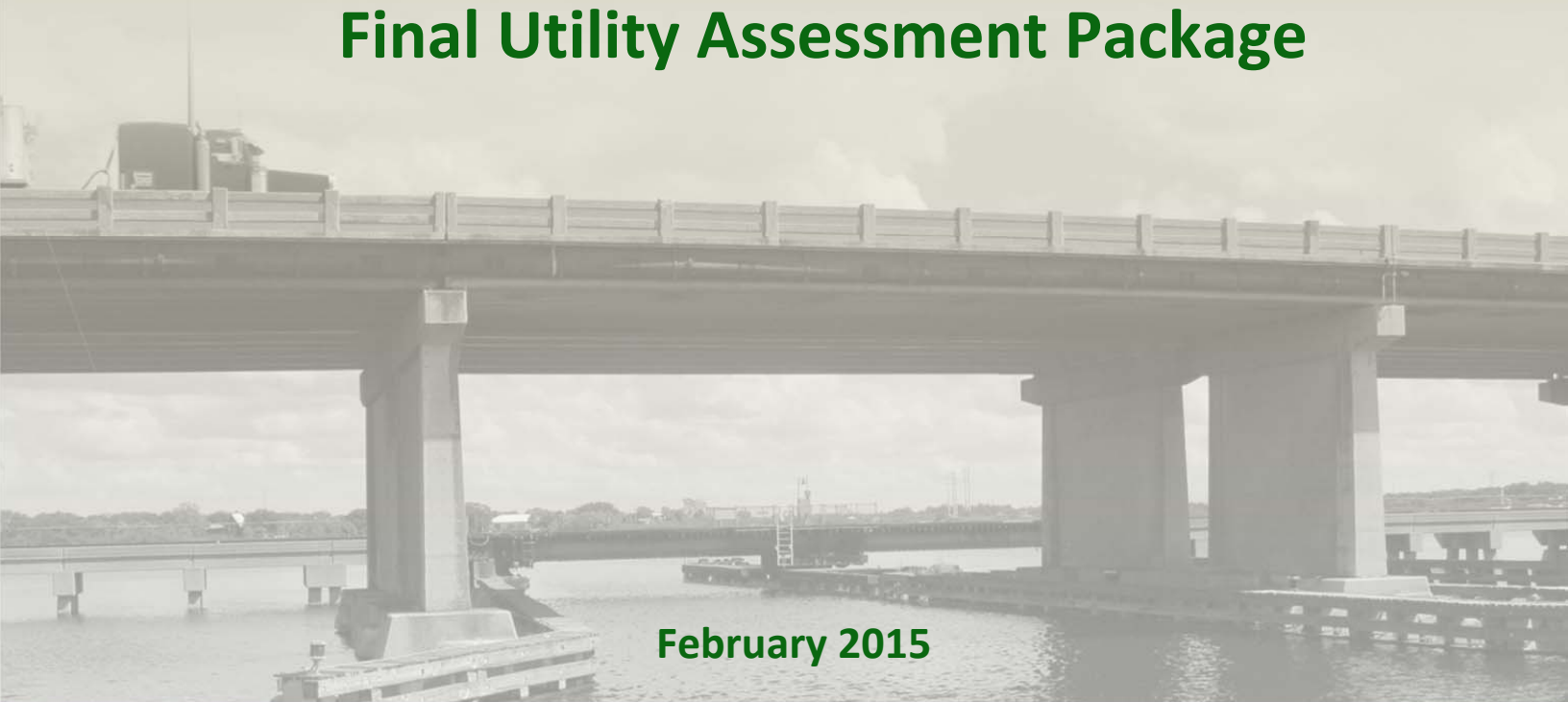


US 41 (SR 45)

From Kracker Avenue to South of SR 676 (Causeway Boulevard)
Project Development and Environment (PD&E) Study



Final Utility Assessment Package



February 2015

US 41 (SR 45)

From Kracker Avenue to South of SR 676 (Causeway Boulevard)

Project Development & Environment (PD&E) Study

Utility Assessment Package

Work Program Item Segment No. 430056 1

ETDM Project No. 5180

Hillsborough County

Prepared for:

Florida Department of Transportation

District Seven



Prepared by:

American Consulting Engineers of Florida, LLC

2818 Cypress Ridge Boulevard, Suite 200

Wesley Chapel, FL 33544

February 2015

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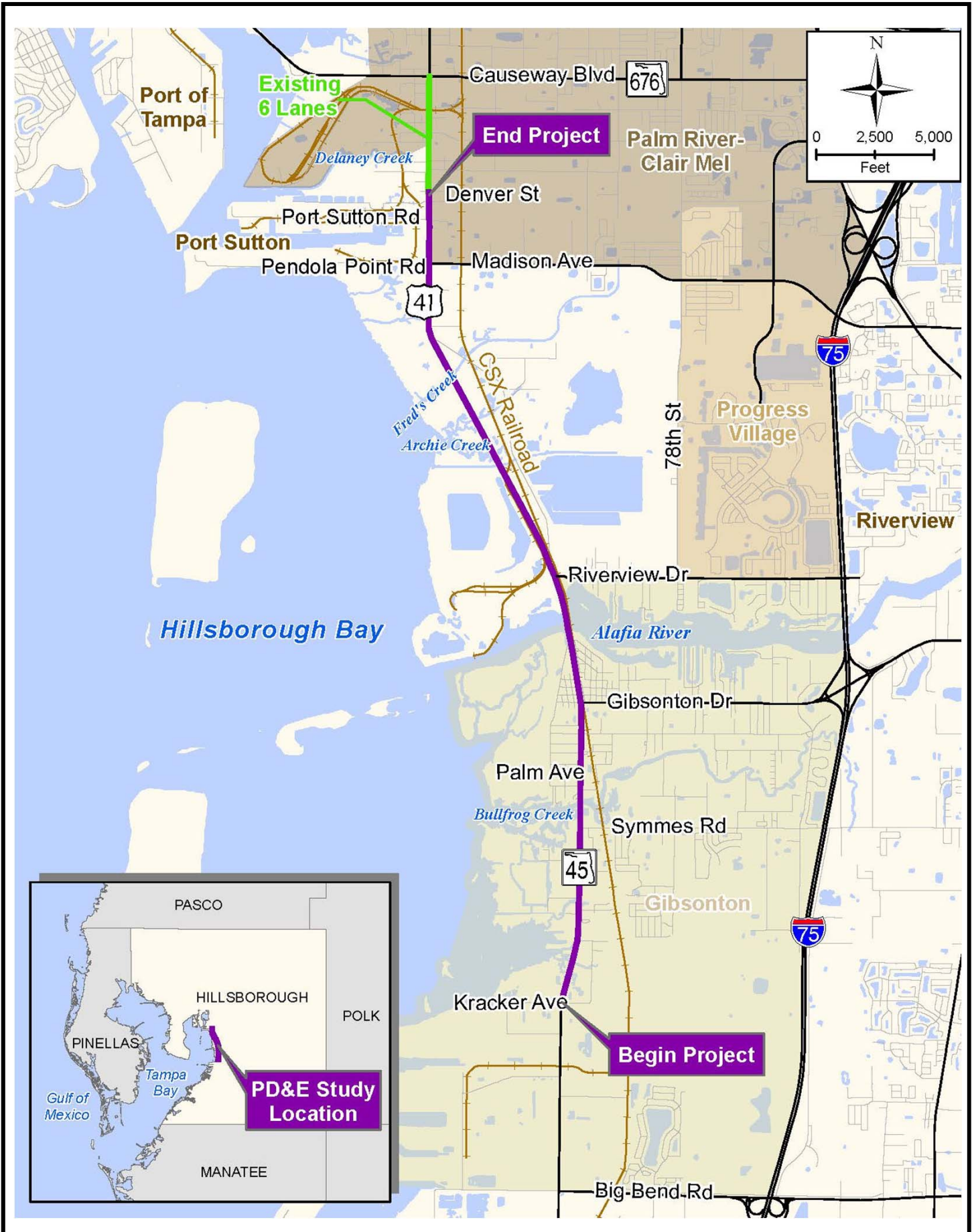
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	<p align="center">US 41(SR 45) PD&E Study From Kracker Avenue to South of SR 676 (Causeway Blvd) WPI Segment No. 430056-1 Hillsborough County</p>	<p align="center">Location and Study Area Map</p>	<p align="center">Figure 1-1</p>
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SECTION 1 INTRODUCTION

1.1 GENERAL

The objective of the *Utility Assessment Package (UAP)* is to provide documented utility information for the purpose of evaluating and considering potential surface and subsurface utility conflicts associated with the proposed project. The UAP is part of the PD&E study to help the Florida Department of Transportation (FDOT or Department) and any federal agencies reach a decision on the type, location, and conceptual design of the necessary improvements to US 41 to safely and efficiently accommodate future travel demand.

1.2 UTILITY ASSESSMENT PACKAGE PROCESS

The beginning of the UAP process is to contact Sunshine State One Call of Florida by an internet ticket entry. As a result, a utility contact list is created of participating members in the project area. Each utility owner on the above list was then contacted and asked to verify ownership or operation of any facilities, existing or proposed, within the US 41 project area. These owners (see list of utility owners in Section 2) were then provided with aerial photography based preliminary conceptual design plans. The owners were asked to mark and return one set of plans with their facilities, or a CADD file with their direct input (if available) and include any other pertinent information. The information was gathered and then referenced onto the Preliminary Conceptual Design Plans included in this report (see **Appendix B**, Preliminary Conceptual Design Plans (includes existing utilities)).

1.3 PURPOSE OF REPORT

The purpose of this report is to document relevant information concerning the location, dimension and characteristics of major utilities discovered to be within the footprint of the proposed widening of US 41. All of the information provided will be used for appropriate consideration in locating the project, minimizing disruption of the surrounding community, and developing the conceptual design typical section. The PD&E Reports can use the information provided and reach whatever conclusions are appropriate based on the information provided.

SECTION 2 EXISTING UTILITIES

2.1 UTILITY OWNERS IN PROJECT AREA

2.1.1 *Bright House Networks*

Linda Sansom, Field Engineer
Construction Department
813-918-0178
linda.sansom@mybriighthouse.com

2.1.2 *Mosaic Fertilizer, LLC*

Donald Phillips
Mosaic, Riverview Facility
813-672-7131, 863-581-0760
donald.phillips@mosaicco.com

2.1.3 *Central Florida Pipeline / Kinder Morgan*

Mark Clark, Supervisor ROW / Maintenance
2101 Gatx Drive, Tampa, Florida 33605
813-781-1718
mark_clark@kindermorgan.com

2.1.4 *Florida Gas Transmission*

Joseph E. Sanchez
2405 Lucien Way, Suite 200, Maitland, Florida 32751
407-838-7171, 407-808-4607
Joseph.e.sanchez@energytransfer.com

2.1.5 *Verizon Florida, LLC*

Daniel Collings, Engineer IV Spec-Network Engineering Ops
7701 E. Telecom Parkway, Temple Terrace, Florida 33637
813-978-2158, 813-957-5005
daniel.collings@verizon.com

2.1.6 *Hillsborough County Traffic Service Unit*

George Aubel
8420 Sabal Island Boulevard, Tampa, Florida 33619
813-612-9109, 813-927-6751
aubelg@hillsboroughcounty.org

2.1.7 Hillsborough County Water Resource Services

Marcelino Diaz
813-209-3083
diazm@hillsboroughcounty.org

2.1.8 Level 3 Communications

Tony Charleston
321-312-3225
relo@level3.com

2.1.9 TECO Peoples Gas Tampa

Phyllis R. Bridges
813-275-3743
pjbridges@tecoenergy.com

2.1.10 TECO Peoples Gas Transmission

Phyllis R. Bridges
813-275-3743
pjbridges@tecoenergy.com

2.1.11 City of Tampa Water

Michael J. O'Keefe, P.E.
306 E. Jackson Street, 5E, Tampa, Florida 33602
813-274-7516
michael.okeefe@tampagov.net

2.1.12 Tampa Bay Pipeline Corporation

Calvin Lockhart
813-623-2431, 813-918-7548
clockhart@tampapipeline.com

2.1.13 City of Tampa Sewer

Dallas Pryor, Drafting Supervisor
2545 Guy Verger Boulevard, 390D3, Tampa, Florida 33605
813-274-8936
dallas.pryor@tampagov.net

2.1.14 Tampa Electric Company

Jason Cooper
813-275-3037
jdcooper@tecoenergy.com

2.1.15 TECO Fiber

Jason Cooper
813-275-3037
jdcooper@tecoenergy.com

2.1.16 Tampa Port Authority

Denise Mackey
Facilities Management, 2120 Guy N. Verger Boulevard, Tampa, Florida 33605
813-241-1706
dmackey@tampaport.com

2.1.17 Yara North America

Craig King
813-996-7841, 813-248-6150
craig.king@yara.com

2.2 DISPOSITION OF EXISTING UTILITIES IN PROJECT AREA

See **Appendix B** for Preliminary Conceptual Design Plans showing the location of existing utilities. A description of the existing facilities is summarized below:

2.2.1 Bright House Networks

Bright House Networks has indicated that 100 percent of their facilities are going to be pole transfers with one exception being at the southwest corner of Lula St and US 41, where they have a small underground portion of cable at that location. All other facilities will have to be pole transfers if TECO has plans for moving any poles.

2.2.2 Mosaic Fertilizer, LLC

Mosaic Fertilizer, LLC has a 20" steel pipeline running from the Riverview Plant guard house to the west side of US 41, then north and crossing US 41 at Riverview Drive. The existing 20" steel pipeline is out of service from the east side of US 41. A 24" HDPE pipeline is connected and then crosses the railroad tracks to the east, and then crosses Riverview Drive to the north side of Riverview Drive and continues east.

2.2.3 Central Florida Pipeline / Kinder Morgan

Kinder Morgan has a 16" liquid petroleum pipeline that crosses US 41 running east and west on the south side of Madison. Kinder Morgan requires a representative onsite for any excavation within 10 feet of its pipeline.

2.2.4 Florida Gas Transmission

Florida Gas Transmission has indicated there is an existing 6.625" o.d.x 0.312" w.t., grade B, natural gas transmission pipeline (FLBXD) that approaches from the southwest side of US 41 and crosses

US41 at Riverview Drive to the northeast side of US 41 and continues north and then northeast away from US 41 at Old US 41A.

2.2.5 Verizon Florida, LLC

Verizon Florida, LLC has indicated there are facilities located on both the west and east side of US 41 and crossing US 41. Existing facilities consist of buried fiber optic cable (foc), overhead telephone cable (ot), buried telephone cable (bt), 4 conduits, 6 conduits, 12 conduits, 16 conduits, and manholes (mh).

2.2.6 Hillsborough County Traffic Service Unit

Hillsborough County Traffic Service Unit has facilities consisting of empty conduit on US 41, west side of roadway, from Symmes Road south to 19th Street; street lights from Symmes Road to Riverview Drive; and signals and equipment on US 41 at the intersections of Symmes Road, Palm Avenue, Gibsonton Drive, Riverview Drive, Madison Avenue, and Port Sutton Road.

2.2.7 Hillsborough County Water Resource Services

Hillsborough County Water Resource Services has water main facilities from the south end of the project, to Riverview Drive; sizes range from 1" to 18". There is an 8" C-900 pvc sanitary force main from north of Ohio Street to Symmes Road, east side of roadway.

Hillsborough County Water Resource Services has advised that there are asbestos concrete pipes in the area. These materials may create a hazardous material work area if encountered. The known pipe locations are labeled on the Preliminary Conceptual Design Plans (Ex: "18" ACP water main").

2.2.8 Level 3 Communications

Level 3 Communications has facilities along the entire project area; there are HDPE (12 count) Duct Bank Casings on the east side of the roadway. Depth of facilities varies (40"-60") and bore under cross streets (100"). Occupation by easement is indicated.

2.2.9 TECO Peoples Gas Tampa

TECO Peoples Gas has facilities starting at the intersection of US 41 and Old US 41 on east side of the roadway, and running north through the end of project area. There are several gas mains that cross US 41 at various locations, and there are high pressure facilities that crosses US 41 near the intersection of US 41 and Madison Ave.

The purple-light blue lines around Madison Avenue are extremely high gas pressure-cannot relocate easily, red one's around 125#'s psig, orange (if any-10#'s psig) , again diameter varies (2"-6").

2.2.10 TECO Peoples Gas Transmission

See responses above.

2.2.11 City of Tampa Water

City of Tampa Water has indicated presence of facilities consisting of the types listed below, beginning at Old US 41 and US 41 and lying at various locations on both sides of roadway north to end of project area and continuing north: 1" Galv water main (wm), 2" CI wm, 6" CI wm, 8" CI wm, 8" DIP wm, 12" CI wm, 12" DIP wm, 16" DIP wm, 24" CI wm, 24" DIP wm.

2.2.12 Tampa Bay Pipeline Corporation

Tampa Bay Pipeline operates 4" and 6" Ammonia pipelines in Hillsborough and Polk Counties. Through the limits of the project, they have two 4 inch lines servicing Mosaic's Riverview Plant and TECO's Big Bend Plant. These two lines run along the west side of US 41 from Port Sutton Rd. to Riverview Drive and Port Sutton Rd to Pembroke Rd.

2.2.13 City of Tampa Sewer

City of Tampa Sewer has indicated no facilities in project area.

2.2.14 Tampa Electric Company

Tampa Electric Company has indicated they have 13.2 kv power lines the entire length of the project area.

2.2.15 TECO Fiber

Tampa Electric Company has indicated they have aerial fiber optic the entire length of the project area.

2.2.16 Tampa Port Authority

Tampa Port Authority has indicated no facilities in project area.

2.2.17 Yara North America

Yara North America did not respond.

SECTION 3 UTILITY RELOCATION COST ESTIMATE

Depending on the location and depth of the utilities, construction of the proposed project will likely require adjustments or relocation of some facilities. Cost for utility adjustments are not included in the total estimated project costs since they will be incurred by the utility owners in many cases. Determination of any utility relocation reimbursement costs will be made by FDOT's legal department during the future design phase.

It should be noted that several utilities are currently located under the existing pavement and would also be under the proposed improvements. The relocation costs could be reduced significantly if these utilities were permitted to remain within the travel way. Approval would need to come from both the utility owners and the FDOT.

Impacts to existing utility facilities can also be reduced or eliminated if Subsurface Utility Engineering (SUE) is performed during the design phase at potential conflict locations (drainage facilities, traffic signals).

Hillsborough County Water Resource Services has stated the following concerning their facilities (Asbestos Concrete Pipe - ACP): "Public Utilities is responsible for all cost relating to FDOT projects.... we will be taking advantage of the project for replacing the ac pipe as part of the project but.. it will not be reimbursable by FDOT. Our facility is not in an easement so we do not have compensable interest. It is impossible to have a good estimate because it is unknown when the project will go to construction. A preliminary guess is \$3 million". They will be replacing the facility with a 20" DIP transmission line as part of the project. Currently, Port Redwing is replacing some of the AC water line as part of their off-site road improvement.

SECTION 4 MITIGATIVE RECOMMENDATIONS

TECO Peoples Gas has advised that there are high pressure gas mains around the US 41 and Madison Avenue intersection. These facilities would be difficult and costly to relocate and may be impacted by the proposed US 41 project. Coordination with utility owners during the design phase would help alleviate possible excessive costs.

Hillsborough County Water Resource Services has advised that there are asbestos concrete pipes in the project area. These materials may create a hazardous material work area and disposal of hazardous materials, if encountered. Utility coordination during the design phase should be done to identify all asbestos concrete pipe locations and therefore help address all environment and safety regulations during construction. Subsurface Utility Engineering (SUE) should also be performed during the design phase to confirm and locate the asbestos concrete pipes (ACP).

LIST OF APPENDICES

Appendix A Correspondence

Appendix B Preliminary Conceptual Design Plans (includes existing utilities)

Appendix A

Correspondence

Hamme, Randal O.

Subject: Utilities Request Package US 41 PDE Study

This message contains attachments delivered via [ShareFile](#).

- US41_Utility_Assessment_Package.zip (33.2 MB)

Download the attachments by [clicking here](#).

Re: Utilities Request Package
US 41 (SR 45) from Kracker Ave. to south of SR 676 (Causeway Blvd.)
Project Development and Environment (PD&E) Study
Hillsborough County, Florida
Work Program Item Segment No.: 430056 1
ETDM Project No.: 5180

Dear Sir/Madam:

American Consulting Engineers of Florida, LLC has been retained by the Florida Department of Transportation (FDOT) to provide professional services, including utility coordination, for a Project Development and Environment (PD&E) Study to evaluate design alternatives for a segment of US 41 (SR 45) from Kracker Avenue to south of SR 676 (Causeway Boulevard) in Hillsborough County, Florida. The project length is approximately 7 miles.

The attached PDFs are provided for your assistance in showing where your existing and/or proposed facilities are located in relation to the preferred design (Note: The project CADD file is also provided for direct input of the facilities into the design file, in lieu of PDF markups). Your cooperation in providing this information is necessary for the Department to reach a decision on the type, design, and, location of the US 41 (SR 45) corridor improvements.

When determining route and design, it is our common obligation to accomplish the improvement without unnecessary cost to the public, whether as taxpayers or rate payers. By providing the following information, the Department can make the most beneficial decision for the public:

- 1) Mark prints in Green Line to show existing facilities
- 2) Provide Cost Estimate of proposed relocation cost and/or reimbursement claims
- 3) Comments/Observations that may help in this study (Asbestos, Switching Building, Lift Station, etc...)
- 4) Mark prints in Brown Line to show future facilities with identified cost

Your assistance in completing this information no later than date is necessary due to the limited time available to the Department to complete State and/or Federal reviews and authorizations.

Please return your **detailed facility descriptions, cost estimates, plan sheets (or CADD file) and any comments** that may help in this study, to me at 2818 Cypress Ridge Blvd., Suite 200, Wesley Chapel, Fl. 33544 by **January 13, 2015**. If you have any questions please do not hesitate to contact me at 813-435-2637 or by email at lweatherby@acp-fl.com

Sincerely,

Larry Weatherby, PE
Deputy Project Manager
American Consulting Engineers of Florida, LLC

Randal O. Hamme



2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, FL 33544
(813) 435-2638 Direct Dial
(813) 435-2600 Main
(813) 435-2601 Fax
rhamme@acp-fl.com Email
www.acp-americas.com Visit us on the Web

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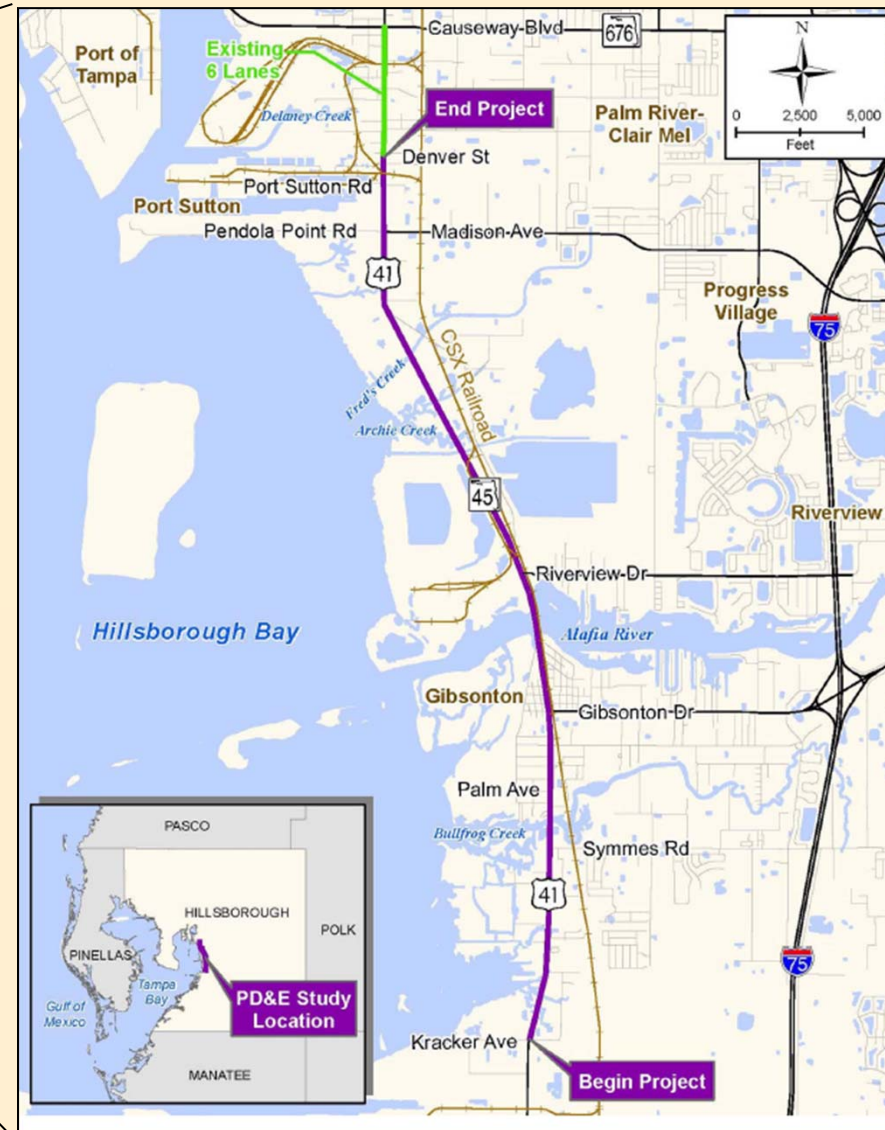
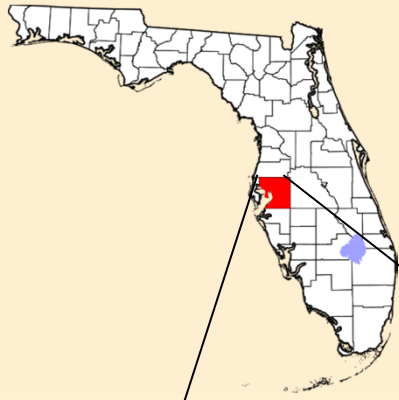
Appendix B

Preliminary Conceptual Design Plans

(includes existing utilities)

Preliminary Conceptual Design Plans

US 41 (SR 45) PD&E STUDY From Kracker Avenue to South of Causeway Blvd (SR 676) WPI Segment Number 430056 1



EXISTING UTILITIES LEGEND	
OTV	OVERHEAD CABLE TELEVISION
BTV	BURIED CABLE TELEVISION
CAS	CASING / CONDUIT
BFO	BURIED FIBER OPTIC
G	GAS PIPELINE
CAS	CASING / PIPELINE
OE	OVERHEAD ELECTRIC
BE	BURIED ELECTRIC
OT	OVERHEAD TELEPHONE
BT	BURIED TELEPHONE
W	WATER LINE
S	SEWER LINE

Prepared For:
The Florida Department of
Transportation District Seven
Environmental Management Office



Prepared By:
American Consulting Engineers of
Florida, LLC
Wesley Chapel Florida

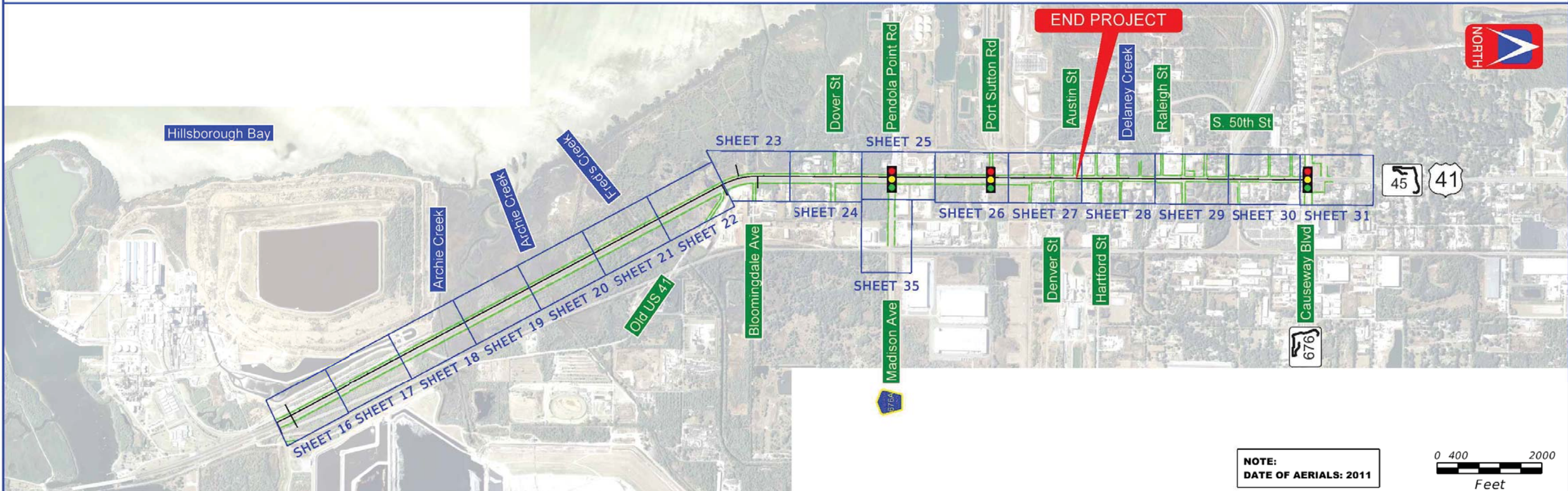
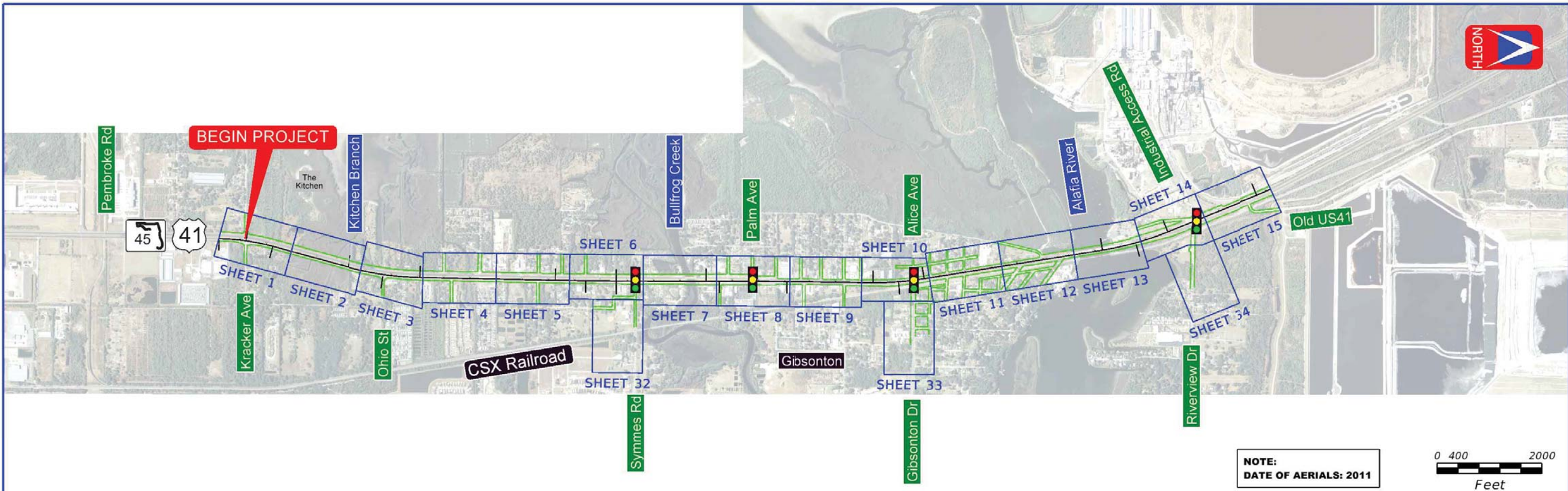
DRAFT

**Recommended
Alignment**

October 2014

With Existing Utilities

FDOT Project Manager: Stephanie Pierce



REVISIONS				AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Sheet Layout	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					US41/SR45	HILLBOROUGH			



BEGIN PROJECT

6" WATER MAIN
HILLS CO WATER

OVERHEAD TELEPHONE
VERIZON FLORIDA

OVERHEAD CABLE
BRIGHTHOUSE
18" WATER MAIN
HILLS CO WATER
4" AMMONIA PIPE
TAMPA BAY PIPELINE

OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO

EMPTY CONDUITS
HILLS CO TRAFFIC
OVERHEAD TELEPHONE
VERIZON FLORIDA

OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO

18" WATER MAIN
HILLS CO WATER



16" WATER MAIN
HILLS CO WATER

PD&E STUDY
WPI No.: 421140-8

Kracker Ave

BURIED TELEPHONE
VERIZON FLORIDA

4" WATER MAIN
HILLS CO WATER

FIBER OPTIC CABLE
VERIZON FLORIDA

4 CONDUITS
VERIZON FLORIDA

12 CONDUITS
LEVEL 3 COMM

CURVE DATA C112
PI STA. = 831+17.17
R = 14' 24.33' 16" (RT)
Δ = 1.0399.61
L = 1.0399.61
PT STA. = 825+94.55
PC STA. = 836+34.16

MATCH LINE STA. 840+00.00

LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		EXISTING ROW		PROPOSED BRIDGE/WALL	0 20 100 Feet	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 1
		POTENTIAL BUSINESS RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL		PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE		PROPOSED ROADWAY				
	POTENTIAL RESIDENTIAL RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL		POTENTIAL IMPROVEMENT BY OTHERS			SIDEWALK / PATH				



THE KITCHEN

Extend/Replace
Culvert

Extend/Replace
Culvert



- 18" WATER MAIN
HILLS CO WATER
- OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO
- OVERHEAD CABLE
BRIGHTHOUSE
- EMPTY CONDUITS
HILLS CO TRAFFIC
- 4" AMMONIA PIPE
TAMPA BAY PIPELINE
- OVERHEAD TELEPHONE
VERIZON FLORIDA

MATCH LINE STA. 840+00.00

MATCH LINE STA. 854+00.00

Kitchen Branch

- 12 CONDUITS
LEVEL 3 COMM
- FIBER OPTIC CABLE
VERIZON FLORIDA
- 4 CONDUITS
VERIZON FLORIDA

LEGEND	WETLANDS OR OTHER SURFACE WATERS BOUNDARY	PROPERTY LINES	PROPOSED BRIDGE/WALL	 Feet	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 2
	POTENTIAL BUSINESS RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL	EXISTING ROW	PROPOSED ROADWAY				
	POTENTIAL RESIDENTIAL RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL	PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE	POTENTIAL IMPROVEMENT BY OTHERS				



OVERHEAD CABLE
BRIGHTHOUSE
EMPTY CONDUITS
HILLS CO TRAFFIC

45 41

OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO

4" WATER MAIN
HILLS CO WATER

OVERHEAD TELEPHONE
VERIZON FLORIDA

HOUSE

4" AMMONIA PIPE
TAMPA BAY PIPELINE

12 CONDUITS
LEVEL 3 COMM

FIBER OPTIC CABLE
VERIZON FLORIDA

4 CONDUITS
VERIZON FLORIDA

18" ACP WATER MAIN
HILLS CO WATER

4" PVC FORCE MAIN
HILLS CO SEWER

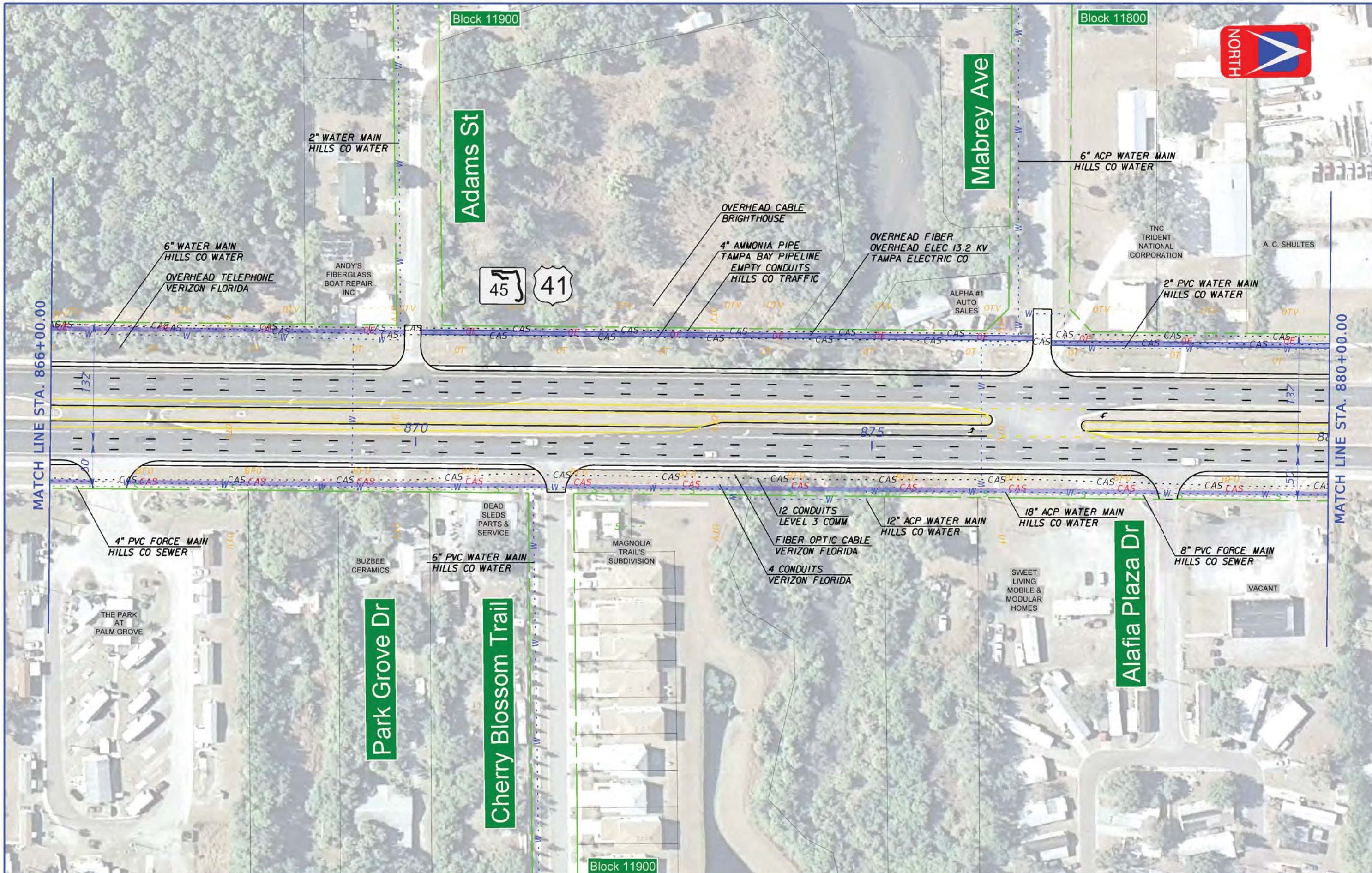
6" ACP WATERMAIN
HILLS CO WATER

Ohio St

Block 12000

CURVE DATA C212
PI STA. = 858+40.80
D = 14° 00' 00" (LT)
T = 711.19
L = 1.415.14
PC STA. = 5.729.58
PT STA. = 865+14.75

LEGEND	WETLANDS OR OTHER SURFACE WATERS BOUNDARY	EXISTING ROW	PROPOSED BRIDGE/WALL	 0 20 100 Feet DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 3
	POTENTIAL BUSINESS RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL	PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE	PROPOSED ROADWAY				
	POTENTIAL RESIDENTIAL RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL	POTENTIALLY CONTAMINATED SITE	POTENTIAL IMPROVEMENT BY OTHERS				

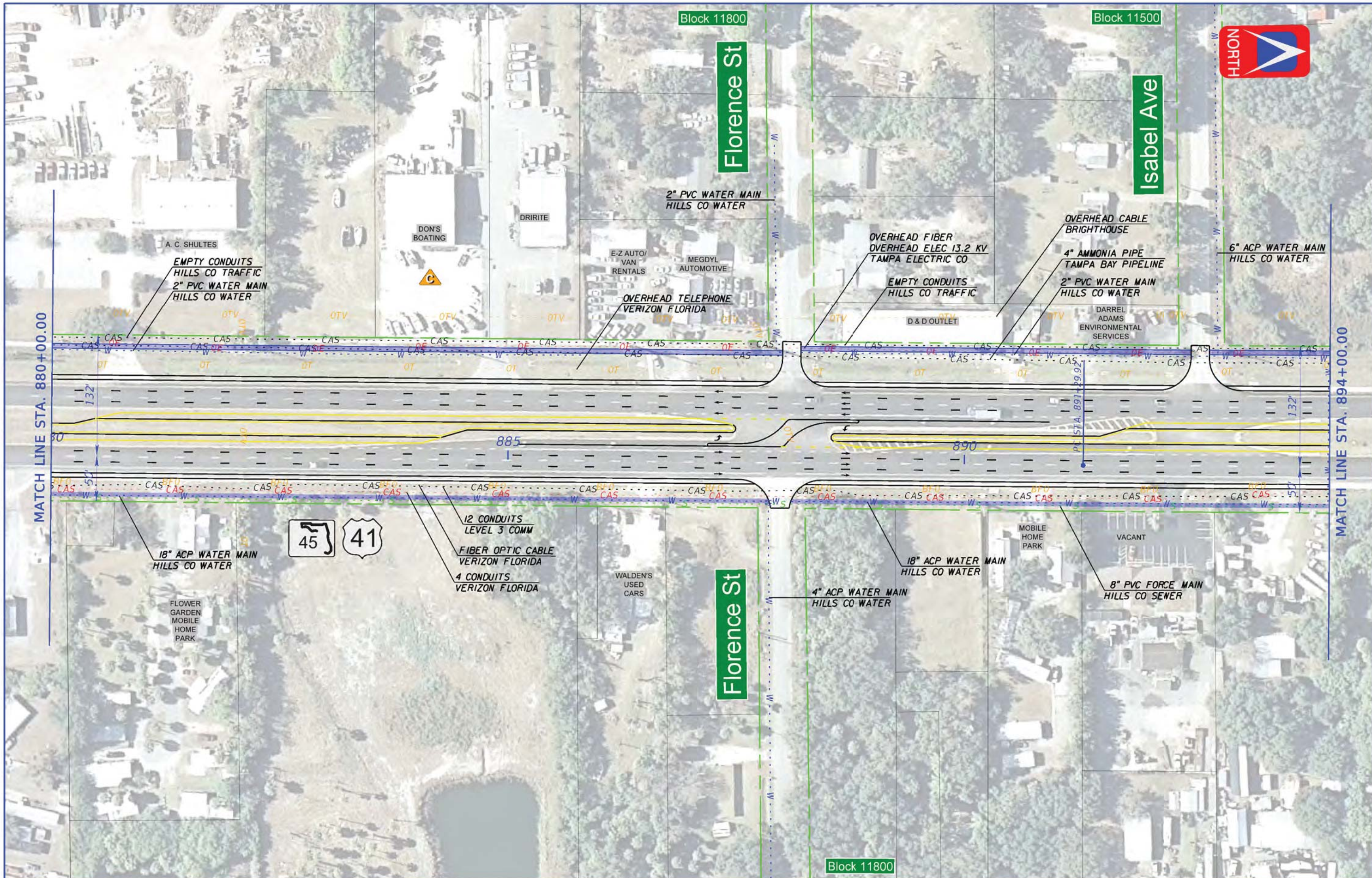


LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL
		POTENTIAL BUSINESS RELOCATION		EXISTING ROW		PROPOSED ROADWAY
		POTENTIAL RESIDENTIAL RELOCATION		PROPOSED ROW TO BE ACQUIRED		SIDEWALK / PATH
		NUMBER OF RELOCATIONS WITHIN PARCEL		POTENTIALLY CONTAMINATED SITE		POTENTIAL IMPROVEMENT BY OTHERS

AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC
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 Certificate of Authorization No. 9302
 Jeffrey S. Novotny, P.E. No. 51083

US41 PD&E STUDY
Kracker Ave to South of Causway Blvd (SR676)
Concept Plans
 WPI SEGMENT No.: 430056-1

SHEET NO.
 4



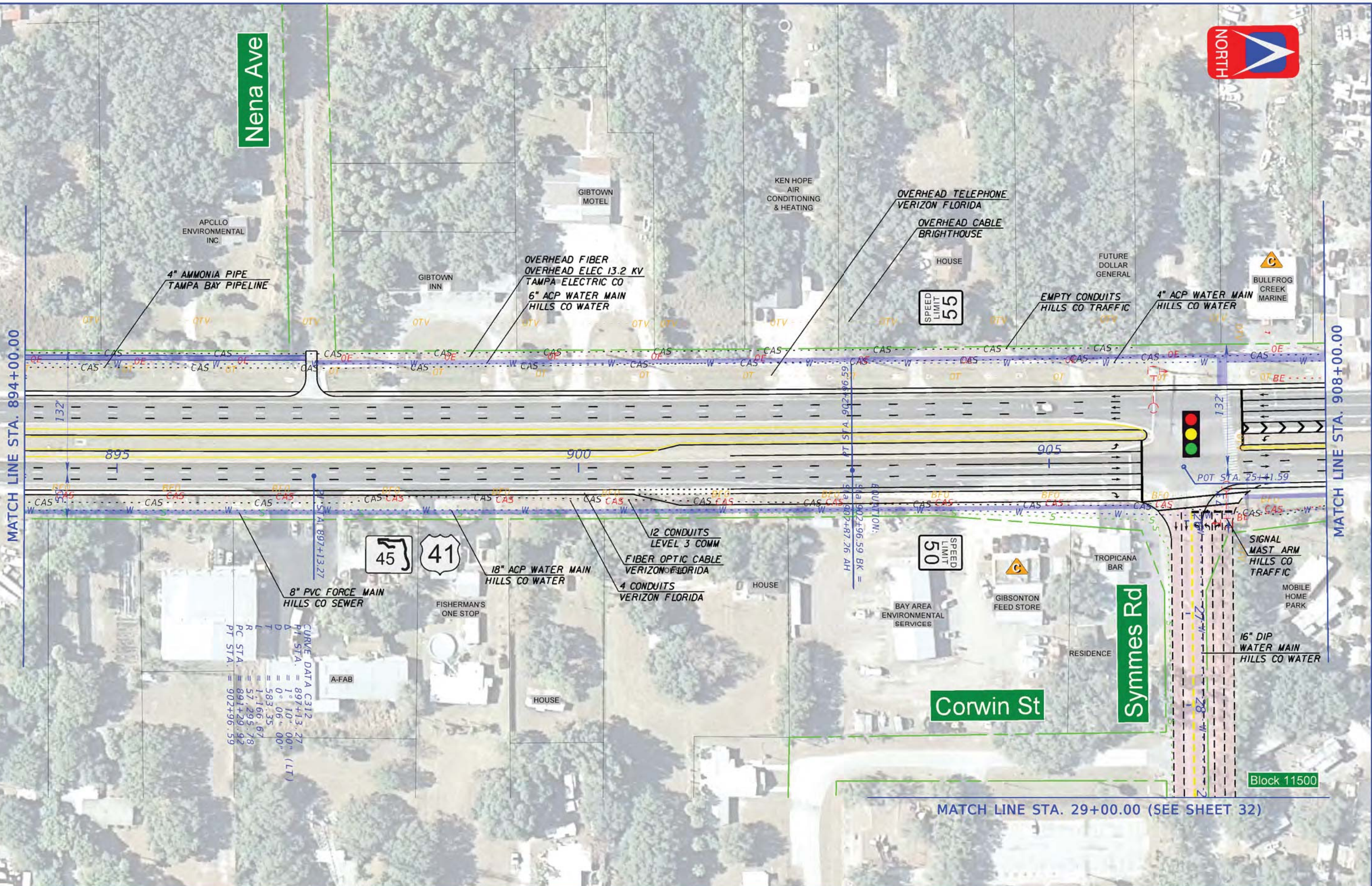
LEGEND	WETLANDS OR OTHER SURFACE WATERS BOUNDARY	PROPERTY LINES	PROPOSED BRIDGE/WALL	 0 20 100 Feet DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 5
	POTENTIAL BUSINESS RELOCATION ● NUMBER OF RELOCATIONS WITHIN PARCEL	EXISTING ROW	PROPOSED ROADWAY				
	POTENTIAL RESIDENTIAL RELOCATION ● NUMBER OF RELOCATIONS WITHIN PARCEL	PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE	POTENTIAL IMPROVEMENT BY OTHERS				



Nena Ave

MATCH LINE STA. 894+00.00

MATCH LINE STA. 908+00.00



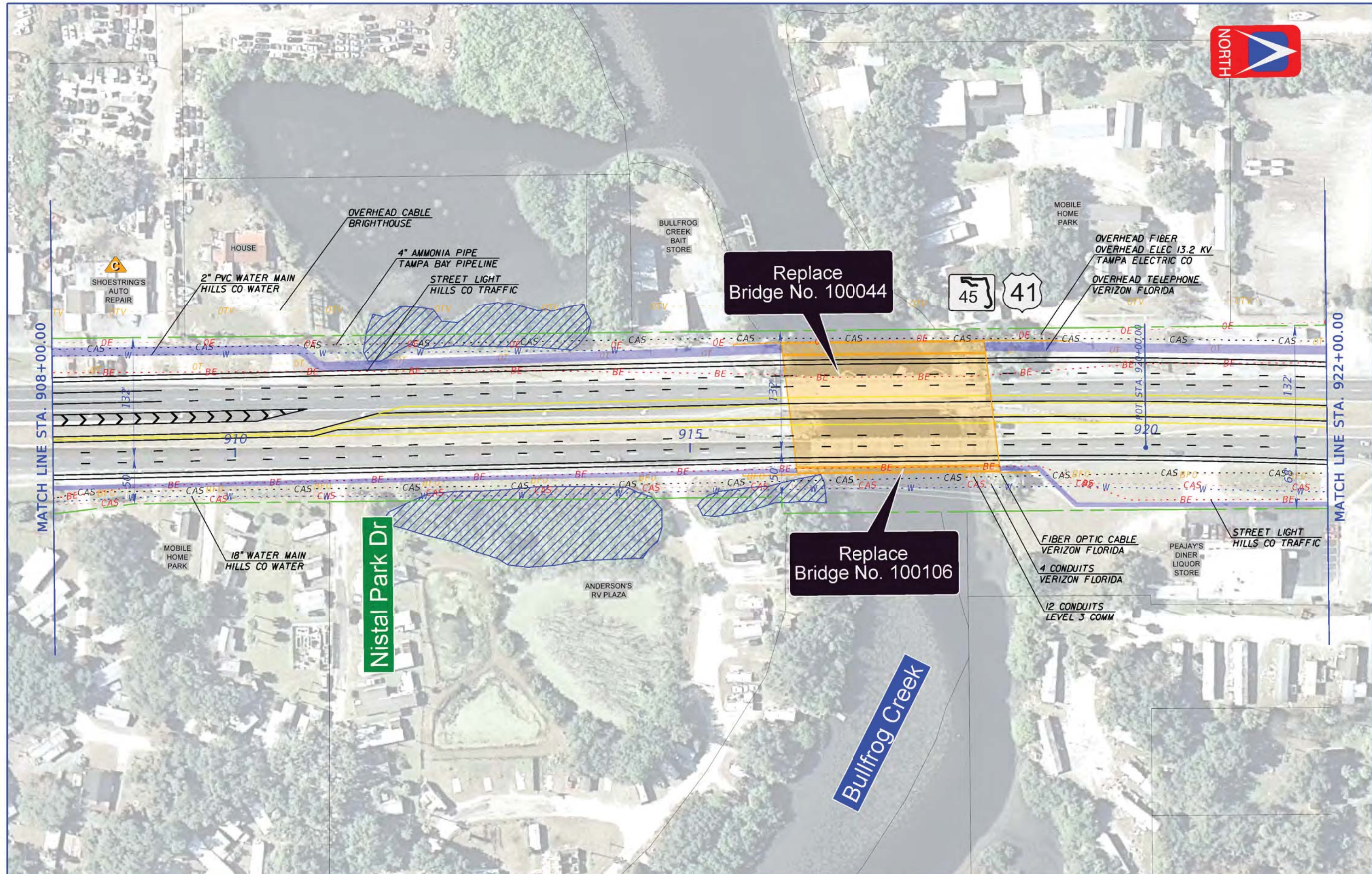
CURVE DATA C312
 PT STA. = 897+13.27
 Δ = 1° 10' 00" (LT)
 D = 0° 06' 00"
 T = 583.35
 L = 1,166.67
 R = 57,295.78
 PC STA. = 891+29.92
 PT STA. = 902+96.59

LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL
		POTENTIAL BUSINESS RELOCATION		EXISTING ROW		PROPOSED ROADWAY
		POTENTIAL RESIDENTIAL RELOCATION		PROPOSED ROW TO BE ACQUIRED		SIDEWALK / PATH
		NUMBER OF RELOCATIONS WITHIN PARCEL		POTENTIALLY CONTAMINATED SITE		POTENTIAL IMPROVEMENT BY OTHERS

AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC
 2818 Cypress Ridge Blvd, Suite 200
 Wesley Chapel, Florida 33544
 Phone: (813) 435-2600 Fax: (813) 435-2601
 Certificate of Authorization No. 9302
 Jeffrey S. Novotny, P.E. No. 51083

US41 PD&E STUDY
Kracker Ave to South of Causway Blvd (SR676)
Concept Plans
 WPI SEGMENT No.: 430056-1








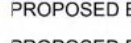

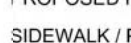
SHEET NO.
 6



Replace Bridge No. 100044

Replace Bridge No. 100106

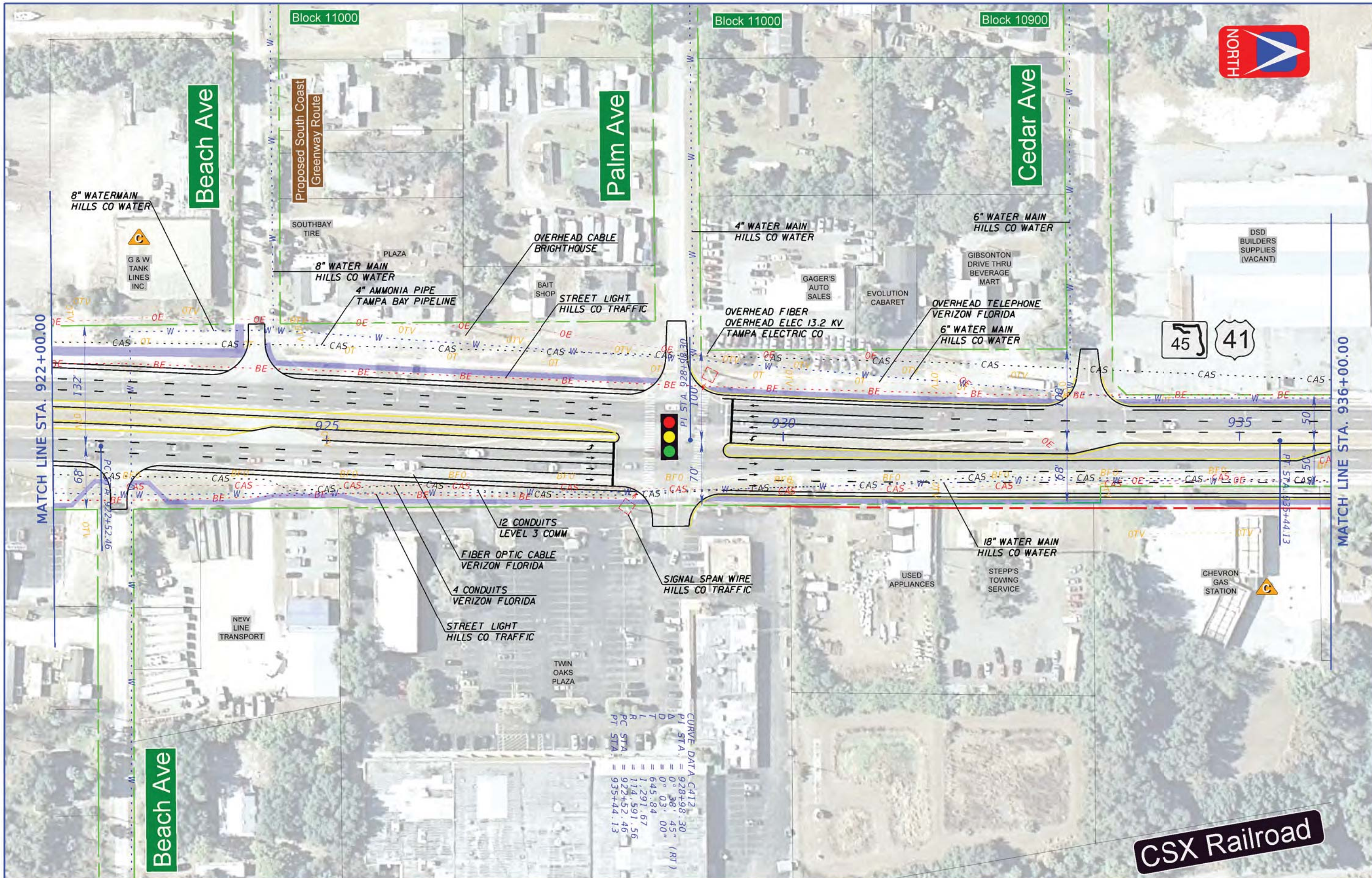
LEGEND

-  WETLANDS OR OTHER SURFACE WATERS BOUNDARY
-  POTENTIAL BUSINESS RELOCATION
-  POTENTIAL RESIDENTIAL RELOCATION
-  EXISTING ROW
-  PROPOSED ROW TO BE ACQUIRED
-  POTENTIALLY CONTAMINATED SITE
-  PROPOSED BRIDGE/WALL
-  PROPOSED ROADWAY
-  SIDEWALK / PATH
-  POTENTIAL IMPROVEMENT BY OTHERS

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US41 PD&E STUDY
Kracker Ave to South of Causway Blvd (SR676)
Concept Plans
 WPI SEGMENT No.: 430056-1

SHEET NO.
7



MATCH LINE STA. 922+00.00

MATCH LINE STA. 936+00.00

CURVE DATA C412
 PI STA. = 928+98.30
 Δ = 0° 38' 45" (RT)
 T = 0° 03' 00"
 D = 645.84
 L = 1,291.67
 PC STA. = 922+52.46
 R = 114,591.56
 PT STA. = 935+44.13

LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL
		POTENTIAL BUSINESS RELOCATION		EXISTING ROW		PROPOSED ROADWAY
		POTENTIAL RESIDENTIAL RELOCATION		PROPOSED ROW TO BE ACQUIRED		SIDEWALK / PATH
		POTENTIAL CONTAMINATED SITE		POTENTIALLY CONTAMINATED SITE		POTENTIAL IMPROVEMENT BY OTHERS

AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC
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 Jeffrey S. Novotny, P.E. No. 51083

US41 PD&E STUDY
Kracker Ave to South of Causway Blvd (SR676)
Concept Plans
 WPI SEGMENT No.: 430056-1

SHEET NO.
 8

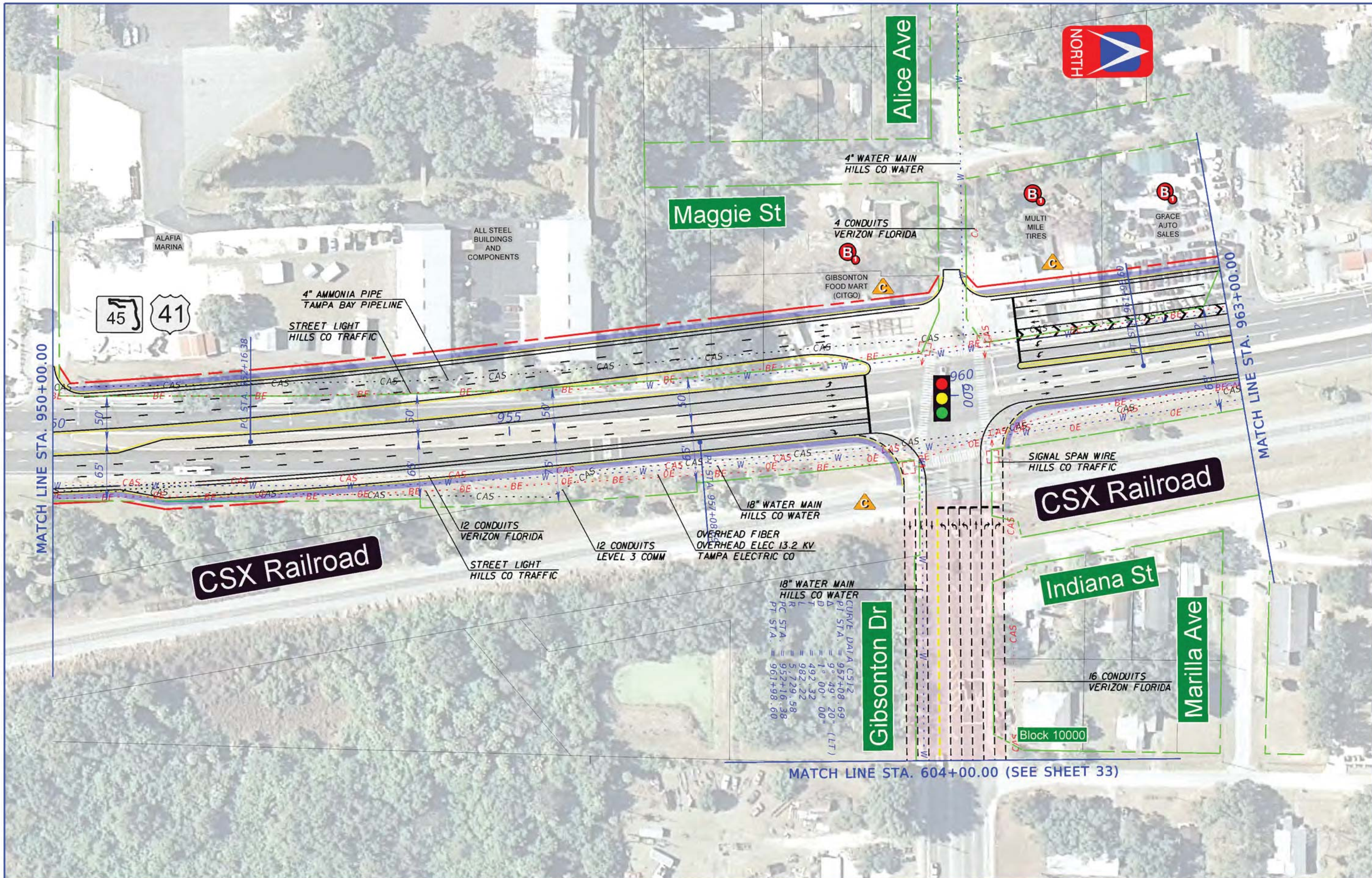


LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		EXISTING ROW		PROPOSED BRIDGE/WALL	 DATE OF AERIAL: 2011
		POTENTIAL BUSINESS RELOCATION		PROPOSED ROW TO BE ACQUIRED		PROPOSED ROADWAY	
		POTENTIAL RESIDENTIAL RELOCATION		POTENTIALLY CONTAMINATED SITE		POTENTIAL IMPROVEMENT BY OTHERS	

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US41 PD&E STUDY
Kracker Ave to South of Causway Blvd (SR676)
Concept Plans
 WPI SEGMENT No.: 430056-1

SHEET NO. 9



45 41

MATCH LINE STA. 950+00.00

MATCH LINE STA. 963+00.00

MATCH LINE STA. 604+00.00 (SEE SHEET 33)

CSX Railroad

CSX Railroad

Indiana St

Marilla Ave

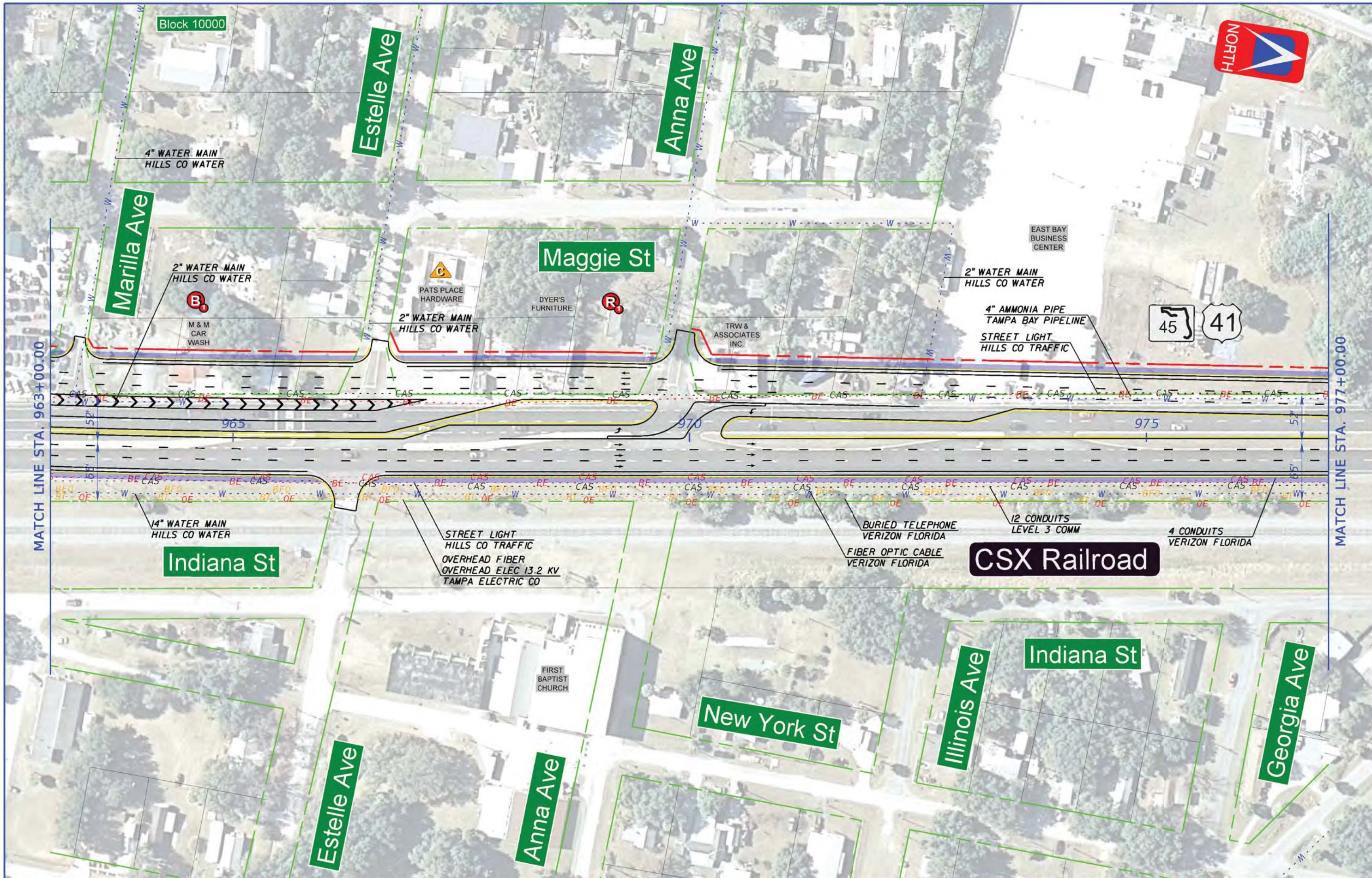
Gibsonton Dr

Alice Ave

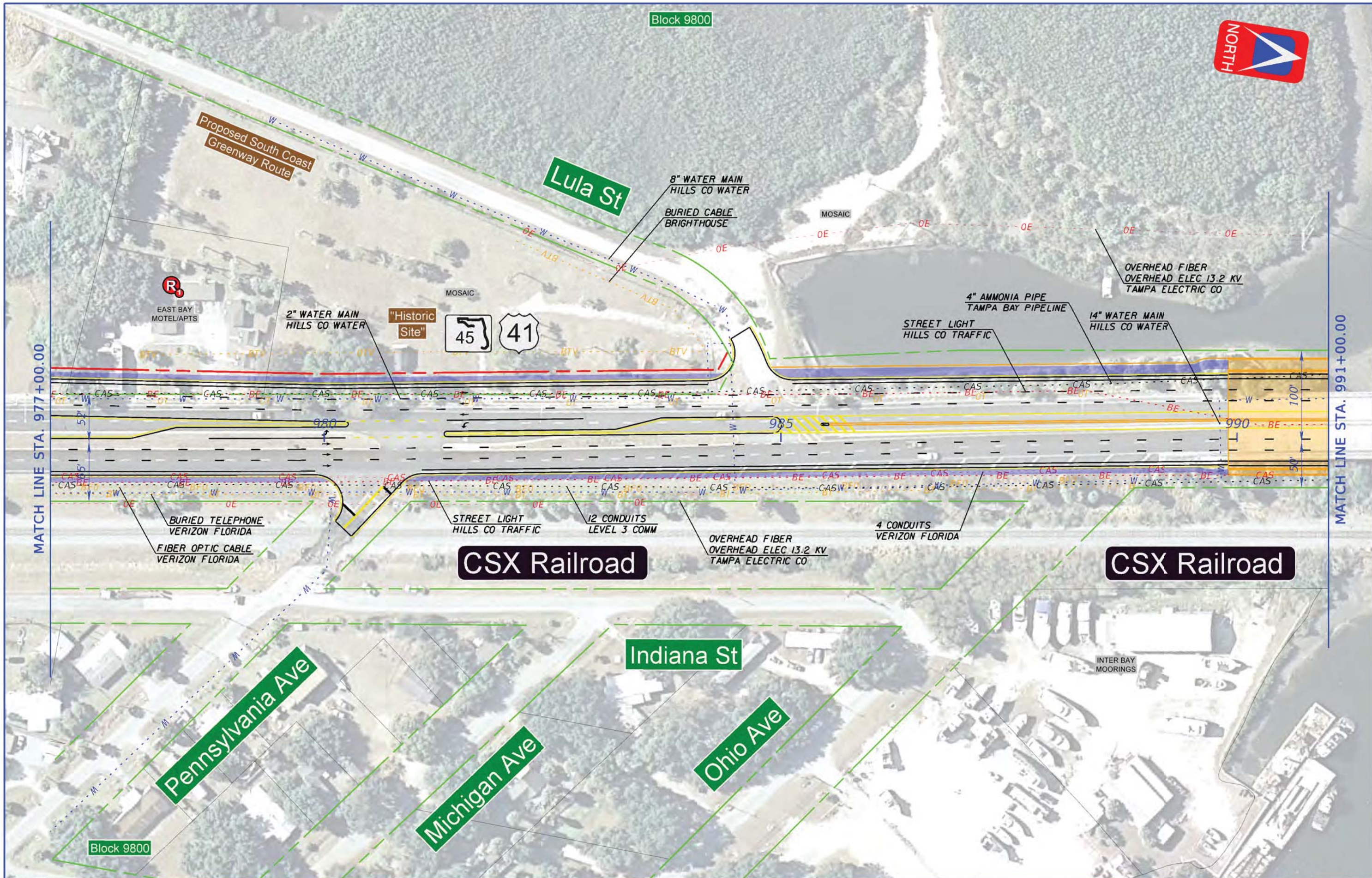
Maggie St



LEGEND WETLANDS OR OTHER SURFACE WATERS BOUNDARY POTENTIAL BUSINESS RELOCATION POTENTIAL RESIDENTIAL RELOCATION PROPERTY LINES EXISTING ROW PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE PROPOSED BRIDGE/WALL PROPOSED ROADWAY SIDEWALK / PATH POTENTIAL IMPROVEMENT BY OTHERS	 DATE OF AERIAL: 2011		AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083		US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 10
	USER: Shammer 2/11/2015 2:03:18 PM		F:\PROJECT\5127041\43005412201\roadway\PLANRD\TD.DGN			



LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL	0 20 100 Feet DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 11
		POTENTIAL BUSINESS RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL		EXISTING ROW		PROPOSED ROADWAY				
		POTENTIAL RESIDENTIAL RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL		PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE		POTENTIAL IMPROVEMENT BY OTHERS				



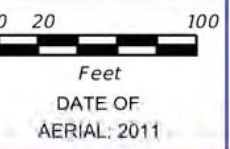
MATCH LINE STA. 977+00.00

MATCH LINE STA. 991+00.00

	WETLANDS OR OTHER SURFACE WATERS BOUNDARY
	POTENTIAL BUSINESS RELOCATION
	POTENTIAL RESIDENTIAL RELOCATION
	POTENTIAL CONTAMINATED SITE

	PROPERTY LINES
	EXISTING ROW
	PROPOSED ROW TO BE ACQUIRED
	POTENTIALLY CONTAMINATED SITE

	PROPOSED BRIDGE/WALL
	PROPOSED ROADWAY
	SIDEWALK / PATH
	POTENTIAL IMPROVEMENT BY OTHERS



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US41 PD&E STUDY
Kracker Ave to South of Causway Blvd (SR676)
Concept Plans
 WPI SEGMENT No.: 430056-1

SHEET NO.
 12



Leased by Hillsborough County from State of Florida

Alafia River

Extended Fender System

Replace Bridge No. 100045

Replace Bridge No. 100107

WILLIAMS PARK BOAT RAMP

Proposed Trail Connector Crossing US41 Under Bridge

4" AMMONIA PIPE TAMPA BAY PIPELINE

OVERHEAD FIBER OVERHEAD ELEC 13.2 KV TAMPA ELECTRIC CO

14" WATER MAIN HILLS CO WATER



MATCH LINE STA. 991+00.00

MATCH LINE STA. 1004+00.00

CSX Railroad

12 CONDUITS LEVEL 3 COMM

STREET LIGHT HILLS CO TRAFFIC

6 CONDUITS VERIZON FLORIDA

CSX BRIDGE TENDER HOUSE

CSX SWING SPAN BRIDGE

Alafia River

CURVE DATA C612
P.I. STA. = 1003+00.15
D = 125.59' 30" (LT)
L = 652.00' 00"
R = 1.299.17
PC STA. = 5.729.58
PT STA. = 996+47.77
= 1009+46.94

LEGEND	WETLANDS OR OTHER SURFACE WATERS BOUNDARY	PROPERTY LINES	PROPOSED BRIDGE/WALL	 DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 13
	POTENTIAL BUSINESS RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL	EXISTING ROW	PROPOSED ROADWAY				
	POTENTIAL RESIDENTIAL RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL	PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE	POTENTIAL IMPROVEMENT BY OTHERS				



LEGEND WETLANDS OR OTHER SURFACE WATERS BOUNDARY POTENTIAL BUSINESS RELOCATION POTENTIAL RESIDENTIAL RELOCATION POTENTIALLY CONTAMINATED SITE	PROPERTY LINES EXISTING ROW PROPOSED ROW TO BE ACQUIRED	PROPOSED BRIDGE/WALL PROPOSED ROADWAY SIDEWALK / PATH POTENTIAL IMPROVEMENT BY OTHERS	0 20 100 Feet DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 14
	USER: Shammer 2/11/2015 2:04:47 PM F:\PROJECT\5127041\43005412201\roadway\PLANR014.DGN					



The Road To Quality S
(Private)



SPEED LIMIT 50

MATCH LINE STA. 1017+00.00

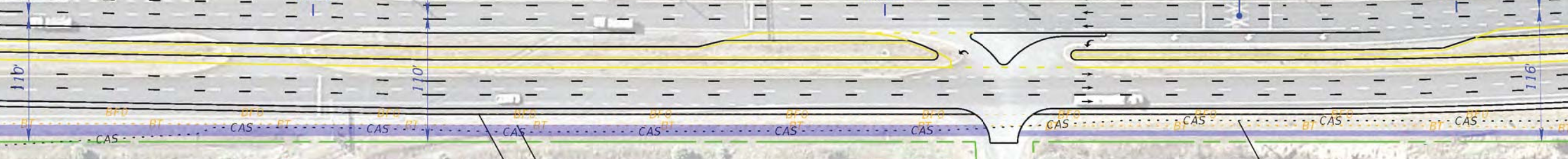
MATCH LINE STA. 1031+00.00

4" AMMONIA PIPE
TAMPA BAY PIPELINE

OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO

MOSAIC

MOSAIC



6.625" NATURAL GAS PIPE
FLORIDA GAS TRANSMISSION

CSX Crossing
#624795-5

BURIED TELEPHONE
VERIZON FLORIDA

FIBER OPTIC CABLE
VERIZON FLORIDA

Block 8300

12 CONDUITS
LEVEL 3 COMM

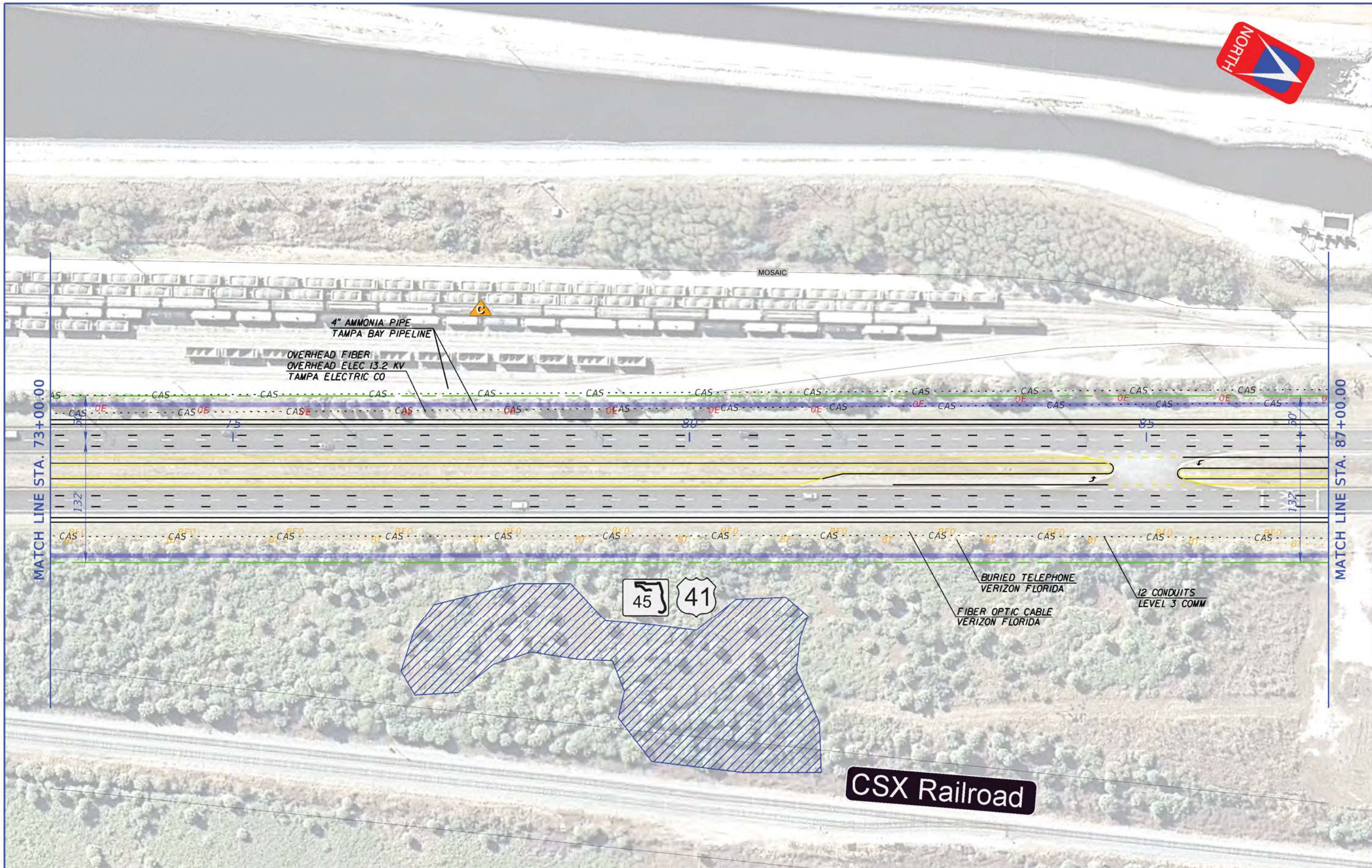
SPEED LIMIT 55

CSX Railroad

Old US 41

Proposed South Coast
Greenway Route

LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL	 DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 15
		POTENTIAL BUSINESS RELOCATION		EXISTING ROW		PROPOSED ROADWAY				
		POTENTIAL RESIDENTIAL RELOCATION		PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE		POTENTIAL IMPROVEMENT BY OTHERS				



LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL	 DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 17
		POTENTIAL BUSINESS RELOCATION		EXISTING ROW		PROPOSED ROADWAY				
		POTENTIAL RESIDENTIAL RELOCATION		PROPOSED ROW TO BE ACQUIRED		POTENTIAL IMPROVEMENT BY OTHERS				

CSX Railroad



BURIED TELEPHONE
VERIZON FLORIDA
FIBER OPTIC CABLE
VERIZON FLORIDA
12 CONDUITS
LEVEL 3 COMM

4" AMMONIA PIPE
TAMPA BAY PIPELINE
OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO

MATCH LINE STA. 73+00.00

MATCH LINE STA. 87+00.00



Archie Creek South



Extend/Replace Bridge No. 100046 (Bridge Culvert)

OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO
4" AMMONIA PIPE
TAMPA BAY PIPELINE

MOSAIC

MATCH LINE STA. 87+00.00

MATCH LINE STA. 101+00.00

CSX Railroad

CSX Crossing #624797-F

CSX Railroad

12 CONDUITS
LEVEL 3 COMM

BURIED TELEPHONE
VERIZON FLORIDA
FIBER OPTIC CABLE
VERIZON FLORIDA

LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL	 Feet DATE OF AERIAL: 2011
		POTENTIAL BUSINESS RELOCATION		EXISTING ROW		PROPOSED ROADWAY	
		POTENTIAL RESIDENTIAL RELOCATION		PROPOSED ROW TO BE ACQUIRED		SIDEWALK / PATH	
		NUMBER OF RELOCATIONS WITHIN PARCEL		POTENTIALLY CONTAMINATED SITE		POTENTIAL IMPROVEMENT BY OTHERS	

AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC
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 Jeffrey S. Novotny, P.E. No. 51083

US41 PD&E STUDY
Kracker Ave to South of Causway Blvd (SR676)
Concept Plans
 WPI SEGMENT No.: 430056-1

SHEET NO.
 18



OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO

4" AMMONIA PIPE
TAMPA BAY PIPELINE

BURIED TELEPHONE
VERIZON FLORIDA

FIBER OPTIC CABLE
VERIZON FLORIDA

12 CONDUITS
LEVEL 3 COMM

MATCH LINE STA. 101+00.00

MATCH LINE STA. 115+00.00

LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL	 DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 19
		POTENTIAL BUSINESS RELOCATION		EXISTING ROW		PROPOSED ROADWAY				
		POTENTIAL RESIDENTIAL RELOCATION		PROPOSED ROW TO BE ACQUIRED		POTENTIALLY CONTAMINATED SITE				

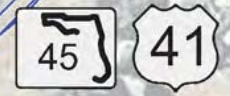


Archie Creek North

Extend/Replace
Bridge No. 100047
(Bridge Culvert)

OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO

4" AMMONIA PIPE
TAMPA BAY PIPELINE



MATCH LINE STA. 115+00.00

MATCH LINE STA. 129+00.00

132'

132'

BURIED TELEPHONE
VERIZON FLORIDA

12 CONDUITS
LEVEL 3 COMM

FIBER OPTIC CABLE
VERIZON FLORIDA

MOSAIC

MOSAIC

LEGEND	WETLANDS OR OTHER SURFACE WATERS BOUNDARY	PROPERTY LINES	PROPOSED BRIDGE/WALL	 Feet DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 20
	POTENTIAL BUSINESS RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL	EXISTING ROW	PROPOSED ROADWAY				
	POTENTIAL RESIDENTIAL RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL	PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE	POTENTIAL IMPROVEMENT BY OTHERS				



Fred's Creek

Extend/Replace
Bridge No. 100467
(Bridge Culvert)



MATCH LINE STA. 129+00.00

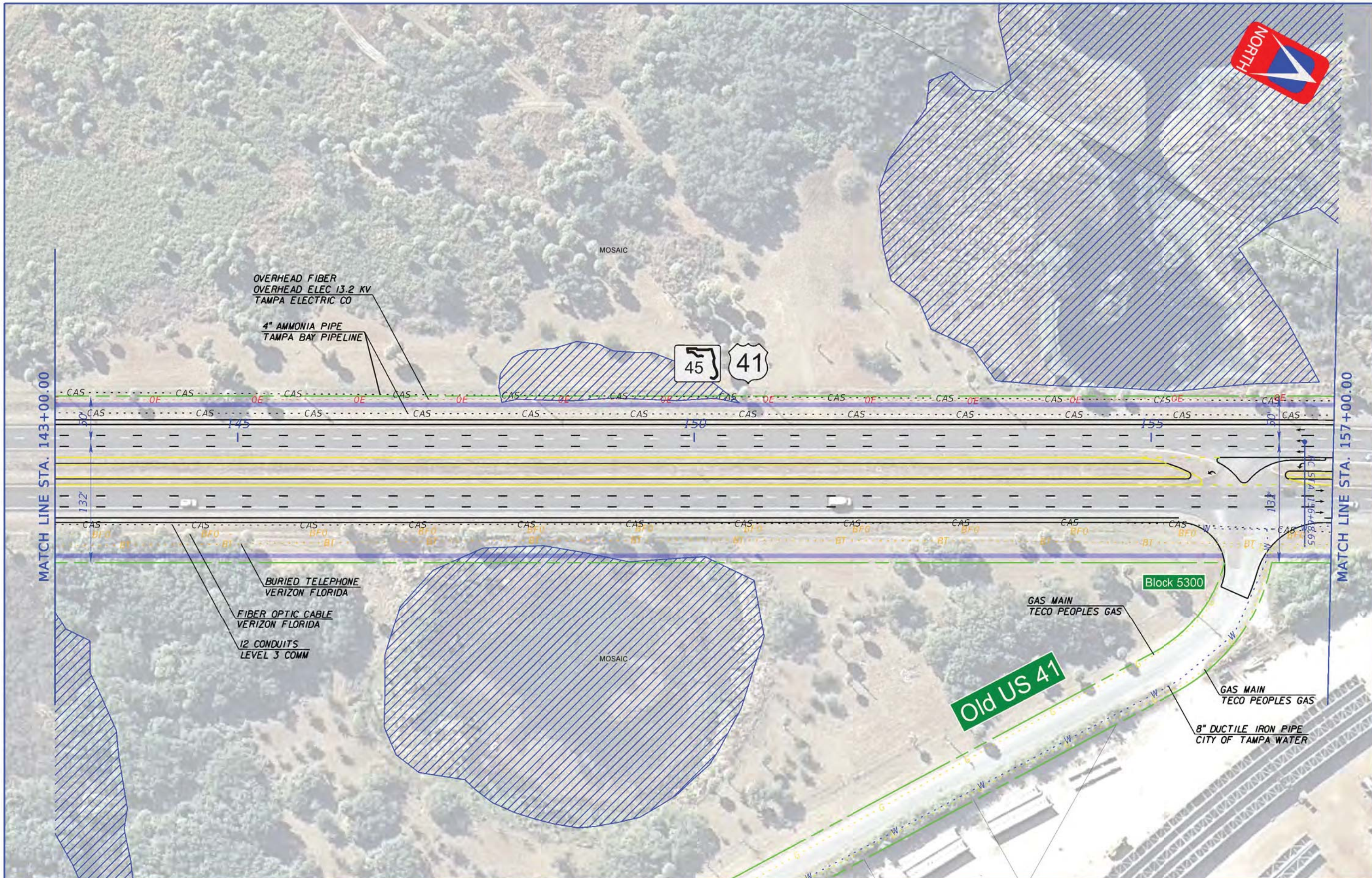
MATCH LINE STA. 143+00.00

MOSAIC
OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO
4" AMMONIA PIPE
TAMPA BAY PIPELINE

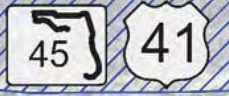
BURIED TELEPHONE
VERIZON FLORIDA
FIBER OPTIC CABLE
VERIZON FLORIDA
12 CONDUITS
LEVEL 3 COMM

MOSAIC

LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL	0 20 100 Feet DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 21
		POTENTIAL BUSINESS RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL		EXISTING ROW		PROPOSED ROADWAY				
		POTENTIAL RESIDENTIAL RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL		PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE		POTENTIAL IMPROVEMENT BY OTHERS				



LEGEND	WETLANDS OR OTHER SURFACE WATERS BOUNDARY	PROPERTY LINES	PROPOSED BRIDGE/WALL	0 20 100 Feet DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 22
	POTENTIAL BUSINESS RELOCATION ● NUMBER OF RELOCATIONS WITHIN PARCEL	EXISTING ROW	PROPOSED ROADWAY				
	POTENTIAL RESIDENTIAL RELOCATION ● NUMBER OF RELOCATIONS WITHIN PARCEL	PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE	POTENTIAL IMPROVEMENT BY OTHERS				



TAMPA PORT AUTHORITY

MOSAIC

4" AMMONIA PIPE
TAMPA BAY PIPELINE
OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO

MATCH LINE STA. 157+00.00

MATCH LINE STA. 170+00.00

12 CONDUITS
LEVEL 3 COMM

GAS MAIN
TECO PEOPLES GAS
8" DUCTILE IRON PIPE
CITY OF TAMPA WATER

BURIED TELEPHONE
VERIZON FLORIDA
FIBER OPTIC CABLE
VERIZON FLORIDA

GAS MAIN
TECO PEOPLES GAS
ICWUC

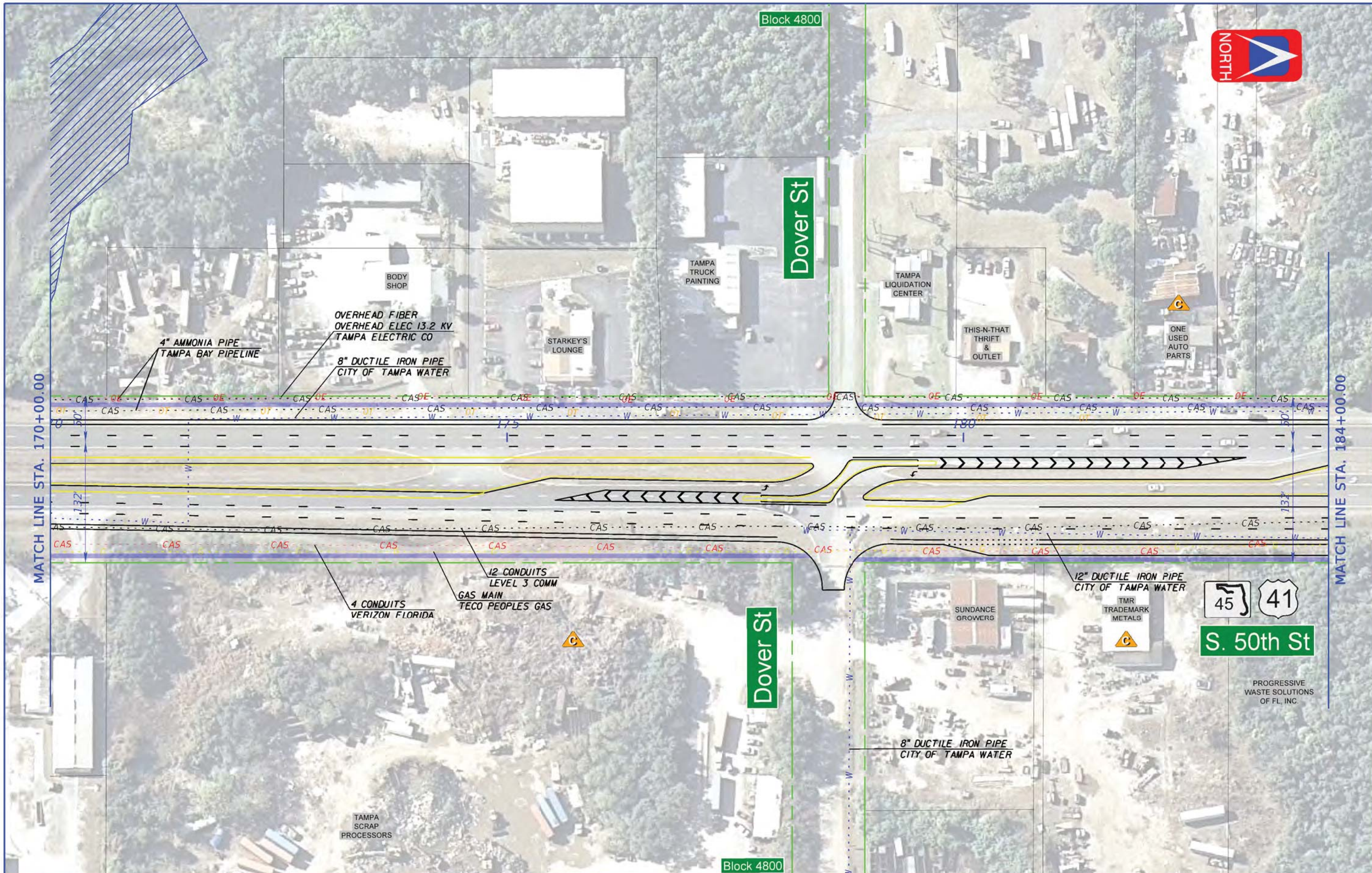
Bloomingdale Ave

Block 5100

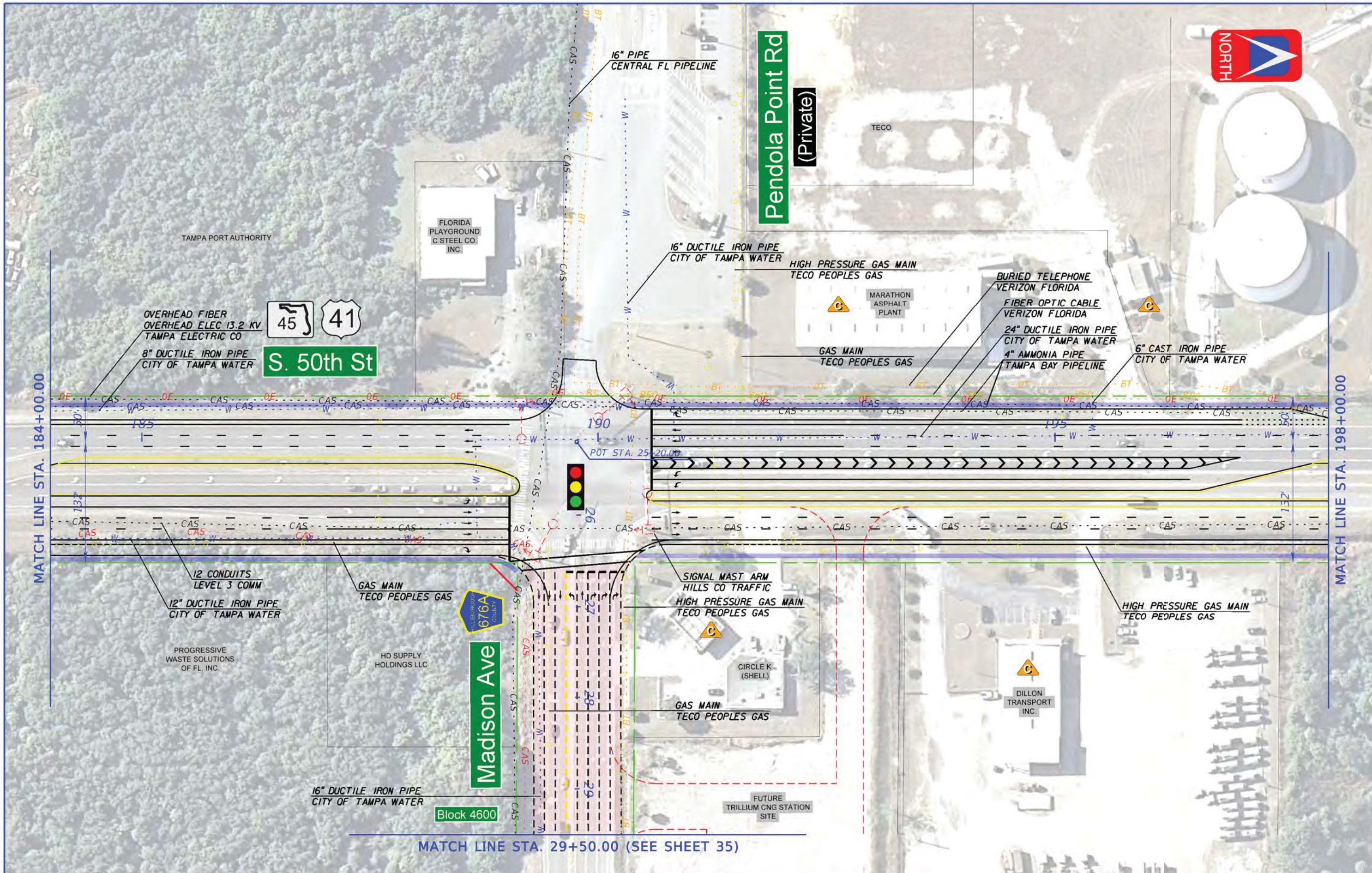
CURVE DATA C2080.3
PI STA. = 160+32.87
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D = 4° 00' 00"
T = 364.22
L = 713.33
R = 1,432.39
PC STA. = 156+68.65
PT STA. = 163+81.98

TAMPA
STEEL
ERECTING

LEGEND	WETLANDS OR OTHER SURFACE WATERS BOUNDARY	PROPERTY LINES	PROPOSED BRIDGE/WALL	0 20 100 Feet DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 23
	POTENTIAL BUSINESS RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL	EXISTING ROW	PROPOSED ROADWAY				
POTENTIAL RESIDENTIAL RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL	PROPOSED ROW TO BE ACQUIRED	POTENTIALLY CONTAMINATED SITE	POTENTIAL IMPROVEMENT BY OTHERS				



LEGEND	WETLANDS OR OTHER SURFACE WATERS BOUNDARY	PROPERTY LINES	PROPOSED BRIDGE/WALL	 DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 24
	POTENTIAL BUSINESS RELOCATION POTENTIAL RESIDENTIAL RELOCATION	EXISTING ROW PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE	PROPOSED ROADWAY SIDEWALK / PATH POTENTIAL IMPROVEMENT BY OTHERS				














MATCH LINE STA. 184+00.00

MATCH LINE STA. 198+00.00

MATCH LINE STA. 29+50.00 (SEE SHEET 35)

LEGEND

-  WETLANDS OR OTHER SURFACE WATERS BOUNDARY
-  POTENTIAL BUSINESS RELOCATION
-  POTENTIAL RESIDENTIAL RELOCATION
-  PROPERTY LINES
-  EXISTING ROW
-  PROPOSED ROW TO BE ACQUIRED
-  PROPOSED BRIDGE/WALL
-  PROPOSED ROADWAY
-  SIDEWALK / PATH
-  POTENTIAL IMPROVEMENT BY OTHERS
-  POTENTIAL CONTAMINATED SITE

0 20 100
Feet
DATE OF AERIAL: 2011

AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
Jeffrey S. Novotny, P.E. No. 51083

US41 PD&E STUDY
Kracker Ave to South of Causway Blvd (SR676)
Concept Plans
WPI SEGMENT No.: 430056-1

SHEET NO.
25



CSX Railroad

Port Sutton Rd

S. 50th St

**Montgomery St
(Private)**

Block 4400

TAMPA PORT AUTHORITY

ONE STEEL

MEBA

OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO

4" AMMONIA PIPE
TAMPA BAY PIPELINE

BURIED TELEPHONE
VERIZON FLORIDA

24" DUCTILE IRON PIPE
CITY OF TAMPA WATER

FIBER OPTIC CABLE
VERIZON FLORIDA

GAS MAIN
TECO PEOPLES GAS

12" CAST IRON PIPE
CITY OF TAMPA WATER

OVERHEAD CABLE
BRIGHTHOUSE

12 CONDUITS
LEVEL 3 COMM

HIGH PRESSURE GAS MAIN
TECO PEOPLES GAS

BURIED TELEPHONE
VERIZON FLORIDA
SIGNAL MAST ARM
HILLS CO TRAFFIC
GAS MAIN
TECO PEOPLES GAS

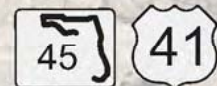
MATCH LINE STA. 198+00.00

MATCH LINE STA. 212+00.00

LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL	0 20 100 Feet DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 26
		POTENTIAL BUSINESS RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL		EXISTING ROW		PROPOSED ROADWAY				
		POTENTIAL RESIDENTIAL RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL		PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE		POTENTIAL IMPROVEMENT BY OTHERS				



CSX Railroad



S. 50th St

Denver St

Austin St

Santa Fe Rd

Block 4300

Block 4100

HIGH PRESSURE GAS MAIN
TECO PEOPLES GAS

1" GALV PIPE
CITY OF TAMPA WATER

OVERHEAD FIBER
OVERHEAD ELEC 13.2 KV
TAMPA ELECTRIC CO

24" CAST IRON PIPE
CITY OF TAMPA WATER

8" CAST IRON PIPE
CITY OF TAMPA WATER

2" CAST IRON PIPE
CITY OF TAMPA WATER

OVERHEAD CABLE
BRIGHHOUSE

PPG
PORTER
PAINTS/
INTERBAY
COATINGS

MATCH LINE STA. 212+00.00

MATCH LINE STA. 226+00.00

4" AMMONIA PIPE
TAMPA BAY PIPELINE

HIGH PRESSURE GAS MAIN
TECO PEOPLES GAS

BURIED TELEPHONE
VERIZON FLORIDA

FIBER OPTIC CABLE
VERIZON FLORIDA

12 CONDUITS
LEVEL 3 COMM

APPLIANCES
WANTED

HIGH PRESSURE GAS MAIN
TECO PEOPLES GAS

END PROJECT

LEGEND		WETLANDS OR OTHER SURFACE WATERS BOUNDARY		PROPERTY LINES		PROPOSED BRIDGE/WALL	0 20 100 Feet DATE OF AERIAL: 2011	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Jeffrey S. Novotny, P.E. No. 51083	US41 PD&E STUDY Kracker Ave to South of Causway Blvd (SR676) Concept Plans WPI SEGMENT No.: 430056-1	SHEET NO. 27
		POTENTIAL BUSINESS RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL		EXISTING ROW		PROPOSED ROADWAY				
		POTENTIAL RESIDENTIAL RELOCATION NUMBER OF RELOCATIONS WITHIN PARCEL		PROPOSED ROW TO BE ACQUIRED POTENTIALLY CONTAMINATED SITE						