Preliminary Pond Calculations



Project: Sam Allen/Park Rd, Reconst - Hillsborough

FPN:

Dsgn By: MMB Date: June 22, 2004

Chck By: \_ TFS

Date: July 1,2004

#### DRAINAGE BASIN AREA CALCULATIONS

Basin	Description	From Station	To Station	R/W Width	Basin Area (Ac.)	Cumulative Basin Area (Ac)
A	Park Road from I-4 North to Sam Allen Road	175+00	205+00	200	65.40	
	Sam Allen from S-9 to Wilder	206+78	232+92	VARIES	05.40	
В	From S-4 to S-9	165+30	206+78	150	18.80	98.17
С	From SR 39 to S-4	128+00	165+30	VARIES (120-145)	10.95	98.17
D	From high point on Sam Allen to Sta 65+60	102+47	118+58	30	3.02	
	From Sta 65+60 to Sta 75+00	118+58	128+00	VARIES (30-105)	3.02	

Note: Basin Areas taken from Microstation.

#### EXISTING IMPERVIOUS AREA CALCULATIONS

Basin	Description	From Station	To Station			Existing Typical Secti	on Description		Exist Imp Area (Ac)	Cumulative Exist Imp Area (ac)
	Park	175+00	205+00	5 ft shldr	1	lanes @ 12 ft ea	0 ft shldr	2 directions	2.34	
Α	Sam Allen	206+78	232+92	5 ft shldr	1	lanes @ 12 ft ea	0 ft shldr	2 directions	2.04	
ļ	Wilder	0+00	13+91	2 ft shldr	1	lanes @ 12 ft ea	0 ft shldr	2 directions	0.89	
В	Sam Allen	165+30	206+78	5 ft shldr	1	lanes @ 12 ft ea	0 ft shldr	2 directions	3.24	13.05
С	Sam Allen	128+00	165+30	5 ft shldr	1	lanes @ 12 ft ea	0 ft shldr	2 directions	2.91	
D	Sam Allen	102+47	118+58	0 ft shldr	1	lanes @ 12 ft ea	0 ft shldr	2 directions	0.89	
	Sam Allen	118+58	128+00	5 ft shidr	1	lanes @ 12 ft ea	0 ft shldr	2 directions	0.74	

#### PROPOSED IMPERVIOUS AREA CALCULATIONS

Basin	Description	From Station	To Station			Proposed Typical Section Description	Prop Imp Prop	llative Imp (ac)
	Park	175+00	205+00	5 ft s/w	0 ft curb	ft bike In 2 lanes @ 12 ft ea 0 ft curb 5 ft shldr 2 dire	tions 4.68	
	Sam Allen (S-9 to Park)	206+78	209+63	5 ft s/w	5 ft shldr	ft bike In 2 lanes @ 12 ft ea 2 ft curb 0 ft shldr 2 dire	tions 0.52	- 1
	Sam Allen (Park to Beg Taper)	209+63	218+00	5 ft s/w	5 ft shldr	ft bike ln 2 lanes @ 16 ft ea 2 ft curb 6 *turn ln 2 dire	tions 1.92	
A	Sam Allen (Beg to End Taper)	218+00	223 + 28	5 fts/w	5 ft shldr	ft bike in 2 lanes @ 19 ft ea 0 ft curb 0 ft shidr 2 dire	tions 1.16	
1	Sam Allen (Exist)	223+28	232+92	0 ft s/w	5 ft shldr	ft bike ln 1 lanes @ 12 ft ea 0 ft curb 0 ft shldr 2 dire	tions 0.75	Į.
1	Wilder	0+00	13+91	0 ft s/w	0 ft curb	ft bike In 1 lanes @ 12 ft ea 0 ft curb 2 ft shldr 2 dire	tions 0.89 26.0	.63
В	Sam Allen	165+30	206+78	5 ft s/w	5 ft shldr	ft bike ln 2 lanes @ 12 ft ea 2 ft curb 0 ft shldr 2 dire	tions 7.62	l
C	Sam Allen	128+00	165+30	5 ft s/w	5 ft shldr	ft bike In 2 lanes @ 12 ft ea 2 ft curb 0 ft shldr 2 dire	tions 6.85	H
	Sam Allen	102+47	118+58	0 ft s/w	0 ft shldr	ft bike ln 1 lanes @ 12 ft ea 0 ft curb 0 ft shldr 2 dire	tions 0.89	ŀ
D	Sam Allen	118+58	122+50	0 ft s/w	5 ft shldr	ft bike in 1 lanes @ 18 ft ea 2 ft curb 0 ft shidr 2 dire	tions 0.45	- 1
	Sam Allen	122+50	128+00	0 ft s/w	5 ft shldr	ft bike In 2 lanes @ 12 ft ea 2 ft curb 0 ft shidr 2 dire	tions 0.88	1



Project: Sam Allen/Park Reconst - Hillsborough

Dsgn by:

MMB Date:

6/22/04

FPN:

Check by:

TFS Date:

7/1/2004

#### PROJECT AREA CALCULATIONS

<b>-</b>	From To St		Sta. Length (ft)	Existing	Areas	Proposed	I Areas	Add'l	Project
Basin		To Sta.		Impervious Area (ac)	Pervious Area (ac)	Impervious Area (ac)		Imp Area (ac)	Area (ac)
	175+00	205+00	3000						
Α	206+78	232+92	2614	5.28	60.12	9.94	55.46	4.66	65.40
	0+00	13+91	1391						
В	165+30	206+78	4148	3.24	15.56	7.62	11.18	4.38	18.80
С	128+00	165+30	3730	2.91	8.04	6.85	4.10	3.94	10.95
D	102+47	118+58	1611	1.62	1.40	2.22	0.80	0.60	3.02
D	118+58	128+00	942	1.02	1.40	2.22	0.80		3.02
Totals	7 1 1 10 3 <del>5</del>		17436	13.05	85.12	26.63	71.54	13.58	98.17

#### **EXISTING SOIL CURVE NUMBER CALCULATIONS**

Areas by Hydrologic Group

Basin	(A) 39	(C) 74	(D or B/D) 80	(Pavement) 98	Weighted CN
Α	0.00	20.04	40.08	5.28	79.61
В	0.00	0.00	15.56	3.24	83.10
С	0.00	0.00	8.04	2.91	84.79
D	0.14	0.00	1.26	1.62	87.78

#### PROPOSED SOIL CURVE NUMBER CALCULATIONS

Areas by Hydrologic Group

Basin	(A)	(C)	(D or B/D)	(Pavement)	Weighted CN
	39	74	80	98	
A	0.00	18.49	36.97	9.94	81.04
В	0.00	0.00	11.18	7.62	87.29
С	0.00	0.00	4.10	6.85	91.26
D	0.08	0.00	0.72	2.22	92.16



Project: Sam Allen/Park Reconst.

Design By:

MMB

Date:

June 22, 2004

FPN:

Check By:

**TFS** 

Date:

July 1, 2004

#### REQUIRED POND VOLUME CALCULATIONS

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) Total
	Project							$V_{T1}$	V <sub>A</sub>	Volume
Basin #	Area (ac)	CN <sub>PRE</sub>	CN <sub>POST</sub>	S <sub>PRE</sub> (in)	S <sub>POST</sub> (in)	Q <sub>PRE</sub> (in)	Q <sub>РОЅТ</sub> (in)	Required (ac-ft)	Required (ac-ft)	Required (ac-ft)
A	65.40	79.61	81.04	2.56	2.34	10.32	10.52	5.45	1.09	6.54
В	18.80	83.10	87.29	2.03	1.46	10.81	11.36	1.57	0.86	2.43
С	10.95	84.79	91.26	1.79	0.96	11.03	11.88	0.91	0.78	1.69
D	3.02	87.78	92.16	1.39	0.85	11.43	11.99	0.25	0.14	0.39
Totals	98.17					43.59	45.75	8.18	2.87	11.05

- (1) Pond Number
- (2) Total Project Area
- (3) Weighted Pre Curve Number (See Existing Soil Curve Number Calculations)
- (4) Weighted Post Curve Number (See Proposed Soil Curve Number Calculations)
- (5) Pre Soil Storage,  $S_{PRE} = (1000 / CN_{PRE} 10)$
- (5) Post Soil Storage,  $S_{POST} = (1000 / CN_{POST} 10)$
- (7) Pre Runoff Depth,  $Q_{PRE} = (P 0.2S_{PRE})^2 / (P + 0.8S_{PRE})$ , where P = 100yr-24hr rainfall depth

12.96 inches

(8) Post Runoff Depth,  $Q_{POST}$  (P - 0.2 $S_{POST}$ )<sup>2</sup> / (P + 0.8 $S_{POST}$ ), where P = 100yr-24hr rainfall depth

12.96 inches

- (9) Required Treatment Volume 1, V<sub>T1</sub> = 1" x Total Project Area
- (10) Required Attenuation Volume,  $V_A = (Q_{POST} Q_{PRE}) x Project Area$
- (11) Total Volume Required,  $V_{T+A} = V_{T2} + V_A$



Sam Allen/Park Reconstruction - Hillsborough

Project: FPN:

MMB Check By: TFS Design By: \_

Date: Date:

June 22, 2004 July 1, 2004

# PROVIDED POND VOLUME CALCULATIONS

(a)	Comments	Set SHWL at 2' below DHW. Use Impermeable PVC Pond Liner.								Set SHWL at 2' below DHW. Use Impermeable PVC Pond Liner.
(16)	Total Volume Provided (ac-ft)	69.9		2.60	2.54	2.14	2.12		0.61	0.53
(15)	V <sub>A</sub> Provided (ac-ff)	1.72		1.58	1.35	1.04	1.03		0.22	0.15
(14)	V <sub>T</sub> Provided (ac-ft)	4.96		1.02	1.19	1.10	1.09	The second of th	0.40	0.38
(13)	Area at Control Str (ac)	3.41		0.72	0.85	1.14	1.13		0.42	0.28
(12)	Control Str El. (ft)	108.50		107.00	107.50	00'901	106.00		105.50	105.50
(11)	Area at Water Table (ac)	3.20		0.63	0.74	1.06	1.05		75.0	0.23
(10)	Area at DHW (ac)	3.49		98'0	96'0	1.21	1.21		0.45	0.31
6	Area at TOB (ac)	4.24		1.25	1.37	1.67	1.66		0.74	0.55
(8)	Area at Fence (ac)	4.52		1.45	1.55	1.82	1.81		0.82	0.57
<u>E</u>	Avg Grad El.	113.50	1	105.50	106.00	105.00	105.00		104.50	106.40
9)	Top of Berm El. (ft)	110.00		110.00	110.00	107.88	107.88		107.00	107.00
(5)	DHW El. (ff)	109.00		109.00	109.00	106.88	106.88		106.00	106.00
(7)	Established Water Table El. (ft)	107.00		105.50	106.00	105.00	105.00		104.50	104.00
	Esmt. Area (ac)	0.26		0.01	0.02	0.46	0.39		00.0	0.03
(3)	Pond Area (ac)	4.60		1.50	1.60	1.87	1.86		98.0	09.0
(z)	Treat. Type	Wet		Wet	Wet	Wet	Wet		Wet	Wet
(t)	Pond	SMF-A-1		SMF-B-1	SMF-B-2	SMF-C-1	SMF-C-2		SMF-D-I	SMF-D-2

Pond Site Alternative
 Treatment Type: Determined by the soil type and the depth of the water table obtained from the SCS / USDA Soils Survey for Hillsborough County
 Total Pond Site Area (Right of Way Area)
 Water Table Elevation: Determined from the SCS/ USDA Soils Survey for Hillsborough County -- assumed to be at existing ground (worst case scenario)
 Design Highwater Elevation (DHW): Lowest edge of pavement draining to pond - 1.0 foot of freeboard
 Top off Bern Elevation (TOB): DHW elevation + 1 foot of freeboard (assumed)
 Average Ground Elevation: Elevation is based on the SWFWMD 1.0 ft contour maps
 Area at the Fence: Area of the top of bern of the pond
 Area at the TOB: Area of the top of bern of the pond
 Area at DHW: Determined by assuming 1-ft distance between the bern and DHW elevation
 Area at DHW: Determined by assuming 1-ft distance between the bern and DHW elevation
 Area at DHW: Elevation: The area at the Water Table elevation.
 Control Structure Elevation: The area at the Vater Table elevation noted in column (12)

(14) V<sub>T</sub>: The treatment + retention volume provided between the water table and the control structure elevation (15) VA: The attenuation volume provided between the control structure elevations and the DHW elevation

(16) Total Volume Provided  $(V_T + V_A)$ : The total volume provided is determined by adding columns 14 and 15  $(V_T$  and  $V_A)$ .

#### **Outfall Pipe Cost Estimate**

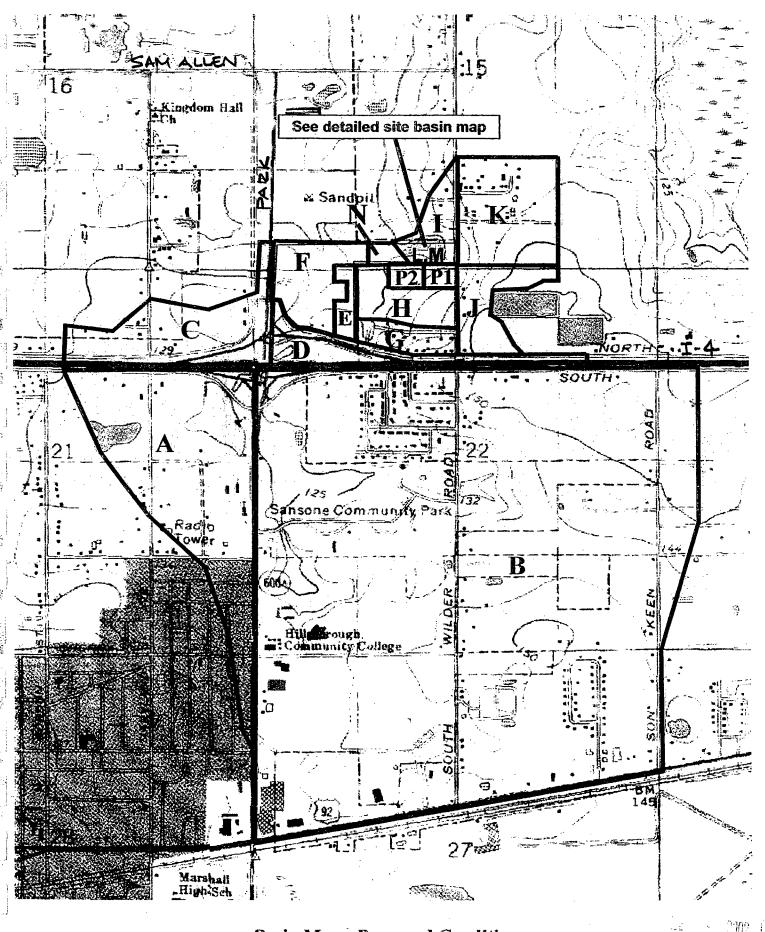
		FDOT Item		
SMF	Approximate	Average Unit	Cost Estimate	
Olvii	Length of Pipe	Cost assuming	Cost Estimate	
		36" RCP		
	. (ft)	(\$)	(\$)	
SMF-A-1	300	\$73.98	\$22,194	
SMF-B-1	60	\$73.98	\$4,439	
SMF-B-2	35	\$73.98	\$2,589	
SMF-C-1	125	\$73.98	\$9,248	
SMF-C-2	35	\$73.98	\$2,589	
SMF-D-1	65	\$73.98	\$4,809	
SMF-D-2	125	\$73.98	\$9,248	

#### Impermeable Liner Cost Estimate

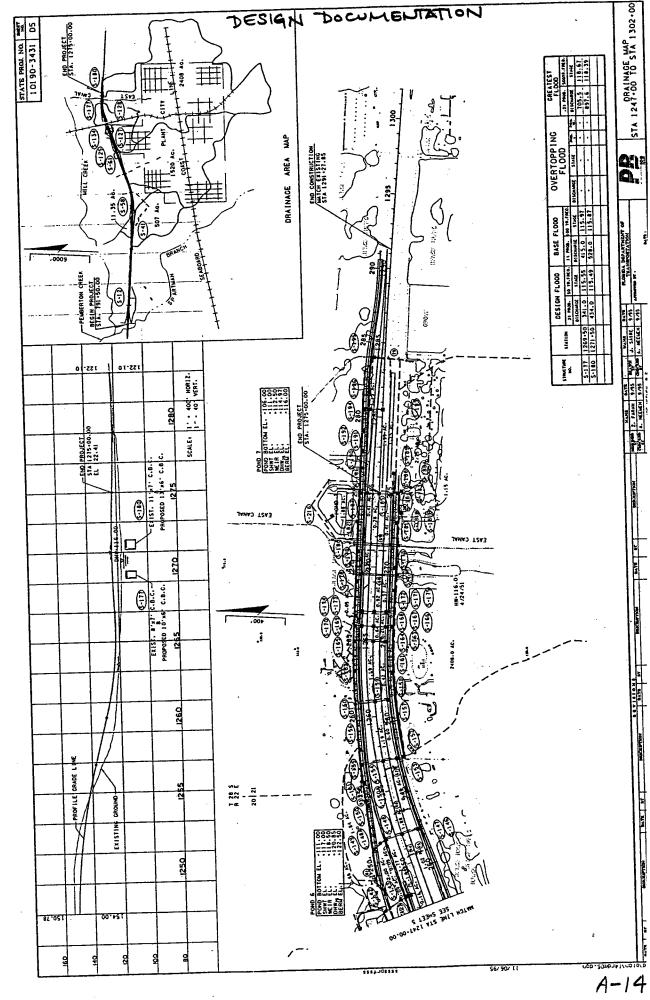
Basin	Area of Pond at DHW	Area of Pond at DHW	Area of Pond at DHW	FDOT Item Average Unit Cost Per SY	Cost Estimate
	(ac)	(ft)	(sy)	(\$)	(\$)
SMF-A-1	3.49	152024.4	16891.6	\$34.66	\$585,463
SMF-B-1	0	0	0	\$34.66	\$0
SMF-B-2	0	0	0	\$34.66	\$0
SMF-C-1	0	0	0	\$34.66	<b>\$</b> 0
SMF-C-2	0	0	0	\$34.66	\$0
SMF-D-1	0	0	0	\$34.66	\$0
SMF-D-2	0.3	13068	1452	\$34.66	\$50,326

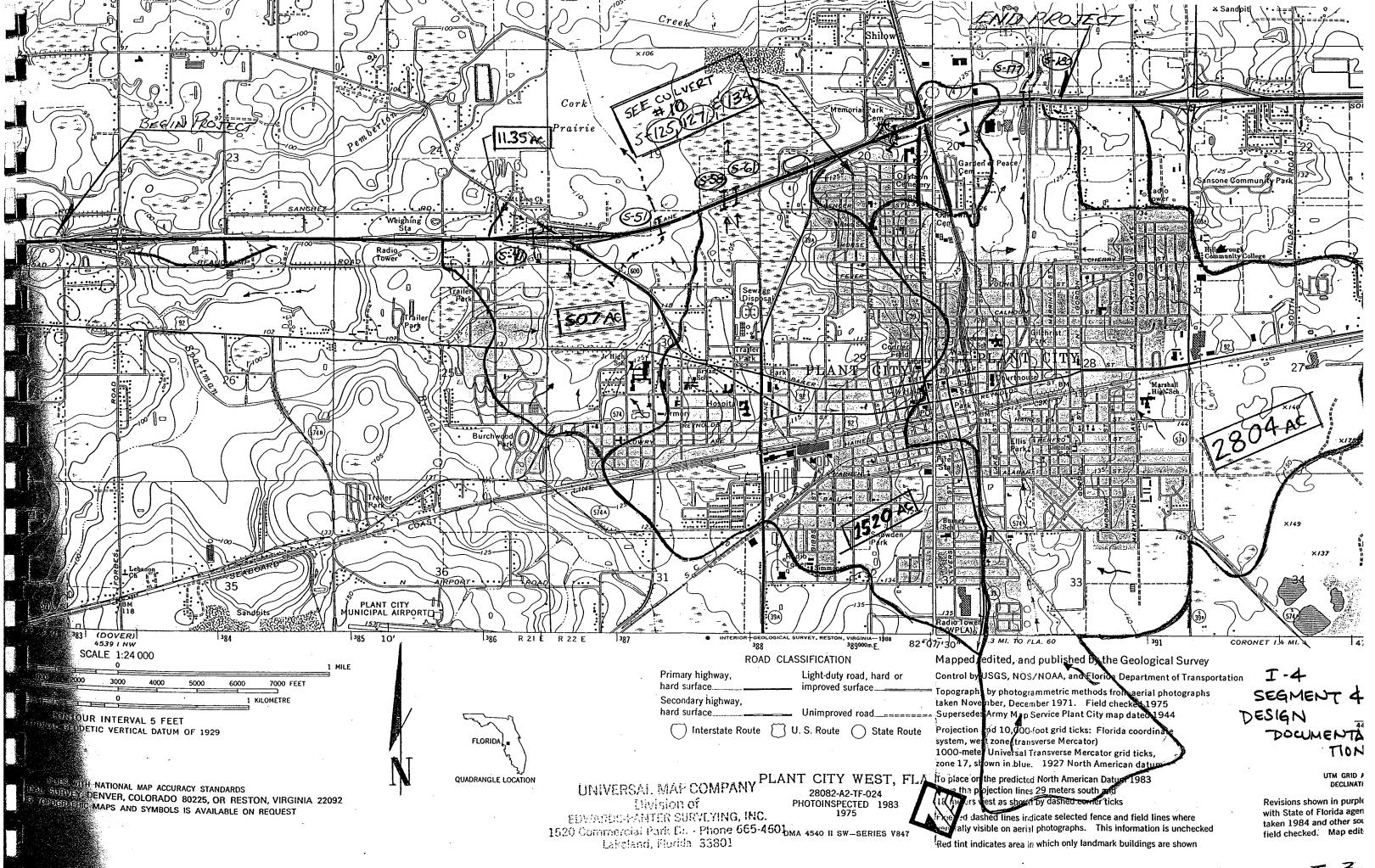
# Appendix D Drainage Maps from Area Projects: Bill Heard Chevrolet ERP & I-4 (Segment 4) Design Documentation

## PERMY No. 023895,001



Basin Map - Proposed Conditions





# Appendix E Preliminary Flood Plain Encroachment Calculations

MD	<b>PARSONS BRINCKERHOFF</b>
<b>F</b>	COMPUTATION SHEET
100	

Subject SA	M ALLEI	N/PARK	ROAD
		IMPACT'	_

Page of
Made by MMB
Made by MMB  Date 1 26 04
Checked by
Date

100 YR FLOOD PLAIN IMPACTS

REFERENCE FIRM PANELS (1992)
120112 0270C (FORMERLY 275C)
120112 0290C (1984)

AFTER SUPER-IMPOSING THE 100 YR FLOODPLAIN OVER THE PROJECT SITE IN CADD, THE REVISED IMPACTS PER BASIN ARE AS FOLLOWS (ASSUME 1' DEPTH):

#### BASIN B

2.59 AC-FT - E/W TO REW ONLY

FPC-B-1 AREA = 2.8 AC (INCLUDES 0.2 AC FOR BSMT.)

Subject SAM ALLEN	PARK ROAD
FLOOD PLAIN	

Page 2 of 2
Made by MMB
Date 7 26 04
Checked by
Date

#### BASIN C

ä

8.4 ACFT - RIW TO RIW ONLY

IMPACTS FOR PROPOSED PONDS (AND EASEMENTS) ARE AS FOLLOWS:

SMF-C-1 = 2,33 AC-FT

SMF-C-2 = 2.25 AC-FT

DEPENDING ON THE SELECTED POND, FLOOD PLAIN IMPACTS RANGE FROM

10.65 ACFT TO 10.73

PROVIDED FLOOD PLAIN COMPENSATION SITE = 11.19 AC-FT (INCLUDES ESINT OF 0.46 AC)

### Appendix F Projected SMF Costs

#### 2884 SP 29 PM 1: 51 MEMORANDUM

Date:

September 21, 2004

To:

Aurelie J. Anthony, Deputy District Right-of-Way Manager,

Operations, FDOT District Seven

From:

Marilyn Jackson, Right-of-Way Program Manager

CC:

Margaret Smith Scott FARASH

Toni Lovd

FDOT File Copy HDR File Copy

Re:

Cost Estimate

FP#:

257862 1

WPI#:

N/A

County:

Hillsborough

Description:

Sam Allen Road from Alexander Street

Ext. to Park Rd. from I-4 to Sam Allen

Purpose:

Special Purpose

HDR#:

15383-05

Per your request, attached please find copies of the above referenced cost estimates submitted for distribution. The total of all phases is as follows:

Description	Total of All Phases
Mainline	\$561,400
Option "A" Intersection Realignment	\$3,177,400
SMF-A-1	\$0
SMF-B-1	P-EVISED \$604,500 \$ 563,100
SMF-B-2	
SMF-C-1	# EVISED \$1,162,000 # 1,129,900
SMF-C-2	\$870,200
SMF-D-1	\$610,400
SMF-D-2	REVISED \$291,000 108,900
FPC-B-1	\$438,600
FPC-C-1	\$854,600
	1 0034,000

Thank you for the opportunity to provide this service, and please feel free to call with questions or concerns.

FM#:		E	FLORIDA D DISTRICT SE	VEN	N RIGHT OF	WAYC	OST EST	IMATE	lion «	
	. 257862	!1	Alternate:	-	Mainline		001 E31	District:	HDR#:	15383-05
County:	Hillsbo	ronâµ ´	Segment:		N/A			Date:		Seven 7-Sep-04
State Rd.: Project Des.	N/A Sam Al	lon Dond from Al-	FAP#:		0295-005			C.E. Sequence	•	N/A
Parcels	Gross	len Road from Ale Net	exander St. Ext.	to Pa	irk Road & Par	k Road fro	m I-4 to San	n Allen		
Commercial	0	0					Estimated Business	Relocatees:		
Residential	0	0					Residenti		0	
Unimproved	5	3					Signs	4.	0	
Total Parcels	ا _ ا						Personal	Property		
		3					Total Reio	catees	- 1	
R/W SUPPOR	RT COSTS							Amount		
<ol> <li>Direct Lai</li> <li>Indirect O</li> </ol>		(Parcels		<u> x</u>	13,000			39,000		
3.	Termead	(Parcels		<u> </u>	0	= Rate	)	0		
	ACE (D)			<del></del>				TOTAL PHASE	41	\$39
R/W OPS (PH 4. Appraisa		week Tale!							Amount	
5. Business	:Damane (	PA Fees Through	Talai		•	3	Parcels	x 12,000 =	36,000	
6. Court Re	porter & Pr	ocess Servers	75%	×	3	_ 1	Claims	x 19,000 =	19,000	
<ol><li>Expert W</li></ol>	itness		75%	_	3	= 2	Parcels	× 500 =	1,000	
8. Mediators			50%		3	= 2	Parcels Parcels	x 30,000 =	60,000	•
9. Demolitio	n, Asb. Ab	ate., Survey, etc.				Õ	Imprvmet	× 2,400 = × 15,000 =	4,800	
0. Miscellan	eous Cont	racts			_	1	Per Projec		0 15 000	
<ol> <li>Appraisal</li> </ol>	iree Kevie	w			•	2	Parcels	x 5,000 =	15,000 10,000	•
								TOTAL PHASE	4B	\$145
W LAND CO	OSTS (PHA	SE 43)						Amount		¥140,
<ol><li>Land, Imp</li></ol>	rovements	& Severance Dan	nages					Autoalit	Subtotal	
and Cost	to Cure A	nount	124,224	х	130%	* Desian	plan stage	= 161,500		
4. Water Ref		lit.	0	•	130%	(0 Parcels	w/o R/W Ac	- 101,500 0 (p:		
5. SUBTOTA						(Lines 1		- J/U	404 500	
6. Admin. Se	ettlement: (	Factor	45%	×	30%	of Line 15)		= 21 900	161,500	
7. Litigation	Awards (	Factor	60%	×		of Line 15)		= <u>21,800</u> = 67,800		
8. Business	Damages (	Claims	1	x	.0			=1,600		
9. Bus. Dam	ages Incr (	Factor	25%	x	\$ 1,600	,		=400		
0. Owner Ap	pr. Fees (	Parcels	2	х	\$10,000	•				
1. Owner CP	A Fees (	Claims	1	×	\$10,000			= <u>20,000</u> = <u>10,000</u>		
2. Defend.At	ty Fees (	Sum of Lines,16, 17 & 1	9) 90,000	×	40%	<i>(</i>				
3. Owner Ex	pert Witn (	Comm.+Unimp.)		+		x_ 18,000		= 36,000		
4. Other Con		its	3	x	\$500	10,000		= 54,000		
5. SUBTOTA	L					(l ines 1	6 thru 24)	= <u>1;500</u>		
6.						(	- unu 24,	TOTAL PHASE	213,100	
Design cont	ingency for	design plan stage	e:					TIOTAL PRASE	43	\$374,6
(1) 1 Du	- p.u.,s - 1.	2070 (2) 3078 pian.	s - 125% (3) 60	% pl	ans - 120% (4)	90% plan	s -115% (5)			
M YORDIDII	IOM-COMP	ULIANI (PHASE	s - 125% (3) 60 42)	% pl	ans - 120% (4)	90% plan	s -115% (5)	268 Date -110%		
. Acquisitio	n Consultar	ot IAN1 (PHASE Ant-50% of parcels	s - 125% (3) 60 42) \$20,000	% pl.	ans - 120% <i>(4)</i> 0	90% plan	s -115% (5)	268 Date -110%	G :-	
M YORDIDII	n Consultar COSTS. (PI	ot fant (PHASE Ant-50% of parcels	42)			90% plan	s -115% (5)		12	
Acquisition	n Consultar COSTS. (PI	ot IAN1 (PHASE Ant-50% of parcels	42)		0			268 Date -110%	12	
. Acquisition ELOCATION	n Consultar COSTS. (PI	ot fant (PHASE Ant-50% of parcels	42)				Amount	268 Date -110%	12	
Acquisition	n Consultar COSTS.(PI Replacer	oction (PHASE 2 nt-50% of parcels IASE 45) nent Housing	\$20,000	x	0 Number		Amount 0	268 Date -110%	12	
Acquisition ELOCATION  B. Owner  C. Tenant	n Consultar COSTS (PI Replacer	oction (PHASE 2 nt-50% of parcels IASE 45) nent Housing	\$20,000 \$20,000 \$10,000	x	0 Number 0		Amount	268 Date -110%	12	
Acquisition ELOCATION B. Owner D. Tenant D. Residentia	n Consultar COSTS (PI Replacer  Move Cost	oction (PHASE 2 nt-50% of parcels IASE 45) nent Housing	\$20,000 \$20,000 \$10,000 \$1,500	x x x	Number 0 0		Amount 0	268 Date -110%	12	
Acquisition ELOCATION  Owner Tenant  Residentia Business/F	n Consultar COSTS. (PI Replacer Move Cost	oction (PHASE 2 nt-50% of parcels IASE 45) nent Housing	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000	x x x	Number 0 0 0 0 0		Amount 0 0	268 Date -110%	512	
Acquisition ELOCATION  Owner Tenant  Residentia Business/F Personal P	COSTS. (PI Replacer Move Cost	oction (PHASE 2 nt-50% of parcels IASE 45) nent Housing	\$20,000 \$20,000 \$10,000 \$1,500	x x x	Number 0 0	= =	Amount 0	268 Date -110% TOTAL PHASE 4	·	
Z. Acquisition ELOCATION  3. Owner  5. Tenant  6. Residentia  6. Business/F  6. Personal P  6. (Lines 28 ti	Move Cost I Farm Troperty hru 32)	uction (PHASE) 1450% of parcels 14SE 45) nent Housing	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000	x x x	0 Number 0 0 0	= -	Amount 0 0 0 0 0 0 2,000	268 Date -110% TOTAL PHASE 4	·	
Acquisition C Acquisition C Acquisition C Owner C Tenant C Residentia C Business/F Personal P C Lines 28 ti C Relocation	Move Cost I Farm Troperty hru 32)	uction (PHASE) 1450% of parcels 14SE 45) nent Housing	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000	x x x	Number 0 0 0 0 0	= -	Amount 0 0	268 Date -110%	·	
Acquisitio ELOCATION  Owner Tenant Residentia Business/F Personal P (Lines 28 ti Relocation	Move Cost I Farm Troperty hru 32)	uction (PHASE) 1450% of parcels 14SE 45) nent Housing	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000	x x x	0 Number 0 0 0	= -	Amount 0 0 0 0 0 0 2,000	268 Date -110% TOTAL PHASE 4	·	
Acquisitio LOCATION COWNER Tenant Residentia Business/F Personal P (Lines 28 ti Relocation	Move Cost I Farm Troperty hru 32)	uction (PHASE) 1450% of parcels 14SE 45) nent Housing	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000	x x x	0 Number 0 0 0	= -	Amount 0 0 0 0 0 0 2,000	TOTAL PHASE A	5	
Acquisition LOCATION CONNER Residentia Business/F Personal P (Lines 28 ti Relocation	Move Cost Farm roperty hru 32) Services (	out and phases at-50% of parcels HASE 45) ment Housing sts	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$2,000	x x x	0 Number 0 0 0	= - = - = - (Not in P	Amount 0 0 0 0 0 0 2,000	TOTAL PHASE A	5	\$2,00
Acquisition ELOCATION Owner Tenant Residentia Business/F Clines 28 ti Relocation Relocation	Move Co: I arm roperty hru. 32) Services ( Marllyn J:	uction (PHASE) 1450% of parcels 14SE 45) nent Housing sts Cost	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$2,000	x x x	0 Number 0 0 0	= - = - = - (Not in P	Amount 0 0 0 0 2,000 thase Total)	TOTAL PHASE 4	5	\$2,00
Acquisitio ELOCATION  Owner Tenant  Residentia Business/F Ceresonal P Clines 28 ti Relocation  Relocation  all Estate: s. Dam.:	Marilyn J.  Gerson P.  Marriyn J.  Gerson P.	out and phases at-50% of parcels HASE 45) ment Housing sts	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$2,000 \$2,000	x x x x	0 Number 0 0 0	= - = - = - (Not in P	Amount 0 0 0 0 2,000 thase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date:	5	\$2,00 \$561,40
. Acquisitio ELOCATION  . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation .	Marilyn J.  Gerson P.  Marilyn J.	out and PHASE at 50% of parcels HASE 45) ment Housing sts  Cost  ackson reston Robinson	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$2,000 \$2,000	x x x x	0 Number 0 0 0 1 \$200	= - = - = - (Not in P	Amount 0 0 0 0 2,000 thase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Quarter of the control of the	5	\$2,00
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P (Lines 28 ti . Relocation	Marilyn J.  Gerson P.  Marilyn J.	out and PHASE at 50% of parcels HASE 45) ment Housing sts  Cost  ackson reston Robinson	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$2,000 \$2,000	x x x x	0 Number 0 0 0 1 \$200	= - = - = - (Not in P	Amount 0 0 0 0 2,000 thase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Date: Date:	5	\$2,00
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation	Marilyn J. Gerson P. NA Daniel Tru	out and (PHASE) i-65% of parcels i-ASE 45) ment Housing sts cost	\$20,000  \$20,000  \$10,000  \$1,500  \$20,000  \$20,000  \$2,000  \$2,000  \$2,000	× × × × ×	Number 0 0 0 1 \$200	= - = - = - (Not in P	Amount 0 0 0 0 2,000 thase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Quarter of the control of the	5	\$2,00
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation at Estate: s: Dam.: location: erall Review: st Estimate S	Marilyn J: Gerson P N/A Daniel Tre Gequence #	out and (PHASE) i-50% of parcels i-ASE 45) inent Housing sts cost cost cost cost cost cost cost	\$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$30,000 \$2,000	x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control	5 1/81/04 3/21/04	\$2,0
. Acquisitio LOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation at Estate: s: Dam.: location: erall Review: st Estimate S	Move Co: I	out and (PHASE 4) at-50% of parcels HASE 45) ment Housing sts cost cost ackson reston Robinson osper Dated: hate includes main	\$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000	x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control	5 1/81/04 3/21/04	\$2,0
Acquisitio LOCATION Owner Tenant Residentia Businessif Personal P (Lines 28 til Relocation al Estate: s: Dam.: ocation: erall Review: st Estimate S	Move Co: I	out and (PHASE) i-50% of parcels i-ASE 45) inent Housing sts cost cost cost cost cost cost cost	\$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000	x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: C Date: Date: Date: C	5 1/81/04 3/21/04	\$2,0
Acquisitio LOCATION Owner Tenant Residentia Businessif Personal P (Lines 28 til Relocation al Estate: s: Dam.: ocation: erall Review: st Estimate S	Move Co: I	out and (PHASE 4) at-50% of parcels HASE 45) ment Housing sts cost cost ackson reston Robinson osper Dated: hate includes main	\$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000	x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control	5 1/81/04 3/21/04	\$2,0
Acquisitio LOCATION Owner Tenant Residentia Businessif Personal P (Lines 28 til Relocation al Estate: s: Dam.: ocation: erall Review: st Estimate S	Move Co: I	out and (PHASE 4) at-50% of parcels HASE 45) ment Housing sts cost cost ackson reston Robinson osper Dated: hate includes main	\$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000	x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control	5 1/81/04 3/21/04	\$2,0
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation at Estate: s: Dam.: location: erall Review: st Estimate S	Move Co: I	out and (PHASE 4) at-50% of parcels HASE 45) ment Housing sts cost cost ackson reston Robinson osper Dated: hate includes main	\$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000	x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control	5 1/81/04 3/21/04	\$2,0
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation at Estate: s: Dam.: location: erall Review: st Estimate S	Move Co: I	out and (PHASE 4) at-50% of parcels HASE 45) ment Housing sts cost cost ackson reston Robinson osper Dated: hate includes main	\$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000	x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control	5 1/81/04 3/21/04	\$2,0
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation at Estate: s: Dam.: location: erall Review: st Estimate S	Move Co: I	out and (PHASE 4) at-50% of parcels HASE 45) ment Housing sts cost cost ackson reston Robinson osper Dated: hate includes main	\$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000	x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control	5 1/81/04 3/21/04	\$2,0
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation at Estate: s: Dam.: location: erall Review: st Estimate S	Move Co: I	out and (PHASE 4) at-50% of parcels HASE 45) ment Housing sts cost cost ackson reston Robinson osper Dated: hate includes main	\$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000	x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control	5 1/81/04 3/21/04	\$2,0
Acquisitio ELOCATION Owner Tenant Residentia Business/F Clines 28 ti Relocation al Estate: S Dam.: location: erall Review: st Estimate S	Move Co: I arm roperty hru 32) Services ( Marilyn J: Gerson P N/A Daniel Tru Sequence # This estin	out and (PHASE 4) at-50% of parcels IASE 45) ment Housing sts  Cost  ackson reston Robinson paper : Dated: nate includes main ately Sta. #118+50	\$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000	x x x x x x x in the first fr	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control	5 1/81/04 3/21/04	\$2,0
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation Substitution of the control of	Move Co: I arm roperty hru 32) Services ( Marilyn J: Gerson P N/A Daniel Tro Sequence # This estin approximates	ackson reston Robinson	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x x x x x x x in the first fr	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)  All Phases)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: 7  Dat	E //81/04 don Date: ad from	\$2,0° \$561,4°
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation . at Estate: s. Dam.: location: erall Review: st Estimate S MARKS:	Marilyn J. Gerson P. N/A Daniel Tro Sequence # This estin approximately	uction (PHASE) 14.50% of parcels 15.50% of parcels 15.50% of parcels 15.50% of parcels 16.50% of parce	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000	x x x x x x x x x x x x x x x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)  All Phases) he south sid	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control	E //81/04 don Date: ad from	\$2,0° \$561,4°
Acquisitio ELOCATION CLOCATION CLOCA	Marilyn J. Gerson P. N/A Daniel Tro Sequence # This estin approximately for the state of the sta	oct and (PHASE 4) iASE 45) ment Housing sts  cost  cost  Dated: nate includes main ately Sta. #118+50	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000	x x x x x x x x x x x x x x x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)  All Phases)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Control of Sam Allen Ro	E //81/04 don Date: ad from	\$2,0 \$561,40 \$10% 1.1000
Acquisitio ELOCATION CELOCATION C	Move Co: I Replacer  Move Co: I Garm  roperty  hru 32)  Services (  Marllyn J: Gerson P  N/A  Daniel Tro  Bequence #  This estin approximate the Type A - in Type B - in Type C - in	ackson reston Robinson Robinson reston Robinson Robinson reston Robinson Robinson reston Robinson Robinson Robinson Robinson r	\$20,000 \$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000  Signed: Signed: Signed: Signed: Signed: Confidence in the abconfidence trage confidence trage confidence trage confidence trage confidence	x x x x x x x x x x x x x x x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)  All Phases)	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: C Date: Date: C Date	E //81/0 4 Ion Date: ad from	\$2,00 \$561,40 \$561,40 1.1000 1.2100
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation . Solution: erall Review: st Estimate S MARKS:	Move Co: I Replacer  Move Co: I Garm  roperty  hru 32)  Services (  Marllyn J: Gerson P  N/A  Daniel Tro  Bequence #  This estin approximate the Type A - in Type B - in Type C - in	oct and (PHASE 4) iASE 45) ment Housing sts  cost  cost  Dated: nate includes main ately Sta. #118+50	\$20,000 \$20,000 \$10,000 \$10,000 \$20,000 \$20,000 \$2,000 \$2,000 \$2,000  Signed: Signed: Signed: Signed: Signed: Confidence in the abconfidence trage confidence trage confidence trage confidence trage confidence	x x x x x x x x x x x x x x x x x x x	Number 0 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)  All Phases)  he south sid	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Contained the contai	E //81/0 4 Ion Date: ad from	\$2,00 \$561,40 \$10% 1.1000
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation . Relocation: erall Review: st Estimate S MARKS:	Marilyn J. Gerson P. N/A Daniel Tro Sequence # This estin approximation	ackson reston Robinson sper Dated: nate includes main ately Sta. #118+50	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,00	x x x x x x x x x x x x x x x x x x x	Number 0 0 1 \$200	(Not in P)	Amount  0 0 0 2,000 hase Total)  All Phases)  he south sid	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: One: One: One ear One ear Three	E //81/0 4 Ion Date: ad from	\$2,00 \$561,40 1.1000 1.2100 1.3310
. Acquisitio ELOCATION . Owner . Tenant . Residentia . Business/F . Personal P . (Lines 28 ti . Relocation . Relocation: erall Review: st Estimate S MARKS:	Marilyn J. Gerson P. N/A Daniel Tro Sequence # This estin approxim:  dicates the Type A - in Type B - in Type B - in Type B - in	ackson reston Robinson sper Dated: ackson reston Robinson sper Dated: ack includes main ately Sta. #118+50 dicates the most of dicates below ave dicates below ave dicates the least of Department's pur	\$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,00	x x x x x x x x x x x x x x x x x x x	Number 0 0 1 \$200	(Not in P)	Amount  0 0 2,000  hase Total)  All Phases)  he south sid	TOTAL PHASE 4  TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Contained the contai	E //81/0 4 Ion Date: ad from	10% \$561,44 1.1000 1.2100 1.3310 1.4641

	•				SPORTA			
FM#;	2578621	DISTRICT SEVE	N RIGHT OF	WAY C	OST ESTI	MATE	HDR#:	15383-05
County:	Hillsborough	Alternate: Segment:	Option "A" II	ıt. Realign		District:		Seven
State Rd.:	N/A	EAD#				Date:		7-Sep-04
Project Des. Parcels	Sam Allen Road from A	Jexander St. Ext. to Pa	ark Road & Park	Road from	n l-4 to Sam	C.E. Sequent	ce	N/A
Commercial			·		Estimated	Relocatees:		
Residential	0 0	* t			Business	Metocates?	•	
Unimproved	3 3		•		Residentia	ı	0	
					Signs		0	
Total Parcels	3 3				Personal P	roperty		
R/W SUPPORT	COSTS (PHASE 41)				Total Reloc	atees	1	
1. Direct Labo	r Cost (Parcolo					Amount		
2. Indirect Ove	erhead (Parcels	3_x 3_x		,		39,000		
3.			<u> </u>	= Rate)	•	0		
W OPS (PHA	SE 4B)					TOTAL PHAS	E 41	
<ol> <li>Appraisal F</li> </ol>	ees Through Tele!						Amount	
o. Business D	amage CPA Food Through	ıh Triai				x 12,000 =		
· court Kebb	TIEF & Process Servere	75% x				x 19,000 =	= 0	
<ul> <li>Expert with</li> </ul>	less	75% x	3			x 500 =		
Mediators			3			x 30,000 =	60,000	
. pemolition,	Asb. Abate., Survey, etc.		<del>-</del>			× 2,400 =	4.800	
D. Miscellaned L. Appraisal F				-	Imprvmet	× 15,000 =	• 0	
i. Appraisar F	AP: L/6AI6M				Per Project: Parcels		.0,000	
				-	- 410013	× 5,000 ≈	10,000	
W LAND COS.	TS (PHASE 43)		-			TOTAL PHASE	48	\$1
<ol> <li>Land, Impro</li> </ol>	vements & Severance De	mages ·	•			Amount	Subtotal	
and cost to	Cure Amount	1,270,100 x	4200,				,	
. Water Reten	tion & Mit		130%	Design p	lan stage =	=1,651,100		
. SUBTOTAL		0 x	130% (0	Parcels w	vio R/W Acq	)0		
. Admin. Setti	ements (Factor	. AFOI		(Lines 13	&14)		1,651,100	
<ul> <li>Litigation Av</li> </ul>	vards (Factor	45% x	30% o	f Line 15)	-	222,900	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Business Da	mages (Claime	60% x		f Line 15)	=	693,500		,
Bus. Damage	es incr (Factor	0 x	0)	•	=	033,500		•
Owner Appr.	Fees (Parcele		\$ - )		=			
Owner CPA I	Fees (Claime	2 x	\$10,000)		=	20,000		
Defend:Aff	Fees (Sum of Lines 16, 17 &	<u></u>	\$10,000)		-	20,000		
Owner Fyna	t Witn (Comm.+Unimp.)		40%)		_	366.600		
Other Conde	mn Coote	0 +			_	366,600		
Gonde	mu. Cosis			18.000	_	E / 000		
SUBTOTAL		3 x		18,000	= -	54,000		
SUBTOTAL		3 x	\$500		= = fhg: 24\ =	54,000 1,500		-
SUBTOTAL				(Lines 16		1,500	1,358,500	· .
SUBTOTAL	anov for de-t		\$500	(Lines 16		1,500	1,358,500 43 ·	\$3,00
SUBTOTAL esign conting (1) PD&E p	ency for design plan stag lans - 130% (2) 30% plar	ye: 75 - 125% /31 60% ptg	\$500	(Lines 16		1,500	1,358,500 43 ·	\$3,00
SUBTOTAL  esign conting (1) PD&E p	ency for design plan stag lans - 130% (2) 30% plan N-CONSULTANT (DUASE	ge: ns - 125% (3) 60% pla 42)	\$500	(Lines 16		1,500	1,358,500 43 ·	\$3,00
SUBTOTAL  Design conting (1) PD&E p  ACQUISITION  Acquisition C	ency for design plan stag lans -130% (2) 30% plan N CONSULTANT (PHASE onsultant-50% of parcels	ye: 75 - 125% /31 60% ptg	\$500	(Lines 16	-115% (5) 2	1,500 TOTAL PHASE	43	\$3,00
SUBTOTAL Design conting (1) PD&E p V ACQUISITION Acquisition C LOCATION CO	ency for design plan stag lans - 130% (2) 30% plan N CONSULTANT (PHASE onsultant-50% of parcels STS (PHASE 45)	qe: ns - 125% (3) 60% pla 42)	\$500 nns - 120% (4) S	(Lines 16	-115% (5) 2	1,500	43	\$3,00
SUBTOTAL  Design conting (1) PD&E p  VACQUISITION Acquisition CO  LOCATION CO	ency for design plan stag lans -130% (2) 30% plan N CONSULTANT (PHASE onsultant-50% of parcels	qe: ns - 125% (3) 60% pla 42)	\$500 uns - 120% (4) S	(Lines 16	-115% (5) 2	1,500 TOTAL PHASE	43	\$3,00
SUBTOTAL Design conting (1) PD&E p VACQUISITION Acquisition C OCATION CO R Owner	ency for design plan stag lans - 130% (2) 30% plan N CONSULTANT (PHASE onsultant-50% of parcels STS (PHASE 45)	qe: ns - 125% (3) 60% pla 42)	\$500 nns - 120% (4) S	(Lines 16	-115% (5) 2 mount	1,500 TOTAL PHASE	43	\$3,00
SUBTOTAL  Design conting (1) PD&E p  / ACQUISITION Acquisition CO OCATION CO R  Owner Tenant	ency for design plan stag lans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) leplacement Housing	ye: ns - 125% (3) 60% pla 42) \$20,000 x	\$500 uis - 120% (4) 9 0 Number	(Lines 16	-115% (5) 2 mount	1,500 TOTAL PHASE	43	\$3,00
SUBTOTAL  Pesign conting (1) PD&E p  ACQUISITION Acquisition CO OCATION CO R Owner Tenant	ency for design plan stag lans - 130% (2) 30% plan N CONSULTANT (PHASE onsultant-50% of parcels STS (PHASE 45)	ye: ns-125% (3) 60% pla 42) \$20,000 x \[ \frac{\$20,000}{\$10,000} \text{ x} \]	\$500 uris - 120% (4) 9 0 Number 0	(Lines 16	-115% (5) 2 mount	1,500 TOTAL PHASE	43	\$3,00
esign conting (1) PD&E p (1) PD&E p (1) ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr	ency for design plan stag lans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) teplacement Housing love Costs	ye: ns - 125% (3) 60% pla 42) \$20,000 x \$10,000 x \$11,500 x	\$500 uris - 120% (4) 9 0 Number 0	(Lines 16	-115% (5) 2 mount 0	1,500 TOTAL PHASE	43	\$3,00
SUBTOTAL  lesign conting (1) PD&E p  / ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs	ye: 15 - 125% (3) 60% pla 42) \$20,000 x \$10,000 x \$11,500 x \$20,000 x	\$500 uns - 120% (4) S 0 Number 0 0	(Lines 16	-115% (5) 2 mount 0 0	1,500 TOTAL PHASE	43	\$3,00
SUBTOTAL  lesign conting (1) PD&E p  / ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs	ye: ns - 125% (3) 60% pla 42) \$20,000 x \$10,000 x \$11,500 x	\$500 uns - 120% (4) 9 0 Number 0 0	(Lines 16	mount 0 0 0	1,500 TOTAL PHASE	43	\$3,00
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subtotal esign conting (1) PDLE p ACQUISITION Acquisition C OCATION CO  Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru	ency for design plan staglans -130% (2) 30% plan staglans -130% (2) 30% plan N CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs	ye: 15 - 125% (3) 60% pla 42) \$20,000 x \$10,000 x \$11,500 x \$20,000 x	\$500  wis - 120% (4) 5  0  Number 0 0 0 1	(Lines 16	-115% (5) 2 mount 0 0 -0 2,000	1,500 TOTAL PHASE	42	
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subtotal esign conting (1) PDLE p ACQUISITION Acquisition C OCATION CO  Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru	ency for design plan staglans -130% (2) 30% plan staglans -130% (2) 30% plan N CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs	ye: 15 - 125% (3) 60% pla 42) \$20,000 x \$10,000 x \$11,500 x \$20,000 x	\$500  wis - 120% (4) 5  0  Number 0 0 0 1	(Lines 16	-115% (5) 2 mount 0 0 -0 2,000	1,500 TOTAL PHASE 268 Date -110% TOTAL PHASE	42	
esign conting (1) PD&E p (ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru Relocation Se	ency for design plan stag lans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) teplacement Housing love Costs merty 32), rvices Cost	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x  \$20,000 x  \$20,000 x	\$500  wis - 120% (4) 5  0  Number 0 0 0 1	(Lines 16 00% plans Ar = = = = Not in Pha	-115% (5) 2 mount 0 0 2,000 see Total)	1,500  TOTAL PHASE  168 Date -110%  TOTAL PHASE	42	
esign conting (1) PD&E p (ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru Relocation Se	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs n desiry 32) rvices Cost	ye: 15 - 125% (3) 60% pla 42) \$20,000 x \$10,000 x \$11,500 x \$20,000 x	\$500  wis - 120% (4) 5  0  Number 0 0 0 1	(Lines 16 00% plans Ar = = = = Not in Pha	-115% (5) 2 mount 0 0 2,000 see Total)	1,500  TOTAL PHASE  TOTAL PHASE  TOTAL PHASE 4  TOTAL PHASE 4	42	\$2
esign conting (1) PD&E p (1) PD&E p (2) ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru Relocation Sel	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs in series of the cost	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$1,500 x  \$20,000 x  \$20,000 x  \$1,500 x  \$20,000 x  \$20,000 x	\$500  wis - 120% (4) 5  0  Number 0 0 1 \$200 (	(Lines 16 00% plans Ar = = = = Not in Pha	-115% (5) 2 mount 0 0 2,000 see Total)	1,500  TOTAL PHASE  TOTAL PHASE  TOTAL PHASE 4  TOTAL PHASE 4	42 42 E 09/06/04	\$2
esign conting (1) PD&E p (ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru Relocation Services) Estate: Dam.: Gatton: M Residential	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE Consultant-50% of parcels STS (PHASE 45) Leplacement Housing love Costs In Destry 32) Explices Cost  arilyn Jackson Preston Robinson	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x  \$20,000 x  \$20,000 x  \$1,500 x  \$20,000 x  \$20,000 x  \$20,000 x	\$500  wis - 120% (4) 5  0  Number 0 0 0 1	(Lines 16 00% plans Ar = = = = Not in Pha	-115% (5) 2 mount 0 0 2,000 see Total)	1,500  TOTAL PHASE  TOTAL PHASE  TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date: Date:	43 42 5	\$2
esign conting (1) PD&E p (ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru Relocation Services) Estate: Dam.: Gatton: M Residential	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE Consultant-50% of parcels STS (PHASE 45) Leplacement Housing love Costs In Destry 32) Explices Cost  arilyn Jackson Preston Robinson	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$1,500 x  \$20,000 x  \$20,000 x  \$1,500 x  \$20,000 x  \$20,000 x	\$500  wis - 120% (4) 5  0  Number 0 0 1 \$200 (	(Lines 16 00% plans Ar = = = = Not in Pha	-115% (5) 2 mount 0 0 2,000 see Total)	TOTAL PHASE A  TOTAL PHASE A  TOTAL PHASE A  TOTAL PHASE A  TOTAL ESTIMAT  Date: Date: Date: Date:	42 42 55 E 09/06/04 09/06/04	\$2
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esign conting (1) PD&E p (ACQUISITION Acquisition CO OCATION CO ROWNER Tenant MResidential Business/Farr Personal Prop (Lines 28 thru Relocation Services) Estate: Mac Dam.: Ge action: M// all Review: Da Estimate Sequence	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE onsultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs n enty 32) ryices Cost arilyn Jackson erson Preston Robinson A untel Trosper uence #: Dated:	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x \$20,000 x  \$20,000 x  \$1,500 x \$20,000 x  \$20,000 x  \$20,000 x  \$20,000 x	\$500  wis - 120% (4) 5  0  Number  0 0 1 \$200 (	(Lines 16  00% plans  An  E  Not in Pha	mount 0 0 0 2,000 see Total)	TOTAL PHASE A TOTAL ESTIMAT Date: Date: Date: Date: Date:	42 42 42 42 65 69/06/04 69/06/04 69/06/04	\$2
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esign conting (1) PD&E p (ACQUISITION Acquisition COOCATION COONER Tenant MResidential Business/Farr Personal Prop (Lines 28 thru Relocation Servation Servation Mail Review: Date of the Dam.: Greation: Mail Review: Date of the Dam.: Greating of	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE onsultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs n enty 32) ryices Cost arilyn Jackson erson Preston Robinson A untel Trosper uence #: Dated:	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x \$20,000 x  \$20,000 x  \$1,500 x \$20,000 x  \$20,000 x  \$20,000 x  \$20,000 x	\$500  wis - 120% (4) 5  0  Number  0 0 1 \$200 (	(Lines 16  00% plans  An  E  Not in Pha	mount 0 0 0 2,000 see Total)	TOTAL PHASE A TOTAL ESTIMAT Date: Date: Date: Date: Date:	42 42 42 42 65 69/06/04 69/06/04 69/06/04	\$2
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esign conting (1) PD&E p (ACQUISITION Acquisition C OCATION CO R Owner Tenant MR Residential Business/Farr Personal Prop (Lines 28 thru Relocation Services at lone Mr.	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing dove Costs metry 32) rvices Cost  arilyn Jackson arilyn Jackson arison Preston Robinson A mitel Trosper uence #: Dated: is estimate includes main	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x  \$20,000 x  \$20,000 x  \$20,000 x  \$20,000 x  \$20,000 x  \$1,500 x  \$20,000 x  \$20,000 x  \$1,500 x  \$20,000 x  \$20,000 x	\$500  Inis - 120% (4) S  Number  0  0  1  \$200 (  Amount of \$  the realignmen	(Lines 16  00% plans  An  E  Not in Pha	115% (5) 2 mount 0 0 2,000 see Total)  I Phases) The Road/San	1,500  TOTAL PHASE: 268 Date -110%  TOTAL PHASE 4  TOTAL PHASE 4  TOTAL ESTIMAT  Date:	42 42 42 42 42 42 42 42 42 42 42 43 44 42 43 44 44 45 46 47 47 47 47 47 47 47 47 47 47 47 47 47	\$2
esign conting (1) PD&E p (1) PD&E p (2) ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru Relocation Services) Estate: Mac Dam.: Ge Ge Cation: ARKS: Th	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) teplacement Housing love Costs in perty 32) rvices Cost  arilyn Jackson	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$1,500 x  \$20,000 x  \$2,000 x  \$2,000 x  \$1,500 x  \$2,000 x  \$2,000 x  \$1,500 x  \$2,000 x  \$2,000 x  \$1,500 x  \$2,000 x	\$500  Inis - 120% (4) S  Number  0  0  1  \$200 (  Amount of \$  the realignmen	(Lines 16  00% plans  An  E  Not in Pha	mount 0 0 0 2,000 pse Total)  I Phases) Trk Road/San	TOTAL PHASE A TOTAL STIMAT Date:	42 42 42 42 42 42 42 42 42 42 42 43 44 42 43 44 44 45 46 47 47 47 47 47 47 47 47 47 47 47 47 47	\$2
esign conting (1) PD&E p (1) PD&E p (2) ACQUISITION Acquisition COOCATION CO	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs  metry 32) ryices Cost  arilyn Jackson arson Preston Robinson A uniel Trosper uence #: Dated: is estimate includes main ates the estimator's confi	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x \$20,000 x  \$20,000 x  \$1,500 x \$20,000 x  \$1,500 x \$20,000 x  \$1,500 x \$20,000 x  \$1,500 x  \$1,500 x \$20,000 x  \$1,500 x	\$500  Inis - 120% (4) S  Number  0  0  1  \$200 (  Amount of \$  the realignmen	(Lines 16  00% plans  An  E  Not in Pha	mount 0 0 0 2,000 see Total)  Il Phases) Il Cark Road/San	TOTAL PHASE A	42 42 42 42 42 42 42 42 42 42 42 43 44 42 43 44 44 45 46 47 47 47 47 47 47 47 47 47 47 47 47 47	\$2 \$3,1777
SUBTOTAL Design conting (1) PD&E p (1) PD&E p (2) ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru Relocation Se  Estate: Mi Gation: Mi all Review: Dam.: Ge cation: Mi all Review: Dam.: Typ ARKS: Th	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs  merry 32) rvices Cost  arilyn Jackson preston Robinson A uniel Trosper uence #: Dated: is estimate includes main ates the estimator's confi	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x  \$20,000 x  \$20,000 x  \$20,000 x  \$1,500 x  \$20,000 x  \$1,500	\$500  Inis - 120% (4) S  Number  0  0  1  \$200 (  Amount of \$  the realignmen	(Lines 16  00% plans  An  E  Not in Pha	mount 0 0 0 2,000 see Total)  I Phases) Trk Road/San	TOTAL PHASE A  TOTAL PHASE A  TOTAL PHASE A  TOTAL PHASE A  TOTAL ESTIMAT  Date: Date: Date: Date: Date: Date: Date: Total Phase A	42 42 42 42 42 42 42 42 42 42 42 43 44 42 43 44 44 45 46 47 47 47 47 47 47 47 47 47 47 47 47 47	\$3,177 \$3,177 10% 1.1000
SUBTOTAL Design conting (1) PD&E p (1) PD&E p (2) ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru Relocation Se  Estate: Mi Gation: Mi all Review: Dam.: Ge cation: Mi all Review: Dam.: Typ ARKS: Th	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs  merry 32) rvices Cost  arilyn Jackson preston Robinson A uniel Trosper uence #: Dated: is estimate includes main ates the estimator's confi	\$20,000 x  \$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x  \$20,000 x  \$20,000 x  \$20,000 x  \$1,500 x  \$20,000 x  \$1,500	\$500  Inis - 120% (4) S  Number  0  0  1  \$200 (  Amount of \$  the realignmen	(Lines 16  00% plans  An  E  Not in Pha	mount 0 0 0 2,000 see Totail)  I Phases) Trk Road/San  Futte Year Year Year	TOTAL PHASE A  TOTAL	42 42 42 42 42 42 42 42 42 42 42 43 44 42 43 44 44 45 46 47 47 47 47 47 47 47 47 47 47 47 47 47	\$3,177, \$3,177, 10% 1.1000 1.2100
SUBTOTAL Design conting (1) PD&E p (1) PD&E	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) teplacement Housing dove Costs  arilyn Jackson proces Cost  arilyn Jackson proces Cost proces Cost proces Cost proces Cost proces Cost proces Co	\$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x \$20,000 x  \$1,500 x \$20,000 x  \$2,000 x  \$2,000 x  \$1,500 x \$2,000 x  \$1,500 x \$2,000 x  \$2,000 x	\$500  Ins - 120% (4) S  Number  0 0 1 \$200 (  Amount of \$ the realignmen	(Lines 16  00% plans  An  E  Not in Pha	mount 0 0 2,000 Isse Total)  I Phases) I Cark Road/San	TOTAL PHASE A TO	42 42 42 42 42 42 42 42 42 42 42 43 44 42 43 44 44 45 46 47 47 47 47 47 47 47 47 47 47 47 47 47	\$3,177 \$3,177 1.000 1.2100 1.3310
SUBTOTAL Design conting (1) PD&E p (1) PD&E p (2) ACQUISITION Acquisition C OCATION CO R Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru Relocation Se  Estate: Mic Dam.: Ge cation: N// atll Review: Da Estimate Sequ ARKS: Th  ollowing indication Typ X Typ X Typ Typ Ollowing indication	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing love Costs  metry 32) ryices Cost  arilyn Jackson arson Preston Robinson A milel Trosper uence #: Dated: is estimate includes main per A - Indicates the most, pe A - Indicates above ave pe B - indicates below ave pe C - indicates below ave pe D - indicates the least of	\$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x \$20,000 x  \$1,500 x \$20,000 x  \$2,000 x  \$2,000 x  \$1,500 x \$2,000 x  \$1,500 x \$2,000 x  \$2,000 x	\$500  Ins - 120% (4) S  Number  0 0 1 \$200 (  Amount of \$ the realignmen	(Lines 16  00% plans  An  E  Not in Pha	mount 0 0 2,000 Isse Total)  I Phases) I Cark Road/San	TOTAL PHASE A  TOTAL	42 42 42 42 42 42 42 42 42 42 42 43 44 42 43 44 44 45 46 47 47 47 47 47 47 47 47 47 47 47 47 47	10% 1.1000 1.2100 1.3310 1.4641
SUBTOTAL Design conting (1) PD&E p (1) PD&E p VACQUISITION Acquisition C COCATION CO R Owner Tenant M Residential Business/Farr Personal Prop (Lines 28 thru Relocation Ser  Estate: Ma Gr Gr Gr Cation: M Typ ARKS: Th	ency for design plan staglans -130% (2) 30% plan N-CONSULTANT (PHASE consultant-50% of parcels STS (PHASE 45) deplacement Housing dove Costs  arilyn Jackson person Preston Robinson A nucled Trosper uence #: Dated: is estimate includes main ates the estimator's confi de A - Indicates the most de B - Indicates the least de C - Indicates below ave de C - Indicates the least of the B - Indicates the leas	\$20,000 x  \$20,000 x  \$10,000 x  \$11,500 x \$20,000 x  \$1,500 x \$20,000 x  \$2,000 x  \$2,000 x  \$1,500 x \$2,000 x  \$1,500 x \$2,000 x  \$2,000 x	\$500  Ins - 120% (4) S  Number  0  0  1  \$200 (  Amount of \$ the realignmen	(Lines 16  00% plans  An  E  Not in Pha	mount 0 0 0 2,000 Ise Total)  I Phases) Trk Road/San  Futtu Year Year Year Year Year	TOTAL PHASE A TO	42 42 42 42 42 42 42 42 42 42 42 43 44 42 43 44 44 45 46 47 47 47 47 47 47 47 47 47 47 47 47 47	\$3,177 \$3,177 1.000 1.2100 1.3310

FM#:							
	257862 1	Alternate:	VEN RIGHT O	F WAY COS	ESTIMATE	HDR#:	15383-05
County:	Hillsborough	Segment:	N/A		District:	-	Seven
State Rd.: Project Des.	N/A	FAP#:	0005 005	•	Date: C.E. Sequen		7-Sep-04
Parcels	Sam Allen Road from Gross Net	n Alexander St. Ext.	to Park Road & Pa	rk Road from I-	to Sam Allen	ce	N/A
Commercial	0 0			Es	timated Relocatees:	4.5	<del></del>
Residential	0 0			Bu	siness	0	
Unimproved	1 0	-			sidential	0	
Total Parcels	1 .				ins rsonal Property	0	
				То	al Relocatees	1	
1. Direct Labo	COSTS (PHASE 41)			,	Amount		<del></del>
2. Indirect Ov	or Cost (Parcel erhead (Parcel	· <del> '</del>	<u> </u>		0		
3	() di Cel	• <u> </u>	) x	0 ≃ Rate)	0		
R/W OPS (PHA	SE 4B).	<del></del>			TOTAL PHAS	E 41	· · · · · · · · · · · · · · · · · · ·
<ol> <li>Appraisal F</li> </ol>	Fees Through Trial	•				Amount	
5. Business E	Damage CPA Food Thre	ough Trial			cels x 12,000 =	• 0	
<ol> <li>Court Report</li> <li>Expert With</li> </ol>	orter & Process Server	s 75%	x 0		ims x 19,000 =	•	
B. Mediators	ness .	75%			cels x 500 = cels x 30,000 =	·	
9. Demolifion	, Asb. Abate., Survey, c	50%	x 0		cels x 2,400 =	_	
o. miscellättet	ous Contracts	atc.		0 lmp	rvmet x 15.000 =		
1. Appraisal F	ee Review	• •		0 Per	Project x 15,000 =	· ō	•
2.		<u>.</u>		0 Par	cels x 5,000 =		
W LAND COS	TS (PHASE 43)				TOTAL PHASE	E 4B	
3. ·Land, Impro	ovements & Severanco	Damages	•		Amount	Subtotal	
and Cost to	o Cure Amount		× 130%	* Door			
<ol><li>Water Reter</li></ol>	ntion & Mit.	0		* Design plan (0 Parcels wio	stage. =0		
5. SUBTOTAL		<del></del>	13076	(Lines 42 94	R/W Acq)0		
o. Admin. Sett	llements (Factor	0%	`x 0%	(Lines 13 &1 of Line 15)	•	0	
7. Litigation A	wards (Factor	60%		of Line 15)	=0	-	
o. Business Da	amagės (Claims	0	×\$0		=0		
o bus. Damag	jes Incr (Factor	25%	x _\$	• •	=0		
- Owner Appr	r. Fees (Parcels Fees (Claims	0		• •	=0		
L Defend Atte	Food (Claims	0	x \$10,000	•	=0		
. Owner Even	Fees (Sum of Lines 16, 1 ert With (Comm.+Unimp	7 & 19)0	x 40%	•	=0		
Other Conde	ann Coete Smr Coete		+0	) x <u>18,000</u>	.= <u>0</u>		
SUBTOTAL	······································		x \$500		=0		
i	•		–	(Lines 16 thro	124) =	0	
Design contine	gency for design plan s	stane•			TOTAL PHASE		
(I) PUGE	pians - 130% (2) 30% i	olans - 125% <i>(</i> 3) 60	% plans . 120% /4	1 00% ====	5% (5) 268 Date -110%		···
			120/6 (4	au/o pians -11:	5) 268 Date -110%		•
Acquisition (	Consultant-50% of parce	ls \$20,000	.x n				
	OSTS (PHASE 45)	7-4,000			TOTAL PHASE	42	
LOCATION CO	(· · · · · · · · · · · · · · · · ·						
	Replacement Housing	•	Number				
. Owner	Replacement Housing	\$20,000	Number x 0	Amo:		-,	
. Owner . Tenant	Replacement Housing	\$20,000 \$10,000		Amor	0_		
Owner Tenant	Replacement Housing	\$10,000	x0	Amo:			
Owner Tenant Residential Business/Far	Replacement Housing  Move Costs	\$10,000 \$1,500	x0	Amor	0_		
Owner Tenant Residential Business/Far Personal Pro	Replacement Housing  Move Costs  m	\$10,000 \$1,500 \$20,000	x 0 x 0 0	Amor	0		
Owner Tenant Residential Business/Far Personal Pro	Replacement Housing  Move Costs  rm  perty u 321	\$10,000 \$1,500	x0	=	0 0 0 0 2,000		
Owner Tenant Residential Business/Far Personal Pro	Replacement Housing  Move Costs  rm  perty u 321	\$10,000 \$1,500 \$20,000	x 0 x 0 x 0 x 0 x 1	=	0 0 0 2,000	45	
Owner Tenant Residential Business/Far Personal Pro	Replacement Housing  Move Costs  rm  perty u 321	\$10,000 \$1,500 \$20,000	x 0 x 0 0	=	0 0 0 2,000	15	
Owner Tenant Residential Business/Far Personal Pro (Lines 28 thru Relocation Se	Replacement Housing  Move Costs  rm  perty u 321	\$10,000 \$1,500 \$20,000	x 0 x 0 x 0 x 0 x 1	=	0 0 0 2,000	15	
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se	Replacement Housing  Move Costs  rm  perty u 321	\$10,000 \$1,500 \$20,000	x 0 x 0 x 0 x 0 x 1	= = = = (Not in Phase	0 0 0 2,000 Total Phase		
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se	Replacement Housing  Move Costs  rm  perty u 32) ervices Cost	\$10,000 \$1,500 \$20,000 \$2,000	x 0 x 0 x 0 x 0 x 1	=	0 0 0 2,000 (TOTAL PHASE A		
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se	Replacement Housing Move Costs rm perty u 32) ervices Cost	\$10,000 \$1,500 \$20,000	x 0 x 0 x 0 x 0 x 1	= = = = (Not in Phase	0 0 0 2,000 TOTAL PHASE A		
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se	Move Costs  m perty u 32) ervices Cost	\$10,000 \$1,500 \$20,000 \$2,000	x 0 x 0 x 0 x 0 x 1	= = = = (Not in Phase	O O O O O O O O O O O O O O O O O O O	E	
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se	Replacement Housing Move Costs rm perty u 32) ervices Cost	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000	x 0 x 0 x 0 x 0 x 1	= = = = (Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04	
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se	Move Costs  m perty u 32) ervices Cost  Marilyn Jackson I/A Janiel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 Signed: Signed: Signed:	x 0 x 0 x 0 x 0 x 1 \$0	(Not in Phase	O O O O O O O O O O O O O O O O O O O	E	
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se  Il Estate: M Coation: N Corall Review: D  It Estimate Sec	Replacement Housing Move Costs rm perty u 32) ervices Cost  Marilyn Jackson UA / UA / UA   Uanlel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x 0 x 0 x 0 x 0 x 1	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04	
Owner Tenant  Residential Residential Residential Residential Residential Personal Pro (Lines 28 thru Relocation Se  Il Estate: M Docation: N rrall Review: D	Move Costs  m perty u 32) ervices Cost  Marilyn Jackson I/A Janiel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x 0 x 0 x 0 x 0 x 1 \$0	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04	
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se  Il Estate: M Coation: N Corall Review: D  It Estimate Sec	Replacement Housing Move Costs rm perty u 32) ervices Cost  Marilyn Jackson UA / UA / UA   Uanlel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x 0 x 0 x 0 x 0 x 1 \$0	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04	
Owner Tenant  Residential Residential Residential Residential Residential Personal Pro (Lines 28 thru Relocation Se  Il Estate: M Docation: N rrall Review: D	Replacement Housing Move Costs rm perty u 32) ervices Cost  Marilyn Jackson UA / UA / UA   Uanlel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x 0 x 0 x 0 x 0 x 1 \$0	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04	
Owner Tenant  Residential Residential Residential Residential Residential Personal Pro (Lines 28 thru Relocation Se  Il Estate: M Docation: N rrall Review: D	Replacement Housing Move Costs rm perty u 32) ervices Cost  Marilyn Jackson UA / UA / UA   Uanlel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x 0 x 0 x 0 x 0 x 1 \$0	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04	
Owner Tenant  Residential Residential Residential Residential Residential Personal Pro (Lines 28 thru Relocation Se  Il Estate: M Docation: N rrall Review: D	Replacement Housing Move Costs rm perty u 32) ervices Cost  Marilyn Jackson UA / UA / UA   Uanlel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x 0 x 0 x 0 x 0 x 1 \$0	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04	
Owner Tenant  Residential Residential Residential Residential Residential Personal Pro (Lines 28 thru Relocation Se  Il Estate: M Docation: N rrall Review: D	Replacement Housing Move Costs rm perty u 32) ervices Cost  Marilyn Jackson UA / UA / UA   Uanlel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x 0 x 0 x 0 x 0 x 1 \$0	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04	
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se  Il Estate: M Coation: N Corall Review: D  It Estimate Sec	Replacement Housing Move Costs rm perty u 32) ervices Cost  Marilyn Jackson UA / UA / UA   Uanlel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x 0 x 0 x 0 x 0 x 1 \$0	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04	
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se  Il Estate: M Docation: N Docation: N Docation: N Drall Review: D  t Estimate Sec	Move Costs  m perty u 32) ervices Cost  Marilyn Jackson I/A Janiel Trosper quence #; bat his site is currently own	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$1,500 \$2,000 \$2,000 \$1,500 \$2,000 \$1,500 \$1,500 \$2,0	x 0 x 0 x 0 x 1 \$0	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04	
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Ser  Il Estate: Man : N Cocation: N	Move Costs  m perty u 32) ervices Cost  Marilyn Jackson I/A Janlel Trosper quence #: Dat his site is currently own cates the estimator's co	\$10,000  \$1,500 \$20,000 \$20,000 \$2,000  \$1,500 \$2,000  \$1,500 \$2,000	x 0 x 0 x 0 x 1 \$0	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04 tion Date:	
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Sc  Il Estate: M Dam: N Docation: N Docation: N Trail Review: D  t Estimate Sec MARKS: Ti	Move Costs  Imperty  Jackson  Jarllyn Jackson  JA  Juaniel Trosper  Juence #: Dat  his site is currently own  cates the estimator's co	\$10,000 \$1,500 \$20,000 \$2,000	x 0 x 0 x 0 x 0 x 1 so	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04 tion Date:	10%
Owner Tenant  Residential Residential Residential Residential Residential Residential Personal Pro (Lines 28 thru Relocation Se  Il Estate: M. Coation: N. Trail Review: D  t Estimate Sec MARKS: Ti	Replacement Housing Move Costs  Imperty Jackson JA Janiel Trosper Juneace #: Dat his site is currently own  Lates the estimator's course above Type A - indicates the mounts  Jackson Janiel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000  Signed: Signed: Signed: Signed: Onlidence in the about confidence	x 0 x 0 x 0 x 0 x 1 so	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04 tion Date:	1.1000
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se  Il Estate: M Docation: N Docation: N Docation: N Drall Review: D  t Estimate Sec MARKS: Ti  following Indic	Move Costs  m perty u 32) ervices Cost  Marilyn Jackson  MA  MA  Janiel Trosper  quence #: Dat his site is currently own  cates the estimator's co pe A - Indicates the mo pe B - Indicates above	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000  Signed: Signed: Signed: Signed: Signed: Signed: Signed: Signed: action the about confidence average confidence	x 0 x 0 x 0 x 0 x 1 so	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04 tion Date:	1.1000 1.2100
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se  I Estate: M Dam.: N Dam.: N Total Review: D  t Estimate Sec IARKS: Ti  following Indic	Replacement Housing Move Costs  Imperty Jackson JA Janiel Trosper Juneace #: Dat his site is currently own  Lates the estimator's course above Type A - indicates the mounts  Jackson Janiel Trosper	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000  Signed: Signed: Signed: Signed: Signed: Signed: Signed: Signed: action the about confidence average confidence	x 0 x 0 x 0 x 0 x 1 so	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04 tion Date:	1.1000 1.2100 1.3310
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Selection Selectio	Move Costs  Imperty  Jackson  Jarllyn Jackson  JA  Janiel Trosper  Juence #: Dat  his site is currently own  cates the estimator's compe A - indicates the mode of	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x 0 x 0 x 0 x 0 x 0 x 1 so	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04 tion Date:	1.1000 1.2100 1.3310 1.4641
Owner Tenant  Residential Business/Far Personal Pro (Lines 28 thru Relocation Se  I Estate: M Dam.: N Docation: N Tocation: N Tall Review: D  t Estimate Sec IARKS: Ti  following Indic Ty Ty Ty Ty	Move Costs  Imperty  In 32)  In 4  In 4  In 4  In 4  In 4  In 5  In 7  In 6  In 7  In 7  In 7  In 7  In 8	\$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$1,500 \$2,000	x 0 x 0 x 0 x 0 x 1 so 1	(Not in Phase	O O O O O O O O O O O O O O O O O O O	09/06/04 09/06/04 tion Date:	1.1000 1.2100 1.3310

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		DISTRICT SEVI	PARTMENT OF THE EN RIGHT OF WA	Y COST EST	IMATE	· .	
FM#: County:	257862 1	Alternate:	SMF-B-1			HDR#:	15383-05
State Rd.	Hillsborough N/A	Segment:	N/A	• •	District: Date:		Seven
Project Des		FAP#:	0295-005				7-Sep-04
Parcels	Gross Net	n Alexander St. Ext. to I	Park Road & Park Road	i from I-4 to Sar	n Allen	•	'N/A
Commercial	0 0		. "	Estimated	Relocatees:		
Residential	0 0			Business			
Unimproved	1 1			Residenti Signs	al	0	
Total Parcels	71			Personal	Drona-t.	0	
	COSTS PHASE 41)	<u> </u>		Total Relo	riobettà	1	
1. Direct Labo				1,500.700		1	
2. Indirect Ov				Rate)	Amount		
3. ·	erhead: \ (Parcel	<u> </u>		Rate)	13,000 0		
RW:OPS (PHA	CE 4D)			· ·	TOTAL PHASE	44	
4. Appraisal F	ees Through Trial				LAMETHAGE		\$1
5. Business [	amane CPA Food Thus			1 Parcels	x 12,000 =	Amount	
ս, ⊂սալլ ռеքը	ITEL & Process Son An	0 750		0 Claims	x 19,000 =	12,000	
7. Expert Witr	iess			1 Parcels	X 500 =	0	
B. Mediators	•	75%	×=	1 Parcels	x 30,000 =	500	
<ol><li>Demolition,</li></ol>	Asb. Abate., Survey, e	etc 50% >		1 Parcels	X 2.400 =	30,000 2,400	
o. miscellatie	SUS Contracte	/		0 Imprvmet	× 15.000 =	2,400	-
1. Appraisal F	ee Review	\		Per Project	x 15,000 =	15,000	
2.		\	1	Parcels	x 5,000 =	5.000	
/W LAND COS	TS (PHASE 43)	<del></del>			TOTAL PHASE	4B	**
3. Land, Impro	vements & Saverance	Damana -				Subtotal	\$6
and Cost to	Cure Amount	_ \ \	•			orninisi	
4. Water Reter	tion &:Mit	×	130% * Des	ign plan stage	= 0	•.*	
5. SUBTOTAL	,	206X(20 x	130% (0 Parc	els w/o R/W Ac	268,000		
. Admin. Sett	lement: (Factor	. \	(Lîne	es 13 &14)	17200,000		
Litigation Av	wards (Factor	0% x	0% of Line	15)	= ^~	268,000	
Business D	images (Claims	60% \x	100% of Line	15)	=0		
Bus Daman	es Incr (Factor	<u> </u>	\$0)		= 160,800		
Ourse Anna	es incr (Factor	25% x			<u>U</u>		
Owner Appr	Fees (Parcels	1 · x			=0		
Owner CPA	Fees (Claims		\$10,000	•	=10,000		
. Defend Afty	Fees (Sum of Lines 16, 1)	7 5 401 400 000	7		=0		
<ul> <li>Owner Expe</li> </ul>	rt Witn (Comm +t Inima	0.) 0 +	40%)	:	=64,300		
. Other Conde	mn. Costs	1 x	1 × 18,0	<u>100</u> :	18,000		
. SUBȚOTAL		<del></del> *					
					500		
				: s 16 thru 24) =	500	253.600	
Design continu	ency for design plan s	stage:	(Line	•	TOTAL STATE	253,600 3	\$E94
Design conting (1) PD&E p	ency for design plan s plans - 130% (2) 30% p	olans - 125% (3) 60% n	(Line	•	TOTAL STATE		\$521
Design conting (1) PD&E p N ACQUISITIO	N CONSULTANT (DHA	olans - 125% (3) 60% p	(Line	•	TOTAL STATE		\$521
Design conting (1) PD&E p W ACQUISITIO Acquisition C	N CONSULTANT (PHA: consultant-50% of parcel	olans - 125% (3) 60% p	(Line	•	TOTAL PHASE 4 268 Date -110%	3	\$521
Design conting (1) PD&E p W ACQUISITIO Acquisition C	N CONSULTANT (PHA: consultant-50% of parcel	olans - 125% (3) 60% p	(Line	•	TOTAL STATE	3	\$521,
Design conting (1) PD&E p  M ACQUISITIO  Acquisition C  LOCATION CO	Nans - 130% (2) 30% p N CONSULTANT (PHA: Consultant-50% of parcel PSTS (PHASE 45)	olans - 125% (3) 60% p	(Line lans - 120% (4) \$0% ρ.	•	TOTAL PHASE 4 268 Date -110%	3	\$521
Design conting (1) PD&E p  N ACQUISITIO Acquisition C LOCATION CO  Owner	N CONSULTANT (PHA: consultant-50% of parcel	olans - 125% (3) 60% p. SE 42) Is \$20,000 x	(Line (Line ο (Line ) (Line ο (Line ο (Line ) (Line ο (Line ) (Line ο (Line ) (Line ) (Line ο (Line )	•	TOTAL PHASE 4 268 Date -110%	3	\$521
Design conting (1) PD&E p  N ACQUISITIO Acquisition CO LOCATION CO Owner Tenant	mans - 130% (2): 30% p N CONSULTANT (PHA: consultant-50% of parcel STS (PHASE 45) Replacement Housing	olans - 125% (3) 60%, p. SE 42) Is \$20,000 x	(Line lans - 120% (4) \$0% p.  0  Number  0 =	•	TOTAL PHASE 4 268 Date -110%	3	\$521
Design conting (1) PD&E p  N ACQUISITIO Acquisition C  LOCATION CO  Owner Tenant	Nans - 130% (2) 30% p N CONSULTANT (PHA: Consultant-50% of parcel PSTS (PHASE 45)	olans - 125% (3) 60% p. SE 42) Is \$20,000 x	(Line (Line ο (Line ) (Line ο (Line ο (Line ) (Line ο (Line ) (Line ο (Line ) (Line ) (Line ο (Line )	•	TOTAL PHASE 4 268 Date -110%	3	\$521
Oesign conting (1) PD&E p V ACQUISITIO Acquisition Co LOCATION CO Owner Tenant N Residential	mans - 130% (2): 30% p N CONSULTANT (PHA: Consultant-50% of parcel STS (PHASE 45) Replacement Housing	olans - 125% (3) 60% p. SE 42) Is \$20,000 x  \$20,000 x \$10,000 x	(Line    0	•	TOTAL PHASE 4 268 Date -110%	3	\$521
Oesign conting (1) PD&E p  V ACQUISITIO Acquisition C LOCATION CC  Owner Tenant  Residential Business/Fan	mans - 130% (2): 30% p. N CONSULTANT (PHA: Consultant-50% of parcel STS (PHASE 45) Replacement Housing love Costs	SE 42   s	(Line  (Line  (Line  (Line  (A) \$0% p.  (A) \$0% p.  (B) \$0 = 0.	•	TOTAL PHASE 4 268 Date -110%	3	\$521
Oesign conting (1) PD&E p  V ACQUISITIO Acquisition C LOCATION CC Owner Tenant  Residential Business/Fan Personal Prop	mans - 130% (2) 30% p N CONSULTANT (PHA: consultant-50% of parcel STS (PHASE 45) Replacement Housing Hove Costs	\$20,000 x   \$20,000 x   \$1,500 x   \$20,000 x	(Line    A	Mount 0	TOTAL PHASE 4 268 Date -110%	3	\$521
Oesign conting (1) PD&E p  V ACQUISITIO Acquisition C COCATION CC Owner Tenant  Residential Business/Fan Personal Proj (Lines 28 thru	mans - 130% (2) 30% p N CONSULTANT (PHA: consultant-50% of parcel PSTS (PHASE 45) Replacement Housing Hove Costs The party of the party	SE 42   s	(Line  (Line  (Line  (Line  (A) \$0% p.  (A) \$0% p.  (B) \$0 = 0.	•	TOTAL PHASE 4 268 Date -110%	3	\$521
esign conting (1) PD&E p  ACQUISITIO Acquisition C COATION CC COWner Tenant Residential Business/Fan Personal Proj (Lines 28 thru	mans - 130% (2) 30% p N CONSULTANT (PHA: consultant-50% of parcel PSTS (PHASE 45) Replacement Housing Hove Costs The party of the party	\$20,000 x   \$20,000 x   \$1,500 x   \$20,000 x	(Line    120% (4)   10% p.	Mans -115% (5)	TOTAL PHASE 4 268 Date -110%	2	
Oesign conting (1) PD&E p  V ACQUISITIO Acquisition C COCATION CC Owner Tenant  Residential Business/Fan Personal Proj (Lines 28 thru	mans - 130% (2) 30% p N CONSULTANT (PHA: consultant-50% of parcel PSTS (PHASE 45) Replacement Housing Hove Costs The party of the party	\$20,000 x   \$20,000 x   \$1,500 x   \$20,000 x	(Line    120% (4)   10% p.	Mount 0	TOTAL PHASE 4	2	
Oesign conting (1) PD&E p  V ACQUISITIO Acquisition C COCATION CC Owner Tenant  Residential Business/Fan Personal Proj (Lines 28 thru	mans - 130% (2) 30% p N CONSULTANT (PHA: consultant-50% of parcel PSTS (PHASE 45) Replacement Housing Hove Costs The party of the party	\$20,000 x   \$20,000 x   \$1,500 x   \$20,000 x	(Line    120% (4)   10% p.	Mans -115% (5)	TOTAL PHASE 4	2	
Oesign conting (1) PD&E p  V ACQUISITIO Acquisition C LOCATION CC COWNER Tenant  Residential Business/Fan Personal Proj (Lines 28 thru Relocation Se	mans - 130% (2) 30% p N CONSULTANT (PHA: consultant-50% of parcel PSTS (PHASE 45) Replacement Housing Hove Costs The party of the party	\$20,000 x   \$20,000 x   \$1,500 x   \$20,000 x	(Line    120% (4)   10% p.	Anount 0 0 2,000 Phase Total)	TOTAL PHASE 4	2	
Oesign conting (1) PD&E p (1) PD&E p (1) ACQUISITIO Acquisition C LOCATION CC COWNET Tenant Residential Business/Fan Personal Proj (Lines 28 thru Relocation Se	mans - 130% (2) - 30% p N CONSULTANT (PHA- consultant-50% of parcel SSTS (PHASE 45) Replacement Housing Hove Costs m Derty 1 32) rvices Cost	SE 42   s	(Line    120% (4)   10% p.	Anount 0 0 2,000 Phase Total)	TOTAL PHASE 4	2	\$2,
Oesign conting (1) PD&E p VACQUISITIO Acquisition C LOCATION CC Owner Tenant N Residential Business/Fan Personal Proj Lines 28 thru Relocation Se	mans - 130% (2) 30% p N CONSULTANT (PHA: consultant-50% of parcel STS (PHASE 45) Replacement Housing Move Costs m perty 32) rvices Cost	Signed:	(Line    120% (4)   10% p.	And your 0 0 2,000 Phase Total)	TOTAL PHASE 4  268 Date -110%  TOTAL PHASE 4  TOTAL PHASE 45	2	\$2,
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Oesign conting (1) PD&E p VACQUISITIO Acquisition Co COCATION CO OWNER Tenant N Residential Business/Fan Personal Prof (Lines 28 thru Relocation Se  Estate: M Dam.: N Catlon: C Catlon: N	mans - 130% (2) - 30% p N CONSULTANT (PHASE Consultant-50% of parcel STS (PHASE 45) Replacement Housing Replacement Housing STS (PHASE 45) Replacement Housing Replace	Signed:     Signed:   Si	(Line    120% (4)   10% p.	Anount 0 0 2,000 Phase Total)	TOTAL PHASE 4  268 Date -110%  TOTAL PHASE 4  TOTAL PHASE 45  TOTAL ESTIMATE Date: Date: Date:	2 09/06/04	\$2,
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Design conting (1) PD&E p (1) PD&E p VACQUISITIO Acquisition C LOCATION CO F Owner Tenant N Residential Business/Fan Personal Proj (Lines 28 thru Relocation Se  I Estate: M Dam.: N N Catlon: N Vacatlon: N Vacat	anis - 130% (2) 30% p N CONSULTANT (PHAN consultant-50% of parcel PSTS (PHASE 45) Replacement Housing Rove Costs  In Detry 32) Prices Cost  A A Aniel Trosper  Luence #: Date Iministrative settlement a considered to be zero  ates the estimator's co  ates the estimator's c	signed: Signed	Number  0  0  Number  0  0  1  0  Example (A) \$0% p.  Number  0  0  0  1  2  1  \$200 (Not in the period of the Amount of \$100 of the the period of the the period of the the the the the the period of the the the the the period of the the the the the the period of the	Applications of the second of	TOTAL PHASE 4  268 Date -110%  TOTAL PHASE 4  TOTAL PHASE 45  TOTAL ESTIMATE  Date: Date: Date: Date: Date: Date: Date: Date: Date  Total Input Completion  ar Two air Three ar Four	3 2 09/06/04 09/06/04 on Date: trative settleme	\$2, \$601, \$601, 10% 1.1000 1.2100 1.3310 1.4641
Design conting (1) PD&E p (1) PD&E p VACQUISITIO Acquisition Co OCATION CO OWNER Tenant  N Residential Business/Fan Personal Prof (Lines 28 thru Relocation Se  Estate: M Dam.: N Catlon: N Dam.: N Catlon: N Acatlon: N Aca	Anniel Trosper  uence #: Date Implicates the me actes the estimator's co pe A - Indicates the mo pe B - Indicates the lear ates the elaratment's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear	signed: Signed	Number  0  0  Number  0  0  1  0  Example (A) \$0% p.  Number  0  0  0  1  2  1  \$200 (Not in the period of the Amount of \$100 of the the period of the the period of the the the the the the period of the the the the the period of the the the the the the period of the	Applications of the second of	TOTAL PHASE 4  268 Date -110%  TOTAL PHASE 4  TOTAL PHASE 45  TOTAL ESTIMATE  Date: Total completions  Total ryon	3 2 09/06/04 09/06/04 on Date: trative settleme	\$601,4 \$601,4 1.1000 1.2100 1.2310
Design conting (1) PD&E p (1) PD&E p VACQUISITIO Acquisition C LOCATION CO F Owner Tenant N Residential Business/Fan Personal Proj (Lines 28 thru Relocation Se  I Estate: M. Loadion: N. Residential Business/Fan Personal Proj (Lines 28 thru Relocation Se  I Estate: M. Loadion: N. Residential Residential Business/Fan Residential Business/Fan Residential Business/Fan Residential Business/Fan Residential Residentia	Anniel Trosper  uence #: Date Implicates the me actes the estimator's co pe A - Indicates the mo pe B - Indicates the lear ates the elaratment's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear ates the Department's co pe B - Indicates the lear	signed: Some in the above cost confidence average confidence average confidence	Number  0  Number  0  1  2  0  Number  0  0  1  1  \$200 (Not in the Amount of \$ shave been changed to the cored at 60% of land an estimate:	Applications of the second of	TOTAL PHASE 4  268 Date -110%  TOTAL PHASE 4  TOTAL PHASE 45  TOTAL ESTIMATE Date: D	3 2 09/06/04 09/06/04 on Date: trative settleme	\$2, \$601, 10% 1.1000 1.2100 1.3310 1.4641

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<u></u>			STRICT SE	VEN	RIGHT OF	WAY C	OST ESTI	MATE	HDR#:	N/A
FM#:	25786		Alternate:		SMF-B-1			District:		Seven
County: State Rd.:	N/A	orough	Segment: FAP#:		N/A			Date:		5-Nov-04
Project Des.		llen Road from Alex		to Pa	0295-005 rk Road & Park	Road from	m L4 to Sam	C.E. Sequence	•	N/A
Parcels	Gross	Net				rtougu moi		Relocatees:	• •	
Commercial	0	— <u> </u>					Business		0	
Residential	0	<del></del>					Residentia	!	0	
Unimproved		1.					Signs		0	
Total Parcels	1	' 1					Personal P Total Reloc			
R/W SUPPOR	T COSTS	(PHASE 41)	1				Trotal Reloc			
1. Direct Lab		(Parcels	- !	1 x	13,000	= · Rate	١	Amount 13,000		
2. Indirect O		(Parcels		1 x	0			13,000		
3.			1	_				TOTAL PHASE	41	\$13,000
R/W OPS (PH				_					Amount	0.0,000
4. Appraisal						1	Parcels	x 12,000 =	12,000	
		CPA Fees Through 1			_	0	Claims	× 19,000 =	0	
7. Expert Wi		rocess Servers	75%			= 1	Parcels	x 500 ×	500	
8. Mediators			75% 50%			• 1	Parcels Parcels	× 30,000 =	30,000	
		ate., Survey, etc.	1	• ^			_	x 2,400 = x 15,000 =	2,400 0	
10. Miscelland	eous Con	tracts				Ĭ	Per Project		15,000	
11. Appraisai	Fee Revie	9W	÷		-	1	Parceis	x 5,000 =	5,000	i
12.			1.3					TOTAL PHASE		\$64,900
R/W LAND CO	STS (PHA	ISE 43)						Amount	Subtotal	-
		s & Severance Dam	ages							
and Cost	to Cure A	mount		<u>x</u>	130%	• Design	plan stage	<b>-</b> 0		
14. Water Ret		Vit.	190,111	x			w/o R/W Aco			
15. SUBTOTA						(Lines 1			247,100	ł
16. Admin. Se			0%	~	0%	f Line 15)		= <u> </u>		
17. Litigation			60%	_	100%	f Line 15)		148,300	-	ľ
18. Business			0	_	\$0)		-	=0		1
19. Bus, Dama			25%		<u>\$ -</u> )		4	=0		
20. Owner App			1	-	<u>\$10,000</u> )		2	10,000		i
21. Owner CP.			0	-	\$10,000_)		:	0		
		(Sum of Lines 16, 17 & 19)		-				59,300		ì
		(Comm.+Unimp.)	0	-		x <u>18,000</u>	. •	18,000		ļ
24. Other Con- 25. SUBTOTAL		sts	1	_ X	\$500			500		1
26.	_					(Lines 1	6 thru 24)	<u> </u>	236,100	
	nanna la							TOTAL PHASE	43	\$483,200
									· · · · · · · · · · · · · · · · · · ·	4703,200
(1) PD&I	E plans - 1	or design plan stage. 130% (2) 30% plans	: - 125% (3) 6	0% pla	ans - 120% (4)	90% plan:	s -115% /5)			4403,200
(1) PD81	E plans - 1	130% (2) 30% plans	- 125% (3) 6	0% pl	ans - 120% (4)	90% plan	s -115% (5)			
(1) PD&I R/W ACQUISIT	E plans - 1 ION CON	130% (2) 30% plans SULTANT (PHASE 4:	- 125% (3) 6 2)		ans - 120% (4)	90% plan	s -115% (5)	268 Date -110%		
(1) PD&I R/W ACQUISIT 27. Acquisition	E plans - 1 ION CONS n Consulta	130% (2) 30% plans SULTANT (PHASE 4: ent-50% of parcels	- 125% (3) 6	0% pla		90% plan	s -115% (5)			\$0
(1) PD&I R/W ACQUISIT 27. Acquisition RELOCATION	E plans - 1 ION CON: n Consulta COSTS (P	130% (2) 30% plans SULTANT (PHASE 4: ent-50% of parcels	- 125% (3) 6 2)					268 Date -110%		
(1) PD&I RW ACQUISIT 27. Acquisition RELOCATION ( 28. Owner	E plans - 1 ION CON: n Consulta COSTS (P	130% (2) 30% plans SULTANT (PHASE 4: ant-50% of parcels HASE 45)	- 125% (3) 6 2)	х.	0		s -115% (5) Amount	268 Date -110%		
(1) PD&I RW ACQUISIT 27. Acquisition RELOCATION ( 28. Owner	E plans - 1 ION CONS n Consulta COSTS (P Replace	(30% (2) 30% plans SULTANT (PHASE 4: ent-50% of parcels HASE 45) ment Housing	- 125% (3) 6 2) \$20,000	x x	0 Number		Amount	268 Date -110%		
(1) PD&I RW ACQUISIT 27. Acquisition RELOCATION ( 28. Owner 29. Tenant	E plans - 1 ION CONS n Consulta COSTS (P Replace	(30% (2) 30% plans SULTANT (PHASE 4: ent-50% of parcels HASE 45) ment Housing	\$20,000 \$20,000 \$10,000	x x x	Number 0 0	= -	Amount 0	268 Date -110%		
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(1) PD&I RW ACQUISIT 27. Acquisition RELOCATION (28. Owner 29. Tenant 30. Residential 31. Business/F 32. Personal P	E plans - 1 ION CONS n Consulta COSTS (P Replace Move Coll Farm roperty	(30% (2) 30% plans SULTANT (PHASE 4: ent-50% of parcels HASE 45) ment Housing	\$20,000 \$20,000 \$10,000 \$1,500	x x x	Number 0 0	= -	Amount 0 0	268 Date -110%	42	\$0
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(1) PD&I RRW ACQUISITI RELOCATION (1) RELOCATION (1) RELOCATION (1) RESIDENT RELOCATION (1) RESIDENT RELOCATION (1) RESIDENT RELOCATION (1) R	E plans - 1 ION CONS IN CONSULTA COSTS (P Replace  Move Coll Farm roperty Intu 32)	(30% (2) 30% plans SULTANT (PHASE 4: ent-50% of parcels HASE 45) ment Housing	\$20,000 \$20,000 \$10,000 \$10,000 \$20,000	x x x	0 Number 0 0	= -	Amount 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	268 Date -110%	42	\$0
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(1) PD&I RRW ACQUISIT RELOCATION ( 28. Owner 28. Owner 29. Tenant 30. Residential 31. Business/F 32. Personal P 33. (Lines 28 ti 44. Relocation 45. 66. 77. Real Estate: bus. Dam. : telocation: verall Review: cost Estimate S EEMARKS:	Daniel Tills equence Administrate Constant (Constant) Move Constant (Constant) Americant (Con	(2) 30% plans SULTANT (PHASE 4: wht-50% of parcels HASE 45) ment Housing  costs  Cost  Cost  Tosper  #: Dated: rative settlements a iddred to be zero, wi revision of the estin Mitch Blanco.	- 125% (3) 6 \$20,000 \$20,000 \$10,000 \$1,500 \$20,000 \$2,000 \$2,000 \$2,000 Signed:	x x x x x x x x x x x x x x x x x x x	Number  0 0 1 \$200  Samuel  Amount of \$i have been che at 60% of ith the size of the size	(Not in P	Amount  0 0 2,000 hase Total)  All Phases)  Deflect one own mprovement educed from	TOTAL PHASE  TOTAL PHASE  TOTAL ESTIMA  Date: Date: Date: Date: Date: Late Input Comple vership. Admin 1s. 2.25 acres to 1.5	42 15 11/05/04 11/05/04 tion Date: Istrative settler acres, accordi	\$2,000 \$563,100
(1) PD&I RRW ACQUISIT RELOCATION ( 28. Owner 28. Owner 29. Tenant 30. Residential 31. Business/F 32. Personal P 33. (Lines 28 ti 44. Relocation 15. 16. 17. 18. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	Eplans - 1 ION CONST ION CONST Replace  Move Co Farm roperty rru 32) Services  Daniel Ti N/A N/A Daniel Ti Sequence Administ are const This is a Designer  dicates th Type A - 1	(2) 30% plans SULTANT (PHASE 4: ent-50% of parcels HASE 45) ment Housing  costs  Cost  Cost  Tosper  #: Dated: trative settlements a decred to be zero, wirevision of the estin Mitch Blanco.	- 125% (3) 6 \$20,000 \$20,000 \$10,000 \$1,500 \$2,000 \$2,000 \$2,000 \$2,000  Signed:	x x x x x x x x x x x x x x x x x x x	Number  0 0 1 \$200  Samuel  Amount of \$i have been che at 60% of ith the size of the size	(Not in P	Amount  0 0 0 2,000 hase Total)  All Phases)  Deflect one ownprovement educed from	TOTAL PHASE  TOTAL PHASE  TOTAL ESTIMA  Date: Date: Date: Date: Date: Late input Comple vnership. Admin s. 2.25 acres to 1.5	42 15 11/05/04 11/05/04 tion Date: Istrative settler acres, accordi	\$2,000 \$563,100 ments ing to Pond
(1) PD&I RRW ACQUISIT 27. Acquisition RELOCATION (2) 28. Owner 29. Tenant 30. Residential 31. Business/F 32. Personal P 33. (Lines 28 tf 44. Relocation 35. (6) 36. (7) 36. Real Estate: Bus. Dam.: Bus. D	Eplans - 1 ION CONSI ON CONSI	(2) 30% plans SULTANT (PHASE 4: ment-50% of parcels HASE 45) ment Housing  osts  Cost  Tosper  #: Dated: rative settlements a idered to be zero, w revision of the estin Mitch Blanco.	- 125% (3) 6 2) \$20,000 \$10,000 \$1,500 \$2,000 \$2,000 \$2,000 \$2,000 Signed:	x x x x x x x x x x x x x x x x x x x	Number  0 0 1 \$200  Samuel  Amount of \$i have been che at 60% of ith the size of the size	(Not in P	Amount  0 0 2,000 hase Total)  All Phases)	TOTAL PHASE  TOTAL PHASE  TOTAL PHASE  TOTAL ESTIMA  Date: D	42 15 11/05/04 11/05/04 tion Date: Istrative settler acres, accordi	\$2,000 \$563,100 nents ing to Pond
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(1) PD&I RRW ACQUISIT RELOCATION ( 28. Owner 28. Owner 29. Tenant 30. Residential 31. Business/ 32. Personal P 33. (Lines 28 ti 44. Relocation 45. 36. (7. 36. (8. (8. (8. (8. (8. (8. (8. (8. (8. (8	Daniel Ti NiA Daniel Ti Sequence Administ are const This is a Designer  dicates th Type A - 1 Type B - 1 Type C - 1 Type C - 1 Type C - 1	(2) 30% plans SULTANT (PHASE 4: ment-50% of parcels HASE 45) ment Housing  osts  Cost  Tosper  #: Dated: rative settlements a idered to be zero, w revision of the estin Mitch Blanco.	\$20,000 \$20,000 \$10,000 \$1,500 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000	x x x x x x x x x x x x x x x x x x x	Number  0 0 1 \$200  Samuel  Amount of \$i have been che at 60% of ith the size of the size	(Not in P	Amount  0 0 0 2,000 hase Total)  All Phases)  Deflect one ownprovement educed from Yes	TOTAL PHASE  TOTAL PHASE  TOTAL PHASE  TOTAL ESTIMA  Date: Date: Date: Date: Date: Lata Input Comple vnership. Admin Is. 2.25 acres to 1.5  ature Value Facto par One par Two par Three par Four	42 15 11/05/04 11/05/04 tion Date: Istrative settler acres, accordi	\$2,000 \$563,100 \$563,100 nents ing to Pond 1.1000 1.2100 1.3310 1.4641
(1) PD&I RRW ACQUISTI RRELOCATION ( 28. Owner 28. Owner 29. Tenant 30. Residential 31. Business/F 12. Personal P 13. (Lines 28 ti 14. Relocation 15. 16. 17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18.	Eplans - 1 ION CONST ION CONST Replace  Move Collar Gram roperty aru 32) Services  Daniel Ti N/A N/A Daniel Ti Sequence Administ are const This is a Designer  dicates th Type A - 1 Type C - 1 Type D - 1	rosper  #: Dated: rative settlements a detect to be zero, wirevision of the estimator's conficienticates the most clindicates the most clindicates the least of a discrete the	\$20,000 \$20,000 \$10,000 \$1,500 \$2,000 \$1,500 \$2,000 \$2,000 \$2,000 \$2,000	x x x x x x x x x x x x x x x x x x x	Number  0 0 0 1 \$200  Tayner  Amount of \$ is have been chored at 60% of ith the size of the state of the stat	(Not in P	Amount  0 0 0 2,000 hase Total)  All Phases)  Deflect one ownprovement educed from Yes	TOTAL PHASE  TOTAL PHASE  TOTAL PHASE  TOTAL ESTIMA  Date: Date: Date: Date: Date: 2.25 acres to 1.5  Date: Complete of the period of the peri	42 15 11/05/04 11/05/04 tion Date: Istrative settler acres, accordi	\$2,000 \$2,000 \$563,100 ments ing to Pond 1.1000 1.2100 1.3310
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(1) PD&I RRW ACQUISTI RELOCATION ( 28. Owner 29. Tenant 30. Residential 31. Business/F 32. Personal P 33. (Lines 28 ti 34. Relocation 15. 16. 17. Real Estate: Bus. Dam. : Relocation: Overall Review: Cost Estimate S EEMARKS:	Daniel Tr. N/A N/A Daniel Tr. N/A Daniel Tr. N/A Daniel Tr. N/A Daniel Tr. Designer	Cost	\$20,000 \$20,000 \$10,000 \$1,500 \$2,000 \$1,500 \$2,000 \$2,000 \$2,000 \$2,000	x x x x x x x x x x x x x x x x x x x	Number  0 0 0 1 \$200  Trupper  Amount of \$ in the been chored at 60% of ith the size of the state of the stat	(Not in P	Amount  0 0 2,000 hase Total)  All Phases)  Prefect one own meduced from the desired from t	TOTAL PHASE  TOTAL PHASE  TOTAL PHASE  TOTAL ESTIMA  Date: Total Input Comple viceship. Admin s. 2.25 acres to 1.5	42 15 11/05/04 11/05/04 tion Date: Istrative settler acres, accordi	\$2,000 \$563,100 \$563,100 nents ing to Pond 1.1000 1.2100 1.3310 1.4641
(1) PD&I RRW ACQUISIT RELOCATION ( 28. Owner 28. Owner 28. Owner 29. Tenant 30. Residential 31. Business/r 32. Personal P 33. (Lines 28 ti 44. Relocation 55. 66. 77. 8eal Estate: bus. Dam. : telocation: overall Review: cost Estimate S EMARKS:	Daniel Tr. N/A N/A Daniel Tr. N/A Daniel Tr. N/A Daniel Tr. N/A Daniel Tr. Designer	Cost	\$20,000 \$20,000 \$10,000 \$1,500 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 signed: sign	x x x x x x x x x x x x x x x x x x x	Number  0 0 0 1 \$200  Trupper  Amount of \$ in the been chored at 60% of ith the size of the state of the stat	(Not in P	Amount  0 0 2,000 hase Total)  All Phases)  Prefect one own meduced from the desired from t	TOTAL PHASE  TOTAL PHASE  TOTAL PHASE  TOTAL ESTIMA  Date: Total Input Comple viceship. Admin s. 2.25 acres to 1.5	42  45  11/05/04  11/05/04  tion Date: Istrative settler acres, accordi	\$2,000 \$563,100 \$563,100 nents ing to Pond 1.1000 1.2100 1.3310 1.4641

9.-} 6.-}



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FM#:	257862	v	DISTRICT	SEVEN	RIGHT OF	WAY C	OST ESTI	MATE	HDR#:	15383-05
County	Hillsbor	• .	Alterna Segme	te:	SMF-B-2 N/A			District:		Seven
State Rdv Project Des.	N/A		FAP#		0005.005			Date:		7-Sep-04
Parcels	Gross	en Road from A	lexander St.	Ext. to Par	k Road & Par	k Road fron	n I-4 to Sam	C.E. Sequence Allen	е,	N/A
Commercial	0	0					Estimated F	Relocatees:		
Residential	-0	0					Business Residential		0	
Unimproved	1	1					Signs		0	
Total Parcels	11	1		`			Personal Pr	operty	0	
R/W SUPPORT	COST	PHASE 41)		<del></del>			Total Reloca	atees		
1. Direct Labor	Cost \	(Parcels		_ 1 x	13.000	_ =		Amount		
2. Indirect Over	rhead	(Parcels	4			≔ Rate) ≃ Rate)		13,000		
3.				· .		·		TOTAL PHASE		
R/W OPS (PHAS	E 4B)	: <b>\</b> .						LIOTAL PHASE		\$13,0
5. Business Da	ioan s. 29: 13 ansm	ugn Thai	ata was a			1	Parcels 3	12,000 =	Amount	
o. Court Kebot	ter & Pro	cess:Servers.		750/			Claims 2	,		
/ Expert Witne	ss	1.		75% x 75% x	$-\frac{1}{1}$	= 1 = 1	Parcels >		500	
8. Mediators 9. Demolition	Anh Ah-	· . \		50% x			Parcels >	,	30,000	•
10. Miscellaneou	us Contr	ite., Survey, etc.			<del></del>		Impromet x	-,	2,400	
11. Appraisal Fe	e Review	v .		•		1	Per Project x	15,000 =	15,000	
12.			N.			1	Parcels x		5.000	
RW LAND COST	S (PHAS	E-43)	1	<del>, i</del>				TOTAL PHASE	4B.	\$64,90
<ol><li>Land, Improv</li></ol>	ements	& Severance Da	amages\					Amount	Subtotal	
and:Cost.to	Cure Am	ount	/	0 x	130%	* Design =	olan stage. =			
4. Water Retent	ion & Mi	<b>L</b>	440,		130% (	Design p Description	van stage = v/o.R/W.Acq)			•
5. SUBTOTAL 6. Admin. Settle	mont (	<b>0-4</b>		<b>\</b>		(Lines 13		572,600	<b></b>	
7. Litigation Aw	menti (F.	actor	<u> </u>	<u>0%,</u> x	0%_c	of Line 15)	=		572,600	
8. Business Dar	manos (r:	actor	6	0% x	100% c	of Line 15)	=	343,600		
9. Bus. Damage	silner (F:	actor '	· ——	<u> </u>	\$0)		=	0		
<ol><li>Owner Appr. 1</li></ol>	Fees (Pa	arcele ·			\$ - )		=	0		
<ol> <li>Owner CPA F</li> </ol>	ees (C)	laime "		$\frac{1}{0}$ x	\$10,000 ) \$10,000 )	:	=	10,000		
2: Defend:Atty F	ees (şu	 m of Lines 16, 17 &	19) 343,6		40%)			0		
». Owner Expert	With (C	Omm +Heime 1		0 +		x_18,000	=.	137,400		
4. Other Conden 5. SUBTOTAL	nn. Costs	5		.1 x	\$500	v_10,000		18,000		
6.		•			1	(Lines 16	thru 24) =	500		
Design continue	move for	docion nion -t-			A.				509,500	
					***		₽-	TOTAL DUACE	10	
(1) PD&E pl	ans - 130	)% (2) 30% niai	ge: ns = 125% (2)	600/ -1			Ľ	TOTAL PHASE 4	13	\$1,082,100
W ACQUISITION	CONSU	)% (2) 30% plai LTANT (PHASE	ns - 125% (3)	60% plan	s - 120% (4)	90% plans	<u>-115% (5)</u> 20	TOTAL PHASE 4 58 Date -110%	13	\$1,082,100
W ACQUISITION Acquisition Co	CONSU Consultant	)% (2) 30% plai LTANT (PHASE -50% of parcels	ns - 125% (3) 42)			90% plans	-115% (5) 20	58 Date -110%		\$1,082,100
W ACQUISITION Acquisition Co	CONSU Consultant	)% (2) 30% plai LTANT (PHASE -50% of parcels	ns - 125% (3)		os - 120% (4)	90% plans	-115% (5) 20	58 Date -110%		
W ACQUISITION Control	CONSU CONSU Consultant CTS (PHA	0% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45)	ns - 125% (3) 42)		0	A.	-115% (5) 20	TOTAL PHASE 4 58 Date -110% TOTAL PHASE 4		\$1,082,100 \$0
(1) PDGE pl. W ACQUISITION C. Acquisition Cos ELOCATION COs Re G. Owner	CONSU CONSU Consultant CTS (PHA	)% (2) 30% plai LTANT (PHASE -50% of parcels	ns - 125% (3) 42) \$20,00	00 x	0 Number	The second second	-115% (5) 20	58 Date -110%		
W ACQUISITION Acquisition Co ELOCATION COS Re B. Owner D. Tenant	ans - 130 CONSU prisultant STS (PHA eplaceme	1% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45) ent Housing	ns - 125% (3) 42)	00 x	0		-115% (5) 20	58 Date -110%		
W ACQUISITION  Acquisition Cost  ELOCATION COST  Resolution  Tenant  Mod. Residential	CONSU consultant onsultant ors (PHA eplacement	1% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45) ent Housing	\$20,00 \$20,00 \$20,00	00 x	0 Number 0	The second second	-115% (5) 20	58 Date -110%		
W. ACQUISITION V. Acquisition Co ELOCATION COS ONN ON	CONSU CONSU CONSUltant CTS (PHA Pplacement	1% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45) ent Housing	\$20,00 \$20,00 \$10,00 \$10,00	00 x	Number 0 0	=	-115% (5) 20 [	58 Date -110%		
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W ACQUISITION  Acquisition Co  ELOCATION COS  Re  Owner  Tenant  Mo  Residential  Business/Farm  Personal Prope  (Lines 28 thru	CONSU CONSUltant GTS (PHA eplacement ove Cost	% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45) ent Housing	\$20,00 \$20,00 \$10,00 \$10,00	00 x	Number 0 0	=	-115% (5) 20	68 Date -110% FOTAL PHASE 4	2	
W ACQUISITION  7. Acquisition Co ELOCATION COS 8. Owner 9. Tenant Mo 1. Residential 9. Business/Farm Personal Propi (Lines 28 thru Relocation Ser	CONSU CONSUltant GTS (PHA eplacement ove Cost	% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45) ent Housing	\$20,00 \$20,00 \$20,00 \$10,00 \$1,55 \$20,00	00 x	Number 0 0 0 0 0 0	= = = = = = = = = = = = = = = = = = = =	-115% (5) 20	58 Date -110%	2	
MACQUISITION  Acquisition Co  ELOCATION COS  Owner  Tenant  Mo  Residential  Business/Farm  Personal Propu  (Lines 28 thru:  Relocation Ser	CONSU CONSUltant GTS (PHA eplacement ove Cost	% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45) ent Housing	\$20,00 \$20,00 \$20,00 \$10,00 \$1,55 \$20,00	00 x	0 Number 0 0 0	= = = = = = = = = = = = = = = = = = = =	-115% (5) 20	68 Date -110% FOTAL PHASE 4	2	\$0
W ACQUISITION ACQUISITION ACQUISITION COS BLOCATION COS COMMEN CO	CONSU CONSUltant GTS (PHA eplacement ove Cost	% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45) ent Housing	\$20,00 \$20,00 \$20,00 \$10,00 \$1,55 \$20,00	00 x	0 Number 0 0 0	= = = = = = = = = = = = = = = = = = = =	-115% (5) 20	68 Date -110% FOTAL PHASE 4	2	\$0
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W ACQUISITION Acquisition Co ELOCATION COS Re Owner Tenant M Residential Business/Farm Personal Prope (Lines 28 thru Relocation Ser	CONSU consultant over Cost over Cost erty 32)	% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45) ent Housing	\$20,00 \$20,00 \$10,00 \$15,00 \$20,00 \$1,50 \$20,00 \$20,00	00 x	0 Number 0 0 0	= = = = = = = = = = = = = = = = = = =	-115% (5) 20	OTAL PHASE 4	5 5	\$0
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W ACQUISITION ACQUISITION CELOCATION COS COWNER Tenant Mo Residential Business/Farm Personal Prop (Lines 28 thru: Relocation Ser  Al Estate: Business / Farm Amail	cONSU consultant onsultant orse (PHA pplaceme ove Cost perty 32) vices Co	% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45) ent Housing s	\$20,00 \$20,00 \$10,00 \$10,00 \$1,50 \$2,00 \$2,00 \$2,00 \$1,50 \$2,00	00 x	0 Number 0 0 0	= = = = = = = = = = = = = = = = = = =	-115% (5) 20	OTAL PHASE 4	5 5	\$0 \$2,000
W ACQUISITION W ACQUISITION ACQUISITION COSELOCATION COSE	ans - 130 CONSU CONSUITANT CONSUI	7% (2) 30% plai LTANT (PHASE -50% of parcels ASE 45) ent Housing s	\$20,00 \$20,00 \$10,00 \$150,00 \$1,50 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00	00 x	0 Number 0 0 0	= = = = = = = = = = = = = = = = = = =	-115% (5) 20	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATION  Date: Date:	5 5	\$0 \$2,000
W ACQUISITION W ACQUISITION Acquisition Co ELOCATION COS Re Owner Tenant Mc Residential Business/Farm Personal Prom (Lines 28 thru Relocation Ser al Estate: Ma s. Dam.: N// cocation: N// crall Review: Dan the Estimate Sequential	ans - 130 CONSU  consultant consu	% (2) 30% plai LTANT (PHASE 50% of parcels ASE 45) ent Housing s s st	\$20,00 \$20,00 \$10,00 \$10,00 \$150,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00	00 x 00 x 00 x 00 x 00 x	0 Number 0 0 0 1 \$200	(Not in Pha	2000 Task Totals	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI Date: Date: Date: Date: Date:	5 09/06/04	\$2,000 \$2,000 \$1,162,000
W ACQUISITION COSELOCATION COSE	cONSU consultant strs (PHA pplaceme ove Cost erty vices Co vices Co	% (2) 30% plai LTANT (PHASE 50% of parcels ASE 45) ent Housing s st	\$20,00 \$20,00 \$10,00 \$150,00 \$150,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00	00 x 00 x 00 x 00 x 00 x 00 x	Number 0 0 0 1 \$200	(Not in Pha	Application of the control of the co	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI Date:	5 09/06/04	\$2,000 \$2,000 \$1,162,000
W ACQUISITION COSELOCATION COSE	cONSU consultant strs (PHA pplaceme ove Cost erty vices Co vices Co	% (2) 30% plai LTANT (PHASE 50% of parcels ASE 45) ent Housing s st	\$20,00 \$20,00 \$10,00 \$150,00 \$150,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00	00 x 00 x 00 x 00 x 00 x 00 x	Number 0 0 0 1 \$200	(Not in Pha	Application of the control of the co	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI Date:	5 09/06/04	\$2,000 \$2,000 \$1,162,000
W ACQUISITION COSELOCATION COSE	cONSU consultant strs (PHA pplaceme ove Cost erty vices Co vices Co	% (2) 30% plai LTANT (PHASE 50% of parcels ASE 45) ent Housing s s st	\$20,00 \$20,00 \$10,00 \$150,00 \$150,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00	00 x 00 x 00 x 00 x 00 x 00 x	Number 0 0 0 1 \$200	(Not in Pha	Application of the control of the co	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI Date:	5 09/06/04	\$2,000 \$2,000 \$1,162,000
W ACQUISITION COSELOCATION COSE	cONSU consultant strs (PHA pplaceme ove Cost erty vices Co vices Co	% (2) 30% plai LTANT (PHASE 50% of parcels ASE 45) ent Housing s st	\$20,00 \$20,00 \$10,00 \$150,00 \$150,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00	00 x 00 x 00 x 00 x 00 x 00 x	Number 0 0 0 1 \$200	(Not in Pha	Application of the control of the co	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI Date:	5 09/06/04	\$2,000 \$2,000 \$1,162,000
W ACQUISITION COSELOCATION COSE	cONSU consultant strs (PHA pplaceme ove Cost erty vices Co vices Co	% (2) 30% plai LTANT (PHASE 50% of parcels ASE 45) ent Housing s st	\$20,00 \$20,00 \$10,00 \$150,00 \$150,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00	00 x 00 x 00 x 00 x 00 x 00 x	Number 0 0 0 1 \$200	(Not in Pha	Application of the control of the co	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI Date:	5 09/06/04	\$2,000 \$2,000 \$1,162,000
W ACQUISITION COS  LOCATION COS  COWNET  Tenant  Mc  Residential  Business/Farm  Personal Propul  (Lines 28 thru  Relocation Ser  All Estate: Ma  Location: N//  pocation: N//  rall Review: Dat  t Estimate Sequ	cONSU consultant strs (PHA pplaceme ove Cost erty vices Co vices Co	% (2) 30% plai LTANT (PHASE 50% of parcels ASE 45) ent Housing s st	\$20,00 \$20,00 \$10,00 \$150,00 \$150,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00	00 x 00 x 00 x 00 x 00 x 00 x	Number 0 0 0 1 \$200	(Not in Pha	Application of the control of the co	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI Date:	5 09/06/04	\$2,000 \$2,000 \$1,162,000
W ACQUISITION COS  COMMERT  COMMERT  COMMERT  COMMERT  COMMERT  COMMERT  COMMERT  MAC  Residential  Business/Farm  Personal Propiet  (Lines 28 thru  Relocation Ser  All Estate: Ma  S. Dam.: N//  Cocation: N//  Cocati	cONSU consultant strs (PHA pplaceme ove Cost erty vices Co vices Co	% (2) 30% plai LTANT (PHASE 50% of parcels ASE 45) ent Housing s st	\$20,00 \$20,00 \$10,00 \$150,00 \$150,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00	00 x 00 x 00 x 00 x 00 x 00 x	Number 0 0 0 1 \$200	(Not in Pha	Application of the control of the co	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI Date:	5 09/06/04	\$2,000 \$2,000 \$1,162,000
W ACQUISITION ACQUISITION COS ELOCATION COS Owner Tenant Mc Residential Business/Farm Personal Propic (Lines 28 thru Relocation Ser  al Estate: Ma s. Dam.: N// ocation: N// erall Review: Dan at Estimate Sequ MARKS: Adi	cONSU consultant strs (PHA epilaceme ove Cost erty vices Co vices Co niel Tros ence #:	7% (2) 30% plai LTANT (PHASE 50% of parcels ASE 45) ent Housing s s st kson per Dated: ive settlements red to be zero, n	\$20,00 \$20,00 \$10,00 \$10,00 \$150,00 \$20,00 \$	00 x	Number 0 0 0 1 \$200  Amount of \$ ave been chaed at 60% of 1	(Not in Pha	Application of the control of the co	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI Date:	5 09/06/04	\$2,000 \$2,000 \$1,162,000
W ACQUISITION W ACQUISITION COS ELOCATION COS OWNER OW	cONSU possultant arts (PHA pplaceme pove Cost party 32) vices Co rilyn Jac niel Tros ence #: ninistrat conside	2. 30% plai LTANT (PHASE 50% of parcels ASE 45) ent Housing s st  kson  Per  Dated: ive settlements red to be zero, n	\$20,00 \$20,00 \$10,00 \$15,00 \$20,00 \$2	00 x	Number 0 0 0 1 \$200  Amount of \$ ave been chaed at 60% of 1	(Not in Pha	Application of the control of the co	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI  Date:	5 09/06/04 09/06/04 ion Date:	\$2,000 \$1,162,000 ents
W ACQUISITION W ACQUISITION COSTOR Residential Residential Business/Farm Personal Prope (Lines 28 thru Relocation Ser  al Estate: Mass. Dam.: N// Perall Review: Dan at Estimate Sequential MARKS: Add are	consultants ove Cost cove	2. 30% plai LTANT (PHASE 50% of parcels USE 45) ent Housing s sst  kson  per  Dated: ive settlements red to be zero, not b	\$20,00 \$20,00 \$20,00 \$10,00 \$1,50 \$20,00 \$20	00 x	Number 0 0 0 1 \$200  Amount of \$ ave been chaed at 60% of 1	(Not in Pha	Jount 0 0 0 2000 asse Totals The Company of the Com	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI  Date: Date: Date: Date: a Input Completi ership. Adminis	5 09/06/04 09/06/04 ion Date:	\$2,000 \$1,162,000
W ACQUISITION Acquisition Co ELOCATION COS Re Owner Tenant Mc Residential Business/Farm Personal Prope (Lines 28 thru Relocation Ser  Relocation: N// erall Review: Dar st Estimate Sequ WARKS: Add are  following indica Typ Typ	ans - 130 CONSU onsultant	LTANT (PHASE 50% of parcels ASE 45) ent Housing s s st  LTANT (PHASE LOW ASE L	\$20,00 \$20,00 \$10,00 \$10,00 \$1,50 \$20,00 \$10,00 \$1,50 \$20,00 \$2,00 \$2,00 \$2,00  Signed:	00 x	Number 0 0 0 1 \$200  Amount of \$ ave been chaed at 60% of 1	(Not in Pha	Application of the control of the co	OTAL PHASE 4  OTAL PHASE 4  OTAL PHASE 4  Date: Date: Date: Date: Date: Date: Date: One	5 09/06/04 09/06/04 ion Date:	\$2,000 \$2,000 \$1,162,000 ents
W ACQUISITION  Acquisition Co  ELOCATION COS  Comer  Tenant  Mc Residential Business/Farm Personal Prop  (Lines 28 thru and the control of th	ans - 130 CONSU consultant STS (PHA eplacement cove Cost	LTANT (PHASE 50% of parcels SE 45) ent Housing s s st  kson  per  Dated: ive settlements red to be zero, or cates the most icates above av icates below av icates below av	\$20,00 \$20,00 \$10,00 \$10,00 \$15,00 \$20,00 \$10,00 \$1,50 \$20,00 \$2,00 \$2,00 \$2,00 Signed: Signed	100 x	Number 0 0 0 1 \$200  Amount of \$ ave been chaed at 60% of 1	(Not in Pha	Data  Futur  Year  Year  Year  Year	OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI  Date: Date: Date: ale: Date: alput Completi ership. Adminis	5 09/06/04 09/06/04 ion Date:	\$2,000 \$1,162,000 \$1,162,000 1.1000 1.2100
W ACQUISITION  Acquisition Co  Acquisition Co  Re Owner Tenant  Mc Residential Business/Farm Personal Prope (Lines 28 thru Relocation Ser  Acquisition Co  Residential Business/Farm Mc Reside	rilyn Jac  Lange Consultant  STS (PHA	LTANT (PHASE 50% of parcels LTANT (PHASE 50% of parcels LSE 45) ent Housing  s  st  kson  per  Dated: ive settlements red to be zero, not be zero, n	\$20,00 \$20,00 \$10,00 \$10,00 \$1,50 \$20,00 \$1,50 \$20,00 \$2,00 \$2,00 \$2,00 \$2,00  signed: Signed: Signed: Signed: Signed: Signed: Signed: or no confidence erage confidence erage confiderage or no	100 x	Number 0 0 0 1 \$200  Amount of \$ lave been chaed at 60% of 1	(Not in Pha	Data  Provements.	OTAL PHASE 4  OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI  Date: Date: Date: Date: Date: The complete control of the control of	5 09/06/04 09/06/04 ion Date:	\$2,000 \$1,162,000 \$1,162,000 1.2100 1.3310
W ACQUISITION Acquisition Co ELOCATION COS CELOCATION COS CELOCATI	onsultants	LTANT (PHASE 50% of parcels LTANT (PHASE 50% of parcels LSE 45) ent Housing  s  st  kson  per  Dated: ive settlements red to be zero, not be zero, n	\$20,00 \$20,00 \$10,00 \$10,00 \$1,50 \$20,00 \$1,50 \$20,00 \$2,00 \$2,00 \$2,00 \$2,00  signed: Signed: Signed: Signed: Signed: Signed: Signed: or no confidence erage confidence erage confiderage or no	100 x	Number 0 0 0 1 \$200  Amount of \$ lave been chaed at 60% of 1	(Not in Pha	Data  Futur  Year  Year  Year  Year	OTAL PHASE 4  OTAL PHASE 4  OTAL PHASE 4  OTAL ESTIMATI  Date: Date: Date: Date: Date: The complete control of the control of	5 09/06/04 09/06/04 ion Date:	\$2,000 \$1,162,000 \$1,162,000 1.1000 1.2100
W ACQUISITION W ACQUISITION Acquisition Co ELOCATION COS Owner Tenant Mo Residential Business/Farm Personal Prom Personal Prom (Lines 28 thru 3 Relocation Ser Relocation Ser I Estimate Sequ MARKS: Add Ark Ark following indica Typ Typ X Typ	onsultants	LTANT (PHASE 50% of parcels LTANT (PHASE 50% of parcels LSE 45) ent Housing  s  st  kson  per  Dated: ive settlements red to be zero, not be zero, n	\$20,00 \$20,00 \$10,00 \$10,00 \$1,50 \$20,00 \$1,50 \$20,00 \$2,00 \$2,00 \$2,00 \$2,00  signed: Signed: Signed: Signed: Signed: Signed: Signed: or no confidence erage confidence erage confiderage or no	100 x	Number 0 0 1 \$200  Amount of \$ ave been chaed at 60% of I	(Not in Pha	Date Spear Year Year Year Year Year Year	OTAL PHASE 4  OTAL PHASE 4  OTAL PHASE 4  OTAL PHASE 4  Date: Date: Date: Date: Date: Date: The complete of the control of the	5 09/06/04 09/06/04 ion Date:	\$2,000 \$1,162,000 \$1,162,000 1.000 1.2100 1.310 1.4641

		D	FLORIDA D	EPA VEN	ARTMENT OF	F TRAN	SPORTAT	ION MATE	HDR#:	N/A
FM#: County: State Rd.:	257862 1 Hillsboro		Alternate: Segment:		SMF-B-2 N/A			District: Date:		Seven 5-Nov-04
Project Des.	N/A Sam Alle	n Road from Alex	FAP#: cander St. Ext.	to Pa	0295-005 irk Road & Park	Road fro	m I-4 to Sam	C.E. Sequence		N/A
Parceis Commercial Residential Unimproved	Gross 0 0	0 0 1			,		Estimated F Business Residential Signs	Refocatees:	0	
Total Parcels	1	1					Personal Pr Total Reloc			
R/W SUPPORT  1. Direct Labor		HASE 41) (Parcels		×	12 000	. Dete		Amount	······································	
2. Indirect Ov		(Parcels		<u> </u>	13,000			13,000 0		
3. R/W OPS (PHA	SE 4B)		<del>-</del>	_	<del></del>			TOTAL PHASE	41 Amount	\$13,00
4. Appraisal I 5. Business I	Fees Throu Damage CP	igh Trial 'A Fees Through i	Trial			1 0		x 12,000 = x 19,000 =	12,000	
6. Court Repo	orter & Pro	cess Servers	75% 75%		1 1	• 1	Parcels	x 500 =	0 500	
8. Mediators			50%			1		x 30,000 = x 2,400 =	30,000 2,400	
10. Miscellane	ous Contra					0 1	Impromet of Per Project of		0 15,000	
<ol> <li>Appraisal F</li> <li>12.</li> </ol>	Fee Review		į .			1	Parcels x	5,000 =	5,000	£64.00
R/W LAND COS									Subtotal	\$64,90
13. Land, Impro		& Severance Dam ount	ages 0	x	130%	Design	plan stage  ≈	. ^		
14. Water Rete		<u>.</u>	427,042	-			w/o R/W Acq)			
15. SUBTOTAL 16. Admin. Seti		actor	0%	x	0% o	Lines 1) (Line 15)	3 &14) =	. 0	555,200	
17. Litigation A	wards (Fa	actor	60%	x	100% o	f Line 15)	-	333,100		
18. Business D 19. Bus. Damag			25%		\$ - }		=	0		
20. Owner Appi 21. Owner CPA			. 1	×	\$10,000 }		-	10,000		
		izims m of Lines 16, 17 & 19	333,100	×	\$10,000 ) \$0% )		=	133,200		•
23. Owner Expe 24. Other Cond			0	+	1):	x <u>18,000</u>	=	18,000		
25. SUBTOTAL			1	×	\$500	(Lines 1	= = (6 thru 24	500	494,800	
26. ' Design contin	gency for	design plan stage	•					TOTAL PHASE		\$1,050,000
(1) PD&E	plans - 130	)% (2) 30% plans	- 125% (3) 60	% pl	ans - 120% (4)	90% pian	s -115% (5) 2	268 Date -110%		
7. Acquisition		LTANT (PHASE 4: -50% of parcels	2) \$20,000	x	0			TOTAL PHASE	42	
RELOCATION C	OSTS (PH/	ASE 45)				7		TOTAL TIAGE	74.	\$0
8. Owner	Replacem	ent Housing	\$20,000	x	Number 0	_	Amount 0			
9. Tenant	Move Cost	5	\$10,000	x ]	0		0			
0. Residential 1. Business/Fa		-	\$1,500	× .	0	.= _	0			
2. Personal Pro	operty		\$20,000 \$2,000	X.	<u>0</u>	-	2,000			
<ol> <li>(Lines 28 thr</li> <li>Relocation S</li> </ol>		net			\$200	/No4 !- D		TOTAL PHASE 4	5	\$2,000
5.					\$200	(NOL IN P	hase Total)		<del></del>	
6. 7.							All Phases	TOTAL ESTIMAT		4440
eal Estate:	Daniel Tros	per	Signed:	Och	luge		, ut ( ((4562) )	Date:	11/05/04	\$1,129,900
	N/A N/A		Signed: _					Date:		
verall Review:	Daniel Tros	per	Signed:	194	Tam			Date: Date:	11/05/04	
ost Estimate Se		Dated:	:		e Amount of \$		Da	ta Input Comple	tion Date:	
1	This is a re	live settlernents a red to be zero, w vision of the prev signer Mitch Blan	nne nagation i lous estimate,	s ract	cred at 60% of	and and I	mprovemente	•		
		estimator's confic		ove e	estimate:			ture Value Facto	rs @	10%
T	Type B - Inc	licates the most c licates above ave	rage confidenc					ar One . ar Two		1.1000 1.2100
		licates below aver licates the least o						ar Three ar Four		1.3310
			!		-			ar Five		1.6105
ork Program Up		Department's pun	pose for this e Gaming 1:	stima		Special Po	urpose:	<u> </u>	ocs to RW:	
omments:			1				1=209 c-			
		-						312		



FM#: County: State Rd.:						OST ESTIN		HDR#:	15383-05
State Rd.:	257862 1 Hillsborough	Alternate:	S	MF-C-1		· · · · · · ·	District:		Seven
	N/A	Segment: FAP#:	0.	/A 295-005			Date:		7-Sep-04
Project Des.	Sam Allen Road from	Alexander St. Ext	to Park F	load & Park	Road from	m:L4 to Sam	C.E. Sequenc	e .	N/A
Parcels Commercial	Gross Met				rio da Iro	Estimated R	elocatees:		
Residential	0 0			•		Business		. 0	
Unimproved	1 1	-				Residential		0	
						Signs		0	
rotal Parcels	1 1					Personal Pro Total Reloca		1	
W SUPPORT	COSTS (PHASE 41)	•					Amount	1	
<ol> <li>Direct Labo</li> <li>Indirect Ove</li> </ol>	(		<u>1</u> x _	13,000 =	= Rate	)	13,000		
3.	Parcels (Parcels	·	<u>1</u> x	=	- Rate	)	0	•	
VW OPS (PHAS	SE 4D)						TOTAL PHAS	E 41	\$
4. Appraisal F	ees Through Trial					. 7		Amount	
5. Business D	amage CPA Fees Thro	unh Triel			1	Parcels )	,	12,000	
o. Court Repo	rter & Process Servers	75°	6 x	1 -	. 1	Claims )	,		
<ol><li>Expert Witn</li></ol>	less	759		<del></del> -	. 1	Parcels )			
3. Mediators 3. Demolition	Ach Abata :	FOR		1 =	1	Parcels )	,		
0. Miscellaneo	Asb. Abate., Survey, et	ic.			o.	Imprvmet >	15,000 =		
1. Appraisal F	ee Review				1	Per Project x	15,000 =	15,000	
2					7	Parcels x	-		
W LAND COS	TS (PHASE 43)						TOTAL PHASE	: 4B	\$6
<ol><li>Land, Impro</li></ol>	vements & Severance	Damages					Amount	Subtotal	
and Cost to	Cure Amount		) x ·	120%	Doctor	nlan at		•	
I, Water Reter	ition & Mit.	149,18		130%	vesign Pessor	plan stage =	0		•
5. SUBTOTAL			~ ^	130% (1	Parceis Lines 1	w/o R/W Acq)	193,900		
. Admin. Setti	iement: (Factor	0%	x	0% -	Lines 1) (Line 15)		=	193,900	
Litigation A	wards (Factor	60%			i Line 15) f Line 15)		0		
. Business Da	amages (Claims			\$0 }-		=	116,300		
. Bus. Damag	es Incr (Factor	25%	x * \$	- )			0		
. Owner Appr	Fees (Parcels	1	x	\$10,000)			10,000		
Owner CPA	Fees (Claims		x	\$10,000)		=	10,000		
. Derena Atty.	Fees (Sum of Lines 16, 17	'& 19) <u>116,300</u>	x	40%)			46,500		
Owner Expe	rt With (Comm.+Unimp	•)	+	1);	x_18,000	. =	18,000		
. Other Conde	emn. Costs	1	_ x	\$500		=	500		
i. GOBTOTAL	,				(Lines 1	6 thru 24) =		191,300	
	gency for design plan s						TOTAL PHASE		\$38
(1) PD&E	plans - 130% (2). 30% p	tage: Jans - 125% <i>(</i> 3) 6	0% nlane	- 120% (4)	000/ -1				Ψ30.
W ACQUISITIC	ON CONSULTANT (PHA	SE 42)	on plans	120/8 (4)	90% pian	s -115% (5) 2	68 Date -110%		
. Acquisition (	Consultant 50% of parcel	s \$20,000	x	0					
LOCATION CO	OSTS (PHASE:45)	7-7,000					TOTAL PHASE	42	
I	Replacement Housing			Number		Amount			
. Owner		\$20,000	x	0	=	Amount 0			
. Tenant	Maria On A	\$10,000		0	≟ -	<u></u>			
Residential	Move Costs	**			-	<u>_</u>			
. Business/Far	rm	\$1,500		0	= _	0			
		\$20,000 \$2,000		0	= _	0		•	
reisonal Pro	u 32)	φ2,000	.x	1	= _	2,000			
(Lines 28 thru						-1	TOTAL PHASE	45	
(Lines 28 thru	ervices Cost			¢200.	(Ma4 !- D)				\$2
(Lines 28 thru	ervices Cost		<u> </u>	\$200	(Not in P	nase Total)			\$2
(Lines 28 thru Relocation Se	ervices Cost		<del></del>	\$200	(Not in P	nase Total)			\$2
(Lines 28 thru Relocation So	ervices Cost		<del>- :</del>	\$200 ·		nase Total)	IOTAL FOTIAL		
(Lines 28 thru Relocation So al Estate: <u>N</u>	ervices Cost Jarilyn Jackson	.Signed:	YIb	\$200		nase Total)	TOTAL ESTIMA	TE	
(Lines 28 thru Relocation So al Estate: No. 1 Dam.: N	ervices Cost Marilyn Jackson WA	Signed:	УIJa	\$200		nase Total)	Date:		\$2 \$465
(Lines 28 thru Relocation So  al Estate: No. Dam.: No. D	ervices Cost Marilyn Jackson WA	Signed: Signed:	91/p	\$200		nase Total)	Date:	TE	
(Lines 28 thru Relocation So  al Estate: No. Dam.: No. D	ervices Cost Marilyn Jackson WA	Signed:	1/p Dani	\$200		nase Total)	Date:	TE 09/06/04	
(Lines 28 thru Relocation So at Estate: No. Dam.: No. Dam.: No.	ervices Cost Marilyn Jackson WA WA Daniel Trosper	Signed: Signed: Signed:	1/a Dani	\$200		All Phases)	Date: Date: Date:	09/06/04 09/06/04	
s. Dam.: N	ervices Cost Marilyn Jackson WA WA Daniel Trosper	Signed: Signed: Signed:	1/a Dani	rely et Tro		All Phases)	Date: Date: Date: Date:	09/06/04 09/06/04	

6.0

		ri e	FLORIDA DE	PARTMEN	T OF TRAI	NSPORTA	TION		<del></del>
FM#:	25786	·1	DISTRICT SEV			COST EST	IMATE	HDR#:	15383-05
County:		ororigµ	Alternate: Segment:	SMF-C-2			District:		Seven
State Rd.:	·N/A		FAP#	N/A 0295-005			Date:		7-Sep-04
Project Des.	Sam A	llen Road from Ale	exander St. Ext. to	Park Road &	, Park Road fr	om I-4 to Sarr	C.E. Sequenc	ө	N/A
Parcels Commercial	Gross 0				7 .	Estimated	Relocatees:	<del></del> -	
Residential	0					Business		0	
Unimproyed	1	<u> </u>				Residentia	ál	0	
	,		•			Signs	_	0	
Total Parcels		1.		-		Personal F Total Relo	roperty	1	
R/W SUPPOR	TCOSTS	(PHASE 41)				Total Kelo		1	
1. Direct Lab 2. Indirect O	or Cost	(Parcels	1	x 13.	000 = Rat	e)	Amount		
3.	vernead	(Parcels	<u> </u>	x	0 = Rat		13,000	•	•
						•	TOTAL PHAS	F 41	
R/W OPS (PH/ 4. Appraisal	ASE 4B)	numb Tut-t							\$13,
o. Business	Damage (	PA Food Through	Total		1	Parcels	x 12,000 =	Amount 12,000	
o. Count Rep	orter & P	rocess Servers	700		. 0	Claims	x 19,000 =		
/. Expert Wil	tness			x - 1	= 1	Parcels .	x 500 =		
8. Mediators			50%	x 1	<u>-</u>	Parcels Parcels		,	•
10. Miscellane	n, ASD. At	ate., Survey, etc.	<del></del> -		ò	Imprvmet		-,	
11. Appraisal	Fee Revie				1	Per Project			
12.					1	Parcels	x 5,000 =		
W. LAND CO	STS (PLIA	SE 43)					TOTAL PHASE		\$64,
3. Land Imp	Ovement	SE 43) S & Severance Dan		• .			Amount	Subtotal	404,
and Cost 1	to Cura.A	a ceverance Dan	_					Subtotal	
4. Water Rete	ntion & M	lit.		X130	% Design	plan stage	= 0		
5. SUBTOTAI	L,		318,483	×13(	0 Parcels	wio R/W Acc	414,000	-	,
6. Admin. Set	ttlement: (	Factor	00/		(Lines	13 &14)		414,000	
7. Litigation /	Awards 7	Factor			1% of Line 15		=0		
3. Business C	Damages.f	Claims	0		<u>%</u> of Line 15	i) :	=248,400		
9. Bus, Dama	ges.incr.(	Factor		x \$ -	<u>\$0</u> )	:	=0		
<ol><li>Owner App</li></ol>	Fees (	Parcels	1	<del></del>	/ no \		= <u></u>		
I, Owner CP/	l.Fees (	Claims		× \$10,0			10,000		
2. Defend Atty	Fees (	Sum of Lines 16, 17 & 19	9) 248,400		%)		= <u>0</u>	•	
5. Owner Exp	ert Witn (	Comm.+Hnimn \	0 4		<u>1</u> ) × 18,000		99,400		
4. Other Cond 5. SUBTOTAL	temn. Cos	its	1	\$50		-	= <u>18,000</u>		
6. 6.	•					16 thru 24)  =	= <u>500</u>	272.00-	
	rannou fo	design plan stage		-		,	TOTAL PHASE	376,300	
(1) PD&E	plans - 1.	i uesign pian stage 30% (2) 30% nian	B; c .435% (3) cos(				P. STARTINGE	43	\$790,3
W ACQUISITE	ON CONS	30% (2) 30% plan ULTANT (PHASE 4	3-123/6.[3] 60%	pians - 120%	(4) 90% plan	ıs -115% <i>(5</i> )	268 Date -110%		
. Acquisition	Consultar	nt-50% of parcels	****						
ELOCATION C	OSTS.(PI	IASE AEL	\$20,000 x	<u> </u>	0		TOTAL PHASE	42	
	Replacer	nent Housing							
s. Owner			\$20,000 x	Numbe		Amount			•
- Tenant			\$10,000 x		<u>0</u> =	0			
Residential	Move Co	sts			<u> </u>	0			•
. Residential . Business/Fa	ırm.		\$1,500 x		0 =	. 0	<u>.</u>		
. Personal Pr	onertv		\$20,000 x		0 =	0			
. (Lines 28 th	ru:32)		\$2,000 x		1 =	2,000			
Relocation S	Services.C	Cost					TOTAL PHASE	15	\$2,00
				- \$20	(Not in F	hase Total)		•	\$2,00
			•						
				•					
al Estate:	Marilyn Ja	ckson	Signed: 1	19-1	7.7	(All Phases)	TOTAL ESTIMAT	E	\$870,20
s. Dam. :	N/A		Signed:	Marly	) Ja	claw	Date:	09/06/04	
location:	N/A		Signed:	<del></del>	0-	<u>·</u>	Date:		
erall Review:	Daniel Tro	sper	Signed:	anila	MALLI	(w)	Date:		
of Eatlands O					20000	<del>10</del>	Date:	09/06/04	
st Estimate Se			in	the Amount o	f'S	U ;	ata lanut a		
MARKS:	Administr	ative settlements a lered to be zero, w	and litigation aug	da harri birin			ata Input Comple	tion Date:	
	are consid	lered to be zero, w	hile litigation is fa	ctored at 60%	of land and	venect one ov	vnersnip. Admini Fe	istrative settlen	nents
		·			4.14	mplotement		-	
									•
				`					
		-							
			<u> </u>	_					
following ind	icates the	estimator's confi	derice in the above	estimate:			· · · · · · · · · · · · · · · · · · ·		
'	ype A - In	laicates the most d	confidence			· Fu	ture Value Facto	rs @	10%
1	ýpe B - in	idicates above ave	rage confidence				ear One ear Two		1.1000
	ype C.~in	dicates below ave	rage confidence				ar Three		1.2100
!	Ahe n - IU	dicates the least o	r no confidence	•			ar Four		1.3310
following ind	icatos 44 -	Danastu "					ar Five		1.4641 1.6105
k Program Up	icates Me	Department's pur	pose for this estin	nate:			-		1.0103
ments:			Gaming 1:		Special P	urpose:	_ X Do	ocs to RW:	
		<del></del>	·						
		<del></del>	<del></del>						

FM#:							SPORT	***		
	25786	2.1	DISTRICT	SEVE	N RIGHT OF	WAY C	OST ES	TIMATE	HDR#:	15383-05
County:		orough	Alterna Segme		SMF-D-1 N/A	•		District:		Seven
State Rd.:	N/A	1	FAP#		0205.005			Date: C.E. Sequ		7-Sep-04
Project Des Parcels	. Sam A Gross	ilen Road from Al	exander.St.	Ext. to Pa	ark Road & Par	k Road fro	m I-4 to Sa	m Allen.	ence .	N/A
Commercia		<del> </del>			*		Estimate	d Relocatees:		
Residential						٠.	Busines: Resident		0	
Unimproved	! <u>1</u>	1					Signs	(Ia)	0	
Total Parce	ls 1	1 1 .						Property	0	<u>!</u> .
		(PHASE 41)					Total Rel	ocatees		-
<ol> <li>Direct La</li> </ol>	abor Cost	(Parcels		1 x	40.000			Amount		
2. Indirect	Overhead .	(Parcels		1 x	13,000			13,0	00 .	
3:						_ , Nau	٠.	TOTAL PH	0	
W OPS (P	HASE 4B)							HOTALPE		, \$13
4. Apprais 5. Busines	s:Damano	ough Trial CPA Fees Througi				1	Parcels	x 12,00	Amount 00 = 12,000	•
. Court R	eporter & P	rocess Servers		750/		. 0	Claims	x 19,00		
<ul><li>Expert V</li></ul>	Vitness			<u>75%</u> х 75% х		= 1	Parceis		00 = 500	
3. Mediato				50% x	1	- 1 = 1	Parcels Parcels	X 30,00	,	
). Demoin O. Miscella	on, Asb. Al neous Con	oate., Survey, etc.	• • •			ò	Imprvmet	X 2,40	_,	
I. Appraisa	i Fee Revie	กรณ์ กรณ	•			1	Per Proje			
2.		•••		•		1	Parcels	× 5,00		
W LAND C	OSTS (PHA	SE (2)	-					TOTAL PH	ASE 4B	\$64
Land, Im	provement	s & Severance Da						Amount	Subtotal	
and Cos	t to Cure A	mount	mayes	σx	4200/					
. Water Re	etention &'A	lit.	209.		130%	- Design	plan stage		<u>o</u>	
S. SUBTOT	AL			<u>,,,,,                                </u>	130%	Lines ()	W/o R/W A	cq) <u>272,80</u>	<u>o</u> _	
Admin. S	éttlement: (	(Factor		0% x	0% (	of Line 15	136(4)		272,800	
- Litigation	1.Awards	(Factor		30% x		of Line 15		=163,70	<u>.</u>	
. Bus Dan	Damages ( nages Incr (	Claims		<u>0</u> x	\$0)		,		<u>)</u>	
Owner A	ppr. Fees (	Paraele	2	2 <u>5%</u> , x	\$ - )				<u>.</u>	
Owner C	PA Fees (	Claime		_1 x	<u>\$10,000</u> )	-		=10,000	<del>-</del> .	
Defend A	tty Fees (	Sum of Lines 16, 17 & 1	(0) 462	<u>0</u> x	<u>\$10,000</u> )			=	_	
• Owner Ex	(pert Witn (	Comm.+Hnime \	19)163,	700 x 0 +	40%)			=65,500	<u>ī</u>	
Other Co	ndemn. Cos	sts	·	1 x	1) \$500	x <u>18,000</u>		=18,000	<u></u>	
. SUBTOTA	AL' ·				\$300	(Lines 1	6 thru 24)	=500	<u>)</u>	*
Danion	4					•	o unu 24)	TOTAL BUL	257,700	
Design con	tingency fo. E plans - 1	r design plan stag	je:				,	TOTAL PHA	SF 43	\$530,
(1) PD8	⊏ plans - 1	30% (2) 30% plan	rs - 125% (3	) 60% pla	ans - 120% (4)		,	TOTAL PHA	SF 43	\$530,
W ACQUISI	E plans - 1	30% (2) 30% plan	ıs - 125% (3 <sub>)</sub> 42)				,	TOTAL PHA	SF 43	\$530,
W ACQUISI Acquisitio	TION CONS on Consulta	30% (2) 30% plan SULTANT (PHASE nt-50% of parcels	rs - 125% (3		ans - 120% (4)		,	TOTAL PHA  268 Date -110  TOTAL PHA	SE 43	\$530,
W ACQUISI Acquisition LOCATION	TION CONS on Consultati COSTS (PI	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels	ıs - 125% (3 <sub>)</sub> 42)		0,	90% plan	s -115% (5)	268 Date -110	SE 43	\$530,
N ACQUISI Acquisition LOCATION Owner	TION CONS on Consultati COSTS (PI	30% (2) 30% plan SULTANT (PHASE nt-50% of parcels	ıs - 125% (3 <sub>)</sub> 42)	х. 00	0 '	90% plan	s -115% (5) Amount	268 Date -110	SE 43	\$530, <sup>1</sup>
N ACQUISI Acquisition LOCATION Owner	TION CONS on Consulta COSTS (PI Replacer	30% (2) 30% plan BULTANT (PHASE nt-50% of parcels HASE 45) ment Housing	9 <b>s - 125% (3)</b> 42) \$20,00	00 x	0,	90% plan	s -115% (5) Amount 0	268 Date -110	SE 43	\$530,
Acquisition Acquisition Acquisition Country Country Tenant	TION CONS On Consulta COSTS (PI Replacer	30% (2) 30% plan BULTANT (PHASE nt-50% of parcels HASE 45) ment Housing	\$20,00 \$20,00 \$10,0	00 x	0 ' Number 0 0	90% plan	s -115% (5) Amount	268 Date -110	SE 43	\$530,t
N ACQUISIT Acquisition LOCATION Owner Tenant Residentia Business/	TON CONS on Consulta COSTS (PI Replacer Move Co	30% (2) 30% plan BULTANT (PHASE nt-50% of parcels HASE 45) ment Housing	\$20,00 \$20,00 \$20,00 \$10,0	00 x 00 x 00 x	. Number 0 0	90% plan	Amount 0	268 Date -110	SE 43	\$530,t
V ACQUIST Acquisition LOCATION Owner Tenant Residentia Business/ Personal 1	TION CONS on Consulta COSTS (Pi Replacer Move Co al Farm	30% (2) 30% plan BULTANT (PHASE nt-50% of parcels HASE 45) ment Housing	\$20,00 \$20,00 \$10,0 \$1,5 \$20,0	00 x 00 x 00 x 00 x	0 ' Number 0 0	90% plan	Amount 0 0 0	268 Date -110	SE 43	\$530,t
V ACQUISI' Acquisition Acquisition LOCATION  Owner Tenant  Residentia  Business/ Personal I (Lines 28 (	TION CONSIDER COSTS (PI Replacer  Move Coal Farm Property thru 32)	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels HASE 45) ment Housing	\$20,00 \$20,00 \$20,00 \$10,0	00 x 00 x 00 x 00 x	. Number 0 0	90% plan	Amount 0	268 Date110	SE 43 % SE 42	\$530,i
Acquisition Acquisition Acquisition Acquisition Acquisition Country Tenant Residential Business/Personal (Lines 28 (Lines 28 )	TION CONSIDER COSTS (PI Replacer  Move Coal Farm Property thru 32)	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels HASE 45) ment Housing	\$20,00 \$20,00 \$10,0 \$1,5 \$20,0	00 x 00 x 00 x 00 x	. Number 0 0	90% plan	Amount 0 0 0 0 2,000	268 Date -110	SE 43 % SE 42	\$530,t
Acquisition Acquisition Acquisition Acquisition LOCATION Owner Tenant Residentia Business/Personal (Lines 28 (Lines	TION CONSIDER COSTS (PI Replacer  Move Coal Farm Property thru 32)	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels HASE 45) ment Housing	\$20,00 \$20,00 \$10,0 \$1,5 \$20,0	00 x 00 x 00 x 00 x	0 Number 0 0 0 0 1	90% plan	Amount 0 0 0	268 Date110	SE 43 % SE 42	
ACQUIST Acquisition LOCATION Owner Tenant Residentia Business/ Personal 1 (Lines 28 (	TION CONSIDER COSTS (PI Replacer  Move Coal Farm Property thru 32)	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels HASE 45) ment Housing	\$20,00 \$20,00 \$10,0 \$1,5 \$20,0	00 x 00 x 00 x 00 x	0 Number 0 0 0 0 1	90% plan	Amount 0 0 0 0 2,000	268 Date110	SE 43 % SE 42	
Acquisition Acquis	Move Coal Farm Form Form Form Form Form Form Form Fo	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels HASE 45) ment Housing sts	\$20,00 \$20,00 \$10,0 \$10,0 \$1,5 \$2,0 \$2,0	00 x 00 x 00 x 00 x	0 Number 0 0 0 0 1	90% plan	Amount 0 0 0 0 2,000	TOTAL PHA	SE 43 % SE 42	\$2,0
V ACQUIST Acquisition LOCATION Owner Tenant Residentia: Business/ Personal I (Lines 28 / Relocation	TION CONSIDER COSTS (PI Replacer  Move Coal Farm Property thru 32)	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels HASE 45) ment Housing sts	\$20,00 \$20,00 \$20,00 \$10,00 \$1,5 \$20,0 \$2,0	00 x 00 x 00 x 00 x	0 Number 0 0 0 0 1	90% plan	Amount 0 0 0 0 2,000 hase Total)	TOTAL PHA	SE 43 % SE 42 SE 45	
V ACQUIST Acquisition LOCATION Owner Tenant Residentis Business/ Personal 1 (Lines 28 I Relocation	Marilyn J.  Marilyn J.  Mich Plans - 1  Move Co.  Move C	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels HASE 45) ment Housing sts	\$20,0 \$20,0 \$10,0 \$10,0 \$1,5 \$20,0 \$2,0 \$2,0	00 x 00 x 00 x 00 x	0 Number 0 0 0 0 1	90% plan	Amount 0 0 0 0 2,000 hase Total)	TOTAL PHA	SE 43 % SE 42	\$2,0
V ACQUIST Acquisition LOCATION Owner Tenant Residentis Business/ Personal 1 (Lines 28 I Relocation	Marilyn J.  Marilyn J.  Mich Plans - 1  Move Co.  Move C	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels HASE 45) ment Housing sts	\$20,00 \$20,00 \$20,00 \$10,00 \$1,5 \$20,0 \$2,0	00 x 00 x 00 x 00 x	0 Number 0 0 0 0 1	90% plan	Amount 0 0 0 0 2,000 hase Total)	TOTAL PHASTIC Date: Date: Date:	SE 43 % SE 42 SE 45 MATE 09/06/04	\$2,0
N ACQUISI Acquisitic LOCATION Owner Tenant Residentia Business/ Personal 1 (Lines 28 Relocation I Estate: Dam.: coation; rall Review	Move Coal Farm Property thru 32) a Services ( Marilyn J. N/A N/A Daniel Tru	30% (2) 30% plan SULTANT (PHASE nt-50% of parcels PASE 45) ment Housing sts  Cost  ackson	\$20,0 \$20,0 \$10,0 \$10,0 \$1,5 \$20,0 \$2,0 \$2,0 \$2,0 Signed: Signed: Signed: Signed:	00 x 00 x 00 x 00 x	0 Number 0 0 0 0 1	90% plan	Amount 0 0 0 0 2,000 hase Total)	TOTAL PHASTING Date: Date: Date:	SE 43 % SE 42 SE 45	\$2,0
N ACQUISI Acquisitic LOCATION Owner Tenant Residentia Business/ Personal 1 (Lines 28 Relocation I Estate: Dam.: coation; rall Review t Estimate	Marilyn Janiel Tro	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels HASE 45) ment Housing sts  Cost  ackson  Dated:	\$20,00 \$20,00 \$10,00 \$10,00 \$1,5 \$2,00 \$2,00 \$2,00 Signed: Signed: Signed: Signed:	00 x 000 x 000 x 000 x 000 x	0 Number 0 0 0 1 1 \$200	90% plan	Amount 0 0 0 2,000 hase Total)	TOTAL PHASTING Date:	SE 43 % SE 42  MATE 09/06/04	\$2,0
W ACQUIST Acquisition Acquistion Cowner Tenant Residentia Business/ Personal 1 (Lines 28 ( Relocation I Estate: Dam.: Cocation: Crall Review t Estimate	Marilyn J.  Mila Sequence & Administr	30% (2) 30% plan SULTANT (PHASE Int-50% of parcels HASE 45) ment Housing Sts  Cost  Cost  Disper  E. Dated: ative settlements	\$20,00 \$20,00 \$10,00 \$1,5 \$20,00 \$2,	00 x 000 x 000 x 000 x 000 x	Number 0 0 0 1 \$200	90% plan	Amount 0 0 0 2,000 hase Total)	TOTAL PHASTILL Date: Date: Data Input Com	SE 43 % SE 42  MATE 09/06/04	\$2,0
V ACQUISI Acquisitic LOCATION Owner Tenant Residentia Business/ Personal 1 (Lines 28 Relocation I Estate: Dam.: coation: rall Review t Estimate	Marilyn J.  Mila Sequence & Administr	30% (2) 30% plan SULTANT (PHASE Int-50% of parcels HASE 45) ment Housing Sts  Cost  Cost  Disper  E. Dated: ative settlements	\$20,00 \$20,00 \$10,00 \$1,5 \$20,00 \$2,	00 x 000 x 000 x 000 x 000 x	Number 0 0 0 1 \$200	90% plan	Amount 0 0 0 2,000 hase Total)	TOTAL PHASTILL Date: Date: Data Input Com	SE 43 % SE 42  MATE 09/06/04	\$2,0
N ACQUIST Acquisition Acquisition Cowner Tenant Residentia Business/ Personal I (Lines 28 ( Relocation I Estate: Dam.: Cocation: crall Review t Estimate	Marilyn J.  Mila Sequence & Administr	30% (2) 30% plan ULTANT (PHASE nt-50% of parcels HASE 45) ment Housing sts  Cost  ackson  Dated:	\$20,00 \$20,00 \$10,00 \$1,5 \$20,00 \$2,	00 x 000 x 000 x 000 x 000 x	Number 0 0 0 1 \$200	90% plan	Amount 0 0 0 2,000 hase Total)	TOTAL PHASTILL Date: Date: Data Input Com	SE 43 % SE 42  MATE 09/06/04	\$2,0
W ACQUIST Acquisition Acquistion Cowner Tenant Residentia Business/ Personal 1 (Lines 28 ( Relocation I Estate: Dam.: Cocation: Crall Review t Estimate	Marilyn J.  Mila Sequence & Administr	30% (2) 30% plan SULTANT (PHASE Int-50% of parcels HASE 45) ment Housing Sts  Cost  Cost  Disper  E. Dated: ative settlements	\$20,00 \$20,00 \$10,00 \$1,5 \$20,00 \$2,	00 x 000 x 000 x 000 x 000 x	Number 0 0 0 1 \$200	90% plan	Amount 0 0 0 2,000 hase Total)	TOTAL PHASTILL Date: Date: Data Input Com	SE 43 % SE 42  MATE 09/06/04	\$2,0
N ACQUIST Acquisition Acquisition Cowner Tenant Residentia Business/ Personal I (Lines 28 ( Relocation I Estate: Dam.: Cocation: crall Review t Estimate	Marilyn J.  Mila Sequence & Administr	30% (2) 30% plan SULTANT (PHASE Int-50% of parcels HASE 45) ment Housing Sts  Cost  Cost  Disper  E. Dated: ative settlements	\$20,00 \$20,00 \$10,00 \$1,5 \$20,00 \$2,	00 x 000 x 000 x 000 x 000 x	Number 0 0 0 1 \$200	90% plan	Amount 0 0 0 2,000 hase Total)	TOTAL PHASTILL Date: Date: Data Input Com	SE 43 % SE 42  MATE 09/06/04	\$2,0
N ACQUIST Acquisition Acquisition Cowner Tenant Residentia Business/ Personal I (Lines 28 ( Relocation I Estate: Dam.: Cocation: crall Review t Estimate	Marilyn J.  Mila Sequence & Administr	30% (2) 30% plan SULTANT (PHASE Int-50% of parcels HASE 45) ment Housing Sts  Cost  Cost  Disper  E. Dated: ative settlements	\$20,00 \$20,00 \$10,00 \$1,5 \$20,00 \$2,	00 x 000 x 000 x 000 x 000 x	Number 0 0 0 1 \$200	90% plan	Amount 0 0 0 2,000 hase Total)	TOTAL PHASTILL Date: Date: Data Input Com	SE 43 % SE 42  MATE 09/06/04	\$2,0
N ACQUIST Acquisition Acquisition Cowner Tenant Residentia Business/ Personal I (Lines 28 ( Relocation I Estate: Dam.: Cocation: crall Review t Estimate	Marilyn J.  Mila Sequence & Administr	30% (2) 30% plan SULTANT (PHASE Int-50% of parcels HASE 45) ment Housing Sts  Cost  Cost  Disper  E. Dated: ative settlements	\$20,00 \$20,00 \$10,00 \$1,5 \$20,0 \$2,0 \$2,0 \$32,0	00 x 000 x 000 x 000 x 000 x	Number 0 0 0 1 \$200	90% plan	Amount 0 0 0 2,000 hase Total)	TOTAL PHASTILL Date: Date: Data Input Com	SE 43 % SE 42  MATE 09/06/04	\$2,0
W ACQUIST Acquisition Acquisition Cowner Tenant Residentia Business Personal f (Lines 28 t Relocation Relocation Business Residentia Business Residentia Business Business Residentia Residentia Business Resi	Mariyn J. M/A N/A N/A Consider Move Consider	30% (2) 30% plan SULTANT (PHASE nt-50% of parcels HASE 45) ment Housing sts  Cost  Cost  Dated: ative settlements dered to be zero, v	\$20,00 \$20,00 \$10,00 \$2,00 \$2,00 \$2,00 \$2,00 \$2,00 \$3,	000 x 000 x 000 x 000 x 000 x 000 x 1n then awards on is factor	Number 0 0 0 1 \$200	90% plan	Amount 0 0 0 2,000 hase Total)	TOTAL PHASTILL Date: Date: Data Input Com	SE 43 % SE 42  MATE 09/06/04	\$2,0
W ACQUISITE Acquisition Commer Tenant Residentia Businesss Personal f (Lines 28 t Relocation Relocation erall Review at Estimate MARKS:	Move Coal Farm Property thru 32) a Services ( Marilyn Ja N/A Danlel Tro Sequence # Administr are considered	30% (2) 30% plan  BULTANT (PHASE nt-50% of parcels hASE-45) ment Housing  sts  Cost  Cost  Dated: ackson  Depart  E Dated: ative settlements dered to be zero, v	\$20,00 \$20,00 \$10,00 \$10,00 \$2	000 x	Number 0 0 0 1 \$200	90% plan	Amount  0  0  2,000  hase Total)  All Phases  Z	TOTAL PHASTILL Date: Date: Data Input Com	SE 43  SE 42  SE 45  MATE  09/06/04  09/06/04  pletion Date: ministrative settler	\$2,0 \$610,4
V ACQUISI Acquisition Counter Tenant Residentia Business/ Business/ Relocation I Estate: Dam.: coation: rall Review I Estimate IARKS:	Move Coal Farm Property thru 32) a Services ( Marilyn Ja N/A Daniel Tro  Sequence #  Administr are considerates the Type A - In Type B - In	30% (2) 30% plan SULTANT (PHASE Int-50% of parcels HASE 45) ment Housing sts  Cost  Cost  Dated: ackson  Desper  E. Dated: ative settlements dered to be zero, v	s-125% (3) \$20,0 \$20,0 \$10,0 \$10,0 \$1,5 \$20,0 \$2,0  Signed:	000 x 000 x 000 x 000 x 000 x 000 x 1n then awards on is factor	Number 0 0 0 1 \$200	90% plan	Amount  0 0 2,000 hase Total)  (All Phases)  2 La 17	TOTAL PHAS  TOTAL PHAS  TOTAL ESTIF  Date:	SE 43  SE 42  SE 45  MATE  09/06/04  09/06/04  pletion Date: ministrative settler	\$2,0
W ACQUIST Acquisition Acquisition Country Tenant Residentia Business Personal f (Lines 28 t Relocation I Estate: Dam.: Cocation: Cocatio	Marilyn J.	ackson  Dated: ative settlements dered to be zero, vidicates above averdicates above average a	ss-125% (3) \$20,0 \$20,0 \$10,0 \$10,0 \$1,5 \$20,0 \$2,0 \$1,5 \$20,0 \$2,0  Signed: Signed: Signed: Signed: Signed: Signed: Figure distinguished: Signed: Sig	100 x	Number 0 0 0 1 \$200	90% plan	Amount  0  0  2,000  hase Total)  All Phases  effect one of improvement	TOTAL PHAS  TOTAL PHAS  TOTAL PHAS  TOTAL PHAS  TOTAL PHAS  Date:	SE 43  SE 42  SE 45  MATE  09/06/04  09/06/04  pletion Date: ministrative settler	\$2,0 \$610,44 ments
V ACQUISI Acquisition Counter Tenant Residentia Business/ Business/ Relocation I Estate: Dam.: coation: rall Review I Estimate IARKS:	Marilyn J.	30% (2) 30% plan  BULTANT (PHASE nt-50% of parcels hASE-45) ment Housing  sts  Cost  Cost  Dated: ackson  Depart  E Dated: ative settlements dered to be zero, v	ss-125% (3) \$20,0 \$20,0 \$10,0 \$10,0 \$1,5 \$20,0 \$2,0 \$1,5 \$20,0 \$2,0  Signed: Signed: Signed: Signed: Signed: Signed: Figure distinguished: Signed: Sig	100 x	Number 0 0 0 1 \$200	90% plan	Amount  0  0  2,000  hase Total)  (All Phases)  Z  (All Phases)  When the comprovement of the comproverse of	TOTAL PHASTIC Date: Date	SE 43  SE 42  SE 45  MATE  09/06/04  09/06/04  pletion Date: ministrative settler	\$2,0 \$610,44 \$610,44 ments
W ACQUIST Acquisition Owner Tenant Residentia Business/ Personal 1 (Lines 28 Relocation: rall Review t Estimate IARKS:	Move Coal Farm Property thru 32) a Services ( Marilyn Ja N/A Daniel Tro Sequence # Administr are consider Type A - In Type B - In Type C - In	ackson  Description of parcels  ASE 45) ment Housing  ackson  Description  Descript	s-125% (3) \$20,0 \$20,0 \$10,0 \$10,0 \$1,5 \$20,0 \$2,0 \$2,0  Signed: Signed: Signed: Signed: Signed: Signed: General titigation while litigation w	000 x	Number 0 0 0 1 \$200  Arrily Amount of \$ have been chapted at 60% of the stimate:	90% plan	Amount  0 0 2,000  hase Total)  (All Phases)  2 (All Phases)  2 (All Phases)  7 (All Phases)	TOTAL PHAS  TOTAL PHAS  TOTAL PHAS  TOTAL PHAS  TOTAL PHAS  Date:	SE 43  SE 42  SE 45  MATE  09/06/04  09/06/04  pletion Date: ministrative settler	\$2,0 \$610,40 \$610,40 1.1000 1.2100 1.2100 1.3310 1.4641
W ACQUIST Acquisition Owner Tenant Residentia Business/ Personal 1 (Lines 28 Relocation: rall Review t Estimate IARKS:	Move Coal Farm Property thru 32) a Services ( Marilyn J. N/A N/A  Daniel Tro  Sequence #  Administr are consider Type A - In Type B - In Type C - In Type D - In  dicates the	30% (2) 30% plan  BULTANT (PHASE nt-50% of parcels hASE 45) ment Housing  sts  Cost  Cost  Dated: ackson  Department's confidicates the most addicates below averaged dicates the least of the performance	s-125% (3) \$20,0 \$20,0 \$10,0 \$10,0 \$1,5 \$20,0 \$2,0 \$2,0  Signed: Signed: Signed: Signed: Signed: Signed: General titigation while litigation w	000 x	Number 0 0 0 1 \$200  Amount of \$ have been chapted at 60% of still at 60% of still at 60%.	90% plan	Amount  0  0  2,000  hase Total)  All Phases  Effect one of mprovement  Y  Y  Y  Y  Y	TOTAL PHAS  TOTAL PHAS  TOTAL ESTIF	SE 43  SE 42  SE 45  MATE  09/06/04  09/06/04  pletion Date: ministrative settler	\$2,0 \$610,44 \$610,44 ments



			FLORID	A DEP	RTMENT	OF TRAN	SPORTAT	ION -		<del></del>
Titu.			DISTRICT	SEVE	RIGHT O	F WAY C	OST ESTI	WATE	HDR#:	15383-05
FM#: County:	257862 Hillsbo	. 1	Alterna	te:	SMF-D-2		7	District	TIDIOF.	Seven
State Rd.:	N/A	iougn	Segmei FAP#:	nt:	N/A 0295-005	•		Date:		7-Sep-04
Project Des.	Sam A	len Road from A	lexander St. I	Ext. to Pa	rk Road & Pa	rk Road from	m I 4 to Com	C.E. Sequent	e	N/A
Parcels Commercial					THE COURT OF THE	I K IVOAU IIOI	Estimated F	Relocateoer		<u> </u>
Residential	0	0					Business	Colocatees.	. 0	
Unimproved		2					Residential			
L		<del></del>			•		Signs		0	
Total Parcels		2					Personal Pr Total Reloc	operty		
R/W SUPPOI	RT COSTS							Amount	1	
1. Direct La 2. Indirect C		(Parcels		2 x	13,00	0 = Rate	)	26,000		•
3.	arineau.	(Parcels		2. x		0 = Rate		20,000	•	
R/W OPS (PI	ASE 4B)							TOTAL PHAS	E 41	\$26,0
4. Appraisa	l Fees Thre	ough Trial							Amount	
5. Business	S Damaga (	PA Foor Through	h Trial			2 0		× 12,000 =		-
6. Court Re 7. Expert W	porter & Pi	ocess Servers		75% x	. 2	= 2		× 19,000 = × 500 =	•	
8. Mediator				75% x	2	_=		K 500 = K 30,000 =		
9. Demolitic	on. Ash Ah	ate., Survey, etc.		50% x	2	_= 1		C 2,400 =		
I co. miscellar	leous Conf	racte				0	Imprymet 3	15,000 =	. 0	
11. Appraisa	l Fee Revie	w .				1	Per Project x Parcels x	,		
12.						•	Parcels x			
R/W LAND CO	OSTS (PHA	SE 43)				<del></del>		TOTAL PHAS		\$107,40
13. Land, Imp	provements	& Severance Da	mages					Amount	Subtotal	
and Cost 14. Water Re	t to Cure A	nount	·	<u>0</u> x	130%	* Design	olan stage =			
15. SUBTOTA	tention & M	iŁ -	36,	817 x	130%	(0 Parcels	No R/W Acq)	47,900		•
16. Admin. Se		·				(Lines 1	3 &14)	47,500	47 000	
17. Litigation	Awarde (	Factor		5% x		of Line 15)	=	6,500	47,900	
18. Business	Damages (	Claime		<u>0%</u> x		of Line 15)	=	20,100		
19; Bus. Dam	ages incr (	Factor		<u>0</u> x	0		· =	10,000		
<ol><li>Owner Ap</li></ol>	Dr. Fees (	Parcele .		<u>5%</u> x 2 x	\$ 10,000		. =	2,500		-
<ol> <li>Owner CP</li> </ol>	A Fees (	Claime		2 x 0 x	\$10,000		=	20,000		
22. Defend At	ty Fees (s	um of Lines 16 17 2	19) 29,1		\$10,000 40%		=	0		
23. Owner Ex	pert Witn ((	Comm.+[Inimn]		0 +			=	11,600		
24. Other Con 25. SUBTOTA	idemn. Cos	ts		2 x	\$500	) x <u> 18,000</u>	=.	36,000		
26. 26.	L.				4000	(Lines 16	= . : thru 24\ =	1,000	_	
	inanae.		-			,		TOTAL PHASE	107,700	
(1) PD&	ingency for E plans - 1:	design plan stag	ge:				£	TOTAL PHASE	43	\$155,600
R/W ACQUISIT	ION CONS	00% (2) 30% plan ULTANT (PHASE	13 - 123% (3)	00% pia	ns - 120% (4 <sub>)</sub>	) 90% plans	<b>-115%</b> (5) 2	68 Date -110%		
27. Acquisitio	n Consultar	t-50% of parcels	\$20,00	M						
RELOCATION	COSTS (PI	ASE 45)	Ψ20,00	00 x	0			TOTAL PHASE	42	\$0
	Replacen	ent Housing		_	Number					
28. Owner 29. Tenant			\$20,0	00 :x	0	= ,	mount	•		<b>&gt;1</b> 2
.s. renant	Move Cos		\$10,0				0		~V154	<b>34</b>
0. Residentia	I MIOVE COS	us .			. <del></del>		<u>_</u>	1	EVISE	•
11. Business/F			\$1,5 \$20,0		0	= _	0	",		
2. Personal P	roperty		\$2,0		· 0 1	<u> </u>	0			•
3. (Lines 28 ti	hru 32)				<u> </u>		2,000	TOTAL DUAGE		
4. Relocation 5.	Services C	ost			\$200	(Not in Ph	ase Total).	TOTAL PHASE	15	\$2,000
6.										
7.						7 7 7 7				
eal Estate:	Marilyn Ja	okana	237			~ (A	III Phases) T	OTAL ESTIMA	rE	\$204.000
us. Dam. :	Gerson Pr	eston Robinson	_Signed:	18	ally	JOh	relde	Date:	09/07/04	\$291,000
elocation:	N/A		_Signed: _Signed:	By Atta	ichment /			Date:	09/07/04	
verali Review:	Daniel Tro	sper	Signed:	a)hi	2/1/2/1	1000		Date:		
					uec 9 4	rapery	<u>co'</u>	Date:	09/07/04	
ost Estimate S			: <u> </u>	In the	Amount of \$	, ' 0	 Det	a Innut Com-I-		
EMARKS:	Business	lamages attribut this estimate, be	able to crop l	000 604 4			The busine	a Input Comple		
	counted in	this estimate, be	ecause it is c	ounted in	the mainline	estimate.	r. the pusine	ess damage cla	im is not	-10
			• •					٠.		SEV
									الانكاوس	
		•							H	Į.
									-1	
										1
e following	diagram									ŀ
e ionowing ju	uicates the	estimator's conf	idence in the	above ė	timate:		Futi	ire Value Facto	re @'	
	And w - III	uicales the most	COnfidence				Yea	ne value racto r One	12 (f)	10%
	Type C - in	dicates above av	erage confid	эпсө				r Two		1.1000 1.2100
X		neiOM:8V	erage contide	ence				r Three		1.3310
	Type D - in	dicates the least.	<b>ዕተ በዕ ድላካቶላ</b>	nco.						
	Type D - In	dicates the least	or no confide					r Four		1.4641
e following in	dicates the	dicates the least	or no confide		3*			r Four r Five		
e following ind	dicates the	dicates the least	or no confide		<b>9</b> ; .	Special D	Year	r Five		1.4641
e following inc	dicates the	dicates the least	or no confide		9;	Special Pur	Year	r Five	ocs to RW:	1.4641

		FLORIDA D	EPARTMENT OF	TRANSPORTATI	ON		
-		DISTRICT SE	VEN RIGHT OF \	WAY COST ESTIN	IATE	HDR#:	15383-05
FM#:	257862 1	Alternate:	SMF-D-2		District:		Seven
County: State Rd.:	Hillsborough N/A	Segment:	N/A		Date:		12-Oct-04
Project Des.	Sam Allen Road from Al	FAP#: exander St. Ext.	0295-005 to Park Road & Park	Road from LA to Sam A	C.E. Sequence	•	N/A
Parcels	Gross Net		to rain node ar an	Estimated R			
Commercial	0 0			Business		0	•
Residential Unimproved	0	•		Residential		0	
Ommproved .	0			Signs Personal Pr	onorte	0	•
Total Parcels	1 0			Total Reloca			
R/W SUPPORT	COSTS (PHASE 41)			<del></del>	Amount		<del></del>
1. Direct Labo			<u>0</u> x <u>13,000</u> =	Rate)	0	•	
2. Indirect Ove	erhead (Parcels		0 x 0=	Rate)	0		
3.		·	<del></del>		TOTAL PHASE	41	\$0
R/W OPS (PHA 4 Appraisal F	SE 4B) Fees Through Trial			0 0		Amount	
5. Business D	Damage CPA Fees Throug	h Trial			k 12,000 = k 19,000 =	0	•
6. Court Repo	orter & Process Servers	75%	<u>.</u> x 0 =		K 500 =	a	
7. Expert With	ness	759		0 Parcels	30,000 =	Ō	•
8. Mediators 9. Demolition	, Asb. Abate., Survey, etc.	50%	<u>{</u> x <u> </u>		2,400 =	0	
10. Miscellane	ous Contracts			0 Imprvmet 3 1 Per Project x		15,000	
l1. Appraisal F	ee Review			0 Parcels x	5,000 =	13,000	
12.					TOTAL PHASE	4B	\$15,000
RW LAND COS	STS (PHASE 43)				Amount	Subtotal	
	ovements & Severance Da	mages					
	o Cure Amount			Design plan stage			ι.
14. Water Rete		32,747	7 x <u>130%</u> (0	Parcels w/o R/W Acq	42,600		•
15. SUBTOTAL		400		(Lines 13 &14)		42,600	
	tlement: (Factor \wards (Factor	45%		f Line 15) =	0		
	Damages (Claims	60%		f Line 15) =	25,600		
	ges Incr (Factor	25%		_	2,500		
	r. Fees (Parcels	(		_	2,500		
21. Owner CPA	Fees (Claims			=	0		
	Fees (Sum of Lines 16, 17 &	19) 28,100	) x 40%)	=	11,200		
	ert Witn (Comm.+Unimp.)			x <u>18,000</u> ≈	0		•
24. Other Cond 25. SUBTOTAL		•	x\$500	# # # # # # # # # # # # # # # # # # #	0		
26.				(Lines 16 thru 24) =	TOTAL DUACE	49,300	
Design contin	ngency for design plan sta	ge:			TOTAL PHASE	43	\$91,900
(1) PD&E	plans - 130% (2) 30% pla	ns - 125% (3) 6	i0% plans - 120% (4)	90% plans -115% (5)	268 Date -110%		
W ACQUISITI	ON CONSULTANT (PHASI	E 42)	7.	•			
7. Acquisition	Consultant-50% of parcels	\$20,000	x 0		TOTAL PHASE	42	\$0
RELOCATION C	COSTS (PHASE 45)	-					
8. Owner	Replacement Housing	**********	Number	Amount			
9. Tenant		\$20,000 \$10,000		=0			•
	Move Costs	\$10,000	^ ^	=0			į
0. Residential		\$1,500		=0			
11. Business/F 12. Personal Pi		\$20,000		= 0			
3. (Lines 28 th		\$2,000	x1	= 2,000		<u> </u>	
4. Relocation	•		\$200	(Not in Phase Total)	TOTAL PHASE	45	\$2,000
5.		<del></del>	. 7200	(NOCHIT HASE FOLAL)			<del></del>
6.	•		•			•	
7.		:		(All Phases)	TOTAL ESTIMA	TE	\$108,900
Real Estate:	Daniel Trosper	Signed:	Del Trope	<u> </u>	Date:	10/12/04	
Bus. Dam. : Relocation:	Gerson Preston Robinson		By Attachment		Date:	09/07/04	
	N/A Daniel Trosper	Signed: Signed:	14 1 7		Date:	40/40/04	
		Oigned.	Der /nage	<u> </u>	Date:	10/12/04	
ost Estimate S	equence #: Date	d:	In the Amount of \$	D	ata Input Comple	etion Date:	·
EMARKS:	This is a slight revision o	f the previous e	stimate for this pond,	dated September 7, 20	04. The pond sit	e and the ease	ment.
•	according to Mitch Blanc	o of Parsons Bri	nckerhoff, can be shi	fted to avoid the Hillsb	orough County p	oarcel.	
	Buciness demands ettalk	utable to aven term	f				1
	Business damages attrib counted in this estimate,	utable to crop to because it is co	iss for the pond area : unted in the mainline	are included. I ne busi actimata	ness damage cla	alm is noț	
		200aa30 k 13 00	antes in the manning	estimate.			
	Adminstrative settements	and litigation a	wards have been cha	nged to reflect one ow	nership. Admini:	strative settler	nents
	are considered to be zero	, while litigation	is factored at 60% fo	r land and Improvemer	nts		1
					<del></del>		
ne tollowing in	dicates the estimator's co		above estimate:		uture Value Facto	ors @	10%
	Type A - indicates the mo Type B - Indicates above		nce		ear One ear Two		1.1000 1.2100
X	Type C - Indicates below				ear Three		1.3310
	Type D - indicates the lea			Y	ear Four		1.4641
		· · · · · · · · · · · · · · · · · · ·		Y	ear Five		1.6105
	dicates the Department's	•	estimate:				<del> </del>
/ork Program L omments:	puate:	Gaming 1:		Special Purpose:	xr	Docs to RW:	

**63** 

1 T

	DISTRICT SEVE	N KIGHT OF W	VAY COST EST	IMATE	HDR#:	4
FM#: 257862.1 County: Hillsborough	Alternate:	FPC-B-1		District:	ADION.	15383-05 Seven
State Rd.: N/A	Segment: - FAP#:	N/A 0295-005		Date:		7-Sep-04
roject Des. Sam Allen Road fror	n Alexander St. Ext. to P	ark Road & Park R	load from L4 to San	C.E. Sequenc	e <sub>.</sub>	N/A
			Estimated	Relocatees:	<del></del>	
Commercial 0 0 Residential 1 1			Business.	-	0	
Inimproved 1 1	• •		Residentia	ai	0	
			Signs		0	
otal Parcels 2 2			Personal I Total Relo	cateos		
W SUPPORT COSTS (PHASE 41)				Amount		
Direct Labor Cost (Parcel     Indirect Overhead (Parcel		13,000 =	Rate)	26,000		
2. Indirect Overhead (Parcel 3.	2 x	·	Rate)	0		
W OPS (PHASE:4B).				TOTAL PHAS	E 41	
. Appraisal Fees Through Trial					Amount	
<ol> <li>Business Damage CPA Fees Three</li> </ol>	ough Trial	-	2 Parcels	x 12,000 =		
Court Reporter & Process Server	's 75% x		1 Claims 2 Parcels	x 19,000 =		
Expert Witness	75% x		2 Parcels 2 Parcels	X 500 =	.,	
B. Mediators  Demolition Ash Abata Supray	E00/ '		1 Parcels	x 30,000 = x 2,400 =	**,545	
). Demolition, Asb. Abate., Survey, o D. Miscellaneous Contracts	etc.		1 Imprvmet			
1. Appraisal Fee Review			1 Per Project			
2.			1 Parcels	x5,000 =	5,000	
W LAND COSTS (PHASE 43)	<del></del>			TOTAL PHASE	4B	\$1
3. Land, Improvements & Severance	Namages		-	Amount	Subtotal	
and Cost to Gure Amount	_		_			
. Water Retention & Mit.	0 x	130% *	Design plan stage	=0		
SUBTOTAL	84,784 x	130% (0 F	Parcels w/o R/W Ac	q) 110,200		
. Admin. Settlement (Factor	45% x		(Lines 13 &14)		110,200	
'. Litigation Awards (Factor	60% x	30% of i		= 14,900		
, Business Damages (Claims	1 x	70%_of I	_ine:15)	=46,300	-	
. Bus. Damages Incr (Factor	25% x	0) \$ 18,000 )	•	=18,000		
Owner Appr. Fees. (Parcels	23/6 X	\$10,000 )		=4,500		
Owner CPA Fees (Claims		\$10,000 )		=20,000		
. Defend Atty Fees Sum of Lines 16	17 8 101 GE 700 w	40% )		= 10,000		
. Owner Expert With (Comm +Hnim	p.) 0 +		18,000	=26,300	•	
. Other Condemn. Costs				- 40 000		
	2 x		10,000	= <u>18,000</u>		
	2 x	\$500	<del></del>	= <u>1,000</u>		•
•		\$500	Lines 16 thru 24)	= <u>1,000</u>	159,000	
SUBTOTAL  Design contingency for design plan  11 PD&F plans 120% (2) 2007	atagar	<u>\$500</u>	Lines 16 thru 24)	= 1,000 = TOTAL PHASE	159,000 43	\$26
Design contingency for design plan (1) PD&E plans - 130% (2) 30%	stage: plans - 125% (3) 60% pl	<u>\$500</u>	Lines 16 thru 24)	= 1,000 = TOTAL PHASE	159,000 43	\$26
Design contingency for design plan (1) PD&E plans - 130% (2) 30% N ACQUISITION CONSULTANT (PHA	stage: plans - 125% (3) 60% pl	<u>\$500</u>	Lines 16 thru 24)	= 1,000 = TOTAL PHASE	159,000 43	\$26
Design contingency for design plan (1) PD&E plans - 130% (2) 30% N ACQUISITION CONSULTANT (PHA Acquisition Consultant-50% of parce	stage: plans - 125% (3) 60% pl	<u>\$500</u>	Lines 16 thru 24)	1,000 TOTAL PHASE 268 Date -110%	43	\$26
Design contingency for design plan (1) PD&E plans - 130% (2) 30% N ACQUISITION CONSULTANT (PHA Acquisition Consultant-50% of parce LOCATION COSTS (PHASE 45)	stage: plans - 125% (3) 60% pl ASE 42) els \$20,000 x	\$500 (lans - 120% (4) 90	Lines 16 thru 24)	= 1,000 = TOTAL PHASE	43	\$26
Design contingency for design plan (1) PD&E plans -130% (2) .30% N ACQUISITION CONSULTANT (PHA Acquisition Consultant-50% of parcel LOCATION COSTS (PHASE 45) Replacement Housing	stage: plans - 125% (3) 60% pl ASE 42) els \$20,000 x	\$500 (lans - 120% (4) 90	Lines 16 thru 24) 9% plans -115% (5)	1,000 TOTAL PHASE 268 Date -110%	43	\$26
Design contingency for design plan (1) PD&E plans -130% (2) 30%  N ACQUISITION CONSULTANT (PHA Acquisition Consultant-50% of parcel LOCATION COSTS (PHASE 45)  Replacement Housing Owner	stage: plans - 125% (3) 60% pl ASE 42) els \$20,000 x \$20,000 x	\$500 (4) 96 0 Number 0	Lines 16 thru 24)	1,000 TOTAL PHASE 268 Date -110%	43	\$26
Design contingency for design plan (1) PD&E plans -130% (2) -30%  MACQUISITION CONSULTANT (PHA Acquisition Consultant-50% of parcel LOCATION COSTS (PHASE 45)  Replacement Housing Owner Tenant  Move Costs	stage: plans - 125% (3) 60% pl ASE 42) els \$20,000 x	\$500 (ans - 120% (4) 90 0 Number	Lines 16 thru 24) 0% plans -115% (5) Amount	1,000 TOTAL PHASE 268 Date -110%	43	\$20
Design contingency for design plan (1) PD&E plans -130% (2) .30%  N ACQUISITION CONSULTANT (PHA Acquisition Consultant-50% of parcel LOCATION COSTS (PHASE 45) Replacement Housing Owner Tenant Move Costs Residential	stage: plans - 125% (3) 60% pl ASE 42) els \$20,000 x  \$20,000 x \$10,000 x	\$500 (d) 90 (d) 90 Number 0 0	Lines 16 thru 24)  2% plans -115% (5)  Amount = 0 = 0	1,000 TOTAL PHASE 268 Date -110%	43	\$26
Design contingency for design plan (1) PD&E plans -130% (2) 30%  N ACQUISITION CONSULTANT (PHA Acquisition Consultant-50% of parcel LOCATION COSTS (PHASE 45) Replacement Housing Owner Tenant Move Costs Residential Business/Farm	stage: plans - 125% (3) 60% pl ASE 42) els \$20,000 x  \$20,000 x  \$10,000 x	\$500 (d) 90 (d) 90 Number 0 0	Lines 16 thru 24)  0% plans -115% (5)  Amount  0 0	1,000 TOTAL PHASE 268 Date -110%	43	\$26
Design contingency for design plan (1) PD&E plans - 130% (2) 30%  N ACQUISITION CONSULTANT (PHA Acquisition Consultant-50% of parce (LOCATION COSTS (PHASE 45) Replacement Housing Owner Tenant Move Costs Residential Business/Farm Personal Property	stage: plans - 125% (3) 60% pl ASE 42) els \$20,000 x  \$20,000 x \$10,000 x	\$500 (4) 90 0 Number 0 0	Lines 16 thru 24)  2% plans -115% (5)  = Amount = 0 0 = 0 0	1,000 TOTAL PHASE 268 Date -110%	43	\$21
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Design contingency for design plan (1) PD&E plans -130% (2) -30%  VACQUISITION CONSULTANT (PHA Acquisition Consultant-50% of parce LOCATION COSTS (PHASE 45) Replacement Housing Owner Tenant Move Costs Residential Busliness/Farm Personal Property (Lines 28 thru 32)	stage: plans - 125% (3) 60% pl ASE 42) els \$20,000 x  \$20,000 x  \$10,000 x  \$1,500 x  \$20,000 x	\$500 (ans - 120% (4) 90 0 Number 0 0 0	Amount  = 0 = 0 = 0 = 2,000	1,000 TOTAL PHASE 268 Date -110%	42	
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FM#:	257862	4	47		MOITI O	- WAY C	OST EST	IMATE	HDR#:	15383-05
County:	Hillsbo	1	Alternate: Segment:		FPC-C-1			District:		Seven
tate Rd.:	* N/A *		FAD#.		N/A 0295-005			Date:		7-Sep-04
roject Des. arcels	Sam Al	len Road from Al	exander St. Ext.	to Par	k Road & Par	rk Road fro	m I-4 to Sa	C.E. Sequen	ce	N/A
ommerciai	Gross 0	.Net	_				Estimate	d Relocatees:		······································
Residential.	1	<del>- 0</del>					Business	<b>;</b>	0	
Inimproved	2	2					Resident	iại	0	
otal Parcels	اړ.		•				Signs Personal	Property	0	
W SUPPORT	3	3				,	Total Rel	ocatees	2	
Direct Labo	or Cost	PHASE 41) (Parcels		_				Amount		
Indirect Ov	erhead	(Parcels		3 x. 3 x	13,000			39,000		
<u> </u>		,,		3 x		= Rate	)	0		
W OPS (PHA	SE 4B)			-				TOTAL PHAS	E 41	\$:
Appraisal	Fees Thro	ugh Trial	•			3	Dorasla		Amount	
Court Pop	Damage C	PA Fees Throug ocess Servers				Ö	Parcels Claims	X 12,000 :		
Expert Wit	orter & Pr Dess	ocess Servers	75%		3	_= Ž	Parcels	X 19,000 :	•	•
Mediators	•		75%		3	= 2	Parcels.	× 30,000 :		
Demolition	, Asb. Ab	ate., Survey, etc.	50%	<u>.</u> x	3	.= 2	Parcels	x 2,400 =		
· miscerane	OUS Conti	arte.				1	Imprvmet	,	= 15,000	
. Appraisal l	ee Revie	N				2	Per Project Parcels	,	,	
								X 5,000 = TOTAL PHAS	10,000	
W LAND COS	STS (PHAS	SE 43)								\$14
and Cost t	ovements	& Severance Da	mages				_	Amount	Subtotal	
Water Rete	o oure An ofice • **	IOUNT **	0		130%	* Design	plan stage	= 0		
SUBTOTAL	urion e M	iL.	265,092	. × _	130%	(0 Parcels	w/o R/W Ac	(q) 344,600		
Admin. Set	Uement://	actor	<u>.</u> .	-		(Lines 1	3 &14)		344 600	
Litigation A	wards (f	actor	45%	-		of Line 15)	•	= 46,500	344,600	
Business D	amages (C	Claims	60%	. x		of Line 15)	:	=144,700		
Bus. Damag	res Incr (F	actor	25%	-	0	)		=0		
Owner Appr	Fees (F	arcels	25% 2	Х.		)		=0		
Owner CPA	Fees .(C	laime .		x . x	\$10,000			= 20,000		
Defend Atty	Fees (s	um of l'inee 46 47 e 4	191,200	` x -	\$10,000			=0		
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### Appendix G Review Comments and Responses

### Blanco, Mitch

From:

scott.farash@dot.state.fl.us

Sent:

Wednesday, November 03, 2004 3:46 PM

To:

Blanco, Mitch

Cc:

Romero, John; kirk.bogen@dot.state.fl.us

Subject:

Park Rd/Sam Allen Rd Road PD&E Study - WPI Seg. No. 257862-1 Final commentson Pond

Site Report

Mitch,

Kirk had only one minor comment on the report:

Page 7, Section 2.1.1 title, revise as follows:

Field Review/Discussion with FDOT and Hillsborough County Maintenance

Scott Farash, Project Manager scott.farash@dot.state.fl.us D7 Modal Planning and Development - MS 7-500 (813) 975-6456 / SC 512-7813 Drainage Review Comments
Alternative Stormwater Management Facility Report
Sam Allen Road and Park Road, from I-4 to Alexander Street Extension
WPI No. 257862-152-01

FAP No. 0295-005

Report Date: October 2004 (Revised) FDOT Project Manager: Scott Farash

Date: October 26, 2004 Reviewer: Larry Gaddy

- 1. Section 4.1 indicates the ponds are sized based on treating the entire basin rather than the directly connected impervious area. This approach may be overly conservative in situations where the basin is large, so much so that it could result in more costly pond site recommendations. Significantly oversized ponds could eliminate one or more small sites from consideration and thus reduce the list of viable candidates.
- 2. The original FDOT drainage map would be a helpful addition to the report.
- 3. Section 4.1 indicates all basins, except Basin A, include more than one site option. This is apparently due to the availability of the parcel owned by FDOT, however the cost of that site is significant due to the need to line the pond. More options should be provided. The fact that FDOT owns the parcel isn't relevant. It should compete with other options. For example, if another option cost \$500,000 (all acquisition and construction costs) and the fair market value of the FDOT parcel is \$900,000, it represents an asset to FDOT and could, in fact, be sold as surplus property.
- More information is required to justify cost and feasibility of SMF A-1. According to the Table, "Provided Pond Volume Calculations", the DHW elevation is 112.0 but the elevation of the pavement at the intersection of Park Road and Sam Allen Road is 110.3 (at crown), according to the contour map. Verify that the low edge of pavement elevation used to size pond is correct. The pond outfall isn't described, but it appears to connect to S-12. If it connects to S-12, verify that the headwater elevation will not be too high for the pavement elevation at the low point in the portion of roadway draining into SMF A-1.
- 5. Floodplain impacts have been based only on floodplains mapped by FEMA. Verify that the SWFWMD reviewer will accept this definition of floodplains. Most reviewers require mitigation for all floodplain impacts. Note that FEMA doesn't map small floodplains and SFWMD rules do not differential between FEMA floodplains and other floodplains.
- 6. SMF-B options appear to be located in a floodplain and will require compensation for impacts. These added costs should be included in matrix. Also see the SMF in Basin C. . .

- 7. Basin B drainage area size cannot be verified. More information should be provided to support the 18.8 (note table shows 150' R/W) and 84.2 acre values. Also, more explanation should be provided for the summary tables. For example, Basin B shows "Exist Imp Areas" of 3.24 acres and "Total Exist Imp Area" of 8.51.
- 8. Basin B attenuation calculations are based on the same basin area in pre and post conditions. This would be correct if the pre and post areas to the pond discharge point were the same, however they are not. The allowable discharge should be based on the pre existing R/W area that drains to the same outfall as the pond, unless it can be demonstrated that the outfall can accept added flow rates without harm, to the satisfaction of the reviewer. Check other basins for similar issues.
- 9. Design parameters for SMF B-1 conflicts with contour maps regarding average ground elevation and SHWT. Recent aerials show land alteration in the area. Verify values are correct.
- 10. Basin C value of 95.15 acres is unclear. Maps or more narrative should be included to clarify limits of this basin. Its relevance is also not clear, as it isn't used in calculations for treatment or attenuation volumes.
- 11. Basin C pond design is based on a pavement elevation that is approximately 4' higher than the existing pavement according to the SWFWM map. If that map reflects the existing road elevation, the report should include a discussion of the proposed profile and why the roadway must be raised so much. According to the existing Typical Section, the two lane roadway was located to be part of a future four lane facility. If the pavement is raised 4', the existing roadway cannot be salvaged. Is there a flooding problem that requires the pavement to be raised this much? If the road is now higher than shown on the contour map, this information would be a valuable addition to the report. See comment 2. The drainage map profile would supply this data.
- 12. Were Figure 6 basin limits obtained from FDOT drainage map? If not, the source should be provided. Some appear incorrect because the pipe sizes don't relate to the basin areas. At flood conditions, some basins probably combine.
- 13. The equal elevation base flood stages in the FEMA floodplain are more or less parallel to the road, thus it may be permissible to use one site for all impacts, affording the advantage of scale and limiting the acquisition to one parcel.
- 14. There may be a problem with locating the FPC sites so far south, as now proposed, because the SHWT at the site may be too high to allow compensation for lower level impacts at the roadway.
- 15. Was consideration given to the mined area west of SMFB-1? Depending on the elevations of the islands, they could be removed for impact credits.

### Blanco, Mitch

From:

scott.farash@dot.state.fl.us

Sent: To:

Friday, October 22, 2004 8:40 AM Blanco, Mitch; Romero, John

Cc:

joe.thompson@dot.state.fl.us

Subject:

Re: Draft Pond Site Report 2578621 Park/Sam Allen Rds.

I agree, the report should explain why there are no other viable sites.

Scott Farash, Project Manager scott.farash@dot.state.fl.us D7 Modal Planning and Development - MS 7-500 (813) 975-6456 / SC 512-7813

Joe

Thompson/D7/FDOT

10/21/2004 05:25

Scott Farash/D7/FDOT@FDOT

Τo

CC

Blanco@pbworld.com, Megan Arasteh/D7/FDOT@FDOT, RomeroJ@pbworld.com

Subject

Re: Draft Pond Site Report 2578621 Park/Sam Allen Rds. (Document link: Scott Farash)

The report should explain why there was only one FPC site per basin. You seem to say that other sites were investigated but only one site per basin was found to be viable.

Scott

Farash/D7/FDOT

10/20/2004 04:38

PM

Joe Thompson/D7/FDOT@FDOT

To

CC

Megan Arasteh/D7/FDOT@FDOT, Blanco@pbworld.com,

RomeroJ@pbworld.com

Subject

Re: Draft Pond Site Report 2578621 Park/Sam Allen Rds. (Document link: Joe Thompson) There is a very limited amount of land available for floodplain compensation, because most of the area is in a floodplain. The sites selected were the only two viable sites investigated.

Scott Farash, Project Manager scott.farash@dot.state.fl.us D7 Modal Planning and Development - MS 7-500 (813) 975-6456 / SC 512-7813

Joe

Thompson/D7/FDOT

10/20/2004 04:08

Scott Farash/D7/FDOT@FDOT

То

Megan Arasteh/D7/FDOT@FDOT

CC

Draft Pond Site Report Park/Sam Allen Rds.

Subject 2578621

Where is the alternative site analysis for the floodplain comp sites?

### Park Rd./Sam Allen Rd. PD&E Study WPI Seg No. 257862-1 Draft Pond Siting Report Response to Comments October 27, 2004

### Response to Comments from Kirk Bogen, FDOT

1. Page 7, Section 2.1.1 title, revise as follows: Field Review/Discussion with FDOT and Hillsborough County Maintenance.

Response: Section 2.1.1 title revised as noted.

### Response to Comments from Larry Gaddy, PBS&J

1. Section 4.1 indicates the ponds are sized based on treating the entire basin rather than the directly connected impervious area. This approach may be overly conservative in situations where the basin is large, so much so that it could result in more costly pond site recommendations. Significantly oversized ponds could eliminate one or more small sites from consideration and thus reduce the list of viable candidates.

Response: Basin A, at 65.4 acres, is by far the largest sub-basin on the project. During the design phase, this basin will more than likely be revisited and any number of options will be analyzed to reduce the required pond size such as: a) bypassing of offsite runoff, b) providing compensatory treatment, and c) treating only the directly connected impervious area (DCIA). However, for the purposes of the pond siting report, the most conservative approach was taken. SMF-A-1 is located on FDOT owned property, so if the pond should get smaller (or larger) there is no cost to the FDOT.

Basins B-D are relatively smaller, ranging in area from 18.8 to 3.02 acres, so over-sizing the ponds is less of a concern. However, Basin C (10.95 ac), with SMF-C-1 and 2 located in the floodplain, the pond sizes and resulting floodplain impacts, will need to be minimized. Treatment of DCIA is an option. Another option is to provide equal treatment at an offsite location, so that no ponds will be placed in the floodplain. This too will be decided during the design phase. At this time SMF-C-1 and 2 have been conservatively sized and located on a large property with a single owner.

This project has major constraints with regards to pond siting. This area is developing rapidly, there are wetlands, and the 100 Year floodplain is widespread. Lastly, in general, the viable properties are not smaller sites, but large tracts of land with single owners.

2. The original FDOT drainage map would be a helpful addition to the report.

Response: This part of Park and Sam Allen Roads are under the jurisdiction of Hillsborough County. There is no FDOT drainage map covering the area.

3. Section 4.1 indicates all basins, except Basin A, include more than one site option. This is apparently due to the availability of the parcel owned by FDOT, however the cost of that site is significant due to the need to line the pond. More options should be provided. The fact that FDOT owns the parcel isn't relevant. It should compete with other options. For example, if another option cost \$500,000 (all acquisition and construction costs) and the fair market value of the FDOT parcel is \$900,000, it represents an asset to FDOT and could, in fact, be sold as surplus property.

Response: During a meeting on July 1, the FDOT requested that there be only one pond alternative for Basin A and that it be located on the FDOT owned parcel. In fact, SMF-A-1 is located to the rear of the property with the intention to sell the frontage in the future. Please refer to the meeting minutes included in Appendix A.

More information is required to justify cost and feasibility of SMF A-1. According to the Table, "Provided Pond Volume Calculations", the DHW elevation is 112.0 but the elevation of the pavement at the intersection

of Park Road and Sam Allen Road is 110.3 (at crown), according to the contour map. Verify that the low edge of pavement elevation used to size pond is correct. The pond outfall isn't described, but it appears to connect to S-12. If it connects to S-12, verify that the headwater elevation will not be too high for the pavement elevation at the low point in the portion of roadway draining into SMF A-1.

Response: Low edge of pavement has been revised to elevation 110. The revised calculations are included in Appendix C.

The outfall for SMF-A-1 is proposed to discharge into an existing ditch, at a point approximately 650' upstream of S-12. Culvert analysis of S-12 is to be done during the design phase. Please note that this part of Park and Sam Allen Roads has not flooded in over 25 years, as per Hillsborough County Maintenance.

5. Floodplain impacts have been based only on floodplains mapped by FEMA. Verify that the SWFWMD reviewer will accept this definition of floodplains. Most reviewers require mitigation for all floodplain impacts. Note that FEMA doesn't map small floodplains and SFWMD rules do not differential between FEMA floodplains and other floodplains.

Response: In addition to the floodplains mapped by FEMA, Hillsborough County has developed a SWMM model of the Hillsborough River watershed. According to this model, the 100-year floodplain elevation is lower than the FEMA elevation. For the purpose of the pond siting report, the FEMA elevations were used to calculate a more conservative floodplain impact. However, floodplain compensation areas will more than likely be reduced during the design phase.

6. SMF-B options appear to be located in a floodplain and will require compensation for impacts. These added costs should be included in matrix. Also see the SMF in Basin C.

Response: According to the FEMA map of the area, SMF-B-1 and 2 are not located in the 100 Year floodplain. On the other hand, SMF-C-1 and 2 are located in the floodplain. Their locations came out of a meeting with the FDOT on July 1 2004. Please refer to Appendix A for the minutes. Preliminary flood plain impacts have been calculated and are included in Appendix D.

7. Basin B drainage area size cannot be verified. More information should be provided to support the 18.8 (note table shows 150' R/W) and 84.2 acre values. Also, more explanation should be provided for the summary tables. For example, Basin B shows "Exist Imp Areas" of 3.24 acres and "Total Exist Imp Area" of 8.51.

Response: The area of Basin B is 18.8 acres. The referenced table has been revised to show only the overall cumulative basin area of 98.17 acres. The "Total Exist Imp Area" for Basin B referred to the cumulative Exist Imp Area beginning from the first row and continuing downward. The referenced table has been revised to show only the overall cumulative Exist Imp Area of 13.05 acres.

8. Basin B attenuation calculations are based on the same basin area in pre and post conditions. This would be correct if the pre and post areas to the pond discharge point were the same, however they are not. The allowable discharge should be based on the pre existing R/W area that drains to the same outfall as the pond, unless it can be demonstrated that the outfall can accept added flow rates without harm, to the satisfaction of the reviewer. Check other basins for similar issues.

Response: In the existing condition, runoff from Basin B is conveyed to East Canal. In the proposed condition, SMF-B-1 and 2 discharge to an adjacent wetland that is a tributary of the East Canal. This wetland will more than likely be able to accept increased discharges. The floodplain for the East Canal is so vast, that in effect, the pre- and post-development discharge points are one and the same.

The proposed pond alternatives in Basin C are adjacent to a relatively large low area, which will more than likely be able to accept increased discharges. If needed, over attenuation can also be provided within the selected pond, making sure that the downstream culverts and properties are not adversely affected. Another option would be the use of a "smart box" on the stormsewer mainline so that pre/post attenuation does not increase to unacceptable levels. However, as with Basin A, the final design will be determined during the design phase.

9. Design parameters for SMF B-1 conflicts with contour maps regarding average ground elevation and SHWT. Recent aerials show land alteration in the area. Verify values are correct.

Response: Average ground elevation for SMF-B-1 has been revised to 105.5. The average ground elevation for SMF-B-2 has been revised to 106. The seasonal highwater table elevation continues to be conservatively set at the existing ground elevation. Preliminary pond sizing calculations have been revised as well.

10. Basin C value of 95.15 acres is unclear. Maps or more narrative should be included to clarify limits of this basin. Its relevance is also not clear, as it isn't used in calculations for treatment or attenuation volumes.

Response: The area of Basin C is 10.95 acres. The 95.15 acres referred to the cumulative basin area, beginning with Basin A and continuing to Basin B and including Basin C. The referenced table has been revised to show only the overall cumulative basin area of 98.17 acres for the whole project.

11. Basin C pond design is based on a pavement elevation that is approximately 4' higher than the existing pavement according to the SWFWM map. If that map reflects the existing road elevation, the report should include a discussion of the proposed profile and why the roadway must be raised so much. According to the existing Typical Section, the two lane roadway was located to be part of a future four lane facility. If the pavement is raised 4', the existing roadway cannot be salvaged. Is there a flooding problem that requires the pavement to be raised this much? If the road is now higher than shown on the contour map, this information would be a valuable addition to the report. See comment 2. The drainage map profile would supply this data.

Response: The low edge of pavement of 107.88 (column 6 of the Provided Pond Volume Calculation) was taken from cross sections of existing cross drains provided by the FDOT. These survey field notes will be included in the Appendix of the report.

12. Were Figure 6 basin limits obtained from FDOT drainage map? If not, the source should be provided. Some appear incorrect because the pipe sizes don't relate to the basin areas. At flood conditions, some basins probably combine.

Response: Basin limits for Figure 6 were developed using the contours of the USGS maps. Reference was also made to the Bill Heard Chevrolet (I-4 at Park Road) SWFWMD permit and the FDOT drainage map for I-4 (Segment 4). This drainage map information will be included in the appendix of the report.

According to USGS maps and field reviews, there exist large, broad low areas adjacent to the roadway. These low areas provide substantial storage, allowing for large basins relative to the existing culvert sizes.

13. The equal elevation base flood stages in the FEMA floodplain are more or less parallel to the road, thus it may be permissible to use one site for all impacts, affording the advantage of scale and limiting the acquisition to one parcel.

Response: Using best available data FPC-B-1 and FPC-C-1 were conservatively sized by assuming a one-foot depth per area of impact. During the design phase, the floodplain impact (and required compensation) per basin will be refined by the use of cross-sections, and Hillsborough County's SWMM model of the Hillsborough River watershed, which includes the East Canal. Ultimately, it may be feasible to use one site to compensate for all impacts. However, for the purposes of the Pond Siting Report, the two separate Flood Plain Compensation (FPC) sites are to remain, and serve as two viable alternatives.

14. There may be a problem with locating the FPC sites so far south, as now proposed, because the SHWT at the site may be too high to allow compensation for lower level impacts at the roadway.

Response: In the vicinity of the East Canal and just south of South Allen Road, the 100 Year Base Flood elevation is 108. Approximately 2000 feet south, the 100 Year Base Flood elevation is 109, resulting in a gradient of only 0.05%. The proposed site for FPC B-1, located east of East Canal, adjacent to the floodplain, has an average existing ground elevation of 110.5 and a low elevation of 109. Therefore, although FPC B-1 is located upstream of the impact, this should not have an adverse affect on the floodplain adjacent to Sam Allen Road

given the slight gradient of the existing flood plain and a minor difference of 1 foot between the Base Flood elevation and the existing ground elevation at the FPC site.

The proposed site for FPC C-1, located west of East Canal, adjacent to the floodplain, has an average existing ground elevation of 111 and a low elevation of 108. Therefore, although FPC C-1 is located upstream of the impact, this should not have an adverse affect on the floodplain adjacent to Sam Allen Road given the slight gradient of the existing flood plain.

15. Was consideration given to the mined area west of SMFB-1? Depending on the elevations of the islands, they could be removed for impact credits.

Response: The area west of SMF-B-1 was not considered because it is all wetlands. In fact, the current location of SMF-B-1 is adjacent to this wetland and encroaches on it by one acre.

### Response to Comments from Joe Thompson, FDOT

1. The report should explain why there was only one FPC site per basin.

Response: An explanation of why there is only one FPC site per basin is included in section 4.3.5 (Page 19) of the Alternative Stormwater Management Facility Report.

### Blanco, Mitch

From:

scott.farash@dot.state.fl.us

Sent: To: Friday, October 01, 2004 9:42 AM Blanco, Mitch; Romero, John

Cc:

No.

Page

of a scale to verify.

kirk.bogen@dot.state.fl.us

Subject:

Park Rd/Sam Allen Rd Road PD&E Study - WPI Seg. No. 257862-1 Draft Pond Site Report

comments

Here are Kirk's comments on the first draft:

---- Forwarded by Scott Farash/D7/FDOT on 10/01/2004 09:39 AM ----

Kirk R

Bogen/D7/FDOT

10/01/2004 08:59

Scott Farash/D7/FDOT@FDOT

To

AM

Waddah Farah/D7/FDOT@FDOT

Subject

Re: Park Rd/Sam Allen Rd Road PD&E Study - WPI Seq. No. 257862-1

Study - WPI Seg. No. 257862-1 Draft Pond Site Report(Document

link: Scott Farash)

I performed a cursory review of the report and offer the following comments:

Comment

1 Cover Use WPI Seg No. 257862 instead of Districtwide FPN ( make this correct throughout document). Cover 2 Include FAP No in description. 3 Cover Remove reference to Consultant from cover sheet. 4 ii Provide footnote for abbreviations which are not inherent (i.e LEOP). 5 ii The environmental data needs to be included before site selection can begin. In section 2.1.1, was the local governments maintenance section contacted for local flooding problem since these are local roads. Appendix G Report should contain SWFWMD contours map with basins delineated to support the calculations. The quad maps are at too small

If you or the consultant have any question, please call or email me. Thanks

Kirk Bogen, District Project Development Engineer FDOT District Seven Modal, Planning & Development kirk.bogen@dot.state.fl.us (813) 975-6448 / SC 512-7805 / (800) 226-7220 x27805 FAX: (813) 975-6451 / SC 512-7808

Scott Farash/D7/FDOT

09/30/2004 04:52 PM To Megan Arasteh/D7/FDOT@FDOT, Kirk R Bogen/D7/FDOT@FDOT

CC

Subject Re: Park Rd/Sam Allen Rd Road PD&E Study - WPI Seg. No. 257862-1 Draft Pond Site Report

Megan and Kirk,

Do you have any comments on the draft Pond Report by Parsons Brinckerhoff submitted for review on Sept. 7th?

I have received the ROW cost estimate for pond sites and Parsons is starting to prepare the final draft of the report.

Scott Farash, Project Manager
scott.farash@dot.state.fl.us
D7 Modal Planning and Development - MS 7-500
(813) 975-6456 / SC 512-7813

### Blanco, Mitch

From:

scott.farash@dot.state.fl.us

Sent:

Friday, October 01, 2004 9:52 AM

To:

Blanco, Mitch; Romero, John

Cc:

megan.arasteh@dot.state.fl.us

Subject:

Park Rd/Sam Allen Rd Road PD&E Study - WPI Seg. No. 257862-1 Draft Pond Site Report

comments



25455212207SamAl lenRoadandPark...

Here are comments on the Report from our Drainage Design Dept.

Scott Farash, Project Manager scott.farash@dot.state.fl.us D7 Modal Planning and Development - MS 7-500 (813) 975-6456 / SC 512-7813

---- Forwarded by Scott Farash/D7/FDOT on 10/01/2004 09:47 AM ----

Megan

Arasteh/D7/FDOT

09/30/2004 06:13 PM

Scott Farash/D7/FDOT@FDOT

То CC

Kirk R Bogen/D7/FDOT@FDOT

Subject

Sam Allen Road and Park Road PD&E (Alternat ive Stormwater Management Facility Report)

Attached please find the Drainage Review comments for the above project.

(See attached file: 25455212207SamAllenRoadandParkRoadPSR.doc)

Sam Allen Road and Park Road PD&E
Alternative Stormwater Management Facility Report
FPID 254552-1-22-07
September 21, 2004
Scott Farash, FDOT
Parsons, Brinkerhoff, Quade, & Douglas, Inc.
Mitch Blanco, PBQD
Thomas Ward, PBSJ

			·
REF I	<u> 10.</u>	DRW. CODE	COMMENTS
			<u>Drainage Documentation</u>
1.	Gen	EDX	It is difficult for the reviewer to verify drainage patterns using only USGS Quadrangle Maps. Please include SWFMWD aerial contours maps with next submittal.
2.	Gen	EDX	Please delineate parcels with parcel identification numbers on aerial maps to show that the pond site alternatives are on one parcel and are in an economical location.
3.	i	EDP	Basins B and C include flood plain impacts. The executive summary indicates that the Floodplain Compensation (FPC) " was located upstream of the Basin". Please coordinate with the SWFWMD to ensure an acceptable floodplain compensation approach. Normally the SWFWMD requires "cup for cup". In some cases, the SWFWMD may accept an approach that provides most of the volume at lower elevations as long as they are hydraulically connected to the low area(s) of impact(s). In other cases where the compensation site is above the floodplain impact areas and the contributing area is sufficient to provide the compensatory volume, the SWFWMD may require surface modeling to show that adverse impacts will not be created to the floodplain in the low area. Please document which approach is utilized.
4.	Gen.	EDP	For Basin A, it does not appear that existing drainage patterns travel to the same path as for the proposed pond outfall. For example: Existing runoff north of Sam Allen Road will travel east along the north side of the roadway to S-9. The proposed runoff will be directed to SMF A and discharged through S-12, conveyed northerly in the existing ditch to the upstream end of S-9. This change in drainage

patterns over estimates the allowable discharge to the upstream end of S-9 and may create an impact along the north-south ditch. In addition, the cross drains and conveyance ditches downstream of the pond will have to be evaluated to accommodate runoff from roadway widening, offsite flow and discharge from the proposed the pond. This basin requires re-analysis with the following alternatives: (1) over attenuate the runoff to match the predevelopment conveyance at the upstream end of the cross drains, ditches downstream of the pond, and include additional R/W requirements. (2) create an alternative cross drain and/or conveyance ditch(es)/outfall from the pond including additional R/W requirements. This report must document which approach is utilized and include the cost associated with the viable alternative.

5. Gen. EDC

It appears that the proposed pond site in Basin C is on the upstream side of the alignment. Please see the above comment and provide one of the alternatives and additional cost necessary.

6. Gen. EDX

It appears that the source used to determine attenuation volume that is referenced in Section 4.1 may be incorrect. Please verify the page number (51?) and FDOT Stormwater Facility Handbook (January 2004?).

7. Gen. EDX

Please complete information identified on Tables 7, 8, 9 & 10 regarding archaeological sites, historical structures, protected/endangered species, wetland involvement, wetland mitigation methods/costs and R/W costs.

### **Plans**

1. Gen.

Plans were not available for this phase review.

### Park Rd./Sam Allen Rd. PD&E Study WPI Seg No. 257862-1 Draft Pond Siting Report Response to Comments October 18, 2004

### Response to Comments from Kirk Bogen, District Project Development Engineer

### Cover Page

1. Use WPI Seg No. 257862 instead of Districtwide FPN (make this correct throughout document).

Response: Reference to Districtwide FPN has been removed from throughout the report and has been replaced with the WPI Seg Number.

2. Include FAP No in description.

Response: FAP No has been included in the description.

3. Remove reference to Consultant from cover sheet.

Response: Reference to Consultant has been removed from the cover. Consultant information remains inside the front cover.

### Page ii

4. Provide footnote for abbreviations which are not inherent (i.e. LEOP).

Response: Low Edge of Pavement (LEOP) has been spelled out in the tables.

5. The environmental data needs to be included before site selection can begin.

Response: Environmental data is included in this submittal. However, information on contamination is to be provided by the FDOT and will be included in the final submittal.

### Page 7

6. In section 2.1.1, was the local governments maintenance section contacted for local flooding problem since these are local roads.

Response: Park and Sam Allen are County roads; therefore Hillsborough County Maintenance was contacted for any history of flooding along the project area. Section 2.1.1 has been revised to reflect this information.

### Appendix G

7. Report should contain SWFWMD contours map with basins delineated to support the calculations. The quad maps are at too small of a scale to verify.

Response: SWFWMD contoured aerials, showing drainage basins, SMF and FPC sites have been included in Appendix H.

### Response to Comments from Drainage Design

### **Drainage Documentation**

1. It is difficult for the reviewer to verify drainage patterns using only USGS Quadrangle Maps. Please include SWFWMD aerial contours maps with next submittal.

Response: SWFWMD contoured aerials, showing drainage basins, SMF and FPC sites have been included in Appendix H.

2. Please delineate parcels with parcel information numbers on aerial maps to show that the pond site alternatives are on one parcel and are in an economical location.

Response: Ponds and Flood Plain Compensation sites have been shown on Hillsborough County Property Appraiser's Maps and are included in Appendix G.

3. Basins B and C include flood plain impacts. The executive summary indicates that the Floodplain Compensation (FPC) "...was located upstream of the Basin...". Please coordinate with the SWFWMD to ensure an acceptable floodplain compensation approach. Normally the SWFWMD requires "cup for cup." In some cases, the SWFWMD may accept an approach that provides most of the volume at lower elevations as long as they are hydraulically connected to the low area(s) of impact(s). In other cases where the compensation site is above the floodplain impact areas and the contributing area is sufficient to provide the compensatory volume, the SWFWMD may require surface modeling to show that adverse impacts will not be created to the floodplain in the low area. Please document which approach is utilized.

Response: In the vicinity of the East Canal and just south of South Allen Road, the 100 Year Base Flood elevation is 108. Approximately 2000 feet south, the 100 Year Base Flood elevation jumps to 109, a gradient of only 0.05%. The proposed site for FPC B-1, located east of East Canal, adjacent to the floodplain, has an average existing ground elevation of 110.5 and a low elevation of 109. Therefore, although FPC B-1 is located upstream of the impact, this should not have an adverse affect on the floodplain adjacent to Sam Allen Road given the slight gradient of the existing flood plain and a minor difference of 1 foot between the Base Flood elevation and the existing ground elevation at the FPC site.

The proposed site for FPC C-1, located west of East Canal, adjacent to the floodplain, has an average existing ground elevation of 111 and a low elevation of 108. Therefore, although FPC C-1 is located upstream of the impact, this should not have an adverse affect on the floodplain adjacent to Sam Allen Road given the slight gradient of the existing flood plain.

4. For Basin A, it does not appear that the existing drainage patterns travel to the same path as for the proposed pond outfall. For example: Existing runoff north of Sam Allen Road will travel east along the north side of the roadway to S-9. The proposed runoff will be directed to SMF A and discharged through S-12, conveyed northerly in the existing ditch to the upstream end of S-9. This change in drainage patterns over estimates the allowable discharge to the upstream end of S-9 and may create an impact along the north-south ditch. In addition, the cross drains and conveyance ditches downstream of the pond will have to be evaluated to accommodate runoff from roadway widening, offsite flow and discharge from the proposed pond. This basin requires re-analysis with the following alternatives: (1) over attenuate the runoff to match the predevelopment conveyance at the upstream end of the cross drains, ditches downstream of the pond, and include additional R/W requirements. (2) create an alternative cross drain and/or conveyance ditch(es)/outfall from the pond including additional R/W requirements. This report must document which approach is utilized and include the cost associated with the viable alternative.

Response: In the existing condition, runoff from Sam Allen Road (east of Park Road) and offsite runoff from east of Wilder Road and south of Sam Allen Road is conveyed to both S-10 and S-11. The majority of the runoff discharges through S-10. However, it appears that S-11 serves as a "pop-off" for this drainage area as well, discharging to the upstream end of S-9. As shown in the report, the preliminary drainage design for Basin A includes offsite from east of Wilder Road and from the south of Sam Allen Road being allowed to enter SMF A-1. It is agreed that the existing path for a majority of this offsite flow is altered in the proposed condition. However, per the calculations provided in Appendix C, almost twice the required attenuation is

provided within SMF A-1. The intent is to provide over attenuation within the pond so that S-9 will not be overtopped. In addition, the final drainage design for Basin A will be refined during the design phase.

Other considerations for the drainage design for Basin A include:

- a) Bypassing runoff from Sam Allen Road (east of Park Road) and offsite runoff from east of Wilder Road and south of Sam Allen Road by connecting directly to S-9. Compensatory treatment could be provided within the pond. Over attenuation would not be required and may reduce the size of the pond.
- b) Treat only the DCIA and either keep or reduce the size of the pond to provide over attenuation so that S-9 is not adversely affected.
- c) Any combination of the above.

Again, the final option will be decided during the design phase.

5. It appears that the proposed pond site in Basin C is on the upstream side of the alignment. Please see the above comment and provide one of the alternatives and additional cost necessary.

Response: The proposed pond alternatives in Basin C are adjacent to a relatively large low area, which will more than likely be able to accept increased discharges. There are also two existing cross drains, S-2 and S-3 north of the pond sites. Over attenuation can also be provided for within the selected pond, making sure that the downstream culverts and properties are adversely affected. Another option would be the use of a "smart box" on the stormsewer mainline so that pre/post attenuation does not increase to unacceptable levels. However, as with Basin A, the final design will be determined during the design phase.

6. It appears that the source used to determine attenuation volume that is referenced in Section 4.1 may be incorrect. Please verify the page number (51?) and FDOT Stormwater Facility Handbook (January 2004?).

Response: The latest FDOT Stormwater Facility Handbook came out in January of 2004. The referenced source is correct.

7. Please complete information identified on Tables 7, 8, 9 & 10 regarding archaeological sites, historical structures, protected/endangered species, wetland involvement, wetland mitigation methods/cost and R/W costs.

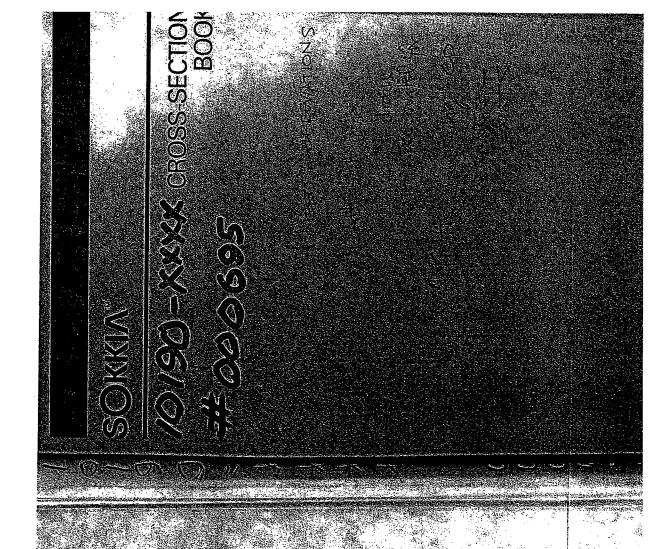
Response: Tables 7, 8, 9 & 10 have been completed with regards to archaeological sites, historical structures, protected/endangered species, wetland involvement, wetland mitigation methods/cost and R/W costs. Information on contamination is to be provided by the FDOT and will be included in the final submittal.

### Plans

1. Plans were not available for this phase review.

Response: Noted.

## Appendix H Survey Field Notes



# SOKKAT

## 、 X 山 い コ ス H

ROAD **∆**2₹ 553/PARK ROAD SBO/SAM ALLEN XXXX - 06 0 257862-1 2000 (N) (A) (A) ス ム の

SURVEY LINE OF THE PURPOSED C.R. 580/SAMALLEN ROAD FROM: A QUARTER MILE WEST DFTHE S.R. 39

A GUARTER MILE EAST OF PARK ROAD 10:

AND ALSO

FROM: 1200 FEET SOUTH OF C.R. S 80/SAM ALLEN ROAD S.R.39

1200 FEET NORTH OF C.R. S80/SAM ALLEN ROAD

.. 0 F

ALSO S.R. 553/PARK ROAD A A A

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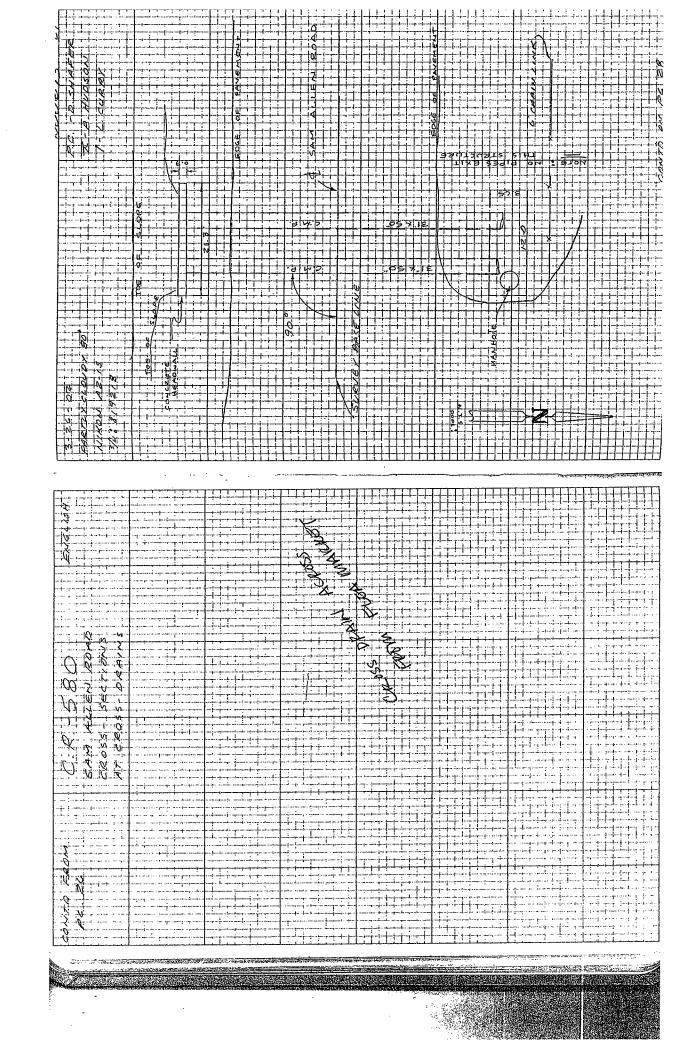
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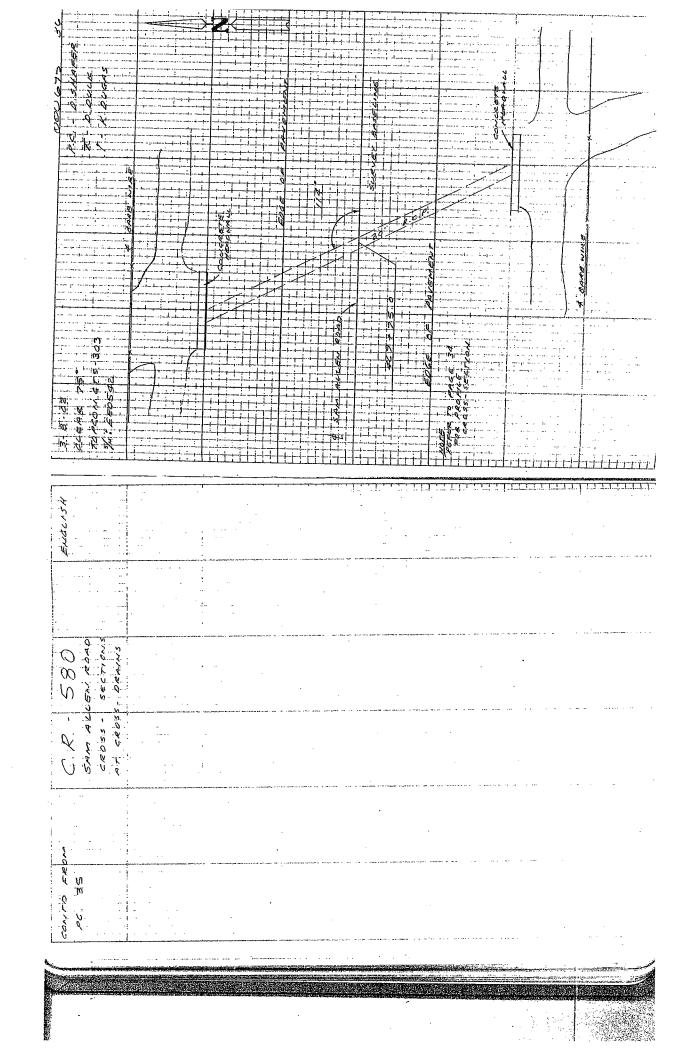
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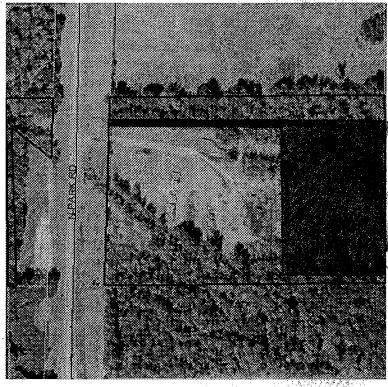
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## Appendix I SMFs and FPCs Shown on Property Maps





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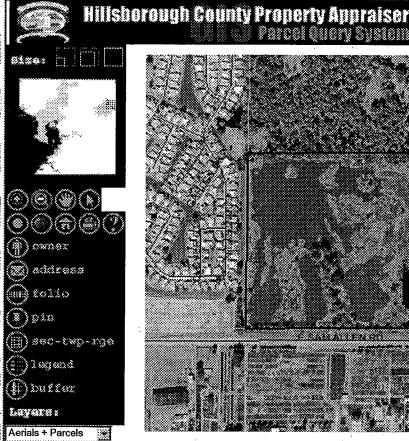
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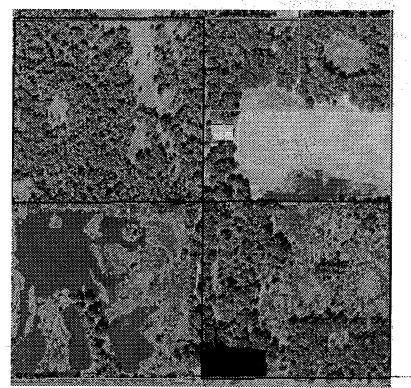
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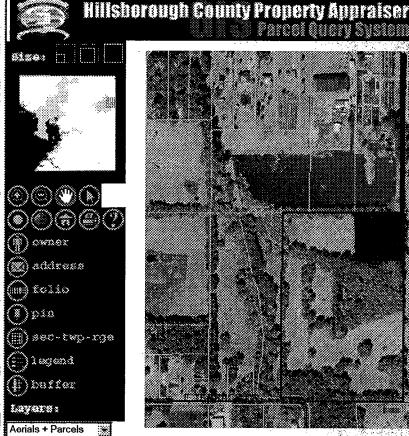
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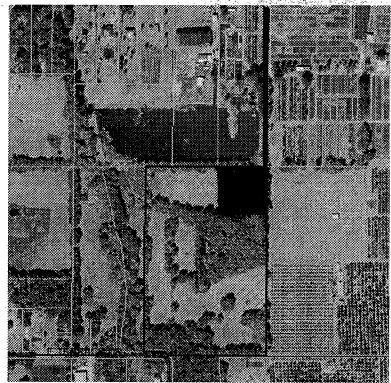
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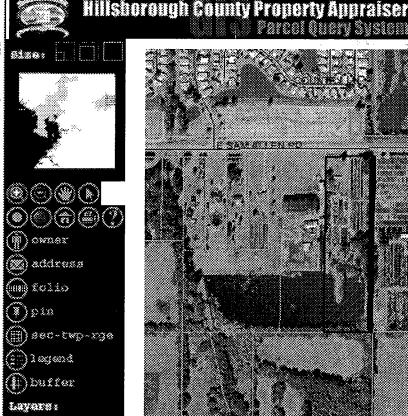
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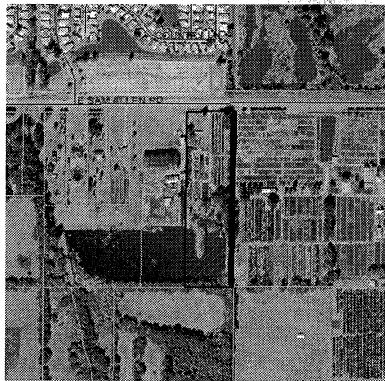
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Aerials + Parcels

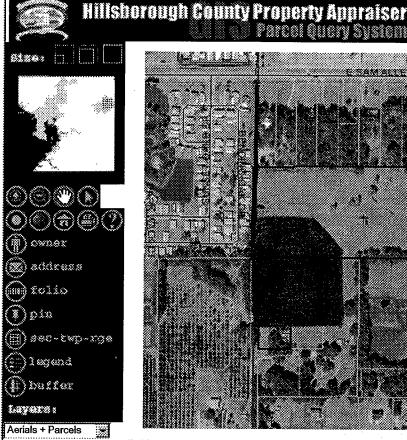


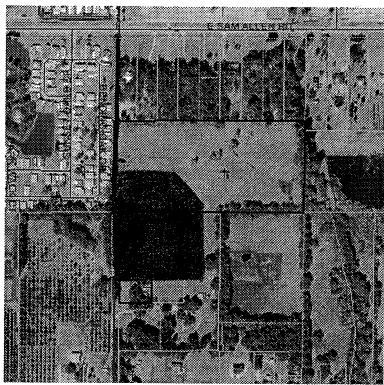
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Copyright 2002. Hillsborough County Property Appraiser.

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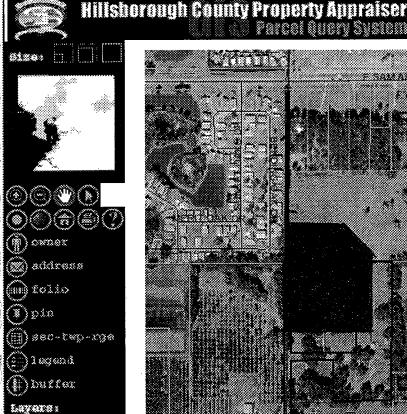
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Aerials + Parcels



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VIEW CAMA INFORMATION

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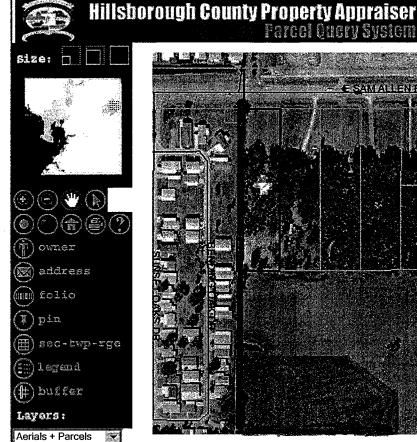
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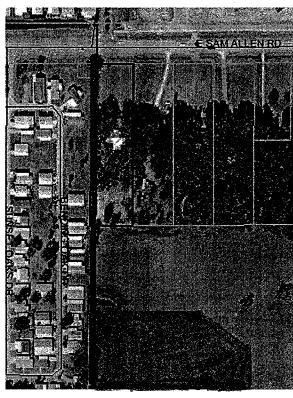
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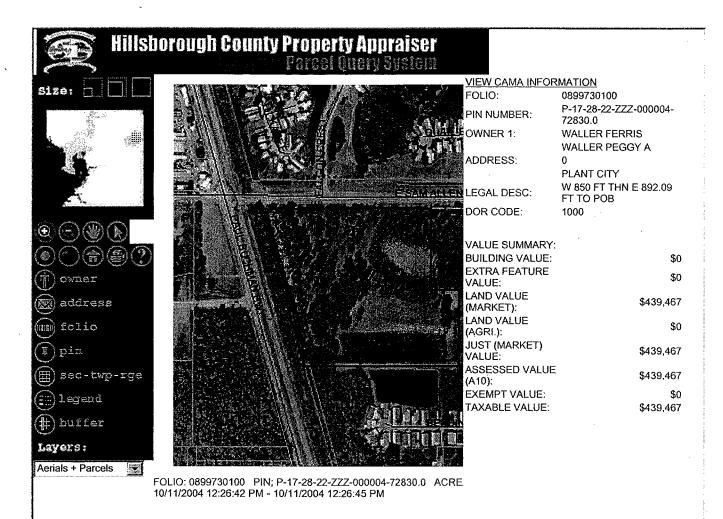
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Copyright 2002. Hillsborough County Property Appraiser.

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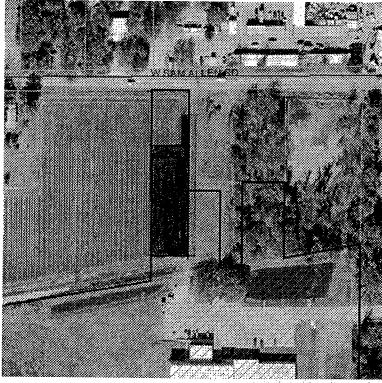
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Aerials + Parcels



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# Appendix J Draft Cultural Resource Assessment Survey Technical Memorandum

### DRAFT CULTURAL RESOURCE ASSESSMENT SURVEY TECHNICAL MEMORANDUM

#### PARK ROAD/SAM ALLEN ROAD FROM I-4 TO ALEXANDER STREET EXTENSION PROPOSED POND AND FLOODPLAIN COMPENSATION (FPC) SITE ALTERNATIVES HILLSBOROUGH COUNTY, FLORIDA

Work Program Item Number: 257862 1 Federal Aid Project Number: 0295-005

Prepared for:

Florida Department of Transportation District Seven 11201 North McKinley Drive Tampa, Florida 33612-6456

Prepared by:

Archaeological Consultants, Inc. 8110 Blaikie Court, Suite A Sarasota, Florida 34240

In association with:

Parsons Brinckerhoff 5405 West Cypress Street, Suite 300 Tampa, Florida 33607

August 2004

# CULTURAL RESOURCE ASSESSMENT SURVEY TECHNICAL MEMORANDUM PARK ROAD/SAM ALLEN ROAD FROM I-4 TO ALEXANDER STREET EXTENSION PROPOSED POND AND FLOODPLAIN COMPENSATION (FPC) SITE ALTERNATIVES HILLSBOROUGH COUNTY, FLORIDA

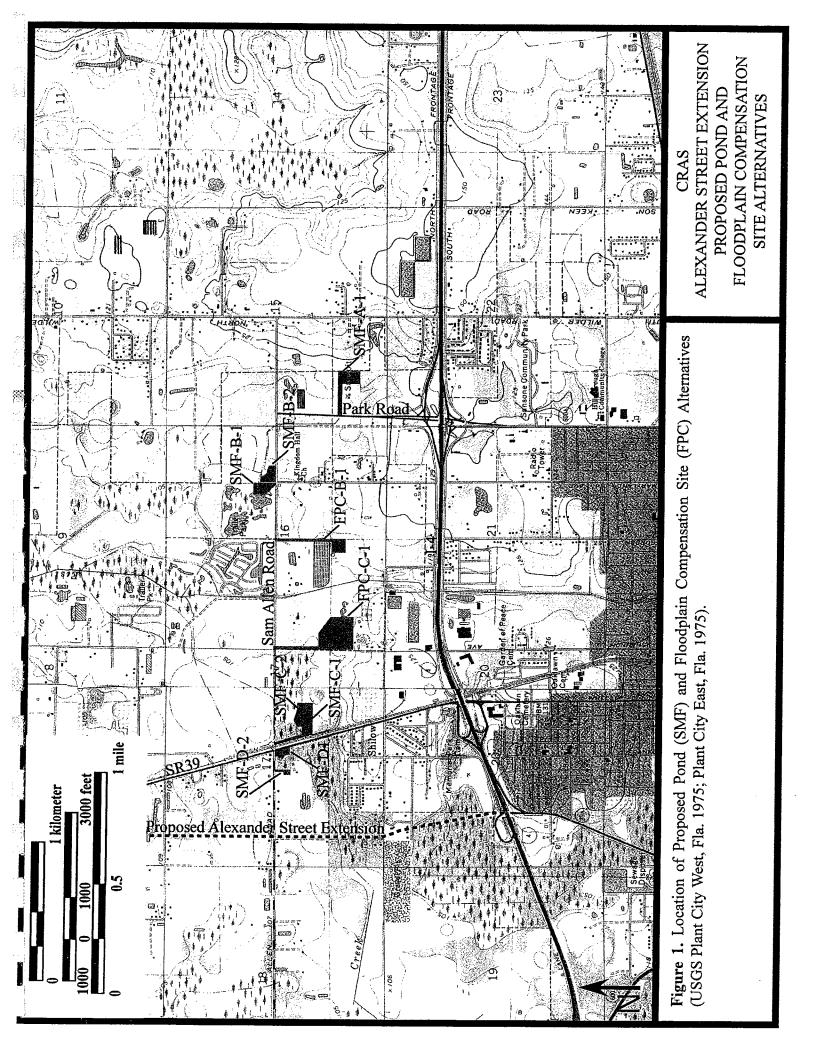
#### 1.0 INTRODUCTION

Archaeological Consultants, Inc. (ACI) conducted field survey of nine proposed pond and floodplain compensation (FPC) site alternatives for the Florida Department of Transportation (FDOT) as part of their Project Development and Environment (PD&E) Study for proposed improvements to Park Road/Sam Allen Road from I-4 to Alexander Street Extension in Hillsborough County, Florida. The proposed pond and FPC sites are located in Sections 15, 16 and 17 of Township 28 South, Range 22 East (USGS Plant City West, Fla. 1975; Plant City, East, Fla. 1975) (Figure 1).

The purpose of the survey was to locate and identify any prehistoric and historic period archaeological sites and historic structures located within or adjacent to the nine proposed pond and FPC site alternatives, and to assess their significance in terms of eligibility for listing in the NRHP according to criteria set forth in 36 CFR Section 60.4. This work was conducted in compliance with the provisions of the National Historic Preservation Act of 1966 (Public Law 89-665), as amended, and the implementing regulations 36 CFR 800, as well as with the provisions contained in the revised Chapter 267, Florida Statutes (F.S.). The historical/architectural and archaeological surveys were conducted in August 2004. All work was carried out in conformity with Part 2, Chapter 12 ("Archaeological and Historical Resources") of the Florida Department of Transportation's Project Development and Environment Manual (revised January 1999), and the standards contained in "The Historic Preservation Compliance Review Program of the Florida Department of State, Division of Historical Resources" Manual (revised November 1990). Field surveys were preceded by background research. Such work served to provide an informed set of expectations concerning the kinds of cultural resources which might be anticipated to occur within the project's Area of Potential Effect (APE), as well as a basis for evaluating any new sites found.

#### 2.0 BACKGROUND RESEARCH

A review of archaeological and historical literature and data pertaining to the project was conducted. The purpose of this research was to ascertain the types of cultural resources known in the project vicinity, their temporal/cultural affiliations, site location information, and other relevant data. This review focused primarily on the background



research and field survey results conducted previously for the Park Road/Sam Allen Road PD&E Study (ACI 2003). Other relevant surveys included those for segments of SR 39 (ACI 1992, 1999), the Alexander Street Bypass/Alexander Street Extension (ACI 2000, 2002), Park Road (Estabrook 1992), and Interstate 4 (Janus Research/Piper Archaeology 1992)

Cultural resource assessment survey of the Park Road/Sam Allen Road PD&E Study resulted in the identification and evaluation of eight historic resources, including four previously recorded Frame Vernacular style residences. None is located within or adjacent to any proposed pond or FPC site alternative. No archaeological sites were found within the PD&E Study project. The only archaeological evidence discovered was a single waste flake. This artifact find was designated as an "archaeological occurrence."

A check of the Florida Master Site File (FMSF), conducted in August 2004, indicated that 13 recorded archaeological sites are located within approximately one mile of the proposed pond and FPC site alternatives. Most of these sites are lithic and artifact scatters, characterized by small areal extent and limited artifact density. None is considered potentially eligible for listing in the NRHP.

Based upon the results of background research, all proposed pond and FPC site alternatives were assigned to one of three site potential categories: high, moderate, and low. For prehistoric period archaeological sites, distance to a fresh water source, soil type and drainage, relative elevation, proximity to known sites, and overall integrity (i.e., the degree of modern land alterations) were the key variables used in the classification of each proposed pond and FPC site alternative. The potential for historic period archaeological sites was assessed on the basis of previous documentary research. As a result, all nine proposed pond and FPC site alternatives were considered to have a low site potential given the poorly drained soils, distance from a freshwater source. If present, the most typical aboriginal site types expected to occur were small, low artifact density lithic and/or artifact (lithic-ceramic) scatters. Based upon an examination of the nineteenth century federal surveyor's plat and field notes, no homesteads, forts, battle sites, military trails, or Native American (Seminole) encampments were expected.

Examination of the USDA's 1954 Soil Survey of Hillsborough County (compiled from 1948 aerials) indicated an absence of potential historic resources (50 years of age or older) within or adjacent to the proposed pond and FPC site alternatives.

#### 3.0 SURVEY METHODS AND RESULTS

Historical/architectural field survey consisted of a reconnaissance of the land within and adjacent to the nine proposed pond and FPC site alternatives. As a result, no historic resources were identified. These findings are consistent with the preliminary background research.

Archaeological field survey included both ground surface inspection and systematic subsurface testing. Despite the generally low archaeological site potential for all site alternatives, most were archaeologically tested at a 164 ft interval. A total of 48 shovel tests were excavated within all but one of the alternatives (Table 1; Figure 2). Access for survey was denied by the owner of the Hoof & Horn Slaughterhouse property, site of the proposed FPC-C-1 alternative. All shovel tests measured 1.6 ft in diameter, and were excavated to a minimum depth of 3.3 ft. All soil removed was screened through a 0.25 inch mesh hardware cloth to maximize the recovery of cultural materials.

Table 1. A Summary of Archaeological Testing Results.

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SMF-A-1	28S/22E/15	Low	5	Negative
FPC-B-1	28S/22E/16	Moderate/Low	9	Negative
SMF-B-2	28S/22E/16	Moderate/Low	3	Negative
SMF-B-1	28S/22E/16	Low	3	Negative
FPC-C-1	28S/22E/16	Low	0	Access denied
SMF-C-1	28S/22E/17	Low	10	Negative
SMF-C-2	28S/22E/17	Low	13	Negative
SMF-D-1	28S/22E/17	Low	2	Negative
SMF-D-2	28S/22E/17	Low	3	Negative

As a result, no new archaeological sites were discovered within the proposed pond and FPC site alternatives. Existing conditions varied from unimproved land (Photos 1 and 2) to active agricultural use (Photo 3).

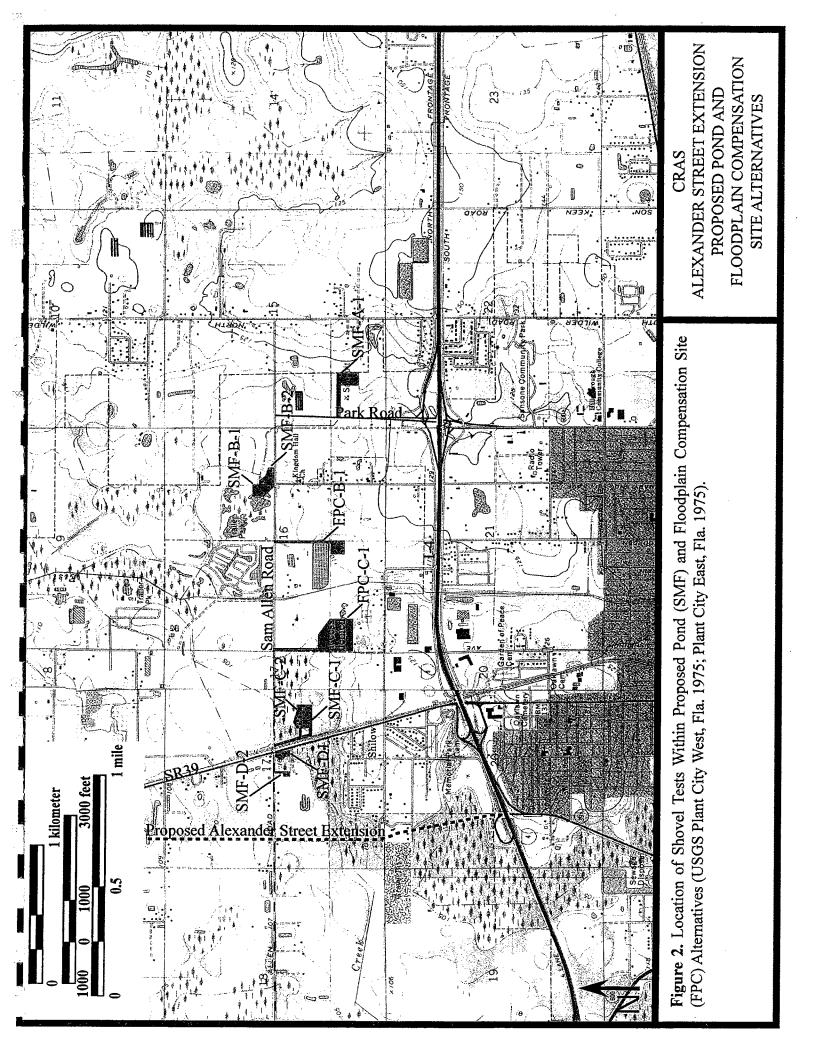




Photo 1. Looking east at SMF-B-2.



Photo 2. Looking east at SMF-C-2.

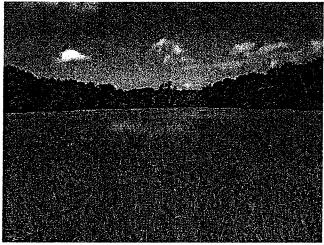


Photo 3. Looking north within the FPC-B-1 outfall area.

#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

Background research and archaeological and historical/architectural field surveys indicated that no previously or newly recorded cultural resources are located within or adjacent to any of the proposed pond and FPC site alternatives. Therefore, project development will have no involvement with any cultural resources, including archaeological sites and historic resources, which are listed, determined eligible, or considered potentially eligible for listing in the NRHP. Although survey of proposed FPC-C-1 was not possible, this alternative is considered to have a low archaeological site potential, and therefore, no further work is recommended.

#### 5.0 REFERENCES CITED

Archaeological Consultants, Inc. (ACI)

- 1992 A Cultural Resources Survey of State Road 39 from I-4 to U.S. 301 in Hillsborough and Pasco Counties. Manuscript on file, FDOT, District Seven, Tampa and ACI, Sarasota.
- 1999 Cultural Resource Assessment Survey Technical Memorandum, SR 39 from I-4 to U.S. 301 Project Development and Environment (PD&E) Reevaluation, Hillsborough and Pasco Counties. Manuscript on file, FDOT, District Seven, Tampa and ACI, Sarasota.
- 2000 Technical Memorandum. Preliminary Cultural Resource Assessment Survey of Two Proposed Alignments for the Alexander Street Bypass, Hillsborough County, Florida. Manuscript on file, FDOT, District Seven, Tampa and ACI, Sarasota.
- 2002 Cultural Resource Assessment Survey Update Technical Memorandum, Alexander Street Extension (CR 39) from north of I-4 (SR 400) to north of Knights Griffin Road, Proposed Pond and Floodplain Compensation Site (FCS) Alternates, Hillsborough County. Manuscript on file, FDOT, District Seven, Tampa and ACI, Sarasota.
- 2003 Cultural Resource Assessment Survey Report, Park Road/Sam Allen Road Project Development and Environment (PD&E) Study from I-4 to Alexander Street Extension, Hillsborough County, Florida. Manuscript on file, FDOT, District Seven, Tampa and ACI, Sarasota.

#### Estabrook, Richard W.

1992 A Cultural Resource Assessment Survey of Park Road from U.S. 92 to I-4, Hillsborough County, Florida. Manuscript on file, Division of Historical Resources, Tallahassee.

#### Janus Research/Piper Archaeology

1992 A Cultural Resource Assessment Survey of the Interstate 4 Improvements Project Right-of-Way from 50<sup>th</sup> Street to the Hillsborough/Polk County Line, Hillsborough County, Florida. Manuscript on file, Division of Historical Resources, Tallahassee.

#### United States Department of Agriculture (USDA)

- 1954 Soil Survey of Hillsborough County, Florida. Soil Conservation Service, Washington D. C.
- 1989 Soil Survey of Hillsborough County, Florida. Soil Conservation Service, Washington D. C.

#### United States Geological Survey (USGS)

- 1975 Plant City West, Fla. Quadrangle Map, MR 1983.
- 1975 Plant City East, Fla. Quadrangle Map, PR 1987, MR 1993.

ATTACHMENT Survey Log Sheet Form Date 8/31/04

#### Survey Log Sheet

FMSF Survey#

FMSF USE ONLY

Florida Master Site File Version 2.0 9/97

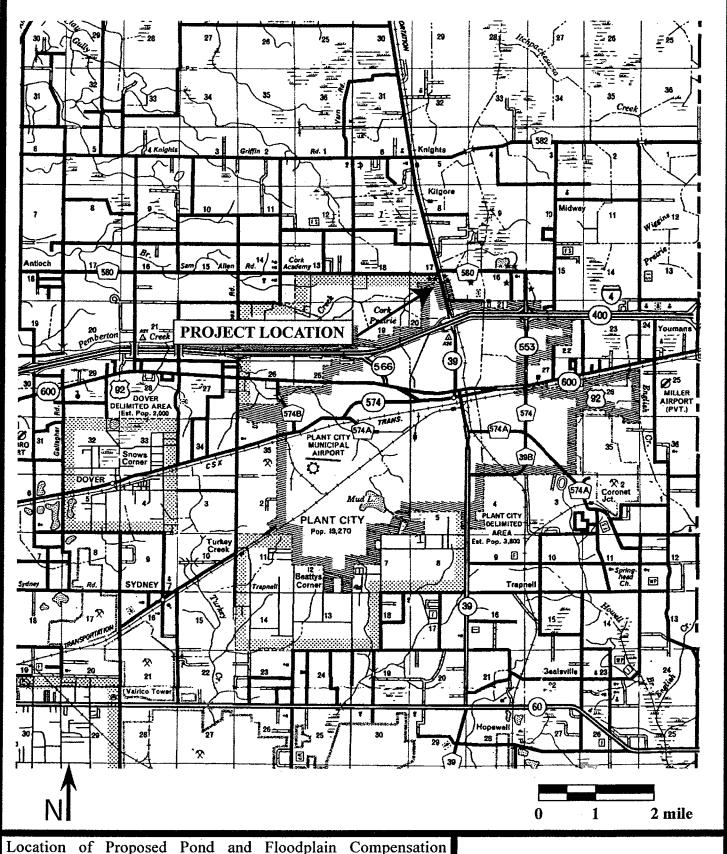
Consult Guide to the Survey Log Sheet for detailed instructions.

Recorder of Log Sheet Joan Deming
Identification and Bibliographic Information
Survey Project (Name and project phase) Phase I, Park Road/Sam Allen Road, Proposed Pond and Floodpla
Compensation Site Alternatives
Is this a continuation of a previous project? No X Yes Previous survey#(s)
Report Title (exactly as on title page)  CRAS Technical Memorandum, Park Road/Sam Allen Road from I-4 to
Alexander Street Extension Proposed Pond and Floodplain Compensation (FPC) Site Alternatives, Hillsborough County, Florida
Report Author(s) (as on title page-individual or corporate) Archaeological Consultants, Inc. (ACI)
Archaeological Consultants, Inc. (ACI)
Publication Date (month/year) 8/04 Total Number of Pages in Report (Count text, figures, tables, not site forms) 8
Publication Information (if relevant, series and no. in series, publisher, and city. For article or chapter, cite page numbers. Use the style of
American Antiquity. See Guide to the Survey Log Sheet.) Archaeological Consultants, Inc.
P.O. Box 5103, Sarasota, FL 34277-5103
Supervisor(s) of Fieldwork (whether or not the same as author[s]) Joan Deming
Affiliation of Fieldworkers (organization, city) Archaeological Consultants, Inc.
Key Words/Phrases (Don't use the county, or common words like archaeology, structure, survey, architecture. Put the most
important first. Limit each word or phrase to 25 characters).  Sam Allen Road, Park Road, Proposed ponds,
Plant City
Survey Sponsors (corporation, government unit, or person who is directly paying for fieldwork)
Name Florida Department of Transportation, District Seven  Address/Phone 11201 N. McKinley Drive, Tampa, FL 33612-6403
11201 N. Motumey Drive, Fampa, F.E. 33012-0403
Mapping
Counties (List each one in which field survey was done-do not abbreviate) Hillsborough
USGS 1:24,000 Map(s): Names/Dates: Plant City West, Fla. 1975, MR 1983; Plant City East, Fla. 1987,
MR 1993
Remarks (Use supplementary sheet[s] if needed)  No new sites discovered. One site alternative was not tested due to
denial of access by the landowner.
Description of Survey Area
Dates for Fieldwork: Start 8/13/04 End 8/18/04 Total Area Surveyed (fill in one) hectares 9 acres
Number of Distinct Tracts or Areas Surveyed
If Corridor (fill in one for each) Widthmetersfeet Lengthkilometersmiles
Types of Survey (check all that apply) X archaeological X architectural X historical/archival underwater other:
HR6E06610-97 Florida Master Site File, Division of Historical Resources, Gray Building, 500 South Bronough St., Tallahassee, FL 32399-0250

#### Survey Log Sheet of the Florida Master Site File

	Research and Field	Methods	
Preliminary Methods (Check as	many as apply to the project as a whole. If nee	eded write others at botte	om).
Florida Archives (Gray Building) Florida Photo Archives (Gray Building FMSF site property search FMSF survey search other (describe)	library research - (local public) library-special collection- (non local Public Lands Survey (maps at DEP local informant(s)		$\overline{\mathbb{X}}$ aerial photography
interpreted as "None.")	pe the proportion of properties at which method		
Check here if NO archaeological	methods were used.	-100%). Il lieeded w	nie others at bottom.
surface collection, controlled surface collection, uncontrolled	other screen shovel test (size	e:)	block excavation (at least 2x2 m)
A shovel test-1/4" screen	water screen (finest size:	/	soil resistivity
shovel test-1/4" screen	posthole tests		magnetometer
shovel test-1/16" screen	auger (size:)		side scan sonar
shovel test-unscreened	coring		unknown
other (describe);	test excavation (at least 1x2	m)	
Check here if NO historical/archite building permits	demolition permits A exposed ground inspected	neighbor interview occupant interview occupation permits	ite others at bottom.  Subdivision maps Subdivision maps unknown
Scope/Intensity/Procedures Esubsurface testing (mostly at 50 m 1 m deep; 1/4" screen. Technical	lackground research; historic struc n intervals) in 8 or the 9 site alternative memorandum prepared.	tures windshield s es. Shovel tests me	urvey; archaeolgical survey with easured .5 m diameter by
	Survey Results (cultural resi	ources recorded)	
Site Significance Evaluated? X Y Site Counts: Previously Recorded Previously Recorded Site #'s (List	•	Newly Recorded	
Newly Recorded Site #'s (Are you records). List site #s without "8." Atta	sure all are originals and not updates? I ch supplementary pages if necessary.	dentify methods used	to check for updates, ie, researched the FMSF
Site Form Used: SmartForm		St	tach copies of written approval from FMSF upervisor and Supervisor-signed form.
DO NOT USE	***************SITE FILE USE ONLY*	**************************************	TUSE
BAR Related			BHP Related
☐ 872 ☐ 1A32 ☐ CARL ☐ UW			State Historic Preservation Grant Compliance Review CRAT#

#### ATTACH PLOT OF SURVEY AREA ON PHOTOCOPIES OF USGS 1:24,000 MAP(S)



Location of Proposed Pond and Floodplain Compensation Alternatives (★). Hillsborough County, Township 28 South, Range 22 East (State Mapping Office 1976).

CRAS
ALEXANDER STREET EXTENSION
PROPOSED POND AND
FLOODPLAIN COMPENSATION
SITE ALTERNATIVES

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## Appendix K Project Area on Aerials & SWFWMD Contoured Aerials