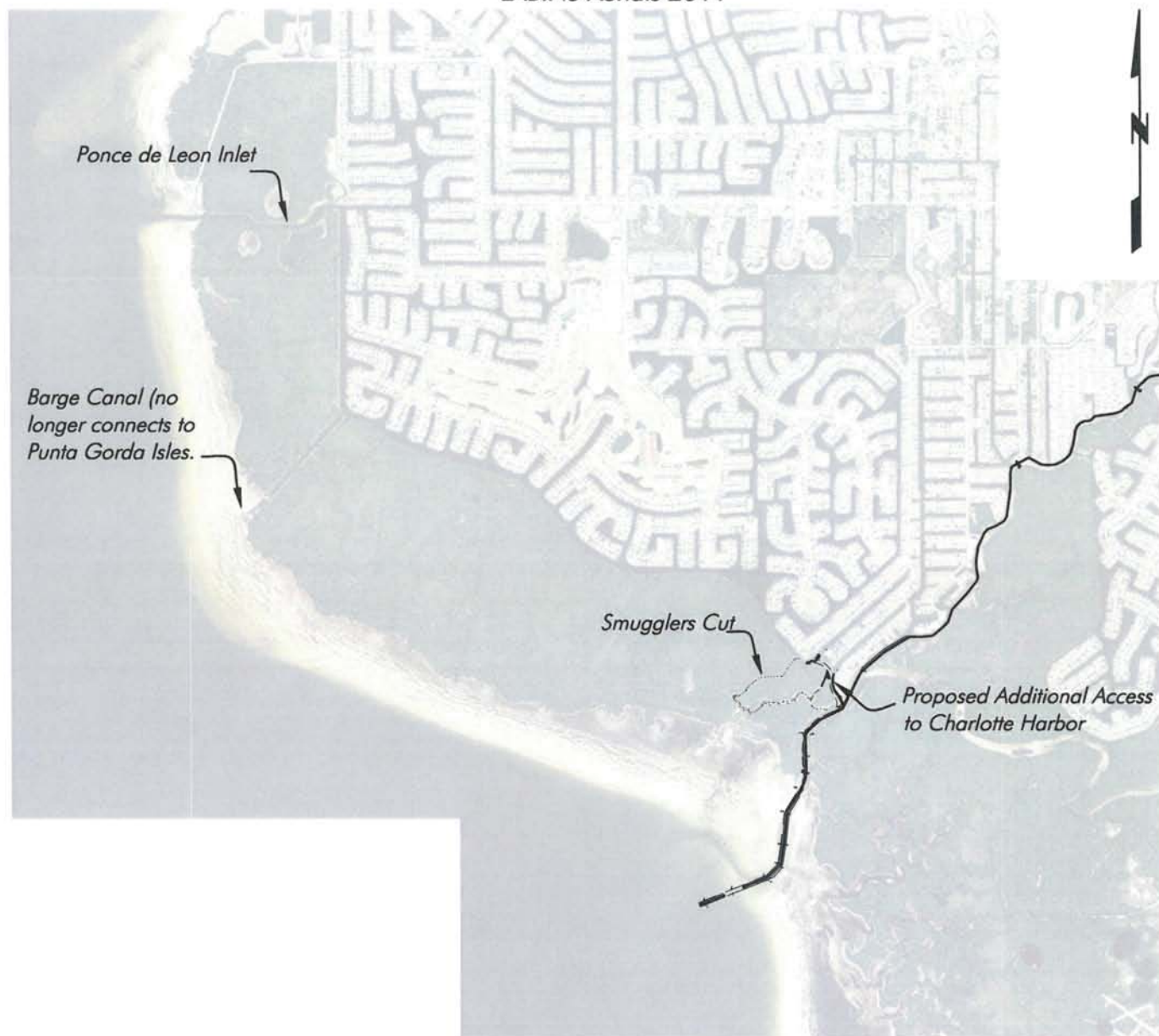


SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

0 1500 3000
SCALE FEET

LABINS Aerials 2011



Access to Punta Gorda

Scale 1" = 3,000'

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 1 of 19

PERMIT USE ONLY, NOT FOR CONSTRUCTION

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

jon

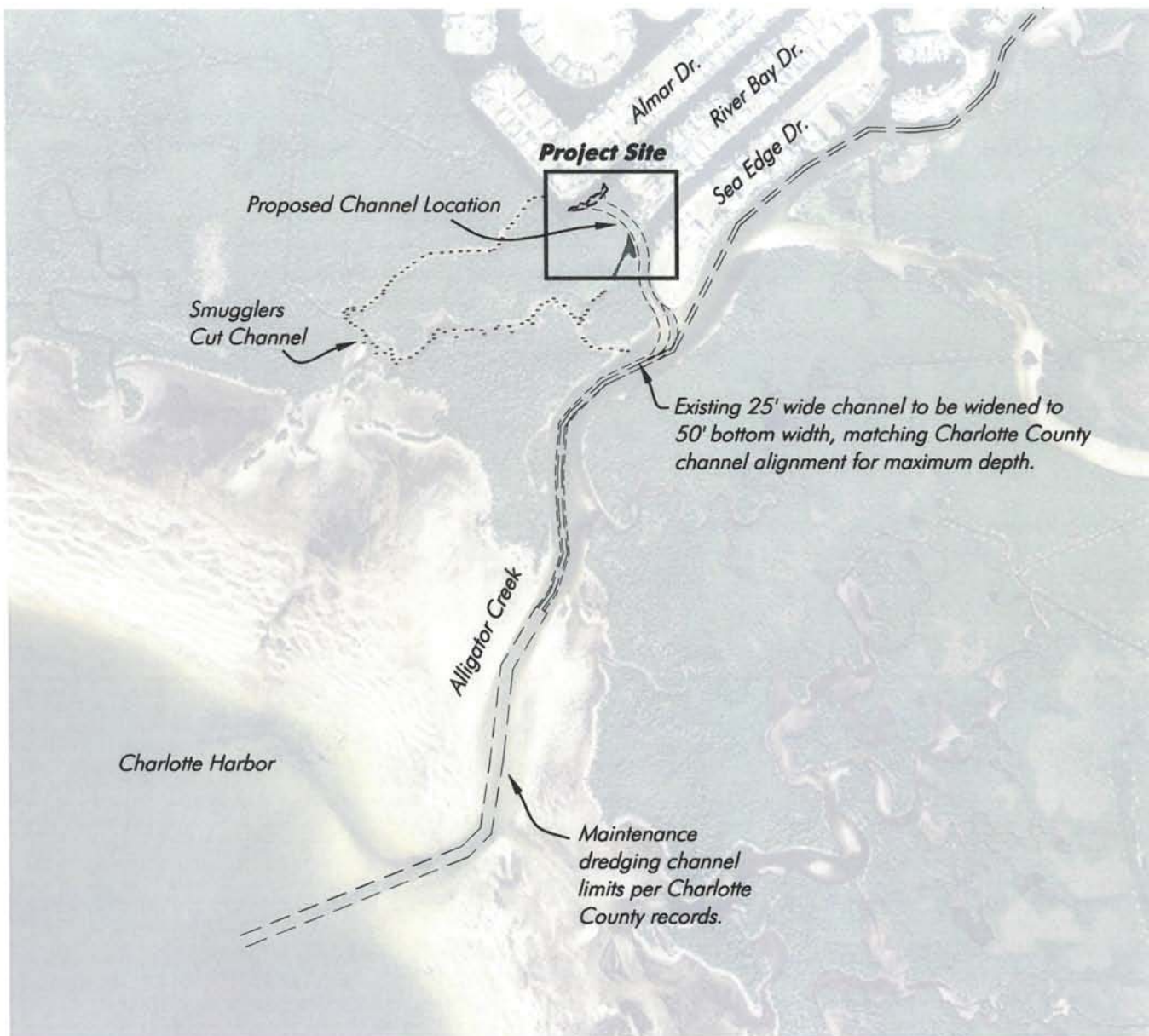
**City of Punta
Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

0 500 1000
SCALE FEET

Charlotte County Aerial 2011



Overall Site Plan

SCALE: 1" = 1000'

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 2 of 19

PERMIT USE ONLY, NOT FOR CONSTRUCTION

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

jon

**City of
Punta Gorda**

SHEET

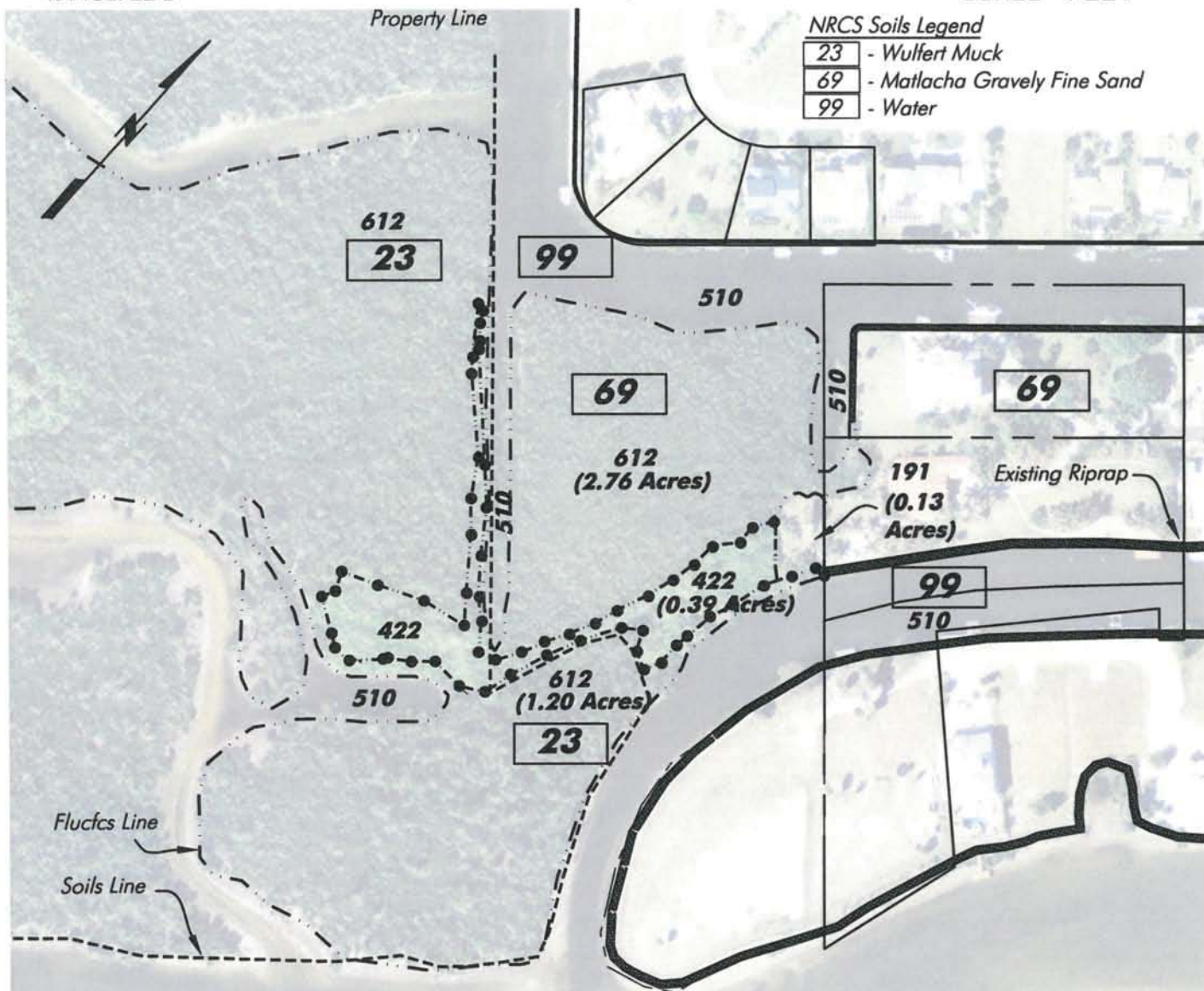
SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

Charlotte County Aerial 2011

0 100 200
SCALE FEET

NRCS Soils Legend

23	- Wulfert Muck
69	- Matlacha Gravely Fine Sand
99	- Water



FLUCFCS Legend (FDOT Jan 1999)

191 - Undeveloped Open Land
612 - Mangrove Swamp
510 - Streams and Waterways
422 - Brazilian Pepper

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 3 of 19

GPS data points from field survey
outlining extents of mangrove wetlands

FLUCCS Line ————
Soils Line ————

Soils information per U.S.D.A. Soil Conservation Service - Soil Survey of
Charlotte County, Florida. Wetland extents field verified by HWA on 7-23-16

PERMIT USE ONLY, NOT FOR CONSTRUCTION

FLUCCS & Soils Map

SCALE: 1" = 200'

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

hjmw

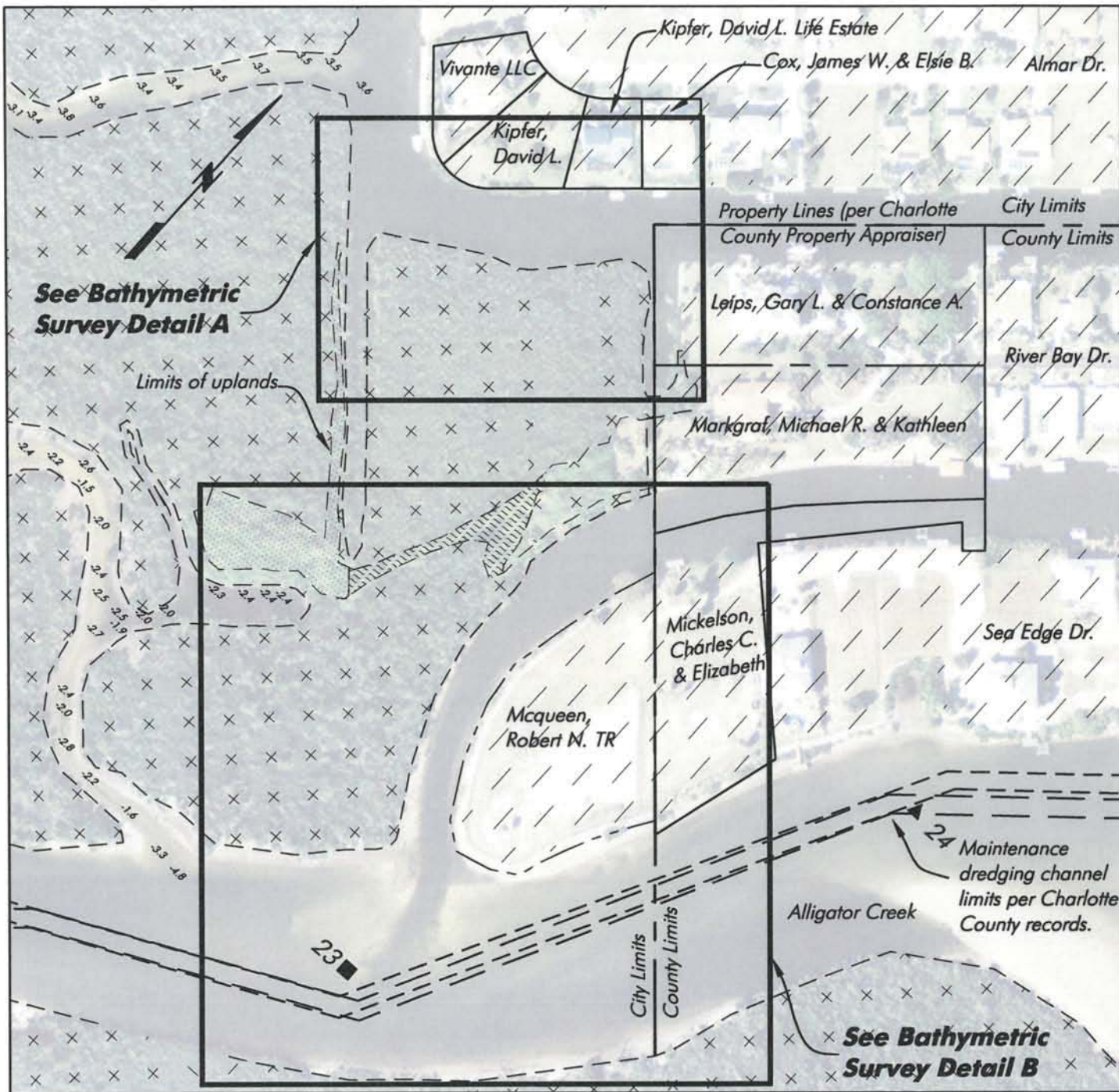
**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

Charlotte County Aerial 2011

0 100 200
SCALE FEET



Existing Site Plan

SCALE: 1" = 200'

Note: Bathymetry references MLW,
collected by Hans Wilson & Assoc. Inc.
on 7-8-14, per Tide Sta. 872-5744.

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 4 of 19

PERMIT USE ONLY, NOT FOR CONSTRUCTION

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

jon

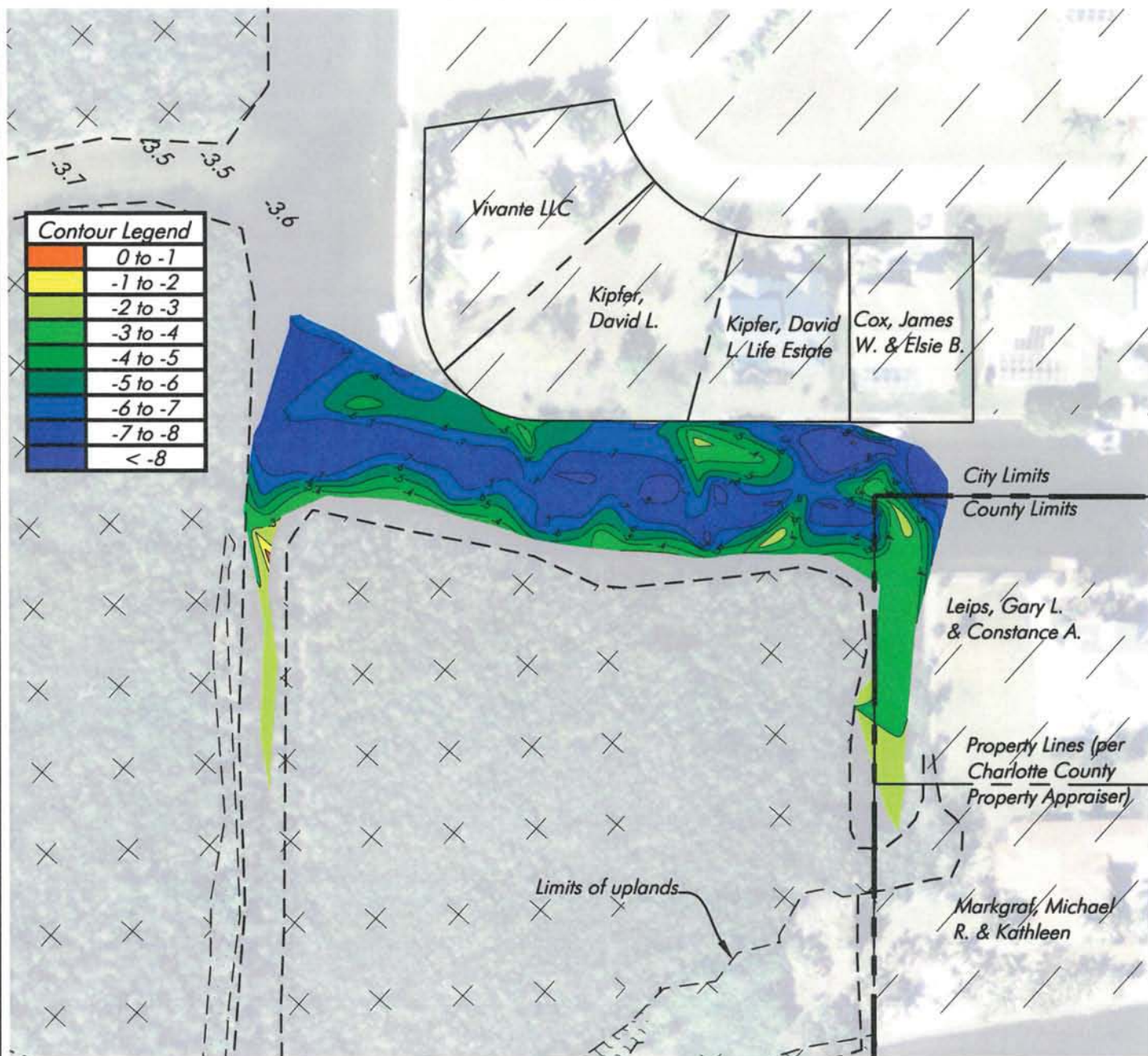
City of
Punta Gorda

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

0 50 100
SCALE FEET

Charlotte County Aerial 2011



Bathymetric Survey

Detail A

SCALE: 1" = 100'

Note: Bathymetry references MLW, collected by Hans Wilson & Assoc. Inc. on 7-8-14, per Tide Sta. 872-5744.

PERMIT USE ONLY, NOT FOR CONSTRUCTION

SAJ-2016-02715

Additional Channel Access
to Charlotte Harbor

5-16-17

Page 5 of 19

May 16, 2017 11:48:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

TM

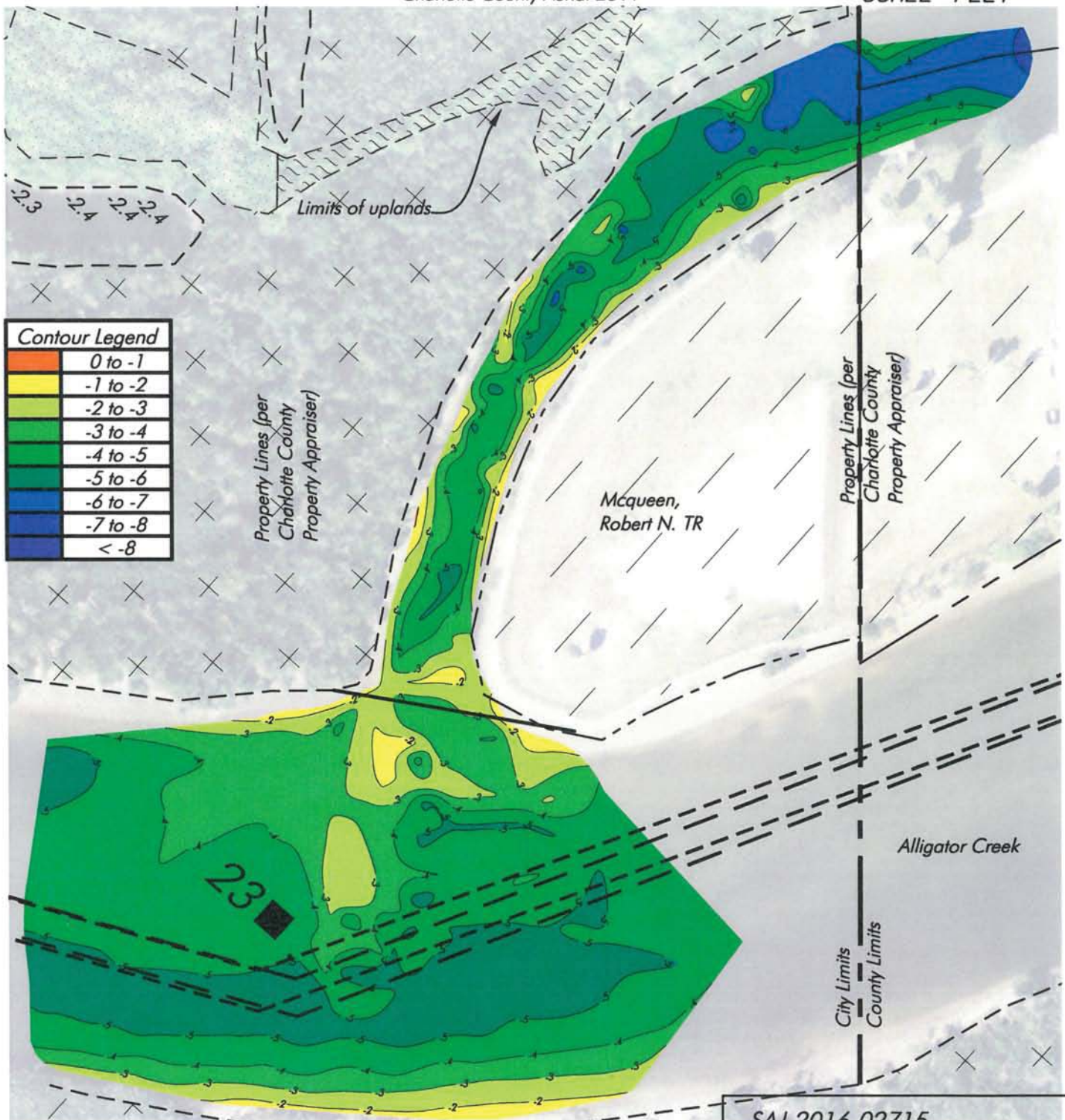
**City of
Punta Gorda**

SHEET

SECTION: 25 TOWNSHIP: 41 S RANGE: 22 E

Charlotte County Aerial 2011

0 50 100
SCALE FEET



Bathymetric Survey

Detail B

SCALE: 1" = 100'

Note: Bathymetry references MLW, collected by Hans Wilson & Assoc. Inc. on 7-8-14, per Tide Sta. 872-5744.

PERMIT USE ONLY, NOT FOR CONSTRUCTION

SAJ-2016-02715

Additional Channel Access
to Charlotte Harbor

5-16-17

Page 6 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRD1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

jon

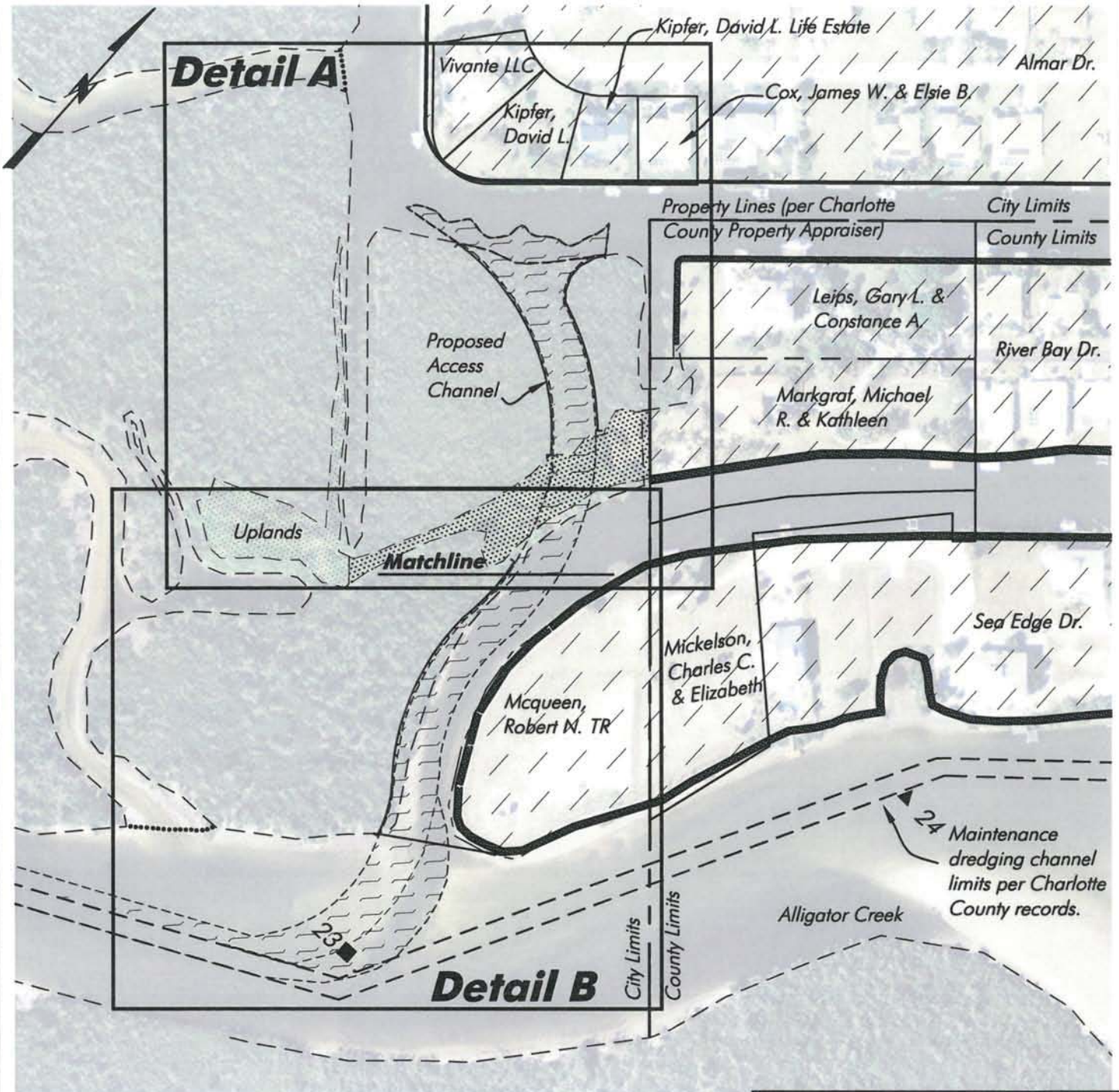
**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

0 100 200
SCALE FEET

Charlotte County Aerial 2011



Proposed Site Plan

SCALE: 1" = 200'

Note: Bathymetry references MLW,
collected by Hans Wilson & Assoc. Inc.
on 7-8-14, per Tide Sta. 872-5744.

PERMIT USE ONLY, NOT FOR CONSTRUCTION

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 7 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

jon

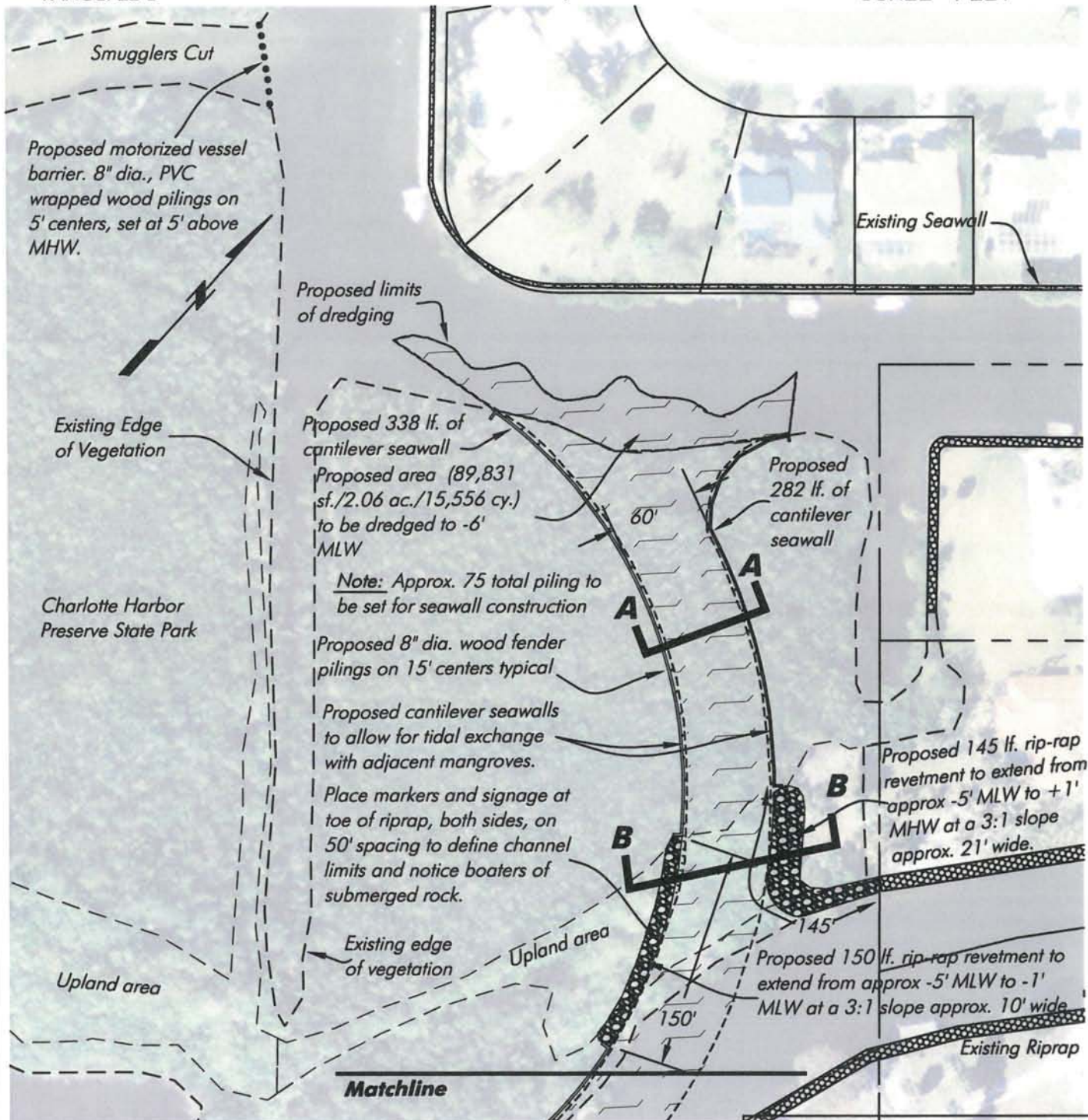
**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

0 50 100
SCALE FEET

Charlotte County Aerial 2011



Detail A - Proposed Channel

SCALE: 1" = 100'

Note: Bathymetry references MLW,
collected by Hans Wilson & Assoc. Inc.
on 7-8-14, per Tide Sta. 872-5744.

PERMIT USE ONLY, NOT FOR CONSTRUCTION

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 8 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

jon

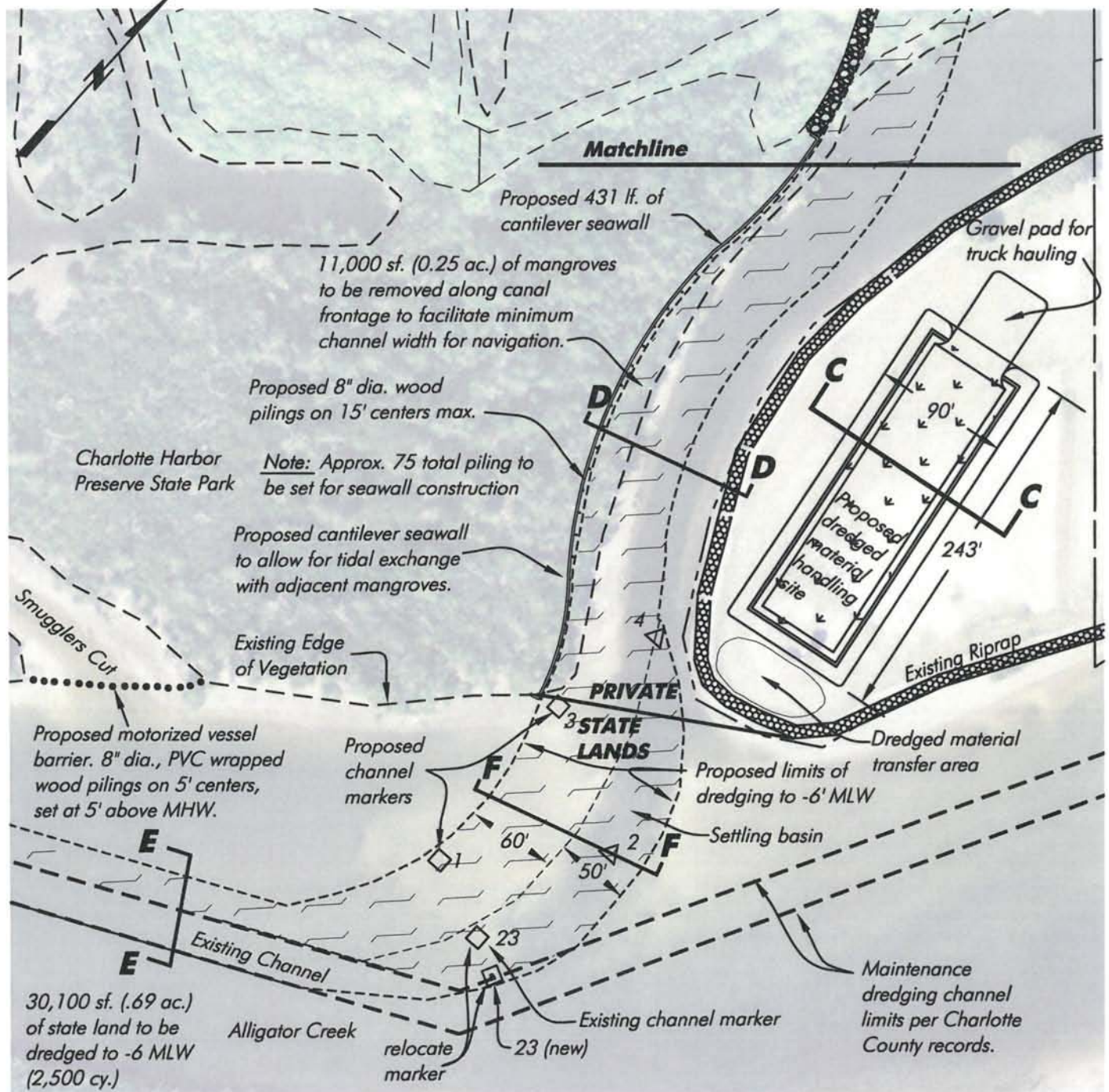
**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

Charlotte County Aerial 2011

0 50 100
SCALE FEET



Detail B - Proposed Channel

SCALE: 1" = 100'

Note: Bathymetry references MLW, collected by Hans Wilson & Assoc. Inc. on 7-8-14, per Tide Sta. 872-5744.

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 9 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG

PERMIT USE ONLY, NOT FOR CONSTRUCTION



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

jon

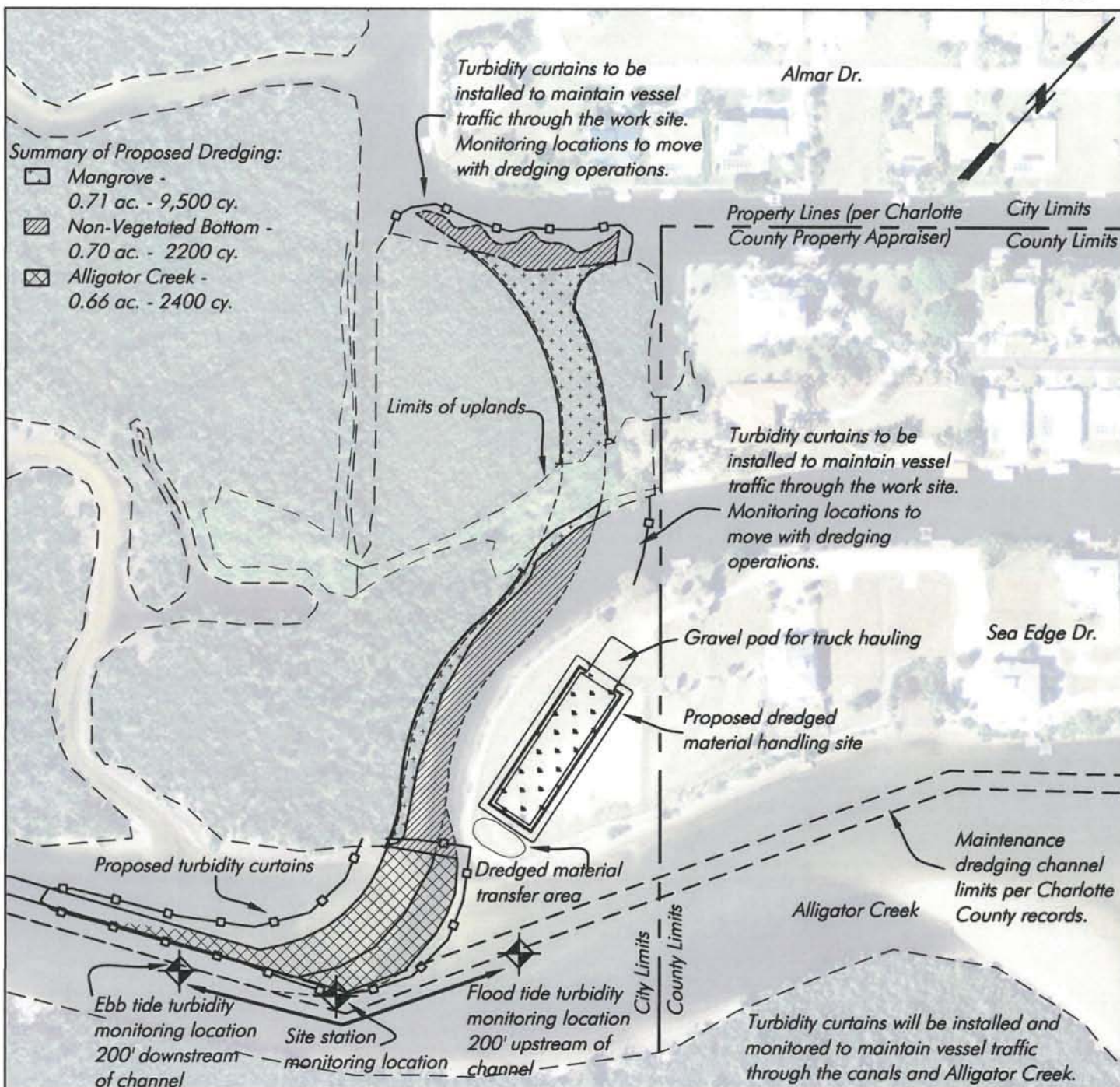
**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

Charlotte County Aerial 2011

0 100 200
SCALE FEET



Proposed Dredging Summary Plan

SCALE: 1" = 200'

Note: Bathymetry references MLW, collected by Hans Wilson & Assoc. Inc. on 7-8-14, per Tide Sta. 872-5744.

PERMIT USE ONLY, NOT FOR CONSTRUCTION

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 10 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

jon

**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

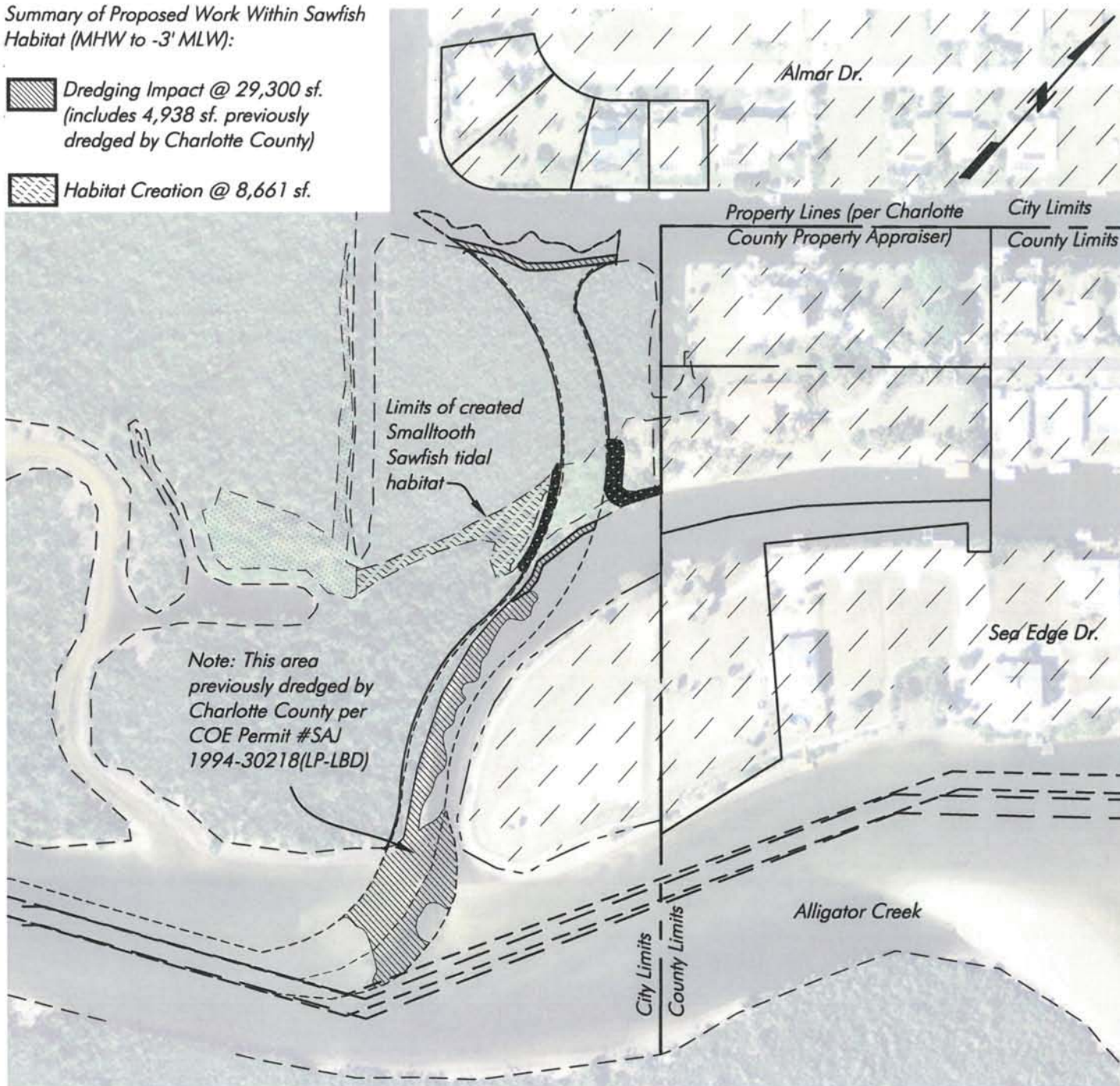
0 100 200
SCALE FEET

Summary of Proposed Work Within Sawfish
Habitat (MHW to -3' MLW):

 Dredging Impact @ 29,300 sf.
(includes 4,938 sf. previously
dredged by Charlotte County)

 Habitat Creation @ 8,661 sf.

Charlotte County Aerial 2011



Proposed Plan - Sawfish Habitat

SCALE: 1" = 200'

Note: Bathymetry references MLW,
collected by Hans Wilson & Assoc. Inc.
on 7-8-14, per Tide Sta. 872-5744.

PERMIT USE ONLY, NOT FOR CONSTRUCTION

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 11 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

hjmw

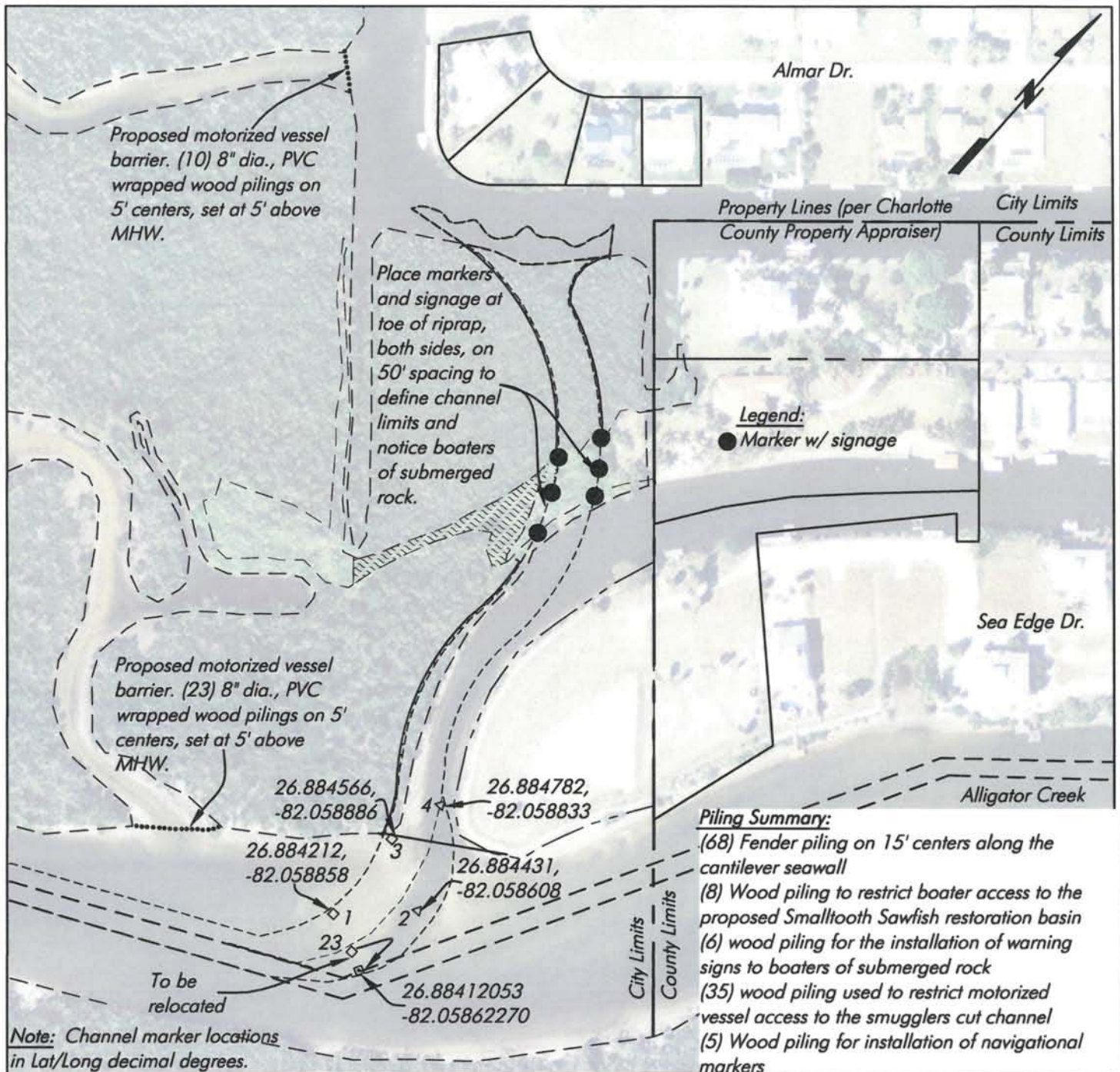
**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

Charlotte County Aerial 2011

0 100 200
SCALE FEET



Proposed Channel Marker and Signage Plan

Note: Bathymetry references MLW, collected by Hans Wilson & Assoc. Inc. on 7-8-14, per Tide Sta. 872-5744.

PERMIT USE ONLY, NOT FOR CONSTRUCTION

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 12 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

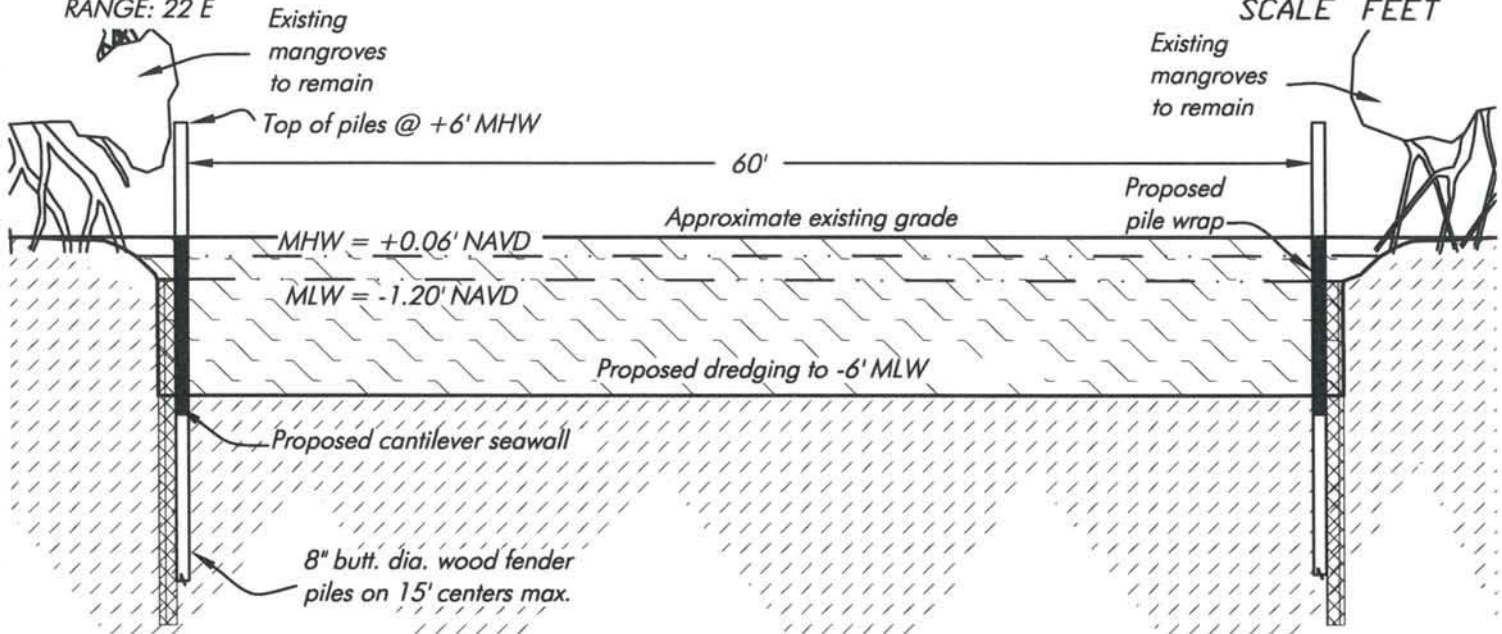
jon

**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

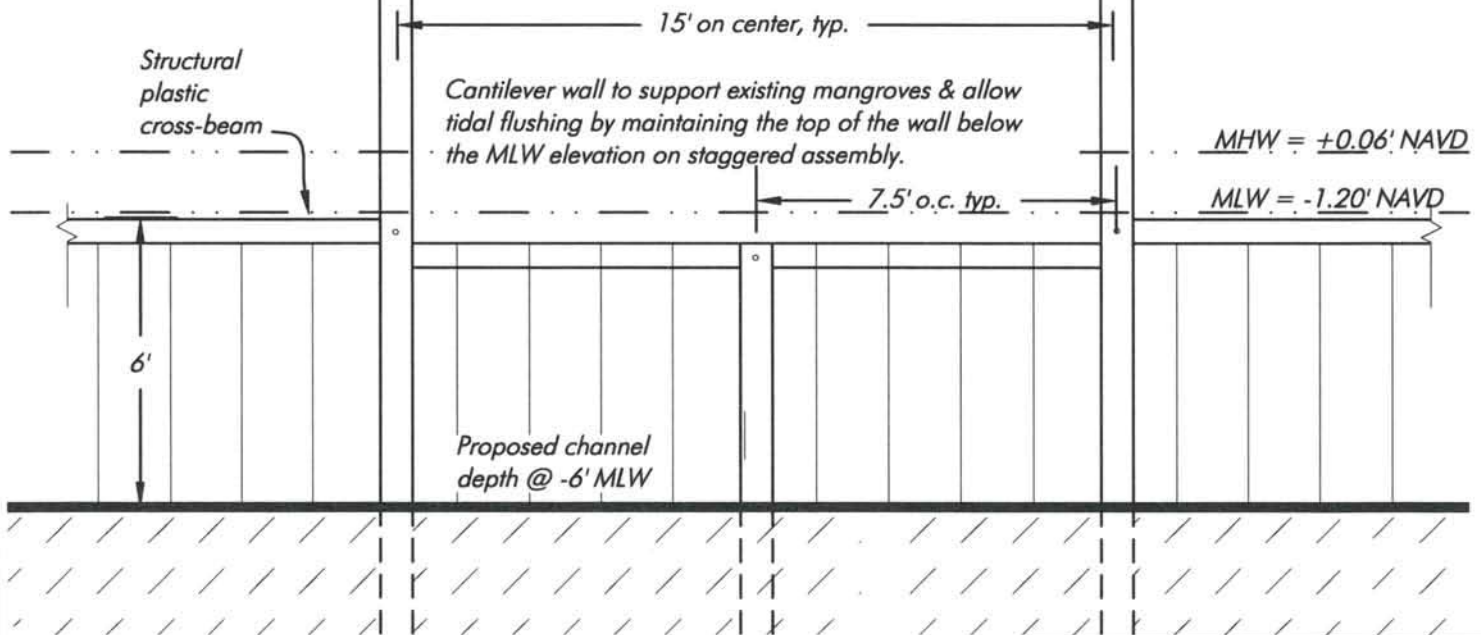
0 5 10
SCALE FEET



Cross Section A-A

SCALE: 1" = 10'

0 2' 4'
SCALE FEET



Cantilever Seawall Detail

SCALE: 1" = 4'

Note: Bathymetry references MLW, collected by Hans Wilson & Assoc. Inc. on 7-8-14, per Tide Sta. 872-5744.

PERMIT USE ONLY, NOT FOR CONSTRUCTION

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 13 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

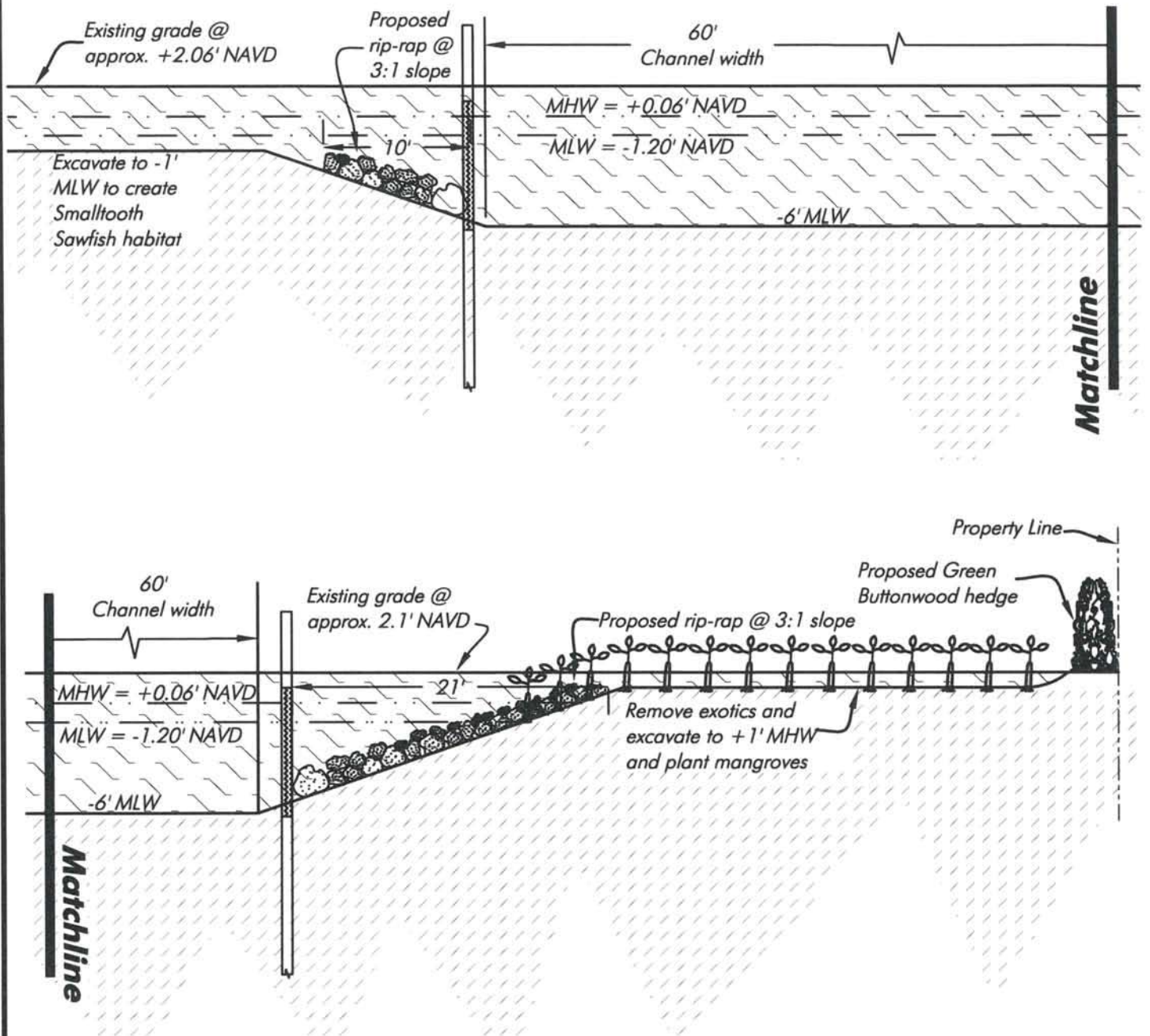
jon

**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

0 5 10
SCALE FEET



Cross-Section B-B

SCALE: 1" = 10'

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 14 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG

PERMIT USE ONLY, NOT FOR CONSTRUCTION



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

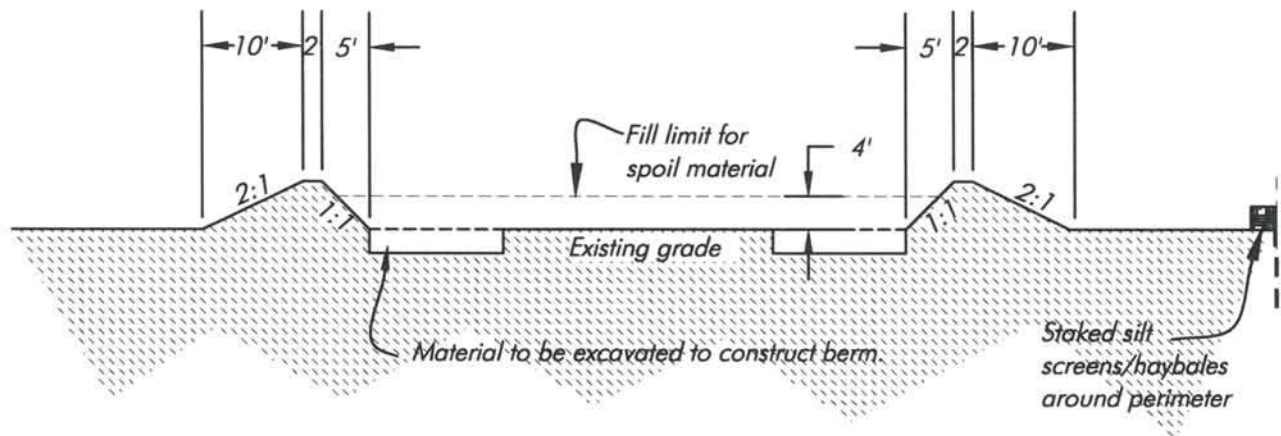
jon

**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

0 10 20
SCALE FEET



Section C-C

SCALE: 1" = 20'

Note: Bathymetry references MLW,
collected by Hans Wilson & Assoc. Inc.
on 7-8-14, per Tide Sta. 872-5744.

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 15 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG

PERMIT USE ONLY, NOT FOR CONSTRUCTION



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

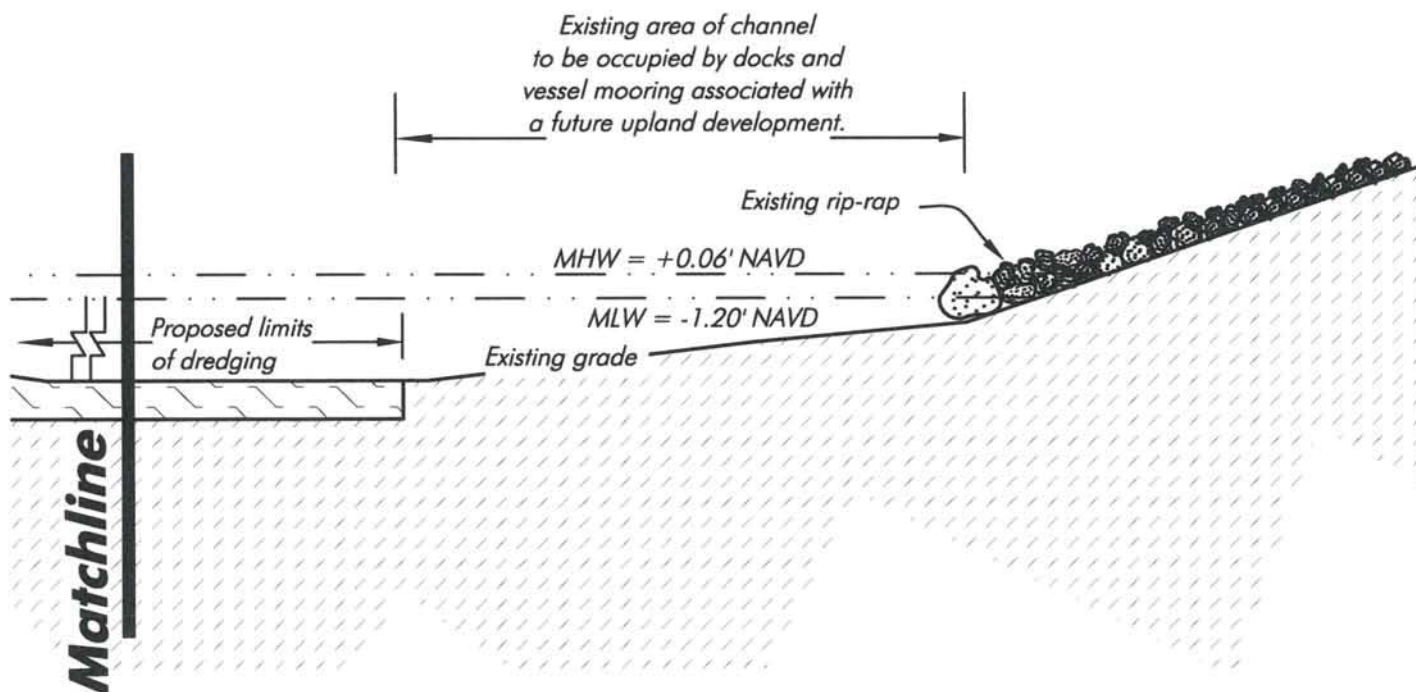
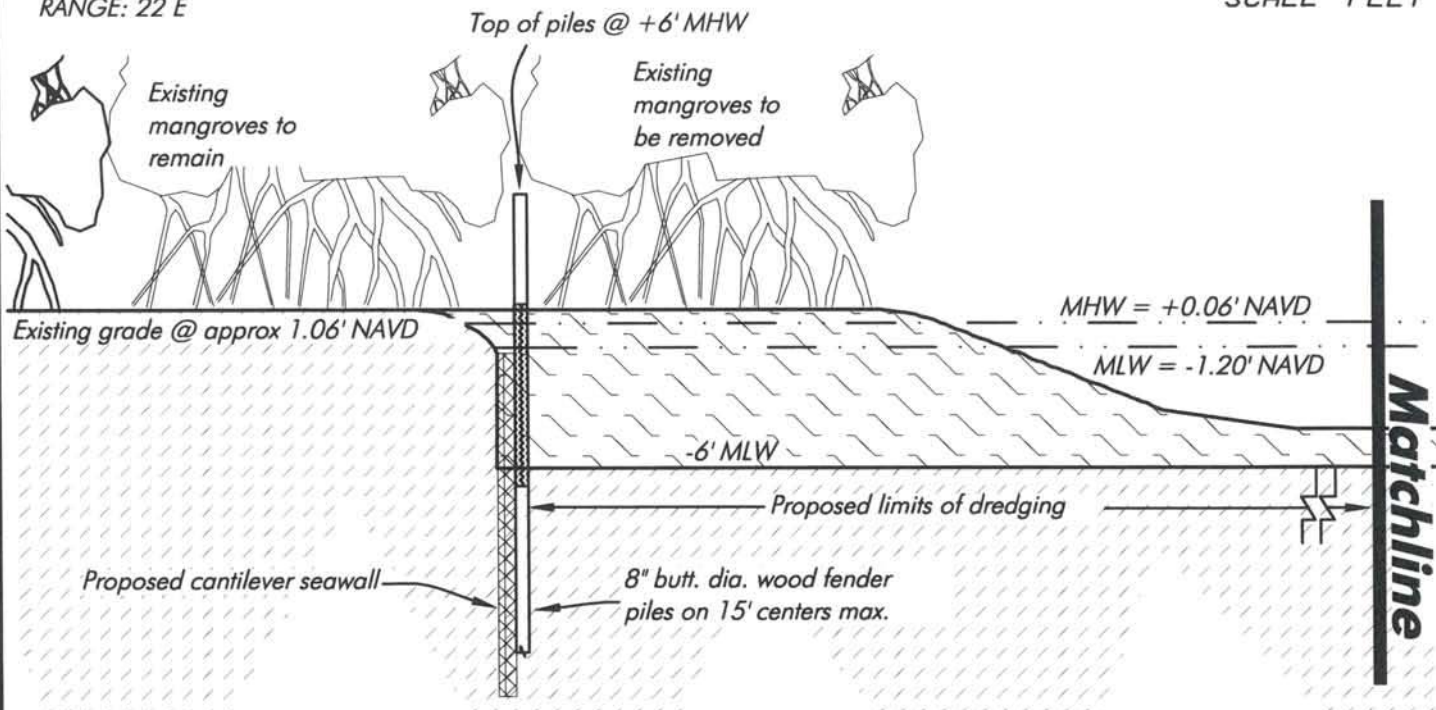
jon

**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

0 5 10
SCALE FEET



Cross-Section D-D

SCALE: 1" = 10'

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 16 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG

PERMIT USE ONLY, NOT FOR CONSTRUCTION



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

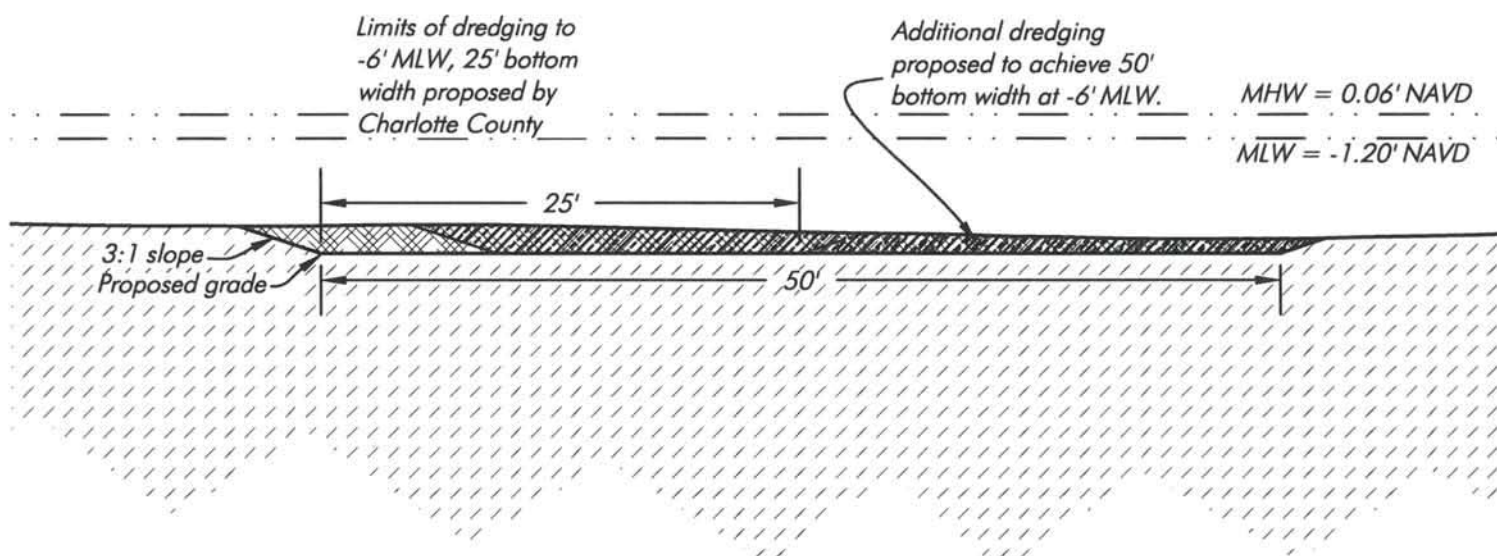
jon

**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

0 5 10
SCALE FEET



Cross-Section E-E

SCALE: 1" = 10'

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 17 of 19

PERMIT USE ONLY, NOT FOR CONSTRUCTION

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

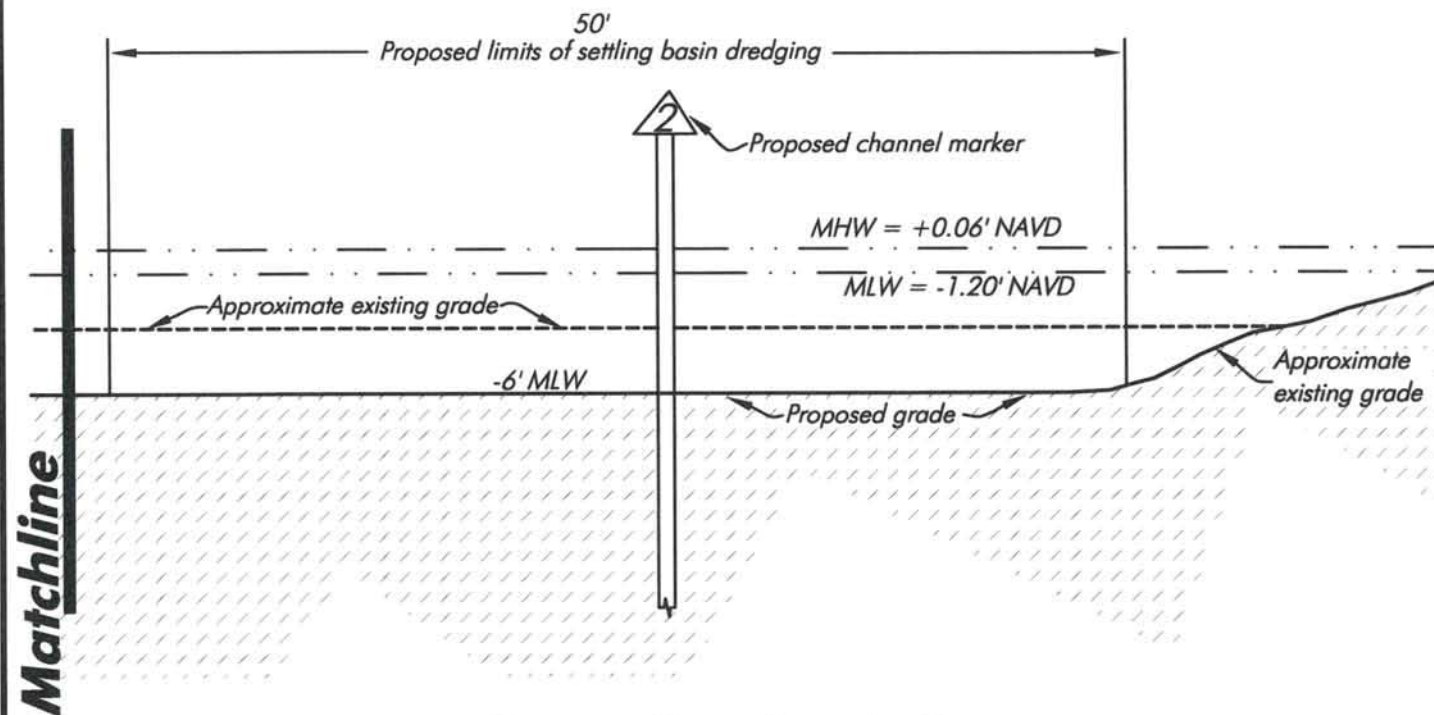
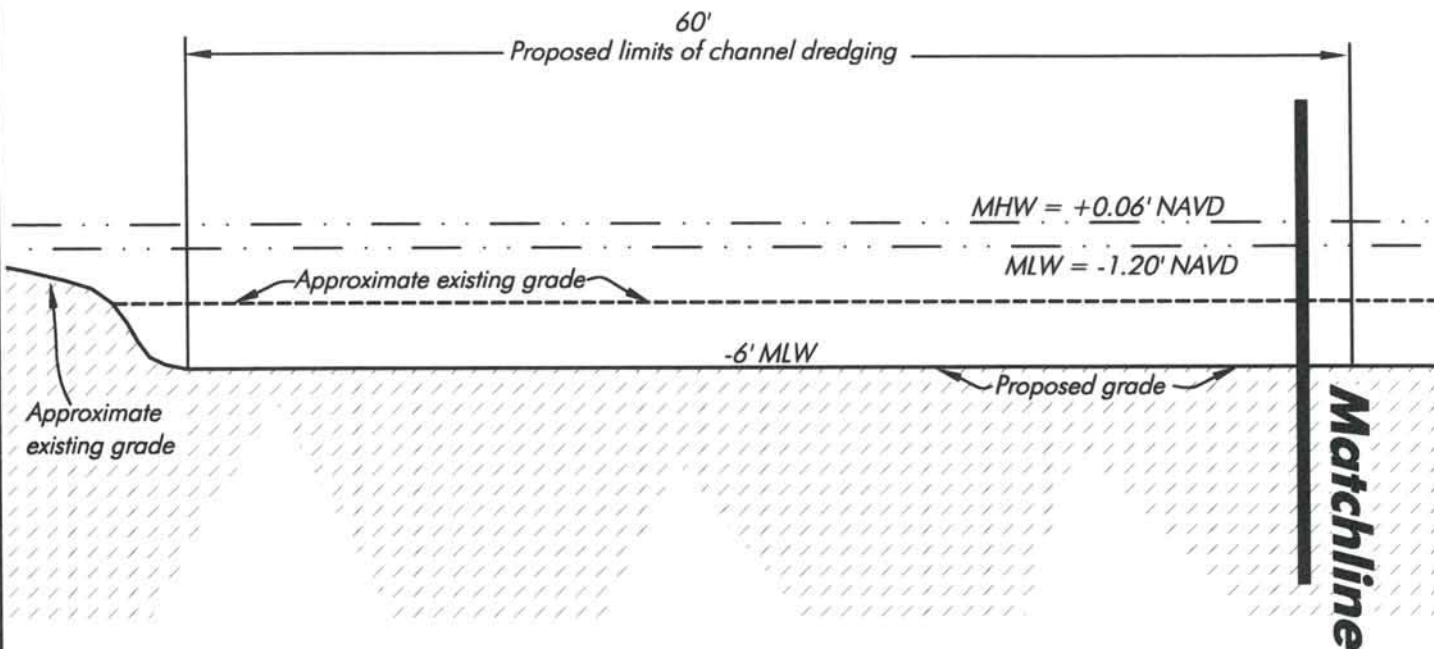
jon

City of
Punta Gorda

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

0 5 10
SCALE FEET



Cross-Section F-F

SCALE: 1" = 10'

SAJ-2016-02715

Additional Channel Access
to Charlotte Harbor

5-16-17

Page 18 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRDA1MASTER.DWG

PERMIT USE ONLY, NOT FOR CONSTRUCTION



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

jon

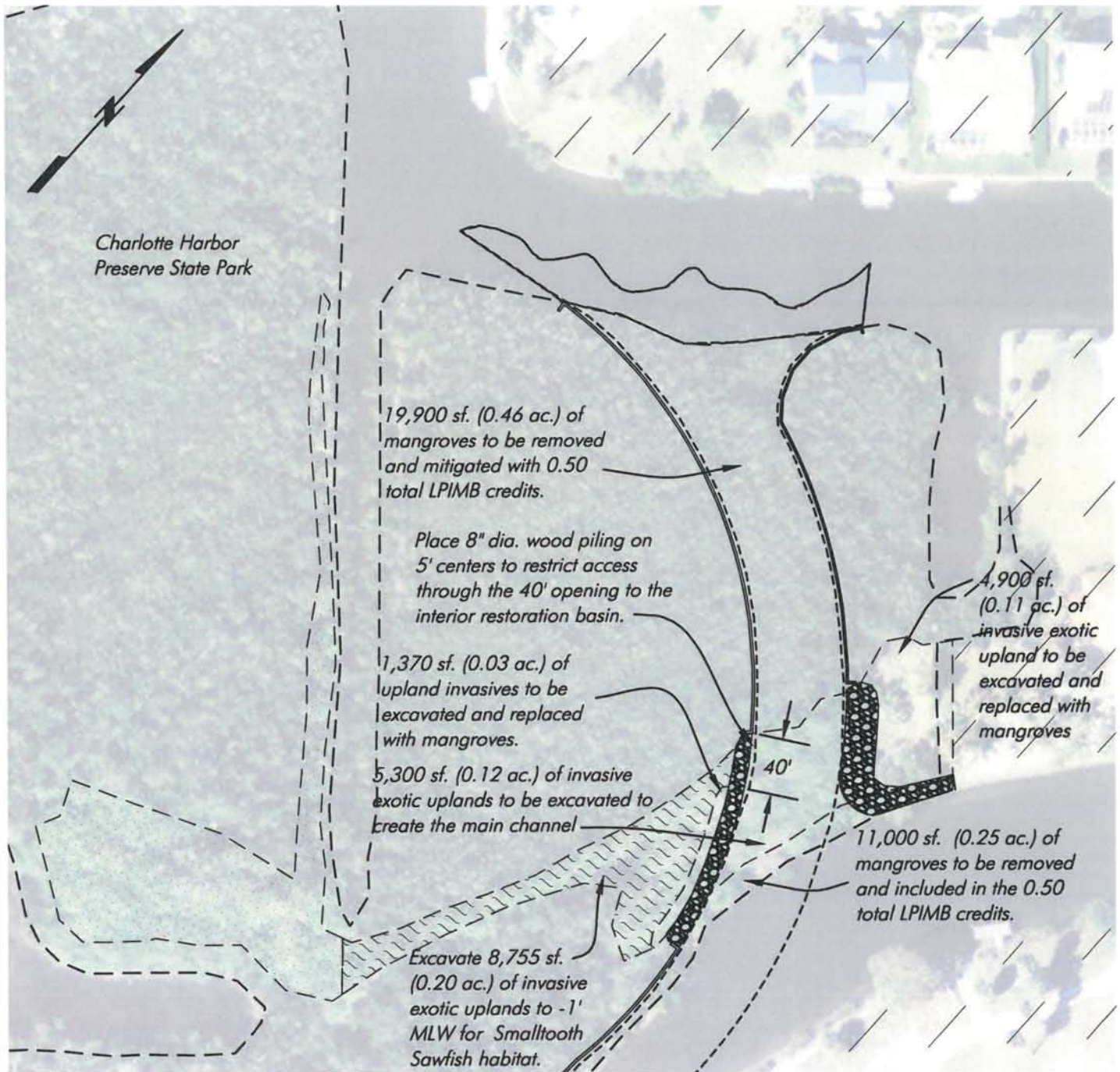
**City of
Punta Gorda**

SHEET

SECTION: 25
TOWNSHIP: 41 S
RANGE: 22 E

Charlotte County Aerial 2011

0 50' 100'
SCALE FEET



Proposed Restoration - **Public Interest**

Note: Bathymetry references MLW, collected by Hans Wilson & Assoc. Inc. on 7-8-14, per Tide Sta. 872-5744.

SCALE: 1" = 100'

SAJ-2016-02715
Additional Channel Access
to Charlotte Harbor
5-16-17 Page 19 of 19

May 16, 2017 11:46:45 a.m.
Drawing: PNTAGRA1MASTER.DWG

PERMIT USE ONLY, NOT FOR CONSTRUCTION



1938 Hill Avenue, Fort Myers, Florida 33901
Office: 239-334-6870 Fax: 239-334-7810
MARINE and ENVIRONMENTAL CONSULTANTS

5-16-17

jon

City of
Punta Gorda

SHEET