Environmental Resource Permit Application for

Bob and Annie's Boatyard

St James City, Florida

GENERAL SITE DATA

PROJECT INTENT:
REHABILITATION AND EXPANSION OF EXISTING COMMERICAL BOAT YARD FACILITY

PROJECT LOCATION:
3420 STRINGFELLOW ROAD
ST JAMES CITY, FLORIDA 33956

PROPERTY OWNER:
PARCEL "A & B" CHRIS AND BONNIE CONOVER
3923 PHOENIX DR
ST JAMES CITY, FL 33956

PARCEL "C" BLUE OCEAN MARINE, LLC
3923 PHOENIX DR
ST JAMES CITY, FL 33956

PROPERTY LAT/LONG
N26°30'35.0" - W82°04'57.7"

PRESENT ZONING CLASSIFICATION:
IPD RESOLUTION # Z-09-032 (MARCH 2010)
CPD RESOLUTION (DCI2015-00010 FEBRUARY 2017)
TOWN OF FORT MYERS BEACH

JURISDICTIONS:
LOCAL: LEE COUNTY
STATE: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FEDERAL: ARMY CORP OF ENGINEERS

PROJECT AREA:
OVERALL SITE 0.73 ACRES

STRAP NO.:
35-45-22-04-00001-0000
35-45-22-04-00002-0000
35-45-22-04-00003-0000

FLOOD ZONE:
BASED ON THE NATIONAL FLOOD INSURANCE PROGRAM F.I.R.M. MAP COMMUNITY NO. 125124, PANEL NUMBER 0390, DATED 8/28/2008, THE ABOVE DESCRIBED PROPERTY IS WITHIN FLOOD ZONE AE-7, ELEVATION 7.0 (NAVD88)

SCHEDULE OF DRAWINGS

1	PROJECT INFORMATION
2	LOCATION MAP
3	USGS MAP
4	2015 AERIAL MAP
5	EXISTING CONDITIONS
6	DEMOLITION PLAN
7	PROPOSED MASTER PLAN
8	PAVING AND DRAINAGE PLAN
9	SECTION (1)
10	SECTION (2)
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12	SECTION (4)
13	SECTION (5)
14	DOCK DETAILS

JAMES M INK
LICENSE
No 44706
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SECTION 35
TOWNSHIP 46S
RANGE 22E
N26°30'35.0" - W82°04'57.7"

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James Ink, P.E.
Florida Reg. No. 44706
2/9/16

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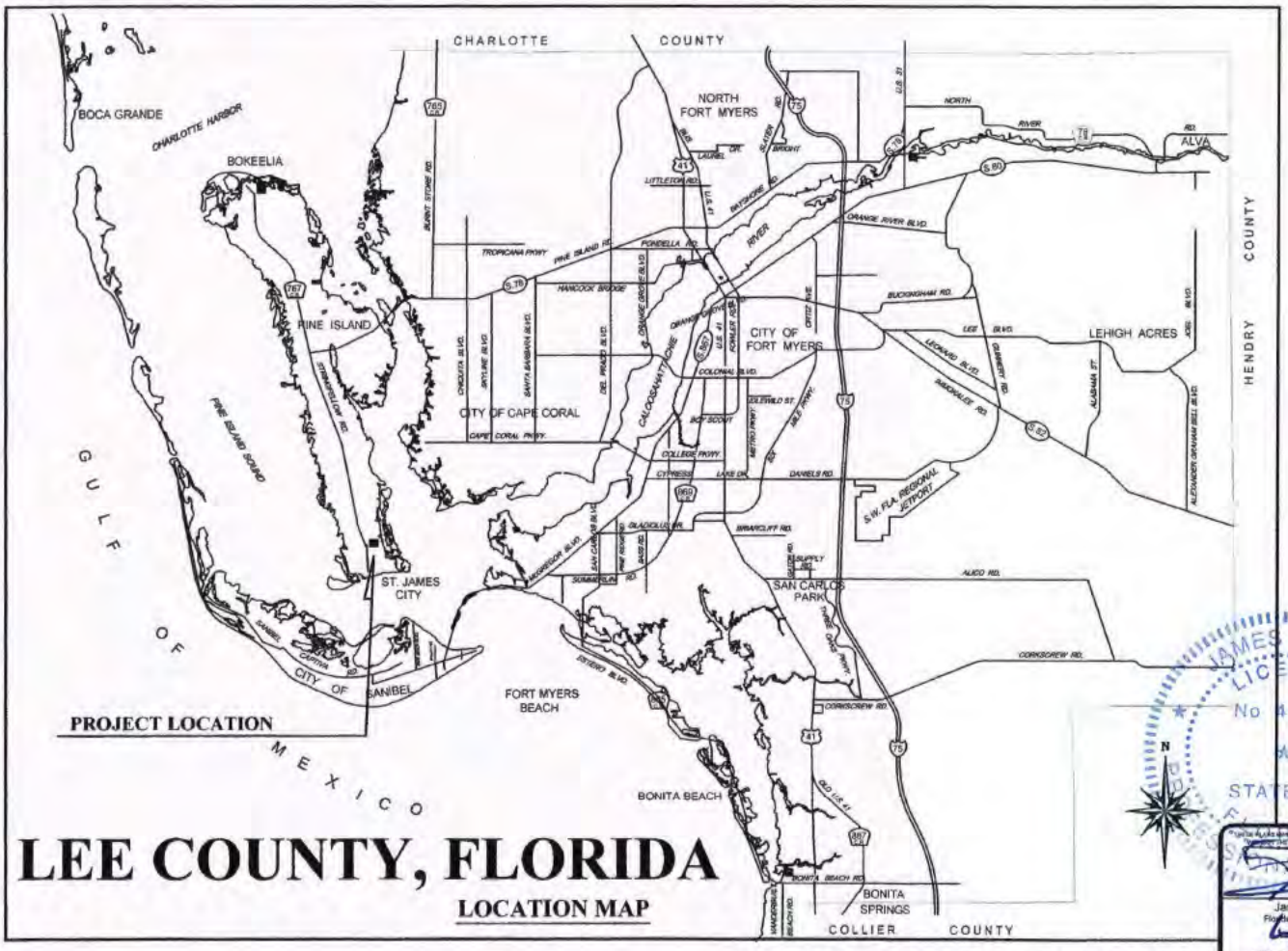
E-mail: Jamesink@inkwerks.net

PROJECT INFORMATION	JOB #:	I13012
BOB AND ANNIES BOATYARD	DATE:	2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET:	1 of 14



LEE COUNTY, FLORIDA

LOCATION MAP

JAMES M INK LICENSE No 44706 STATE OF FLORIDA PROFESSIONAL ENGINEER

SECTION 35
TOWNSHIP 45S
RANGE 22E
N26°30'35.0" W82°04'57.7"

Jamesink, PE
Florida Reg. No. 44706
Date

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LOCATION MAP	JOB #: I13012
BOB AND ANNIES BOATYARD	DATE: 2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET: 2 of 14

Inkwerks	USGS MAP	JOB #: I13012
2055 West First Street Fort Myers, Florida 33901 Tel: (239) 334-2450 Fax: (239) 334-0278 E-mail: Jamesink@inkwerks.net	BOB AND ANNIES BOATYARD	DATE: 2.2016
	3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET: 3 of 14

SCALE IN FEET

0 50 100

JAMES M INK
LICENSE
No 44706
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SECTION 29
TOWNSHIP 45S
RANGE 22E
N26°30'35.8" - W82°54'57.7"

Jamesink, P.E.
Florida Reg. No. 44706
Date: 6/7/16

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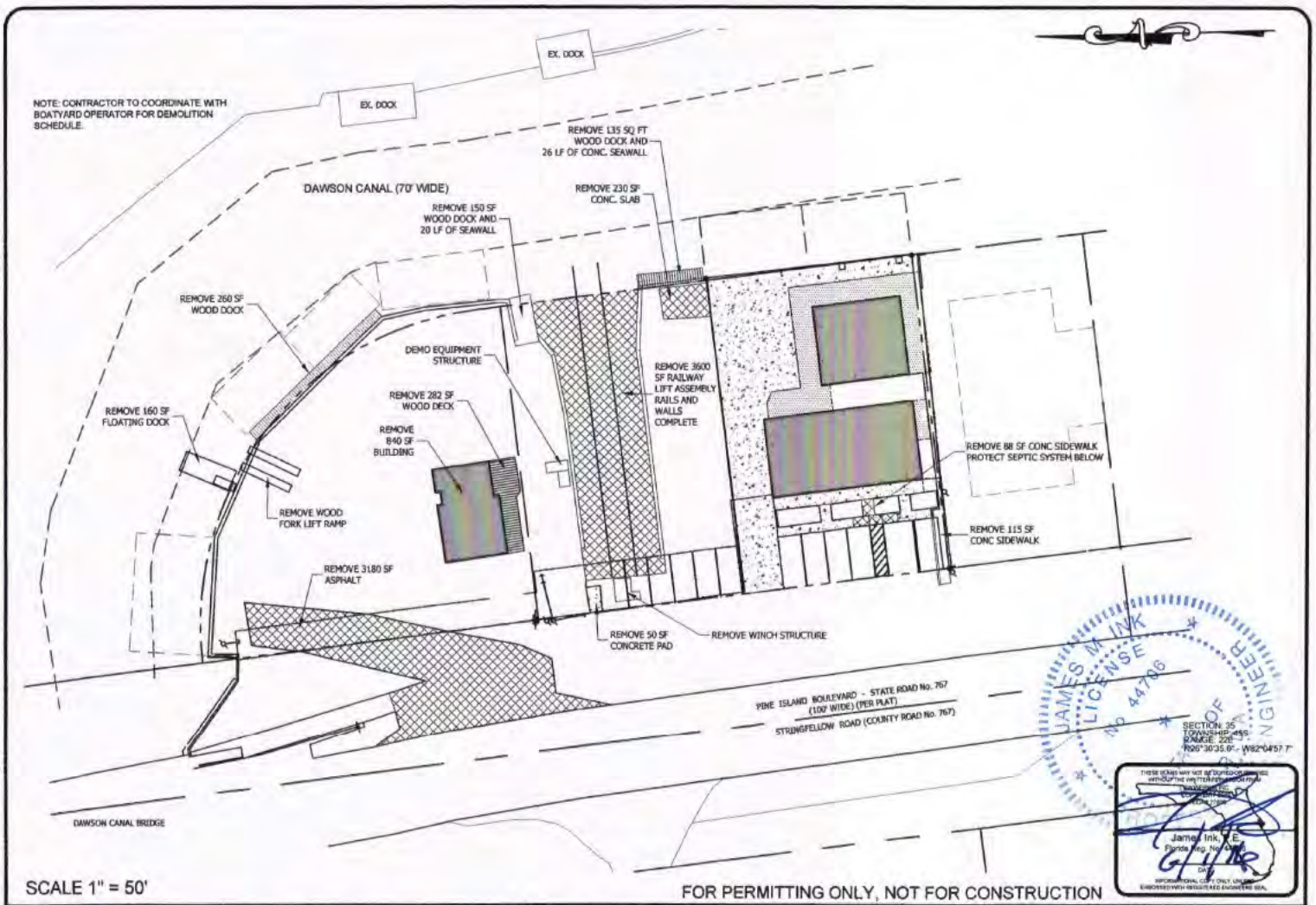
2015 AERIAL MAP	JOB #:	I13012
BOB AND ANNIES BOATYARD	DATE:	2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET:	4 of 14



SCALE 1" = 50'

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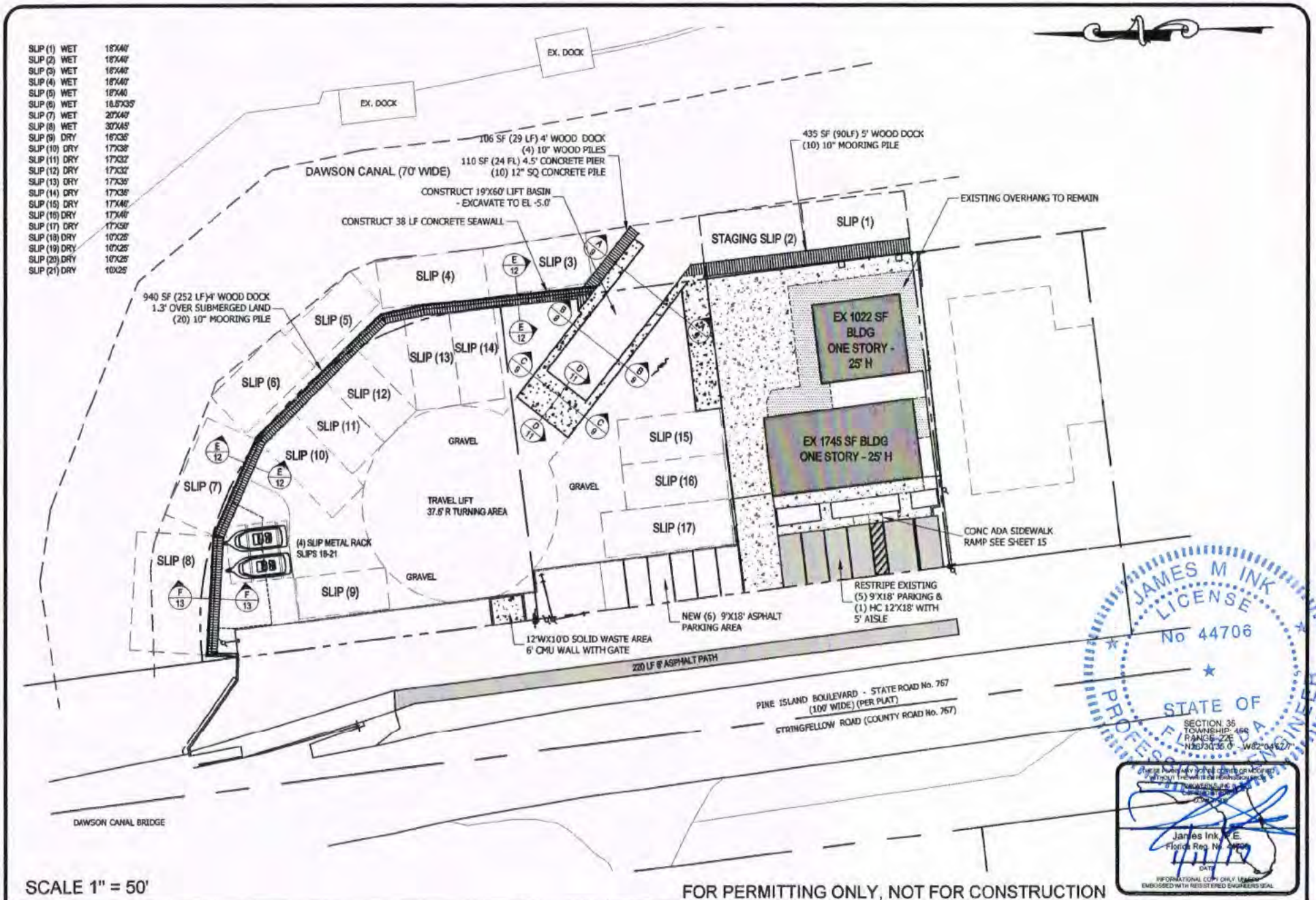
DEMOLITION PLAN	JOB #:	I13012
BOB AND ANNIES BOATYARD	DATE:	2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET:	6 of 14



SCALE 1" = 50'

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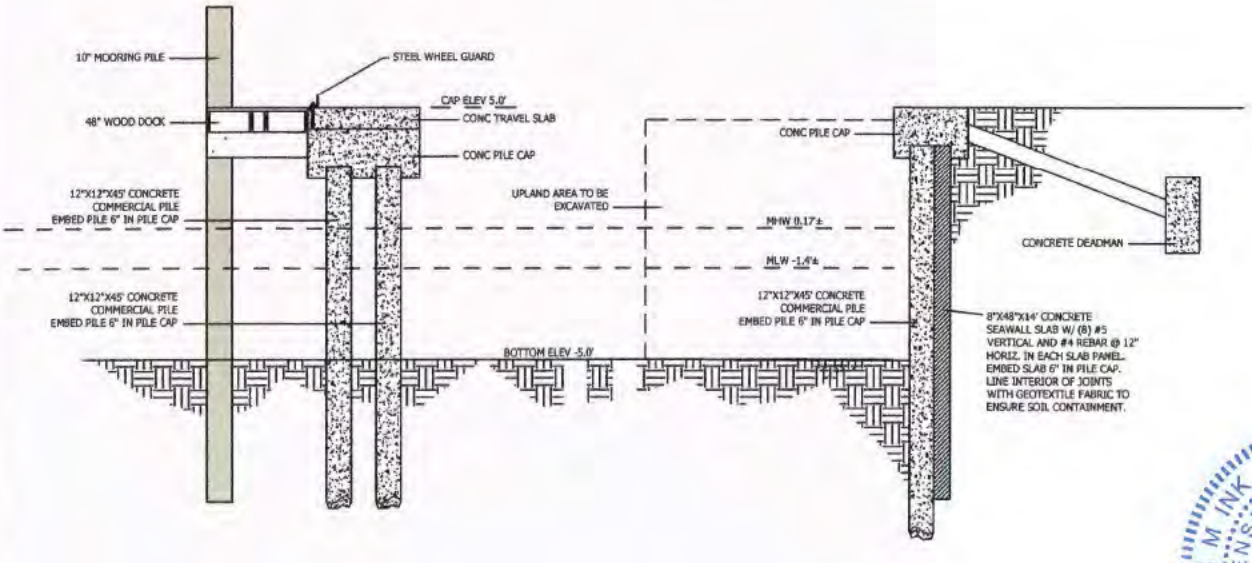
PROPOSED MASTER PLAN	JOB #:	I13012
BOB AND ANNIES BOATYARD	DATE:	2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET:	7 of 14



SECTION A-A

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JAMES M INK LICENSE No 44706 STATE OF FLORIDA PROFESSIONAL ENGINEER

SECTION 35
TOWNSHIP 45S
RANGE 22E
N26°56'35.0" - JA82'0457.7"

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Date

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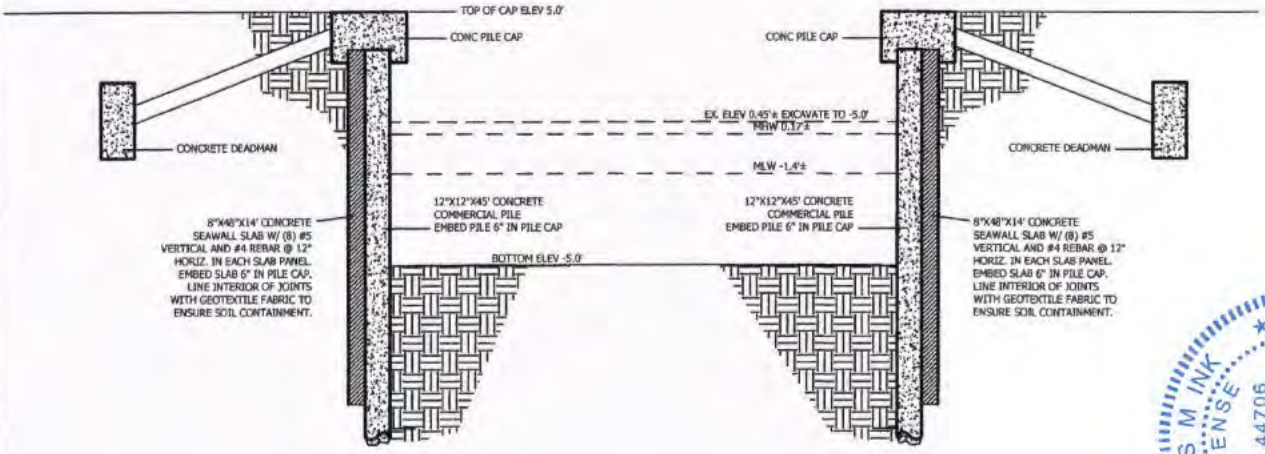
SECTION (1)	JOB #:	I13012
BOB AND ANNIES BOATYARD	DATE:	2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET:	9 of 14



SECTION B-B

SCALE 1"=6'

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JAMES M INK LICENSE No 44706 STATE OF FLORIDA PROFESSIONAL ENGINEER

SECTION 25
TOWNSHIP 45S
RANGE 20E
N26°30'36.0" - W82°04'57.7"

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Date signed: 2/17/16

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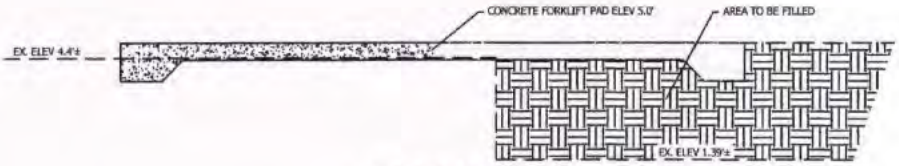
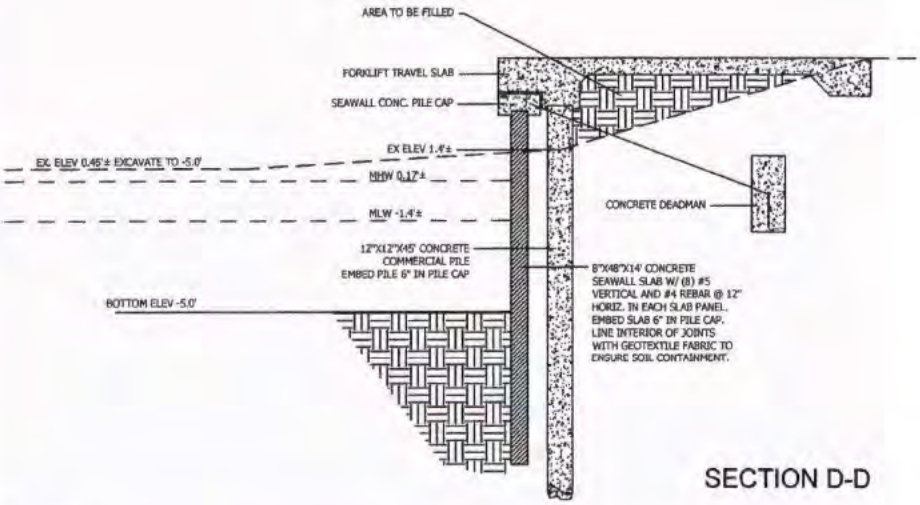
SECTION (2)	JOB #: I13012
BOB AND ANNIES BOATYARD	DATE: 2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET: 10 of 14

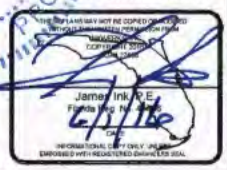


SECTION C-C



SECTION D-D

SECTION: 35
TOWNSHIP: 45S
RANGE: 22E
N26°30'35.0" - W82°04'57.7"



SCALE 1"=6'

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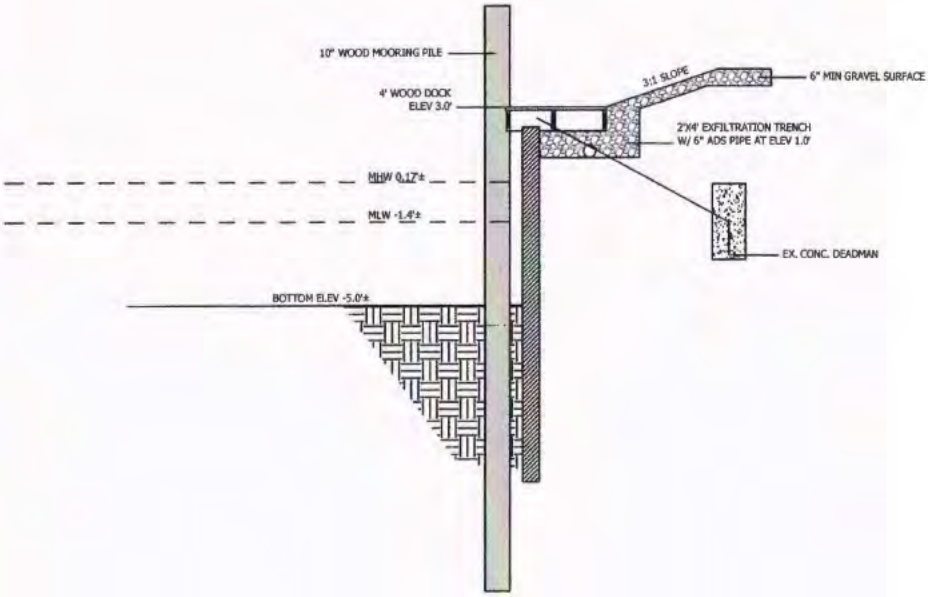
SECTION (3)	JOB #:	I13012
BOB AND ANNIES BOATYARD	DATE:	2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET:	11 of 14



SECTION E-E

SCALE 1"=6'

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JAMES M INK
LICENSE
No 44706
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SECTION 35
TOWNSHIP 45S
RANGE 22E
N26°30'35.6" - W82°04'57.7"

James Ink, P.E.
Florida Reg. No. 44706
6/7/16
DATE
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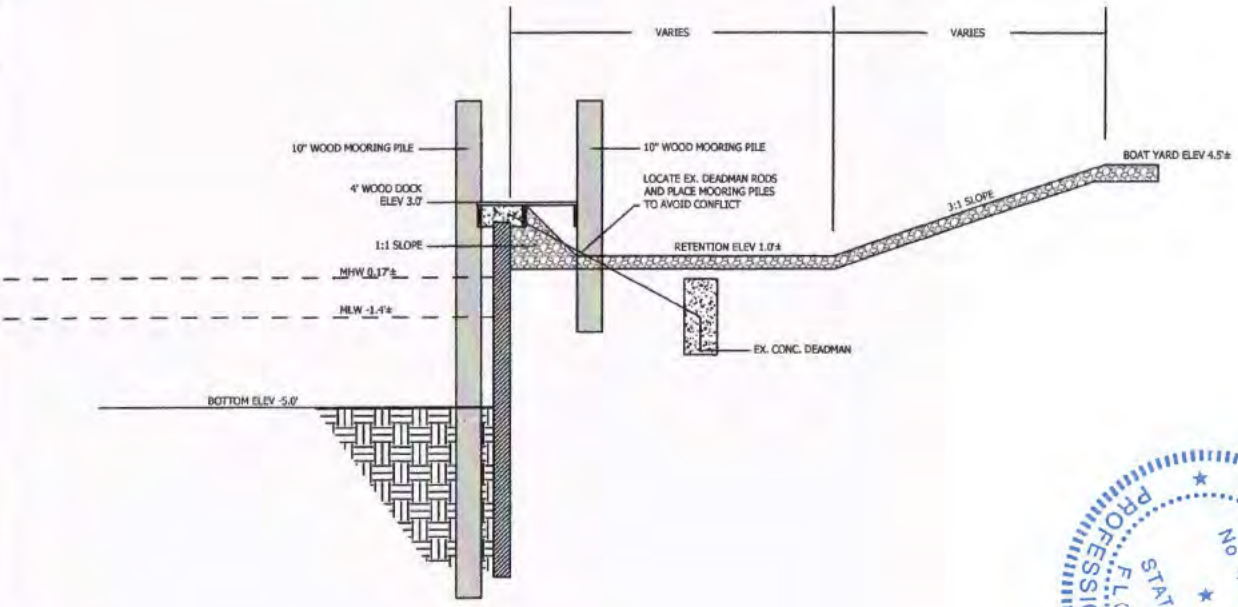
SECTION (4)	JOB #:	I13012
BOB AND ANNIES BOATYARD	DATE:	2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET:	12 of 14



SECTION F-F

SCALE 1"=6'

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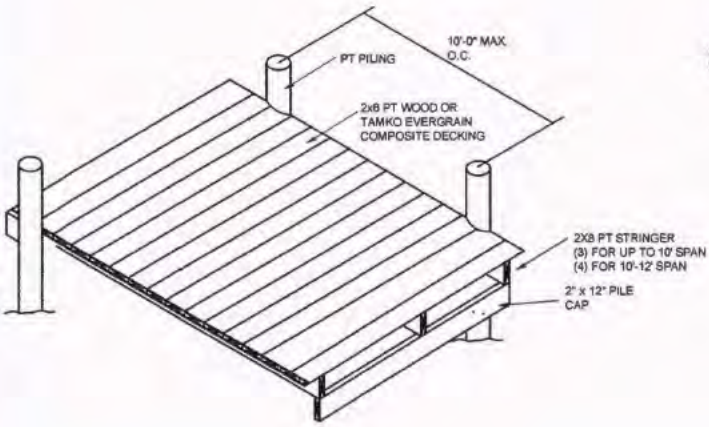
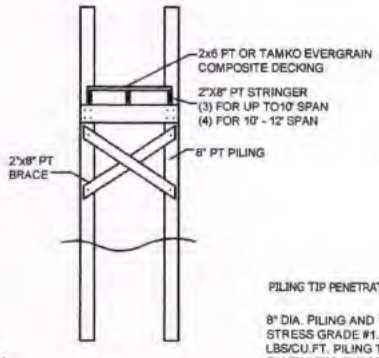
SECTION (5)	JOB #: I13012
BOB AND ANNIES BOATYARD	DATE: 2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET: 13 of 14





PILING TIP PENETRATION TO BE AT LEAST 40% OF TOTAL LENGTH.

8" DIA. PILING AND 16" DIA BOAT LIFT PILING (4), SOUTHERN PINE, STRUCTURAL STRESS GRADE #1. CHROMIUM COPPER ARSONATE TREATED, MINIMUM 2.5 LBS/CU.FT. PILING TO MEET AWPA COMMODITY STANDARDS C18 FOR SALTWATER EXPOSURE SOUTH OF GEORGIA AND THE GULF COAST. PILING TO BE ENCAPSULATED WITH BLACK POLY VINYL WRAP AFFIXED TO PILING WITH 6D STAINLESS STEEL NAILS. WRAP TO BE 1' BELOW MUDLINE OR MLLW TO 1' ABOVE MHWL

2"X8" DECKING TAMKO EVERGRAIN COMPOSITE DECKING. ALL BOARDS SHALL BE DOUBLED SCREWED WITH #8 - 3" STAINLESS STEEL SQUARE SLOT SCREWS PER BOARD STRINGER.
DECK BOARDS ARE TO BE SPACED AT A ¼" GAP AFTER ANY SPECIFICATION SHRINKAGE.

ALL LUMBER SHALL BE TREATED SOUTHERN PINE, STRUCTURAL STRESS GRADE #1 MEETING AWPA COMMODITY STANDARDS C18. ALL LUMBER, EXCEPT DECKING SHALL BE ROUGH SAWN TO NOMINAL SIZES.

PILE CAPS SHALL BE 2X10 AND WILL BE THRU-BOLTED TO ALL PILES. 2X8 STRINGERS SHALL BE STROM STRAPPED TO PILE CAPS, UNLESS BOLTED TO PROXIMATE PILING. MIN. OVERLAP OF SCABS SHALL BE NOT LESS THAN 2" EACH STRINGER. ALL STRINGERS AND PILE CAPS SHALL BE CCA TREATED, 0.6 LBS/CU.FT. MINIMUM RETENTION.

NAILS SHALL BE RING SHANKED STAINLESS STEEL. ALL STRAPS SHALL BE HOT-DIPPED GALVANIZED. ALL EXTERIOR BOLTS SHALL BE GALVANIZED 5/8" DIA. AND COUNTERSUNK , ALL WASHERS SHALL BEAR EVENLY ON ALL SURFACES.

ALL CROSS-BRACING SHALL BE SINGLE BOLTED AT THE TOP AND LAG BOLTED AT THE BOTTOM. ALL BOLT HOLES SHALL BE NOT LESS THAN 3" FROM ANY BOARD END.

SECTION 35
TOWNSHIP: 45S
RANGE: 22E
N26°30'35.0" - W82°04'57.7"

CONSTRUCTION METHODS
PILING SHALL BE DRIVEN OR THE INSTALLATION OF SILT CONTROL BARRIERS IS REQUIRED TO REDUCE TURBIDITY. CONTRACTOR IS RESPONSIBLE FOR USING THE BEST MANAGEMENT PRACTICES TO REDUCE TURBIDITY TO A MINIMUM. WORK IS TO BE PERFORMED VIA BARGE. MATERIALS TO BE BARGED TO SITE.

CONTRACTOR SHALL ADHERE TO PUBLISHED GUIDELINES AND RECOMMENDATIONS BY LOCAL, STATE OR FEDERAL AGENCIES FOR CONSTRUCTION WITHIN MANATEE AND SOUTHERN SAWFISH HABITAT.

NOT TO SCALE

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DOCK DETAILS	JOB #: I13012
BOB AND ANNIES BOATYARD	DATE: 2.2016
3420 STRINGFELLOW RD, ST JAMES CITY, FL 33956	SHEET: 14 OF 14