

For: Tocol Engineering

Scale 1" = 20'

Field Work Completed: May 5, 2014
Amended November 12, 2014



Atlantic Ocean

37

SJ-1186 AR

RECEIVED

NOV 19 2014

DIVISION OF WATER -
RESOURCE MANAGEMENT

Not valid without the signature and
the original raised seal of a Florida
licensed surveyor and mapper.

Harold T. Eiland
License No. LS 2518

Elland & Associates, Inc.
Professional Surveyors & Mappers
Certificate of Authorization No. LB 1381
615 Blanding Boulevard
Orange Park, Florida 32065
Telephone 904-272-1000

FF No. 41:206 Field Book PVI:28

Job No. 37840-B

Atlantic

Ocean

Atlantic

MEAN HIGH WATER LINE
Elev. 1.75, NAVD 1988

MEAN HIGH WATER LINE 11-05-14
Elev. 1.75, NAVD 1988

State Road No. A-1-A

South Ponte Vedra Boulevard

State Road No. A-1-A

NGS BENCH MARK
DRY RM 2
Elev. = 16.98, NAVD 1988

BENCH MARK
PK nail in Bike Path
Elev. = 14.93

BENCH MARK
PK nail in Bike Path
Elev. = 14.81

BENCH MARK
PK nail in Bike Path
Elev. = 14.60

BENCH MARK
PK nail in Bike Path
Elev. = 15.40

SJ-1186AR

RECEIVED

NOV 19 2014

DIVISION OF WATER
RESOURCE MANAGEMENT

Not valid without the signature and
the original raised seal of a Florida
licensed surveyor and mapper.

Harold T. Eiland
License No. LS 2518

Eiland & Associates, Inc.
Professional Surveyors & Mappers
Certificate of Authorization No. LB 1381
615 Blanding Boulevard
Orange Park, Florida 32065
Telephone 904-272-1000



Elevations shown hereafter are based on U.S. Coast and Geodetic Survey data and originated from NG55 Bench Mark 'Dry' RH 2. Elevation = 16.98, NAVD 1988

BENCH MARK
PK nail in Bike Path
Elev. = 17.35

BENCH MARK
PK nail in Bike Path
Elev. = 17.05

BENCH MARK
PK nail in Bike Path
Elev. = 16.35

RECEIVED
NOV 19 2014
DIVISION OF WATER
RESOURCE MANAGEMENT

SJ-1186 AR

Not valid without the signature and the original raised seal of a Florida licensed surveyor and mapper.

Harold T. Eiland
Harold T. Eiland
License No. LS 2518

Eiland & Associates, Inc.
Professional Surveyors & Mappers
Certificate of Authorization No. LB 1381
615 Blanding Boulevard
Orange Park, Florida 32065
Telephone 904-272-1000

Atlantic Ocean



LOT 9

LOT 10

LOT 11

LOT 12

LOT 13

Coastal Construction Control Line
S 12°28'57" E 1044.28' R-40 to R-41

State Road No. A-1-A

South Ponte Vedra Boulevard

MEAN HIGH WATER LINE
Elev. 1.75, NAVD 1988

SJ-1186AR

RECEIVED

NOV 19 2014

DIVISION OF WATER
RESOURCE MANAGEMENT

Not valid without the signature and
the original raised seal of a Florida
licensed surveyor and mapper.

Harold T. Elland

Harold T. Elland
License No. LS 2512

Elland & Associates, Inc.
Professional Surveyors & Mappers
Certificate of Authorization No. LB 1381
615 Blanding Boulevard
Orange Park, Florida 32065
Telephone 904-272-1000

SOUTH PONTE VEDRA BEACH HOME PROTECTION

FOR

HARRIS/JONES/DONOVAN RESIDENCES

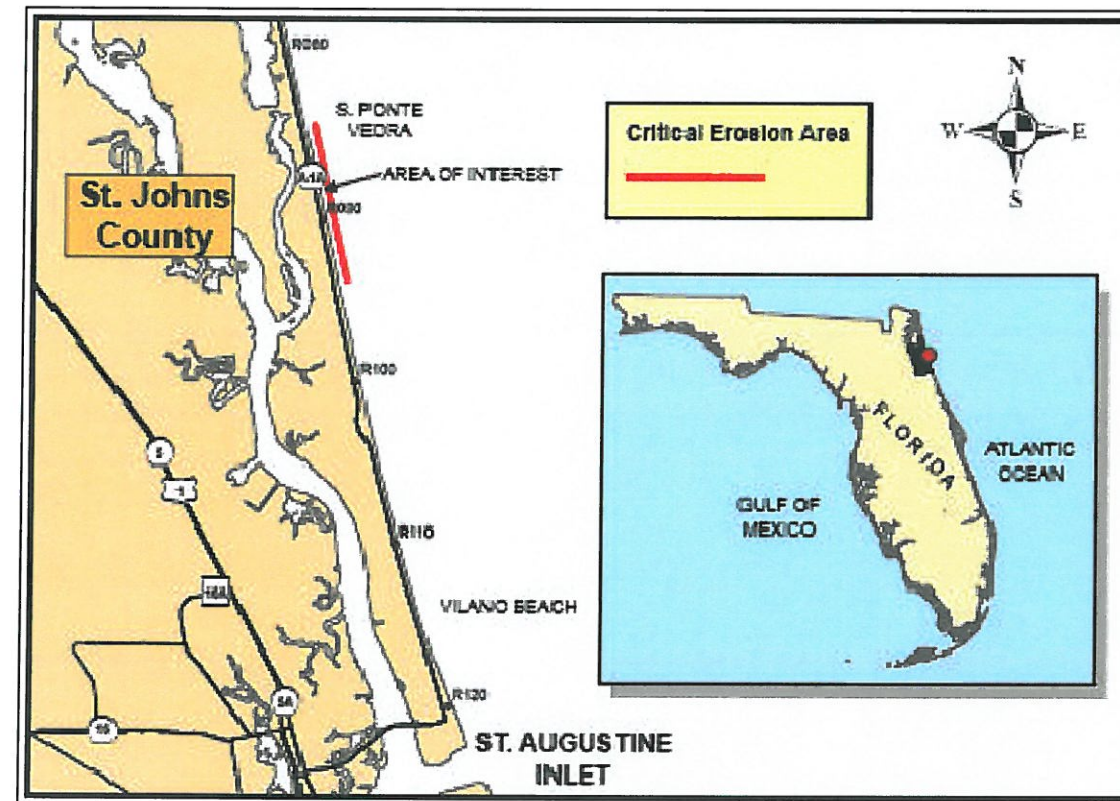
ST. JOHNS COUNTY, FL

PROJECT OWNER AND CONSULTANTS

OWNER: SPVB Residences

ENGINEER: Tocol Engineering, LLC
1734 Kingsley Ave
Orange Park, FL 32073
TEL: (904) 215-1388

SURVEYOR: Eiland & Associates, Inc.
Professional Surveyors & Mappers
Certificate of Authorization No. LB 1381
615 Blanding Blvd
Orange Park, FL 32065
TEL: (904) 272-1000



LOCATION MAP

INDEX OF DRAWINGS

F1	COVER SHEET
C1	OVERALL SITE PLAN
C20	SITE PLAN - HARRIS RESIDENCE
C21	PROFILE - HARRIS RESIDENCE
C22	SITE PLAN - JONES RESIDENCE
C23	PROFILE - JONES RESIDENCE
C24	SITE PLAN - DONOVAN RESIDENCE
C25	PROFILE - DONOVAN RESIDENCE
C34	TYPICAL SEAWALL DETAILS

RECEIVED

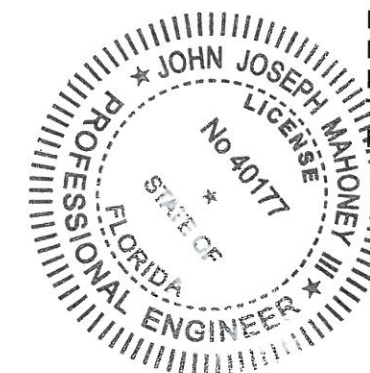
November 20, 2014
DIVISION OF WATER
RESOURCE MANAGEMENT

SJ-1186 AR



CALL BEFORE YOU DIG
800-432-4770 AND
904-269-6359

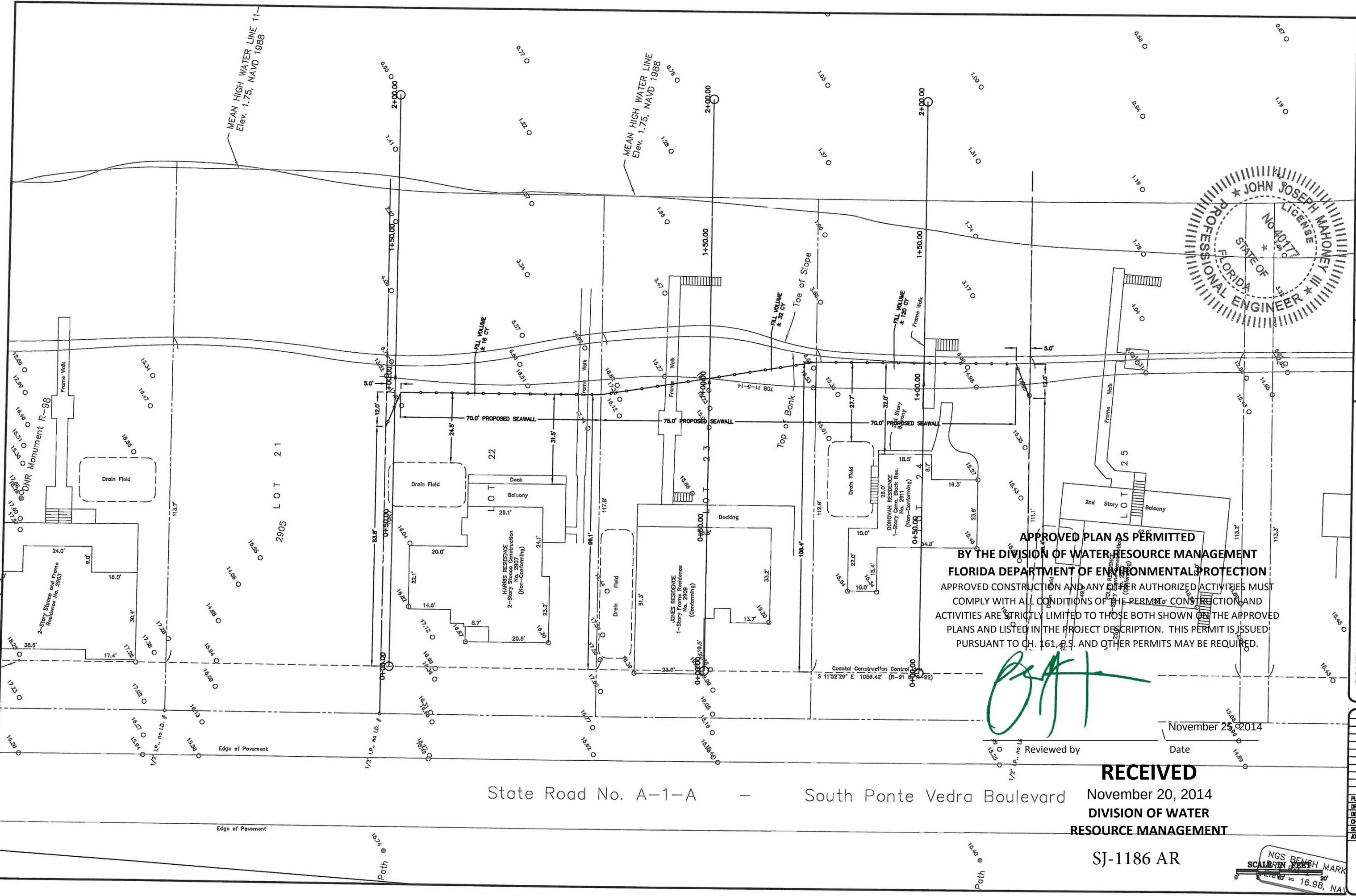
π **TOCOI ENGINEERING, LLC.**
CIVIL ENGINEERS
1734 KINGSLEY AVE. * ORANGE PARK, FL 32073
PH: 904-215-1388 FX: 904-215-8327
E.B. NUMBER: 26383



DATE PREPARED: 07-22-14
DATE SUBMITTED: 07-22-14
DATE PLOTTED:
TE JOB NO: 14-0186
DEP NO: -

John Mahoney 11/20/14
JOHN MAHONEY, P.E.
FLA. REGISTERED ENGINEER, #40177

Date: 11/19/14 Time: 6:54 PM DWG Name: F:\TDC\Viano Beach Erosion\Survey\Bose 11121.dwg Layout: ---



APPROVED PLAN AS PERMITTED
BY THE DIVISION OF WATER RESOURCE MANAGEMENT
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPROVED CONSTRUCTION AND ANY OTHER AUTHORIZED ACTIVITIES MUST
COMPLY WITH ALL CONDITIONS OF THE PERMIT. CONSTRUCTION AND
ACTIVITIES ARE STRICTLY LIMITED TO THOSE BOTH SHOWN ON THE APPROVED
PLANS AND LISTED IN THE PROJECT DESCRIPTION. THIS PERMIT IS ISSUED
PURSUANT TO CH. 161, F.S. AND OTHER PERMITS MAY BE REQUIRED.

State Road No. A-1-A — South Ponte Vedra Boulevard

RECEIVED
November 20, 2014
DIVISION OF WATER
RESOURCE MANAGEMENT

SJ-1186 AR

NGS BENCH MARK
SCALARIN KEY
Elev. = 16.98, NAVD 83

TOCOI ENGINEERING, LLC.
CIVIL ENGINEERS
1734 KINGSLEY AVE * ORANGE PARK, FL 32073
PH: 904-215-1388
E.B. NUMBER: 26383

DESIGN ENGINEER
JOHN J. MAHONEY
11/20/14
FLORIDA REGISTRATION NUMBER
40177

PROFESSIONAL ENGINEER
STATE OF FLORIDA
JOHN JOSEPH MAHONEY
LICENSE NO. 40177

SOUTH PONTE VEDRA BEACH HOME PROTECTION
FOR
SOUTH PONTE VEDRA BEACH RESIDENCES
OVERALL SITE PLAN

REVISIONS	

PLOT DATE: 11/19/2014
DRAWN BY: FUDW
DESIGNED BY: JMM
CHECKED BY: JMM
SCALE:
JOB NO.:

SHEET NO.
C1

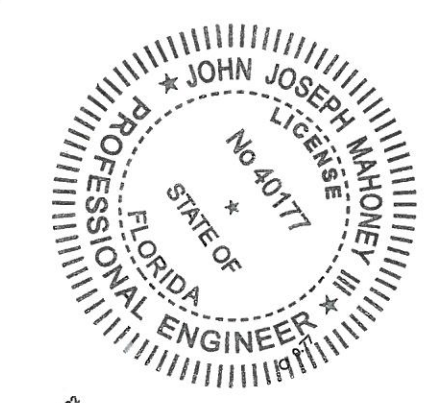
Date: 11/19/14 Time: 6:54 PM DWG Name: F:\TODCO\Planos Beach Erosion\Survey\Bess 111214.dwg Layout: ---



**APPROVED PLAN AS PERMITTED
BY THE DIVISION OF WATER RESOURCE MANAGEMENT
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**
APPROVED CONSTRUCTION AND ANY OTHER AUTHORIZED ACTIVITIES MUST
COMPLY WITH ALL CONDITIONS OF THE PERMIT. CONSTRUCTION AND
ACTIVITIES ARE STRICTLY LIMITED TO THOSE BOTH SHOWN ON THE APPROVED
PLANS AND LISTED IN THE PROJECT DESCRIPTION. THIS PERMIT IS ISSUED
PURSUANT TO CH. 161, F.S. AND OTHER PERMITS MAY BE REQUIRED.

[Signature]

Reviewed by _____ Date November 25, 2014



RECEIVED
November 20, 2014
DIVISION OF WATER
RESOURCE MANAGEMENT

MEAN HIGH WATER LINE
Elev. 1.75, NAVD 1988

SJ-1186 AR

SCALE IN FEET
0 5 10 20

TOCO ENGINEERING, LLC.
CIVIL ENGINEERS
1734 KINGSLEY AVE * ORANGE PARK, FL 32073
PH: 904-215-1388
E.B. NUMBER: 26363

DESIGN ENGINEER
JOHN J. MAHONEY, II
11/20/14
FLORIDA REGISTRATION NUMBER:
40177

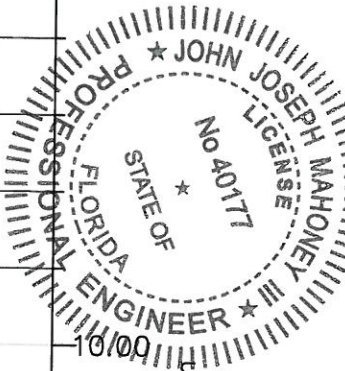
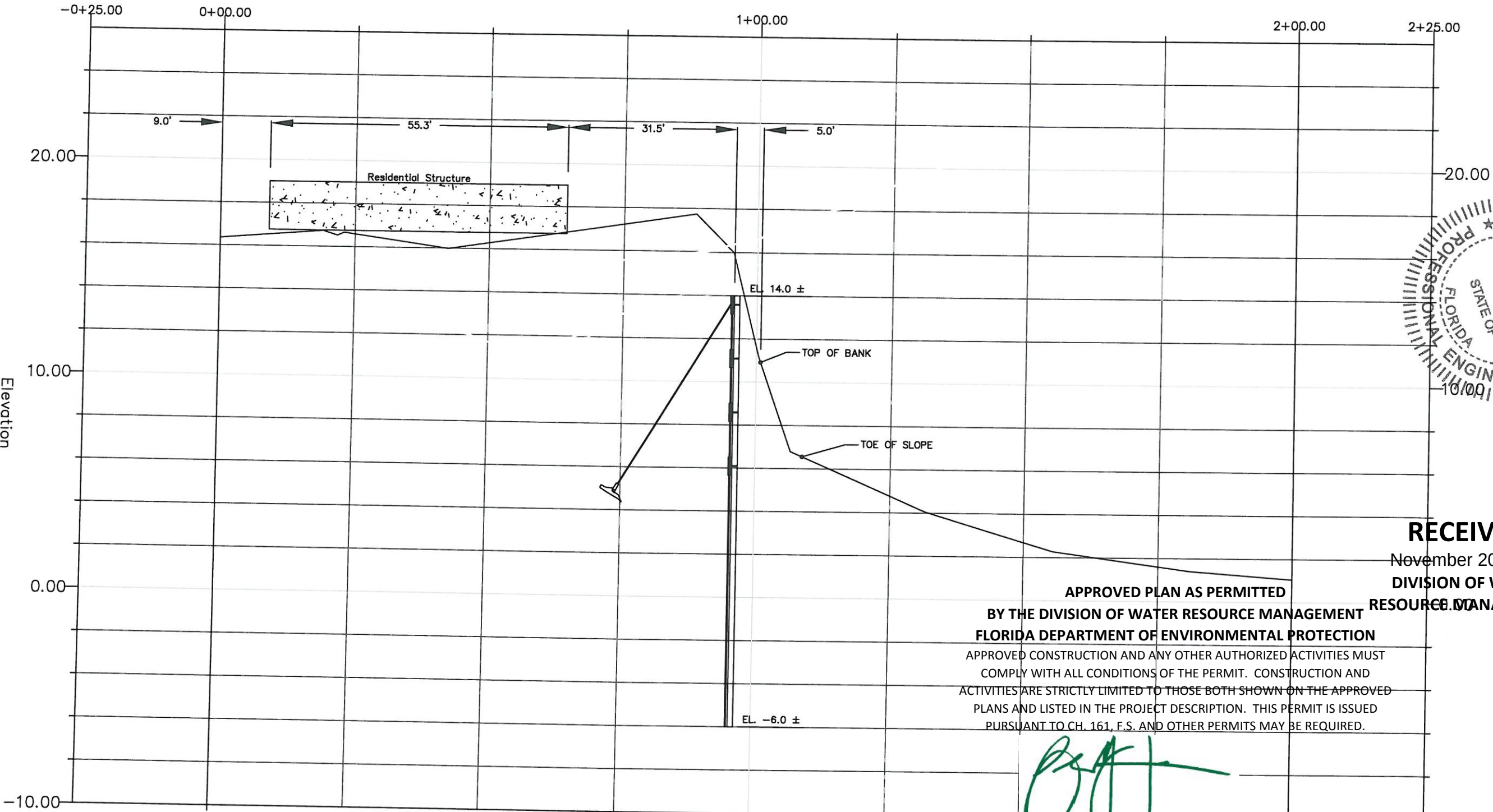
SOUTH PONTE VEDRA BEACH HOME PROTECTION
FOR
SOUTH PONTE VEDRA BEACH RESIDENCES
No. 2907 ~ HARRIS RESIDENCE (plan)

REVISIONS

PLOT DATE: 11/19/2014
DRAWN BY: JMM
DESIGNED BY: JMM
CHECKED BY: JMM
SCALE:
JOB NO.: 11

SHEET NO.
C20

Profile View of No. 2907 - Harris



APPROVED PLAN AS PERMITTED
BY THE DIVISION OF WATER RESOURCE MANAGEMENT
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPROVED CONSTRUCTION AND ANY OTHER AUTHORIZED ACTIVITIES MUST
COMPLY WITH ALL CONDITIONS OF THE PERMIT. CONSTRUCTION AND
ACTIVITIES ARE STRICTLY LIMITED TO THOSE BOTH SHOWN ON THE APPROVED
PLANS AND LISTED IN THE PROJECT DESCRIPTION. THIS PERMIT IS ISSUED
PURSUANT TO CH. 161, F.S. AND OTHER PERMITS MAY BE REQUIRED.

RECEIVED
November 20, 2014
DIVISION OF WATER
RESOURCE MANAGEMENT

[Signature]

Reviewed by _____ Date November 25, 2014

16.35	16.35	16.59	16.59	16.27	16.27	17.22	17.22	11.59	11.59	4.77	4.77	2.68	2.68	1.60	1.60	1.06	1.06
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------

SJ-1186 AR

TOCOI ENGINEERING, LLC.
CIVIL ENGINEERS
1734 KINGSLEY AVE * ORANGE PARK, FL 32073
PH: 904-215-1388
E.B. NUMBER: 26983

JOHN J. MAHONEY, II
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE NO. 40177
FLORIDA REGISTRATION NUMBER: 40177

SOUTH PONTE VEDRA BEACH HOME PROTECTION
FOR
SOUTH PONTE VEDRA BEACH RESIDENCES
No. 2907 ~ HARRIS RESIDENCE (profile)

REVISIONS

PLOT DATE: 11/19/2014
DRAWN BY: JMM
DESIGNED BY: JMM
CHECKED BY: JMM
SCALE:
JOB NO.: 1

SHEET NO.
C21

DESIGN ENGINEER
JOHN J. MAHONEY, II
11/20/14
FLORIDA REGISTRATION NUMBER:
40177

REVISIONS	
PLOT DATE:	11/19/2014
DRAWN BY:	RUBEN
DESIGNED BY:	JJAM
CHECKED BY:	JJAM
SCALE:	
JOB NO.:	-

SHEET NO.
C22

APPROVED PLAN AS PERMITTED
BY THE DIVISION OF WATER RESOURCE MANAGEMENT
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPROVED CONSTRUCTION AND ANY OTHER AUTHORIZED ACTIVITIES MUST
COMPLY WITH ALL CONDITIONS OF THE PERMIT. CONSTRUCTION AND
ACTIVITIES ARE STRICTLY LIMITED TO THOSE BOTH SHOWN ON THE APPROVED
PLANS AND LISTED IN THE PROJECT DESCRIPTION. THIS PERMIT IS ISSUED
PURSUANT TO CH. 161, F.S. AND OTHER PERMITS MAY BE REQUIRED.

BAH

Reviewed by

November 25, 2014

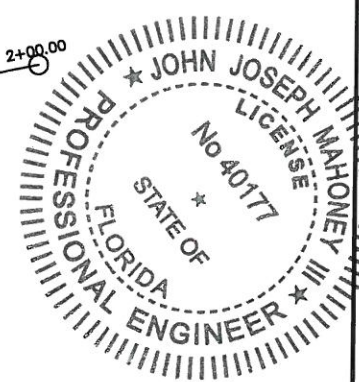
Control
Date 09/01/00

— MEAN HIGH WATER LINE
Elev. 1.75, NAVD 1988

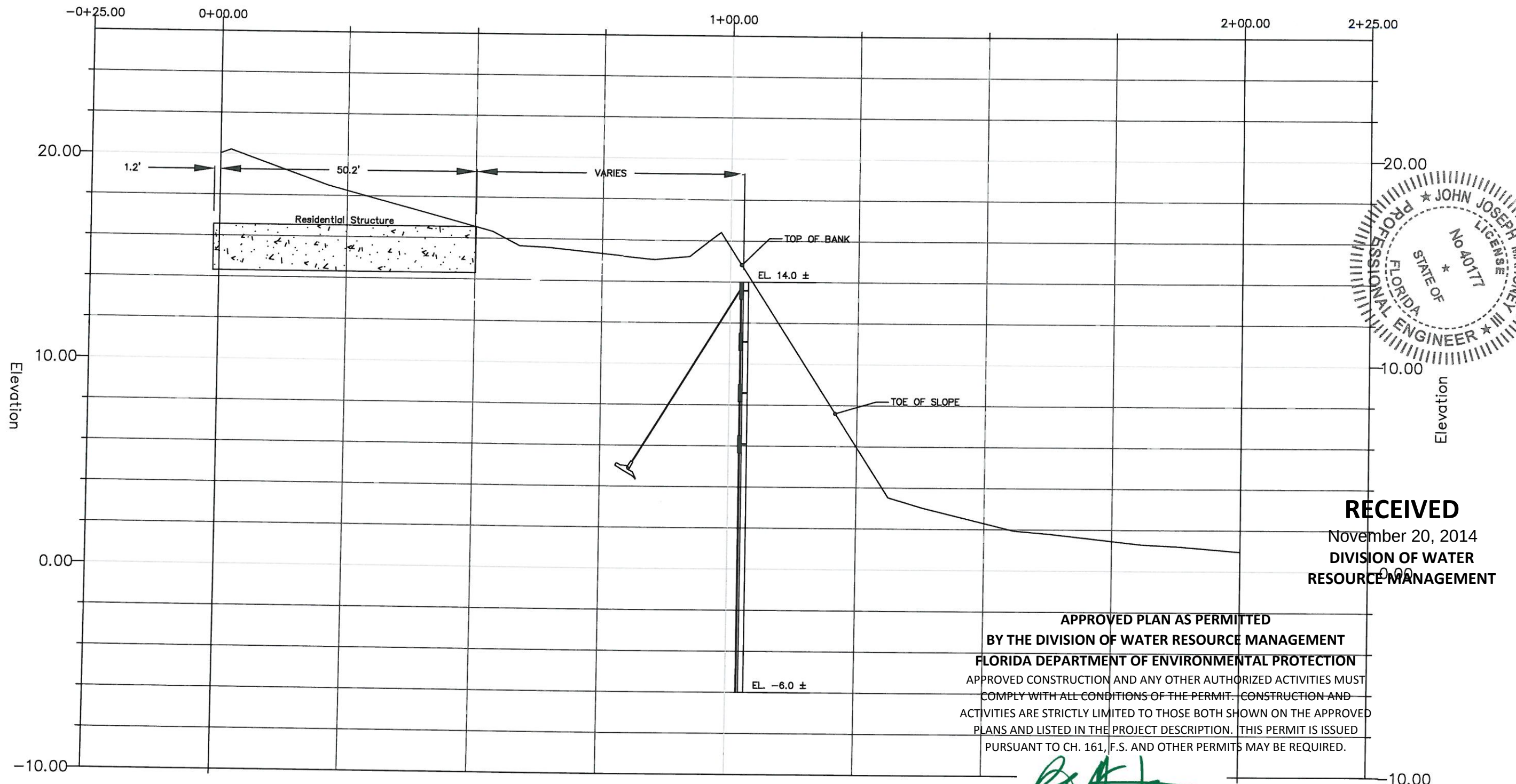
RECEIVED
November 20, 2014
DIVISION OF WATER
RESOURCE MANAGEMENT

SJ-1186 AR

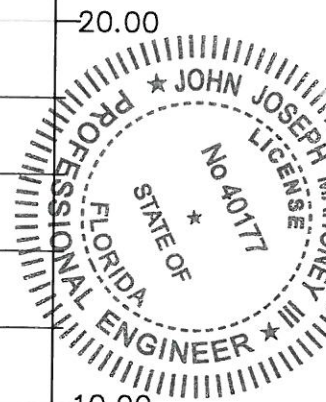
SCALE IN FEET

A horizontal scale bar with a black rectangular body. Above the bar, the text "SCALE IN FEET" is written in bold, uppercase letters. Below the bar, there are four tick marks with labels: "0'" at the left end, "5'" at the first major division, "10'" at the second major division, and "20'" at the right end. The bar is divided into four equal segments of 5 feet each.

Profile View of No. 2909 - Jones



20.01	18.25	16.56	15.32	15.67	5.95	2.29	0.30
20.01	18.25	16.56	15.32	15.67	5.95	2.29	0.30



TOCOI ENGINEERING, LLC.
CIVIL ENGINEERS
1734 KINGSLEY AVE * ORANGE PARK, FL 32073
PH: 904-215-1388
E.B. NUMBER: 26383

RECEIVED
November 20, 2014
DIVISION OF WATER
RESOURCE MANAGEMENT

APPROVED PLAN AS PERMITTED
BY THE DIVISION OF WATER RESOURCE MANAGEMENT
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPROVED CONSTRUCTION AND ANY OTHER AUTHORIZED ACTIVITIES MUST COMPLY WITH ALL CONDITIONS OF THE PERMIT. CONSTRUCTION AND ACTIVITIES ARE STRICTLY LIMITED TO THOSE BOTH SHOWN ON THE APPROVED PLANS AND LISTED IN THE PROJECT DESCRIPTION. THIS PERMIT IS ISSUED PURSUANT TO CH. 161, F.S. AND OTHER PERMITS MAY BE REQUIRED.

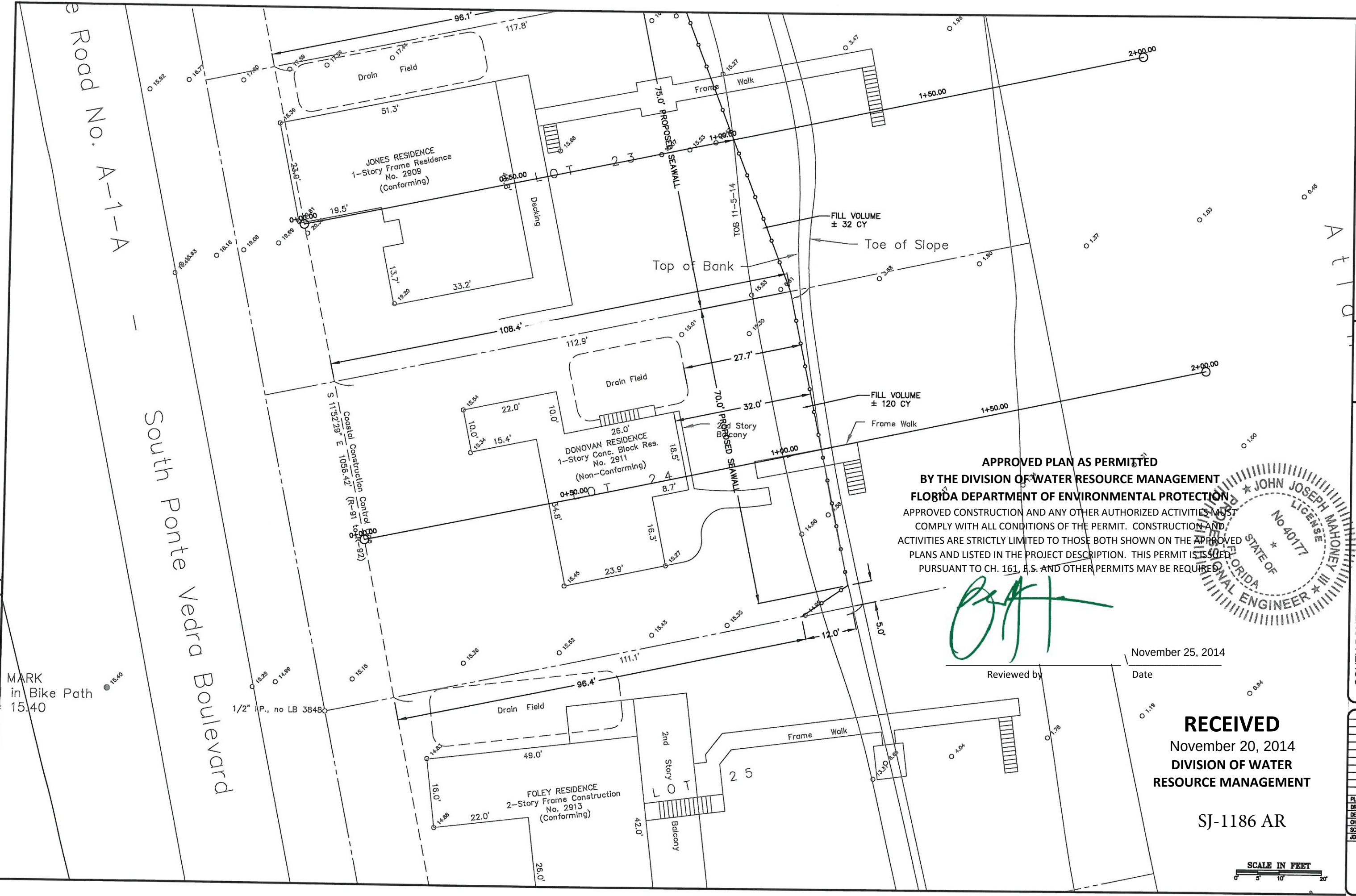
REVISIONS

1	NOV 25 2014	0.30
---	-------------	------

DATE: 11/19/2014
DRAWN BY: RJM
DESIGNED BY: JAM
CHECKED BY: JAM
SCALE:
JOB NO.:

SHEET NO.:
C23

Date: 11/19/14 Time: 6:55 PM DWG Name: F:\TDCO\Vlano Beach Erosion\Survey\Bose 111214.dwg Layout: ---



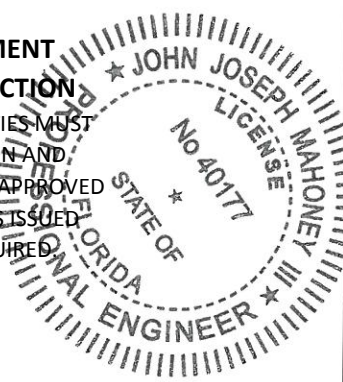
**APPROVED PLAN AS PERMITTED
BY THE DIVISION OF WATER RESOURCE MANAGEMENT
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**
APPROVED CONSTRUCTION AND ANY OTHER AUTHORIZED ACTIVITIES MUST
COMPLY WITH ALL CONDITIONS OF THE PERMIT. CONSTRUCTION AND
ACTIVITIES ARE STRICTLY LIMITED TO THOSE BOTH SHOWN ON THE APPROVED
PLANS AND LISTED IN THE PROJECT DESCRIPTION. THIS PERMIT IS ISSUED
PURSUANT TO CH. 161, F.S. AND OTHER PERMITS MAY BE REQUIRED.

[Signature]
Reviewed by

November 25, 2014
Date

RECEIVED
November 20, 2014
DIVISION OF WATER
RESOURCE MANAGEMENT

SJ-1186 AR



TOCOI ENGINEERING, LLC.
CIVIL ENGINEERS
1734 KINGSLEY AVE * ORANGE PARK, FL 32073
PH: 904-215-1388
E.B. NUMBER: 26383

DESIGN ENGINEER
JOHN J. MAHONEY, III
11/20/14
FLORIDA REGISTRATION NUMBER:
40177

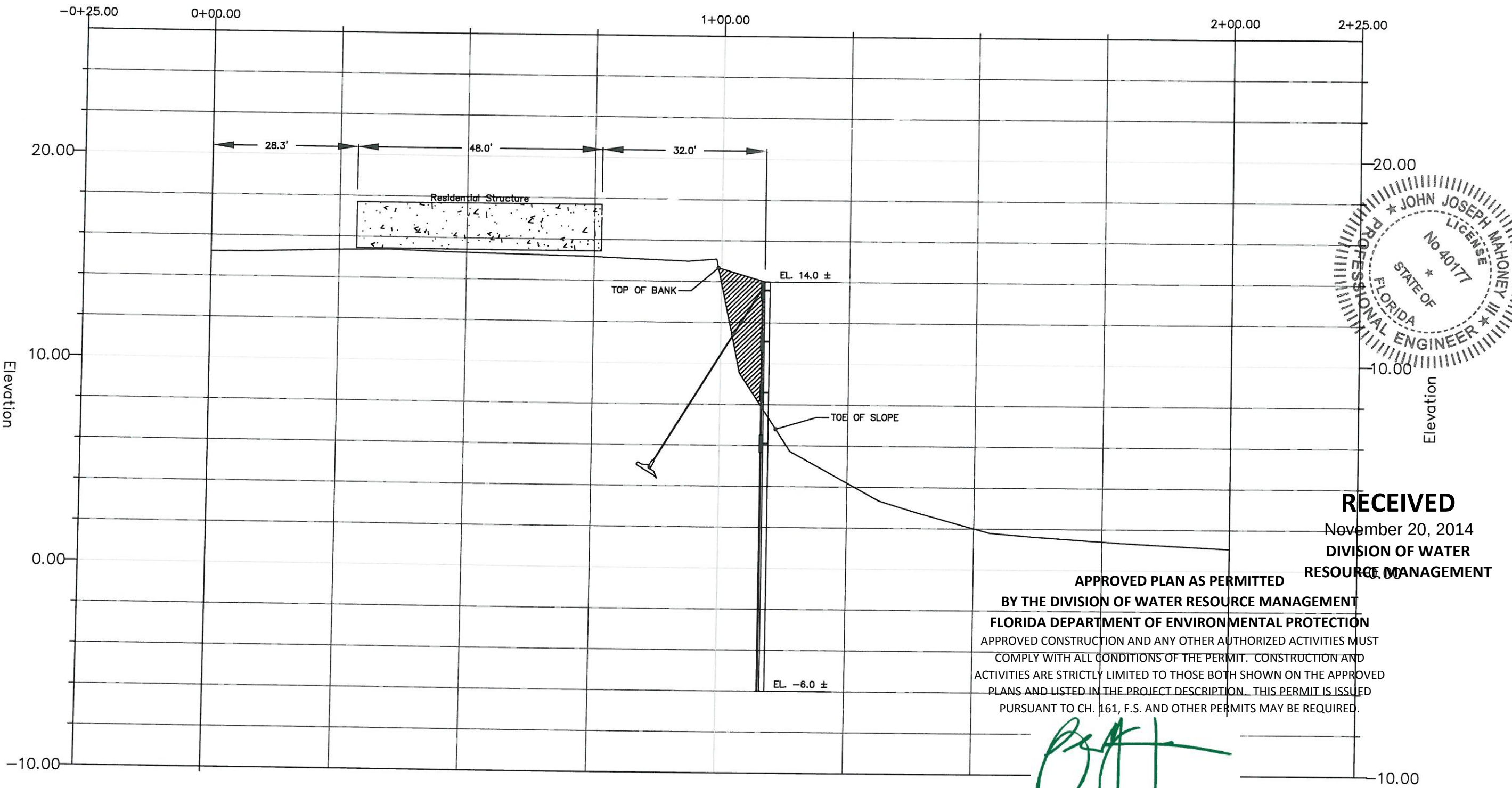
SOUTH PONTE VEDRA BEACH HOME PROTECTION
FOR
SOUTH PONTE VEDRA BEACH RESIDENCES
No. 2911 ~ DONOVAN RESIDENCE (plan)

REVISIONS	

PLOT DATE: 11/19/2014
DRAWN BY: JMM
DESIGNED BY: JMM
CHECKED BY: JMM
SCALE:
JOB NO.: 1

SHEET NO.
C24

Profile View of No. 2911 - Donovan



15.19	15.19	15.35	15.35	15.29	15.29	15.15	15.15	13.91	13.91	4.18	4.18	2.00	2.00	1.40	1.40	1.07	1.07
Reviewed by														Date			

SJ-1186 AR

TOCOI ENGINEERING, LLC.
CIVIL ENGINEERS
1734 KINGSLEY AVE * ORANGE PARK, FL 32073
PH: 904-215-1388
E.B. NUMBER: 28383

DESIGN ENGINEER
JOHN J. MAHONEY, II
11/20/14
FLORIDA REGISTRATION NUMBER: 40177

SOUTH PONTE VEDRA BEACH HOME PROTECTION
FOR
SOUTH PONTE VEDRA BEACH RESIDENCES
No. 2911 ~ DANCIGER RESIDENCE (profile)

REVISIONS

PLOT DATE: 11/19/2014
DRAWN BY: JMM
DESIGNED BY: JMM
CHECKED BY: JMM
SCALE:
JOB NO.: 1

SHEET NO.
C25

A circular professional engineer seal for John Joseph Mahoney. The outer ring contains the text "JOHN JOSEPH MAHONEY" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the text "LICENSE" at the top, "No 40177" in the center, and "STATE OF FLORIDA" at the bottom, also separated by two stars. The seal is surrounded by a decorative border of short, parallel lines.

Date _____

SCALE IN FEET



A horizontal scale bar with a black outline and a light gray fill. It is labeled "SCALE IN FEET" in bold black text above the bar. The bar has tick marks at 0, 2.5, 5, and 10 feet, with the numbers written below the bar.

DESIGN ENGINEER
JOHN J. MAHONEY
FLORIDA REGISTRATION NUMBER
40177
1215
11/20/14
SEAL

PLOT DATE:	
DRAWN BY:	RDV
DESIGNED BY:	JJM
CHECKED BY:	JJM
SCALE:	N.T.S.
JOB NO.:	0060

SHEET NO.
C32

