

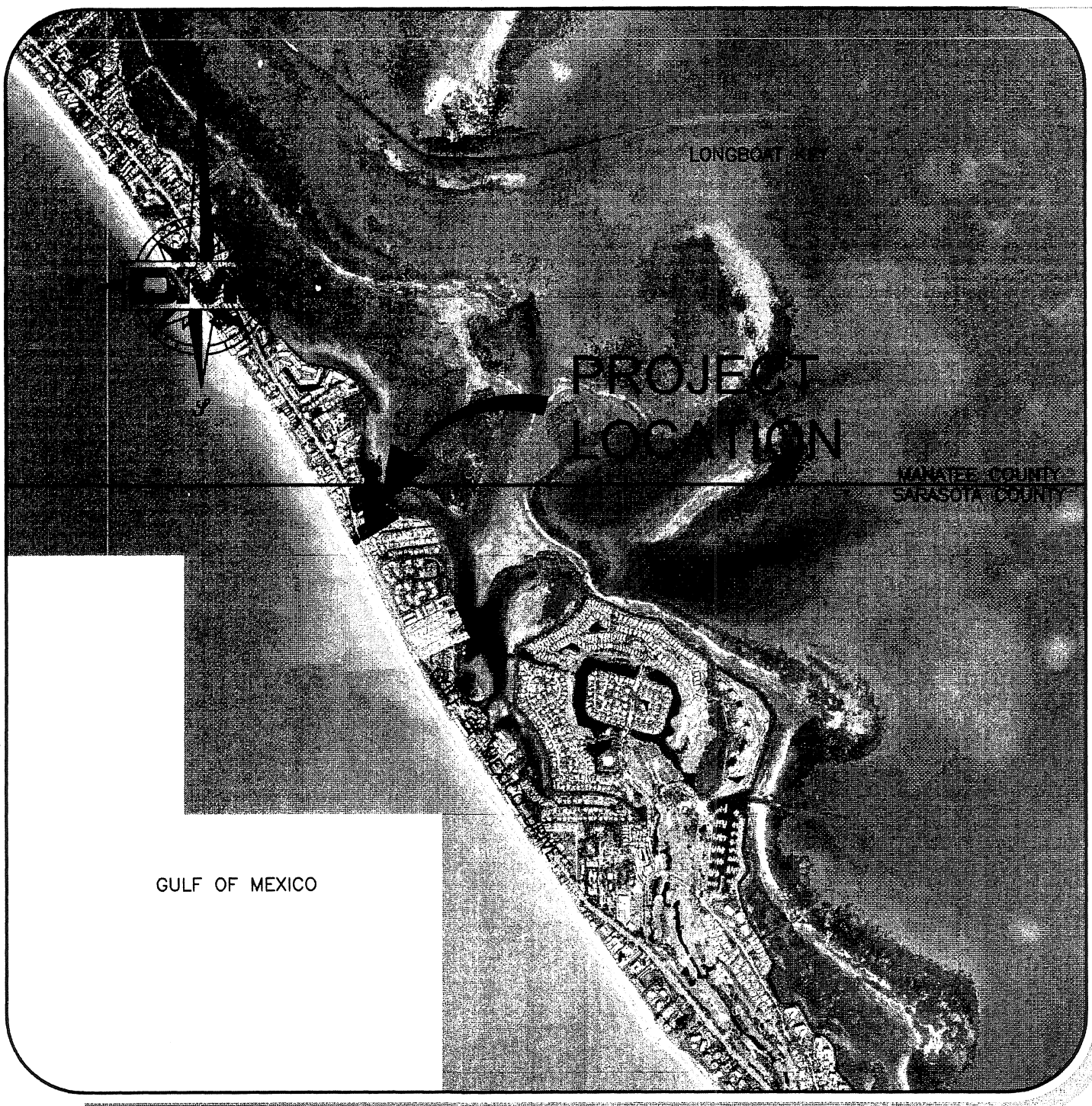
SITE INFORMATION AND CALCULATIONS

1. SITE AREA	372873.60 S.F.	8.56 ACRE
TOWN OF LONGBOAT KEY	219106.80 S.F.	5.03 ACRE
SARASOTA COUNTY	153766.80 S.F.	3.53 ACRE
2. SITE PROPERTY ID: 0002040011, 0002050008, 0002050009, 0002050012		

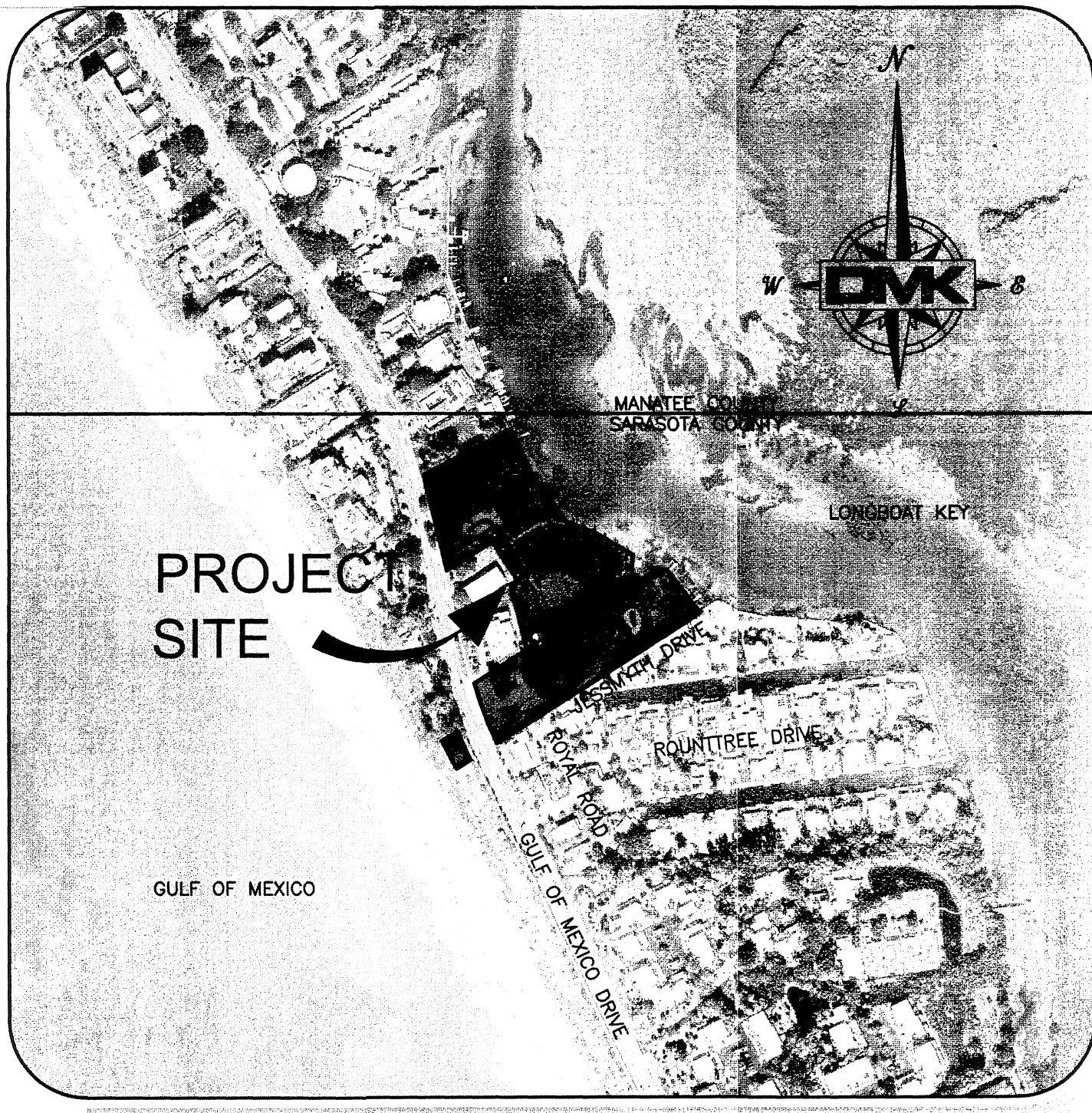
2. PARKING CALCULATIONS					
DESCRIPTION	REQUIREMENT	PROPOSED COUNT	UNITS	PARKING REQUIRED	PROVIDED
CITY OF LONGBOAT KEYS	10'x20'				
GENERAL USES, INCLUDING PARKS & OTHER OPEN RECREATIONAL SPACE	1 PER 3 PATRONS				
	1 PER EMPLOYEE ON LARGEST SHIFT				
RECREATION CENTER	1 PER 200 S.F.	2065	S.F.	10	10
TENNIS COURT	4 PER EACH COURT	2	COURT	4	4
BASKETBALL COURT	9 PER EACH COURT	1	COURT	9	9
PAVILION	1 PER PICNIC TABLE	6	TABLE	6	6
PICNIC SHELTER	1 PER SHELTER	2	SHELTER	2	2
OPEN SPACE	1 PER ACRE	8.56	ACRES	9	9
ADD'TNL PARKING SPACES					13
TOTAL				40	
HANDICAP	76-100 TOTAL PARKING	4	PARKING	2	7
					60
TOTAL PARKING SPACES PROVIDED					

BAYFRONT PARK & ADDITION
FOR
TOWN OF LONGBOAT KEY
600 GENERAL HARRIS ST
LONGBOAT KEY, FL 34228

PART OF SECTION 6, TOWNSHIP 36S, RANGE 17E
SARASOTA COUNTY, FLORIDA



LOCATION MAP
N.T.S.



SITE MAP
N.T.S.

SARASOTA COUNTY, FLORIDA
4052 GULF OF MEXICO DR
LONGBOAT KEY, FLORIDA, 34228

PID # 0002040011, 0002050001, 0002050008, 0002050009 & 0002050012

OWNERSHIP AND UNIFIED CONTROL

STATEMENT

TOWN OF LONGBOAT KEY
JUAN FLORENSA
600 GENERAL HARRIS ST
LONGBOAT KEY, FL 34228

SURVEY:

DMK ASSOCIATES, Inc.
4315 S. ACCESS RD.
ENGLEWOOD, FLORIDA 34224
PHONE: (941) 475-6596
FAX: (941) 474-5060

APPLICANT:

TOWN OF LONGBOAT KEY
JUAN FLORENSA
PUBLIC WORKS DIRECTOR
600 GENERAL HARRIS ST
LONGBOAT KEY, FL 34228

ENGINEER:

DMK ASSOCIATES, Inc.
421 COMMERCIAL COURT, SUITE C
VENICE, FLORIDA 34292
PHONE: (941) 412-1293
FAX: (941) 412-1043

PROGRESS SET
June 27, 2016

Sheet List Table

Sheet Number	Sheet Title
1	Cover Sheet
2	Abbreviations - Legend - & General Notes
3	Site Aerial Photo
4	Existing Condition
5	Existing Condition
6	Existing Condition
7	Existing Condition
8	Site Improvement Plan
9	Site Improvement Plan
10	Vehicle Turning Template
11	Master Utility Plan
12	Grading & Drainage Plan
13	Grading & Drainage Plan
14	Grading & Drainage Plan
15	Grading & Drainage Plan
16	Pipes & Structures Tables
17	Outfall Structures Details
18	Driveway Sections
19	Pond Sections
20	Parking & General Details
21	Pavement Details
22	Restricted Beach Access Drive Plan & Profile
23	ADA Beach Access Ramp Details
24	ADA Beach Access Ramp Structural Plan & Details
25	Restricted Beach Access Drive Details
26	Best Management Practice Plan
27	Best Management Practice Details
DENOTES NOT INCLUDED WITH THIS SUBMITTAL	

NO.	DATE	DESCRIPTION	BY

STATUS : REVISIONS

PROJECT MANAGER KREG MAHEU FL. CERT. NO. 45766	PROJECT ENGINEER KREG MAHEU FL. CERT. NO. 45766	PROJECT DESIGNER JAIME VIDALES
--	---	-----------------------------------

ENGINEER'S CERTIFICATE OF COMPLIANCE
I HEREBY CERTIFY THAT THE DESIGN OF THIS PROJECT, AS PREPARED UNDER MY PERSONAL DIRECTION AND CONTROL, COMPLIES WITH ALL APPLICABLE STANDARDS INCLUDING THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS", AS APPLICABLE, AS ADOPTED BY THE FLORIDA DEPT. OF TRANSPORTATION PURSUANT TO SUBSECTIONS 335.075(1) AND (4), FLORIDA STATUTES, AND THE SARASOTA COUNTY LAND DEVELOPMENT REGULATIONS.

KREG MAHEU
STATE OF FLORIDA NO. 45766

PROJECT STATUS: -----

DATE June 29, 2016	PROJECT NUMBER 14-0285
-----------------------	---------------------------



DMK ASSOCIATES
ENGINEERS & SURVEYORS
421 Commercial Court, Suite C
Venice, Florida 34292
Ph: (941) 412-1293 Fax: (941) 412-1043
Engineering Business No. 3943



811
KNOW WHAT'S BELOW
ALWAYS CALL 811
BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

UTILITY NOTIFICATION
UTILITY LOCATIONS DEPICTED WITHIN THIS CONSTRUCTION PLAN SET HAVE BEEN COMPILED FROM FIELD SURVEYS AND DOCUMENTS SUPPLIED BY THE VARIOUS UTILITY COMPANIES. THE ENGINEER MAKES NO CLAIM TO THE ACCURACY OF THE UTILITY LOCATIONS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AND IS RESPONSIBLE FOR VERIFYING THE DEPTHS AND FIELD LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ACTUAL UTILITY LOCATIONS AND DEPTHS MAY VARY FROM THOSE DEPICTED WITHIN THIS CONSTRUCTION PLAN SET. PROTECTION OF ALL UTILITIES WITHIN THE AREA OF CONSTRUCTION AND ALL COSTS TO REMEDY DAMAGES TO EXISTING UTILITIES AND DISTURBED AREAS SHALL BE BORNE BY THE CONTRACTOR.

SHEET 1 OF 6
NOT VALID UNLESS ALL SHEET ARE PRESENT, SHEETS 1 THROUGH 6
AS-BUILT SURVEY
PROVIDED BY:

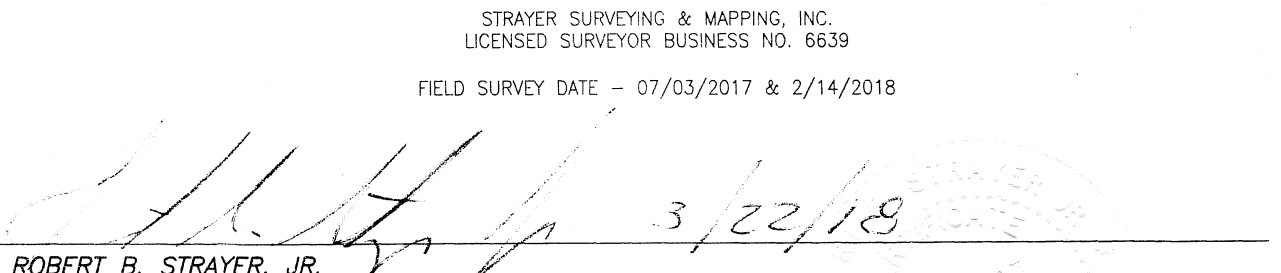


STRAYER
SURVEYING & MAPPING, INC.
www.strayersurveying.com

742 Shomrock Boulevard
Venice, Florida 34293
(941) 496-9488
(941) 624-4900
Fax (941) 497-6186

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE "STANDARDS OF PRACTICE FOR SURVEYS" SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND IS NOT INTENDED TO MEET ANY OTHER MUNICIPAL OR NATIONAL STANDARD OR REQUIREMENT UNLESS NOTED.

I HEREBY CERTIFY THAT THE SURVEY AS-BUILT INFORMATION WAS COLLECTED UNDER MY SUPERVISION AND ARE TO THE BEST OF MY KNOWLEDGE AND BELIEF A TRUE REPRESENTATION OF THE IMPROVEMENTS AS SHOWN.



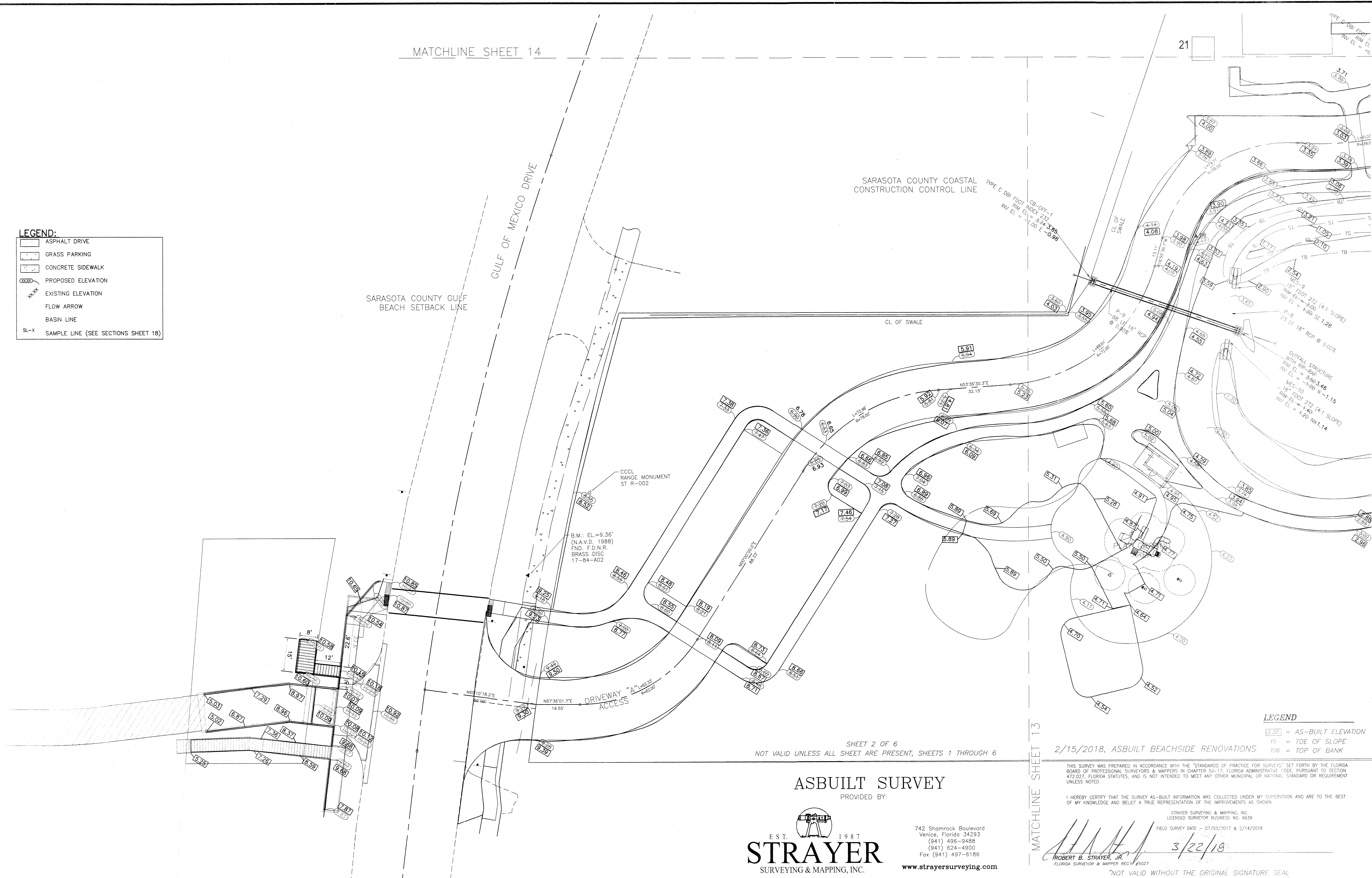
ROBERT B. STRAYER, JR.
FLORIDA SURVEYOR & MAPPER REG. #5027
"NOT VALID WITHOUT THE ORIGINAL SIGNATURE SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
3/22/18

STRAYER SURVEYING & MAPPING, INC.
LICENSED SURVEYOR BUSINESS NO. 6639
FIELD SURVEY DATE - 07/03/2017 & 2/14/2018
COPYRIGHTED MATERIAL © 2018

Sheet: 3/15/2018 3:18 PM PATRICK.M | Printed: 3/22/2018 12:26 PM PATRICK.M | File: \\SERVER-PC\SWARD\DRAWINGS\CURRENT CONSTRUCTION\LONGBOAT BAYFRONT PARK-SWFT\CD ASBUILT.DWG | Layout: 12-Grading & Drainage Plan

LEGEND:

- ASPHALT DRIVE
- GRASS PARKING
- CONCRETE SIDEWALK
- PROPOSED ELEVATION
- EXISTING ELEVATION
- FLOW ARROW
- BASIN LINE
- SL-X SAMPLE LINE (SEE SECTIONS SHEET 18)



SHEET 2 OF 6
NOT VALID UNLESS ALL SHEET ARE PRESENT, SHEETS 1 THROUGH 6

ASBUILT SURVEY
PROVIDED BY:

EST. 1987
STRAYER
SURVEYING & MAPPING, INC.

742 Shamrock Boulevard
Venice, Florida 34293
(941) 496-9488
(941) 624-4900
Fax (941) 497-6186
www.strayersurveying.com

LEGEND

- 3.30 = AS-BUILT ELEVATION
- TS = TOE OF SLOPE
- TOB = TOP OF BANK

2/15/2018, ASBUILT BEACHSIDE RENOVATIONS

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE "STANDARDS OF PRACTICE FOR SURVEYS" SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS IN CHAPTER SJ-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND IS NOT INTENDED TO MEET ANY OTHER MUNICIPAL OR NATIONAL STANDARD OR REQUIREMENT UNLESS NOTED.

I HEREBY CERTIFY THAT THE SURVEY AS-BUILT INFORMATION WAS COLLECTED UNDER MY SUPERVISION AND ARE TO THE BEST OF MY KNOWLEDGE AND BELIEF A TRUE REPRESENTATION OF THE IMPROVEMENTS AS SHOWN.

STRAYER SURVEYING & MAPPING, INC.
LICENSED SURVEYOR BUSINESS NO. 6639

FIELD SURVEY DATE - 07/03/2017 & 2/14/2018

3/22/18

ROBERT B. STRAYER, JR.
FLORIDA SURVEYOR & MAPPER REG. #5007

"NOT VALID WITHOUT THE ORIGINAL SIGNATURE SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."

COPYRIGHTED MATERIAL © 2017

DMK ASSOCIATES
ENGINEERS & SURVEYORS

421 Commercial Court, Suite C
Venice, Florida 34292
Ph: (941) 412-1293 Fax: (941) 412-1043
Engineering Business No. 3943

In accordance with 610-20,001 F.A.C., these preliminary engineering documents are not in final form, however, are being transmitted to receive public agency reviews, comments and suggestions. The documents may subsequently be revised by the Engineer to reflect resolutions or issues prior to final action. Changes, revisions and modifications to the project may prompt additional document submissions for agency approvals.

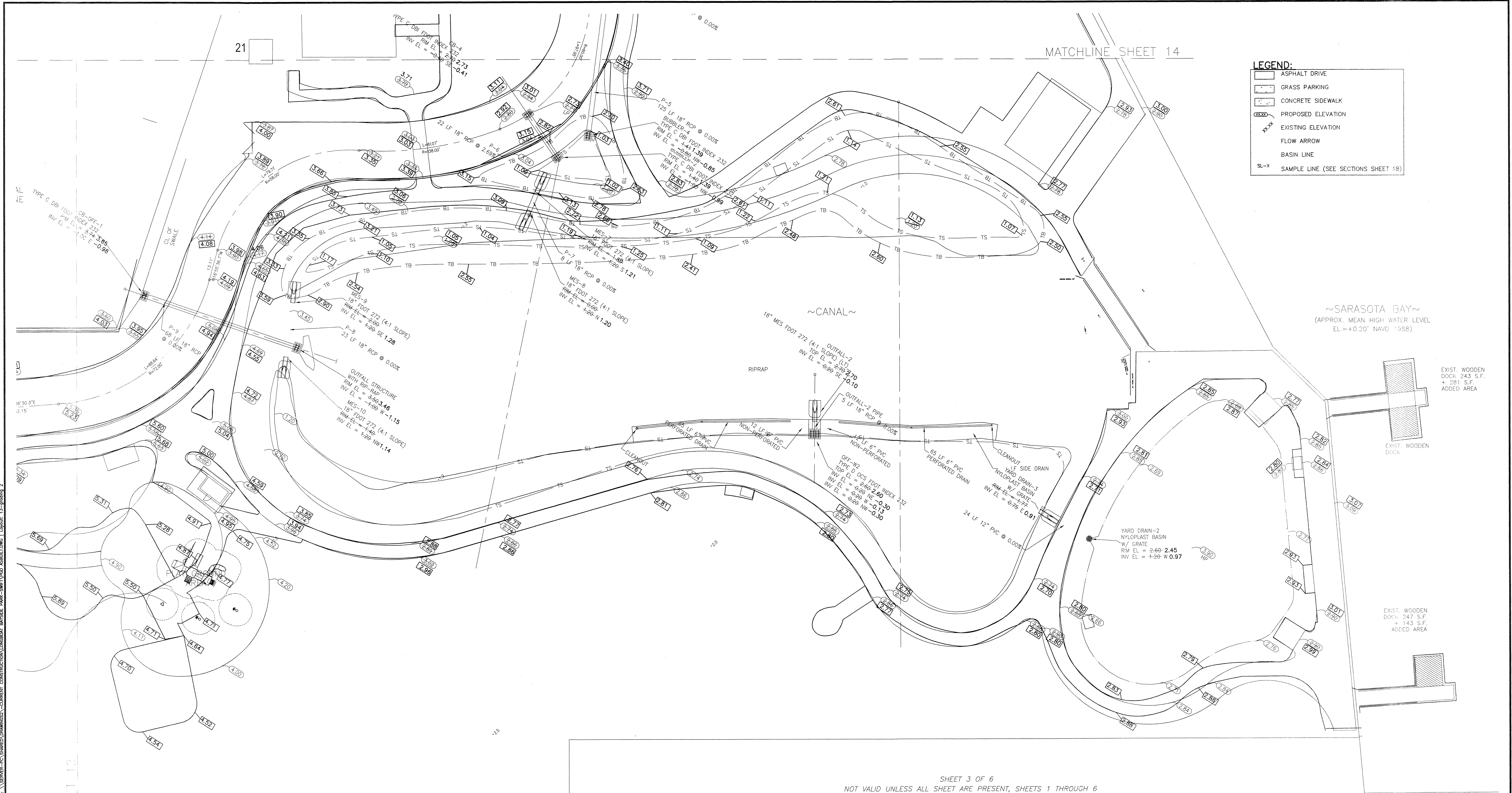
TOWN OF LONGBOAT KEY
BAYFRONT PARK & ADDITION

GRADING & DRAINAGE PLAN

3/22/18
1" = 20'
6 36S 17E

KREG MAHEU
FLA. LIC. NO. 45766
DATE:

14-0285
12 27



- LEGEND:**
- ASPHALT DRIVE
 - GRASS PARKING
 - CONCRETE SIDEWALK
 - PROPOSED ELEVATION
 - EXISTING ELEVATION
 - FLOW ARROW
 - BASIN LINE
 - SAMPLE LINE (SEE SECTIONS SHEET 18)

SHEET 3 OF 6
NOT VALID UNLESS ALL SHEET ARE PRESENT, SHEETS 1 THROUGH 6

JESSMYTH DRIVE
PRIVATE DRIVE

ASBUILT SURVEY
PROVIDED BY:

- LEGEND**
- 3.30 = AS-BUILT ELEVATION
 - TS = TOE OF SLOPE
 - TOB = TOP OF BANK

2/15/2018, ASBUILT BEACHSIDE RENOVATIONS

EST. 1987
STRAYER
SURVEYING & MAPPING, INC.

742 Shamrock Boulevard
Venice, Florida 34293
(941) 496-9488
(941) 624-4900
Fax (941) 497-6186

www.strayersurveying.com

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE "STANDARDS OF PRACTICE FOR SURVEYS" SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND IS NOT INTENDED TO MEET ANY OTHER MUNICIPAL OR NATIONAL STANDARD OR REQUIREMENT UNLESS NOTED.

I HEREBY CERTIFY THAT THE SURVEY AS-BUILT INFORMATION WAS COLLECTED UNDER MY SUPERVISION AND ARE TO THE BEST OF MY KNOWLEDGE AND BELIEF A TRUE REPRESENTATION OF THE IMPROVEMENTS AS SHOWN.

STRAYER SURVEYING & MAPPING, INC.
LICENSED SURVEYOR BUSINESS NO. 6639
FIELD SURVEY DATE: 07/03/2017 & 2/14/2018
ROBERT B. STRAYER, JR.
FLORIDA SURVEYOR & MAPPER REG. #18027

"NOT VALID WITHOUT THE ORIGINAL SIGNATURE SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."

COPYRIGHTED MATERIAL © 2018

Saved: 3/18/2018 5:18 PM PATRICK.M | Project: 3/22/2018 12:27 PM PATRICK.M | File: \\SERVER-PC\SHARED\DRAWINGS\CURRENT CONSTRUCTION\LONGBOAT BAYSIDE PARK-SWIFTY POND ASBUILTS\ Layout: 12-grading 2

PB 8/15
PB 8/15
KM 8/15



DMK ASSOCIATES
ENGINEERS & SURVEYORS
421 Commercial Court, Suite C
Venice, Florida 34292
Ph: (941) 412-1293 Fax: (941) 412-1043
Engineering Business No. 3943

In accordance with 610-35.004, Plans and preliminary engineering documents are not in final form, however, are being transmitted to include public agency review, comment and integration. The documents may, subsequently, be revised by the Engineer to reflect resolution of issues prior to final action. Changes, revisions and amendments to the project may require additional document submissions for agency approval.

TOWN OF LONGBOAT KEY
BAYFRONT PARK & ADDITION

GRADING & DRAINAGE PLAN

3/22/18
1" = 20'
6 365 17E

KREG MAHEU
FLA. LIC. NO.: 45766
DATE:

14-0285
13 27

MATCHLINE SHEET 15

MATCHLINE SHEET 15

GULF OF MEXICO DRIVE

B.M. EL=7.00'
(N.A. I.D. 1938)
FIND. MAG. NAIL
& DISC
L.B. #043SARASOTA COUNTY COASTAL
CONSTRUCTION CONTROL LINE

2/15/2018, ASBUILT BEACHSIDE RENOVATIONS

LEGEND

3.30' = AS-BUILT ELEVATION
TS = TOE OF SLOPE
TOB = TOP OF BANK

SHEET 4 OF 6

NOT VALID UNLESS ALL SHEET ARE PRESENT, SHEETS 1 THROUGH 6

ASBUILT SURVEY

PROVIDED BY:



742 Shamrock Boulevard
Venice, Florida 34293
(941) 496-9488
(941) 624-4900
Fax (941) 497-6186

www.strayersurveying.com

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE "STANDARDS OF PRACTICE FOR SURVEYS" SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND IS NOT INTENDED TO MEET ANY OTHER MUNICIPAL OR NATIONAL STANDARD OR REQUIREMENT UNLESS NOTED.

HEREBY CERTIFY THAT THE SURVEY AS-BUILT INFORMATION WAS COLLECTED UNDER MY SUPERVISION AND ARE TO THE BEST OF MY KNOWLEDGE AND BELIEF A TRUE REPRESENTATION OF THE IMPROVEMENTS AS SHOWN.

STRAYER SURVEYING & MAPPING, INC.
LICENSED SURVEYOR BUSINESS NO. 6639

FIELD SURVEY DATE - 07/03/2017 & 2/14/2018

ROBERT B. STRAYER, JR.
FLORIDA SURVEYOR & MAPPER REG. #5027

"NOT VALID WITHOUT THE ORIGINAL SIGNATURE SEAL
OF A FLORIDA LICENSED SURVEYOR AND MAPPER."

COPYRIGHTED MATERIAL © 2018

MATCHLINE SHEET 13

LEGEND:

- ASPHALT DRIVE
- GRASS PARKING
- CONCRETE SIDEWALK
- PROPOSED ELEVATION
- EXISTING ELEVATION
- FLOW ARROW
- BASIN LINE
- SL-X SAMPLE LINE (SEE SECTIONS SHEET 18)

~SARASOTA BAY~
(APPROX. MEAN HIGH WATER LEVEL
EL.=+0.20' NAVD 1988)

MATCHLINE SHEET 13

PB
CB
KM

DMK ASSOCIATES
ENGINEERS & SURVEYORS
421 Commercial Court, Suite C
Venice, Florida 34292
Ph: (941) 412-1293 Fax: (941) 412-1043
Engineering Business No. 3943

In accordance with F.S. 330.04, these preliminary engineering documents are not a final form, however, are being transmitted to receive public agency reviews, comments and interpretations. The documents may subsequently be revised by the Engineer to reflect resolution of issues prior to final action. Changes, revisions and modifications to the project may require additional document submission for agency approvals.

TOWN OF LONGBOAT KEY

BAYFRONT PARK & ADDITION

GRADING & DRAINAGE PLAN

3/22/18

1" = 20'

KREG MAHEU

FLA. LIC. NO.: 45766

DATE:

6 365 175

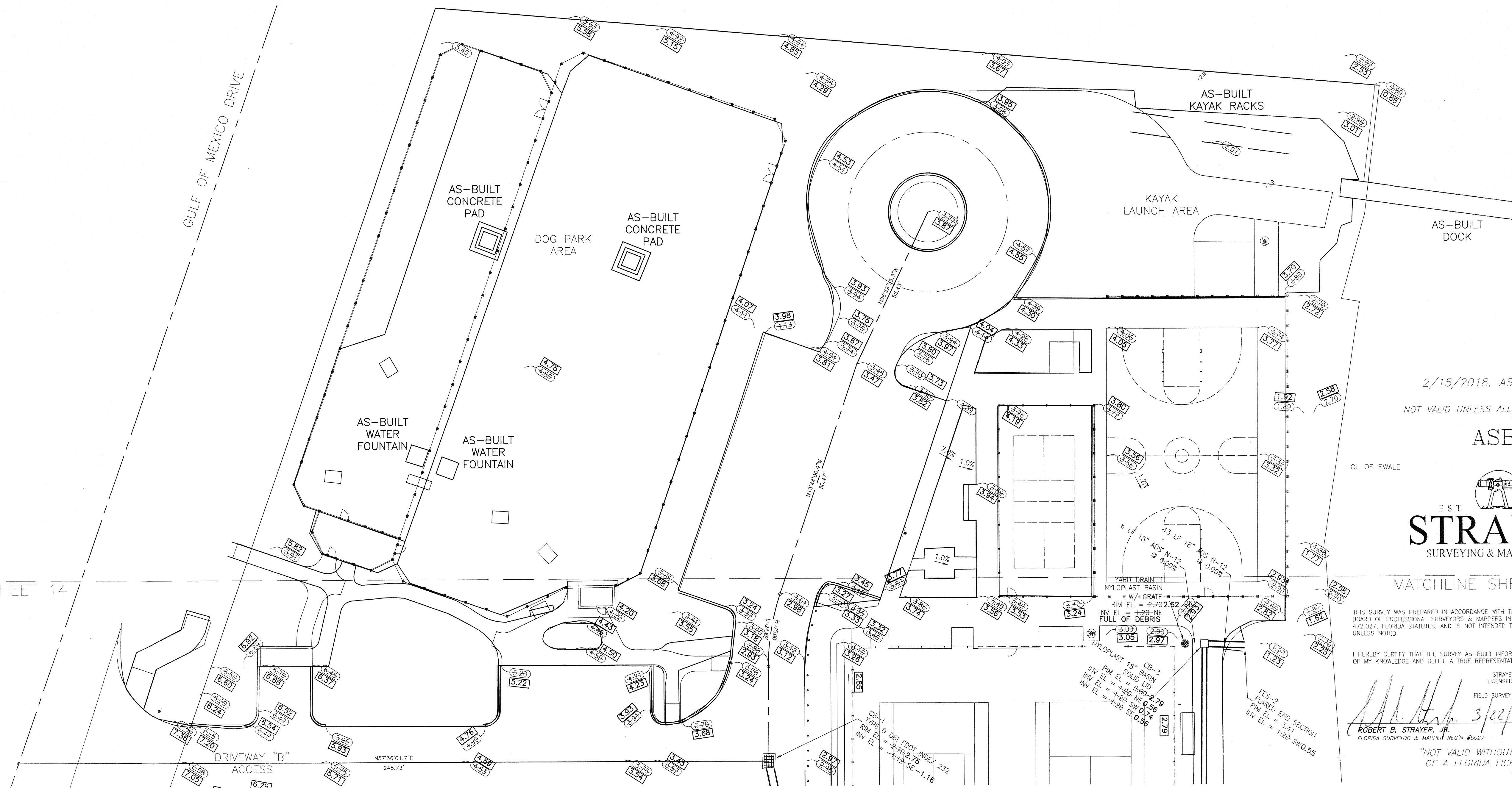
14-0285

14 27

Source: 3/22/2018 12:35 PM PATRICK.M | Printed: 3/22/2018 12:35 PM PATRICK.M | File: \\SERVER-PC\SHARED\UPRANES\2-CURRENT CONSTRUCTION\UNDERWAY PARK-SMITH\YOG AS-BUILT.DWG | Layout: 15- grading 4

SARASOTA COUNTY
COASTAL CONSTRUCTION
CONTROL LINE

- LEGEND:
- ASPHALT DRIVE
 - GRASS PARKING
 - CONCRETE SIDEWALK
 - PROPOSED ELEVATION
 - EXISTING ELEVATION
 - FLOW ARROW
 - BASIN LINE
 - SL-X SAMPLE LINE (SEE SECTIONS SHEET 18)



- LEGEND
- 3.30 = AS-BUILT ELEVATION
 - TS = TOE OF SLOPE
 - TOB = TOP OF BANK

2/15/2018, ASBUILT BEACHSIDE RENOVATIONS
SHEET 5 OF 6
NOT VALID UNLESS ALL SHEET ARE PRESENT, SHEETS 1 THROUGH 6

ASBUILT SURVEY

PROVIDED BY:

EST. 1987
STRAYER
SURVEYING & MAPPING, INC.
www.strayersurveying.com

742 Shamrock Boulevard
Venice, Florida 34293
(941) 496-9488
(941) 624-4900
Fax (941) 497-6186

MATCHLINE SHEET 14

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE "STANDARDS OF PRACTICE FOR SURVEYS" SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS IN CHAPTER 54-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND IS NOT INTENDED TO MEET ANY OTHER MUNICIPAL OR NATIONAL STANDARD OR REQUIREMENT UNLESS NOTED.

I HEREBY CERTIFY THAT THE SURVEY AS-BUILT INFORMATION WAS COLLECTED UNDER MY SUPERVISION AND ARE TO THE BEST OF MY KNOWLEDGE AND BELIEF A TRUE REPRESENTATION OF THE IMPROVEMENTS AS SHOWN.

STRAYER SURVEYING & MAPPING, INC.
LICENSED SURVEYOR BUSINESS NO. 6639
FIELD SURVEY DATE --07/03/2017 & 2/14/2018
3/22/18
ROBERT B. STRAYER, JR.
FLORIDA SURVEYOR & MAPPER REG# 85027

"NOT VALID WITHOUT THE ORIGINAL SIGNATURE SEAL
OF A FLORIDA LICENSED SURVEYOR AND MAPPER."

COPYRIGHTED MATERIAL © 2018

PB
CB
KM

DMK

DMK ASSOCIATES
ENGINEERS ■ SURVEYORS

421 Commercial Court, Suite C
Venice, Florida 34292
Ph: (941) 412-1293 Fax: (941) 412-1043
Engineering Business No. 3943

In accordance with 610-20.004 F.A.C., these preliminary engineering documents are not in final form, however, are being transmitted to receive public agency reviews, comments and interpretations. The documents may subsequently be revised by the Engineer to reflect resolution of items prior to final action, changes, revisions and modifications to the project may prompt additional document submissions for agency approval.

TOWN OF LONGBOAT KEY

BAYFRONT PARK & ADDITION

GRADING & DRAINAGE PLAN

3/22/18

1" = 20'

6 36S 17E

KREG MAHEU
FLA. LIC. NO.: 45766
DATE:

14-0285

15 27

Bayfront Park Stormwater Basin Areas/Water Quality Volume Required			
BASIN	AREA (s.f.)	Area (ac.)	WATER QUALITY VOLUME REQUIRED (C.F.)
BASIN 1	65,775.60	1.51	4,110.98
BASIN 2	23,958.00	0.55	1,497.38
BASIN 3	7,405.20	0.17	462.83
BASIN 4	31,798.80	0.73	1,987.43
BASIN 5	16,117.20	0.37	1,007.33
BASIN 6	8,276.40	0.19	517.28
BASIN 7	27,442.80	0.63	1,715.18
BASIN 8	31,363.20	0.72	1,960.20
BASIN 9	36,590.40	0.84	2,286.90
ONSITE TREATMENT	248,727.60	5.71	15,545.48
BASIN ONT-1	8,712.00	0.20	
BASIN ONT-2	15,246.00	0.35	
BASIN ONT-3	55,756.80	1.28	
MANGROVE/CANAL	40,560.00	0.93	
BEACH ACCESS	5,499.00	0.13	
ONSITE NO-TREATMENT	125,773.80	2.89	
BASIN OFF-SITE	69,696.00	1.60	

Bayfront Park Stormwater Treatment Volume Calculations															
POND	TOP AREA (S.F.)	TOP AREA (AC.)	TOP EL (NGVD)	BOTTOM AREA (S.F.)	BOTTOM AREA (AC.)	BOTTOM EL (NGVD)	TOTAL VOLUME (C.F.)	PER FOOT (C.F.)	WATER QUAL DEPTH (FT)	CONTROL ELEVATION (N.G.V.D.)	PROVIDED TREATMEN T VOLUME (C.F.)	REQUIRED TREATMEN T VOLUME (C.F.)	ESHWT (NGVD)	ESHWT BELOW POND BOTTOM (FT)	25YR/24HR DHWL
POND 1	13,700.31	0.315	2.70	8,620.37	0.198	1.20	16,740.51	11,160.34	0.72	1.92	7,084.48		0.2	1.0	2.54
POND 2	7,878.95	0.181	2.70	3,735.43	0.086	1.20	8,710.79	5,807.19	0.72	1.92	3,405.51		0.2	1.0	2.64
POND 3	1,225.63	0.028	2.70	438.12	0.010	1.20	1,247.81	831.88	0.72	1.92	451.53		0.2	1.0	2.67
POND 4	7,421.63	0.170	2.70	5,324.28	0.122	1.20	9,559.43	4,779.72	0.72	1.92	4,105.30		0.2	1.0	2.67
POND 5	2,059.43	0.047	2.70	1,009.26	0.023	1.20	2,301.52	1,534.35	0.72	1.92	908.14		0.2	1.0	2.50
Total Ponds 1-5											15,954.95	15,518.25			

2/15/2018, ASBUILT BEACHSIDE RENOVATIONS
SHEET 6 OF 6
NOT VALID UNLESS ALL SHEET ARE PRESENT, SHEETS 1 THROUGH 6
AS-BUILT SURVEY
PROVIDED BY:



742 Shamrock Boulevard
Venice, Florida 34293
(941) 496-9488
(941) 624-4900
Fax (941) 497-6186
www.strayersurveying.com

STRUCTURE TABLE			
STRUCTURE NAME:	DESCRIPTION	PIPES IN:	PIPES OUT
BUBBLER-1	TYPE D DBI FDOT INDEX 232	P-2, 30" INV IN =-2.90--2.93	
BUBBLER-2	TYPE C DBI FDOT INDEX 232	P-6, 18" INV IN =-1.00--0.99	
BUBBLER-3	TYPE C DBI FDOT INDEX 232		P-5, 18" INV OUT =-0.80--0.77
BUBBLER-4	TYPE C DBI FDOT INDEX 232	P-5, 18" INV IN =-0.80--0.85	
CB-1	TYPE D DBI FDOT INDEX 232		P-1, 24" INV OUT =-1.12--1.16
CB-2	TYPE D DBI FDOT INDEX 232	P-1, 24" INV IN =-1.20--1.29	P-2, 30" INV OUT =-1.50--1.75
CB-3	NYLOPLAST 18" BASIN SOLID LID	P-3(1), 18" INV IN =-1.20--0.74 P-3(2), 15" INV IN =-1.20--0.56	P-3, 18" INV OUT =-1.20--0.56
CB-4	TYPE C DBI FDOT INDEX 232		P-6, 18" INV OUT =-0.40--0.41
CB-OFF-1	TYPE C DBI FDOT INDEX 232		P-9, 18" INV OUT =-1.00--0.98
FES-1	FLARED END SECTION	P-3, 18" INV IN =-1.20--0.52	
FES-2	FLARED END SECTION		P-3(1), 18" INV OUT =-1.20--0.55
MES-2	(3)18" FDOT 272 (4:1 SLOPE)		P-4 (3), 18" INV OUT =-1.00--0.72
MES-3	(3)18" FDOT 272 (4:1 SLOPE)	P-4 (3), 18" INV IN =-1.00--0.69	
MES-7	18" FDOT 272 (4:1 SLOPE)		P-7, 18" INV OUT =-1.20--1.23
MES-8	18" FDOT 272 (4:1 SLOPE)	P-7, 18" INV IN =-1.20--1.20	
MES-9	18" FDOT 272 (4:1 SLOPE)		P-8, 18" INV OUT =-1.20--1.28
MES-10	18" FDOT 272 (4:1 SLOPE)	P-8, 18" INV IN =-1.20--1.14	
OFF-W1	TYPE E OCS FDOT INDEX 232		OUTFALL-1, 30" INV OUT =-0.20--0.23
OFF-W2	TYPE D OCS FDOT INDEX 232	D-2, 6" INV IN =-0.20--0.30 D-1, 6" INV IN =-0.20--0.30	OUTFALL-2, 18" INV OUT =-0.20--0.10
OUTFALL-1	CORE HOLE IN SEAWALL	OUTFALL-1, 30" INV IN =-0.20--0.30	
OUTFALL-2	18" MES FDOT 272 (4:1 SLOPE) (LT)	OUTFALL-2, 18" INV IN =-0.20--0.13	
OUTFALL-OFF	TYPE C DBI FDOT INDEX 232	P-9, 18" INV IN =-1.00--1.15	
YARD DRAIN-1	NYLOPLAST BASIN W/ GRATE		P-3(2), 15" INV OUT =-1.20--FULL OF DEBRIS
YARD DRAIN-2	NYLOPLAST BASIN W/ GRATE		P-10, 12" INV OUT =-0.75--0.97
YARD DRAIN-3	NYLOPLAST BASIN W/ GRATE	P-10, 12" INV IN =-0.75--0.91	

PIPE TABLE						
NAME	SIZE	MATERIAL	LENGTH	SLOPE	START INV.	END INV.
D-1	6"	PVC	75.0'	0.00%	0.30-0.20	2.69-0.20
D-2	6"	PVC	75.0'	0.00%	0.30-0.20	2.82-0.20
OUTFALL-1	19"x30"	ERCP	12.91'	0.00%	-0.30-0.20	-0.23-0.20
OUTFALL-2	18"	RCP	2.22'	0.00%	0.13-0.20	0.10-0.20
P-1	24"	RCP	172.62'	0.05%	-1.16-1.12	-1.29-1.20
P-2	30"	RCP	31.58'	3.95%	-1.75-1.50	-2.93-2.90
P-3	18"	ADS N-12	140.64'	0.02%	0.56-1.20	0.52-1.20
P-3(1)	18"	ADS N-12	11.93'	0.08%	0.56-1.20	0.55-1.20
P-3(2)	15"	ADS N-12	4.03'	0.00%	FULL OF DEBRIS	0.74-1.20
P-4 (1)	18"	RCP	15.72'	0.18%	0.72-1.00	0.69-1.00
P-4 (3)	18"	RCP	12.78'	0.23%	0.72-1.00	0.69-1.00
P-4(1)	18"	RCP	15.72'	0.18%	0.72-1.00	0.69-1.00
P-5	18"	RCP	123.30'	0.05%	-0.85-0.80	-0.77-0.80
P-6	18"	RCP	19.36'	2.89%	-0.41-0.40	-0.99-1.00
P-7	18"	RCP	8.31'	0.36%	1.20-1.20	1.23-1.20
P-8	18"	RCP	21.94'	0.54%	1.14-1.20	1.28-1.20
P-9	18"	RCP	65.41'	0.05%	-1.15-1.00	-0.98-1.00
P-10	12"	ADS N-12	20.63'	0.28%	0.91-0.75	0.97-0.75

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE "STANDARDS OF PRACTICE FOR SURVEYS" SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS IN CHAPTER 5-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND IS NOT INTENDED TO MEET ANY OTHER MUNICIPAL OR NATIONAL STANDARD OR REQUIREMENT UNLESS NOTED.

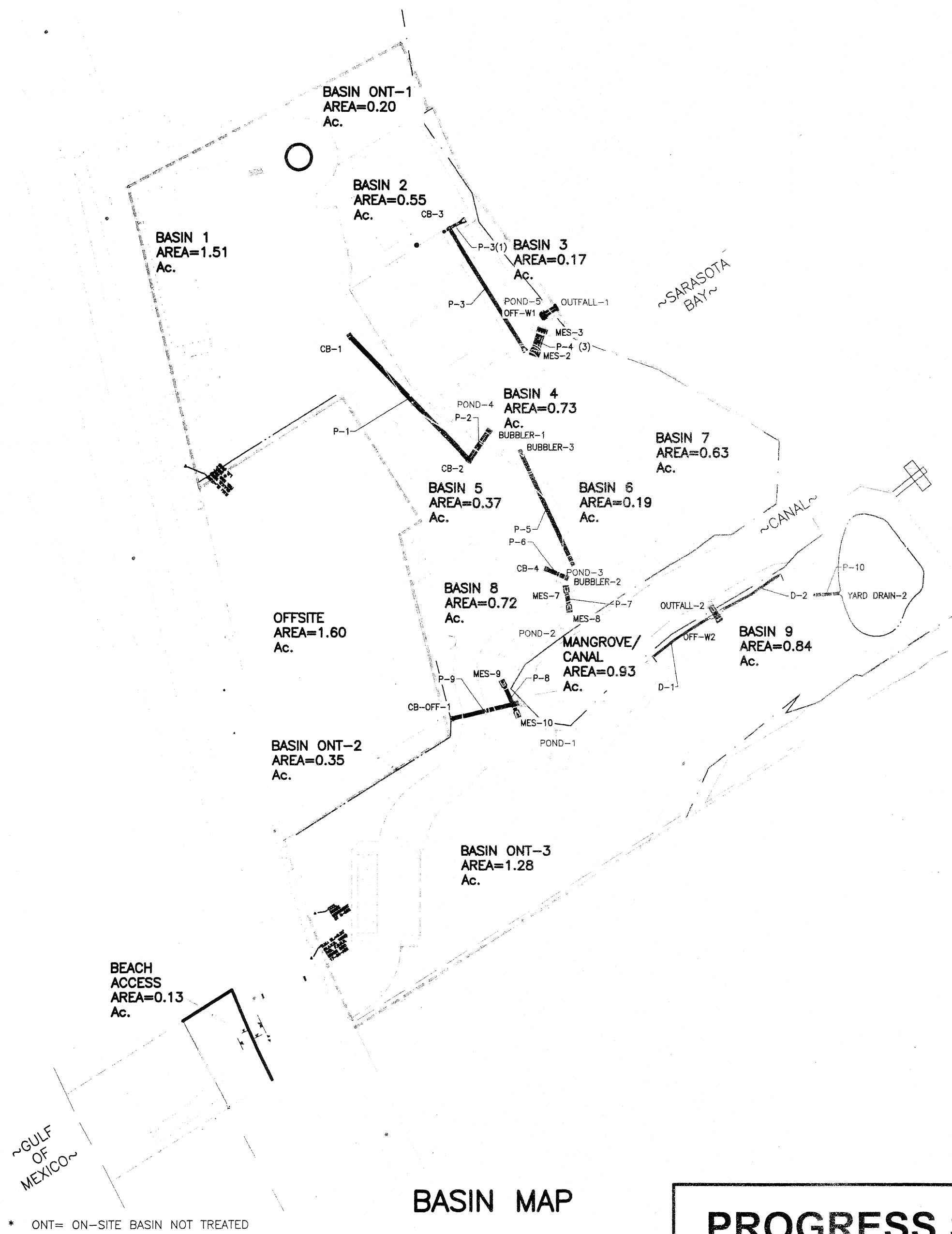
I HEREBY CERTIFY THAT THE SURVEY AS-BUILT INFORMATION WAS COLLECTED UNDER MY SUPERVISION AND ARE TO THE BEST OF MY KNOWLEDGE AND BELIEF A TRUE REPRESENTATION OF THE IMPROVEMENTS AS SHOWN

STRAYER SURVEYING & MAPPING, INC.
LICENSED SURVEYOR BUSINESS NO. 6639
FIELD SURVEY DATE - 07/03/2017 & 2/14/2018
3/22/18
ROBERT B. STRAYER, JR.
FLORIDA SURVEYOR & MAPPER REG'N #5027

"NOT VALID WITHOUT THE ORIGINAL SIGNATURE SEAL
OF A FLORIDA LICENSED SURVEYOR AND MAPPER."

COPYRIGHTED MATERIAL © 2018

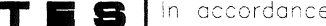
TOP CLEANOUT (NO ACCESS)
TOP CLEANOUT (NO ACCESS)



* ONT= ON-SITE BASIN NOT TREATED

BASIN MAP

PROGRESS SET
June 27, 2016

						ACTIVITY		INITIALS		DATE		 DMK ASSOCIATES ENGINEERS ■ SURVEYORS 421 Commercial Court, Suite C Venice, Florida 33429 Ph: (941) 412-1293 Fax: (941) 412-1043 Engineering Business No. 3943		in accordance with 616-30.004 F.A.C., these preliminary engineering documents are not in final form, however, are being transmitted to receive public agency reviews, comments and interpretations. The documents may subsequently be revised by the Engineer to reflect resolution of issues prior to final action. Changes, revisions and modifications to the project may prompt additional document submittals for agency approvals.		CLIENT: TOWN OF LONGBOAT KEY		TITLE: PIPPES & STRUCTURES TABLES		DATE: 6/27/16 HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: SEC. TWP. RSE. 6 36S 17E		PROJECT NUMBER: 14-0285 SHEET NUMBER: 16 OF 27	
DESIGNED BY:		PB		8/15																			
DRAWN BY:		PB		8/15																			
CHECKED BY:		KM		8/15																			
REV. NO.		REVISION		DATE		DRWN BY		CHKD BY															