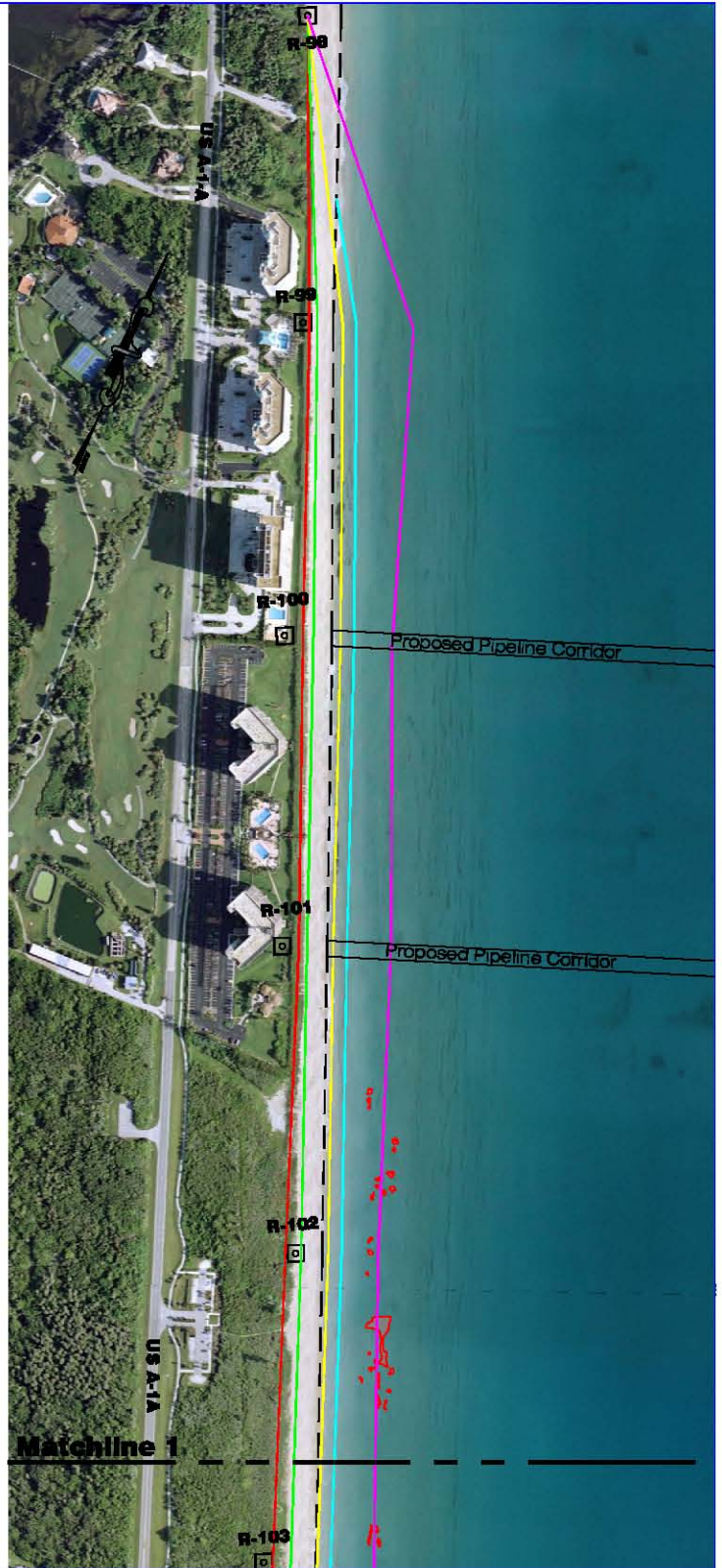


APPENDIX M

APPLICANT'S PREFERRED PLAN WITH 2008 AND 2010 HARDBOTTOM MAPS

SUB-APPENDIX M1

APPLICANT'S PREFERRED PLAN WITH 2008 HARDBOTTOM MAP



NOTES:

1. Aerial photographs obtained on August 01, 2008 and provided by Aerial Cartographics of America, Inc.
2. Limits of Hardbottom determined by Continental Shelf Associates International, Inc.

SCALE IN FEET

Legend

- Proposed Upland Limits of Fill
- Proposed Seaward Edge of the Top of Dune
- Existing Mean High Water Line (MHWL)
- Proposed Seaward Edge of Top of Berm
- Proposed Mean High Water Line (MHWL)
- Equilibrated Toe of Fill of the Advanced Nourishment
- Limits of Hardbottom



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Plan View - 35' Berm Fill Area

Beach & Dune Restoration Project
St. Lucie County, Florida

ENGR

MPW

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Legend

- Proposed Upland Limits of Fill
- Proposed Seaward Edge of the Top of Dune
- Existing Mean High Water Line (MHWL)
- Proposed Seaward Edge of Top of Berm
- Proposed Mean High Water Line (MHWL)
- Equilibrated Toe of Fill of the Advanced Nourishment
- Limits of Hardbottom

NOTES:

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Plan View - 35' Berm Fill Area

Beach & Dune Restoration Project
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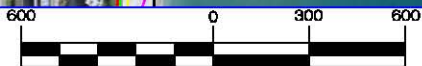
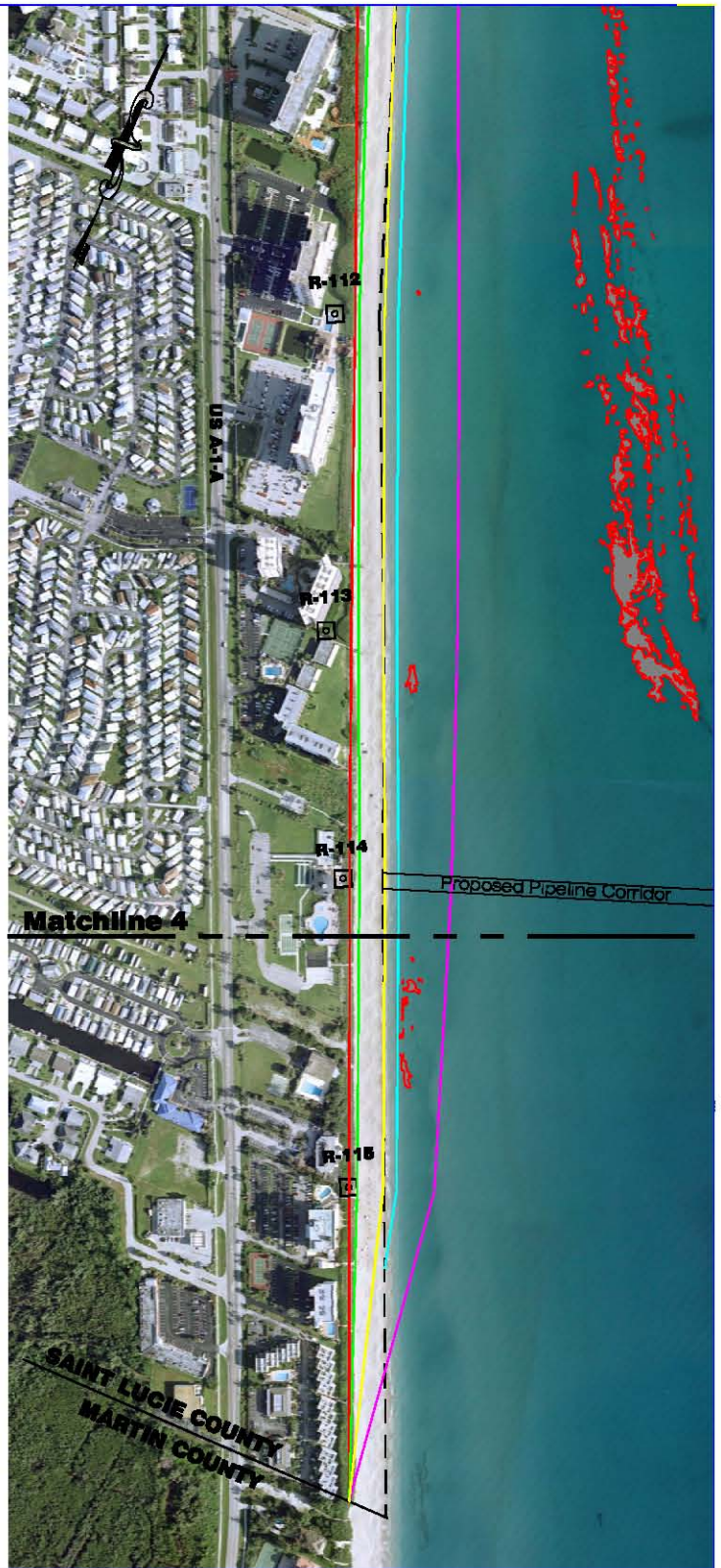
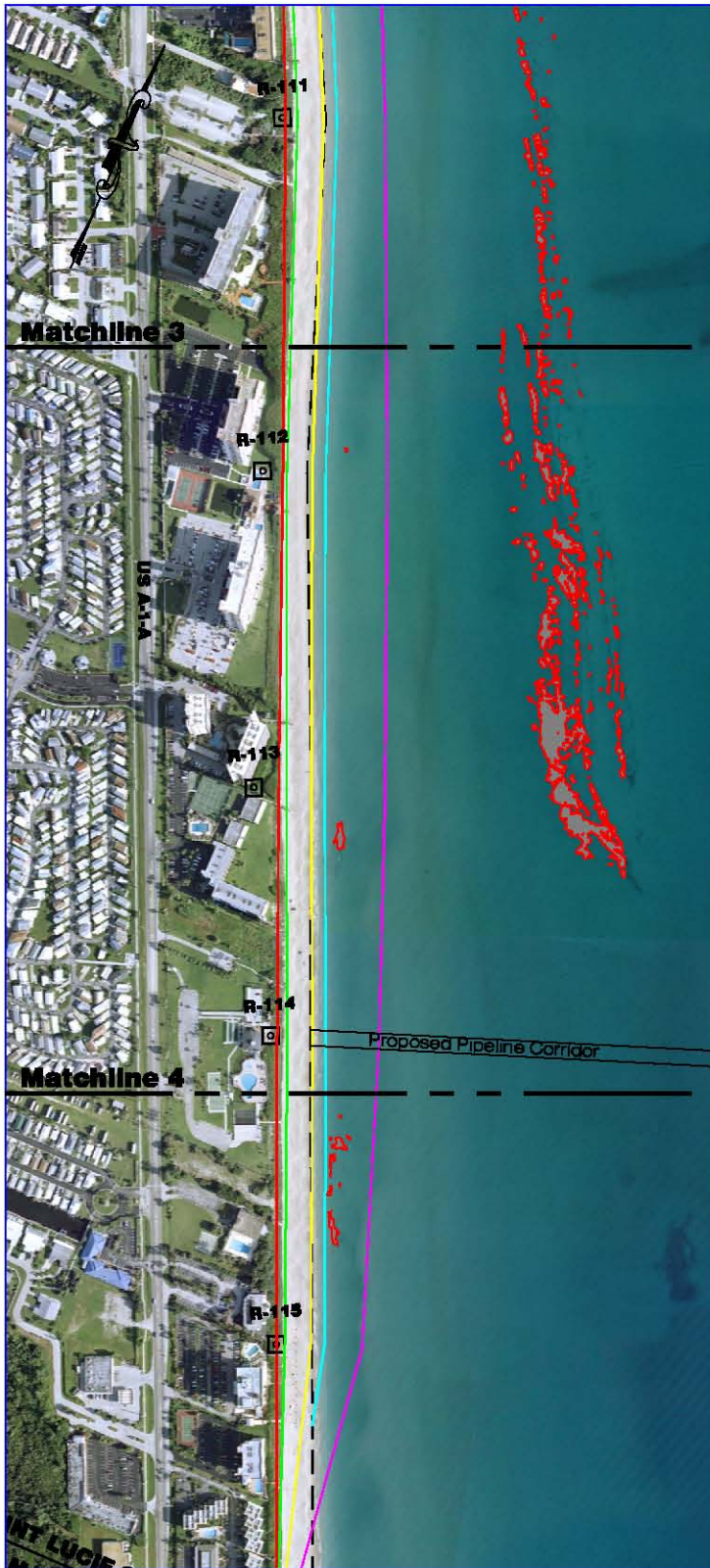
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OF 13 SHEETS

JOB NO.

24360.06



Legend

- Proposed Upland Limits of Fill
- Proposed Seaward Edge of the Top of Dune
- Existing Mean High Water Line (MHWL)
- Proposed Seaward Edge of Top of Berm
- Proposed Mean High Water Line (MHWL)
- Equilibrated Toe of Fill of the Advanced Nourishment
- Limits of Hardbottom

NOTES:

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Plan View - 35' Berm Fill Area

Beach & Dune Restoration Project
St. Lucie County, Florida

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DATE

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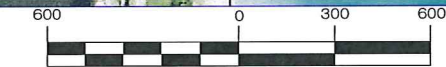
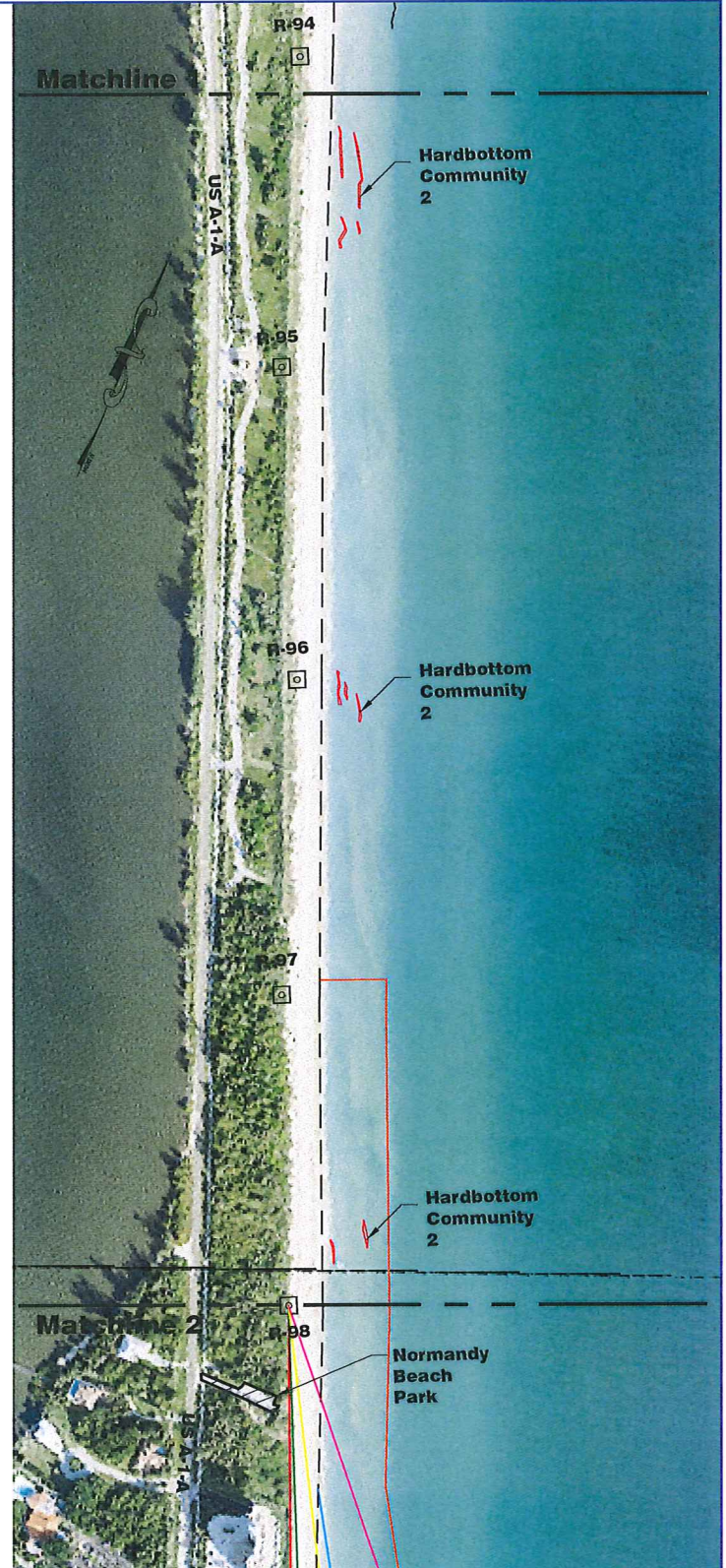
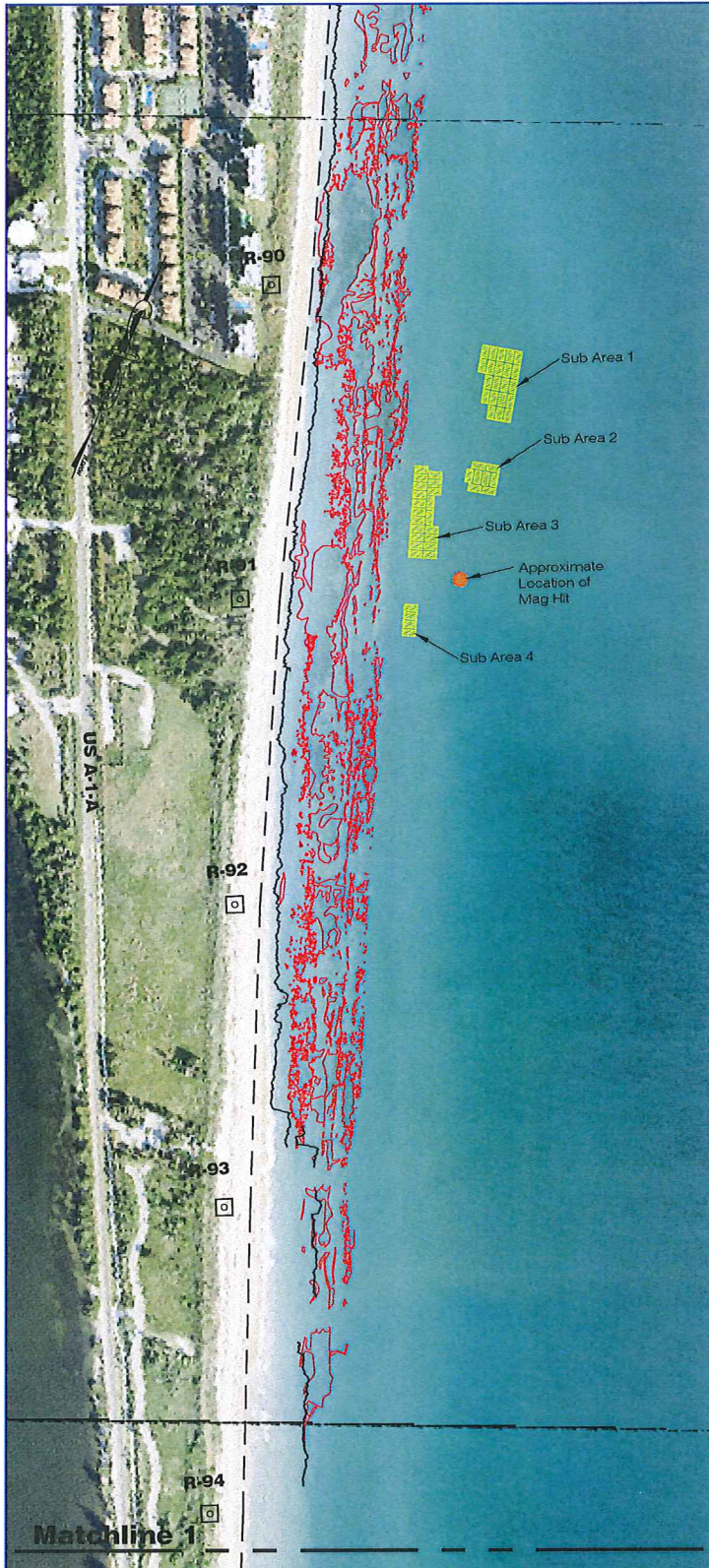
OF 13 SHEETS

JOB NO.

24360.06

SUB-APPENDIX M2

APPLICANT'S PREFERRED PLAN WITH 2010 HARDBOTTOM MAP



NOTES:

1. Aerial Photography Dated October 21, 2010 by Aerial Cartographics of America, Inc.
2. Hardbottom digitized by Continental Shelf Associates International, Inc from 2010 aerial photos.
3. Landward Edge of Hardbottom mapped by Continental Shelf Associates International, Inc June to July 2009.
4. Proposed project area extends from R-87.7 to R-90.3 and from R-98 to St.Lucie County/Martin County Line.

Proposed



Upland Construction Access/Staging Area



Upland Limits of Fill



Seaward Edge of the Top of Dune



Seaward Edge of Top of Berm



Mean High Water Line (MHWL)



Equilibrated Top of Fill Ranch RD/Offshore Borrow Area



Mixing Zone Limits



Proposed Mitigation Reef

Legend

Existing



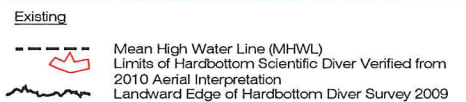
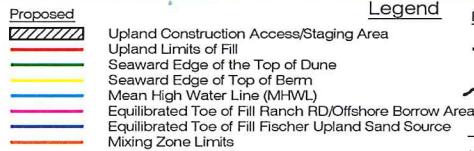
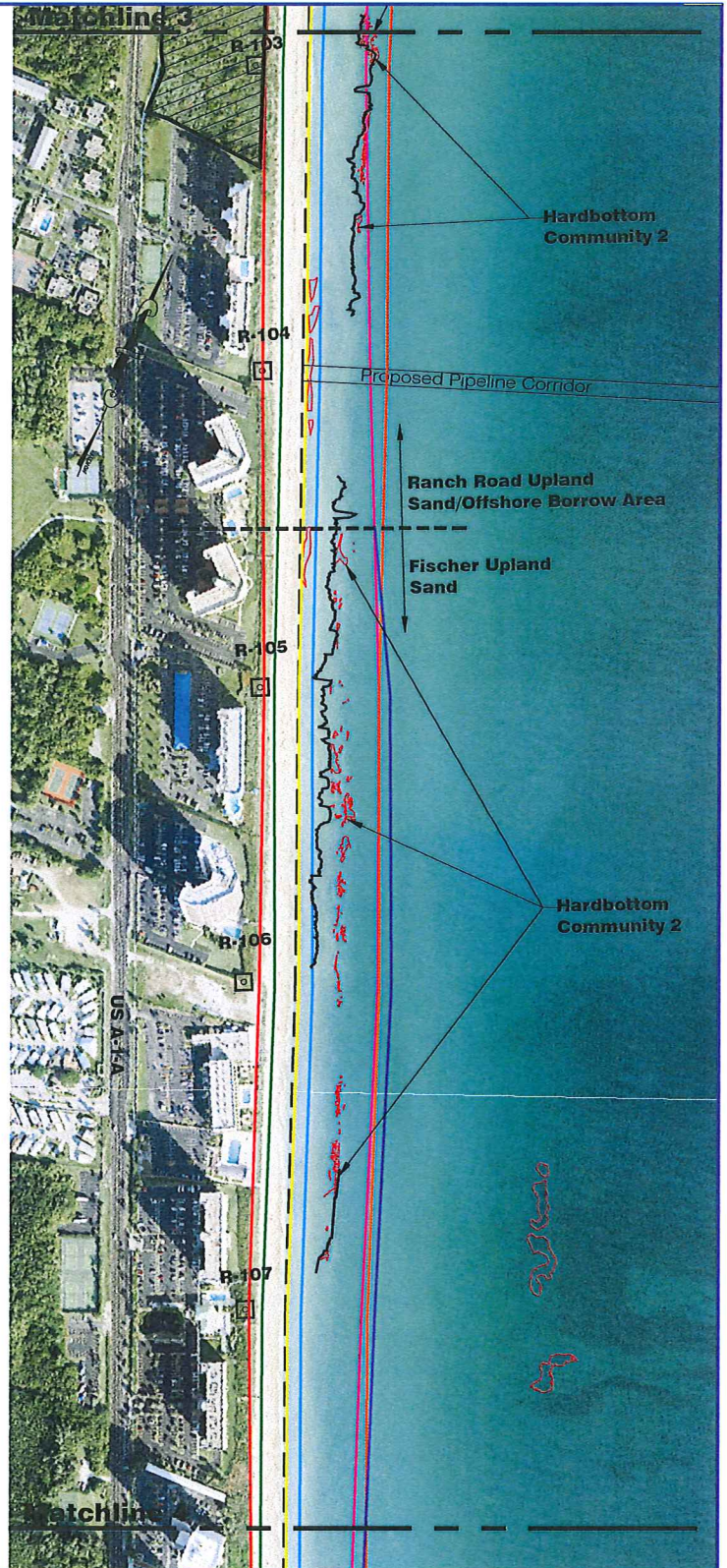
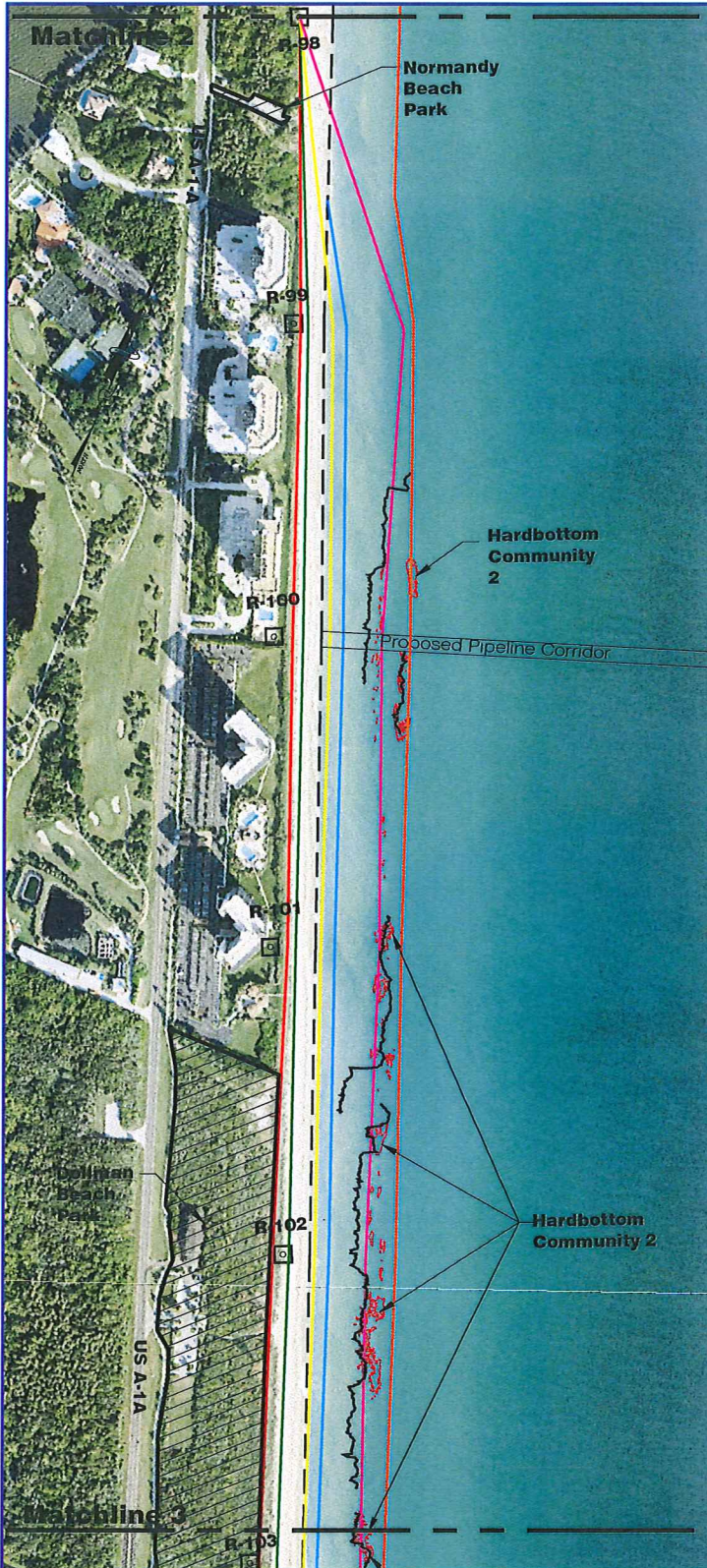
Mean High Water Line (MHWL)



Limits of Hardbottom Scientific Diver Verified from 2010 Aerial Interpretation



Landward Edge of Hardbottom Diver Survey 2009



NOTES: SCALE IN FEET

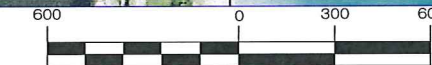
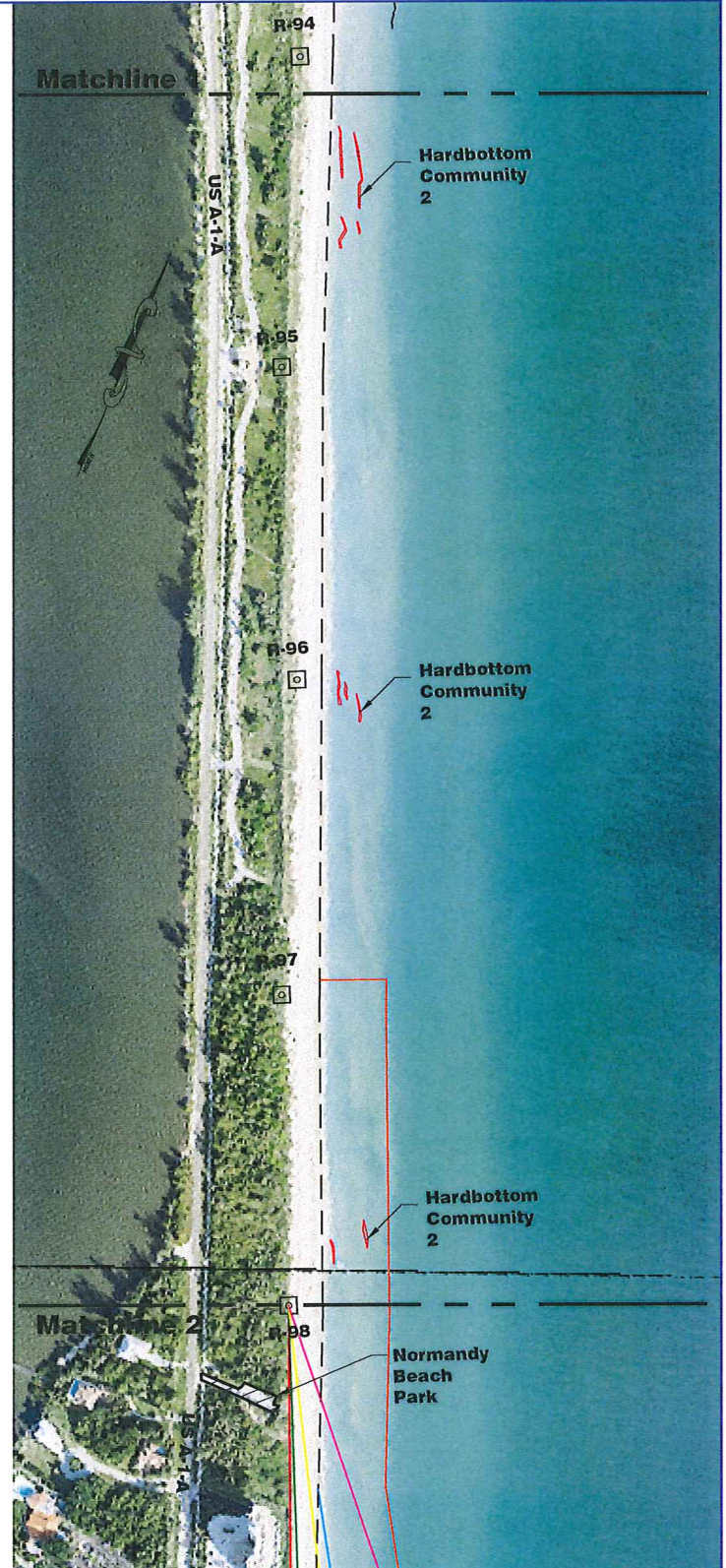
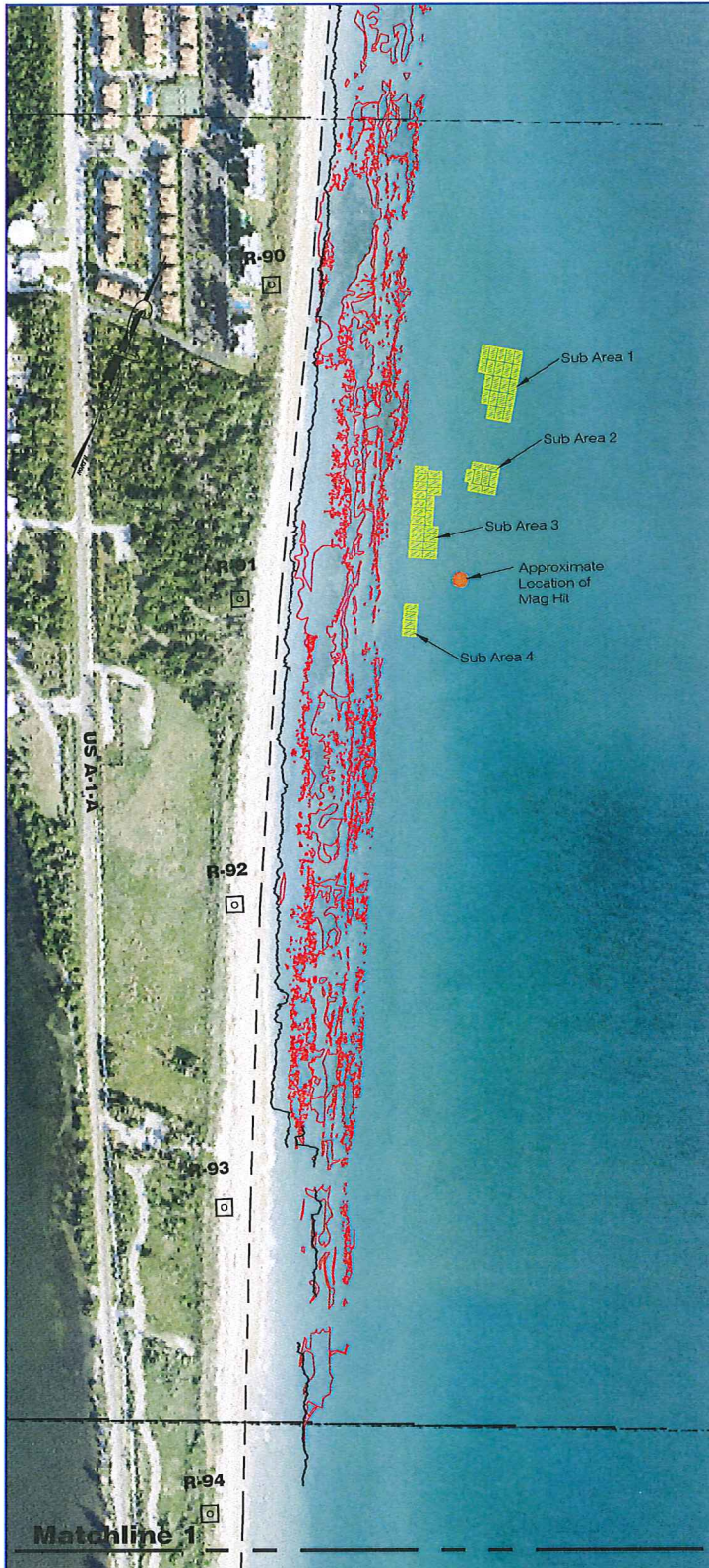
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Plan View - Proposed Fill Area
 South County
 Beach & Dune Restoration Project
 St.Lucie County

MICHAEL P. WALTHER, P.E. DATE
 FLORIDA P.E. LICENSE NUMBER 32081

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LAST REVISION 02/10/2012	DATE 08/26/09	JOB NO. 24360.06



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Proposed



Upland Construction Access/Staging Area



Upland Limits of Fill



Seaward Edge of the Top of Dune



Seaward Edge of Top of Berm



Mean High Water Line (MHWL)



Equilibrated Top of Fill Ranch RD/Offshore Borrow Area



Mixing Zone Limits



Proposed Mitigation Reef

Legend

Existing



Mean High Water Line (MHWL)



Limits of Hardbottom Scientific Diver Verified from 2010 Aerial Interpretation



Landward Edge of Hardbottom Diver Survey 2009

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Plan View - Proposed Fill Area

South County

Beach & Dune Restoration Project

St. Lucie County

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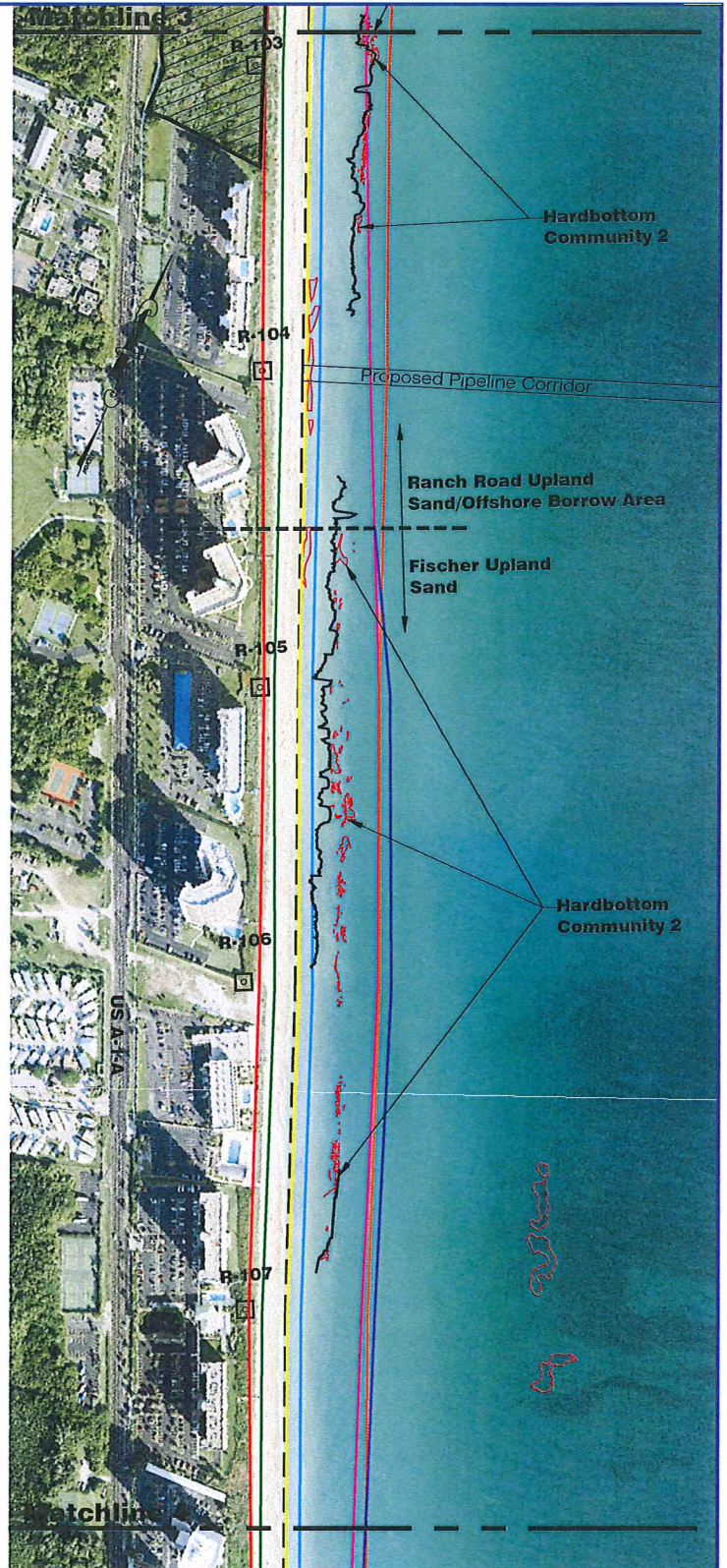
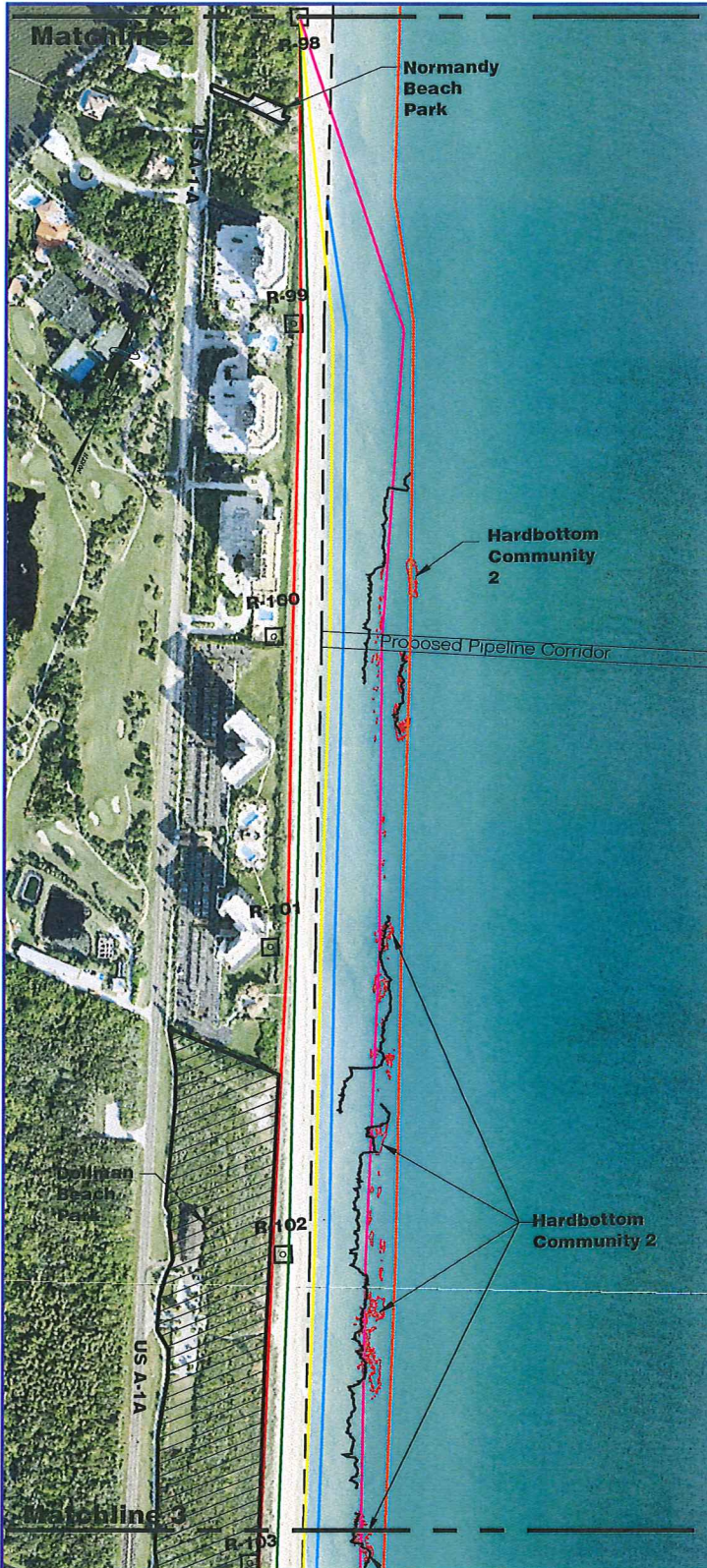
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SHEET 3

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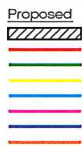
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Proposed
 Upland Construction Access/Staging Area
 Upland Limits of Fill
 Seaward Edge of the Top of Dune
 Seaward Edge of Top of Berm
 Mean High Water Line (MHWL)
 Equilibrated Toe of Fill Ranch RD/Offshore Borrow Area
 Equilibrated Toe of Fill Fischer Upland Sand Source
 Mixing Zone Limits

Existing

Mean High Water Line (MHWL)
 Limits of Hardbottom Scientific Diver Verified from 2010 Aerial Interpretation
 Landward Edge of Hardbottom Diver Survey 2009



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Plan View - Proposed Fill Area

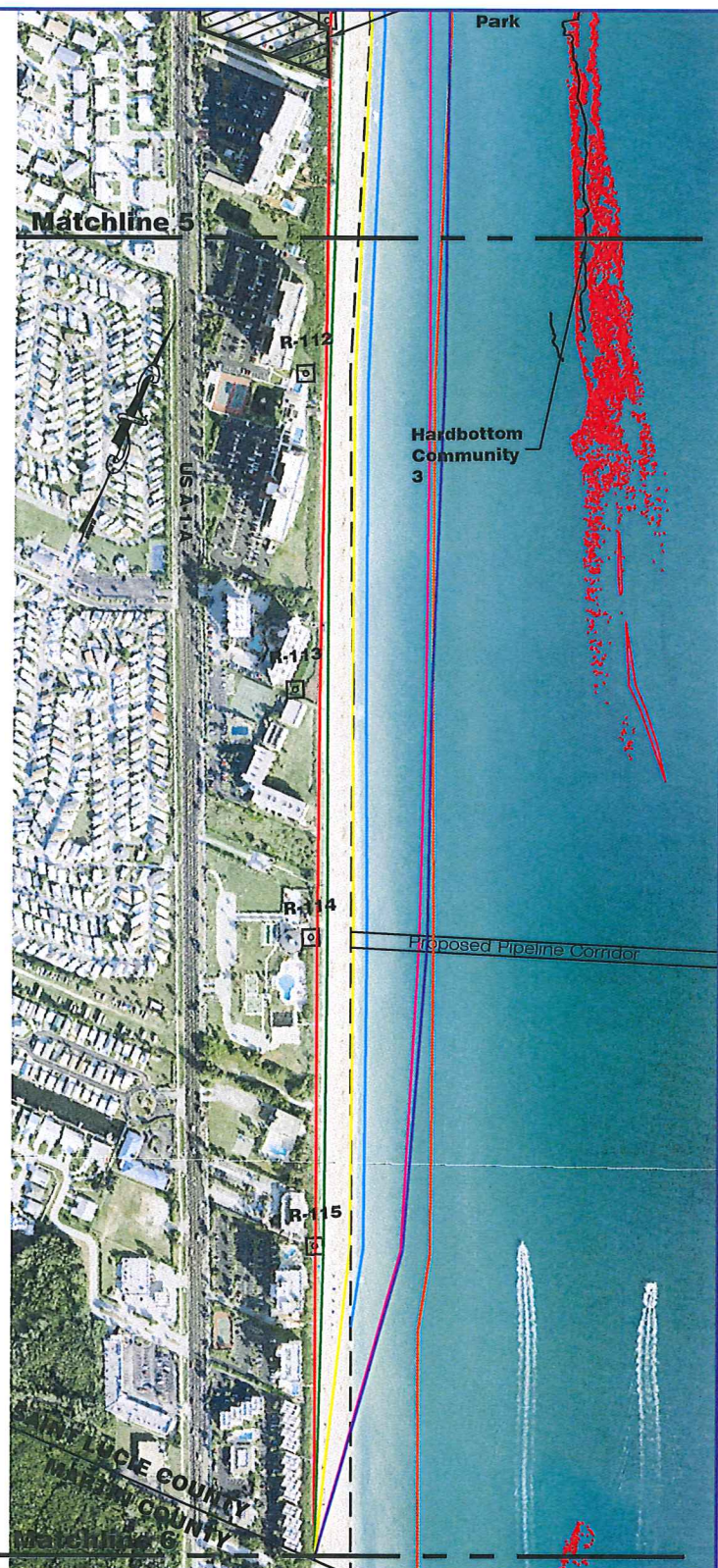
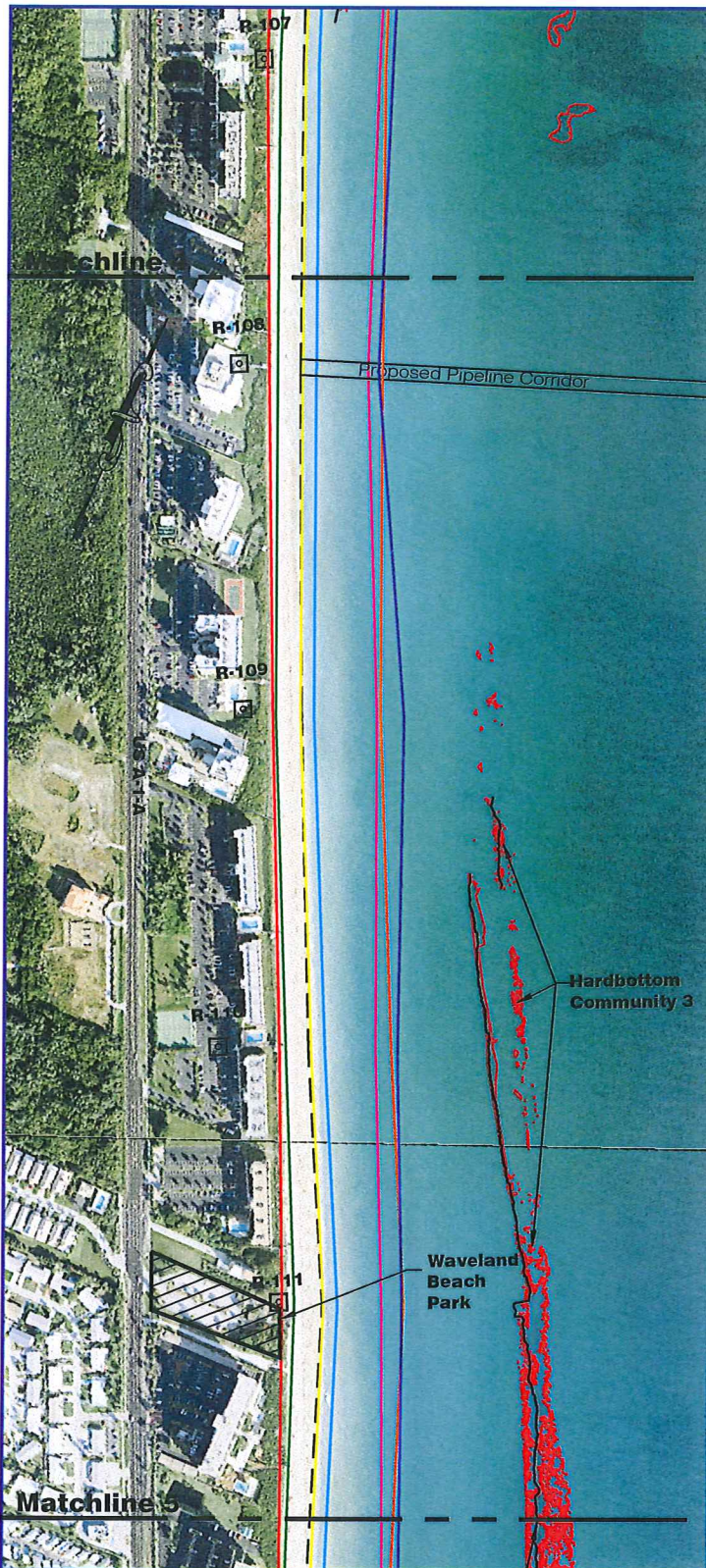
South County

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St.Lucie County

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SCALE IN FEET

Proposed



Upland Construction Access/Staging Area
Upland Limits of Fill
Seaward Edge of the Top of Dune
Seaward Edge of Top of Berm
Mean High Water Line (MHWL)
Equilibrated Toe of Fill Ranch RD/Offshore Borrow Area
Equilibrated Toe of Fill Fischer Upland Sand Source
Mixing Zone Limits

Legend

Existing



Mean High Water Line (MHWL)
Limits of Hardbottom Scientific Diver Verified from
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Plan View - Proposed Fill Area

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St.Lucie County

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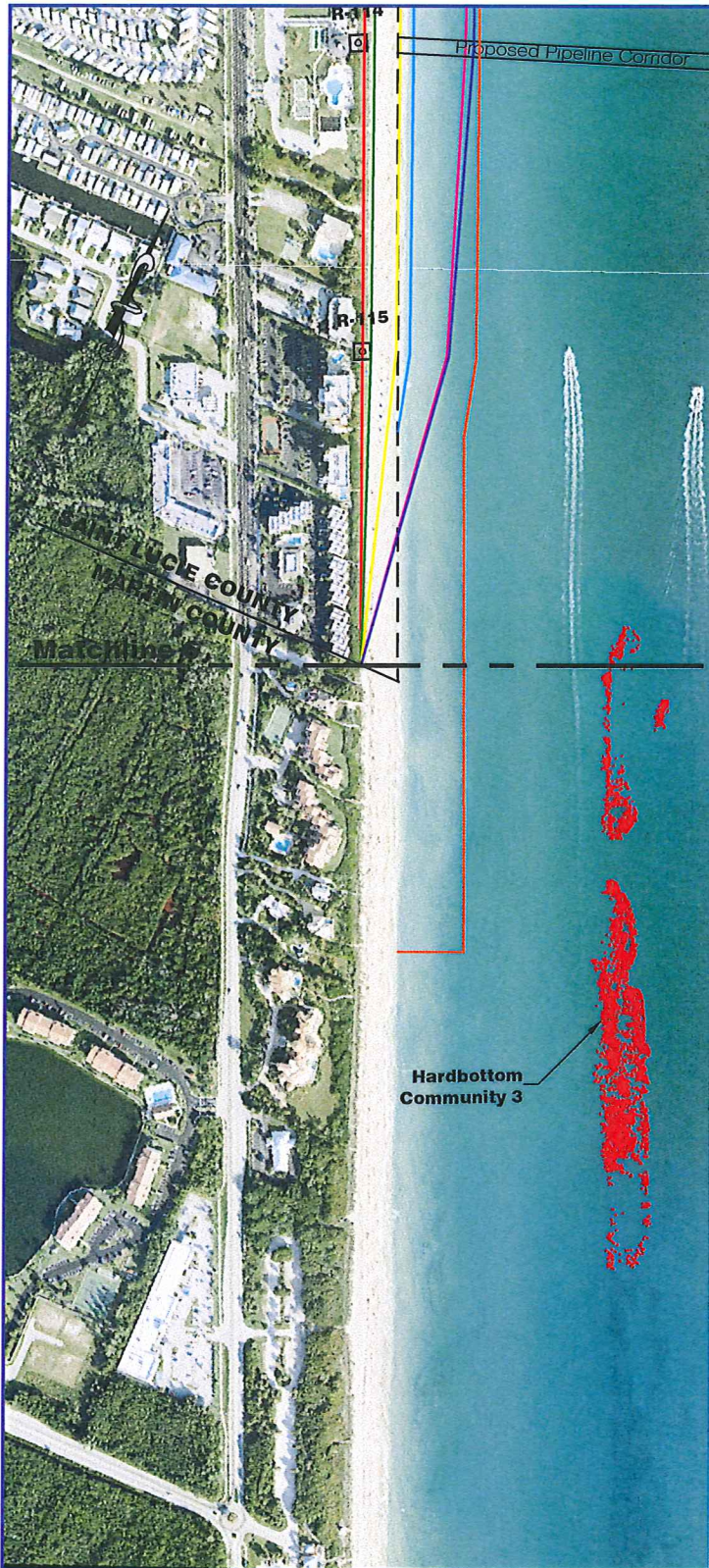
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DATE
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JOB NO.
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Legend

Proposed

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