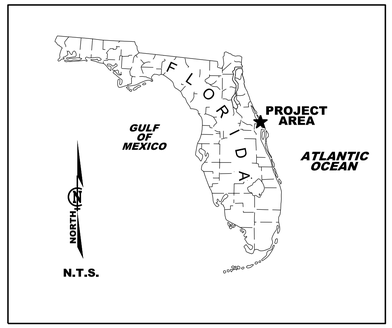
SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY MAIN STREET PIER CITY OF DAYTONA BEACH VOLUSIA COUNTY, FL

DECEMBER 2018



LOCATION MAP

VICINITY MAP

PREPARED FOR:

THE CITY OF DAYTONA BEACH INCORPORATED JULY 1876

SURVEY CONTROL

CONTROL POINT	SPCS (NAD 83/90) US SURVEY FT NORTHING	EASTING	ELEVATION (NAVD 88)	DESCRIPTION
REVILO	1775345.71	654616.97	12.87	NGS B/D C.MON "REVILO 1934"
TRAV 1	1778887.28	654035.81	17.15	PK NAIL SET
TRAV 2	1778959.69	654235.64	17.28	PK NAIL SET
TRAV 3	1779031.60	654447.50	17.21	PK NAIL SET
TRAV 4	1779120.68	654668.90	17.21	PK NAIL SET

ABBREVIATIONS

FT	FEET
EL	ELEVATION
GPS	GLOBAL POSITIONING SYSTEM
NGS	NATIONAL GEODETIC SURVEY
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM
RTK	REAL TIME KINEMATIC
SPCS	STATE PLANE COORDINATE SYSTEM
TBM	TEMPORARY BENCH MARK
BD	BRASS DISK
C.MON	MONUMENT SET IN CONCRETE
CONC	CONCRETE
PK	SURVEYOR NAIL
TRAV	TRAVERSE POINT

PREPARED BY:

SEA DIVERSIFIED

SEA DIVERSIFIED, INC.

SURVEYING & ENGINEERING APPLICATIONS

AERIAL MAP

SHEET INDEX

NO.	SHEET	SHEET TITLE
1	C1	COVER
2	P1	PLAN VIEW DATA TOPSIDE DETAIL
3	P2	PLAN VIEW DATA SUBSTRUCTURE DETAIL
4 - 14	S1 - S11	CROSS SECTIONS
15 - 16	T1 - T2	TABULAR PILE DATA

SURVEY NOTES:

1. REFER TO SEA DIVERSIFIED PROJECT NUMBER 18-2675.
2. THIS TOPOGRAPHIC SURVEY WAS PERFORMED AT THE REQUEST OF THE CITY OF DAYTONA BEACH.
3. THIS SURVEY WAS CONDUCTED, COMMENCING JUNE 22 AND ENDING OCTOBER 24 OF 2018.
4. THE INFORMATION DEPICTED HEREIN REPRESENTS THE RESULTS OF THE SURVEY ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THE TIME.
5. HORIZONTAL DATA ARE IN UNITED STATES SURVEY FEET AND RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR FLORIDA, EAST ZONE (0901), NORTH AMERICAN DATUM (NAD) OF 1983, 1990 ADJUSTMENT. VERTICAL DATA ARE IN FEET AND RELATIVE TO NAVD 88.
6. TOPOGRAPHIC DATA WAS COLLECTED USING A COMBINATION OF THE FOLLOWING; CONVENTIONAL ROD, LEVEL AND CHAIN METHODOLOGIES, TRIMBLE REAL-TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS), AND A TRIMBLE TOTAL STATION WITH BASE STATION.
7. AERIAL IMAGE IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY, IMAGE OBTAINED FROM THE FLORIDA LAND AND BOUNDARY INFORMATION SYSTEM, WWW.LABINS.ORG. FLIGHT YEAR 2015.
8. THIS SURVEY SHOULD BE CONSIDERED AN UPDATE OF THE 2010/11 SURVEY PERFORMED BY SDI, REFER TO PREVIOUS SDI PROJECT NUMBER 10-1743.
9. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

I HEREBY CERTIFY THAT THE TOPOGRAPHIC SURVEY SHOWN HEREON IS BASED ON A RECENT FIELD SURVEY CONDUCTED UNDER MY PERSONAL DIRECTION AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLOIRDA STATUTES.

WILLIAM T. SADLER JR., P.E., P.S.M.
FLORIDA PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA REGISTRATION NO. 5859
FLORIDA AUTHORIZATION NO. LB-7432

DATE:

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT: SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY MAIN STREET PIER CITY OF DAYTONA BEACH, FL

SHEET TITLE: COVER / PLAN VIEW

PREPARED FOR: THE CITY OF DAYTONA BEACH INCORPORATED JULY 1876
CITY OF DAYTONA BEACH
950 BEVILLE ROAD
DAYTONA BEACH, FL 32114

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

SEA DIVERSIFIED

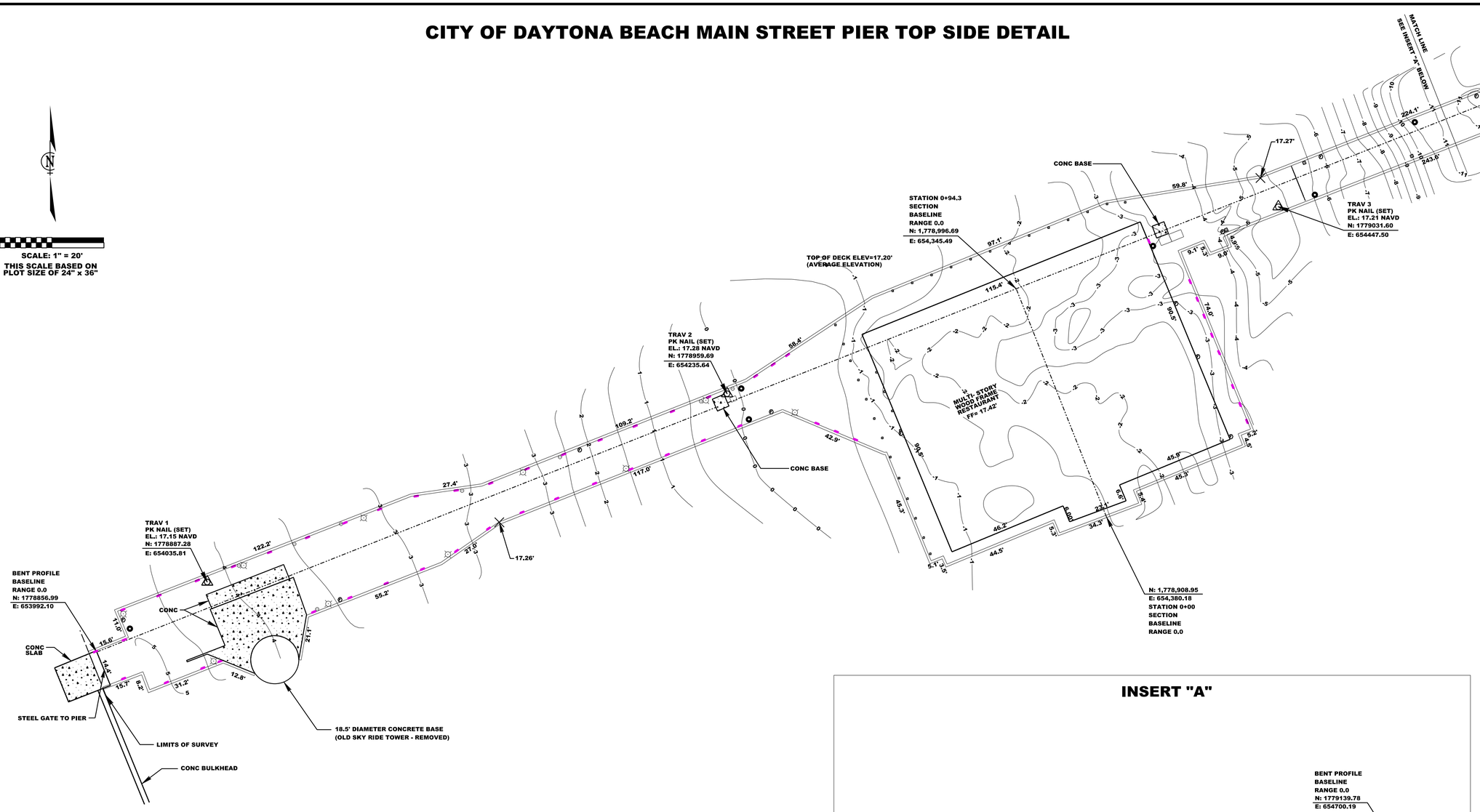
DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN
SHEET:	C1
CADD ID:	
TOTAL NUMBER OF SHEETS:	

SDI P.N. 18-2675

COVER.USE.dgn 12/5/2018 2:35:13 PM SEA DIVERSIFIED INC.

CITY OF DAYTONA BEACH MAIN STREET PIER TOP SIDE DETAIL

SCALE: 1" = 20'
THIS SCALE BASED ON PLOT SIZE OF 24" x 36"



NOTE: CONTOURS ARE SHOWN AT HALF-FOOT INTERVALS RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

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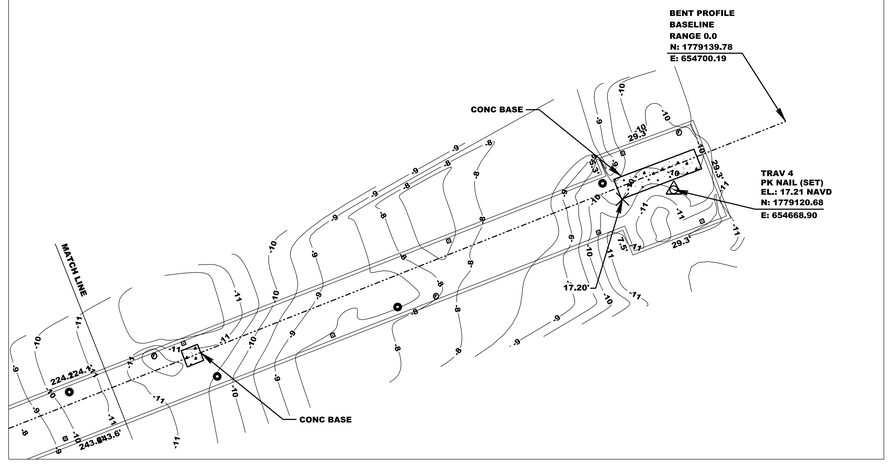

LEGEND

	TIMBER POST
	WALL LIGHT
	ELECTRIC BASE FOR LIGHT POLE
	FIRE EXTINGUISHER CABINET
	LIGHT POLE
	WIRE PULL BOX
	TRASH

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
PLAN VIEW TOP SIDE DETAIL

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELLEVIEW AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
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DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN

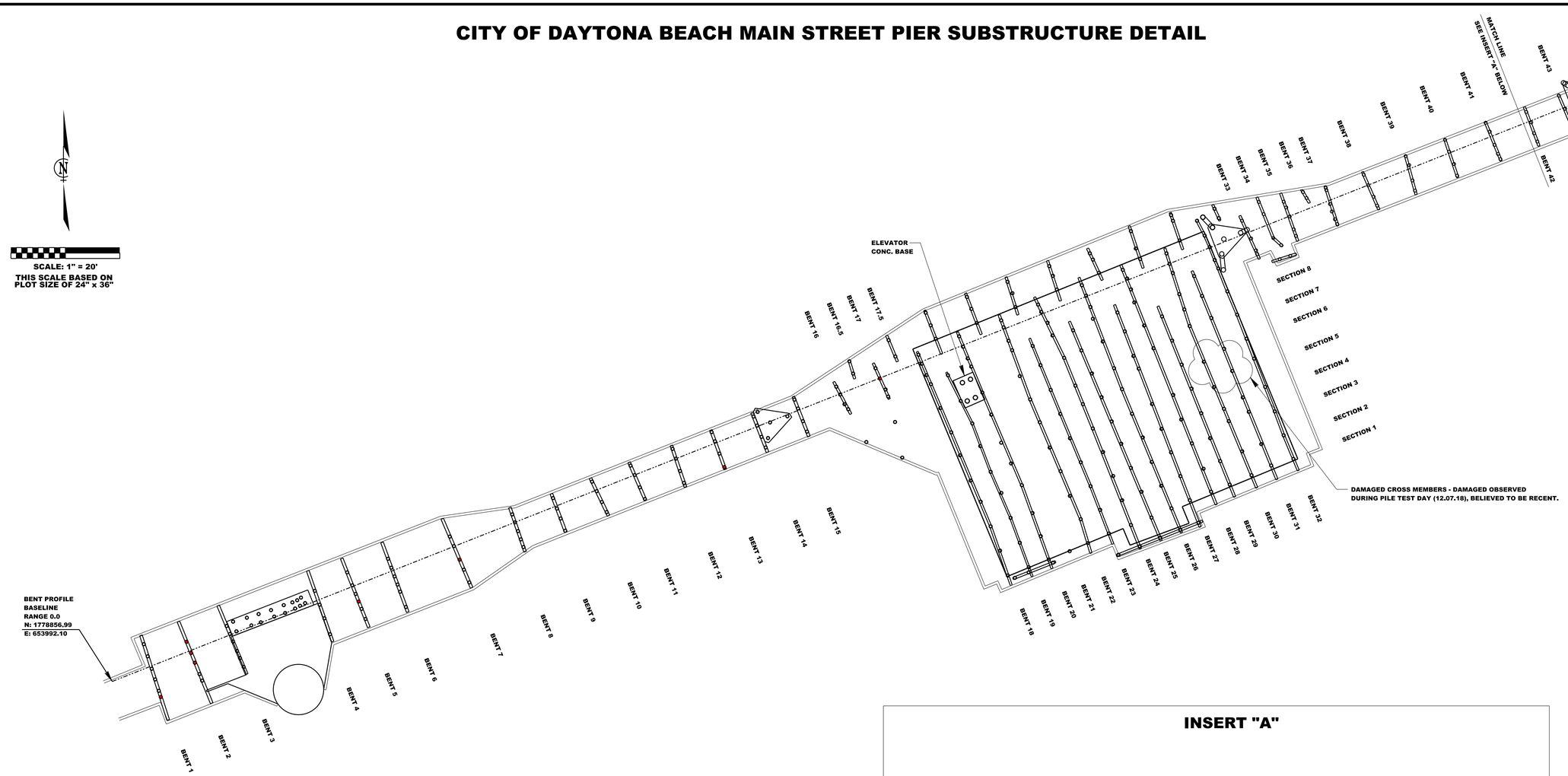
SHEET:
P1

CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675

1743SH02.dgn 12/5/2018 1:56:51 PM SEA DIVERSIFIED INC.

CITY OF DAYTONA BEACH MAIN STREET PIER SUBSTRUCTURE DETAIL



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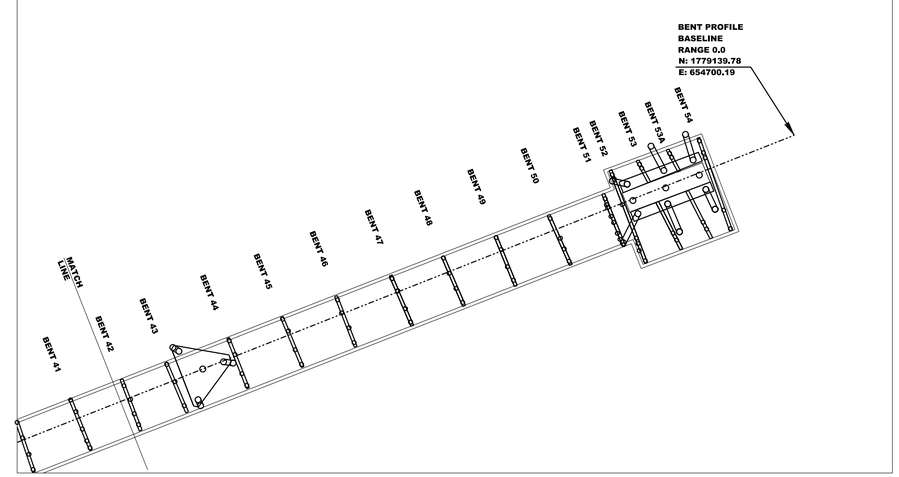


OBSERVED PILE CONDITIONS:
GENERAL NOTE - TIMBER PILES ARE OVERALL IN GOOD CONDITION AND WEATHERING AS EXPECTED. HOWEVER, PILE AGE IS ULTIMATLEY UNKOWN.
SPECIFIC PILES WITH NOTEWORTHY OBSERVATIONS ARE LISTED BELOW:

1. BENT 4 / PILE 4 (SOUTHERNMOST) HAS A GAP OF APPROXIMATELY 4-INCHES BETWEEN TOP OF PILE AND PILE CAP.
2. BENT 12 / PILE 3 HAS EXCESSIVE ROT AND IS IN NEED OF ATTENTION.
3. BENT 13 / PILE 3 HAS SEVERE CRACK APPROXIMATELY 3-FT ABOVE EXISTING SAND GRADE.
4. BENT 13 / PILE 4 HAS A GAP OF APPROXIMATELY 4-INCHES BETWEEN TOP OF PILE AND PILE BENT.
5. BENT 34 / PILE 2 DETACHED FROM BENT, APPEARS TO HAVE BEEN CUT.
6. BENT 43 / PILE 3 IS ENTIRELY MISSING.

OBSERVED CROSS MEMBER CONDITIONS:
MOST CROSS MEMBERS APPEAR TO HAVE BEEN RECENTLY REPLACED, BUT SOME OLDER CROSS MEMBERS ARE STILL PRESENT. CONNECTION POINTS OF ALL CROSS MEMBERS SHOULD BE INSPECTED / TIGHTENED OR REPLACE HARDWARE IF NEED BE. SOME HARDWARE WERE OBSERVED TO BE LOOSE AND OR MISSING, NOTE LOCKING WASHERS OR JAM NUTS WERE NOT OBSERVED, PERIODIC INSPECTION OF HARDWARE SHOULD BE ROUTINE.
BUBBLED AREA ILLUSTRATES DAMAGED CROSS MEMBERS THAT ARE IN NEED OF ATTENTION.

PILE INTEGRITY TEST (P.I.T.) - OVERALL LENGTH APPROXIMATIONS:
PILES TESTED DURING INITIAL P.I.T. EVALUATION, DATED 12.07.18, ARE DEPICTED WITH FILLED-IN RED, (●), REVIEW PILE TEST REPORT PREPARED BY GRL, DATED 12.12.18, FOR COMPLETE RESULTS. SUMMARIZATION IS PROVIDED HEREON;

1. BENT 1 / PILE 6 - 21 FT
2. BENT 2 / PILE 1 - 27 FT
3. BENT 2 / PILE 2 - 30 FT
4. BENT 2 / PILE 3 - 30 FT
5. BENT 5 / PILE 4 - 26 FT
6. BENT 7 / PILE 3 - 30 FT
7. BENT 13 / PILE 4 - 31 FT
8. BENT 17 / PILE 2 - 31 FT

PLEASE NOTE THE ABOVE VALUES ARE SUMMARIZED FROM GRL REPORT, WHICH SHOULD BE REVIEWED IN ENTIRETY.

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY MAIN STREET PIER CITY OF DAYTONA BEACH, FL

SHEET TITLE:
PLAN VIEW SUBSTRUCTURE DETAIL

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELVIEW AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:

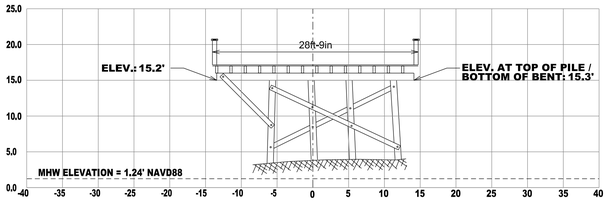
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
751 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN

SHEET:
P2

CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675



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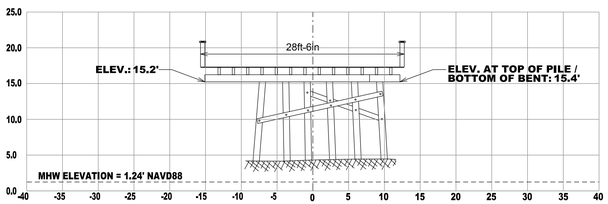

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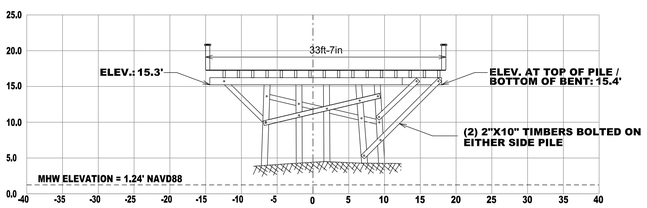

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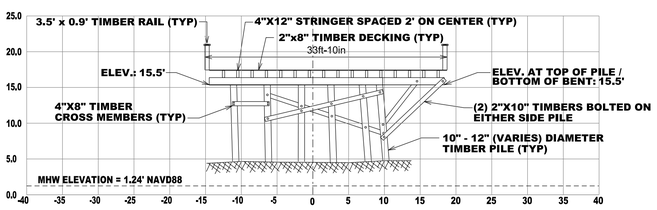

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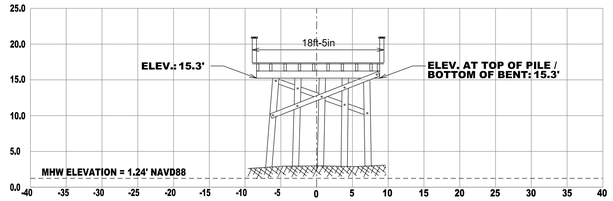

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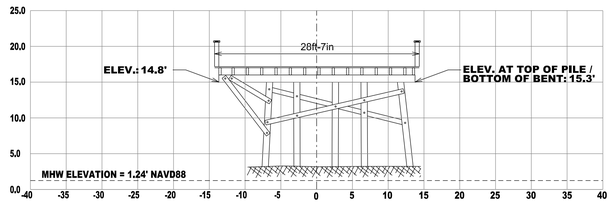

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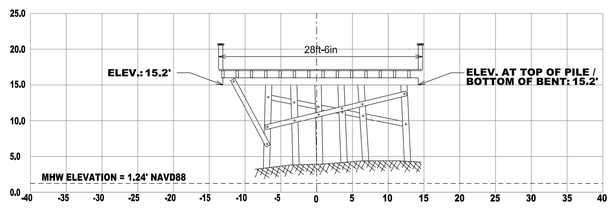

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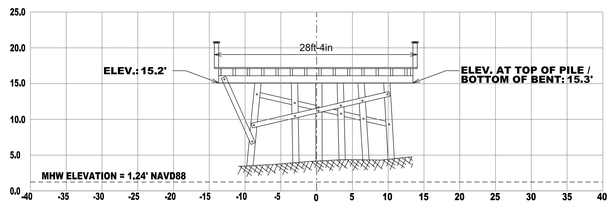

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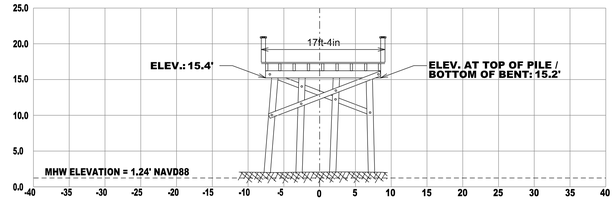

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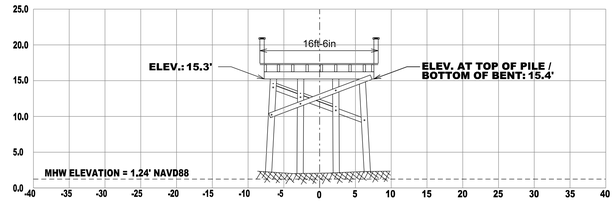

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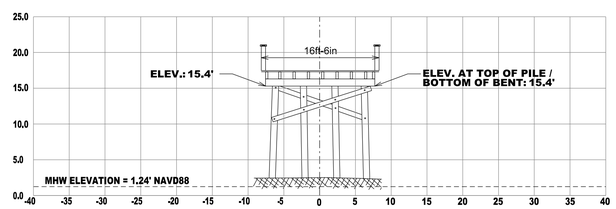

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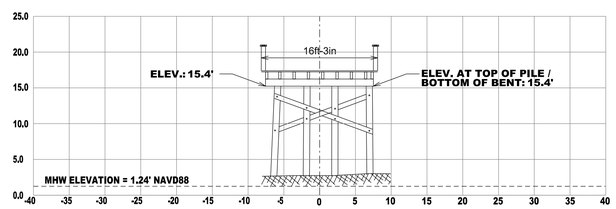

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SCALE

VERTICAL: 1" = 10'
HORIZONTAL: 1" = 10'

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

PREPARED FOR:
CITY OF DAYTONA BEACH
950 DELTIA AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN
SHEET:	

S1

CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675

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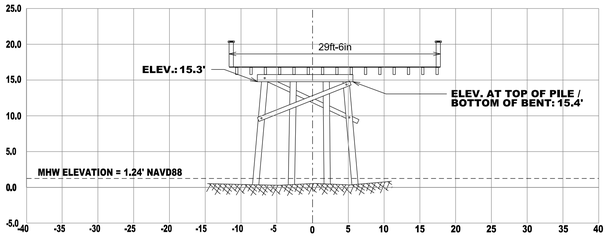

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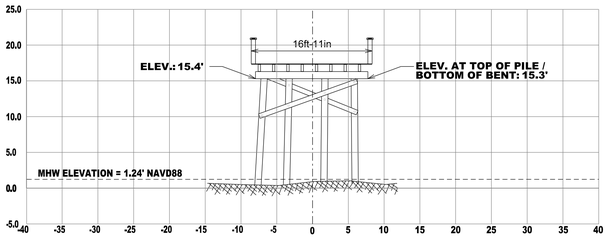

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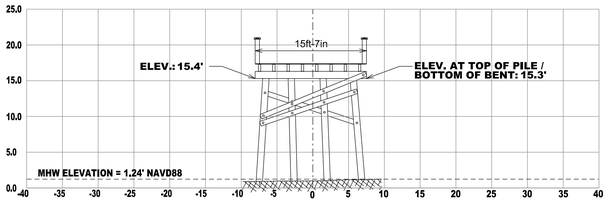

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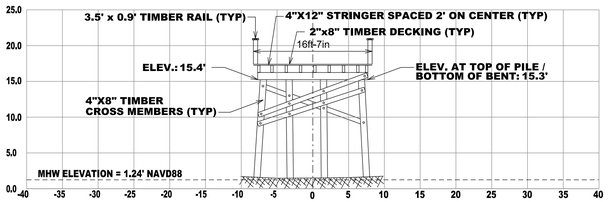

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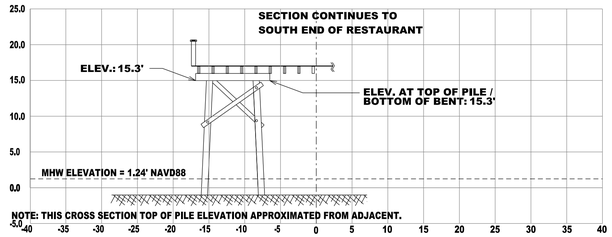

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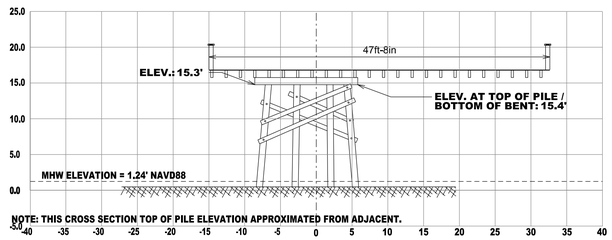

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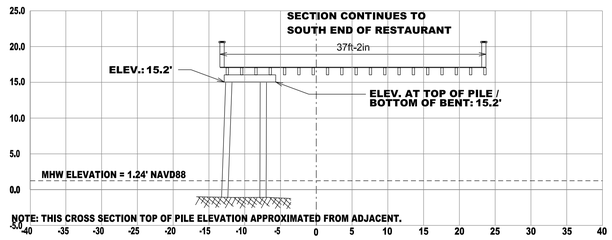

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SCALE

VERTICAL: 1" = 10'
HORIZONTAL: 1" = 10'

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELLEVIEW AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:
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151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

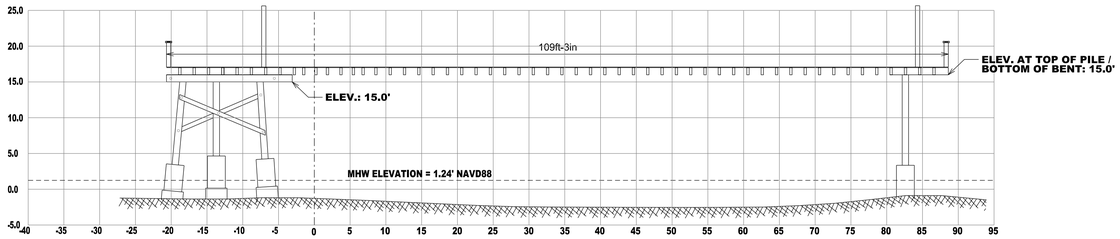
DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN
SHEET:	

S2

CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675

1743SH05a.dgn 12/5/2018 2:11:33 PM SEA DIVERSIFIED INC.



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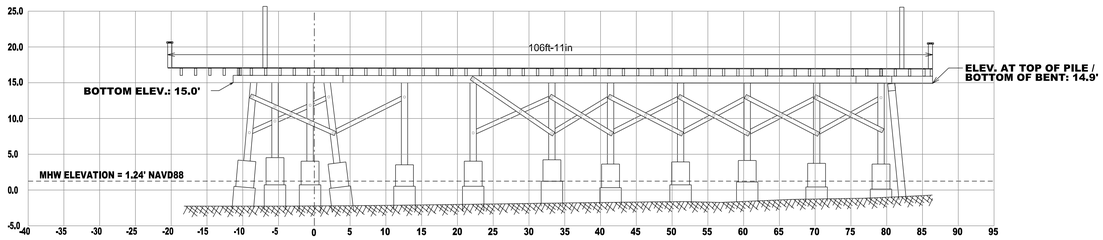

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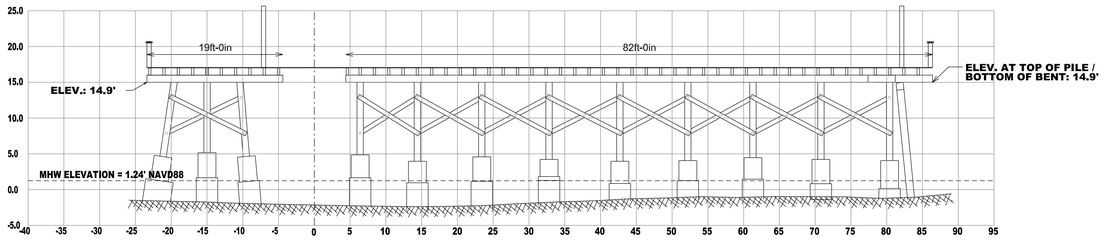

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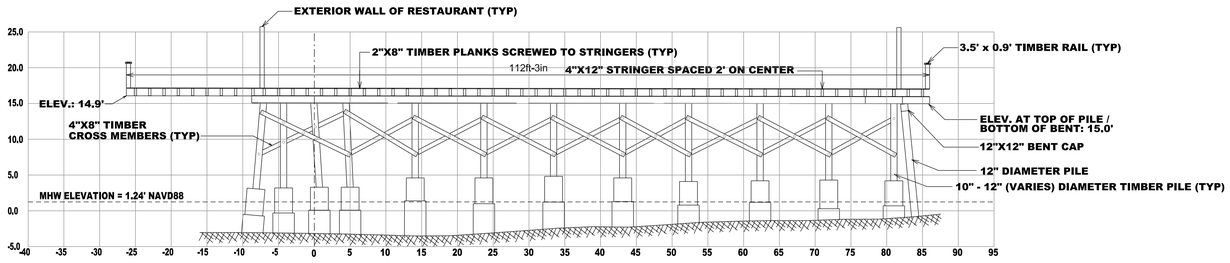

BENT 18

SCALE

VERTICAL: 1" = 10'
HORIZONTAL: 1" = 10'

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY
& TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

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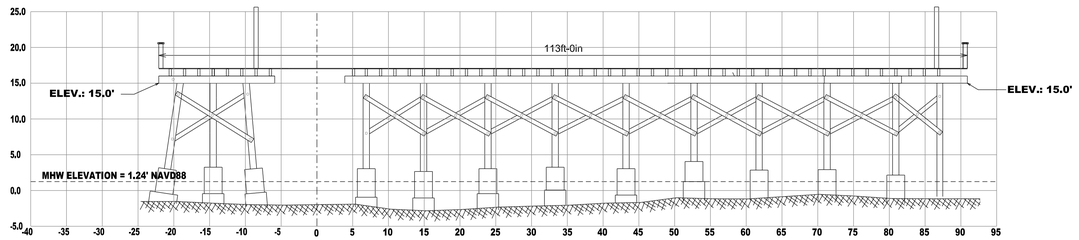
SCALE:	AS SHOWN
SHEET:	

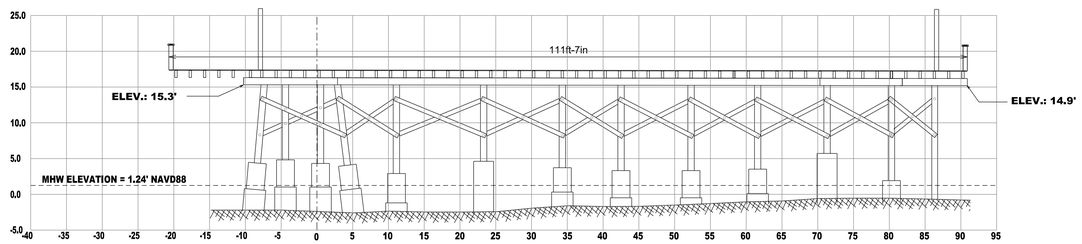
S3

CADD ID:
TOTAL NUMBER OF SHEETS:

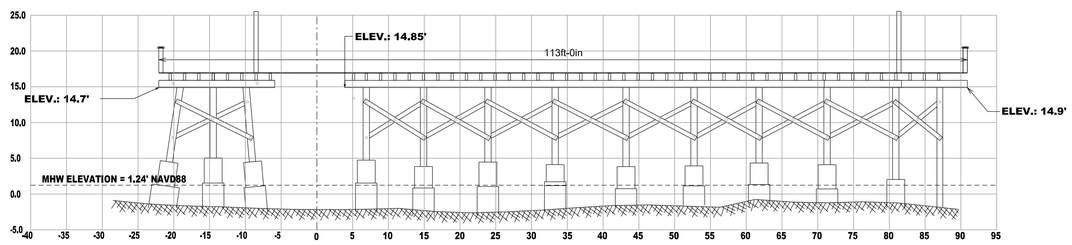
SDI P.N. 18-2675



BENT 25



BENT 24



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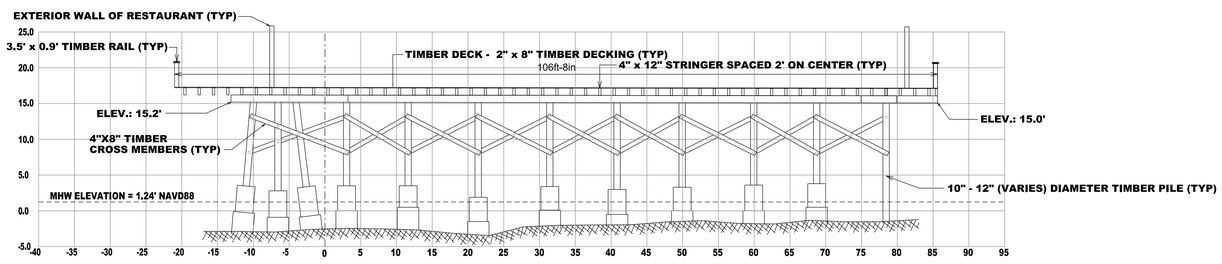


BENT 22

SCALE

VERTICAL: 1" = 10'
HORIZONTAL: 1" = 10'

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY MAIN STREET PIER CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

PREPARED FOR:
CITY OF DAYTONA BEACH
950 DELTIVIA AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:

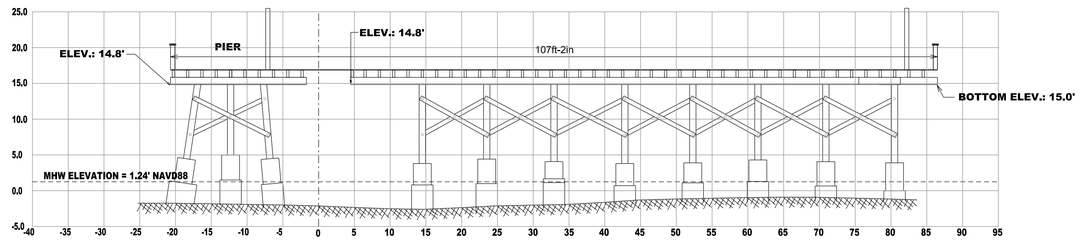
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN
SHEET:	

S4

CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675



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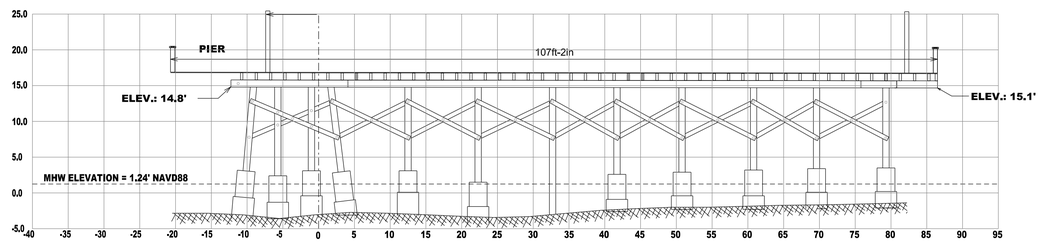
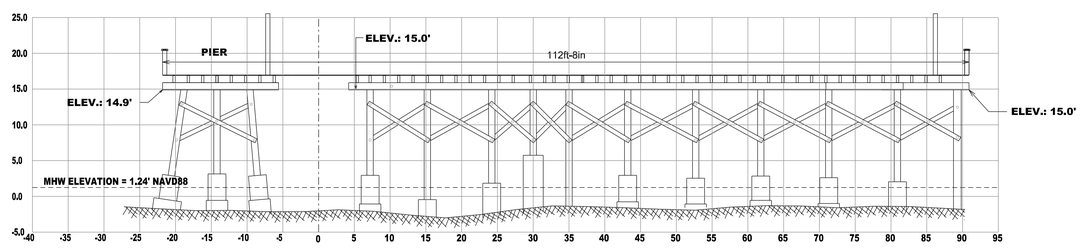


BENT 28



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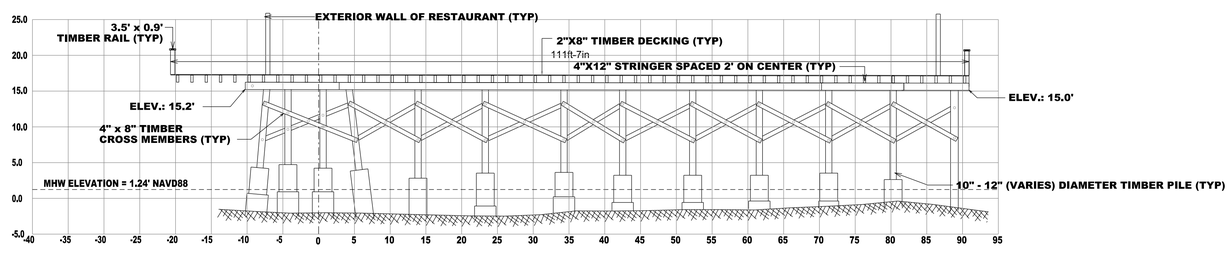


BENT 26

SCALE

VERTICAL: 1" = 10'
HORIZONTAL: 1" = 10'

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY
& TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELLEVUE AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL.: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

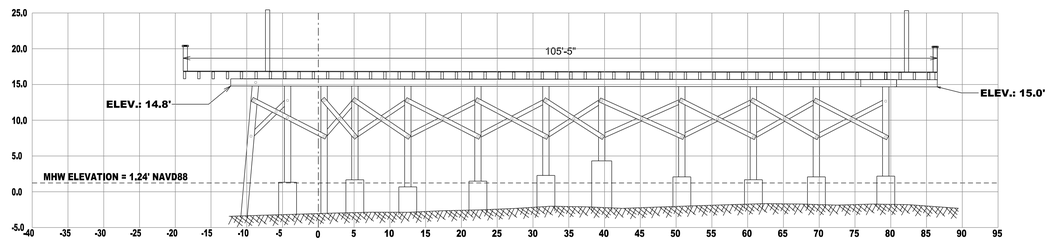
DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN

SHEET:
S5

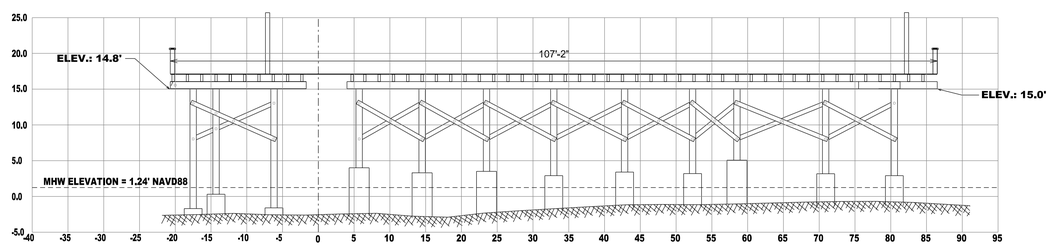
CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675

1743SH08a.dgn 12/5/2018 2:17:56 PM SEA DIVERSIFIED INC.



BENT 32



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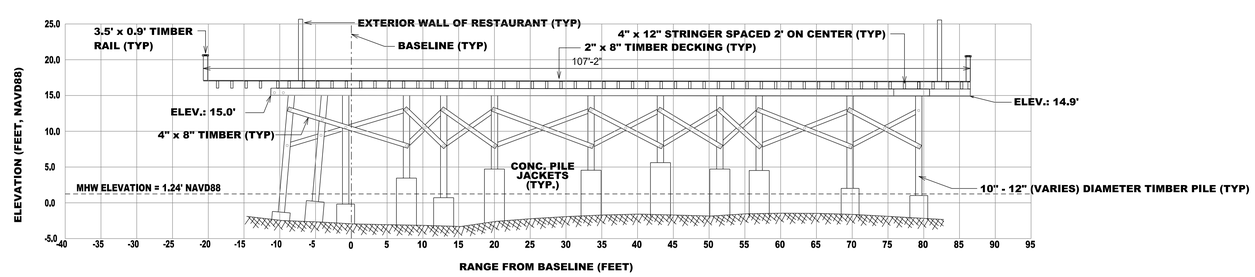


BENT 30

SCALE

VERTICAL: 1" .: 10'
HORIZONTAL: 1" .: 10'

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY
& TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELLEVIEW AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

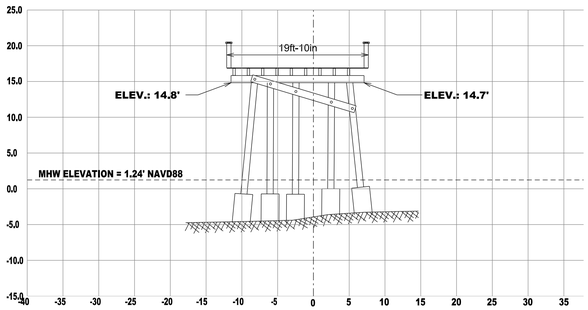
DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN
SHEET:	

S6

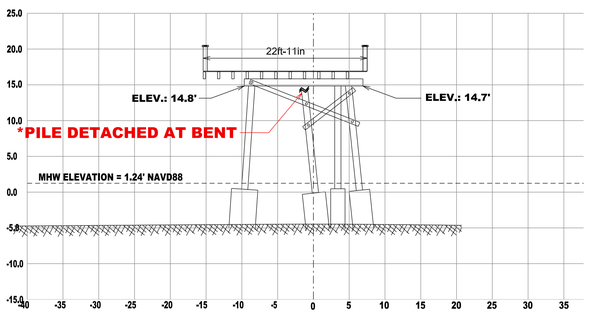
CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675

1743SH09a.dgn 12/5/2018 2:19:01 PM SEA DIVERSIFIED INC.



BENT 35



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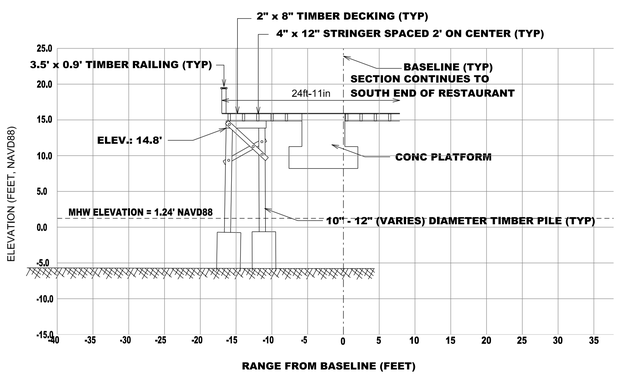
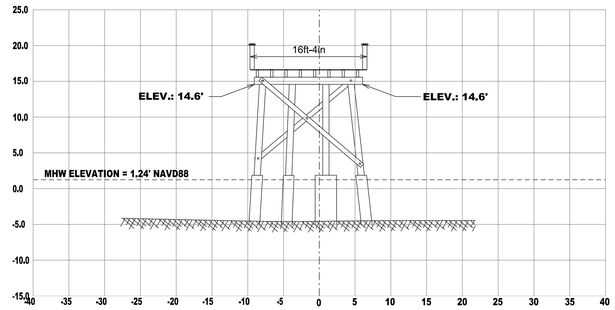
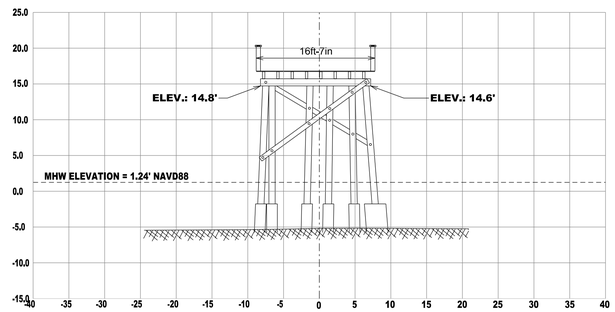


BENT 33

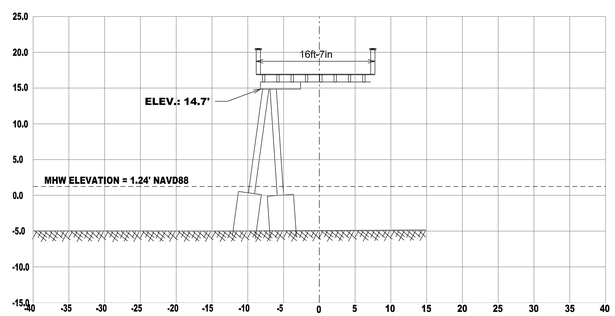
*NOTE: BENT 34 - PILE DETACHED AT BENT



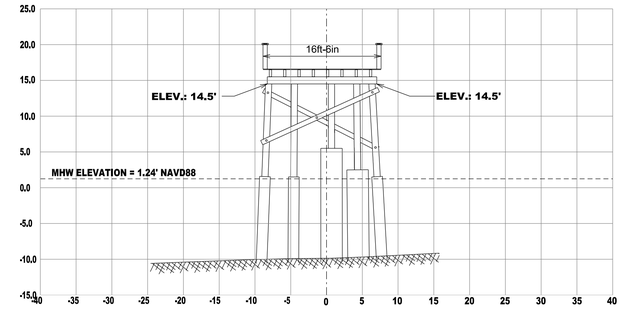
BENT 38



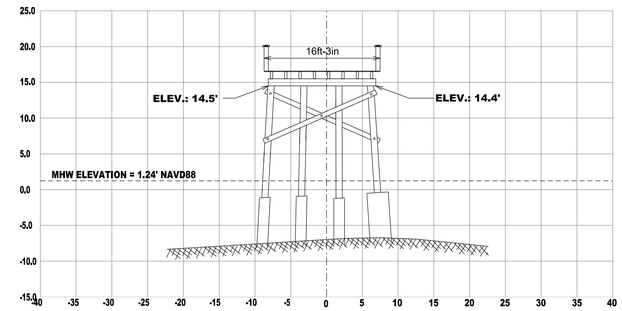
BENT 37



BENT 36



BENT 41



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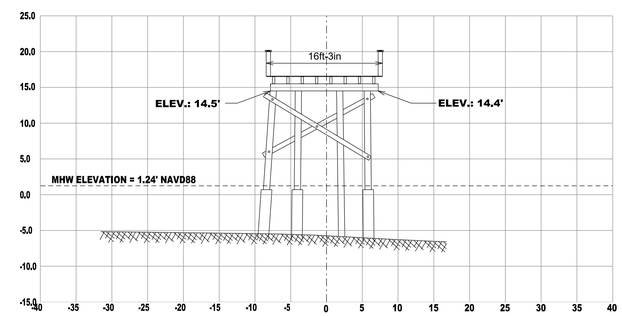


BENT 39

SCALE
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 10'

REVISIONS:

NO:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY
& TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELLEVIEW BLVD
DAYTONA BEACH, FL 32114

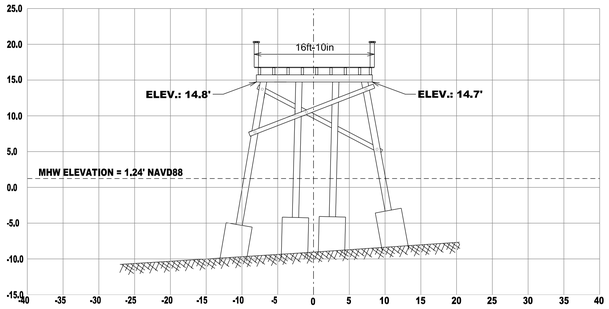
PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN

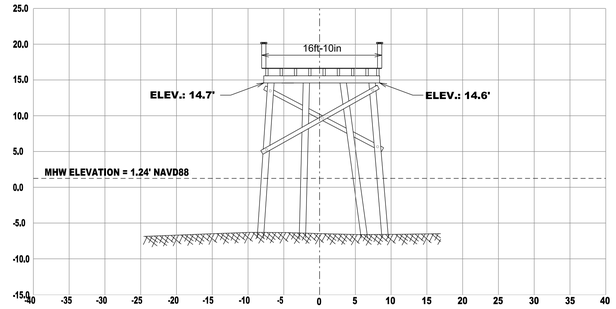
SHEET:
S7

CADD ID:
TOTAL NUMBER OF SHEETS:

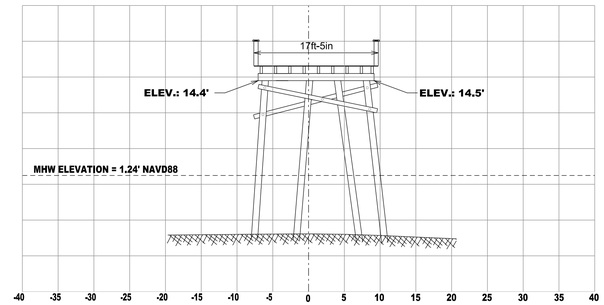
SDI P.N. 18-2675



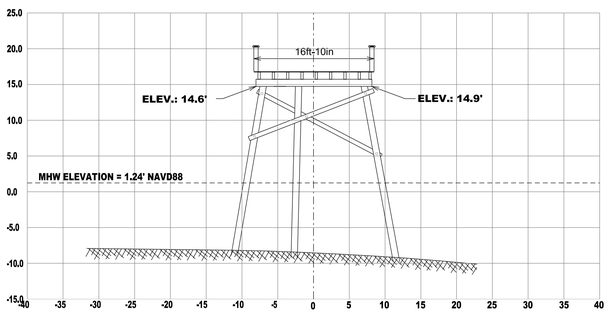
BENT 44



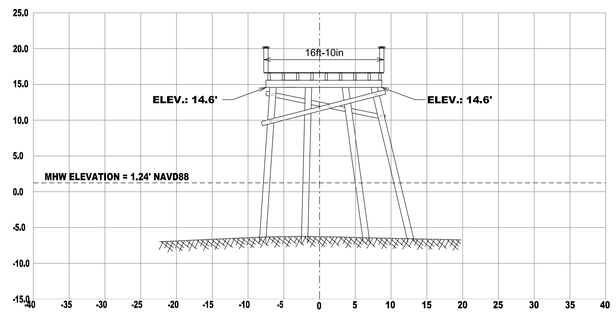
BENT 47



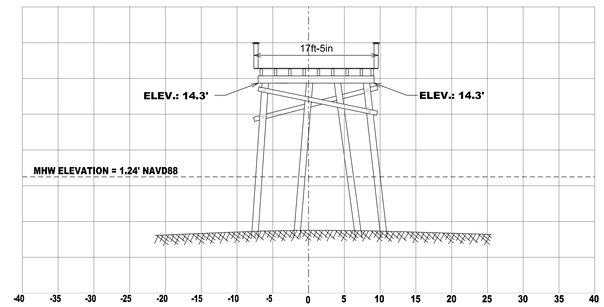
BENT 50



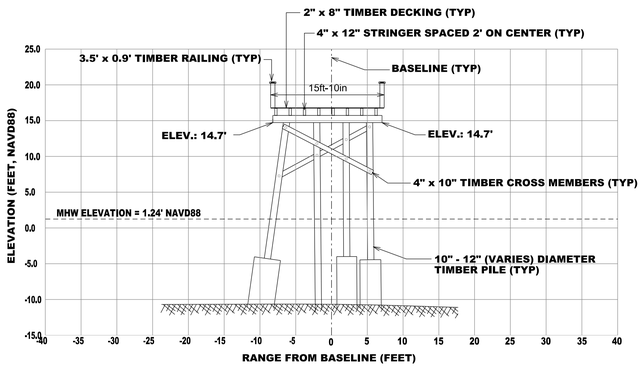
BENT 43



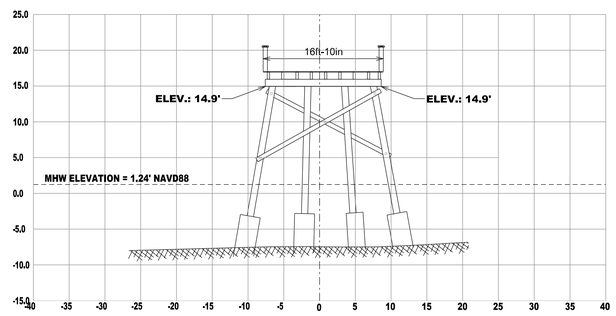
BENT 46



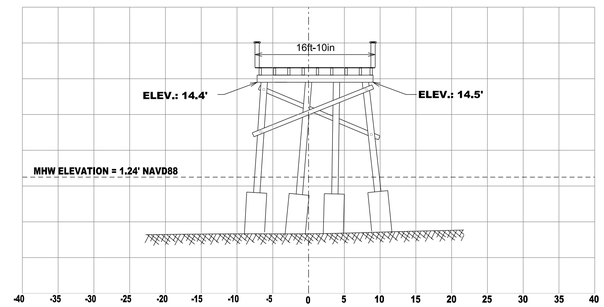
BENT 49



BENT 42



BENT 45



BENT 48

SCALE

VERTICAL: 1" = 10'
HORIZONTAL: 1" = 10'

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY
& TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELVEDERE AVENUE
DAYTONA BEACH, FL 32114

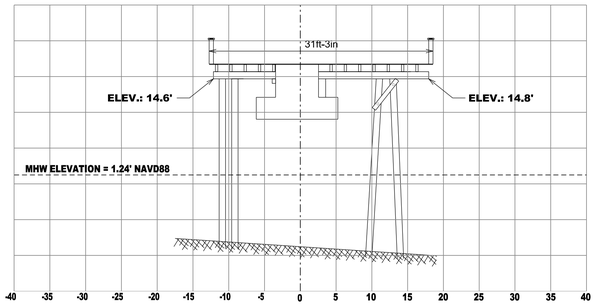
PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN

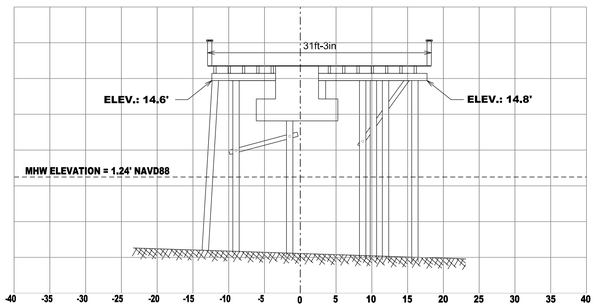
SHEET:
S8

CADD ID:
TOTAL NUMBER OF SHEETS:

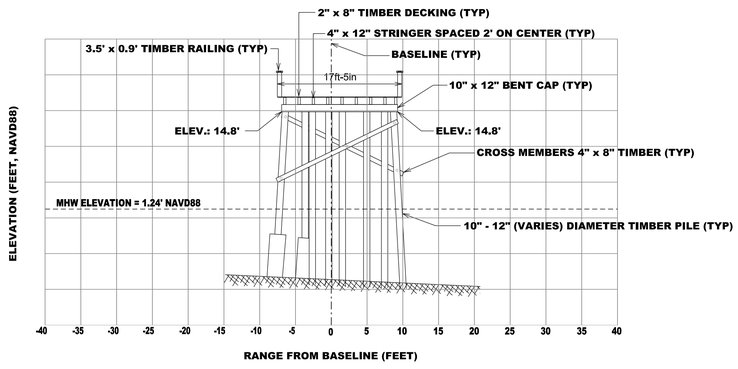
SDI P.N. 18-2675



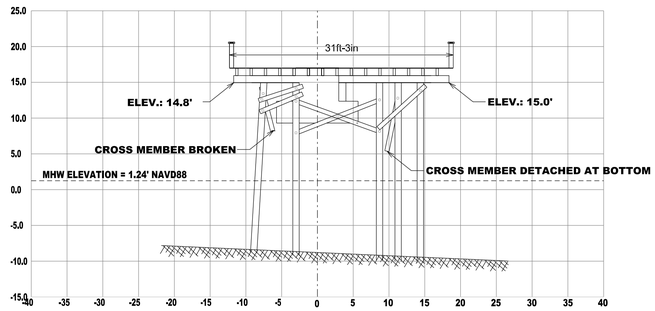
BENT 53



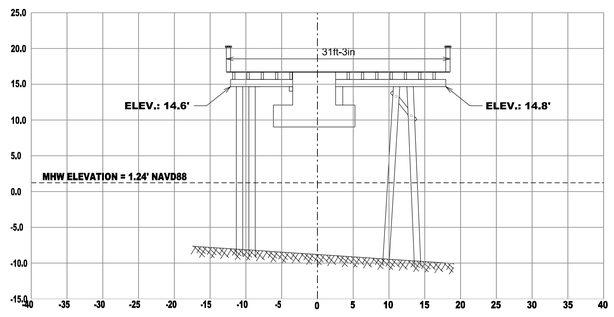
BENT 52



BENT 51



BENT 54



BENT 53A

SCALE

VERTICAL: 1" = 10'
HORIZONTAL: 1" = 10'

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY
& TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELLVIEW AVENUE
DAYTONA BEACH, FL 32114

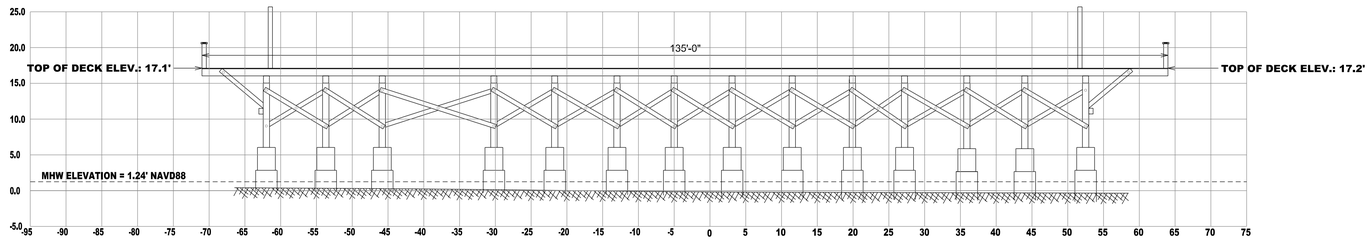
PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN

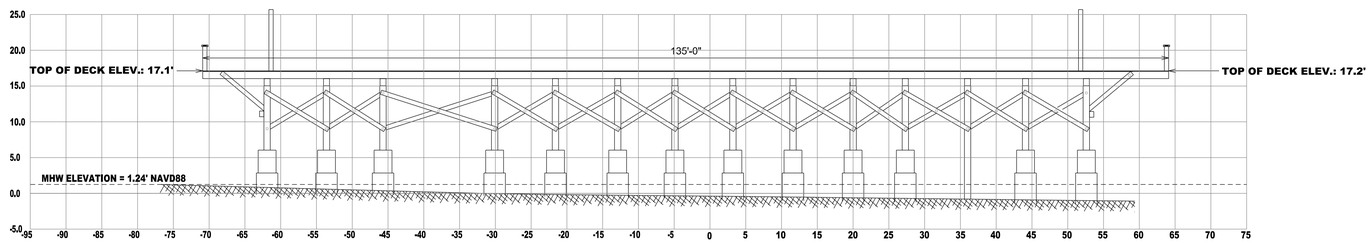
SHEET:
S9

CADD ID:
TOTAL NUMBER OF SHEETS:

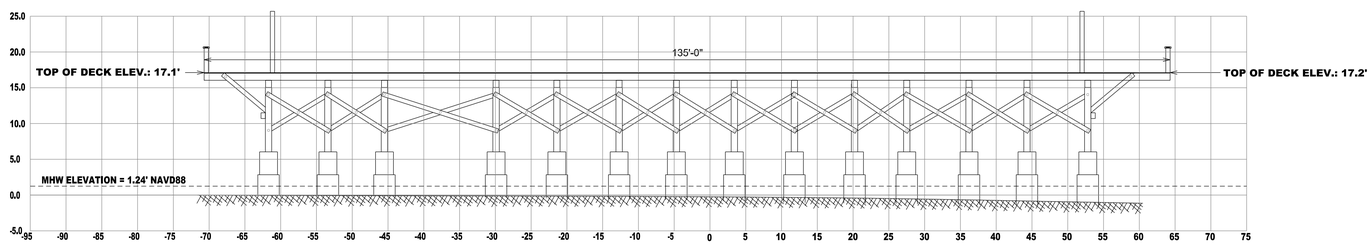
SDI P.N. 18-2675



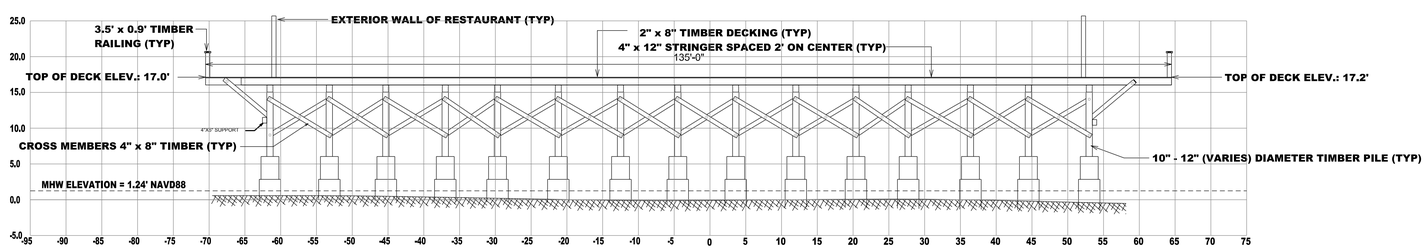
SECTION 4



SECTION 3



SECTION 2



SECTION 1

SCALE
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 10'

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY
& TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELLEVUE AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

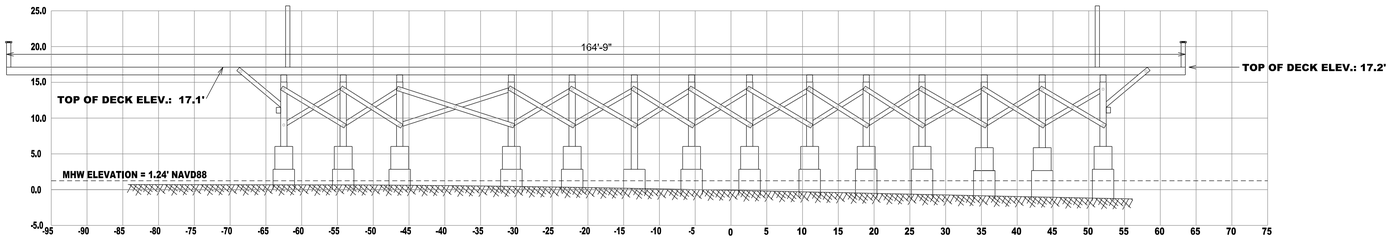
DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN

SHEET:
S10

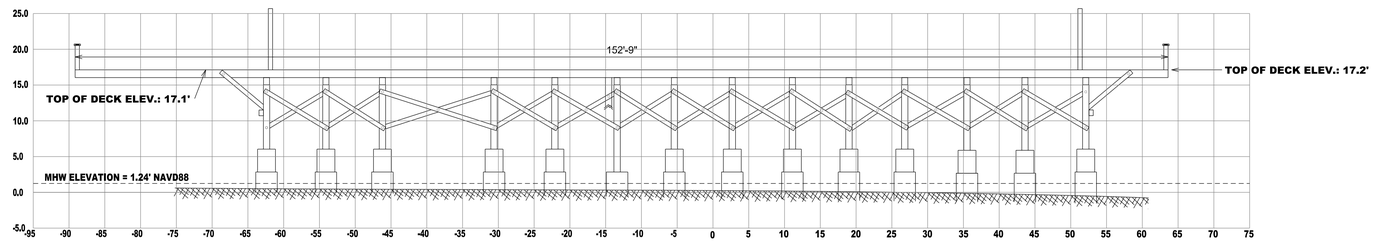
CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675

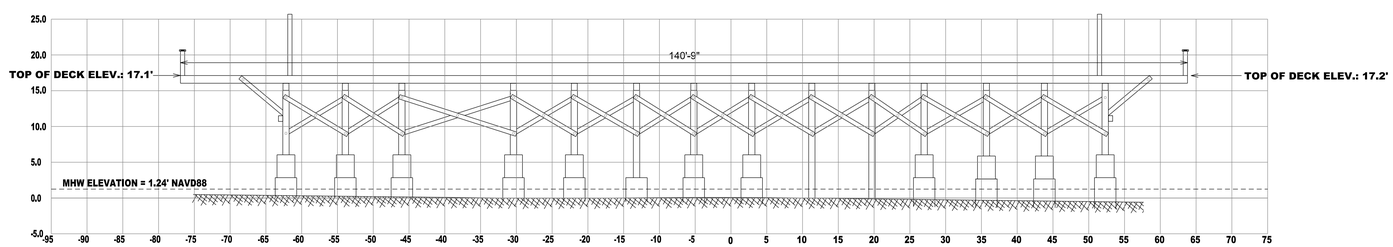
1743SH10a.dgn 12/5/2018 2:21:51 PM SEA DIVERSIFIED INC.



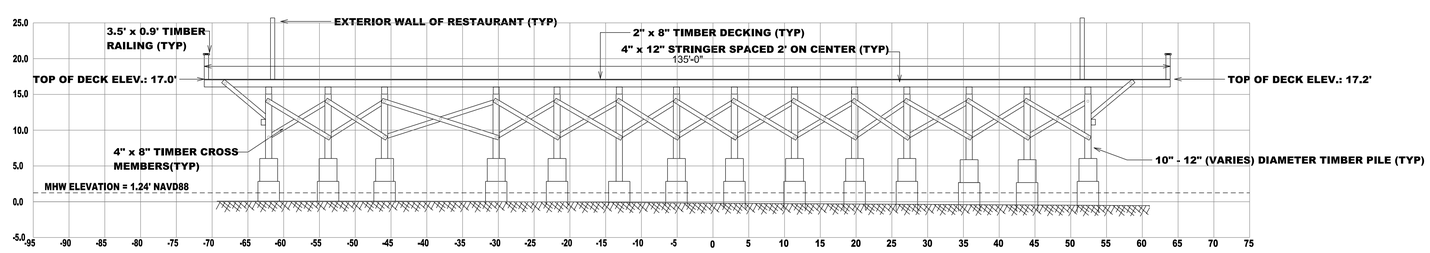
SECTION 8



SECTION 7



SECTION 6



SECTION 5

SCALE
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 10'

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY
& TOPOGRAPHIC SURVEY
MAIN STREET PIER
CITY OF DAYTONA BEACH, FL

SHEET TITLE:
CROSS SECTIONS

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BEAUTIA AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN

SHEET:
S11

CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675

1743SH11a.dgn 12/5/2018 2:24:20 PM SEA DIVERSIFIED INC.

CITY OF DAYTONA BEACH MAIN STREET PIER PILE BATTER DETAIL

BENT	PILE	TOP (Y)	TOP (X)	TOP ELEV	BOT (Y)	BOT (X)	BOT ELEV	DELTA (Y)	DELTA (X)	DELTA Z	LENGTH	DEGREE OF PILE BATTER	QUAD	AZIMUTH
1	1	1778874.6	654005.3	15.5	1778874.3	654005.5	4.7	-0.3	0.3	10.8	11.8	2.07	180	139.21
1	2	1778870.1	654006.7	15.5	1778869.9	654006.8	4.5	-0.2	0.1	11.0	11.9	1.03	180	155.55
1	3	1778865.5	654008.2	15.5	1778865.2	654008.2	4.7	-0.3	0.0	10.8	11.8	1.54	180	172.49
1	4	1778861.6	654009.4	15.5	1778861.3	654009.6	4.4	-0.3	0.1	11.1	11.9	1.62	180	157.13
1	5	1778857.4	654010.8	15.5	1778856.5	654011.0	4.7	-0.9	0.2	10.8	11.8	4.84	180	165.98
1	6	1778855.1	654011.5	15.5	1778854.1	654011.8	4.8	-1.0	0.3	10.7	11.7	5.56	180	164.55
2	1	1778875.4	654021.0	15.3	1778875.8	654020.8	3.9	0.3	-0.2	11.4	12.0	1.90	360	329.69
2	2	1778871.3	654022.6	15.3	1778871.3	654022.8	4.3	0.0	0.2	11.0	11.8	0.79	180	90.38
2	3	1778867.7	654024.1	15.3	1778867.6	654024.0	4.4	-0.1	-0.1	10.9	11.8	0.82	180	216.32
2	4	1778863.6	654025.7	15.3	1778862.8	654026.1	4.2	-0.8	0.4	11.1	11.9	4.42	180	152.05
2	5	1778861.2	654026.7	15.3	1778860.6	654027.1	4.3	-0.5	0.4	11.0	11.8	3.33	180	143.25
3	1	1778881.3	654035.7	15.1	1778882.4	654035.9	3.9	1.1	0.2	11.2	11.9	5.75	0	11.07
3	2	1778878.3	654036.9	15.1	1778878.2	654037.3	3.9	-0.1	0.4	11.1	11.8	1.99	180	99.06
3	3	1778875.5	654038.1	15.1	1778875.5	654038.4	4.1	-0.1	0.3	11.0	11.7	1.58	180	105.32
3	4	1778872.0	654039.5	15.1	1778872.3	654039.5	4.5	0.2	0.0	10.6	11.5	1.33	0	1.99
3	5	1778869.4	654040.6	15.1	1778869.0	654040.8	4.3	-0.5	0.2	10.7	11.6	2.80	180	159.07
3	6	1778866.2	654042.0	15.1	1778865.6	654042.3	4.2	-0.6	0.4	10.9	11.7	3.64	180	149.13
4	1	1778894.2	654068.1	14.9	1778894.5	654068.0	3.3	0.3	-0.1	11.6	12.0	1.58	360	339.30
4	2	1778889.1	654069.9	14.9	1778888.7	654070.1	3.8	-0.4	0.2	11.1	11.7	2.32	180	152.25
4	3	1778884.1	654071.6	14.9	1778883.6	654071.8	3.8	-0.5	0.2	11.1	11.8	2.55	180	160.96
4	4	1778878.2	654073.7	14.9	1778877.6	654073.9	3.8	-0.6	0.3	11.1	11.7	3.49	180	156.92
5	1	1778901.0	654080.0	15.1	1778901.8	654079.1	3.4	0.9	-0.9	11.7	12.2	6.03	360	313.69
5	2	1778896.2	654081.9	15.1	1778895.8	654081.4	3.7	-0.4	-0.5	11.4	12.0	3.12	180	229.64
5	3	1778893.0	654083.1	15.1	1778892.9	654082.7	4.2	-0.2	-0.4	10.9	11.7	2.14	180	244.87
5	4	1778890.2	654084.2	15.1	1778890.0	654084.2	4.2	-0.2	0.0	10.9	11.7	1.01	180	173.75
5	5	1778887.5	654085.3	15.1	1778886.8	654085.4	4.2	-0.7	0.1	10.9	11.7	3.69	180	168.75
5	6	1778883.8	654086.7	15.1	1778883.6	654086.8	4.4	-0.2	0.0	10.8	11.6	1.17	180	167.51
6	1	1778906.0	654095.0	15.1	1778906.2	654094.7	3.5	0.2	-0.4	11.6	12.1	2.07	360	299.25
6	2	1778902.7	654096.2	15.1	1778902.3	654096.0	4.0	-0.4	-0.2	11.1	11.8	2.38	180	207.29
6	3	1778899.5	654097.4	15.1	1778899.2	654097.3	3.8	-0.3	-0.2	11.3	12.0	1.76	180	206.68
6	4	1778896.5	654098.5	15.1	1778896.0	654098.6	4.2	-0.5	0.1	10.9	11.7	2.39	180	173.13
6	5	1778893.9	654099.5	15.1	1778893.2	654099.8	4.4	-0.6	0.3	10.7	11.6	3.57	180	155.53
6	6	1778888.2	654101.6	15.1	1778887.8	654101.9	4.3	-0.4	0.3	10.8	11.6	2.83	180	146.35
7	1	1778914.1	654117.7	14.6	1778914.8	654117.8	3.2	0.7	0.1	11.5	11.9	3.56	0	6.15
7	2	1778910.6	654119.2	14.6	1778910.7	654119.4	3.2	0.1	0.2	11.4	11.8	0.95	0	74.36
7	3	1778905.6	654121.3	14.6	1778905.8	654121.5	3.1	0.1	0.2	11.5	11.9	1.30	0	57.95
7	4	1778901.9	654122.9	14.6	1778901.9	654123.0	3.2	0.0	0.1	11.4	11.8	0.61	180	92.84
7	5	1778897.3	654124.9	14.6	1778896.1	654125.5	3.2	-1.2	0.6	11.4	11.9	6.74	180	152.66
8	1	1778922.3	654140.6	15.2	1778923.0	654139.9	2.8	0.8	-0.7	12.3	12.7	4.91	360	317.97
8	2	1778919.3	654141.6	15.2	1778919.6	654141.2	2.7	0.2	-0.4	12.4	12.7	2.22	360	298.87
8	3	1778916.1	654142.7	15.2	1778916.3	654142.5	2.7	0.2	-0.3	12.4	12.7	1.53	360	306.79
8	4	1778913.1	654143.8	15.2	1778913.1	654143.3	2.7	0.0	-0.5	12.4	12.7	2.21	180	268.93
8	5	1778910.3	654144.8	15.2	1778910.0	654144.7	2.8	-0.2	0.0	12.4	12.7	1.08	180	191.43
9	1	1778928.2	654155.6	15.2	1778928.5	654154.8	2.5	0.3	-0.8	12.7	12.9	3.96	360	288.49
9	2	1778924.4	654157.1	15.2	1778924.3	654156.4	2.6	-0.1	-0.6	12.6	12.9	2.86	180	258.55
9	3	1778920.7	654158.4	15.2	1778920.6	654158.0	2.6	-0.1	-0.4	12.6	12.8	2.06	180	251.60
9	4	1778916.3	654160.1	15.2	1778916.0	654159.7	2.8	-0.2	-0.4	12.5	12.8	2.16	180	238.33
10	1	1778934.3	654170.0	15.2	1778934.7	654169.8	2.4	0.4	-0.2	12.8	13.1	2.06	360	332.33
10	2	1778930.8	654171.7	15.2	1778930.5	654171.6	2.4	-0.3	-0.1	12.9	13.1	1.25	180	191.45
10	3	1778926.8	654173.6	15.2	1778926.4	654173.4	2.4	-0.4	-0.2	12.9	13.1	1.80	180	204.09
10	4	1778923.1	654175.3	15.3	1778922.6	654175.1	2.3	-0.5	-0.2	13.0	13.3	2.31	180	205.21
11	1	1778940.2	654184.1	15.2	1778940.9	654184.0	2.2	0.7	-0.1	13.0	13.2	3.12	360	351.24
11	2	1778936.7	654185.6	15.2	1778936.8	654185.7	2.1	0.1	0.1	13.1	13.3	0.83	0	41.09
11	3	1778932.2	654187.5	15.3	1778932.3	654187.9	2.1	0.1	0.3	13.2	13.3	1.53	0	78.36
11	4	1778927.9	654189.4	15.3	1778928.2	654189.4	2.1	0.3	0.0	13.2	13.4	1.30	0	1.07
12	1	1778946.3	654199.5	15.2	1778947.3	654199.0	1.9	0.9	-0.6	13.4	13.5	4.73	360	328.58
12	2	1778942.7	654200.7	15.2	1778943.1	654200.6	1.8	0.4	-0.2	13.4	13.5	1.82	360	333.59
12	3	1778938.2	654202.3	15.2	1778938.7	654202.1	1.9	0.5	-0.2	13.3	13.5	2.22	360	340.07
12	4	1778933.8	654203.8	15.2	1778933.5	654203.7	1.9	-0.3	0.0	13.3	13.5	1.50	180	187.37
13	1	1778952.5	654213.9	15.2	1778953.1	654213.0	1.5	0.6	-0.9	13.7	13.8	4.54	360	306.03
13	2	1778949.1	654215.1	15.2	1778948.9	654215.0	1.4	-0.2	-0.2	13.8	13.8	1.12	180	217.88
13	3	1778944.6	654216.8	15.2	1778944.4	654216.5	1.4	-0.2	-0.3	13.8	13.9	1.41	180	227.78
13	4	1778939.6	654218.6	15.2	1778939.0	654218.9	1.5	-0.6	0.3	13.7	13.8	3.03	180	152.39
14	1	1778958.2	654229.3	15.3	1778958.9	654228.5	0.9	0.7	-0.8	14.4	14.4	4.20	360	309.09
14	2	1778954.9	654230.6	15.3	1778954.5	654230.6	0.9	-0.4	0.0	14.5	14.5	1.61	180	174.13
14	3	1778950.8	654232.2	15.3	1778950.1	654232.2	0.9	-0.6	-0.1	14.4	14.4	2.50	180	184.94
14	4	1778946.8	654233.8	15.3	1778945.6	654233.8	1.0	-1.3	0.0	14.3	14.4	5.14	180	179.55
15	1	1778964.4	654244.3	15.3	1778965.0	654243.4	0.4	0.6	-0.9	14.9	14.9	4.15	360	303.39
15	2	1778961.2	654245.6	15.3	1778961.4	654245.2	0.5	0.2	-0.4	14.9	14.9	1.79	360	301.61
15	3	1778956.5	654247.4	15.3	1778956.6	654247.3	0.9	0.1	-0.2	14.4	14.5	0.67	360	292.57
15	4	1778952.7	654248.9	15.3	1778952.5	654248.9	0.6	-0.1	0.0	14.8	14.8	0.58	180	194.41
16	1	1778969.2	654259.7	14.8	1778970.6	654259.9	0.3	1.5	0.2	14.5	14.5	5.83	0	7.64
16	2	1778966.3	654261.1	15.2	1778967.5	654261.9	0.3	1.2	0.8	14.9	14.9	5.60	0	32.34
16	3	1778962.8	654262.7	15.0	1778963.6	654262.8	0.4	0.8	0.1	14.6	14.7	3.31	0	7.13
16	4	1778960.9	654264.1	15.0	1778960.7	654265.4	0.4	-0.3	1.3	14.6	14.6	5.08	180	101.59
16.5	1	1778978.5	654264.5	14.4	1778979.7	654265.5	0.1	1.2	0.9	14.2	14.3	6.01	0	39.17
16.2	2	1778974.0	654265.9	15.2	1778974.6	654267.1	0.1	0.6	1.2	15.0	15.1	5.10	0	63.00
17	1	1778976.0	654274.1	14.8	1778978.0	654274.2	-0.1	2.1	0.1	14.9	15.1	7.89	0	2.13
17	2	1778972.3	654275.9	14.7	1778973.3	654275.8	-0.1	0.9	-0.1	14.7	14.7	3.57	360	353.18
17	3	1778968.2	654277.8	14.6	1778969.7	654277.3	0.0	1.5	-0.5	14.6	14.7	6.20	360	340.49
17	4	1778965.6	654278.8	14.6	1778964.3	654278.6	0.1	-1.3	-0.1	14.6	14.6	5.19	180	185.97
17.5	1	1778986.3	654278.9	15.0	1778987.5	654277.5	-0.1	1.2	-1.4	15.1	15.1	7.00	360	312.07
17.5	2	1778980.3	654281.4	15.0	1778980.4	654281.1	-0.3	0.1	-0.3	15.3	15.3	1.23	360	289.76

CITY OF DAYTONA BEACH MAIN STREET PIER PILE BATTER DETAIL

BENT	PILE	TOP (Y)	TOP (X)	TOP ELEV	BOT (Y)	BOT (X)	BOT ELEV	DELTA (Y)	DELTA (X)	DELTA Z	LENGTH	DEGREE OF PILE BATTER	QUAD	AZIMUTH
18	1	1778980.9	654289.9	15.0	1778980.9	654288.1	-1.6	0.0	-1.8	16.6	16.7	6.19	180	268.89
18	2	1778977.6	654291.1	14.8	1778977.7	654289.7	-1.5	0.1	-1.4	16.3	16.3	4.93	360	274.38
18	3	1778973.4	654292.8	14.8	1778972.1	654291.5	-1.3	-1.3	-1.3	16.1	16.2	6.57	180	223.71
18	4	1778970.1	654294.5	15.0	1778968.4	654293.5	-1.1	-1.7	-1.0	16.1	16.2	6.87	180	210.74
18	5	1778961.3	654297.9	14.9	1778960.2	654298.0	-1.7	-1.1	0.1	16.6	16.7	3.82	180	176.94
18	6	1778952.4	654301.9	14.9	1778951.8	654301.7	-1.2	-0.7	-0.2	16.1	16.2	2.51	180	197.48
18	7	1778944.0	654305.1	14.6	1778943.0	654305.2	-1.0	-0.9	0.1	15.6	15.6	3.35	180	176.86
18	8	1778934.7	654309.0	15.0	1778933.9	654308.7	-0.7	-0.8	-0.3	15.7	15.7	3.03	180	201.34
18	9	1778926.9	654312.8	15.0	1778925.4	654312.5	-0.8	-1.6	-0.3	15.8	15.9	5.70	180	189.94
18	10	1778917.9	654316.4	15.0	1778917.3	654316.1	-0.8	-0.5	-0.3	15.8	15.8	2.20	180	209.39
18	11	1778909.0	654319.9	15.0	1778908.5	654319.6	-0.7	-0.4	-0.3	15.7	15.7	1.93	180	212.76
18	12	1778899.8	654322.7	14.8	1778899.8	654321.1	-0.7	0.0	-1.6	15.5	15.5	6.02	180	269.86
19	-1	1778996.4	654292.5	15.0	1778997.0	654291.5	-1.2	0.6	-1.1	16.2	16.3	4.34	360	298.98
19	0	1778991.7	654294.4	15.3	1778991.3	654293.8	-1.4	-0.4	-0.6	16.7	16.7	2.67	180	236.13
19	1	1778986.8	654296.3	15.0	1778985.5	654296.3	-2.0	-1.3	0.0	17.1	17.2	4.26	180	179.55
19	4	1778973.4	654300.7	15.0	1778971.6	654301.6	-2.1	-1.8	0.9	17.1	17.3	6.55	180	153.99
19	5	1778964.3	654306.0	14.7	1778963.4	654305.6	-1.1	-0.9	-0.5	15.8	15.8	3.80	180	207.01
19	6	1778955.7	654309.7	14.8	1778955.5	654310.0	-1.5	-0.2	0.4	16.3	16.4	1.45	180	121.73
19	7	1778947.4	654312.6	15.0	1778947.7	654312.5	-1.2	0.4	-0.1	16.3	16.3	1.31	360	342.94
19	8	1778937.9	654316.4	15.0	1778936.6	654315.7	-1.3	-1.3	-0.7	16.3	16.4	5.24	180	208.13
19	9	1778930.1	654320.3	14.9	1778931.5	654320.3	-1.3	1.3	-0.1	16.2	16.3	4.71	360	356.60
19	10	1778921.0	654323.7	14.9	1778922.3	654322.9	-0.8	1.3	-0.8	15.7	15.7	5.71	360	328.26
19	11	1778911.8	654327.1	14.9	1778910.4	654325.9	-1.0	-1.4	-1.2	15.9	16.0	6.58	180	220.75
19	12	1778902.8	654330.4	14.8	1778902.3	654328.9	-0.9	-0.6	-1.6	15.7	15.7	6.06	180	249.39
20	1	1778987.7	654304.8	15.0	1778988.5	654303.6	-1.8	0.8	-1.2	16.8	16.9	4.94	360	303.59
20	2	1778983.9	654306.3	15.0	1778983.9	654305.4	-1.5	0.0	-0.9	16.5	16.6	3.13	360	271.78
20	3	1778979.6	654308.0	15.1	1778979.1	654307.9	-1.6	-0.5	0.0	16.6	16.7	1.63	180	184.00
20	4	1778976.6	654309.3	14.6	1778974.6	654309.7	-2.0	-2.0	0.4	16.6	16.8	6.98	180	167.46
20	5	1778967.0	654313.4	14.7	1778966.5	654312.7	-2.0	-0.5	-0.7	16.7	16.8	3.01	180	234.83
20	6	1778958.9	654316.6	14.9	1778958.3	654317.2	-1.5	-0.6	0.6	16.4	16.5	2.97	180	137.98
20	7	1778948.6	654320.3	15.5	1778948.7	654320.6	-1.2	0.0	0.3	16.7	16.7	1.15	0	82.28
20	8	1778941.0	654323.9	14.5	1778940.9	654323.6	-1.0	-0.1	-0.3	15.5	15.6	1.08	180	251.07
20	9	1778933.0	654327.9	14.9	1778934.2	654327.1	-1.4	1.2	-0.8	16.3	16.4	5.11	360	325.43
20	10	1778922.8	654331.8	15.0	1778923.1	654331.0	-1.4	0.4	-0.8	16.4	16.5	3.18	360	294.12
20	11	1778914.2	654334.8	15.0	1778914.1	654334.2	-1.4	-0.1	-0.6	16.5	16.5	2.19	180	257.44
20	12	1778905.7	654337.8	14.8	1778904.8	654336.4	-1.3	-0.9	-1.3	16.2	16.2	5.71	180	236.10
21	-1	1779002.2	654307.7	15.0	1779003.1	654307.0	-1.5	1.0	-0.7	16.5	16.6	4.22	360	323.31
21	0	1778997.8	654309.3	15.1	1778997.5	654309.5	-1.4	-0.2	0.2	16.4	16.5	1.11	180	140.58
21	1	1778992.6	654311.3	15.0	1778990.7	654311.8	-2.0	-1.9	0.4	17.1	17.3	6.40	180	167.39
21	12	1778908.7	654345.4	15.0	1778908.3	654343.8	-1.5	-0.4	-1.7	16.5	16.6	6.02	180	255.57
22	1	1778993.6	654320.3	15.1	1778994.2	654319.1	-2.0	0.7	-1.1	17.1	17.2	4.42	360	301.24
22	2	1778991.0	654321.2	14.9	1778990.4	654320.5	-2.0	-0.6	-0.7	16.9	17.0	3.14	180	227.67
22	3	1778986.0	654323.0	14.9	1778985.8	654322.2	-2.0	-0.2	-0.8	16.9	17.0	2.75	180	252.81
22	4	1778982.6	654324.3	14.9	1778981.4	654323.8	-2.2	-1.2	-0.5	17.1	17.3	4.28	180	205.00
22	5	1778973.1	654327.1	14.8	1778973.1	654327.1	-2.3	0.0	-0.1	17.1	17.3	0.21	180	267.23
22	6	1778964.5	654331.0	14.9	1778964.0	654330.5	-2.3	-0.5	-0.4	17.2	17.3	2.10	180	223.65
22	7	1778956.1	654334.5	14.8	1778955.5	654334.2	-1.9	-0.6	-0.3	16.7	16.8	2.30	180	208.36
22	8	1778946.8	654338.1	14.5	1778946.6	654338.1	-1.6	-0.2	0.0	16.1	16.2	0.83	180	191.07
22	9	1778938.1	654342.1	14.7	1778938.0	654341.6	-1.6	-0.1	-0.5	16.3	16.4	1.87	180	258.60
22	10	1778929.0	654345.5	14.8	1778928.9	654345.5	-1.3	-0.1	0.0	16.1	16.1	0.45	180	176.53
22	11	1778920.5	654349.5	14.9	1778920.5	654348.3	-1.9	-0.1	-1.2	16.8	16.9	4.23	180	267.69
22	12	1778911.7	654352.2	14.9	1778911.6	654352.2	-1.1	-0.1	0.1	16.1	16.1	0.50	180	150.87
23	-1	1779007.7	654322.6	15.0	1779008.9	654321.6	-1.5	1.2	-1.0	16.6	16.7	5.25	360	319.51
23	0	1779003.5	654324.4	15.0	1779003.7	654324.7	-1.7	0.2	0.3	16.7	16.8	1.15	0	63.04
23	1	1778998.5	654325.5	15.0	1778997.6	654326.4	-2.0	-0.8	0.8	17.0	17.1	3.95	180	133.72
23	4	1778984.1	654331.9	14.9	1778983.8	654332.2	-1.9	-0.4	0.4	16.8	16.9	1.83	180	136.20
23	5	1778977.1	654335.1	14.9	1778976.7	654334.3	-2.2	-0.4	-0.8	17.2	17.3	2.97	180	243.15
23	6	1778968.0	654338.5	14.8	1778967.3	654338.3	-2.5	-0.7	-0.2	17.4	17.6	2.38	180	193.61
23	7	1778959.2	654342.0	15.0	1778958.7	654341.6	-1.7	-0.5	-0.4	16.7	16.8	2.15	180	216.76
23	8	1778950.2	654345.6	14.5	1778949.9	654345.6	-1.5	-0.3	0.0	16.1	16.1	1.14	180	178.74
23	9	1778941.4	654349.6	14.8	1778941.1	654349.1	-1.4	-0.3	-0.4	16.2	16.3	1.75	180	239.77
23	10	1778932.6	654353.1	15.0	1778932.4	654352.5	-1.4	-0.2	-0.6	16.5	16.5	2.34	180	253.18
23	11	1778923.9	654356.7	15.0	1778923.8	654356.4	-1.3	-0.1	-0.3	16.3	16.3	1.07	180	250.37
23	12	1778915.2	654359.9	14.8	1778915.1	654359.8	-1.2	-0.1	0.0	16.0	16.0	0.44	180	188.39
24	1	1778999.4	654333.9	15.0	1779000.0	654333.0	-1.9	0.6	-0.8	16.9	17.0	3.49	360	305.17
24	2	1778996.7	654335.0	15.0	1778996.5	654334.8	-1.9	-0.2	-0.2	16.9	17.0	0.90	180	232.03
24	3	1778992.7	654337.3	15.0	1778992.0	654337.0	-2.0	-0.7	-0.3	17.0	17.1	2.48	180	204.16
24	4	1778988.0	654339.1	15.0	1778987.2	654339.3	-2.1	-0.8	0.1	17.2	17.3	2.59	180	170.21
24	5	1778979.8	654343.4	14.9	1778979.7	654342.5	-2.6	0.0	-1.0	17.6	17.8	3.12	180	267.42
24	6	1778969.6	654347.6	14.5	1778968.9	654347.2	-3.0	-0.6	-0.4	17.4	17.7	2.48	180	210.95
24	7	1778962.7	654350.3	14.7	1778962.1	654349.8	-2.5	-0.7	-0.5	17.2	17.4	2.70	180	216.26
24	8	1778953.8	654354.0	14.7	1778953.4	654353.4	-1.7	-0.4	-0.6	16.4	16.5	2.61	180	233.27
24	9	1778945.2	654357.7	14.6	1778944.5	654356.8	-1.5	-0.6	-0.9	16.2	16.3	3.91	180	234.21
24	10	1778936.4	654361.4	14.9	1778935.2	654360.3	-1.4	-1.2	-1.1	16.3	16.4	5.69	180	223.18
24	11	1778927.4	654364.7	14.8	1778927.3	654364.3	-1.5	-0.2	-0.4	16.3	16.4	1.46	180	247.61
24	12	1778918.4	654368.0	15.0	1778918.0	654368.0	-1.2	-0.4	0.1	16.2	16.2	1.35	180	170.49
25	-1	1779013.5	654338.0	15.0	1779015.1	654336.8	-2.0	1.6	-1.2	17.0	17.2	6.85	360	323.78
25	0	1779009.9	654339.3	14.7	1779009.7	654338.9	-1.8	-0.2	-0.4	16.5	16.6	1.51	180	246.02
25	1	1779004.9	654340.7	15.0	1779001.5	654341.8	-1.7	-3.3	1.1	16.7	17.1	11.85	180	161.98
25	4	1778989.9	654346.7	15.0	1778989.7	654346.9	-1.6	-0.2	0.2	16.6	16.7	0.94	180	127.08
25	5	1778982.5	654350.3	14.9	1778982.3	654350.0	-2.6	-0.2	-0.3	17.6	17.8	1.19	180	236.00
25	6	1778974.1	654353.6	14.7	1778972.9	654353.3	-2.9	-1.1	-0.4	17.6	17.8	3.87	180	197.64
25	7	1778965.3	654357.2	14.7	1778964.7	654356.6	-1.9	-0.7	-0.6	16.6	16.7	3.06	180	220.92
25	8	1778956.4	654360.9	15.0	1778956.5	654360.6	-1.7	0.0	-0.3	16.7	16.8	0.89	360	279.96
25	9	1778948.2	654364.4	14.6	1778948.1	654364.1	-1.9	-0.1	-0.3	16.5	16.6	0.99	180	245.51
25	10	1778939.4	654368.0	15.0	1778938.2	654368.3	-1.6	-1.2	0.3	16.6	16.7	4.15	180	164.34
25	11	1778930.6	654371.9	15.0	1778929.6	654371.8	-1.5	-1.1	-0.1	16.5	16.6	3.66	180	183.71
25	12	1778921.1	654375.5	14.9	1778920.5	654375.8	-1.3	-0.6	0.2	16.2	16.3	2.34	180	158.09
SW	1	1778898.9	654325.3	13.8	1778897.5	654325.7	-1.0	-1.4	0.4	14.8	14.9	5.61	180	165.54
SW	2	1778901.0	654330.4	13.8	1778899.7	654330.2	-1.0	-1.3	-0.2	14.8	14.9	4.99	180	188.11
SW	3	1778904.5	654339.3	13.7	1778903.3	654339.7	-1.5	-1.2	0.3	15.2	15.3	4.78	180	164.46

NOTE: PILE LENGTH IS THE EXPOSED PORTION OF PILE, AS MEASURED ABOVE THE SAND INTERFACE TO THE PILE BENT. AZIMUTHS ARE GRID RECKONED CLOCKWISE FROM NORTH, QUAD COLUMN IS SOLELY FOR PURPOSE OF CALCULATING AZIMUTH.

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY MAIN STREET PIER CITY OF DAYTONA BEACH, FL

SHEET TITLE:
PILE DATA TABULATION

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELLVUE AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:
SEA DIVERSIFIED, INC.
Surveying & Engineering Applications
151 NW 1ST AVENUE
DELRAY BEACH, FLORIDA 33444
TEL: (561) 243-4920 FAX: (561) 243-4957
WWW.SEADIVERSIFIED.COM

DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN

SHEET:
T-1

CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675

CITY OF DAYTONA BEACH MAIN STREET PIER PILE BATTER DETAIL

BENT	PILE	TOP (Y)	TOP (X)	TOP ELEV	BOT (Y)	BOT (X)	BOT ELEV	DELTA (Y)	DELTA (X)	DELTA Z	LENGTH	DEGREE OF PILE BATTER	QUAD	AZIMUTH
26	1	1779002.6	654351.5	15.0	1779002.4	654350.5	-2.1	-0.2	-1.0	17.1	17.2	3.3674	180	257.0011
26	2	1778998.5	654353.1	14.8	1778998.0	654352.3	-2.0	-0.4	-0.8	16.8	16.9	2.9695	180	240.1980
26	3	1778994.2	654354.0	14.9	1778992.8	654354.8	-2.2	-1.4	0.8	17.1	17.3	5.3170	180	150.8894
26	4	1778985.8	654357.6	14.8	1778985.1	654357.3	-2.5	-0.7	-0.3	17.3	17.5	2.3849	180	203.0109
26	5	1778976.0	654361.7	14.7	1778976.2	654360.4	-2.9	0.2	-1.3	17.6	17.9	4.3578	360	278.7267
26	6	1778968.2	654364.7	14.8	1778967.3	654364.2	-2.3	-0.9	-0.5	17.0	17.2	3.5570	180	208.5500
26	7	1778959.2	654368.4	14.8	1778959.2	654367.0	-2.0	0.0	-1.3	16.8	17.0	4.5764	180	269.7025
26	8	1778950.6	654372.3	15.0	1778951.3	654371.3	-2.0	0.7	-1.0	16.9	17.1	4.1774	360	305.1695
26	9	1778941.5	654375.6	15.0	1778940.7	654375.0	-1.8	-0.8	-0.6	16.7	16.9	3.4172	180	215.9873
26	10	1778932.8	654379.1	15.0	1778932.1	654379.1	-1.7	-0.6	0.0	16.7	16.8	2.0753	180	176.6891
26	11	1778924.5	654382.9	15.0	1778923.3	654382.3	-1.5	-1.1	-0.6	16.5	16.6	4.4330	180	207.2855
26	12	1779006.5	654349.9	14.8	1779006.9	654348.6	-2.1	0.5	-1.4	16.9	17.0	4.8992	360	288.7454
27	-1	1779018.2	654352.9	15.0	1779022.0	654352.2	-2.0	3.8	-0.7	17.0	17.5	12.9894	360	349.5197
27	0	1779015.9	654354.0	15.0	1779015.6	654354.6	-2.1	-0.3	0.6	17.1	17.2	2.2144	180	120.2939
27	1	1779011.0	654356.2	15.0	1779010.1	654356.8	-2.5	-1.0	0.6	17.5	17.7	3.7587	180	147.7355
27	4	1778996.4	654363.0	14.9	1778996.0	654362.7	-2.2	-0.5	-0.3	17.1	17.3	1.8738	180	212.2984
27	5	1778989.5	654365.7	14.8	1778988.7	654365.5	-3.3	-0.8	-0.2	18.0	18.3	2.6195	180	194.9807
27	6	1778980.5	654368.9	15.0	1778980.0	654368.4	-3.6	-0.4	-0.5	18.6	19.0	2.0133	180	226.7357
27	7	1778975.8	654370.8	14.8	1778975.6	654370.6	-2.7	-0.2	-0.3	17.5	17.7	1.0491	180	233.1301
27	8	1778962.8	654375.7	14.9	1778961.7	654374.9	-1.8	-1.1	-0.8	16.7	16.8	4.6690	180	214.5994
27	9	1778953.7	654379.2	14.7	1778953.8	654378.2	-2.0	0.1	-0.9	16.7	16.8	3.2328	360	276.3201
27	10	1778945.1	654382.7	15.1	1778945.1	654382.2	-1.8	0.1	-0.5	16.9	17.0	1.6498	360	276.4698
27	11	1778936.3	654386.1	15.1	1778936.4	654386.0	-1.8	0.1	-0.2	16.9	17.0	0.6607	360	296.8279
27	12	1778927.4	654389.6	15.0	1778927.5	654389.5	-2.0	0.0	-0.1	17.0	17.1	0.4686	360	283.3351
28	1	1779012.1	654365.0	15.0	1779012.9	654364.1	-2.1	0.8	-0.9	17.1	17.3	3.8447	360	311.0500
28	2	1779008.9	654366.6	15.0	1779008.3	654365.6	-2.2	-0.6	-1.0	17.2	17.4	3.8146	180	235.8536
28	3	1779005.0	654368.0	14.8	1779004.9	654367.7	-2.2	-0.1	-0.3	17.0	17.1	1.1832	180	257.8254
28	4	1779000.2	654369.2	14.7	1778998.4	654369.5	-2.4	-1.8	0.3	17.1	17.4	5.9853	180	170.3958
28	5	1778991.7	654372.8	15.0	1778991.5	654372.0	-3.8	-0.2	-0.9	18.8	19.2	2.6792	180	259.3803
28	6	1778983.3	654376.3	14.7	1778982.9	654376.2	-3.2	-0.4	-0.1	17.9	18.2	1.2629	180	192.1353
28	8	1778966.2	654383.5	14.8	1778965.4	654382.6	-2.2	-0.8	-0.9	16.9	17.1	3.9406	180	228.3379
28	9	1778957.1	654386.4	14.6	1778956.1	654386.4	-1.8	-1.0	-0.1	16.4	16.6	3.5234	180	184.3640
28	10	1778948.3	654390.4	14.9	1778947.2	654390.2	-2.2	-1.2	-0.2	17.1	17.3	3.9227	180	188.9320
28	11	1778939.0	654394.6	15.1	1778939.5	654393.9	-2.0	0.5	-0.7	17.0	17.2	2.7752	360	305.3442
28	12	1778930.6	654397.4	15.1	1778929.4	654397.0	-1.0	-1.2	-0.4	16.0	16.1	4.5823	180	198.7873
29	-1	1779026.3	654368.0	15.3	1779025.3	654367.4	-2.1	-1.0	-0.6	17.4	17.6	3.8241	180	209.0115
29	0	1779020.0	654369.8	15.0	1779020.3	654369.9	-2.2	0.3	0.1	17.2	17.4	1.2000	0	15.5750
29	1	1779016.1	654371.3	15.0	1779015.4	654371.5	-2.3	-0.7	0.2	17.3	17.4	2.4827	180	166.7244
29	5	1778995.0	654379.4	15.0	1778994.2	654379.1	-3.4	-0.8	-0.3	18.4	18.7	2.6704	180	197.8007
29	6	1778986.2	654383.3	15.0	1778985.7	654382.7	-2.9	-0.5	-0.6	18.0	18.2	2.4672	180	233.0857
29	7	1778977.3	654386.6	15.0	1778977.0	654386.2	-2.4	-0.3	-0.5	17.4	17.5	1.8647	180	234.1441
29	8	1778968.5	654390.3	14.9	1778968.1	654388.9	-2.3	-0.3	-1.3	17.2	17.3	4.5257	180	255.5244
29	9	1778959.4	654393.8	15.1	1778959.0	654393.3	-2.2	-0.5	-0.5	17.2	17.4	2.3374	180	228.7451
29	10	1778950.2	654397.0	14.9	1778950.2	654396.4	-2.3	-0.1	-0.6	17.1	17.3	2.0057	180	264.7451
29	11	1778941.8	654400.7	14.8	1778941.3	654400.2	-2.2	-0.5	-0.6	17.0	17.2	2.5895	180	227.1601
29	12	1778933.2	654404.3	15.0	1778931.8	654403.3	-2.0	-1.4	-0.9	17.0	17.2	5.7310	180	213.1407
30	1	1779018.2	654381.0	14.4	1779018.8	654379.3	-2.4	0.6	-1.8	16.8	16.9	6.3246	360	288.7664
30	2	1779014.3	654381.9	15.0	1779014.6	654380.6	-2.5	0.2	-1.3	17.5	17.6	4.3348	360	280.8430
30	3	1779010.8	654382.9	15.0	1779010.4	654382.9	-2.6	-0.4	0.0	17.6	17.8	1.3130	180	177.0171
30	4	1779003.2	654385.4	14.8	1779002.1	654384.6	-3.4	-1.1	-0.8	18.2	18.5	4.2749	180	218.4557
30	5	1778997.6	654387.1	14.6	1778997.2	654387.0	-3.2	-0.4	-0.1	17.9	18.2	1.2665	180	193.4732
30	6	1778991.5	654389.6	14.9	1778990.7	654389.1	-2.9	-0.8	-0.5	17.8	18.0	2.9697	180	209.7603
30	7	1778978.4	654394.7	15.0	1778978.4	654394.2	-2.4	0.1	-0.5	17.4	17.6	1.6941	360	276.1313
30	8	1778969.0	654398.5	14.8	1778968.9	654397.7	-2.2	-0.1	-0.7	17.0	17.1	2.4973	180	262.0013
30	9	1778961.1	654402.2	14.8	1778961.4	654401.7	-2.2	0.4	-0.5	17.0	17.2	2.0909	360	306.7593
30	10	1778956.5	654403.9	14.8	1778955.9	654403.4	-2.4	-0.6	-0.5	17.2	17.4	2.6064	180	218.3627
30	11	1778945.5	654408.8	15.0	1778944.5	654407.9	-2.2	-0.9	-0.9	17.2	17.4	4.4103	180	224.3288
30	12	1778936.6	654412.3	14.9	1778935.9	654411.4	-2.6	-0.7	-0.9	17.5	17.7	3.6590	180	230.1222
31	-1	1779032.2	654382.7	15.0	1779033.1	654382.4	-3.1	0.8	-0.3	18.1	18.4	2.7866	360	341.9758
31	0	1779030.1	654383.2	14.7	1779030.1	654383.0	-3.0	0.0	-0.2	17.6	17.9	0.6374	180	256.7428
31	1	1779022.9	654385.9	14.7	1779023.1	654385.4	-2.8	0.2	-0.5	17.5	17.7	1.6636	360	296.1616
31	4	1779009.8	654391.2	14.7	1779010.2	654391.0	-3.5	0.4	-0.2	18.2	18.5	1.3361	360	330.4730
31	5	1779002.5	654394.1	14.7	1779002.0	654394.8	-2.7	-0.5	0.7	17.3	17.6	2.9418	180	126.0983
31	6	1778994.4	654397.5	14.5	1778994.2	654396.4	-3.1	-0.2	-1.1	17.6	17.9	3.7126	180	259.1618
31	7	1778983.1	654402.2	15.0	1778982.7	654401.7	-2.2	-0.4	-0.5	17.2	17.4	2.2367	180	231.6325
31	8	1778975.0	654405.2	14.8	1778973.8	654405.3	-2.1	-1.2	0.2	17.0	17.1	3.9943	180	171.8904
31	9	1778965.2	654409.0	15.0	1778965.8	654408.8	-2.1	0.6	-0.2	17.1	17.2	2.0076	360	337.3801
31	10	1778960.0	654411.2	14.7	1778960.3	654411.2	-2.2	0.4	0.0	16.9	17.1	1.2716	360	357.5569
31	11	1778948.1	654415.8	14.9	1778948.3	654416.0	-2.4	0.3	0.1	17.3	17.5	1.0039	0	29.0179
31	12	1778940.2	654419.5	15.0	1778939.9	654419.3	-2.4	-0.3	-0.3	17.4	17.6	1.2049	180	223.2308
32	1	1779024.7	654395.1	14.7	1779025.1	654392.4	-2.7	0.4	-2.7	17.4	17.6	8.8876	360	278.8404
32	2	1779020.5	654396.9	15.0	1779019.5	654396.1	-3.2	-1.0	-0.8	18.1	18.4	4.0216	180	219.3907
32	3	1779015.7	654398.8	14.7	1779013.0	654398.1	-2.8	-2.7	-0.7	17.5	17.9	9.0395	180	194.0262
32	4	1779012.6	654400.1	15.0	1779010.7	654399.1	-3.4	-2.0	-1.0	18.4	18.8	6.8555	180	207.0531
32	5	1779004.2	654403.4	14.8	1779004.4	654403.8	-2.9	0.1	0.4	17.7	18.0	1.2983	0	68.4102
32	6	1778995.7	654407.0	15.1	1778994.9	654406.6	-2.8	-0.7	-0.4	17.9	18.1	2.6571	180	210.1819
32	7	1778986.8	654410.4	15.0	1778986.4	654410.0	-2.6	-0.4	-0.4	17.6	17.8	1.8628	180	227.3359
32	8	1778979.5	654413.2	14.9	1778977.5	654412.0	-2.5	-2.0	-1.2	17.4	17.7	7.5486	180	211.2751
32	9	1778969.1	654417.3	15.0	1778969.3	654417.2	-2.6	0.2	-0.1	17.6	17.7	0.6225	360	340.7100
32	10	1778960.1	654420.8	15.1	1778960.0	654419.9	-2.7	-0.1	-0.9	17.7	17.9	2.8803	180	261.9426
32	11	1778951.3	654424.1	14.8	1778950.0	654423.2	-2.9	-1.3	-0.9	17.7	18.0	5.1057	180	213.6800
32	12	1778942.6	654427.7	14.9	1778941.4	654426.2	-2.9	-1.2	-1.5	17.9	18.2	6.2124	180	230.8804

CITY OF DAYTONA BEACH MAIN STREET PIER PILE BATTER DETAIL

BENT	PILE	TOP (Y)	TOP (X)	TOP ELEV	BOT (Y)	BOT (X)	BOT ELEV	DELTA (Y)	DELTA (X)	DELTA Z	LENGTH	DEGREE OF PILE BATTER	QUAD	AZIMUTH
33	1	1779030.2	654408.8	14.8	1779031.0	654407.3	-3.8	0.8	-1.5	18.6	19.0	5.22	360	297.79
33	2	1779023.7	654412.1	14.7	1779021.6	654412.7	-3.9	-2.0	0.6	18.6	19.1	6.52	180	163.73
33	3	1779019.3	654413.9	14.7	1779019.2	654413.6	-3.9	-0.1	-0.3	18.5	18.9	1.02	180	253.53
33	4	1779017.9	654414.4	14.6	1779016.9	654414.7	-3.9	-1.0	0.3	18.6	19.0	3.14	180	162.24
34	1	1779034.6	654398.7	15.3	1779035.2	654398.0	-4.0	0.6	-0.7	19.2	19.6	2.73	360	309.25
34	2	1779031.1	654400.2	14.6	1779031.1	654400.0	-4.0	0.0	-0.2	18.6	19.0	0.65	180	267.27
35	1	1779037.2	654424.1	14.8	1779038.6	654422.5	-4.7	1.5	-1.6	19.5	20.1	6.39	360	312.01
35	2	1779035.1	654425.0	14.8	1779035.2	654425.3	-4.8	0.2	0.3	19.5	20.1	1.05	0	59.28
35	3	1779031.7	654426.3	14.7	1779031.7	654425.7	-4.8	-0.1	-0.6	19.5	20.1	1.68	180	262.87
35	4	1779027.0	654427.8	14.7	1779026.7	654427.2	-4.8	-0.3	-0.6	19.5	20.1	2.01	180	242.69
35	5	1779024.6	654428.6	14.8	1779022.7	654429.0	-3.9	-1.9	0.4	18.6	19.1	5.82	180	168.13
36	1	1779040.7	654431.2	14.8	1779042.2	654430.6	-4.7	1.5	-0.6	19.5	20.1	4.77	360	339.37
36	2	1779038.5	654432.5	14.7	1779037.7	654433.4	-4.8	-0.8	0.9	19.5	20.1	3.57	180	131.81
37	1	1779042.3	654439.5	14.8	1779042.6	654437.8	-5.7	0.4	-1.7	20.5	21.3	4.83	360	281.74
37	2	1779041.4	654439.8	14.8	1779041.3	654439.3	-5.7	-0.1	-0.4	20.5	21.3	1.29	180	252.62
37	3	1779036.3	654441.1	14.7	1779037.0	654441.6	-5.8	0.7	0.5	20.5	21.3	2.43	0	37.09
37	4	1779033.6	654441.8	14.7	1779034.0	654442.1	-5.8	0.4	0.3	20.5	21.3	1.46	0	41.44
37	5	1779030.7	654442.9	14.7	1779030.7	654443.9	-5.8	-0.1	1.0	20.6	21.4	2.86	180	93.46
37	6	1779029.0	654443.8	14.6	1779027.4	654444.3	-5.9	-1.5	0.6	20.5	21.4	4.52	180	159.50
38	1	1779047.1	654453.5	14.6	1779048.8	654454.6	-5.1	1.7	1.1	19.7	20.5	5.94	0	32.73
38	2	1779043.2	654455.1	14.6	1779044.2	654455.4	-5.1	1.0	0.3	19.7	20.4	3.06	0	15.37
38	3	1779039.0	654457.1	14.6	1779039.3	654457.8	-5.2	0.3	0.7	19.7	20.4	2.18	0	66.50
38	4	1779035.7	654458.4	14.6	1779033.6	654459.1	-5.2	-2.1	0.7	19.7	20.5	6.39	180	161.08
39	1	1779053.9	654468.9	14.5	1779055.2	654468.4	-6.3	1.3	-0.5	20.8	21.8	3.88	360	339.26
39	2	1779050.6	654470.2	14.6	1779050.9	654470.3	-6.3	0.2	0.1	20.8	21.8	0.73	0	21.52
39	3	1779045.0	654471.4	14.5	1779044.8	654471.8	-6.3	-0.2	0.4	20.8	21.8	1.18	180	116.80
39	4	1779041.2	654472.4	14.5	1779041.1	654472.4	-6.6	-0.2	0.1	21.2	22.2	0.55	180	155.07
40	1	1779059.9	654483.3	14.5	1779061.1	654483.2	-8.1	1.2	-0.2	22.7	24.1	3.13	360	352.82
40	2	1779055.6	654484.9	14.5	1779056.3	654485.5	-7.9	0.8	0.7	22.5	23.8	2.61	0	42.11
40	3	1779051.0	654486.7	14.5	1779051.2	654487.4	-7.7	0.2	0.7	22.2	23.5	1.87	0	73.69
40	4	1779046.7	654487.8	14.4	1779045.3	654488.1	-7.4	-1.4	0.3	21.9	23.1	3.80	180	169.21
41	1	1779066.2	654498.3	14.5	1779067.0	654497.6	-10.6	0.8	-0.7	25.0	27.2	2.38	360	320.31
41	2	1779062.9	654499.8	14.5	1779063.4	654500.5	-10.5	0.4	0.7	25.0	27.1	1.93	0	57.84
41	3	1779058.0	654501.6	14.5	1779058.4	654502.6	-10.4	0.4	1.0	24.9	27.0	2.54	0	68.35
41	4	1779054.7	654502.8	14.5	1779054.8	654503.6	-10.3	0.0	0.7	24.8	26.8	1.71	0	87.36
41	5	1779052.8	654503.7	14.5	1779051.4	654503.8	-10.1	-1.4	0.1	24.6	26.6	3.36	180	176.87
42	1	1779070.1	654513.2	14.7	1779073.9	654512.8	-11.3	3.7	-0.4	26.0	28.6	8.20	360	353.52
42	2	1779066.3	654515.0	14.7	1779066.0	654514.8	-11.3	-0.3	-0.2	26.0	28.4	0.86	180	211.42
42	3	1779062.3	654516.1	14.7	1779062.3	654516.2	-11.3	-0.1	0.1	26.0	28.4	0.36	180	115.93
42	4	1779059.3	654517.3	14.7	1779058.9	654517.0	-11.4	-0.3	-0.3	26.0	28.4	0.95	180	216.13
43	1	1779076.1	654525.2	14.6	1779076.8	654525.0	-10.0	0.6	-0.2	24.6	26.6	1.55	360	346.92
43	2	1779071.3	654527.5	14.7	1779071.4	654527.4	-10.3	0.1	-0.1	25.0	27.1	0.30	360	308.80
43	3	1779067.2	654528.6	14.8	1779067.5	654528.8	-10.7	0.3	0.1	25.4	27.6	0.76	0	24.60
43	4	1779064.6	654530.1	14.9	1779062.2	654531.1	-10.9	-2.4	1.0	25.7	28.0	5.70	180	156.33
44	1	1779082.7	654542.6	14.8	1779083.5	654543.0	-11.7	0.7	0.3	26.5	29.0	1.75	0	25.58
44	2	1779078.9	654544.2	14.8	1779078.6	654543.9	-11.0	-0.3	-0.3	25.8	28.1	0.94	180	229.49
44	3	1779073.5	654546.2	14.7	1779074.3	654545.8	-10.4	0.8	-0.3	25.1	27.2	1.97	360	338.90
44	4	1779070.3	654547.5	14.7	1779068.7	654547.9	-9.8	-1.6	0.3	24.5	26.5	3.76	180	168.77
45	1	1779088.8	654557.6	14.8	1779090.4	654556.8	-10.2	1.7	-0.8	25.0	27.1	4.25	360	334.94
45	2	1779085.5	654559.2	14.8	1779086.2	654559.5	-9.5	0.7	0.3	24.3	26.1	1.87	0	23.89
45	3	1779080.2	654561.1	14.8	1779080.7	654562.4	-9.0	0.5	1.3	23.8	25.4	3.35	0	69.07
45	4	1779076.1	654562.8	14.8	1779074.9	654564.2	-8.4	-1.2	1.3	23.2	24.7	4.48	180	133.39
46	1	1779094.2	654572.9	14.7	1779095.4	654573.4	-8.9	1.2	0.5	23.5	25.2	3.09	0	22.23
46	2	1779090.5	654574.0	14.6	1779092.2	654575.5	-8.7	1.7	1.5	23.3	25.0	5.62	0	41.93
46	3	1779086.4	654576.1	14.6	1779084.9	654577.6	-8.4	-1.5	1.5	23.0	24.6	5.15	180	134.51
46	4	1779082.2	654577.5	14.6	1779082.2	654578.7	-8.4	0.0	1.2	23.0	24.5	2.88	0	89.46
47	1	1779100.1	654588.1	14.6	1779100.2	654588.2	-8.4	0.1	0.0	23.0	24.5	0.19	0	26.22
47	2	1779096.7	654589.7	14.6	1779097.0	654589.9	-8.7	0.3	0.2	23.2	24.8	0.84	0	28.45
47	3	1779091.7	654591.9	14.6	1779090.9	654593.2	-8.9	-0.8	1.4	23.5	25.1	3.85	180	119.11
47	4	1779087.9	654593.3	14.6	1779084.8	654595.5	-7.8	-3.2	2.2	22.4	23.9	9.72	180	145.34
48	1	1779105.9	654602.5	14.4	1779107.3	654603.1	-7.1	1.4	0.6	21.5	22.7	4.13	0	24.62
48	2	1779101.6	654604.1	14.5	1779102.5	654604.8	-7.4	1.0	0.7	21.8	23.1	3.19	0	38.02
48	3	1779097.3	654606.0	14.5	1779099.0	654606.3	-7.7	1.7	0.3	22.2	23.5	4.39	0	10.65
48	4	1779093.4	654607.9	14.5	1779092.4	654607.0	-8.0	-1.0	-0.8	22.5	23.9	3.31	180	220.82
49	1	1779111.6	654617.2	14.3	1779113.4	654618.0	-8.1	1.8	0.7	22.4	23.9	5.01	0	21.68
49	2	1779108.2	654618.6	14.3	1779107.6	654617.8	-8.3	-0.6	-0.8	22.6	24.1	2.53	180	233.44
49	3	1779103.4	654620.4	14.3	1779102.2	654622.6	-8.4	-1.2	2.2	22.7	24.3	6.35	180	119.55
49	4	1779099.6	654622.1	14.3	1779097.6	654623.9	-8.5	-2.0	1.8	22.8	24.4	6.79	180	138.38
50	1	1779116.9	654632.3	14.4	1779119.1	654633.1	-8.5	2.2	0.7	22.9	24.6	5.75	0	18.28
50	2	1779111.4	654635.2	14.4	1779111.6	654633.7	-8.0	0.2	-1.5	22.5	23.9	3.84	360	276.67
50	3	1779108.4	654636.3	14.4	1779106.5	654638.6	-8.5	-1.9	2.3	22.9	24.5	7.36	180	129.69
50	4	1779105.0	654637.6	14.5	1779103.7	654640.3	-9.1	-1.2	2.7	23.6	25.3	7.18	180	114.42
51	1	1779122.4	654647.7	14.8	1779124.9	654647.9	-9.8	2.4	0.2	24.6	26.6	5.70	0	5.51
51	2	1779120.8	654648.1	14.8	1779120.7	654647.2	-10.0	-0.1	-0.9	24.8	26.8	2.08	180	265.86
51	3	1779120.0	654648.4	14.8	1779119.8	654647.5	-10.2	-0.2	-0.9	25.1	27.1	2.06	180	257.89
51	4	1779117.5	654649.3	14.8	1779117.7	654648.5	-10.3	0.2	-0.9	25.1	27.2	2.03	360	280.09
51	5	1779115.8	654650.1	14.8	1779115.7	654648.8	-10.5	-0.1	-1.2	25.4	27.5	2.81	180	266.97
51	6	1779112.8	654651.1	14.8	1779112.6	654650.2	-10.7	-0.2	-0.9	25.5	27.6	2.16	180	258.28
51	7	1779111.1	654651.9	14.8	1779110.3	654651.1	-10.9	-0.8	-0.7	25.7	27.9	2.43	180	222.17
51	8	1779109.6	654652.9	14.8	1779108.0	654652.4	-11.4	-1.6	-0.5	26.2	28.7	3.55	180	196.61
52	1	1779129.1	654649.7	14.6	1779129.9	654647.4	-10.7	0.8	-2.3	25.3	27.5	5.39	360	288.85
52	2	1779127.9	654650.3	14.7	1779127.8	654650.3	-8.3	-0.1	0.1	23.0	24.5	0.28	180	151.84
52	3	1779120.8	654652.5	14.8	1779120.8	654652.8	-9.5	0.0	0.3	24.3	26.1	0.83	0	82.67
52	4	1779111.4	654656.4	14.8	1779111.3	654656.2	-10.7	-0.2	-0.2	25.5	27.7	0.54	180	229.37
52	5	1779109.9	654656.9	14.8	1779109.8	654656.8	-10.7	-0.1	-0.1	25.5	27.7	0.39	180	221.37
52	6	1779107.9	654657.2	14.8	1779108.1	654657.4	-10.8	0.2	0.1	25.5	27.7	0.46	0	38.09
52	7	1779105.1	654658.9	14.8	1779104.8	654659.8	-10.7	-0.3	0.9	25.5	27.6	2.14	180	107.90
53	1	1779132.6	654658.6	14.6	1779132.7	654658.6	-9.9	0.1	0.0	24.5	26.4	0.23	360	350.73
53	2	1779131.5	654659.2	14.7	1779131.1	654659.4	-9.8	-0.3	0.2	24.5	26.4	0.92	180	151.74
53	3	1779112.8	654666.7	14.8	1779113.8	654666.3	-11.9	1.0	-0.4	26.7	29.3	2.28	360	339.17
53	4	1779110.9	654667.7	14.8	1779110.1	654667.7	-11.9	-0.7	0.0	26.7	29.3	1.61	180	176.79
54	1	1779138.6	654674.1	14.8	1779139.8	654673.4	-10.2	1.2	-0.6	24.9	26.9	3.22	360	332.47
54	2	1779135.3	654675.2	14.8	1779136.2	654675.3	-9.8	0.9	0.1	24.6	26.5	2.03	0	6.29
54	3	1779133.9	654675.7	14.8	1779134.7	654676.4	-9.7	0.8	0.8	24.5	26.4	2.61	0	45.33
54	4	1779119.2	654680.9	14.8	1779119.3	654680.7	-11.7	0.1	-0.1	26.5	29.0	0.31	360	309.70
54	6	1779114.0	654682.7	15.0	1779113.8	654681.9	-11.6	-0.2	-0.8	26.5	29.0	1.75	180	255.24
SIDEBENT	1	1779016.0	654422.6	14.6	1779015.5	654421.8	-3.9	-0.5	-0.8	18.6	19.0	3.07	180	237.69
SIDEBENT	2	1779017.3	654426.5	14.6	1779017.6	654426.4	-3.9	0.3	-0.1	18.6	19.0	1.01	360	342.61

NOTE: PILE LENGTH IS THE EXPOSED PORTION OF PILE, AS MEASURED ABOVE THE SAND INTERFACE TO THE PILE BENT. AZIMUTHS ARE GRID RECKONED CLOCKWISE FROM NORTH, QUAD COLUMN IS SOLELY FOR PURPOSE OF CALCULATING AZIMUTH.

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROJECT:
SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY MAIN STREET PIER CITY OF DAYTONA BEACH, FL

SHEET TITLE:
PILE DATA TABULATION

PREPARED FOR:
CITY OF DAYTONA BEACH
950 BELLVUE AVENUE
DAYTONA BEACH, FL 32114

PREPARED BY:
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DATE:	DEC. 2018
DRAWN BY:	B.N.W.
CHECKED BY:	R.W.B.
SCALE:	AS SHOWN

SHEET:
T-2

CADD ID:
TOTAL NUMBER OF SHEETS:

SDI P.N. 18-2675