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CITY COUNCIL MEMBERS

BECKY IRWIN	COUNCILOR
DARRIN PALUMBO	COUNCILOR
ERIK BRECHNITZ	VICE-CHAIR
GREG FOLLEY	COUNCILOR
JARED GRIFONI	CHAIRMAN
JOE ROLA	COUNCILOR
RICH BLONNA	COUNCILOR

CITY EXECUTIVE DEPARTMENT

MICHAEL MCNEES CITY MANAGER

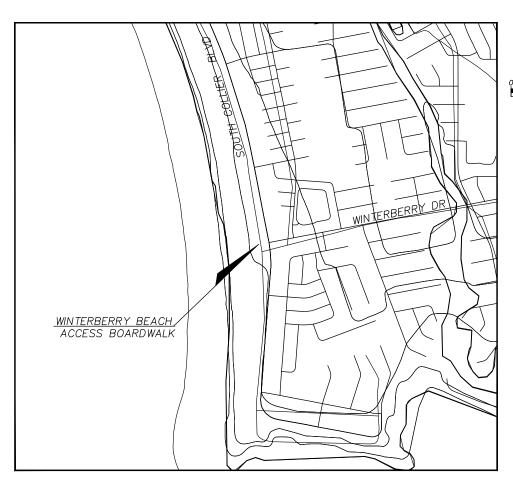
△ CITY FLEET & FACILITIES

JOSEPH PARRILLI MANAGER, FLEET & FACILITIES
MARTHA MONTGOMERY SUPERVISOR OF FACILITIES
HEATHER REED PROJECT MANAGER

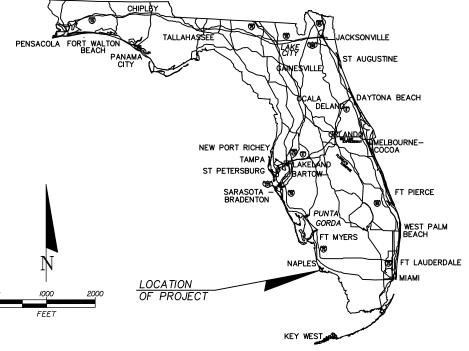
CITY OF MARCO ISLAND CONTRACT PLANS

WINTERBERRY BEACH ACCESS BOARDWALK REPAIRS

CITY PROJECT No.: COLLIER COUNTY, FLORIDA



REVISIONS: 1 JUNE 2024 - ADD STRAP REPLACEMENT AND ON-SITE INSPECTION 2 SEPTEMBER 2024 - RE-BID



DAVID SCHMITT, P.E. P.E. NO.: 41671 DATE: 09/2024

PLANS PREPARED BY:



950 Encore Way Naples, FL 34110 Phone: (239) 254-2000 Florida Certificate of Authorization No.1772

PROJECT NUMBER 340741-01-001

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

△ DATE SEPTEMBER 2024

FISCAL SHEET NO.

- ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) 1988. FOR NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.) - 1929 CONVERSION, ADD 1.31 TO (N.A.V.D.) ELEVATION. THE RECORD DRAWINGS SHALL REFERENCE THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) - 1988.
- 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY EXISTING LANDSCAPING (I.E. SOD, BUSHES, TREES, ETC.) AND SPRINKLER PIPE, SPRINKLER HEADS, FENCING AND ALL IDENTIFIED IMPROVEMENTS THAT MAY HAVE TO BE REMOVED OR HAVE BEEN DAMAGED OR INJURED DURING CONSTRUCTION, NOT IDENTIFIED TO BE REMOVED BY UTILITY OR SIDEWALK IMPROVEMENT. CONTRACTOR TO REPLACE OR REPAIR ANY DAMAGED PROPERTY OR IMPROVEMENTS TO A CONDITION EQUAL TO OR BETTER THAN EXISTED PRIOR TO CONSTRUCTION. CONTRACTOR MUST COMPLY WITH PROVISIONS OF FLORIDA STATUTE 556, THE UNDERGROUND FACILITY DAMAGE PREVENTION AND
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND EXISTING UTILITIES PRIOR TO CONSTRUCTION AND TO PROTECT DURING CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN 10' MINIMUM CLEARANCE FROM ANY LCEC ENERGIZED CONDUCTOR. REFER TO OSHA STANDARDS AND LCEC REQUIREMENTS.
- 5. CONTRACTOR SHALL PERFORM ALL HIS WORK WITHIN THE EASEMENTS OR RIGHT-OF-WAYS.
- 6. THE CONTRACTOR SHALL EXAMINE THE SITE AND BE RESPONSIBLE FOR UNDERTAKING HIS OWN SOIL BORINGS, PAVEMENT CORINGS AND GEOTECHNICAL INVESTIGATION PRIOR TO SUBMITTING HIS BID, TAKING INTO CONSIDERATION ALL CONDITIONS THAT MAY AFFECT HIS WORK. THE CITY AND THE ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR SUB-SOIL QUALITY OR CONDITIONS; CONTRACTOR SHALL OBTAIN HIS OWN GEOTECHNICAL INFORMATION AS HE/SHE DEEMS NECESSARY. SUCH WORK WILL BE INCLUDED IN THE BID PRICE AS PART OF THE WORK AND NO SEPARATE PAYMENT WILL BE
- 7. CONTRACTOR SHALL COORDINATE ALL BOARDWALK CLOSURES WITH CITY, BOARDWALK MAY BE CLOSED FOR CONSTRUCTION FROM MONDAY (8:00 AM) THROUGH FRIDAY (5:00 PM) EXCEPT FOR HOLIDAYS. BOARDWALK TO BE OPEN FOR PUBLIC USE ÓN CITY HOLIDAYS AND WEEKÉNDS.
- DURING BOARDWALK CLOSURES, BARRICADES AND INFORMATIONAL SIGNS SHALL BE POSTED AT THE BEACH SIDE, LAND SIDE BOARDWALK ACCESS AND AT COLLIER BLVD.
- DURING CONSTRUCTION ON A WEEKLY BASIS, THE WORK AREA SHALL BE CLEANED AND SWEPT OFF ALL DEBRIS, NAILS, FASTENERS, ETC.

STRUCTURAL NOTES

1010 GENERAL CONDITIONS AND STATEMENTS:

A. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND MECHANICAL, ELECTRICAL, HVAC, AND SITE DRAWINGS.

CONSULT THESE DRAWINGS FOR DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL COMPARE AND COORDINATE WITH ALL DISCIPLINES AND REPORT ANY

- DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE
- DO NOT SCALE OFF DRAWINGS OR DETAILS. DIMENSIONS PROVIDED ON PLAN OVERIDE ANY SCALED
- D. THE STRUCTURE DEPICTED ON THE DRAWINGS IS DESIGNED TO BE SELF-SUPPORTING. STABLE AND STRUCTURALLY SOUND AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES PROVIDING TEMPORARY SHORING, SHEETING, BRACING, GUYS OR TIEDOWNS TO RESIST LOADS IMPOSED BY GRAVITY, SOIL, CONSTRUCTION LOADS, WIND AND SEISMIC (WHERE APPLICABLE).
- DETAILS, NOTES, KEYNOTES OR ANY INFORMATION SHOWN ON ANY PART OF THE DRAWINGS SHALL BE APPLIED TO ALL APPLICABLE OR SIMILAR CONDITIONS AND IF NOTED AS TYPICAL OR SHOWN FOR ONE CONDITION, SHALL BE APPLIED FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST USE, IN CONJUNCTION WITH STRUCTURAL DRAWINGS,
 MECHANICAL, ELECTRICAL, HVAC, AND SITE DRAWINGS TO DETERMINE WHERE CONDITIONS THAT ARE LIKE OR SIMILAR APPLY.
- WHERE A CONFLICT EXISTS BETWEEN DRAWINGS AND SPECIFICATIONS THE DRAWINGS SHALL GOVERN.

1020 STRUCTURAL DEMOLITION:

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING METHODS OF DEMOLITION SO THAT THE REMAINING STRUCTURE WILL NOT BE IMPAIRED OR DAMAGED.

- B. SAWCUTTING AND CORING SHALL BE UTILIZED TO THE FULLEST EXTENT POSSIBLE. ISOLATE CONSTRUCTION TO BE REMOVED FROM THE STRUCTURE TO REMAIN.
- C. ONLY OVERCUT OPENINGS WHERE INDICATED. USE APPROPRIATE SIZE CORES AT CORNERS SO THAT OVERCUTTING AT CORNERS WILL NOT BE NECESSARY. USE CHIPPING TOOLS WHERE CORNERS ARE
- SELECT METHODS OF TRANSPORTING DEBRIS THROUGH THE BUILDING WHICH WILL NOT OVERLOAD
- PROVIDE SHORING REQUIRED TO SUPPORT THE STRUCTURE WHEN NEW WORK TO STRENGTHEN THE STRUCTURE CANNOT BE INSTALLED PRIOR TO DEMOLITION. MAINTAIN SHORING UNTIL NEW WORK HAS

1061 DESIGN LOADS:
THE STRUCTURAL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE 8th EDITION OF THE FLORIDA BUILDING CODE (2023 FBC) BY THE INTERNATIONAL CODE COUNCIL, INC. THE FOLLOWING SUPERIMPOSED LOADINGS HAVE BEEN UTILIZED:

LIVE LOAD = 100 PSF DEAD LOAD = 10 PSF

WIND LOADS: RISK CATEGORY II EXPOSURE D VULT = 170 MPH

1120 SUBMITTAL (SHOP DRAWING) REVIEW:

SUBMITTALS (SHOP DRAWINGS) WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY, IF ANY DEVIATIONS FROM CONTRACT DOCUMENTS BECOME APPARENT DURING REVIEW, AS A COURTESY, ENGINEER/ARCHITECT MAY MARK UP DEVIATIONS ON SHOP DRAWINGS DURING THE SUBMITTAL PROCESS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO QUANTITY, LENGTH, ELEVATIONS AND DIMENSIONS. FABRICATION REQUIREMENTS, CONSTRUCTION MEANS AND METHODS, COORDINATION OF WORK WITH OTHER TRADES OR CONSTRUCTION SAFETY REQUIREMENTS.

- SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW, OR IF SUBMITTAL IS INCOMPLETE, WILL BE REJECTED AND WILL NOT BE REVIEWED. TRC WORLDWIDE ENGINEERING, INC WILL NOT BE RESPONSIBLE FOR DELAYS CAUSED BY REJECTED DRAWINGS.
- C. SHOP DRAWING SUBMITTALS SHALL COMPLY WITH SPECIFICATION SECTION 01330.
- THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER.
- CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS SHALL BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RE-SUBMITTALS SHALL BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. ARCHITECT/ENGINEER REVIEW WILL BE LIMITED TO THOSE ITEMS CAUSING THE RE-SUBMITTAL.

61000 WOOD & PLASTIC:

A. WOOD PRODUCTS SHALL MEET THE REQUIREMENTS OF THE SOUTHERN FOREST PRODUCT

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A. WOOD PRODUCTS SHALL MEET THE REQUIREMENTS OF THE SOUTHERN FOREST PRODUCT PROD ASSOCIATION FOR MARINE CONSTRUCTION. ALL WOOD MATERIAL ABOVE GRADE SHALL BE CCA PRESSURE TREATED FOR ALL AMERICAN WOOD PROTECTION SERVICE CONDITIONS USE OF UC4B. ALL WOOD MATERIAL IN CONTACT WITH GROUND SHALL BE UC5C. ALL REPLACEMENT BEAM CAPS, CROSS MEMBERS AND JOISTS SHALL BE GRADE NO.1 SYP. ALL REPLACEMENT HANDRAIL MATERIAL SHALL BE GRADE NO.1 SYP.

COMPOSITE DECKING AND RAILING MATERIAL SHALL MATCH EXISTING AND BE TREX SQUARE EDGE BOARD. FOR RAILING COMPONENTS AND DECKING SHALL BE TREX GROOVE BOARD. IT SHALL SUPPORT A DECK UNIFORM LIVE LOAD OF 100 PSF ON A 16" CENTER. IT SHALL HAVE A FLAME SPREAD INDEX CLASS B (ASTM E84).THE DECKING SHALL CONSIST OF RECYCLED LINEAR LOW DENSITY POLYETHYLENE (HDPE) AND RECYCLED WOOD. INSTALLATION SHALL BE PER PLANS AND MANUFACTURERS RECOMMENDATIONS.

FASTENERS SHALL BE 316 STAINLESS STEEL AS IDENTIFIED ON THE PLANS. FLOOR DECKING SHALL BE SECURED WITH CONCEALED FASTENERS. REPLACEMENT JOIST HANGERS SHALL BE SIMPSON LUS28 /1\ (STAINLESS STEEL) WITH SS SCNR RING SHANK NAILS.

PAINTS AND COATINGS

THE EXISTING HANDRAILING ON THE BOARDWALK (BENTS 29 THROUGH 36 AND AT WEST HANDICAP RAMP AND STAIRS) SHALL BE REMOVED AND REINSTALLED WITH THE NEW GUARD RAIL SYSTEM. THE EXISTING HANDRAILS SHALL BE CLEANED AND RECOATED WITH THE FOLLOWING COATING SYSTEM. NEW FASTENERS TO MATCH THE EXISTING SHALL BE UTILIZED FOR INSTALLATION. UPON FINAL INSTALLATION THE HANDRAIL

THE COATING OF THE METAL HANDRAIL SURFACES SHALL CONSIST OF THE SHERWIN WILLIMANS PROTECTIVE & MARINE COATING OR EQUAL.

• ONE COAT PRIME COAT MACROPOXY 646 AT 5-10 MIL DFT (FAST CURE EPOXY).

GENERAL NOTES

TWO COATS FINISH COAT ACROLON 218 HS AT 3-6 MIL DFT PER COAT (ACRYLIC POLYURETHANE).

SCH , CENSX. NO. 41671 * STATE OF YOR JOE, SIGNAL CONSIDERED SIGNED AND SEALED AND TH SIGNATURE MUST BE VERIFIED ON ANY

ADD STRAP REPLACEMENT AND ON-SITE INSPECTION RE-BID

WINTERBERRY BEACH ACCESS BOARDWALK REPAIRS





DAVID W SCHMITT P.E. NO.: 41671 HOLE MONTES, INC. 950 ENCORE WAY NAPLES EL 34110 CERTIFICATE OF AUTHORIZATION No.1772 DRAWING CURRENT AS OF: 9/11/24

340741-01-00 PROJECT NO HEET NO. 340741-01-00



WINTERBERRY BEACH ACCESS BOARDWALK REPAIRS





DAVID W. SCHMITT
P.E. NO.: 41671
HOLE MONTES, INC.
950 ENCORE WAY
NAPLES, FL. 34110
CERTIFICATE OF AUTHORIZATION No.1772

PROJECT LAYOUT

DRAWIN	NG CURRENT AS O	F: 9/11/24
	CAD FILE NAME:	DRAWING NO.:
	340741-01-001 P&P	_
	PROJECT NO.:	SHEET NO.:
	340741-01-001	3

SCALE: 1/16"=1'-0"

NOTES:

- REMOVE/REPLACE DECKING FROM BENT #16 TO BENT #20.
 METAL HANDRAIL BEGINS AT BENT #29 AND ENDS AT BENT #36, AND IS ALSO AT THE WEST RAMP AND
- STAIRS. IT SHALL BE REMOVED WITH GUARDRAIL REPLACEMENT AND RECOATED PRIOR TO RE-INSTALLATION.
- BENCHMARK LOCATED ON EAST SIDE OF PARK BENCH AT EAST END.
- LONGITUDINAL SLOPE NOT TO EXCEED 1 IN 22 (4.55%) IN NON-RAMP AREAS AND 1 IN 13 (7.69%) IN RAMP AREAS. (ADA = 1 in 20 AND 1 IN 12)
- CROSS SLOPE NOT TO EXCEED 34" IN 4' LEVEL.
- CONTACT CITY STAFF TO BE PRESENT TO INSPECT FRAMING IN BENTS 1 TO 7 AND IN RAMP/STAIR LANDING AREA (NON ACCESSIBLE DURING INSPECTION)
- SEE MÉASUREMENT TABLE FOR CAP BEAM ÁDJUSTMENT.
 EXISTING GUARDRAIL SHALL BE REMOVED AND REPLACED
- IN ITS ENTIRETY.

 PROVIDE ADDITIONAL BLOCKING AT CAP BEAMS AND
- DIAGONAL SUPPORTS PER DETAIL.

 REMOVE AND REPLACE ALL JOIST HANGERS PER DETAIL.
- AT LIMITED ACCESS LOCATIONS, IT IS UNKNOWN IF REPLACEMENT OF BEAM CAPS AND JOISTS MAY BE REQUIRED. DURING JOIST HANGER REPLACEMENT, REVIEW SHALL BE MADE. IF NECCESSARY CAP BEAM AND JOIST REPLACEMENT SHALL BE COMPLETED PER THE ESTABLISHED UNIT PRICES. THERE IS NO GUARANTEE THAT THESE UNIT PRICES OR QUANTITIES WILL BE USED.

			MEASUREME	NTS TABLE			
DENT LOCATION	C DICTANCE	€ ELEVATION		SLOPE (%)		CAP BEAM LEVEL	ADJUSTMENT
BENT LOCATION	© DISTANCE	EXIST	PROP	EXIST	PROP	(4-F00T)(H.RISE)	(Y/N)
#1		99.90'	99.90'			0"	N
	8'-0"			0.63	0.63		
#2		99.95'	99.95'			0"	N
	8'-0"			2.63	2.63		
#3		100.16'	100.16'			½" (S)	N
	8'-0"			0.50	0.50		
#4		100.20'	100.20'			1 ½" (N)	Y
	8'-0"			1.63	1.63		
#5		100.33'	100.33'			½" (N)	N
	7'-10 ½"			2.79	2.79		
#6		100.55	100.55'			¼" (N)	N
	6'-2"			2.76	2.76		
#7		100.72	100.72'			1" (N)	Y
	9'-8 ½"			3.00	3.00		
#8		101.01'	101.01'			0"	N
	7'-11"			1.52	1.52		
#9		101.13'	101.13'			0"	N
	8'-5"			1.54	1.54		
#10		101.26'	101.26'			1 ¼" (S)	Y
	7'-8"			2.74	2.74		
#11		101. 4 7'	101.47			0"	N
	8'-5"			2.14	2.14		
#12		101.65'	101.65'			0"	N
	7'-2"			3.49	3.49		
#13		101.90'	101.90'			7⁄8" (S)	Y
	8'-11"	<u></u>		0.22	0.22		·
#14		101.92'	101.92'			1 ¼" (S)	N
	10'-11 ½"			1.10	1.10		



◬	RE-BID	09/24
Λ	ADD STRAP REPLACEMENT AND ON-SITE INSPECTION	06/24

WINTERBERRY BEACH ACCESS BOARDWALK REPAIRS





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PLAN VIEW I

