

# ADA DUNE CROSSOVER REPLACEMENT

**CITY OF COCOA BEACH  
SOUTH 7TH STREET COCOA BEACH, FL 32931  
PERMIT SET  
10/01/25**

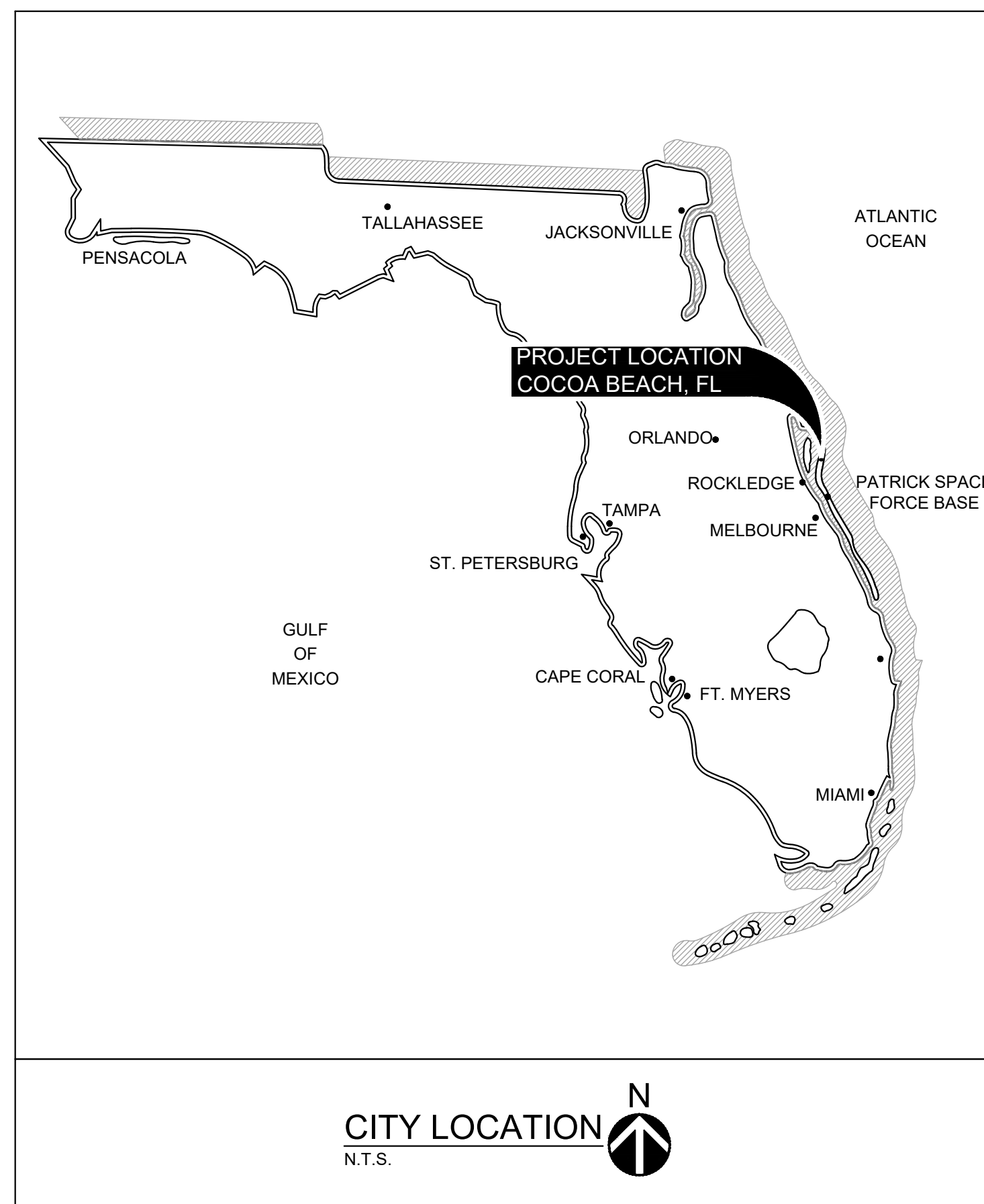
REV	DESCRIPTION	DATE

**ADA DUNE CROSSOVER REPLACEMENT**  
CITY OF COCOA BEACH  
SOUTH 7TH STREET COCOA BEACH, FL 32931  
**COVER SHEET AND INDEX**

**PERMIT SET**  
NOT FOR CONSTRUCTION

CODE # 160221\_002  
DATE 10/01/25  
DRAWN J. JACOBS  
DESIGN K. FINDLATER  
CHECK M. CHARMBURY  
FILE S7\_G-001.dwg

**G-001**  
SHEET 1 OF 6



DRAWING INDEX			
REV	INDEX	DRAWING	DESCRIPTION
	1	G-001	COVER SHEET AND INDEX
	2	S-001	STRUCTURAL ABBREVIATIONS, LEGENDS AND NOTES
	3	S-101	PUBLIC BEACH ACCESS - SITE PLAN
	4	S-102	PUBLIC BEACH ACCESS - ENLARGED SITE PLAN
	5	S-301	PUBLIC BEACH ACCESS SECTION
	6	S-401	PUBLIC BEACH ACCESS - DETAILS

X:\Projects\60221 - City of Cocoa Beach Projects\002\_ADA.DCOR\_7th\Flgier\26\_CAD\1\_60221\_002\Sheets\S7\_G-001.dwg 10/1/2025 10:53:43 AM Printed By: Jared Jacobs

**STRUCTURAL ABBREVIATION LIST**

(SOME MAY NOT BE USED)

A.	ANCHOR	K.	KIP
AB	ANCHOR BOLTS	KO	KNOCK OUT
ACI	AMERICAN CONCRETE INSTITUTE	KWY	KEY WAY
ADDL	ADDITIONAL		
AFF	ABOVE FINISH FLOOR	L.	LENGTH
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LDG	LANDING
AISI	AMERICAN IRON AND STEEL INSTITUTE	LONG	LONGITUDE
AL	ALUMINUM	LP	LOW POINT
ALT	ALTERNATE/ALTERNATIVE	LLH	LONG LEG HORIZONTAL
APPD	APPROVED	LLV	LONG LEG VERTICAL
ARCH	ARCHITECTURAL, ARCHITECT	LWIC	LIGHT WEIGHT INSULATING CONCRETE
ASPH	ASPHALT		
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	M.	MANUF
AWS	AMERICAN WELDING SOCIETY	MAT	MATERIAL
		MAX	MAXIMUM
		MB	MASONRY BEAM
B.M.	BENCH MARK	MCJ	MASONRY CONTROL JOINT
B/	BASE PLATE	MECH	MECHANICAL
BIT	BOTTOM OF BITUMINOUS	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BLK	BLOCK	MJ	MASONRY JOINT
BM	BEAM	MO	MASONRY OPENING
BOT	BOTTOM	MOM	MOMENT
BRG	BEARING	MTL	METAL
BU	BUILT UP		
		N.	NOT IN CONTRACT
		NS	NEAR SIDE
		N.T.S.	NOT TO SCALE
C/C	CENTER TO CENTER		
CB	CONCRETE BEAM	O.	ON CENTER
CC	CONCRETE COLUMN	OC	OUTSIDE DIAMETER
CE	CONCRETE ENCASED	OD	OUTSIDE FACE
CF	CUBIC FOOT/FEET	OF	OPENING
C	CHANNEL	OPNG	ORIENTATION
CHK	CHECKERED	ORIENT	
CI	CAST IRON		
CIP	CONCRETE IN PLACE	P.	PRE CAST CONC
CJ	CONSTRUCTION JOINT	PAR	PARALLEL
CL	CLEAR/CLEARANCE	PEN	PENETRATION
¢	CENTER LINE	PERIM	PERIMETER
CMP	CORRUGATED METAL PIPE	¢	PLATE
CMU	CONCRETE MASONRY UNIT	PLF	POUNDS PER LINEAR FOOT
CO	COMPANY	PLY	PLYWOOD
COL	COLUMN	PREFAB	PREFABRICATED
CONC	CONCRETE	PSF	POUNDS PER SQUARE FOOT
CONN	CONNECTION	PSI	POUNDS PER SQUARE INCH
CONST	CONSTRUCTION	PT	PRESSURE TREATED
CONT	CONTINUOUS		
COORD	COORDINATE	Q.	QUANTITY
CS	CARBON STEEL		
CJ	CONSTRUCTION JOINT	R.	ROOF ACCESS
CY	CUBIC YARD	R/W	REINFORCED WITH
		RCP	REINFORCED CONCRETE PIPE
D	DECK DIAPHRAGM LOAD (PLF)	RD	ROOF DRAIN
DBA	DOWEL BAR ANCHOR	REF	REFERENCE
DEG	DEGREE	REINF	REINFORCING
DEP	DEPARTMENT	REQ'D	REQUIRED
DIA	DIAMETER	RM	ROOM
DIAG	DIAGONAL		
DIM	DIMENSION	S.	SCHEDULE
DIST	DISTANCE	SF	SQUARE FEET
DN	DOWN	SIM	SIMILAR
DR	DRAIN	SJ	SAW JOINT
DWG	DRAWING	SP	SPACING
		SPA	SPACE(S)
E.	EACH	SPEC	SPECIFICATION
EA	EACH END	SPECS	SPECIFICATIONS
EF	EACH FACE	SQ	SQUARE
EJ	EXPANSION JOINT	SS	STAINLESS STEEL
ELEV	ELEVATION	STD	STANDARD
ELEC	ELECTRICAL/ELECTRIC	STIRR	STIRRUPS
ENG	ENGINEER	STL	STEEL
EOR	ENGINEERING OFFICE	SYM	SYMMETRICAL
ES	EQUAL SPACED		
EQUIP	EQUIPMENT	T.	TOP & BOTTOM
EW	EACH WAY	T/	TOP OF
EXCL	EXCLUDING	T/C	TOP OF CONCRETE
EXIST	EXISTING	T/S	TOP STEEL
EXP	EXPANSION	TB	TIE BEAM
EXT	EXTERIOR	TEMP	TEMPORARY
		TENS	TENSION
		THD	THREAD(ED)
F.	FLAT BAR	THK	THICK
FD	FLOOR DRAIN	TJ	TIE JOIST
FF	FINISHED FLOOR	TOL	TOLERANCE
FG	FINISHED GRADE	TOT	TOTAL
FL	FLOOR	TRANS	TRANSVERSE
FND	FOUNDATION	TS	THICKENED SLAB
FRP	FIBERGLASS REINFORCED PLASTIC	TYP	TYPICAL
FS	FAR SIDE		
FT	FOOT/FEET	U.	UNLESS OTHERWISE NOTED
FTG	FOOTING	UIN	UNDERSIDE
		V.	VERTICAL
G.	GAUGE	VOL	VOLUME
GALV	GALVANIZED		
GC	GENERAL CONTRACTOR		
GR	GRADE	W.	WIDE
		W/	WITH
H.	HORIZONTAL	W/O	WITHOUT
HDA	HEADED STUD ANCHOR	WD	WOOD
HT	HEIGHT	WF	WIDE FLANGE
HDG	HOT DIPPED GALVANIZED	WH	WEEP HOLE
		WP	WORKING POINT
I.	INSIDE DIAMETER	WT	WEIGHT
ID	INSIDE FACE	WWR	WELDED WIRE REINFORCING
IF	INSIDE FACE	W FTG	WALL FOOTING
IN	INCH		
INT	INTERIOR	X.	XFMR
INV	INVERT	Y.	WYE
		Z.	ZONE
J.	JOINT		
JST	JOIST		

**TIMBER POST NOTES:**

- TIMBER POST: SOUTHERN PINE, PRESSURE TREATED (0.4 ALKALINE COPPER QUATERNARY (ACQ)) AND SHALL CONFORM TO ASTM D 25, UNUSED, CLEAN PEEL, UNIFORMLY TAPERED, ONE PIECE FROM BUTT TO TIP WITH THE FOLLOWING MINIMUM ALLOWABLE STRESSES:  

Fc = <sub>⊥</sub>	450 PSI
Fb =	1,950 PSI
Fv =	160 PSI
Fc =	1,250 PSI
E =	1,500,000 PSI
- POST, MINIMUM TIP ELEVATIONS AS INDICATED ON PLANS.

**TIMBER NOTES:**

- ALL TIMBER SHALL BE SOUTHERN YELLOW PINE, PRESSURE TREATED, GRADES AS INDICATED, WITH THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND SHALL BEAR QUALITY MARK STAMP.

SIZE	Fb (PSI)	Ft (PSI)	FcII (PSI)	Fc⊥ (PSI)	E (PSI)	GRADE
2x4	1500	1000	1650	565	1,600,000	NO.1
2x6	1350	875	1550	565	1,600,000	NO.1
2X8	1250	850	1500	565	1,600,000	NO.1
2X12	750	450	1250	565	1,400,000	NO.2

- ALL TIMBER FRAMING SHALL BE AS INDICATED IN DRAWINGS, SECTIONS, DETAILS AND NOTES (UON). ALL STRINGERS SHALL HAVE TWO SPAN CONDITION.
- ALL FASTENERS AND HARDWARE (BOLTS, SCREWS, WASHERS, AND NAILS) SHALL BE 316 STAINLESS STEEL (UON).
- SEE PLANS, SECTIONS, AND DETAILS FOR DECKING REQUIREMENTS.
- ALL TIMBER SHALL BE PRESSURE TREATED WITH WATER BORNE PRESERVATIVES AS FOLLOWS:  
  - DECKING - 0.15 COPPER AZOLE (CA-C)
  - STRINGERS AND JOISTS - 0.15 COPPER AZOLE (CA-C)
  - BRACING - 0.15 COPPER AZOLE (CA-C)
  - POSTS - 2.5 CHROMATED COPPER ARSENATE (CCA)
- ALL CONNECTIONS SHALL BE FASTENED WITH A MINIMUM (2) SIMPSON STRONG-DRIVE #10X3 (10300WP) DWP WOOD SS SCREWS UNLESS OTHERWISE NOTED.

**CODES AND SPECIFICATIONS**

- GENERAL BUILDING CODE:  
  - MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI 7-22)
  - STRUCTURAL WORK SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE 2023 EDITION.
- RAMPS:  
  - 2010 ADA (AMERICANS WITH DISABILITIES ACT) STANDARDS FOR ACCESSIBLE DESIGN

**GENERAL NOTES**

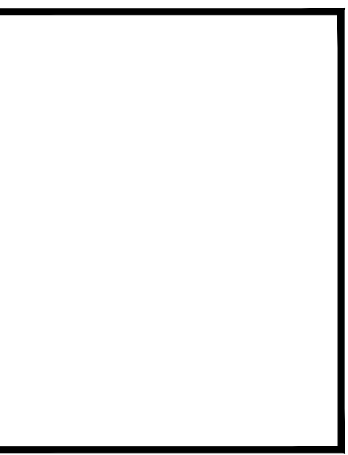
- DESIGN LOADS ARE BASED ON INTERNATIONAL BUILDING CODE (IBC) 2016. WIND LOAD REFERENCE - ASCE, 7-16  

(A) ULTIMATE WIND SPEED, Vult = 137 MPH (3-SEC GUST)  
 NOMINAL WIND SPEED, Vasd = 106 MPH (3-SEC GUST)  
 RISK CATEGORY: I  
 EXPOSURE: D  
 ENCLOSURE: OPEN

(B) SEISMIC PARAMETERS:  

a. RISK CATEGORY:	I
b. SEISMIC SITE CLASS:	D
c. MAPPED RESPONSE (SS):	0.078
d. MAPPED RESPONSE (S1):	0.035
e. DESIGN CATEGORY (SDC):	A
f. SEISMIC IMPORTANCE:	1.25
g. SITE COEFFICIENT (FA):	1.6
h. SITE COEFFICIENT (FV):	2.1
i. DESIGN RESPONSE (SMS):	0.11
j. DESIGN RESPONSE (SM1):	0.074
k. DESIGN RESPONSE (SDS):	0.07
l. DESIGN RESPONSE (SD1):	0.049
m. RESPONSE MOD FACTOR, R:	3
n. APP PERIOD:	0.560

NOTE: THE SEISMIC ANALYSIS PROCEDURE USED ON THIS STRUCTURE IS THE EQUIVALENT LATERAL FORCE PROCEDURE
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH PROJECT DRAWINGS AND SPECIFICATIONS. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIALS SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRICATION OF ANY STRUCTURAL MEMBERS, AND ERECTION IN THE FIELD.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONNECTIONS AND ANCHOR BOLT LOCATIONS FROM CERTIFIED DRAWINGS AND FABRICATOR'S ANCHOR BOLT SETTING PLANS.
- DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE PLANS CAN BE DETERMINED BY THE TITLE OF THE DETAIL. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE KEYS IN AT EACH LOCATION. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE CONTRACTING OFFICE.
- THE CONTRACTOR SHALL WORK STRUCTURAL DRAWINGS AND APPROVED FDEP PERMIT DRAWINGS TO LOCATE ANY ADJACENT FEATURES, SETTINGS, GRADES, ETC. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- THE STRUCTURAL INTEGRITY OF THE COMPLETED STRUCTURE DEPENDS UPON THE INTERACTION OF VARIOUS CONNECTED COMPONENTS. PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK.
- THE GENERAL CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH OTHER DISCIPLINES AND REPORT ANY DISCREPANCIES BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE OWNER'S REPRESENTATIVE PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS. WHERE CONFLICTS EXIST AMONG VARIOUS PARTS OF THE STRUCTURAL CONTRACT DOCUMENTS, STRUCTURAL DRAWINGS, GENERAL NOTES AND SPECIFICATIONS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
- THE CONTRACT STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCE, AND SAFETY. THE ENGINEER DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS.
- THE USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS AND USE OF CAD FILES BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFY HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES HIM TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.



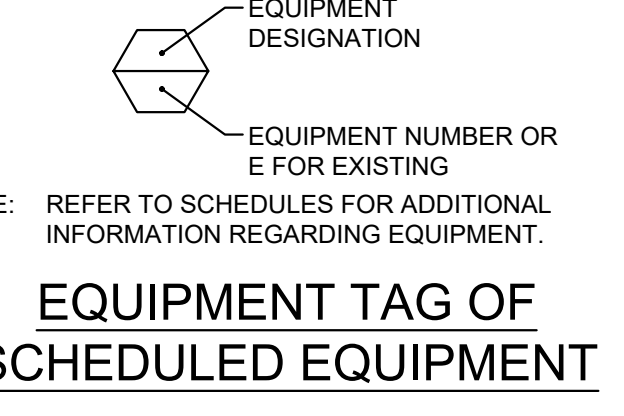
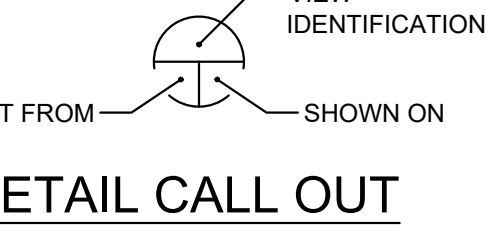
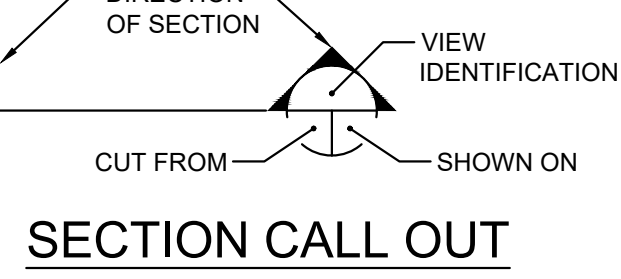
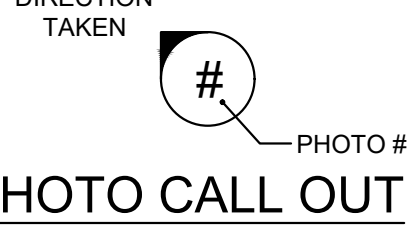
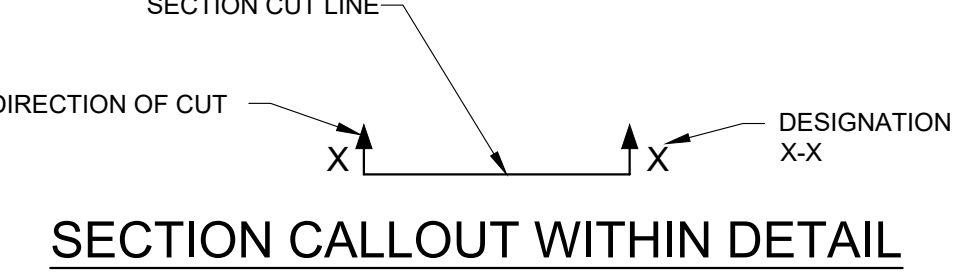
REV	DATE	DESCRIPTION

**ADA DUNE CROSSOVER REPLACEMENT**  
 CITY OF COCOA BEACH  
 SOUTH 7TH STREET COCOA BEACH, FL 32931  
**STRUCTURAL ABBREVIATIONS, LEGENDS AND NOTES**

**PERMIT SET**  
 NOT FOR CONSTRUCTION

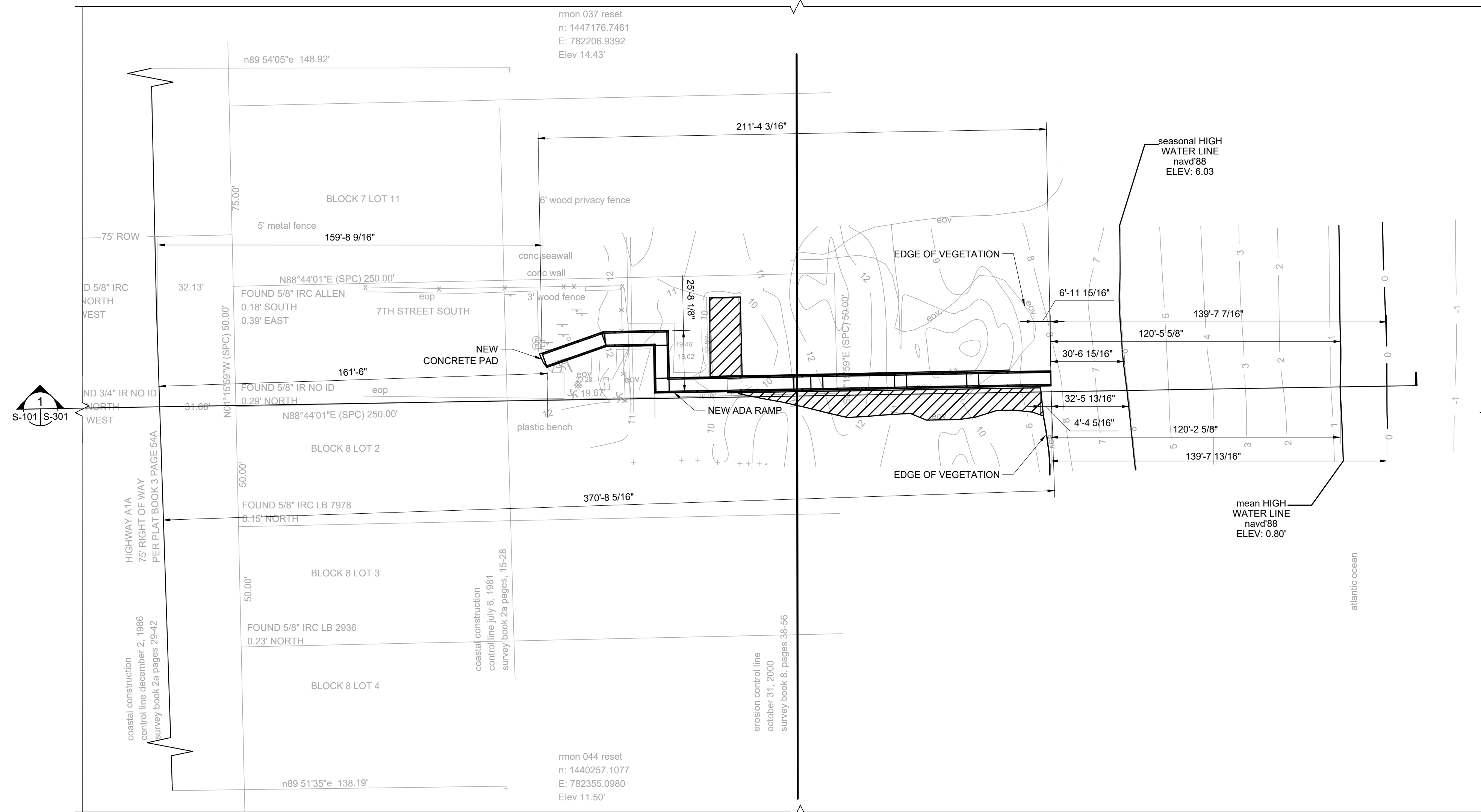
CDE #	160221_002
DATE	10/01/25
DRAWN	J. JACOBS
DESIGN	K. FINDLATER
CHECK	M. CHARMBURY
FILE	S7_S-001.dwg

**S-001**  
 SHEET 2 OF 6



**GENERAL NOTE(S):**

1. ALL ADA LANDINGS ARE LEVEL.
2. ALL ADA RAMP ARE AT 1/12 (FT/FT) DOWN SLOPE.
3. ALL CONTOUR LINE ELEVATIONS ARE EXISTING ELEVATIONS (AT TIME OF PREVIOUS SURVEY). CONTRACTOR SHALL PERFORM NEW SURVEY PRIOR TO THE START OF WORK AND IF GRADE HAS CHANGED FROM PREVIOUSLY PERFORMED SURVEY ON THIS DRAWING, CONTRACTOR TO CONTACT THE EOR FOR NEW ADA RAMP TERMINUS.
4. CONTRACTOR SHALL CONSTRUCT DUNE CROSSOVER AS SHOWN, INCLUDING HANDRAILS. THERE SHALL BE A PORTION OF RAMP THAT WILL BE BURIED BELOW THE FINISHED GRADE. THERE WILL BE NO EARTH-MOVING OPERATION INVOLVED IN THIS PROJECT, EXCEPT FOR THE TEMPORARY DISPLACEMENT OF SAND DURING THE INSTALLATION OF THE PILES. PILES WILL BE INSTALLED USING PRE-DRILLED BOREHOLE. ANY REMNANT FILL SHALL BE HAND GRADED TO MATCH THE SURROUNDING GRADE. THROUGHOUT THE CONSTRUCTION PHASE, IT IS STRICTLY MANDATED THAT NO FILL MATERIAL SHALL BE TRANSPORTED OFF OR BROUGHT ONTO THE SITE SEAWARD OF THE CCCL.



**SOUTH 7TH STREET ADA RAMP SITE PLAN - NEW**  
1" = 30'

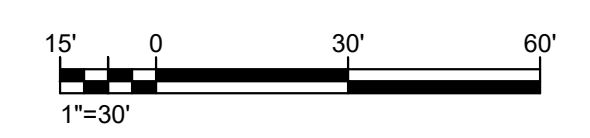
DUNE PLANTING SCHEDULE													
PLANTING CATEGORY	SCIENTIFIC NAME	NAME	TOTAL AREA TO BE PLANTED (SQ. FT.)	MIN. HEIGHT	MIN. O.C. SPACING	MINIMUM % OF TOTAL AREA	MAXIMUM % OF TOTAL AREA	PROPOSED % OF TOTAL AREA (MUST EQUAL OR EXCEED 100%)	AREA TO BE PLANTED (SQ. FT.)	SPACING REQUIREMENTS (SQ. FT.)	TOTAL # OF PLANTS REQUIRED		
												SHRUBS	ERYTHRINA HERBACEA
GROUND COVERS	UNIOLA PANICULATA	SEA OATS	6"	4"	x	40	60	60%	=	933	=	93	
VINES	CANAVALIA ROSEA	BEACH BEAN	4"	11"	x	10	20	10%	=	155	=	16	
WILDFLOWERS	HELIANTHUS DEBIUS	DUNE SUNFLOWER	4"	7"	x	20	40	20%	=	311	=	31	

REV	DESCRIPTION	DATE

**ADA DUNE CROSSOVER REPLACEMENT**  
CITY OF COCOA BEACH  
SOUTH 7TH STREET COCOA BEACH, FL 32931  
**PUBLIC BEACH ACCESS - SITE PLAN**

**PERMIT SET**  
NOT FOR CONSTRUCTION

CDE # 160221\_002  
DATE 10/01/25  
DRAWN J. JACOBS  
DESIGN K. FINDLATER  
CHECK M. CHARMBURY  
FILE S7\_S-101.dwg



X:\Projects\60221 - City of Cocoa Beach Projects\002\_ADA.DCOR\_7th&Flagler\2.6\_CAD\1\_60221\_002\Sheets\S7\_S-101.dwg 10/1/2025 10:54:08 AM Printed By: Jared Jacobs

**GENERAL NOTE(S):**

1. ALL ADA LANDINGS ARE LEVEL.
2. ALL ADA RAMPS ARE AT 1/12 (FT/FT) DOWN SLOPE.
3. ALL CONTOUR LINE ELEVATIONS ARE EXISTING ELEVATIONS (AT TIME OF PREVIOUS SURVEY). CONTRACTOR SHALL PERFORM NEW SURVEY PRIOR TO THE START OF WORK AND IF GRADE HAS CHANGED FROM PREVIOUSLY PERFORMED SURVEY ON THIS DRAWING, CONTRACTOR TO CONTACT THE EOR FOR NEW ADA RAMP TERMINUS.
4. CONTRACTOR SHALL CONSTRUCT DUNE CROSSOVER AS SHOWN, INCLUDING HANDRAILS. THERE SHALL BE A PORTION OF RAMP THAT WILL BE BURIED BELOW THE FINISHED GRADE. THERE WILL BE NO EARTH-MOVING OPERATION INVOLVED IN THIS PROJECT EXCEPT FOR THE TEMPORARY DISPLACEMENT OF SAND DURING THE INSTALLATION OF THE PILES. PILES WILL BE INSTALLED USING PRE-DRILLED BOREHOLE. ANY REMNANT FILL SHALL BE HAND GRADED TO MATCH THE SURROUNDING GRADE. THROUGHOUT THE CONSTRUCTION PHASE, IT IS STRICTLY MANDATED THAT NO FILL MATERIAL SHALL BE TRANSPORTED OFF OR BROUGHT ONTO THE SITE SEAWARD OF THE CCCL.

REV	DESCRIPTION	DATE

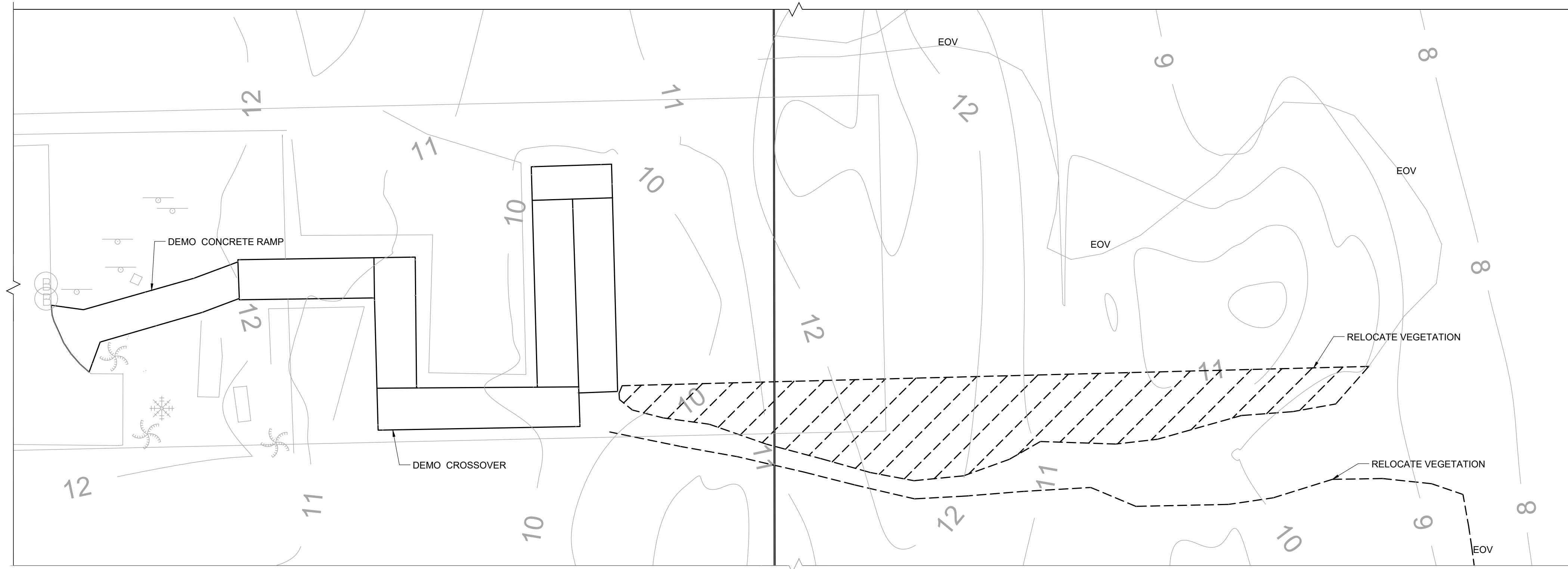
**ADA DUNE CROSSOVER REPLACEMENT**  
CITY OF COCOA BEACH  
SOUTH 7TH STREET COCOA BEACH, FL 32931

**PUBLIC BEACH ACCESS - ENLARGED SITE PLAN**

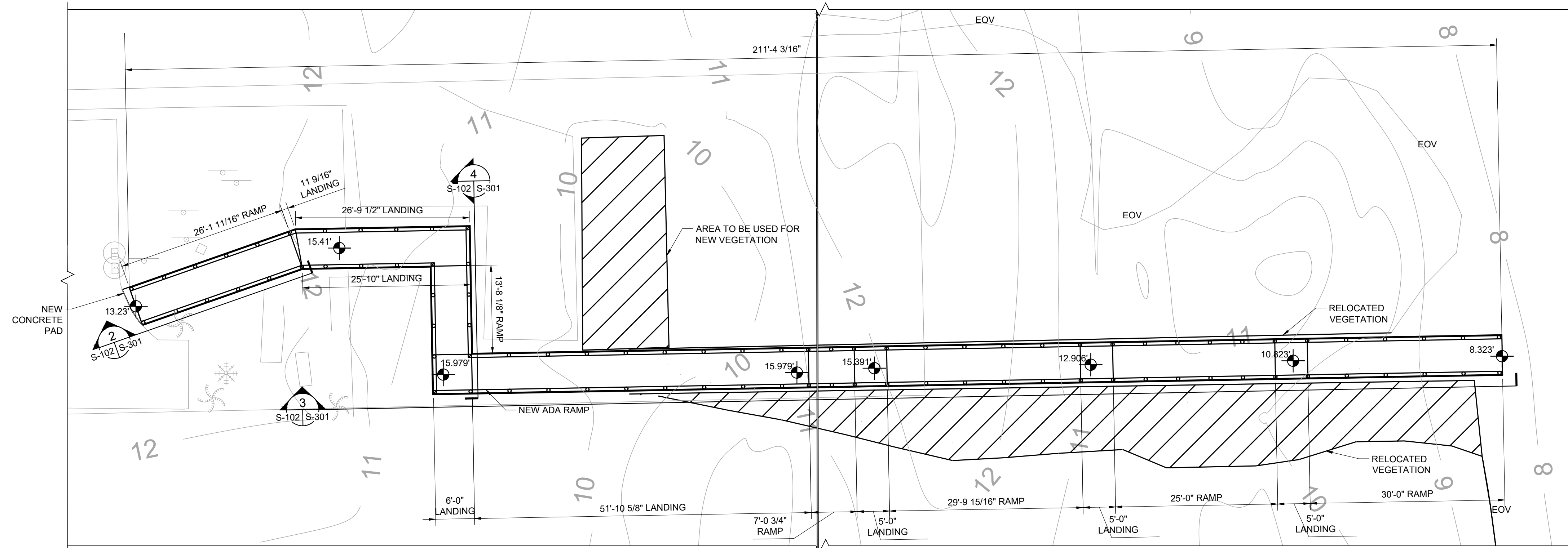
**PERMIT SET**  
NOT FOR CONSTRUCTION

CODE #	160221_002
DATE	10/01/25
DRAWN BY	J. JACOBS
DESIGN BY	K. FINDLATER
CHECK BY	M. CHARMURBY
FILE	S7_S-102.dwg

**S-102**  
SHEET 4 OF 6

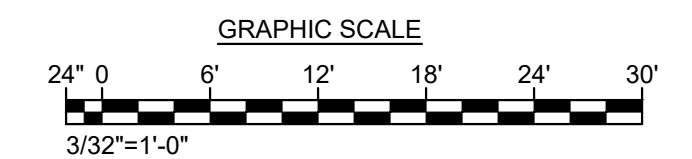


**SOUTH 7TH STREET ADA RAMP SITE PLAN - DEMO**  
3/32" = 1'-0"



**SOUTH 7TH STREET ADA RAMP SITE PLAN - NEW**  
3/32" = 1'-0"

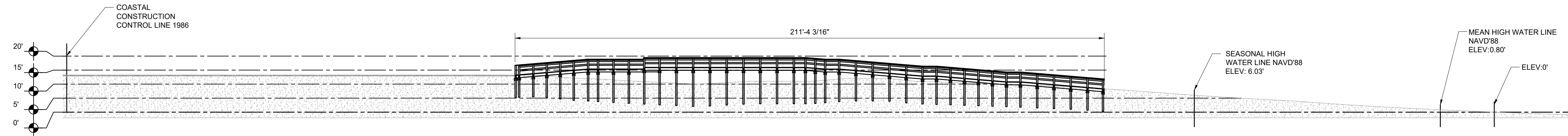
DUNE PLANTING SCHEDULE											
PLANTING CATEGORY	SCIENTIFIC NAME	NAME	TOTAL AREA TO BE PLANTED (SQ. FT.)	MIN. HEIGHT	MIN. O.C. SPACING	MINIMUM % OF TOTAL AREA	MAXIMUM % OF TOTAL AREA	PROPOSED % OF TOTAL AREA (MUST EQUAL OR EXCEED 100%)	AREA TO BE PLANTED (SQ. FT.)	SPACING REQUIREMENTS (SQ. FT.)	TOTAL # OF PLANTS REQUIRED
SHRUBS	ERYTHRINA HERBACEA	CORAL BEAN	1554.2	6"	18" x	10	20	10%	= 155	30	= 5
GROUND COVERS	UNICOLA PANICULATA	SEA OATS		6"	4" x	40	60	60%	= 933	10	= 93
VINES	CANAVALLIA ROSEA	BEACH BEAN		4"	11" x	10	20	10%	= 155	10	= 16
WILDFLOWERS	HELIANTHUS DEBLIS	DUNE SUNFLOWER		4"	7" x	20	40	20%	= 311	10	= 31



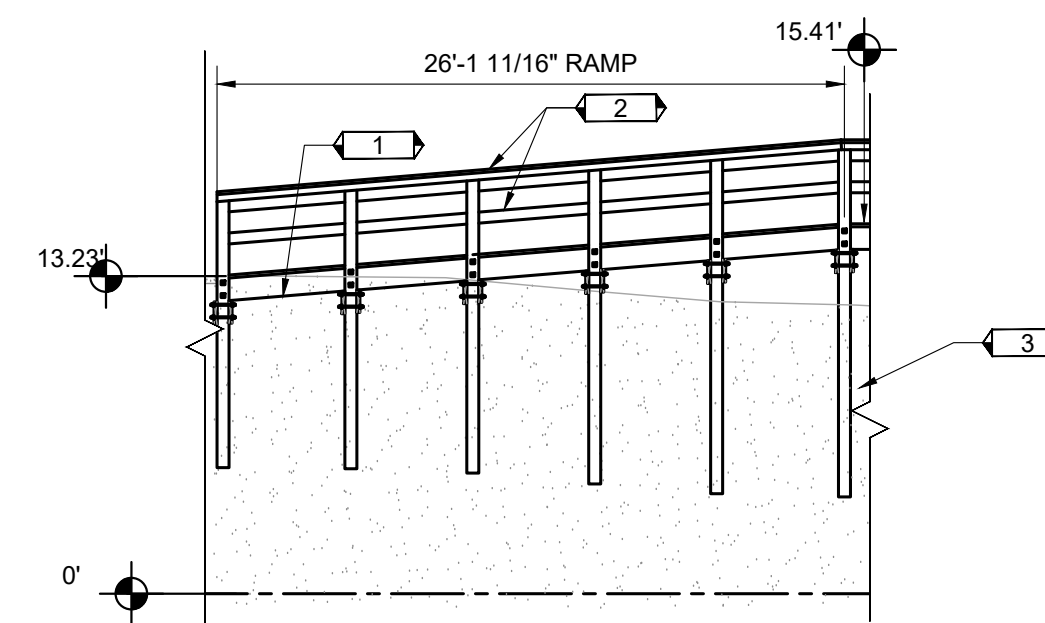
X:\Projects\60221 - City of Cocoa Beach Projects\002\_ADA\DCOR\_7th&Flagler\26\_CAD\1\_60221\_002\Sheets\S7\_S-102.dwg 10/1/2025 10:54:13 AM Printed By: Jared Jacobs

**KEY NOTE(S):** #

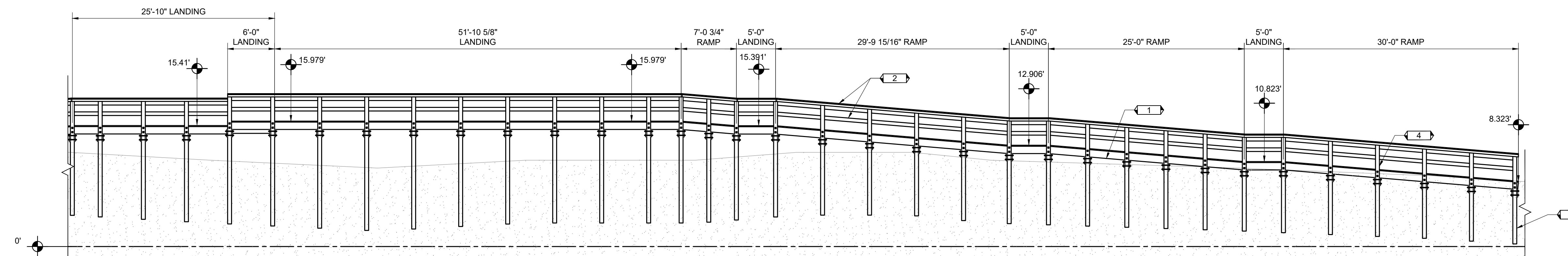
1. WHERE 2x12 ARE NOT CONTINUOUS SEE DETAILS ON S-401.
2. ALL RAILING LUMBER SHALL BREAK ON ALTERNATING PILES TYPICAL. SEE DETAILS ON S-401 FOR RAILING PLACEMENT.
3. 8'-0" MINIMUM EMBEDMENT TYPICAL.
4. TURTLE BARRIER SHALL BE SOLID BOARDS OR PLANKS WITH NO MORE THAN 1" SPACING BETWEEN THEM. THE BARRIER SHALL BE BURIED A MINIMUM OF 1'-0" INTO THE SAND, HAVE A VERTICAL MINIMUM HEIGHT OF 2'-0" AND RUN UNTIL THE SPLIT PILE CAPS HAVE 3'-0" OF VERTICAL CLEARANCE BENEATH THEM, AND BE PROPERLY SECURED TO PILE. TURTLE BARRIERS ARE NOT REQUIRED LANDWARD BEYOND FOURTH PILE FROM SEAWARD END OF ADA CROSSOVER.



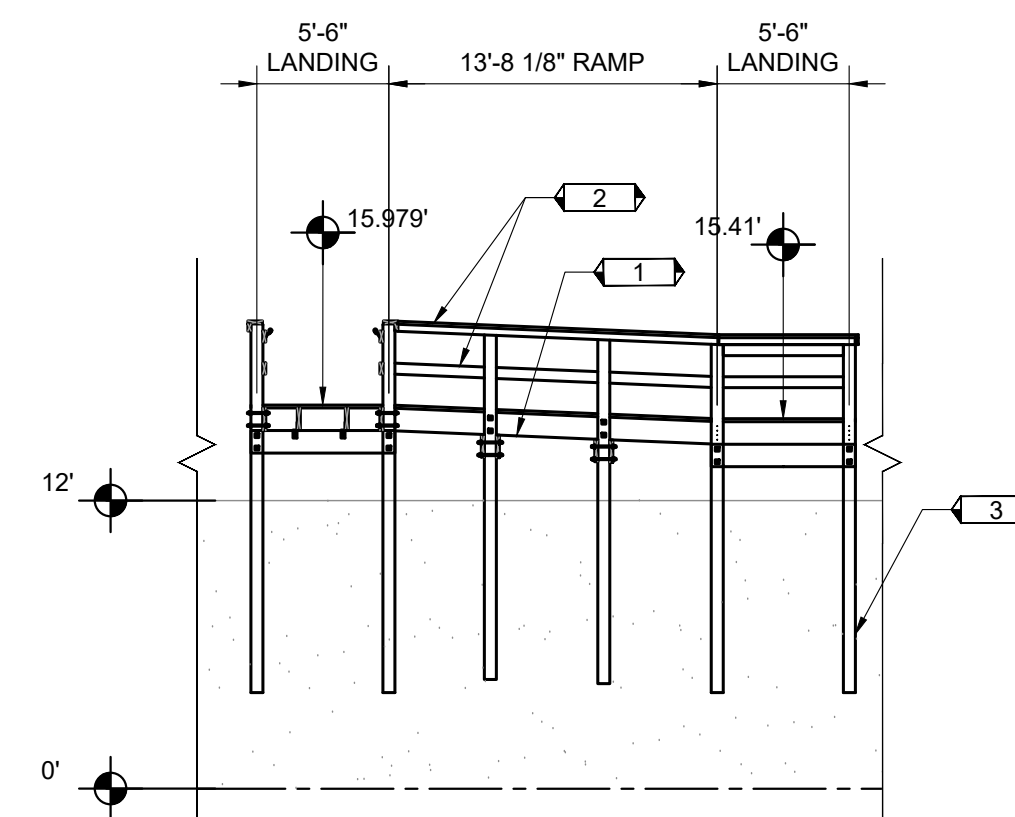
**SECTION 1**  
 S-101 | S-301  
 1" = 20"



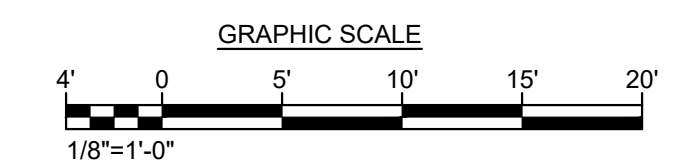
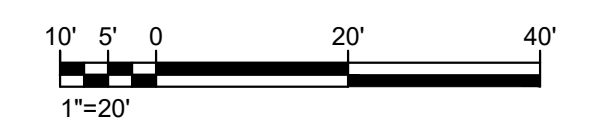
**SECTION 2**  
 S-102 | S-301  
 1/8" = 1'-0"



**SECTION 3**  
 S-102 | S-301  
 1/8" = 1'-0"



**SECTION 4**  
 S-102 | S-301  
 1/8" = 1'-0"



REV	DESCRIPTION	DATE

**ADA DUNE CROSSOVER REPLACEMENT**  
 CITY OF COCOA BEACH  
 SOUTH 7TH STREET COCOA BEACH, FL 32931

**PUBLIC BEACH ACCESS SECTION**

**PERMIT SET**  
 NOT FOR CONSTRUCTION

CDE #	160221_002
DATE	10/01/25
DRAWN	J. JACOBS
DESIGN	K. FINDLATER
CHECK	M. CHARMBURY
FILE	S7_S-301.dwg

X:\Projects\60221 - City of Cocoa Beach Projects\002\_ADA\DCOR\_7th\Flagler\26\_CAD\1\_60221\_002\Sheets\S7\_S-301.dwg 10/1/2025 10:54:17 AM Printed By: Jared Jacobs

1

2

3

4

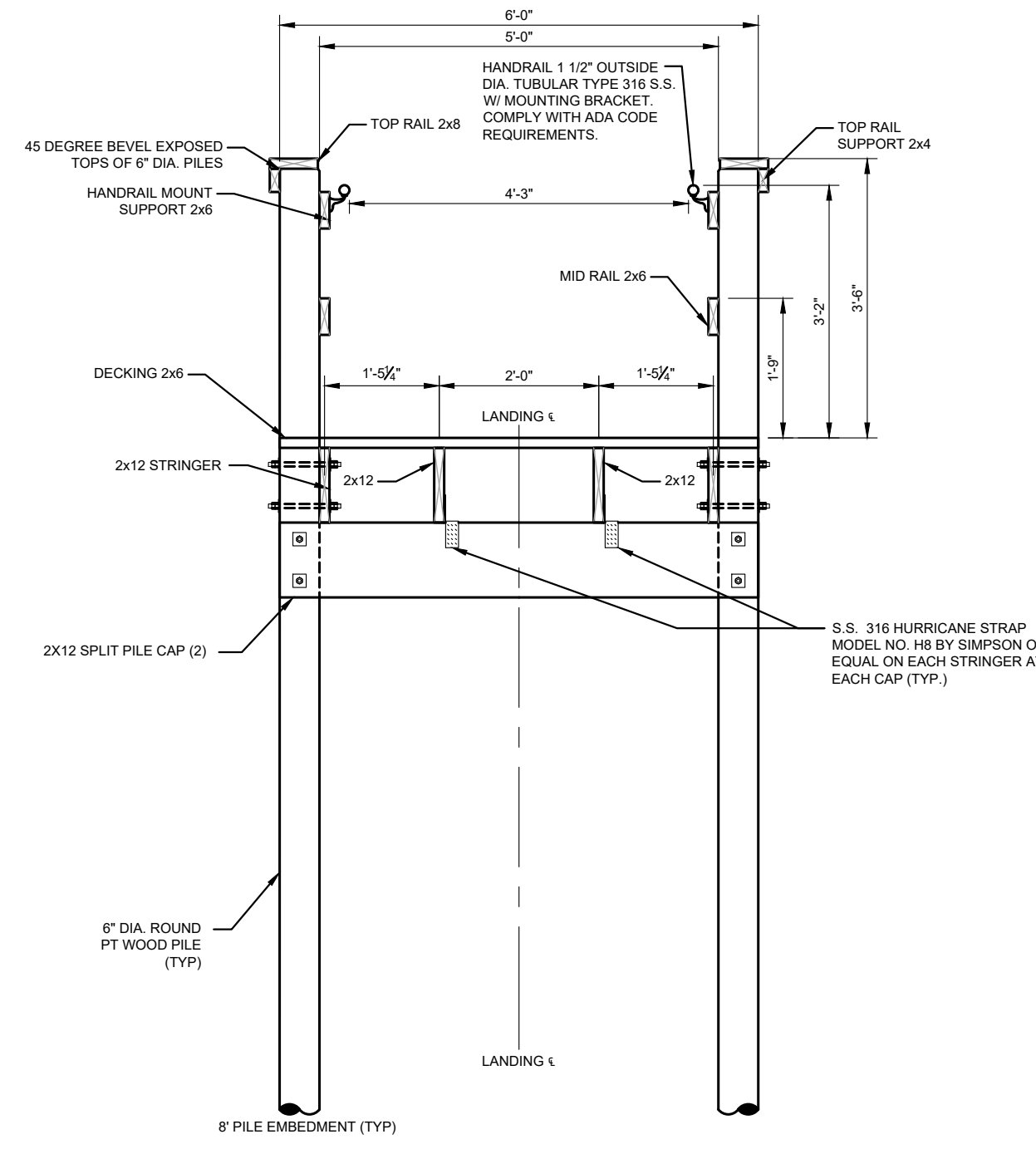
5

D

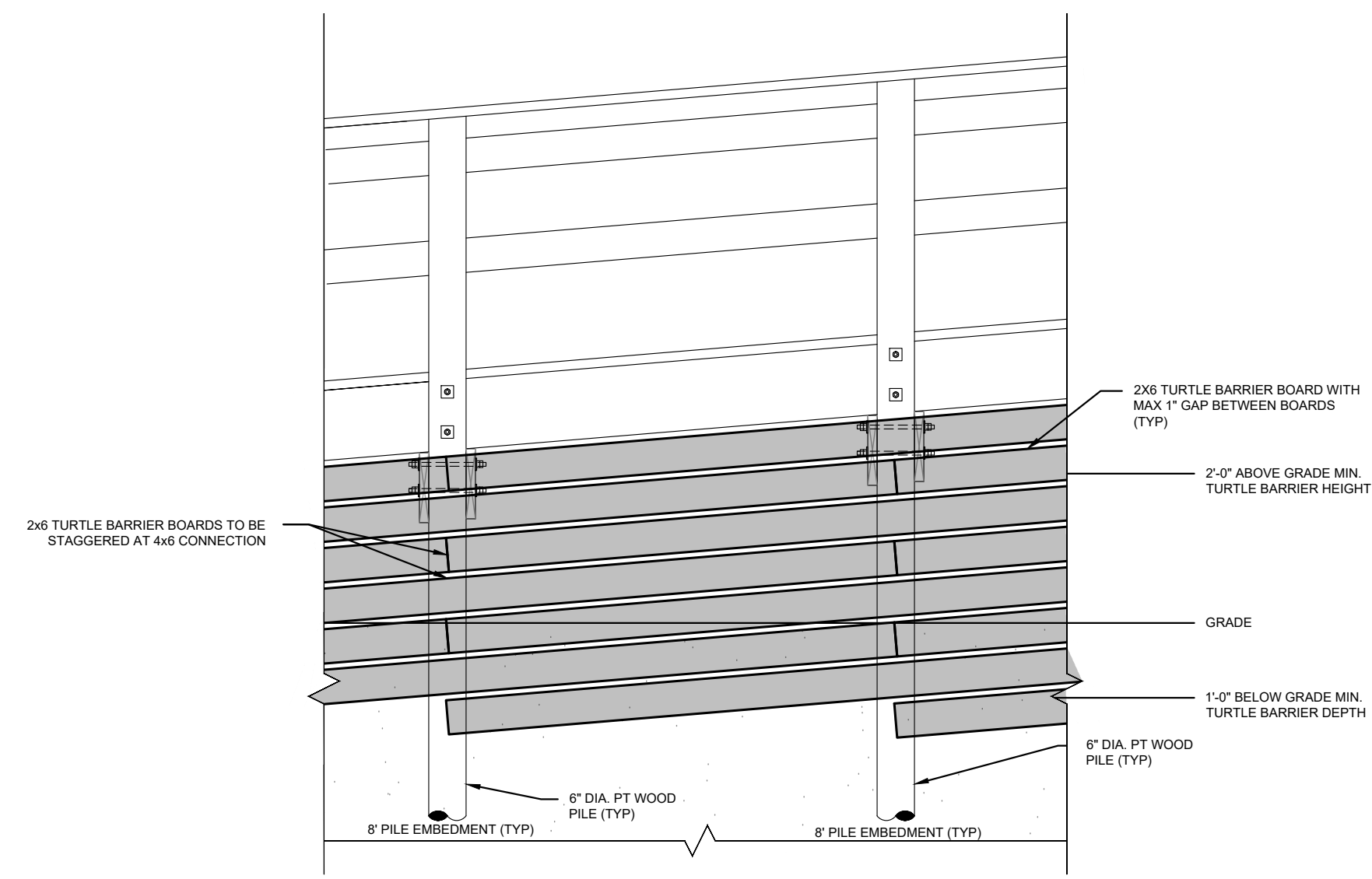
C

B

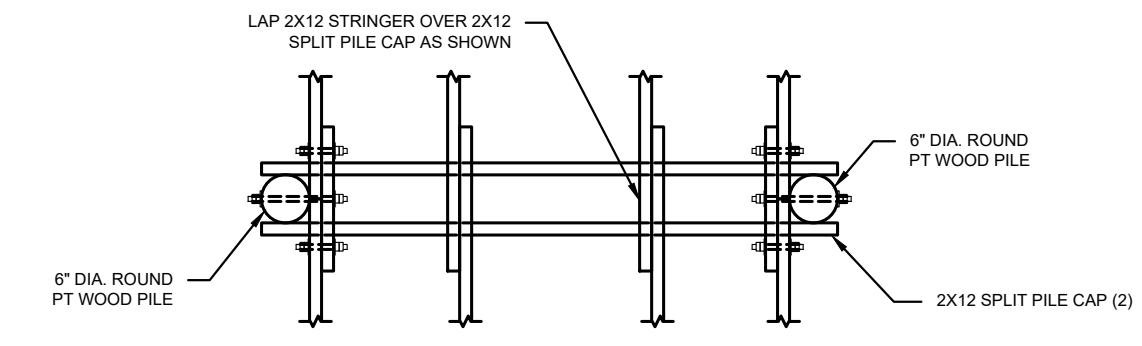
A



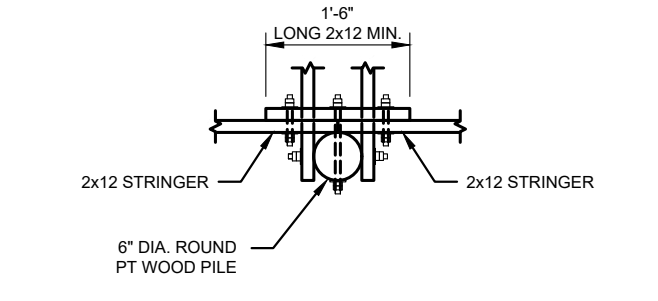
**LANDING SECTION DETAIL**  
 1/2" = 1'-0"



**TYPICAL TURTLE BARRIER ELEVATION DETAIL**  
 1/2" = 1'-0"



**TYPICAL STRINGER LAP OVER PILE CAP DETAIL**  
 1/2" = 1'-0"



**TYPICAL STRINGER SPLICE AT 6" DIA. WOOD PILE DETAIL**  
 1/2" = 1'-0"

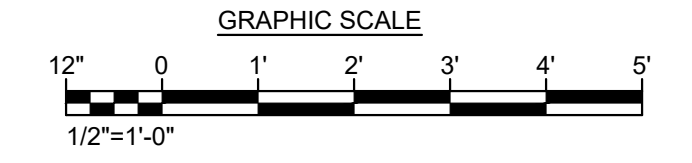
REV	DESCRIPTION	DATE

**ADA DUNE CROSSOVER REPLACEMENT**  
 CITY OF COCOA BEACH  
 SOUTH 7TH STREET COCOA BEACH, FL 32931

**PUBLIC BEACH ACCESS - DETAILS**

**PERMIT SET**  
 NOT FOR CONSTRUCTION

CDE #	160221_002
DATE	10/01/25
DRAWN	J. JACOBS
DESIGN	K. FINDLATER
CHECK	M. CHARMBURY
FILE	S7_S-401.dwg



X:\Projects\60221 - City of Cocoa Beach Projects\002\_ADA DUNE REPLACEMENT\002\_Sheets\S7\_S-401.dwg 10/1/2025 10:54:22 AM Printed By: Jared Jacobs