## Treasure Island Treasure Island Central Beach Trail

Trail Walk Renovations Treasure Island Beach, Florida

### STRUCTURAL:

MASTER CONSULTING ENGINEERS, INC. 5523 CYPRESS STREET TAMPA, FL 33607 813/287-3600 813/287-3622 (FAX)

May 31, 2017 MCE PROJECT NO. 3124-073



### SITE LOCATION MAP NOT TO SCALE

### GENERAL NOTES

DEMOLITION AS LISTED BELOW OR AS REQUIRED BY THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE NOTED.

- . CONTRACTOR SHALL DEMOLISH AND REMOVE ALL ITEMS INDICATED AS SUCH ON THE DRAWINGS. CONTRACTOR SHALL REMOVALS NOT SPECIFICALLY CALLED FOR IN THE DRAWINGS AND SPECIFICATIONS, BUT REQUIRED TO ACHIEVE THE FINAL SPECIFICATIONS.
- DEBRIS CAUSED BY DEMOLITION. CONTRACTOR SHALL NOT
- 3. CONTRACTOR SHALL MAINTAIN WORK AREAS AND CONSTRUCTION PERIMETERS, INCLUDING VEHICLE/EQUIPMENT ACCESS WAYS, DEBRIS COLLECTION AREAS AND CONTRACTOR STAGING AREAS, FREE OF MISCELLANEOUS MATERIAL, SCRAP AND DEBRIS RESULTING FROM DEMOLITION OF WALKWAY
- 4. THE GENERAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH EACH TRADE WHETHER IT BE PRIME OR SUBCONTRACTOR. CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE JOB SITE AND NOTIFY THE ENGINEER OF ANY DIMENSIONAL ERRORS, OMISSIONS, OR DISCREPANCIES BEFORE BEGINNING OR FABRICATING ANY WORK. DO NOT SCALE THESE DRAWINGS.
- 5. CONTRACTOR SHALL PROTECT ALL EXISTING ADJACENT CONSTRUCTION TO PREVENT DAMAGE DURING DEMOLITION AND CONSTRUCTION AND AT ALL TIMES.
- 6. CONTRACTOR SHALL PATCH AND/OR REPAIR ALL EXISTING ADJACENT CONSTRUCTION AS MÁY BE REQUIRED AFTER

- 7. ALL MATERIAL AND EQUIPMENT REMOVED FROM THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR. EACH TRADE WEATHER IT BE THE GENERAL CONTRACTOR OR
- SUBCONTRACTOR IS RESPONSIBLE FOR THEIR OWN CUTTING. ALL PATCHING SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. 9. PRIOR TO INSTALLATION OF NEW MATERIALS MAKE SUBMITTAL
- OF SHOP DRAWINGS/SAMPLES FOR OWNER APPROVAL. ALL INSTALLATIONS AND PREPARATION OF SURFACES TO BE PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ANY AND ALL MISCELLANEOUS TRIM PIECES OR ACCESSORIES. 10. CONTRACTOR TO REVIEW CONDITIONS AND DOCUMENT ANY
- EXISTING DAMAGES PRIOR TO COMMENCING WORK. 11. THE WALKWAY DATA ON THE DRAWINGS IS REPRODUCED AS RECEIVED FROM \_\_\_\_ AND/OR RECORDED FROM OBSERVATIONS IN FIELD. BECAUSE THE DRAWINGS MAY NO REPRESENT THE EXISTING CONDITIONS ACCURATELY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND SUBMIT SHOP DRAWINGS OF ALL CONFLICTING CONDITIONS AND/OR LOCATIONS OF WORK, AND A WORKABLE SOLUTION TO ENGINEER FOR PRIOR APPROVAL BEFORE INSTALLING ANY QUESTIONABLE WORK.
- 12. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES IN THE DRAWINGS OR NOTES, CONTRACTOR SHALL REQUEST A CLARIFICATION TO THE ENGINEER PRIOR TO SUBMITTING THE BID. IN THE EVENT OF DISCREPANCIES, THE APPROPRIATE METHOD OF PERFORMING THE WORK AND/OR ITEMS TO BE INCORPORATED INTO THE SCOPE OF WORK SHALL BE
- DETERMINED BY THE ENGINEER OF RECORD. 13. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY, ACTIONS AND CONDUCT OF HIS EMPLOYEES AND HIS SUBCONTRACTORS' EMPLOYEES WHILE IN THE PROJECT AREA. ADJACENT AREAS AND IN THE BUILDING AND ITS VICINITY. CONTRACTOR SHALL PROVIDE APPROPRIATE PLATFORMS AND ACCESS TO PERFORM THE WORK PER OSHA REQUIREMENTS.

- 14. WEATHER CONDITIONS LIMITATIONS-PROCEED WITH WORK ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS COMPLY WITH MANUFACTURERS RECOMMENDATIONS AND
- WARRANTY REQUIREMENTS. 15. CONTRACTOR IS RESPONSIBLE FOR ANY WATER DAMAGE INCURRED DURING THE CONSTRUCTION PROCESS,
- 16. CONSTRUCT ALL NECESSARY CHUTES, PLATFORMS OR EDGE DEVICES TO PROTECT PROPERTY AND EQUIPMENT FROM DAMAGE. PROVIDE SPECIAL PROTECTION FOR ALL EXISTING WORK NOT BEING REMOVED.
- 17. CONTRACTOR TO PROVIDE PHOTOGRAPHIC DOCUMENTATION OF LANDSCAPING AROUND PERIMETER OF THE PROJECT PRIOR TO CONSTRUCTION AND AFTERWARDS.

### SEQUENCING OF WORK

- CONTRACTOR TO PROVIDE SCHEDULE OF WORK TO BE PERFORMED. CONTRACTOR'S PROPOSED SCHEDULING OF WORK SHALL BE COORDINATED WITH THE ENGINEER AND
- OF PERSONS AROUND THE AREAS AFFECTED BY THE CONSTRUCTION. CONDUCT OPERATIONS IN A WAY, AS TO PREVENT INJURY TO ADJACENT STRUCTURES, FACILITIES AND PERSONS. THE CONTRACTOR SHALL MEET WITH OSHA

### PROJECT ACCESS

- 1. SITE WILL BE OCCUPIED DURING THE DURATION OF THE
- TO THE PUBLIC. THE CONTRACTOR IS TO SUBMIT A CONSTRUCTION PHASING

- 2. PROJECT IS TO BE PERFORMED WHILE THE STREET SIDE AND THE BEACH SIDE OF TRAIL AREAS ARE ACCESSIBLE
- AND STAGING PLAN AS REQUIRED BY THE OWNER.

### **GULF BOULEVARD** Treasure Island Beach, Fl

### DRAWING INDEX

PROJECT NFORMATION AND LOCATION PLAN

### STRUCTURAL DEMOLITION PLANS

- SD1.00 OVERALL SITE KEY PLAN (DEMOLITION) SD2.00 PARTIAL SITE PLAN (DEMOLITION)
- SD2.01 PARTIAL SITE PLAN (DEMOLITION)
- SD2.02 PARTIAL SITE PLAN (DEMOLITION) SD2.03 PARTIAL SITE PLAN (DEMOLITION)
- SD2.04 PARTIAL SITE PLAN (DEMOLITION)
- SD2.05 PARTIAL SITE PLAN (DEMOLITION)
- SD2.06 PARTIAL SITE PLAN (DEMOLITION) SD2.07 PARTIAL SITE PLAN (DEMOLITION)
- SD2.08 PARTIAL SITE PLAN (DEMOLITION)
- SD2.09 PARTIAL SITE PLAN (DEMOLITION)

### STRUCTURAL RENOVATION PLANS

- L1.00 GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS
- L6.00 PARTIAL PLANS, SECTIONS AND DETAILS
- L6.01 PARTIAL PLANS
- L6.02 BEACH ACCESS NODE FEATURE AND FINISH DETAILS
- L6.03 BEACH ACCESS NODE AND TRAIL WALK JOINT PLANS
- SR1.00 OVERALL SITE KEY PLAN (RENOVATIONS)
- SR2.00 PARTIAL SITE PLAN (RENOVATIONS)
- SR2.01 PARTIAL SITE PLAN (RENOVATIONS) SR2.02 PARTIAL SITE PLAN (RENOVATIONS)
- SR2.03 PARTIAL SITE PLAN (RENOVATIONS)
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- SR2.07 PARTIAL SITE PLAN (RENOVATIONS)
- SR2.08 PARTIAL SITE PLAN (RENOVATIONS) SR2.09 PARTIAL SITE PLAN (RENOVATIONS)

### Issued For Bid

### Area of Work

PROJECT SITE MAP

NOT TO SCALE

	No.	Revision/Issue	Date
	1		
	2		
15.00	3		
10 T	4		
	5		
2000			

City of Treasure Island

108th Avenue

(727) 547-4575

Treasure Island Florida 33706

CONSULTING

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CA: 8426 PROJ NO. 2069-001

TREASURE ISLAND BEACH

TREASURE ISLAND

CENTRAL BEACH TRAIL

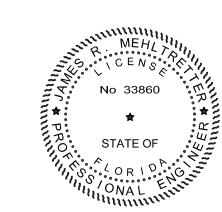
TRAIL WALK RENOVATIONS

TREASURE ISLAND BEACH, FLORIDA

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TREASURE ISLAND BEACH TRAIL WALKWAY REPAIRS

PROJECT INFORMATION AND **LOCATION PLAN** 

Project No. 2069-001	Scale 1" = 20'
Date 08/11/2017	Sheet
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Area of Work

NOT IN 2258' (±) CONTRACT 6 (2 6 - 6) 0 + 6 5, 6 5 6

Gulf of Mexico

### GENERAL STRUCTURAL NOTES

### **GENERAL NOTES:**

- 1. CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY AND COORDINATE ALL DIMENSIONS AND DETAILS BEFORE PROCEEDING WITH WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
- 2. DETAILS SHOWN IN ANY SECTION APPLY TO ALL SIMILAR SECTIONS AND CONDITIONS UNLESS NOTED OTHERWISE.
- 3. CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT ALL WORK IN PROGRESS UNTIL THE PROJECT IS COMPLETED. 4. ALL STRUCTURAL ITEMS FOR THIS PROJECT HAVE BEEN DESIGNED IN ACCORDANCE WITH APPROPRIATE PROVISIONS OF EACH OF THE
- A. THE FLORIDA BUILDING CODE, (FIFTH EDITION) 2014. ACI STANDARD 318-11 BUILDING CODE REQUIREMENTS FOR
- REINFORCED CONCRETE. ASCE 7-10 (WITH ERRATA DATED JANUARY 11, 2011) "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES".
- 5. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND THE CIVIL SITE DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF RECORD (E.O.R.) PRIOR TO PERFORMING WORK. IN CASE OF CONFLICT THE MOST STRINGENT CONDITION SHALL APPLY.

### CONCRETE AND REINFORCING:

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI-318".
- 2. ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH AS PER THE SUGGESTED MIX DESIGN THIS DRAWING AND AS

CONCRETE	MAX WATER	<u>TYPE</u>	LOCATION USED
STRENGTH	CEMENT RATIO	AGGREGATE	
4000 PSI	0.50	STONE	CONCRETE U.N.O.

- 3. ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE, NEW BILLET STEEL, DEFORMED BARS, CONFORMING TO ASTM A-615, GRADE 60. ALL REINFORCING STEEL SHALL BE EPOXY COATED AND SHALL CONFORM TO ASTM A-934. ALL BARS SHALL BE SECURELY SUPPORTED AND WIRED IN PLACE. PRIOR TO POURING CONCRETE.
- 4. ALL WELDED WIRE FABRIC (W.W.F.) IN FLAT SHEETS ONLY AND SHALL CONFORM TO ASTM A-185. 5. UNLESS NOTED, ALL BARS MARKED CONTINUOUS SHALL BE SPLICED AT ALL LAP POINTS AND CORNERS AND DEVELOPED AT NON-CONTINUOUS
- ENDS AS PER TYPICAL DETAILS. 6. CONCRETE COVER FOR REINFORCING BARS SHOWN IN TYPICAL DETAILS.
- 7. UNLESS NOTED MINIMUM, TEMPERATURE REINFORCING (ASTM A-615/A-60) TO BE 0.0018 X CONCRETE AREA. 8. ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED JUST BEFORE PLACING NEW CONCRETE IN ACCORDANCE WITH THE BUILDING
- 9. FOR CHAMFER OF EXPOSED CORNERS OF CONCRETE WALLS AND
- SLABS, SEE SECTIONS AND DETAILS. 10. CONTRACTOR SHALL COORDINATE PLACEMENT OF, OR BOX OUT FOR, ALL PIPE SLEEVES, OPENINGS, ETC, REQUIRED FOR VARIOUS TRADES.
- 11. CONTRACTOR SHALL COORDINATE AND NOTIFY OTHER TRADES IN SUFFICIENT TIME TO ALLOW THEM TO SET ANCHORS, INSERTS, BOLTS, HANGERS, ETC., AS REQUIRED FOR THEIR USE.
- 12. UNDER NO CIRCUMSTANCES SHALL CONCRETE BE PUMPED THROUGH ALUMINUM PIPES. CONCRETE SHALL NOT BE PLACED IN CONTACT WITH ALUMINUM, ALUMINUM MIXING DRUMS, TRUCK MIXERS, BUGGIES, CHUTES, CONVEYORS, TREMIE PIPES, AND OTHER EQUIPMENT MADE OF
- ALUMINUM SHALL NOT BE USED ON THIS PROJECT. 13. SLUMPS OF OVER 4 INCHES WILL NOT BE PERMITTED UNLESS THE HRWR ADMIXTURE (SUPER PLASTICIZER) IS USED. MAXIMUM SLUMP IS THEN 8 INCHES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 14. NO ADMIXTURE SHALL BE USED IN CONCRETE EXCEPT WITH THE APPROVAL. ALL ADMIXTURES SHALL CONTAIN NO MORE CHLORIDE IONS THAN ARE PRESENT IN MUNICIPAL DRINKING WATER.
- 15. WATER REDUCING ADMIXTURE SHALL CONFORM TO THE ASTM C-494, TYPE A, AND SHALL BE USED IN ALL CONCRETE.
- 16. AIR ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260. 17. ALL EXPOSED CONCRETE SLABS SHALL RECEIVE A CURING COMPOUND. THE CURING COMPOUND SHALL CONFORM TO ASTM C309 AND SHALL HAVE 30% SOLIDS MINIMUM. WATER/BLANKET CURING AS PER ACI
- RECOMMENDATION MAY BE USED AS ALTERNATE. 18. SUBMIT SHRINKAGE TEST FOR PROPOSED MLV IN ACCORDANCE WITH ASTM C157 MODIFIED 7 DAY MOIST CURING.

### **FOUNDATION NOTES:**

- FOUNDATIONS FOR THIS PROJECT HAVE BEEN DESIGNED FOR 2000 PSF. FILL AND SUBGRADE PREPARATION SHALL BE AS NEEDED TO OBTAIN THE SAFE BEARING PRESSURE INDICATED IN NOTE 1. ALL ORGANICS AND UNSUITABLE SOIL SHALL BE REMOVED AND A MINIMUM OF 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY ASTM D-1557 MUST BE OBTAINED UNLESS GEOTECHNICAL ENGINEER RECOMMENDATIONS ALLOW A LOWER PERCENT OF COMPACTION.
- ALL COLUMN FOOTINGS SHALL BE CENTERED UNDER COLUMN CENTERLINES UNLESS OTHERWISE NOTED.
- BACKFILLING AGAINST FOUNDATION WALLS SHALL BE DONE CAREFULLY WITH SMALL COMPACTION EQUIPMENT, AFTER SLABS ON GROUND ARE IN PLACE AND CONCRETE HAS SET. NO TRUCKS, BULLDOZERS, ETC. SHALL BE ALLOWED CLOSER THAN 6'-0" TO ANY FOUNDATION WALL. ANY WALL 3'-0" OR HIGHER MUST BE BRACED DURING THE
- CONSTRUCTION PROCESS. NO FOUNDATIONS SHALL BE PLACED ABOVE 1 VERTICAL ON 2 HORIZONTAL SLOPES EXTENDED FROM THE CLOSEST EDGE OF ANY UNDISTURBED SOIL OR OTHER FOUNDATION STRUCTURE. BOTTOM OF FOOTINGS SHALL NOT BE LESS THAN 1'-0" BELOW EXISTING GRADE
- 6. FOR FOUNDATIONS SIZE AND REINFORCING SEE SCHEDULE.

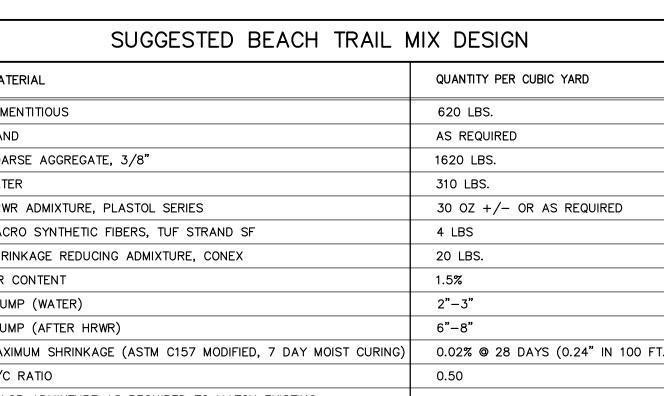
### POST -INSTALLED ANCHORS

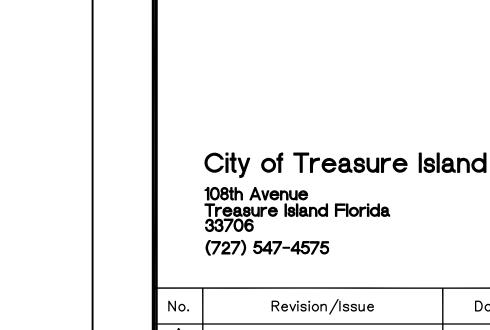
- 1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. SPECIAL INSPECTIONS (ARE/ ARE NOT) REQUIRED PER THE PROVISIONS SET FORTH BELOW. CONTRACTOR TO CONTACT MANUFACTURER'S REPRESENTATIVE FOR PROPER PRODUCT INSTALLATION TRAINING ON INITIAL ANCHORS.
- SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW, SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.
- 3. EXPANSION ANCHORS SHALL BE STUD TYPE WITH A SINGLE PIECE OF THREE SECTION WEDGE AND ZINC PLATED IN ACCORDANCE WITH ASTM B633. THE ANCHORS SHALL MEET FEDERAL SPECIFCATIONFF-S-325, GROUP II, TYPE 4, CLASS I FOR CONCRETE EXPANSION ANCHORS. ANCHORS SHALL BE HILTI KWIK BOLT II AS SUPPLIED BY HILTI INC. TULSA OKLAHOMA. ANCHORS SHALL BE INSTALLED IN HOLES DRILLED WITH HILTI CARBIDE TIPPED DRILL BITS OR MATCHED TOLERANCE DIAMOND CORE BITS. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
- 4. INJECTED ADHESIVE ANCHORS SHALL BE USED FOR INSTALLATION OF THREADED RODS. ADHESIVE SHALL BE FURNISHED IN A SIDE BY SIDE REFILL PACK WHICH KEEP COMPONENT A AND B SEPARATE. INJECTION ADHESIVE SHALL BE HILTI HIT HY 150 AS SUPPLIED BY HILTI INC. TULSA OKLAHOMA. ANCHOR RODS MEET ASTM F1554 (36 KSI). NUTS AND WASHERS SHALL BE FURNISHED TO MEET THE REQUIREMENTS OF AN ASTM F1554 (36 KSI) STEEL ROD.

#### **SHOP DRAWINGS:**

- NO STRUCTURAL DRAWINGS SHALL BE REPRODUCED FOR USE AS SHOP DRAWINGS. ALL DIMENSIONAL COORDINATION SHALL BE DONE BY THE CONTRACTOR
- AND/OR HIS DETAILER. DETÁILER SHALL CHECK ALL ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL ATTACHMENTS, CLIPS, OPENINGS, OR CONDUITS AFFECTING STRUCTURAL MEMBERS. ALL ITEMS SHALL BE SHOWN ON
- 4. ALL SHOP DRAWINGS SHALL BE SUBMITTED ELECTRONICALLY IN PDF FORMAT. DISTRIBUTION AS PER ENGINEERS INSTRUCTIONS.
- PROVIDE SUFFICIENT SPACE ON SHOP DRAWINGS NEAR TITLE BOX (ABOUT 40 SQUARE INCHES) FOR STAMPS AND ENGINEERS COMMENTS. THE SHOP DRAWINGS SHALL BEAR INITIALS OF DETAILER'S CHECKER
- AND CONTRACTOR PRIOR TO SUBMISSION. COMPLETED ERECTION PLANS SHALL BE SUBMITTED PRIOR TO OR IN CONJUNCTION WITH DETAIL DRAWINGS. BUT IN NO CASE SHALL DETAIL
- DRAWINGS BE SUBMITTED PRIOR TO ERECTION PLANS. 8. DETAILER SHALL SUBMIT AN INDEX OF THE DETAIL DRAWINGS WITH EACH SHOP DRAWING SUBMITTAL.
- SHOP DRAWINGS NOT COMPLYING WITH ALL THE ABOVE ITEMS SHALL BE RETURNED FOR CORRECTIONS WITHOUT PROCESSING. RESUBMITTED SHOP DRAWINGS SHALL HAVE THE FOLLOWING CHANGES INCORPORATED: FIRST RESUBMISSION TO HAVE LETTER "A" ADDED TO DRAWING
- A. NUMBER AND ANY CHANGES MARKED ON THE DRAWING MARKED 1 AT EACH ITEM CHANGED. ALL ITEMS TO BE NOTED IN
- B. SUBSEQUENT RESUBMISSION SHALL BEAR CHANGES "B" AND 2 AND 3 ETC. AS IN 11A.
- 11. CONTRACTOR SHALL HAVE SHOP DRAWINGS WHICH HAVE BEEN SATISFACTORILY REVIEWED BY THE ARCHITECT AND/OR ENGINEER AND CONFIRMED BY THE CONTRACTOR BEFORE PROCEEDING WITH ANY
- 12. DETAILER SHALL USE THE SAME STRUCTURAL ELEMENT NUMBER IN HIS DETAILS AS THOSE SHOWN ON CONTRACT DRAWINGS.
- SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOULD BE SUBMITTED TO MCE WITH A MINIMUM TIME TO BE REVIEWED OF 10 WORKING DAYS. IN CASE OF A LARGE SUBMITTAL OR MORE THAN ONE SUBMITTAL FOR THE SAME PROJECT, AN ADDITIONAL WORKING DAY IS REQUIRED FOR EVERY 5 DRAWINGS/SHEETS OVER 30 DRAWINGS/SHEETS. THE TIME INDICATED ABOVE IS FOR MCE REVIEW ONLY, CONTRACTOR MUST INCLUDE ENOUGH TIME FOR DELIVERY,
  ARCHITECTURAL REVIEW, AND OWNERS REVIEW AND WORK THIS TIME IN PROJECT SCHEDULE AS NEEDED.
- HERE SHALL BE NO DEVIATION FROM THESE CONSTRUCTION OCUMENTS. IF ANY CHANGES ARE PROPOSED BY THE CONTRACTOR <u>OR THE PROVIDER OF THE SHOP DRAWINGS, THEY SHOULD BE CLEARLY</u> NDICATED, SIGNED AND SEALED DRAWINGS AND CALCULATIONS BY FLORIDA PROFESSIONAL ENGINEER MUST BE PROVIDED. ANY CHANGES <u>WITHOUT PROPER DOCUMENTATION INDICATED ABOVE WILL RESULT IN</u> SOME REVISIONS BY THE ENGINEER OF RECORD AND/OR ARCHITECT.
  THE COST FOR THESE REVISIONS INCLUDING ENGINEER AND
  ARCHITECTURAL FEES SHALL BE PAID BY THE CONTRACTOR.

SUGGESTED BEACH TRAIL MIX DESIGN		
MATERIAL	QUANTITY PER CUBIC YARD	
CEMENTITIOUS	620 LBS.	
SAND	AS REQUIRED	
COARSE AGGREGATE, 3/8"	1620 LBS.	
WATER	310 LBS.	
HRWR ADMIXTURE, PLASTOL SERIES	30 OZ +/- OR AS REQUIRED	
MACRO SYNTHETIC FIBERS, TUF STRAND SF	4 LBS	
SHRINKAGE REDUCING ADMIXTURE, CONEX	20 LBS.	
AIR CONTENT	1.5%	
SLUMP (WATER)	2"-3"	
SLUMP (AFTER HRWR)	6"-8"	
MAXIMUM SHRINKAGE (ASTM C157 MODIFIED, 7 DAY MOIST CURING)	0.02% @ 28 DAYS (0.24" IN 100 FT.	
W/C RATIO	0.50	
COLOR ADMIXTURE AS REQUIRED TO MATCH EXISTING		





3-100

Date Revision/Issue

108th Avenue

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TREASURE ISLAND BEACH

TREASURE ISLAND

**CENTRAL BEACH TRAIL** 

TRAIL WALK RENOVATIONS

TREASURE ISLAND BEACH, FLORIDA

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TAMPA, FLORIDA 33607

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TREASURE ISLAND BEACH TRAIL WALKWAY REPAIRS

GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS

Project No. 2069-001 Scale 1" = 20' ate 08/11/2017

TYPICAL SLAB ON GRADE EXISTING/NEW JOINT DETAIL SCALE: N.T.S.

1/2"ø (SMOOTH BAR) SPA @ 32" OC

(GREASED), TYP

PVC SLEEVE, TYP

NEW #3@12" OC CENTERED IN SLAB

₹ EXP JOINT

₹ EXP JOINT

SECOND POUR

#4@16" OC X 2'-0" LONG

DOWELS, TYP

PVC SLEEVE, TYP

TREMCO-SPECTREM

JOINT SEALANT, TYP

CONC SLAB

TREMCO-SPECTREM

JOINT SEALANT, TYP COLOR TO MATCH

CONC SLAB

SIKA SPEED DOWEL

FIRST POUR

DRILL AND EPOXY DOWEL

INTO EXIST CONC SLAB W/HILTI HIT HY-200 ADHESIVE,
BARS SHALL BE PLACED

PERPENDICULAR TO EXISTING

COLOR TO MATCH

THE MINIMUM CLEAR COVER FOR REINFORCEMENT BARS SHALL BE ONE BAR DIAMETER OR THE VALUES TABULATED BELOW, WHICHEVER IS THE SLABS (STONE CONC.) FOUNDATION ELEMENTS FORMED SURFACES SURFACES PLACED AGAINST EARTH WALLS SURFACES EXPOSED TO EARTH SURFACES EXPOSED TO WEATHER 1 1/2" OTHER SURFACES

TYPICAL CONCRETE COVER FOR REINFORCING BARS

f'c = 4000 PSI, NORMAL WEIGHT

		TENSION LAP SPLICES				
BAR	LAP	LAP LENGTH PER SPACING AND COVER CASE  CASE 1 CASE 2				COMPRESSIC LAP SPLICE
SIZE	CLASS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	
#3	A B	19 24	15 19	28 36	22 28	12
#4	A B	25 32	19 25	37 48	29 37	15
<b>#</b> 5	A B	31 40	24 31	47 60	36 47	19
#6	A B	37 48	29 37	56 72	43 56	23
<b>#</b> 7	A B	54 70	42 54	81 106	63 81	26
#8	A B	62 80	48 62	93 121	71 93	30
#9	A B	70 91	54 70	105 136	81 105	34
#10	A B	79 102	61 79	118 153	91 118	38
#11	A B	87 113	67 87	131 170	101 131	42

NOTES: CASE 1 BEAMS AND COLUMNS: CONCRETE COVER >/= TO BAR DIAMETER, C-C BAR SPACING >/= TO 2X BAR DIAMETER AND WITH STIRRUPS OR TIES THROUGHOUT TENSION LAP SPLICE LENGTH NOT LESS THAN THE CODE OTHER MEMBERS: CONCRETE COVER >/= TO THE BAR DIAMETER AND C-C BAR SPACING >/= TO 3X BAR BEAMS AND COLUMNS: OTHER MEMBERS:

CONCRETE COVER < BAR DIAMETER AND C-C BAR SPACING < 2X BAR DIAMETER. CONCRETE COVER < BAR DIAMETER OR C-C BAR SPACING < 3X BAR DIAMETER. \* LAP CLASS "B" IS TO BE USED UNLESS

OTHERWISE SPECIFIED IN THESE CONTRACT

DOCUMENTS

TENSION AND COMPRESSION LAP SPLICES WITH F'c = 4000 PSI

3-066

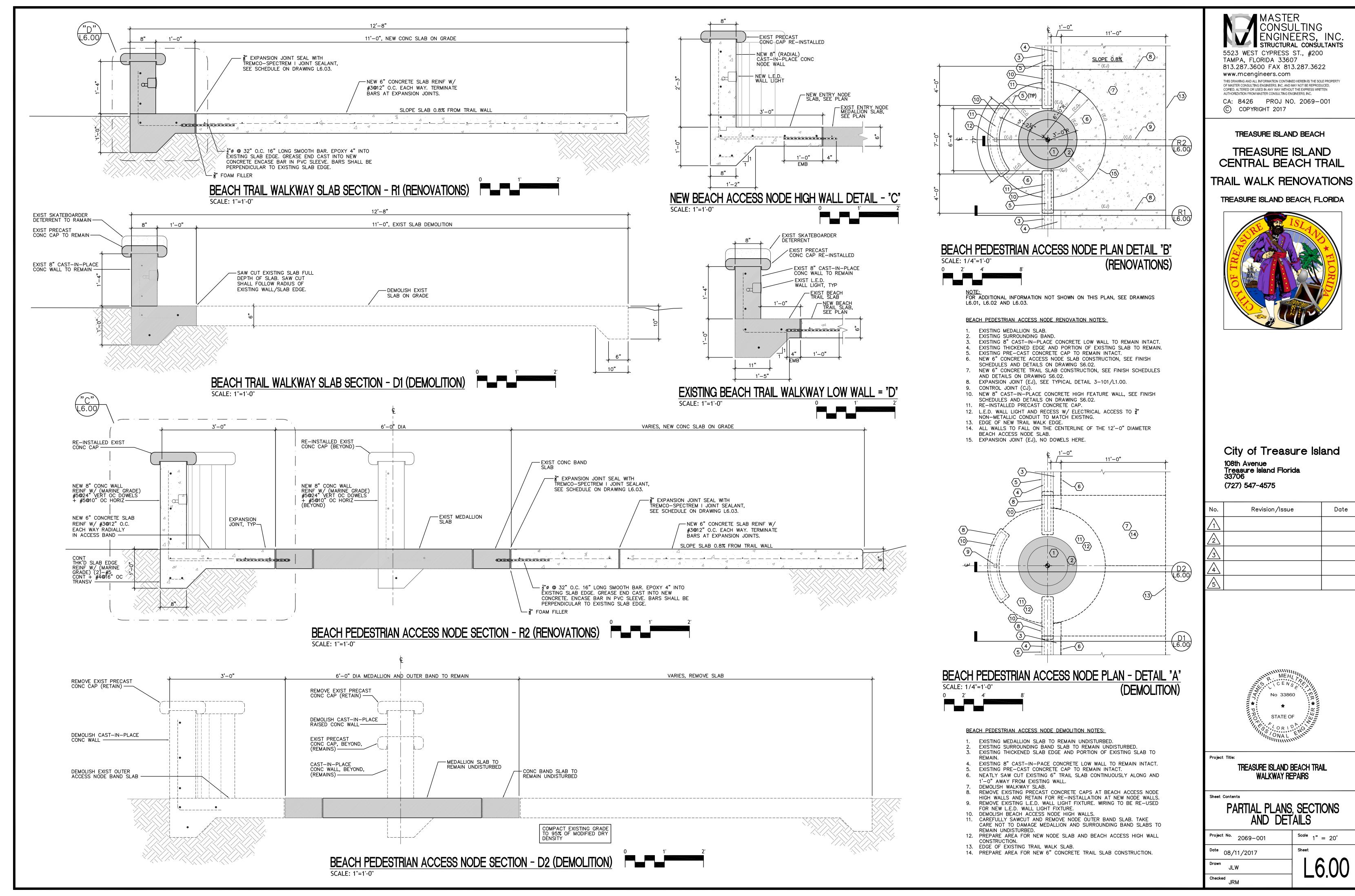
TYPICAL SLAB ON GRADE NEW/NEW JOINT DETAIL SCALE: N.T.S.

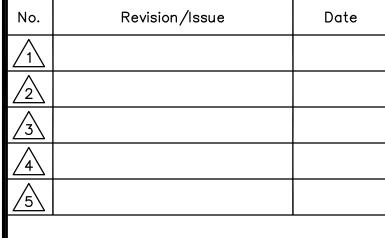
NEW #3@12" OC CENTERED IN SLAB

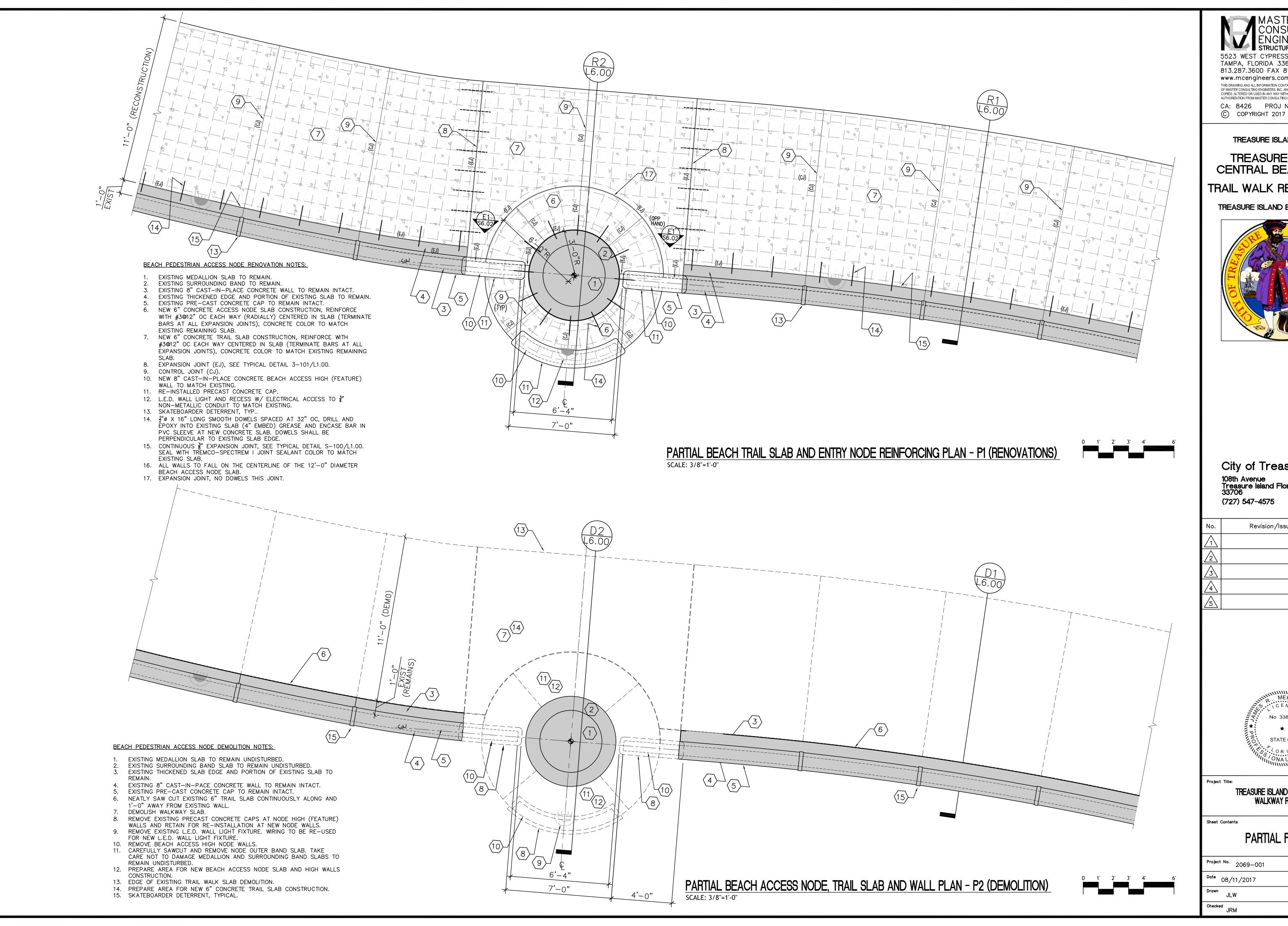
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Checked







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TREASURE ISLAND BEACH

### TREASURE ISLAND CENTRAL BEACH TRAIL

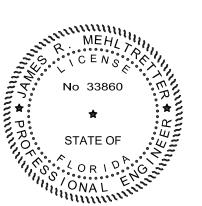
### TRAIL WALK RENOVATIONS

### TREASURE ISLAND BEACH, FLORIDA



### City of Treasure Island 108th Avenue Treasure Island Florida 33706 (727) 547-4575

No.	Revision/Issue	Date
1		
2		
3		
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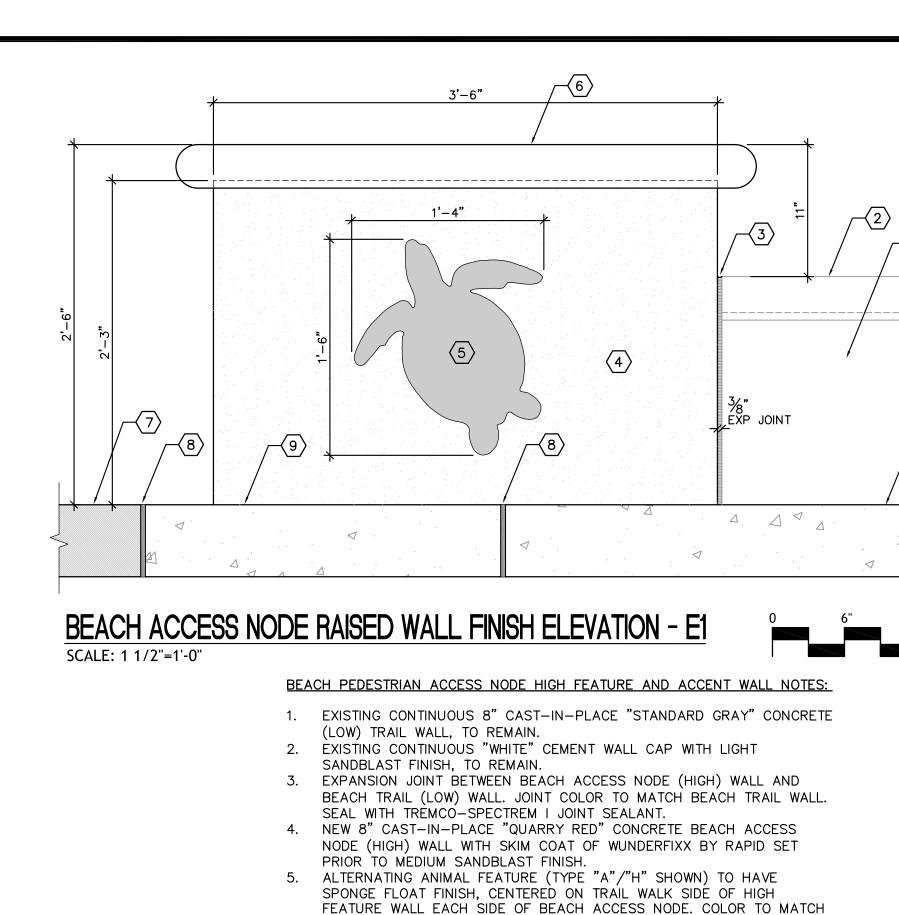


TREASURE ISLAND BEACH TRAIL WALKWAY REPAIRS

PARTIAL PLANS

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# BEACH ACCESS NODE HIGH WALL ANIMAL FIGURE LEGEND SCALE: 1/2"=1'-0"

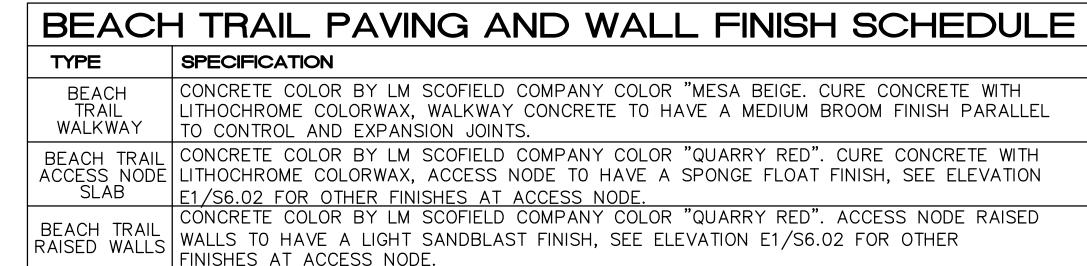


LOCATIONS.

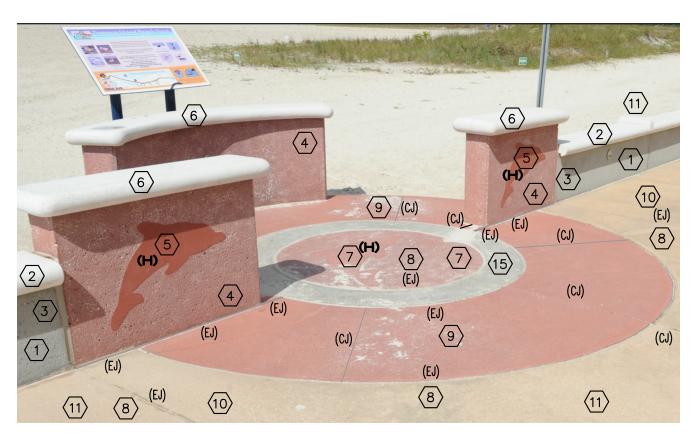
# 7. EXISTING CAST-IN-PLACE CONCRETE GROUND ANIMAL "QUARRY RED" MEDALLION AND "GRAY" SURROUNDING BAND. 8. NEW CONTINUOUS § EXPANSION JOINT. SEAL WITH TREMCO-SPECTREM I JOINT SEALANT. JOINT COLOR "GRAY". 9. 6" THICK X 12'-0" DIAMETER CAST-IN-PLACE "QUARRY RED" CONCRETE TRAIL ACCESS NODE SLAB. 10. NEW 6" THICK CAST-IN-PLACE "MESA BEIGE" (VERIFY COLOR) CONCRETE TRAIL WALK SLAB WITH BROOM FINISH PARALLEL TO JOINTS ,MATCH EXISTING REMAINING TRAIL SLAB. 11. SKATEBOARDER DETERRENT, TYPICAL. BEACH TRAIL PAVING AND WALL FINISH SCHEDU

WALL. SEE SITE PLANS FOR ALTERNATE ANIMAL FEATURE TYPE

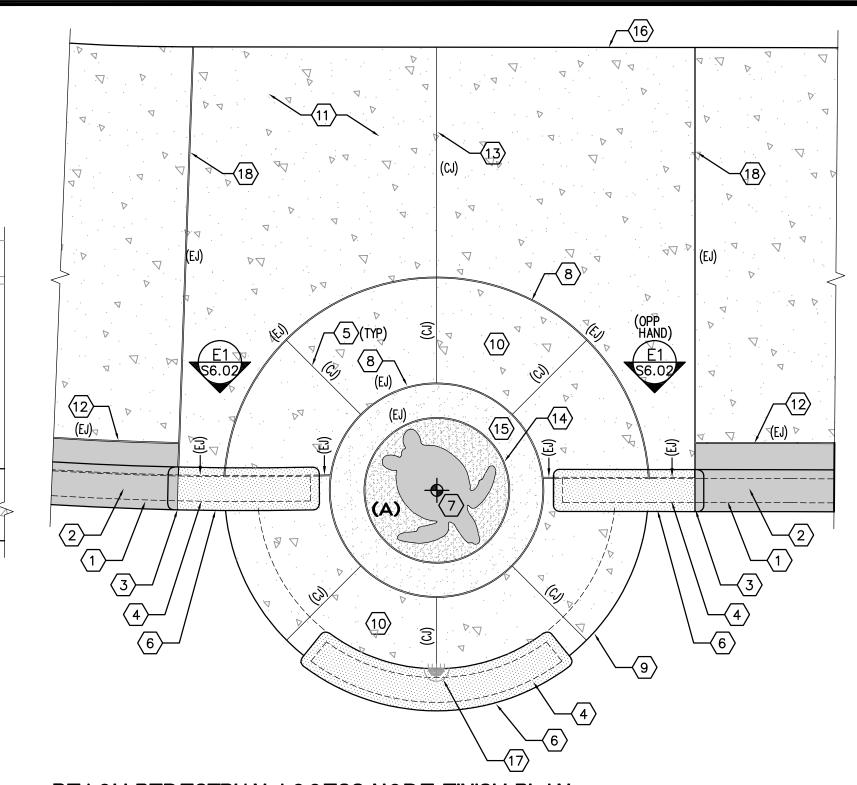
6. EXISTING RE-INSTALLED "WHITE" CEMENT WALL CAP.



BE	BEACH ACCESS NODE WALL ANIMAL FEATURE SCHEDULE					
MARK	ANIMAL TYPE	COLOR	ANIMAL FINISH	WALL FINISH	REMARKS	
(A)	TURTLE	QUARRY RED	SPONGE FLOAT	MEDIUM SANDBLAST	HIGH WALL ANIMAL FEATURE TO MATCH GROUND ANIMAL FEATURE	
(B)	STARFISH	QUARRY RED	SPONGE FLOAT	MEDIUM SANDBLAST	HIGH WALL ANIMAL FEATURE TO MATCH GROUND ANIMAL FEATURE	
(C)	STING RAY	QUARRY RED	SPONGE FLOAT	MEDIUM SANDBLAST	HIGH WALL ANIMAL FEATURE TO MATCH GROUND ANIMAL FEATURE	
(D)	SEA HORSE	QUARRY RED	SPONGE FLOAT	MEDIUM SANDBLAST	HIGH WALL ANIMAL FEATURE TO MATCH GROUND ANIMAL FEATURE	
<b>(E)</b>	CRAB	QUARRY RED	SPONGE FLOAT	MEDIUM SANDBLAST	HIGH WALL ANIMAL FEATURE TO MATCH GROUND ANIMAL FEATURE	
(F)	PIN FISH	QUARRY RED	SPONGE FLOAT	MEDIUM SANDBLAST	HIGH WALL ANIMAL FEATURE TO MATCH GROUND ANIMAL FEATURE	
(G)	PELICAN	QUARRY RED	SPONGE FLOAT	MEDIUM SANDBLAST	HIGH WALL ANIMAL FEATURE TO MATCH GROUND ANIMAL FEATURE	
(H)	PORPOISE	QUARRY RED	SPONGE FLOAT	MEDIUM SANDBLAST	HIGH WALL ANIMAL FEATURE TO MATCH GROUND ANIMAL FEATURE	



TYPICAL BEACH ACCESS NODE CONCRETE FINISH SCHEME SCALE: NONE



### BEACH PEDESTRIAN ACCESS NODE FINISH PLAN SCALE: 3/8"=1'-0"

### BEACH PEDESTRIAN ACCESS NODE COLOR AND FINISH PLAN NOTES:

- EXISTING CONTINUOUS 8" CAST-IN-PLACE "STANDARD GRAY" CONCRETE (LOW)
  TRAIL WALL, TO REMAIN.
- 2. EXISTING CONTINUOUS "WHITE" CEMENT WALL CAP WITH LIGHT SANDBLAST FINISH, TO REMAIN.
- EXPANSION JOINT BETWEEN BEACH ACCESS NODE HIGH WALL AND BEACH TRAIL LOW WALL. JOINT COLOR "DUSTY ROSE". SEAL WITH TREMCO—SPECTREM I JOINT SEALANT.
- NEW 8" CAST-IN-PLACE "QUARRY RED" CONCRETE BEACH ACCESS NODE
   (HIGH) WALL TO HAVE SKIM COAT OF WUNDERFIXX BY RAPID SET PRIOR TO
   MEDIUM SANDBLAST FINISH. ALL WALLS TO FALL ON THE CENTERLINE OF THE
   12'-0" DIAMETER BEACH ACCESS NODE CIRCLE.
   SAWED CONTROL JOINT, TYPICAL.
- 6. EXISTING RE-INSTALLED "WHITE" CEMENT WALL CAP.
- 7. EXISTING CAST-IN-PLACE CONCRETE ALTERNATING GROUND ANIMAL FEATURE (TYPE "A" SHOWN). SEE PLAN FOR TYPE AND LOCATIONS.
- 8. NEW CONTINUOUS 3" EXPANSION JOINT (EJ), NO DOWELS HERE. SEAL WITH TREMCO—SPECTREM I JOINT SEALANT. JOINT COLOR TO MATCH BEACH TRAIL
- 9. CONTINUOUS CAST—IN—PLACE 1'—0" DEEP X 11" WIDE THICKENED SLAB EDGE.
  10. 6" THICK CAST—IN—PLACE "QUARRY RED" CONCRETE TRAIL ACCESS NODE
- SLAB.
  11. NEW 6" THICK TRAIL WALK. COLOR "MESA BEIGE" TO MATCH EXISTING.
- 12. CONTINUOUS & EXPANSION JOINT (EJ), SEE TYPICAL DETAIL 3-100/L1.00.

  JOINT COLOR TO MATCH BEACH TRAIL WALK. SEAL WITH TREMCO-SPECTREM I
- 13. CONTINUOUS SAWED CONTROL JOINT TO MATCH LOCATION OF EXISTING BEACH TRAIL JOINT LOCATIONS.
- 14. EXISTING GROUND ANIMAL FEATURE MEDALLION "QUARRY RED" (TYPE "A"
- SHOWN). SEE PLAN FOR TYPE AND LOCATION.

  15. EXISTING 12" CONCRETE RING SURROUNDING ANIMAL MEDALLION COLOR "GRAY"

  WATER THE ACT. FINISH.
- WITH HEAVY SANDBLAST FINISH. 16. EDGE OF TRAIL WALK SLAB.
- 17. L.E.D. WALL LIGHT AND RECESS WITH ELECTRICAL ACCESS TO 3" DIAMETER NON-METALLIC CONDUIT.
- 18. NEW CONTINUOUS 3" EXPANSION JOINT (EJ), SEE TYPICAL DETAIL 3-101/L1.00.

  JOINT COLOR TO MATCH BEACH TRAIL WALK. SEAL WITH TREMCO-SPECTREM I

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### TREASURE ISLAND BEACH

# TREASURE ISLAND CENTRAL BEACH TRAIL

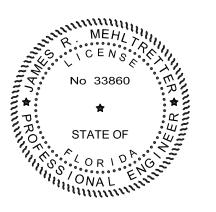
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TRAIL WALK RENOVATIONS



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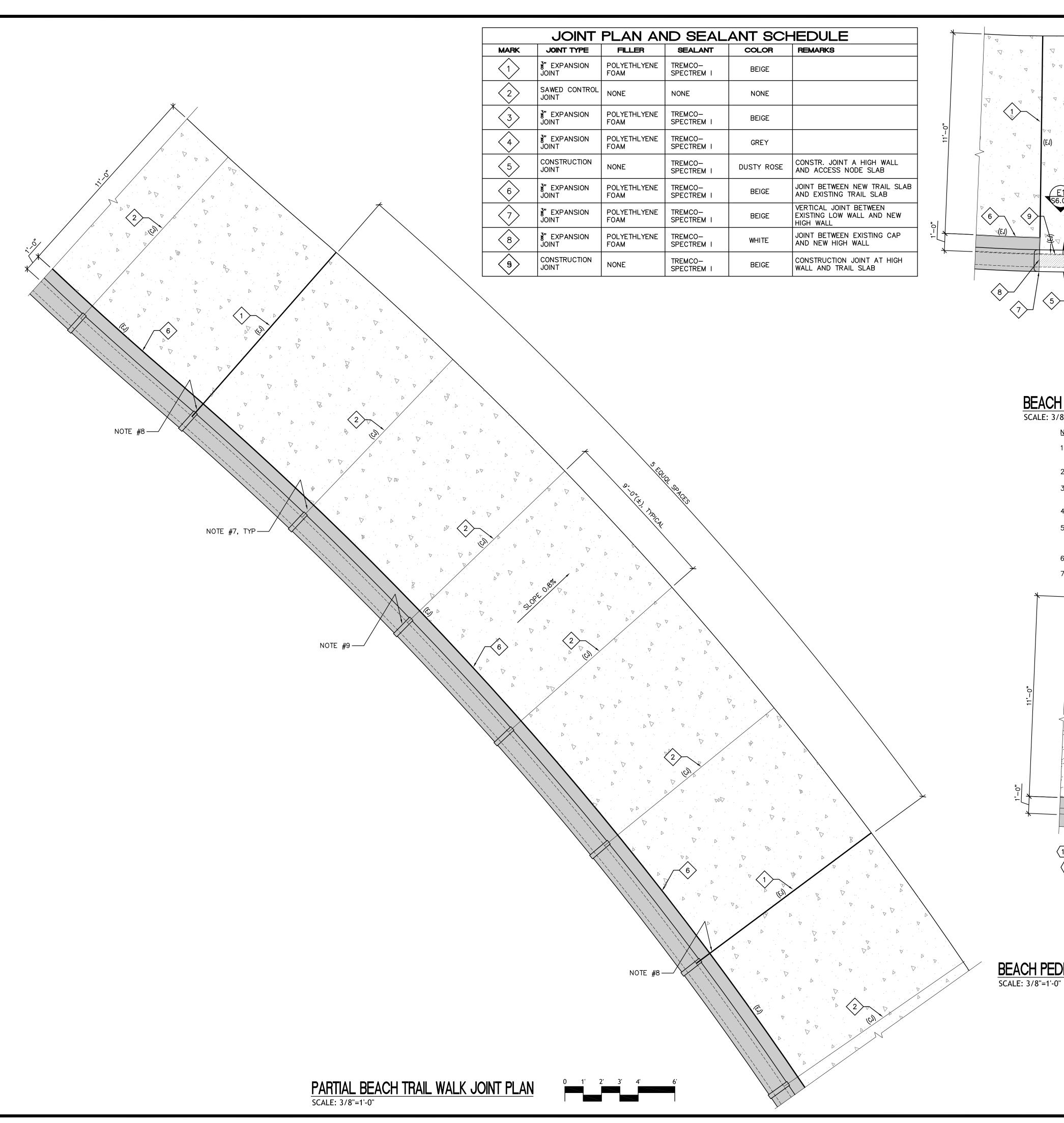


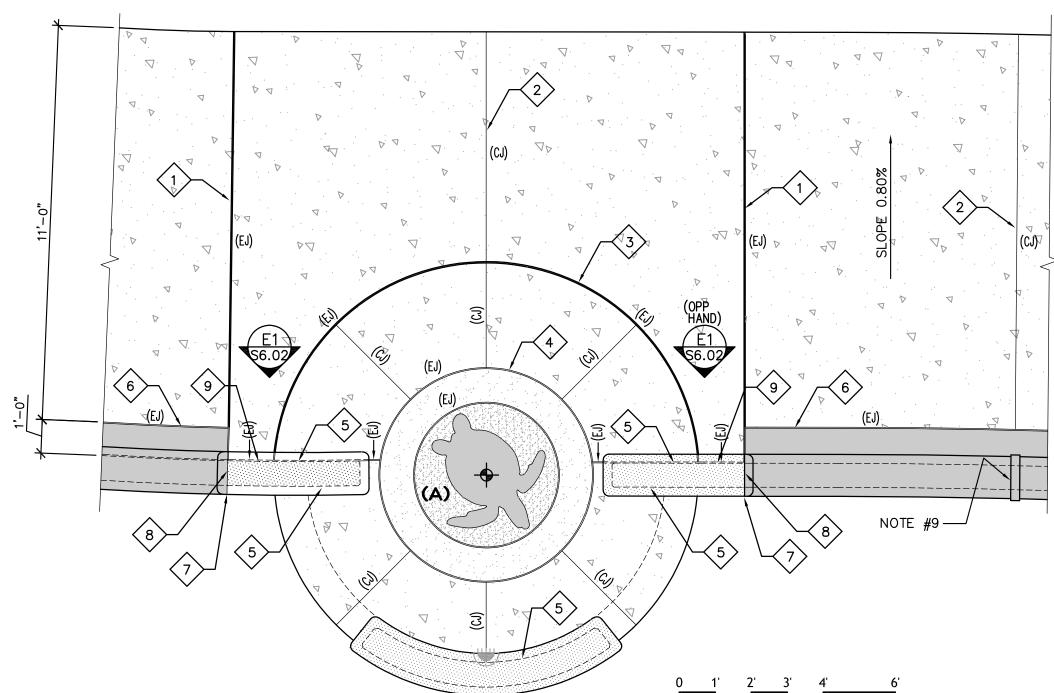
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TREASURE ISLAND BEACH TRAIL WALKWAY REPAIRS

### BEACH ACCESS NODE FEATURE AND FINISH DETAILS

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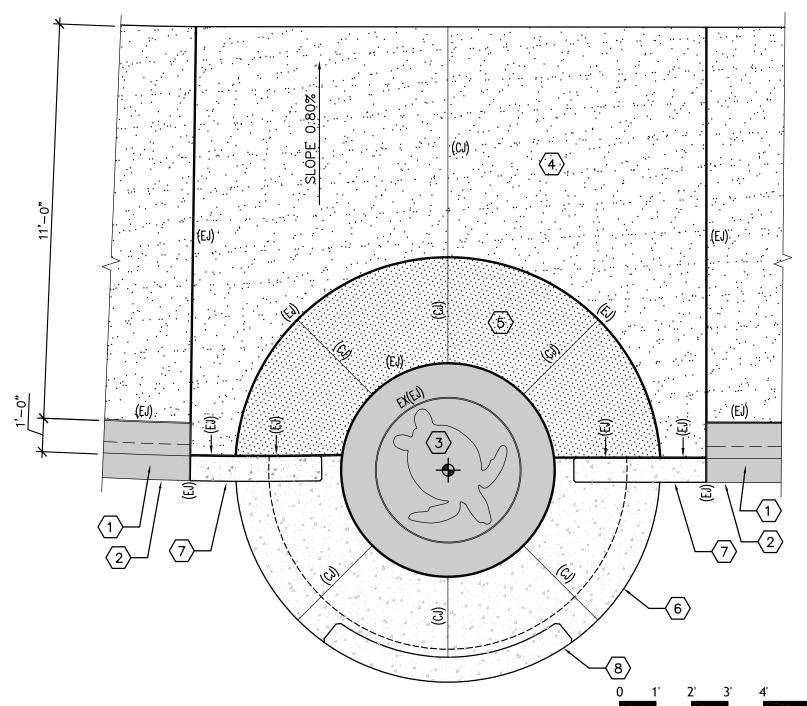




### BEACH PEDESTRIAN ACCESS NODE AND TRAIL WALK JOINT PLAN

SCALE: 3/8"=1'-0"

- 1. ALL NEW TRAIL SLAB EXPANSION (EJ) AND SAWED CONTROL (CJ) JOINTS SHALL ALIGN WITH EXISTING REMAINING JOINTS. SEE DRAWINGS SR2.00 THRU SR2.09 FOR LOCATIONS.
- 2. ALL NEW BEACH PEDESTRIAN ACCESS NODE EXPANSION (EJ) AND SAWED CONTROL JOINTS (CJ) SHALL BE AS SHOWN ON PLAN.
- POLYETHYLENE FOAM FILLER MATERIAL TO BE FLEXIBLE, NON-STAINING, UV STABLE COMPRESSIBLE FOAM WITH A PRE-SCORED REMOVABLE TOP STRIP
- TO PROVIDE UNIFORM SEALING RESERVOIR ALONG THE JOINT. 4. FOLLOW MANUFACTURER SPECIFICATIONS FOR SEALANT APPLICATION AND INSTALLATION.
- 5. SAWCUT CONTROL JOINTS TO BE 1 OF SLAB THICKNESS AND BE INSTALLED WITH A WET CUT SAW 2 TO 8 HOURS AFTER SURFACE FINISH IS APPLIED. JOINT TO BE PLACED PERPENDICULAR TO TRAIL AND CONTINUOUS ACROSS TRAIL SLAB PRIOR TO WALL CONSTRUCTION.
- NEW SEALANT COLOR TO MATCH COLOR OF EXISTING SEALANT WHERE NEW AND EXISTING JOINTS OCCUR.
- 7. EXISTING SKATEBOARDER DETERRENT, TYPICAL.



### BEACH PEDESTRIAN ACCESS NODE AND TRAIL WALK CONCRETE POUR DIAGRAM

### NOTES:

- EXISTING CONTINUOUS THICKENED CONCRETE SLAB EDGE (TO REMAIN).
- EXISTING CONCRETE TRAIL WALL (TO REMAIN).
   EXISTING CONCRETE MEDALLION AND OUTER RING
- SLAB (TO REMAIN).
- 4. NEW 6" THICK CONCRETE TRAIL SLAB.
- NEW 6" THICK CONCRETE OUTER RING SLAB.
- NEW 6" THICK CONCRETE OUTER RING SLAB WITH CONTINUOUS THICKENED CONCRETE SLAB EDGE.

  7. NEW HIGH CONCRETE FEATURE WALL.

  8. NEW HIGH CONCRETE ENTRY WALL.

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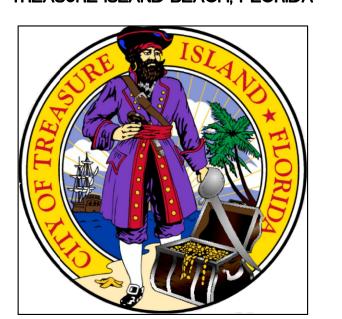
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TREASURE ISLAND BEACH

TREASURE ISLAND CENTRAL BEACH TRAIL

### TRAIL WALK RENOVATIONS





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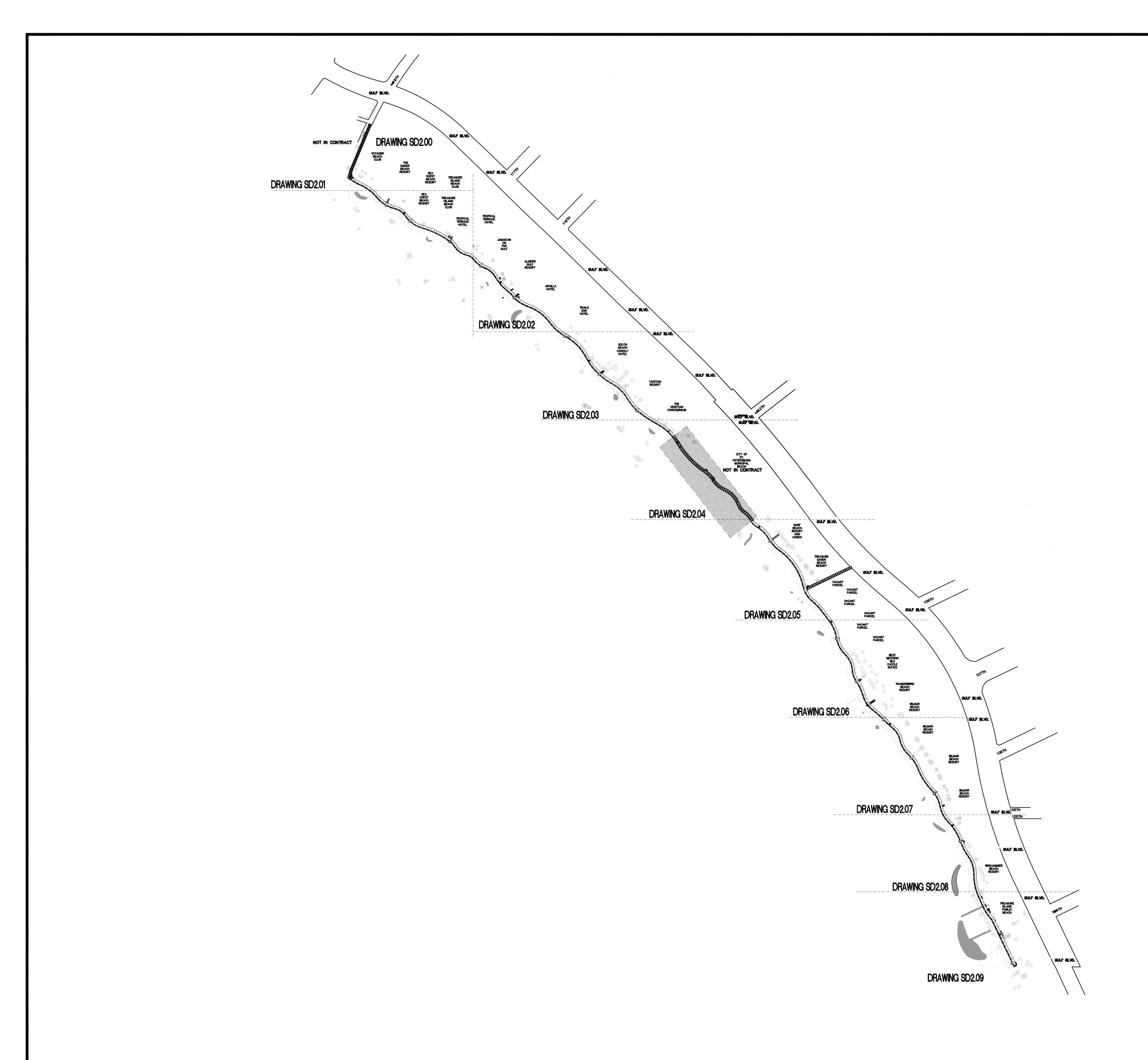


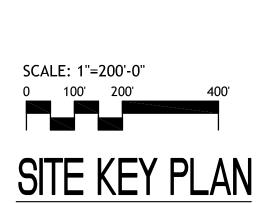
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TREASURE ISLAND BEACH TRAIL WALKWAY REPAIRS

BEACH ACCESS NODE AND TRAIL WALK JOINT PLANS

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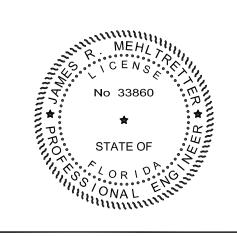
TRAIL WALK RENOVATIONS

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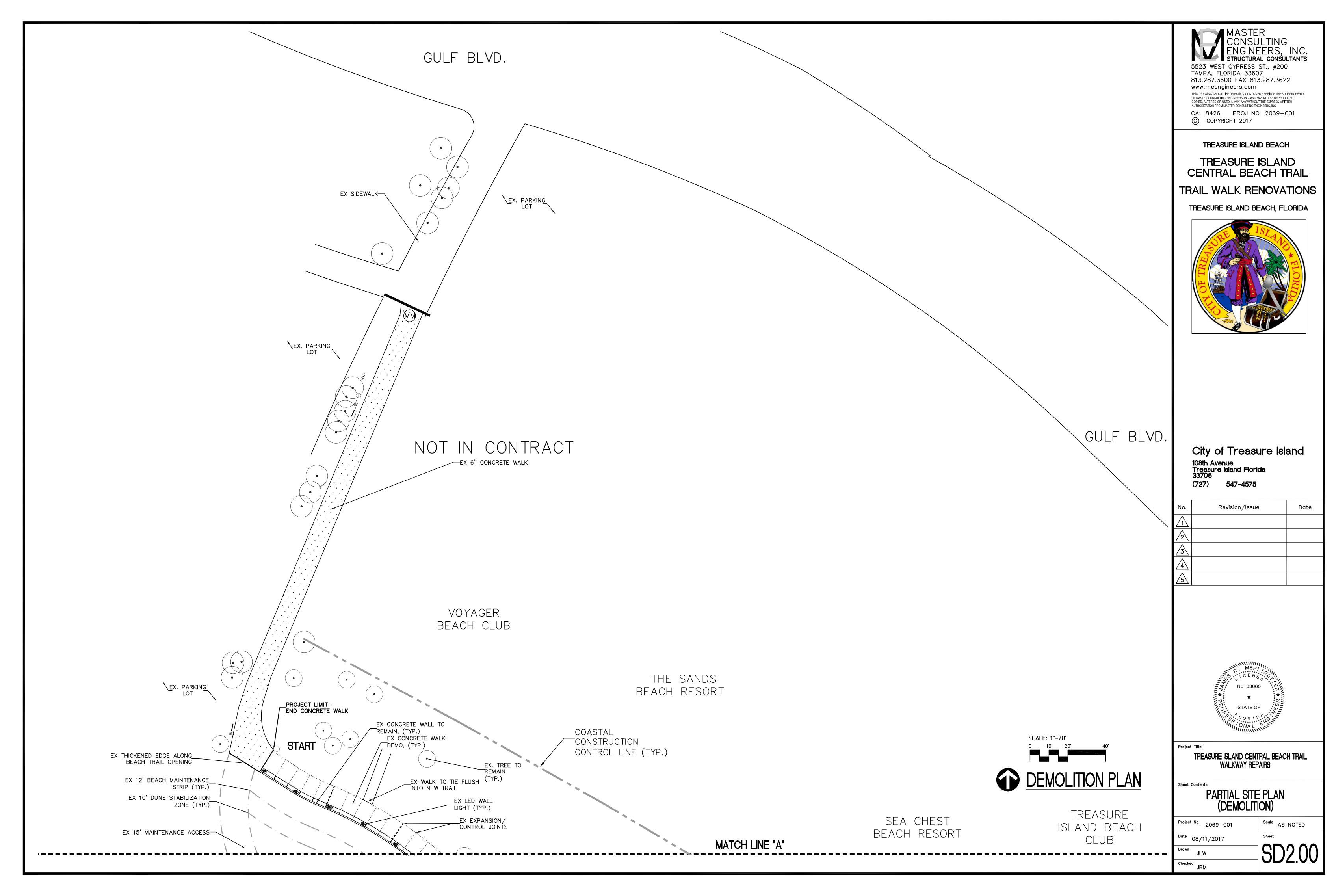
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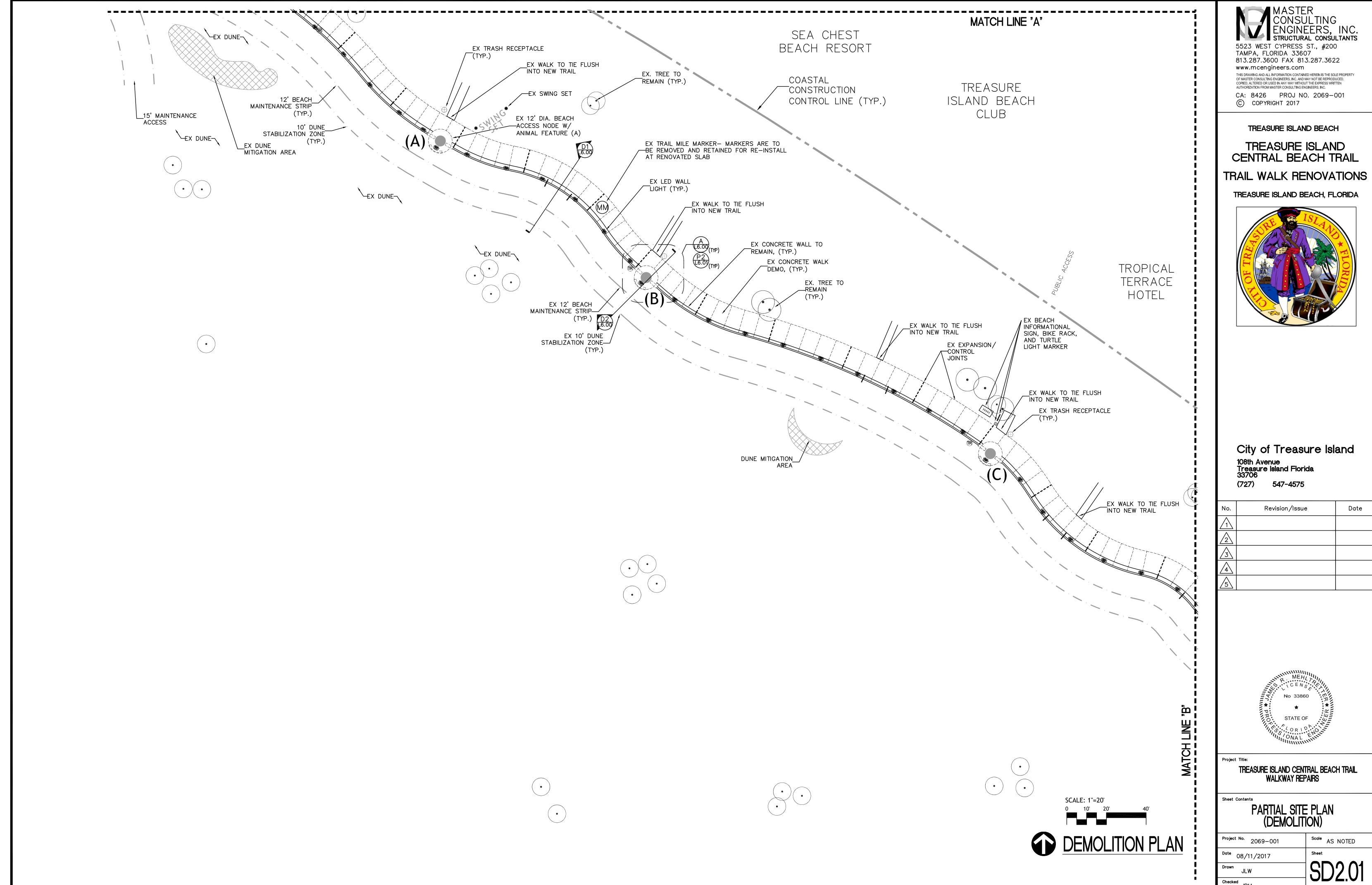
OVERALL SITE KEY PLAN

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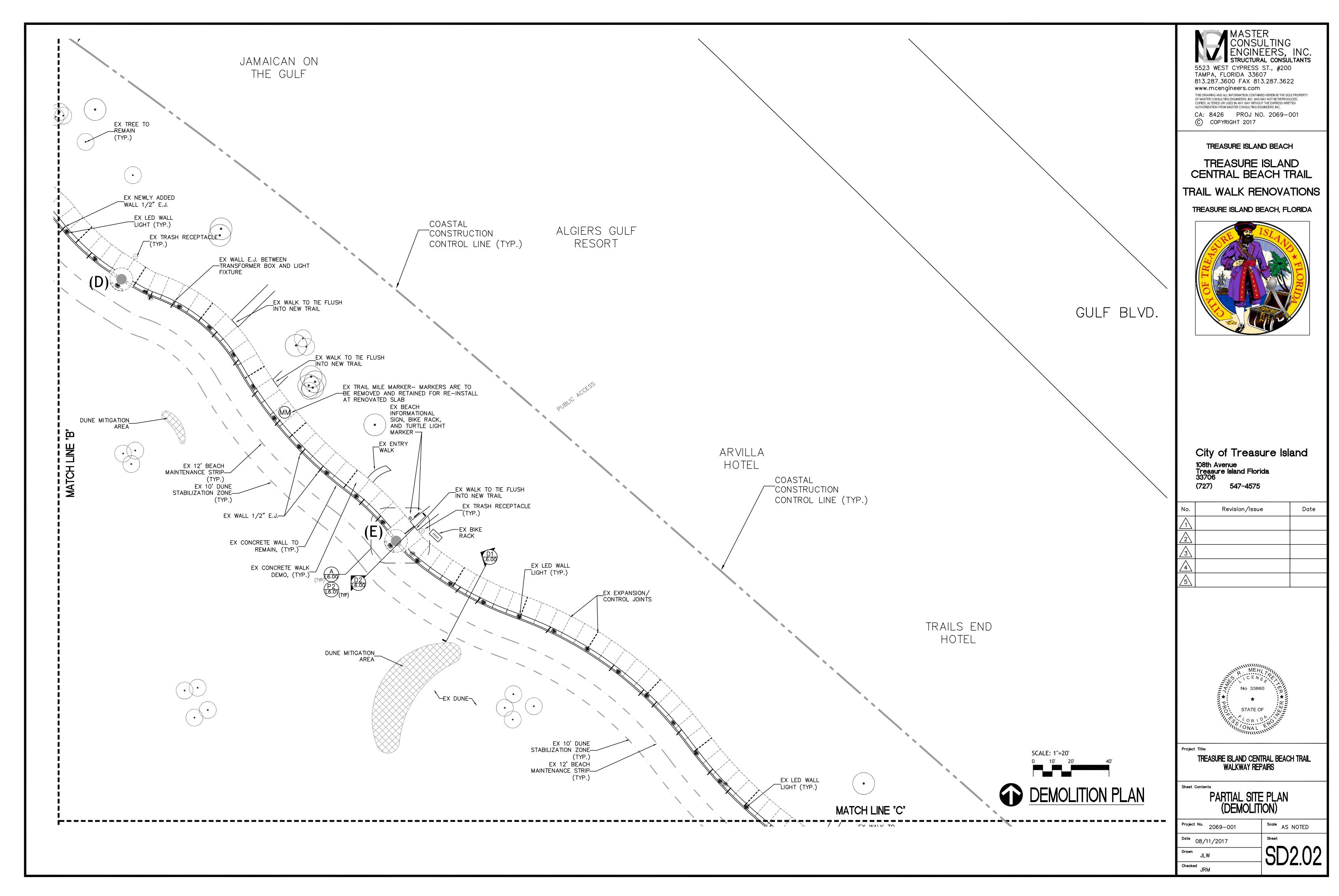
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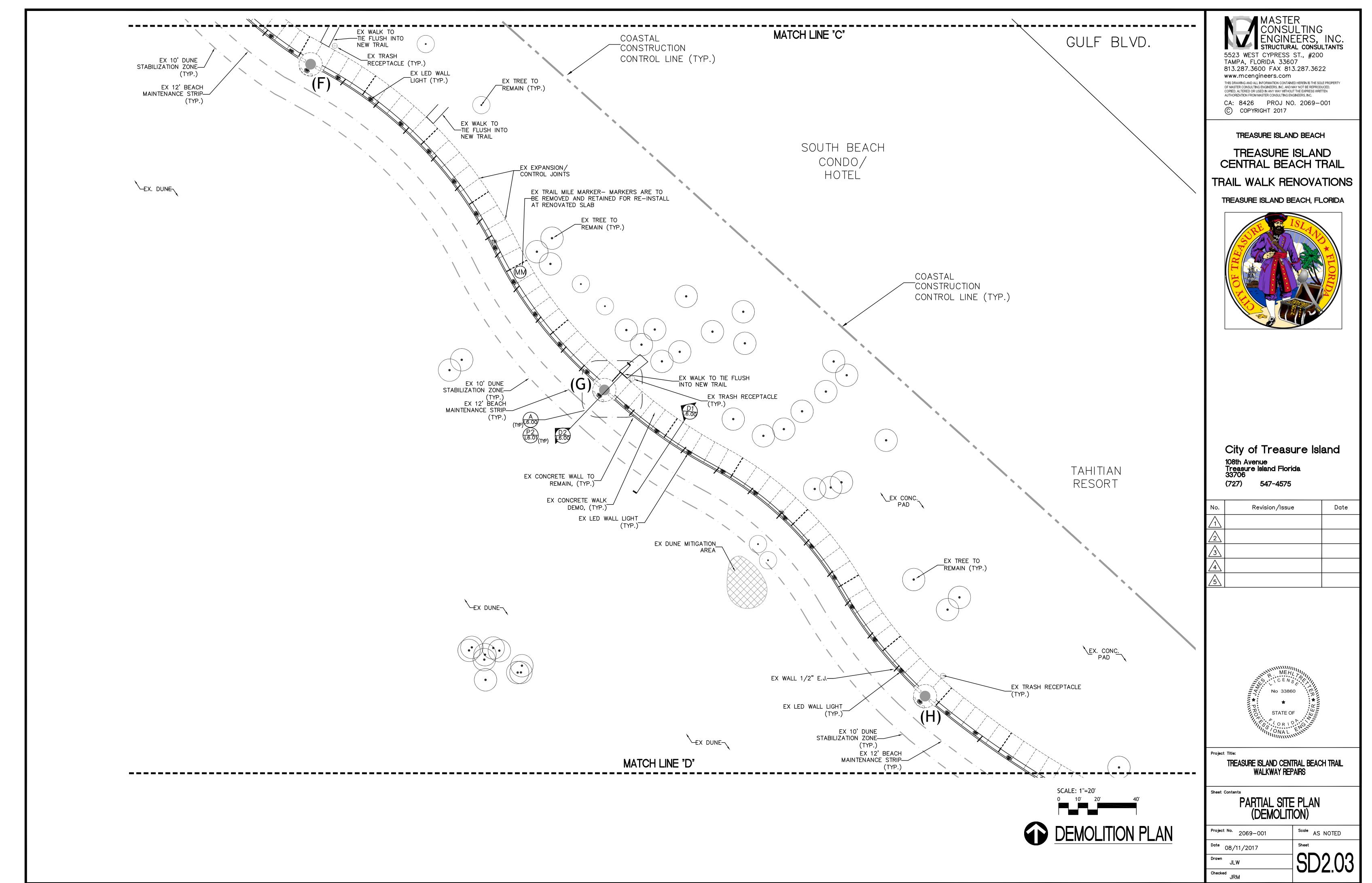
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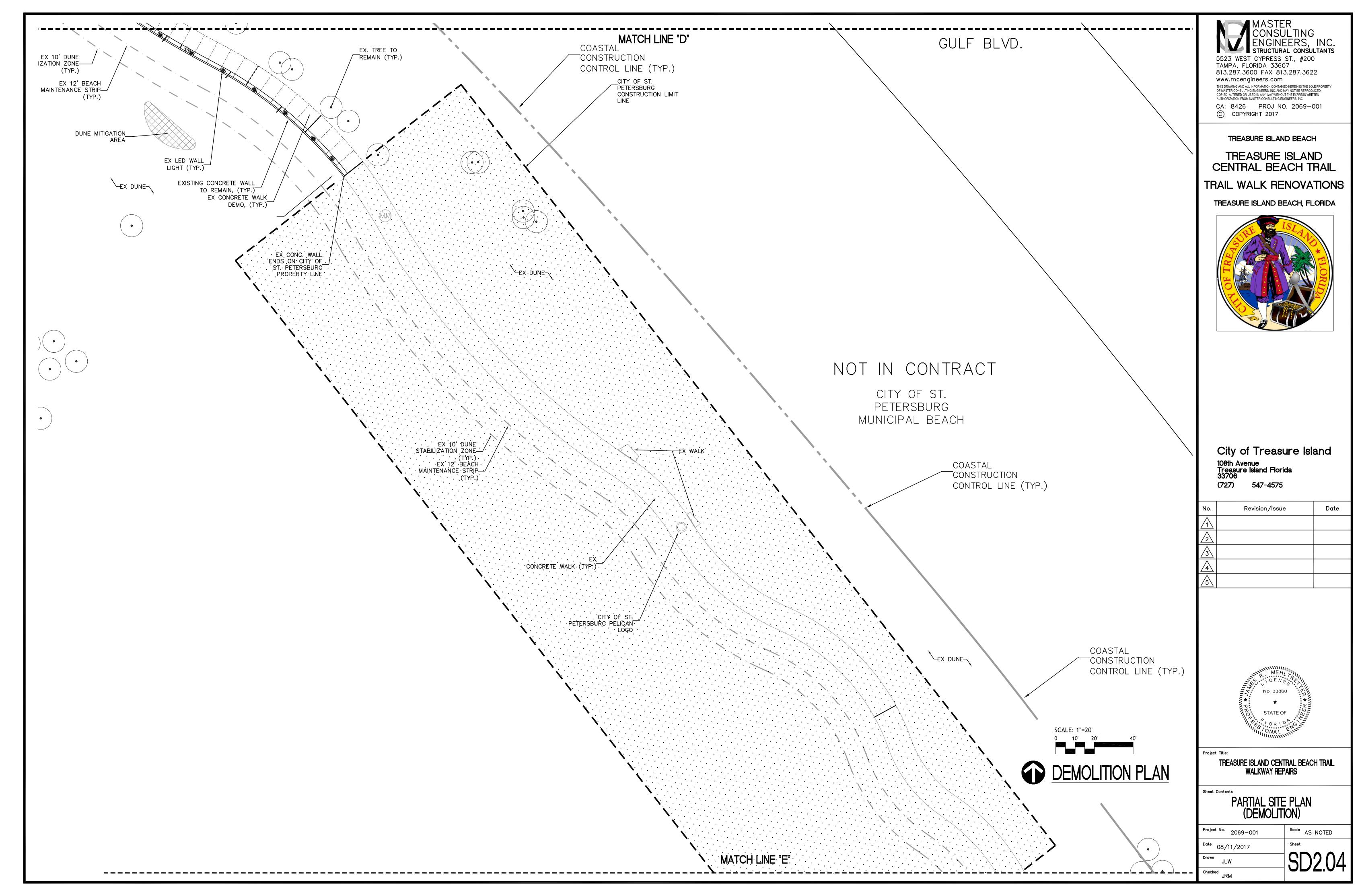
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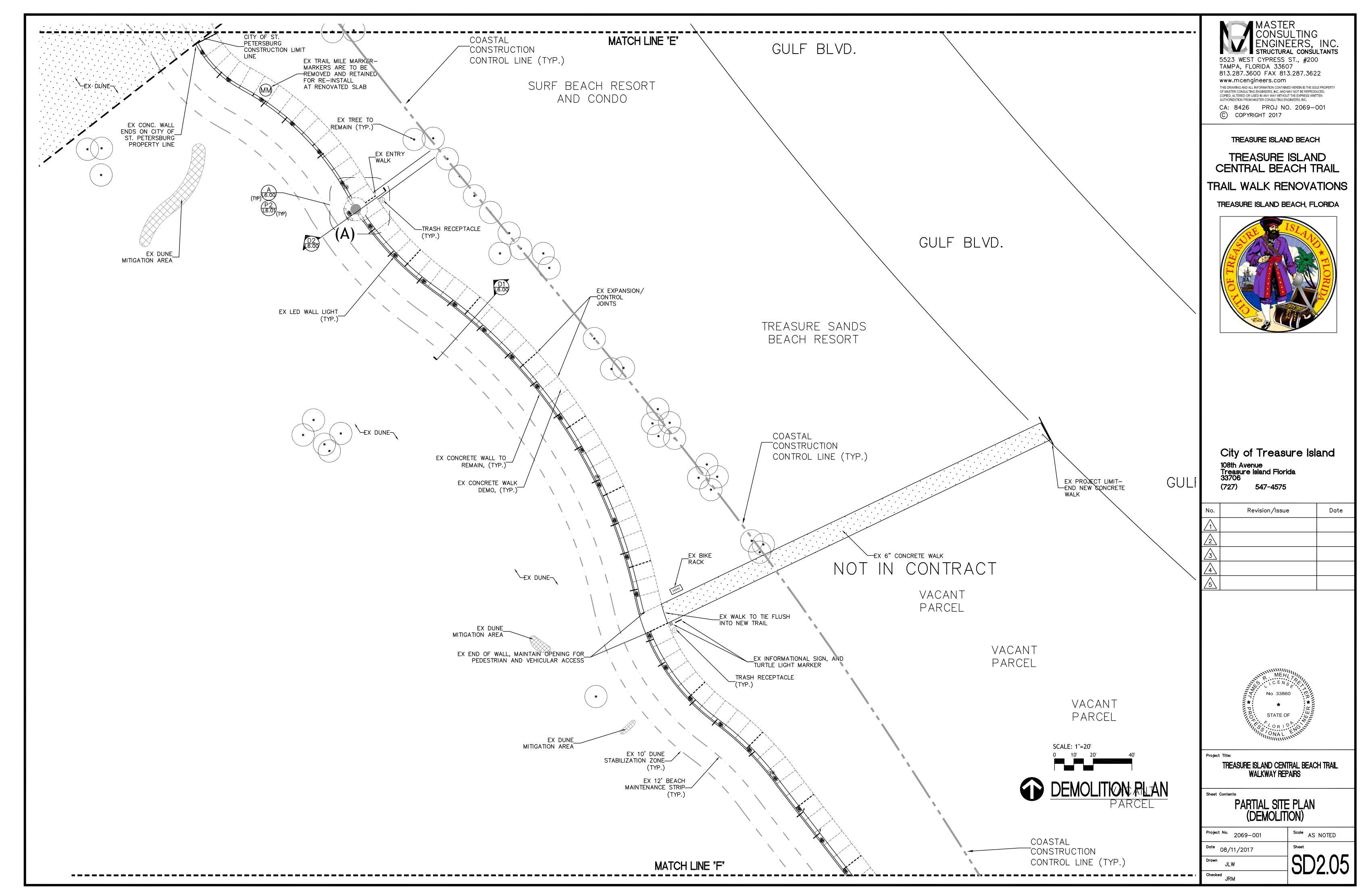
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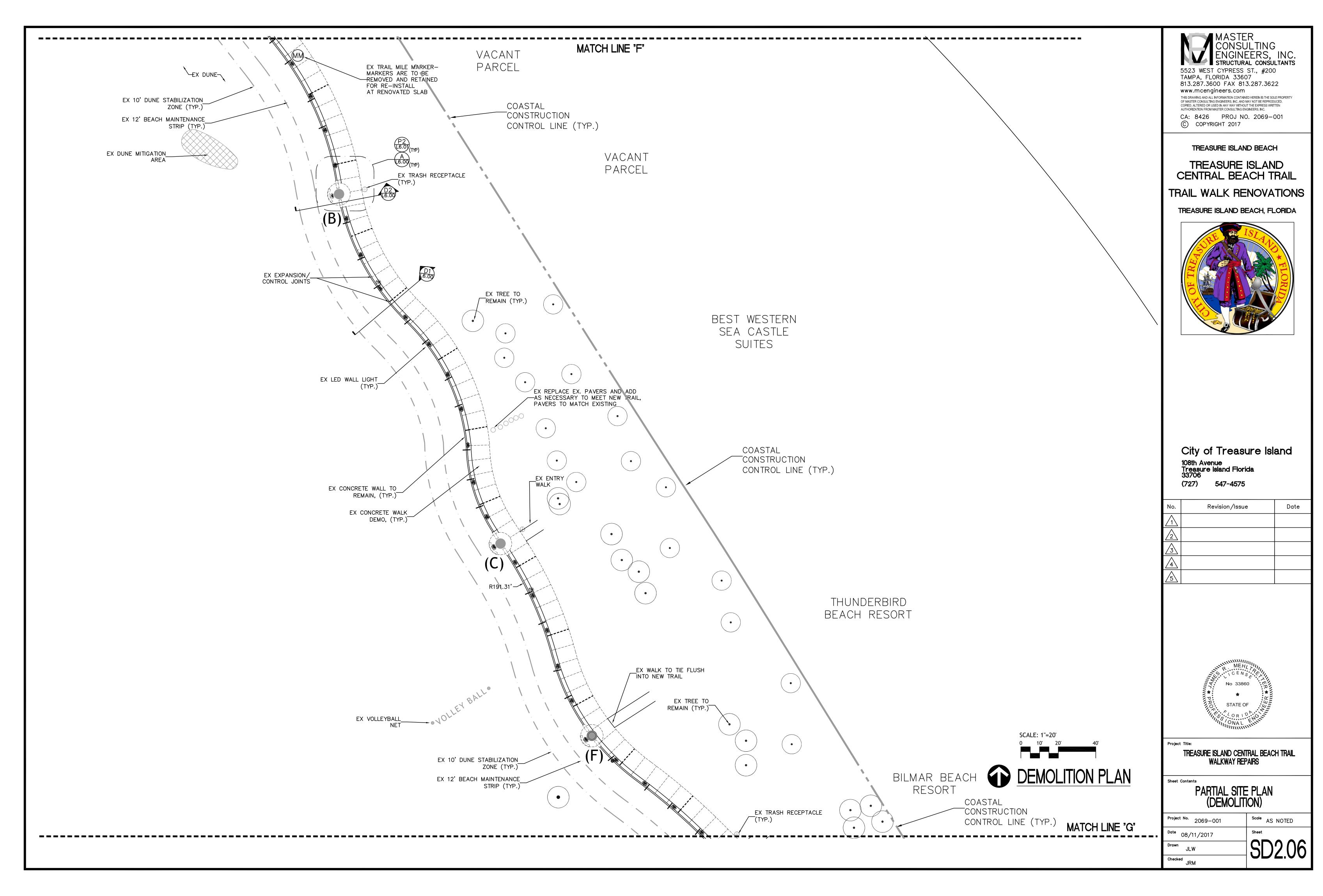
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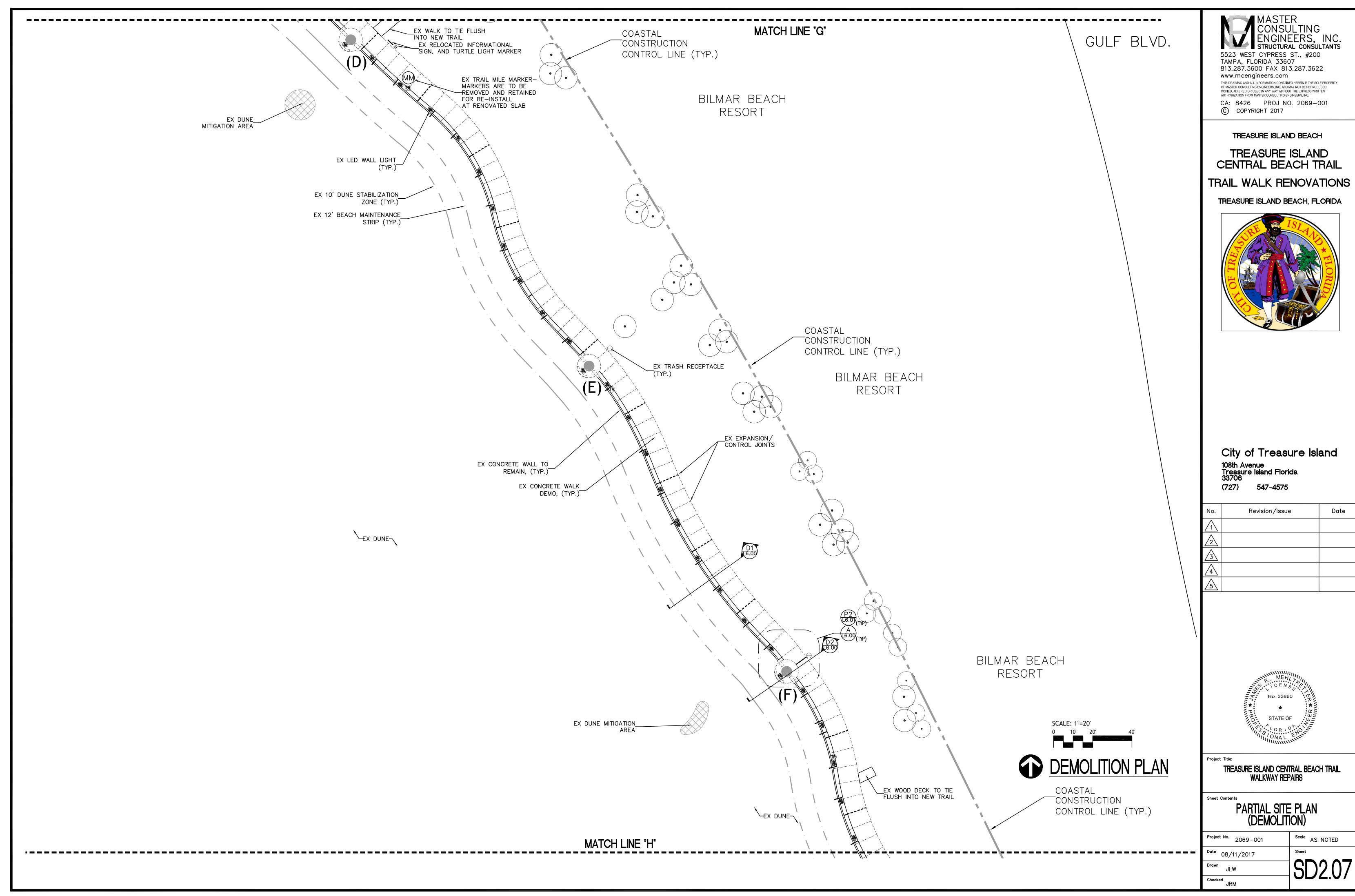
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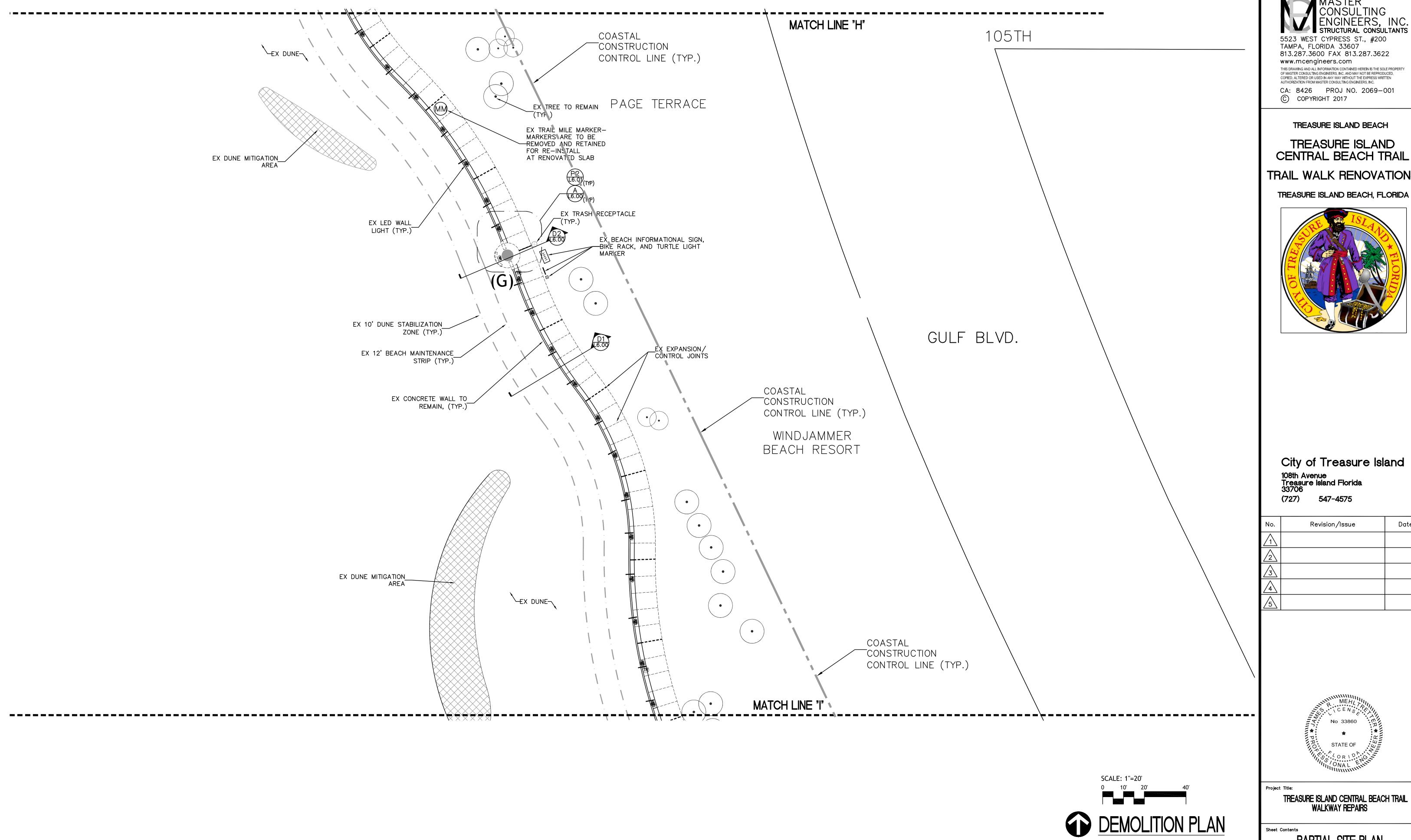


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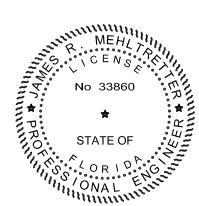
TREASURE ISLAND CENTRAL BEACH TRAIL

TRAIL WALK RENOVATIONS



City of Treasure Island

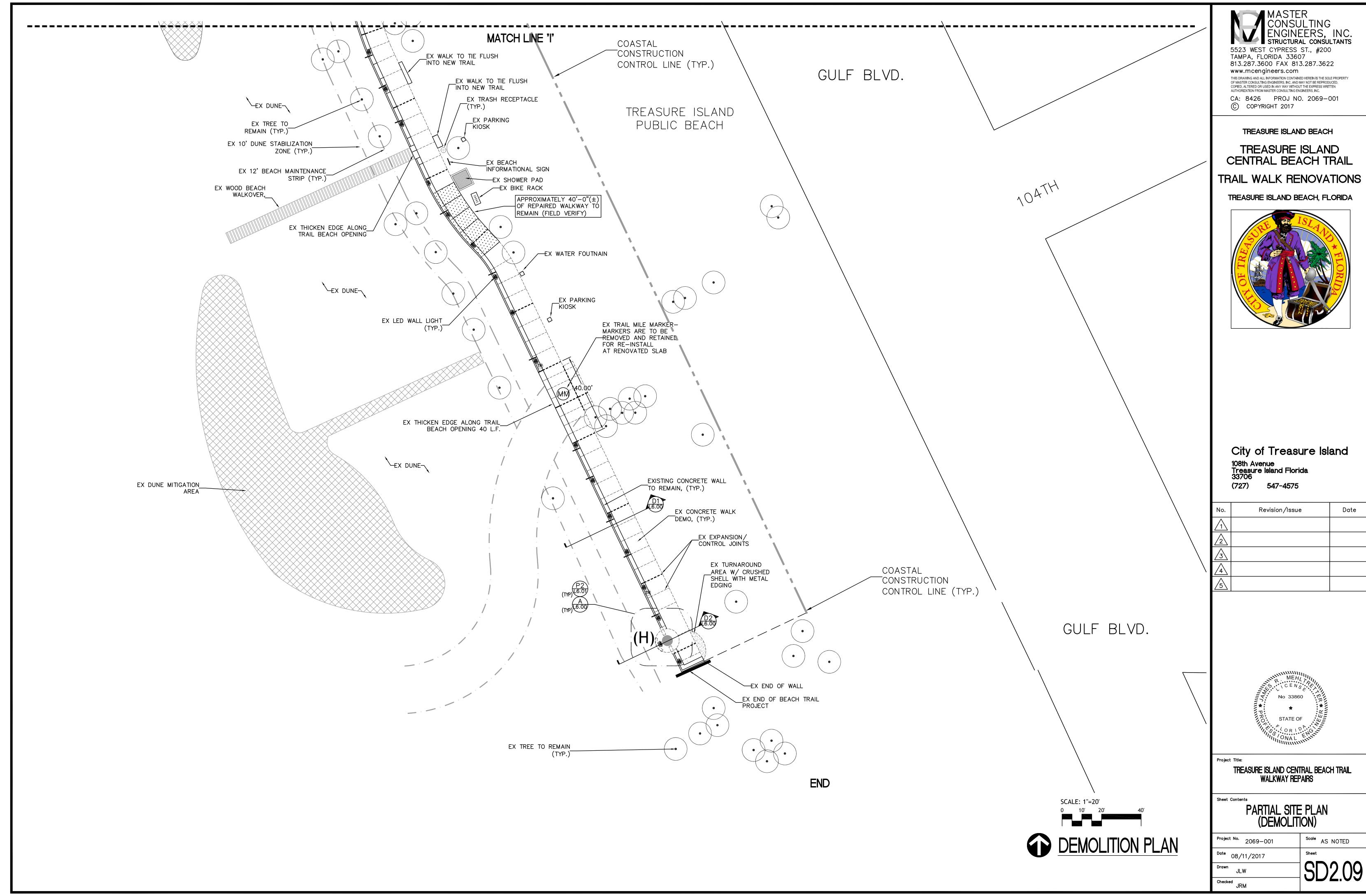
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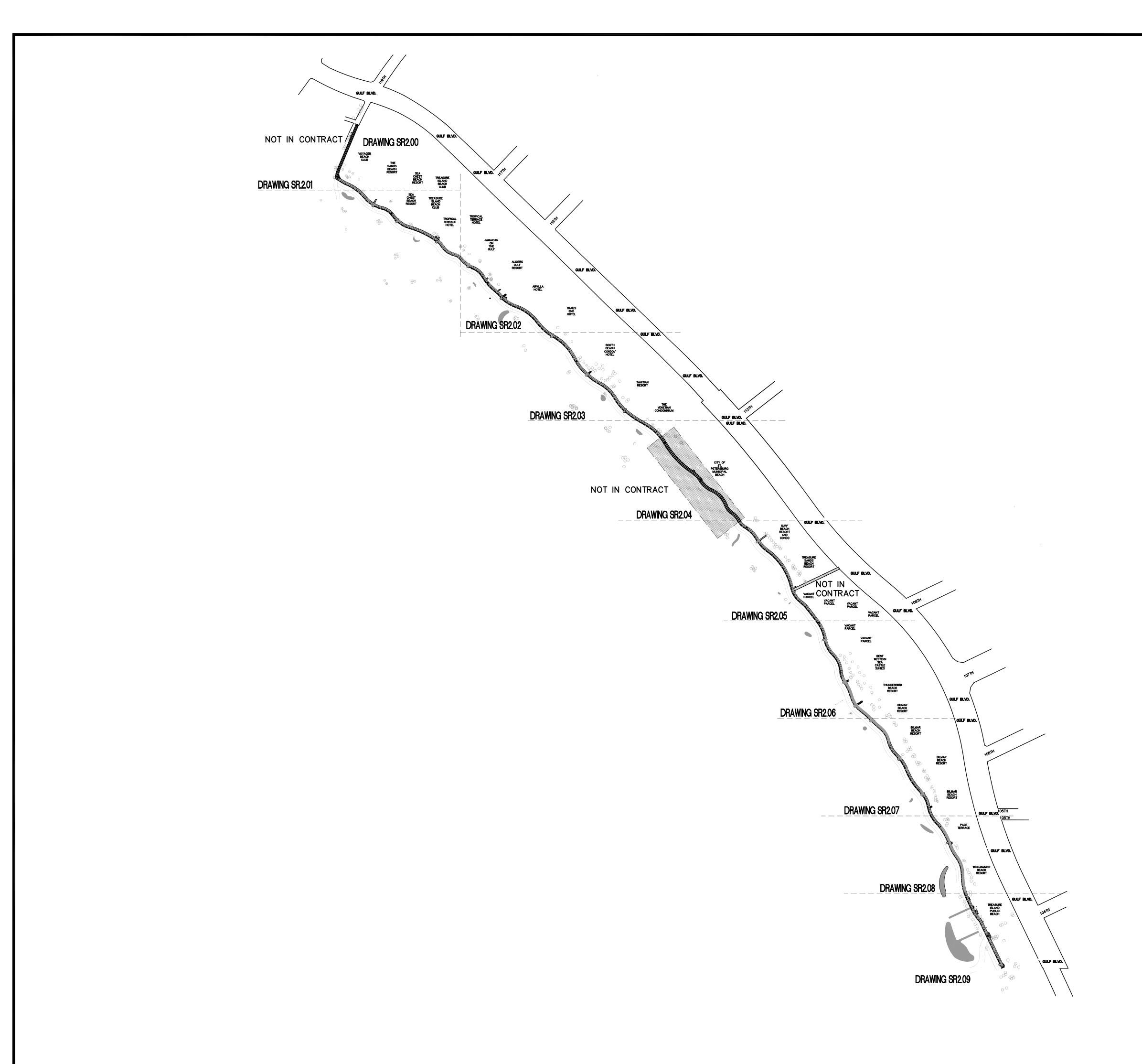
TREASURE ISLAND CENTRAL BEACH TRAIL WALKWAY REPAIRS

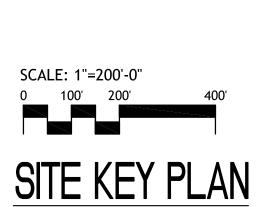
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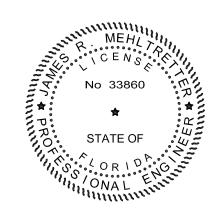
TRAIL WALK RENOVATIONS

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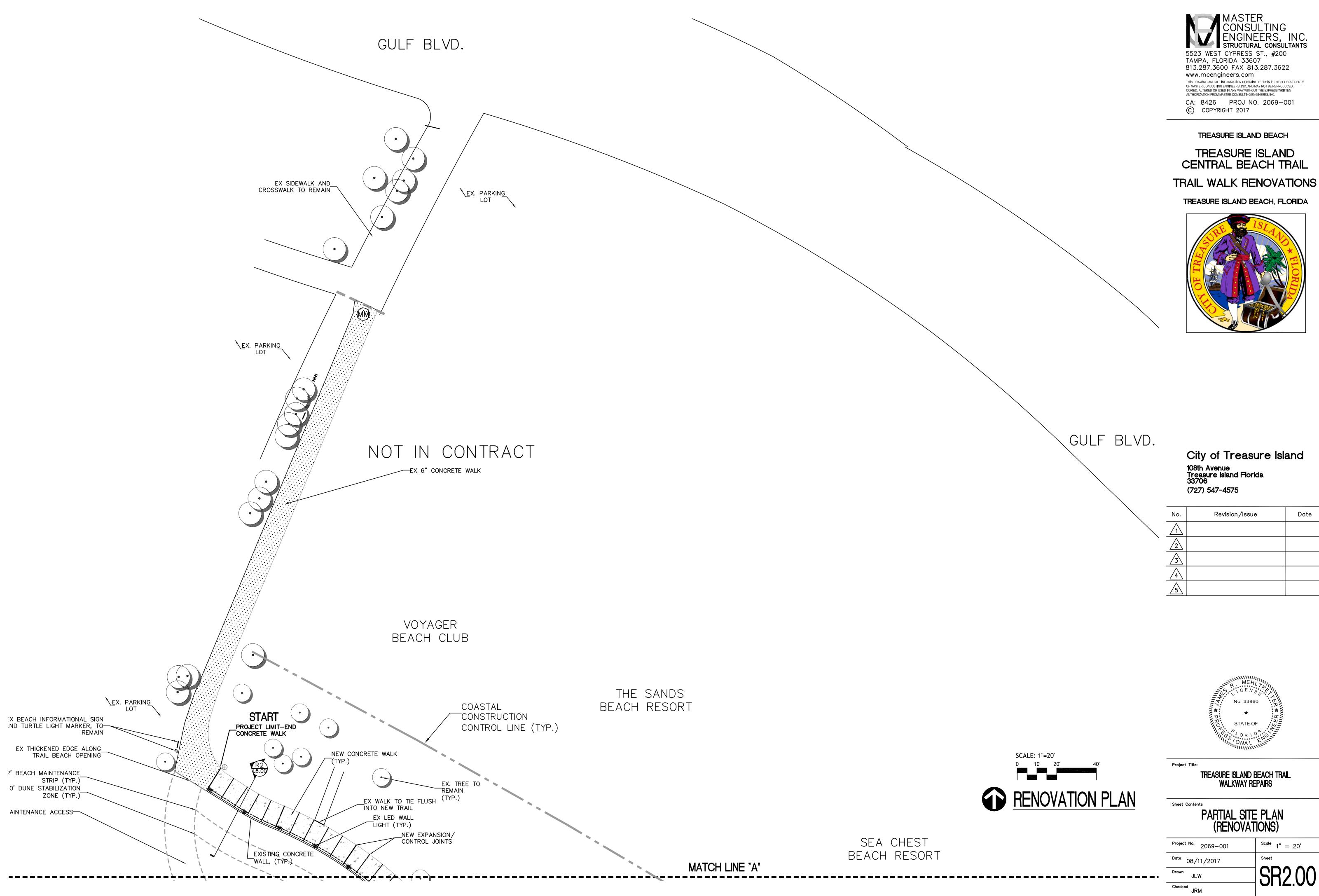


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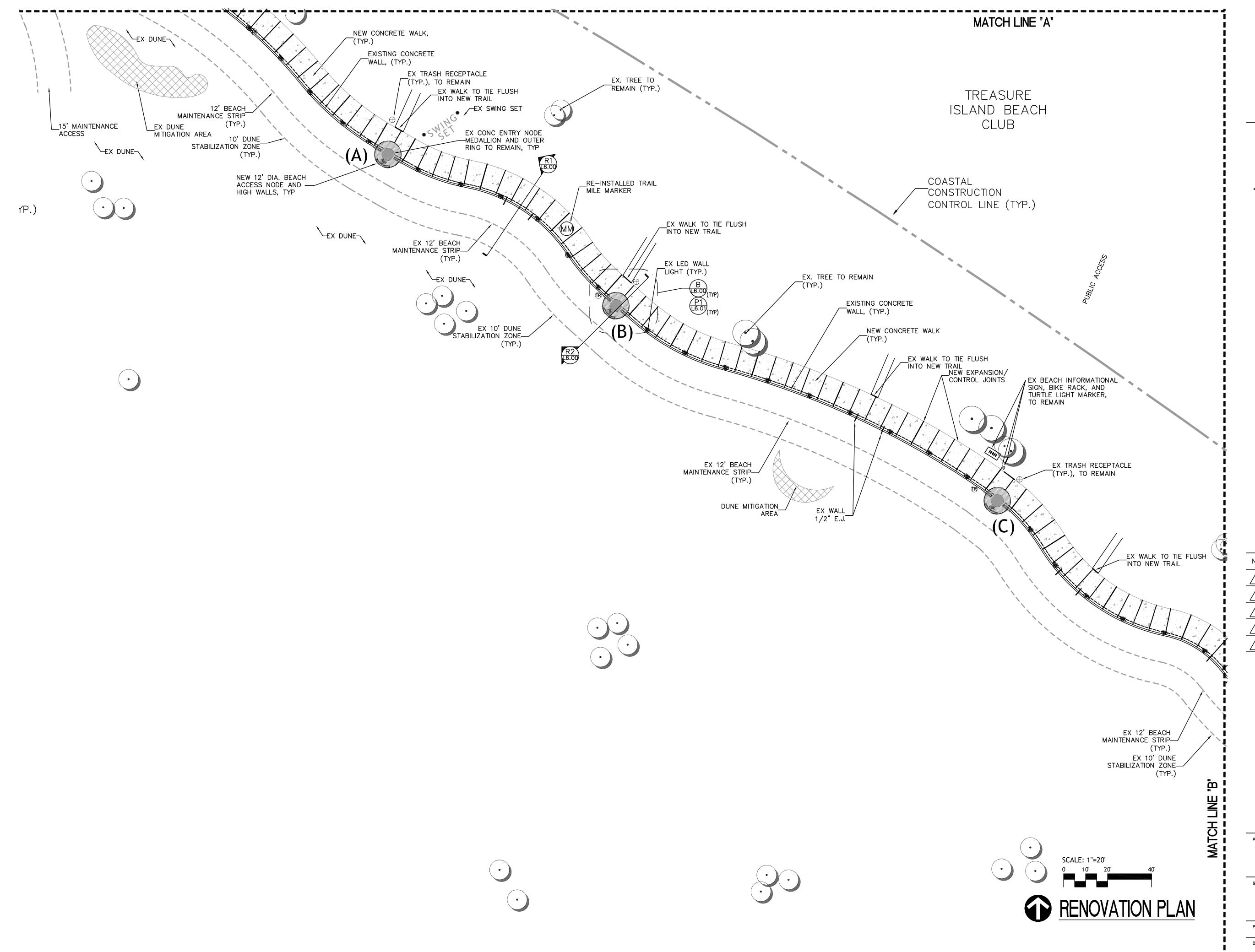
TREASURE ISLAND BEACH TRAIL WALKWAY REPAIRS

OVERALL SITE KEY PLAN RENOVATIONS

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TREASURE ISLAND CENTRAL BEACH TRAIL

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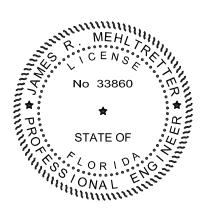
### TRAIL WALK RENOVATIONS

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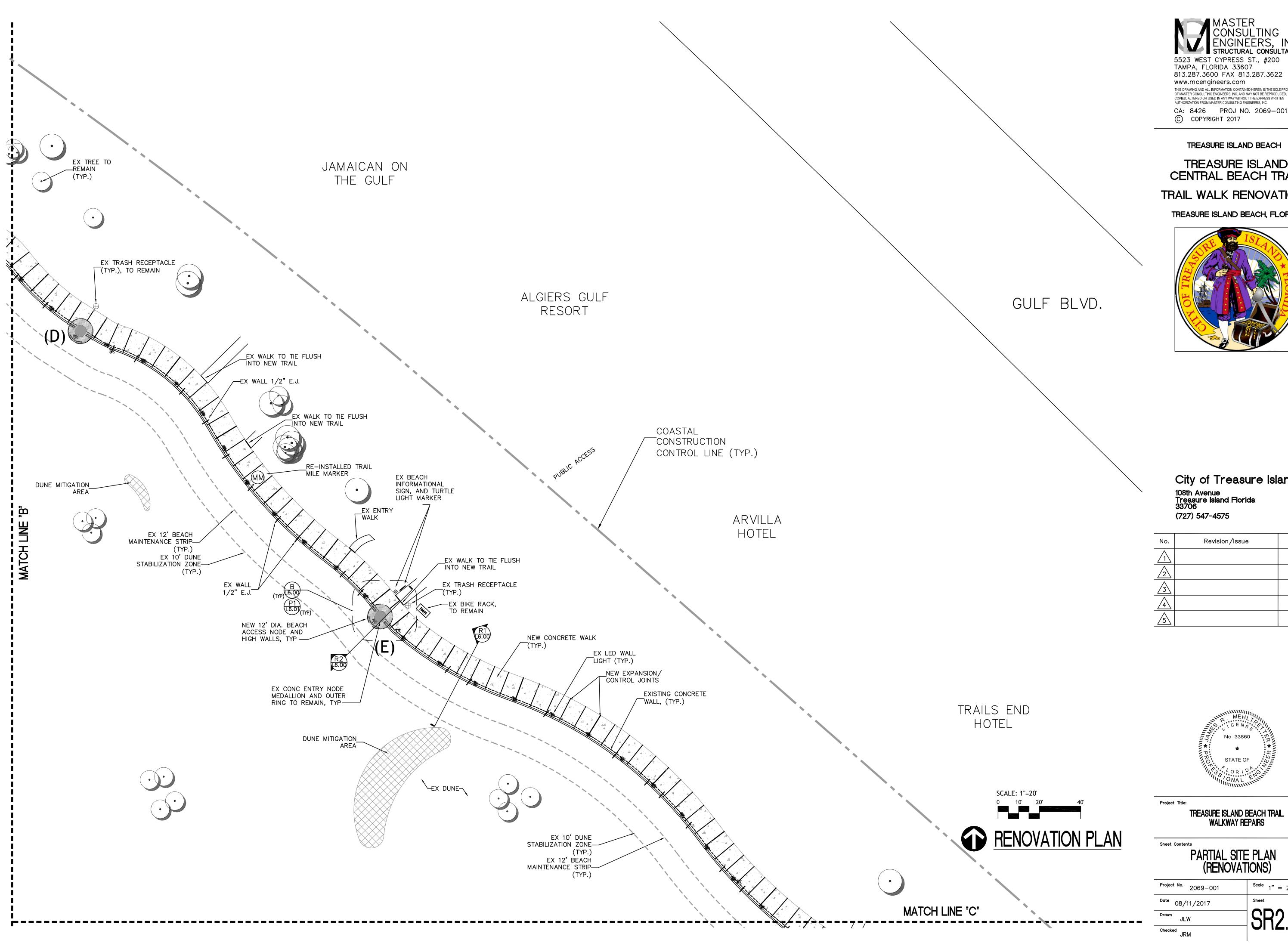


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TREASURE ISLAND BEACH TRAIL
WALKWAY REPAIRS

PARTIAL SITE PLAN (RENOVATIONS)

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TREASURE ISLAND BEACH

# TREASURE ISLAND CENTRAL BEACH TRAIL

### TRAIL WALK RENOVATIONS

### TREASURE ISLAND BEACH, FLORIDA



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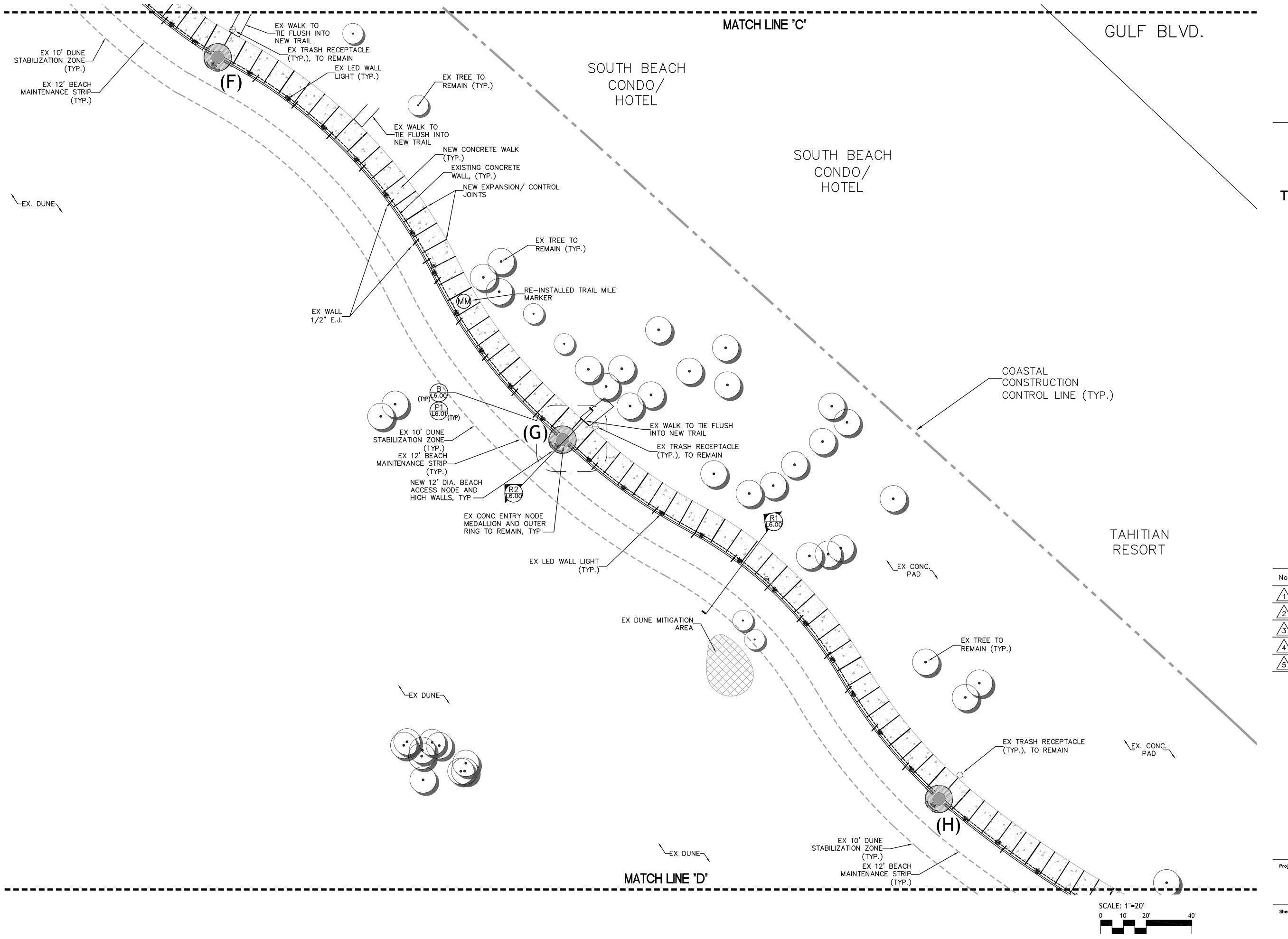
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TREASURE ISLAND BEACH TRAIL WALKWAY REPAIRS

PARTIAL SITE PLAN (RENOVATIONS)

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RENOVATION PLAN

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### TRAIL WALK RENOVATIONS

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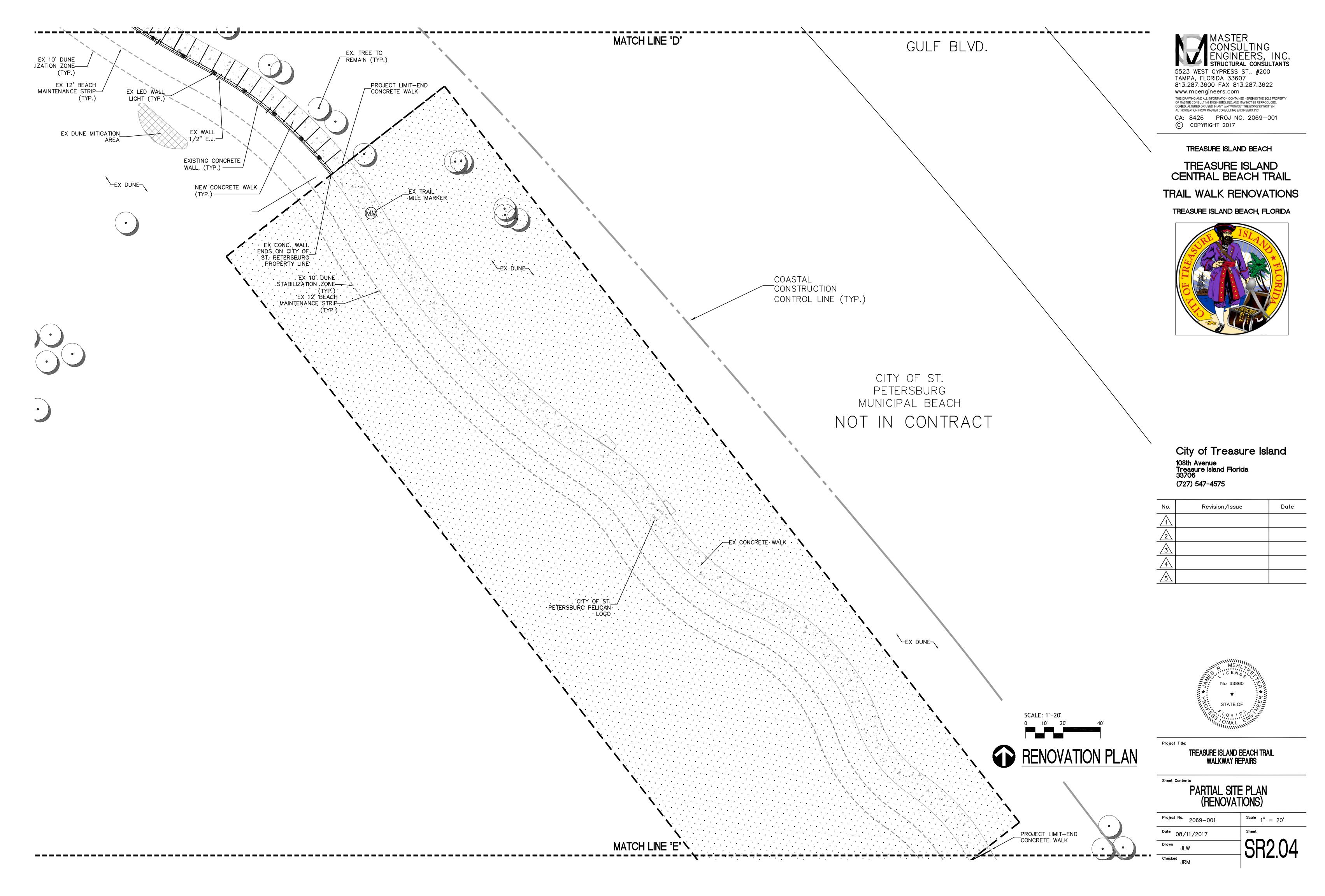


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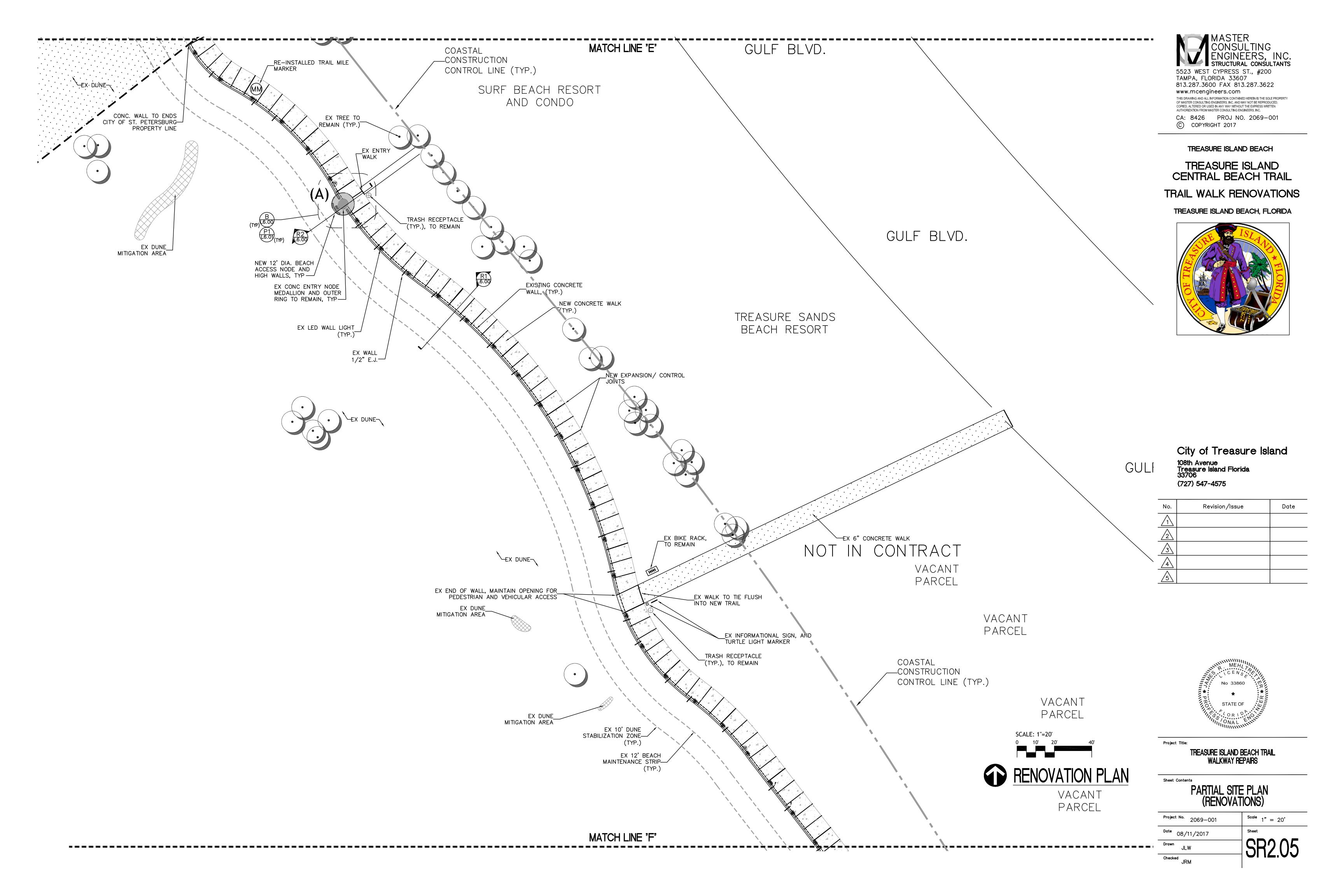
TREASURE ISLAND BEACH TRAIL WALKWAY REPAIRS

PARTIAL SITE PLAN (RENOVATIONS)

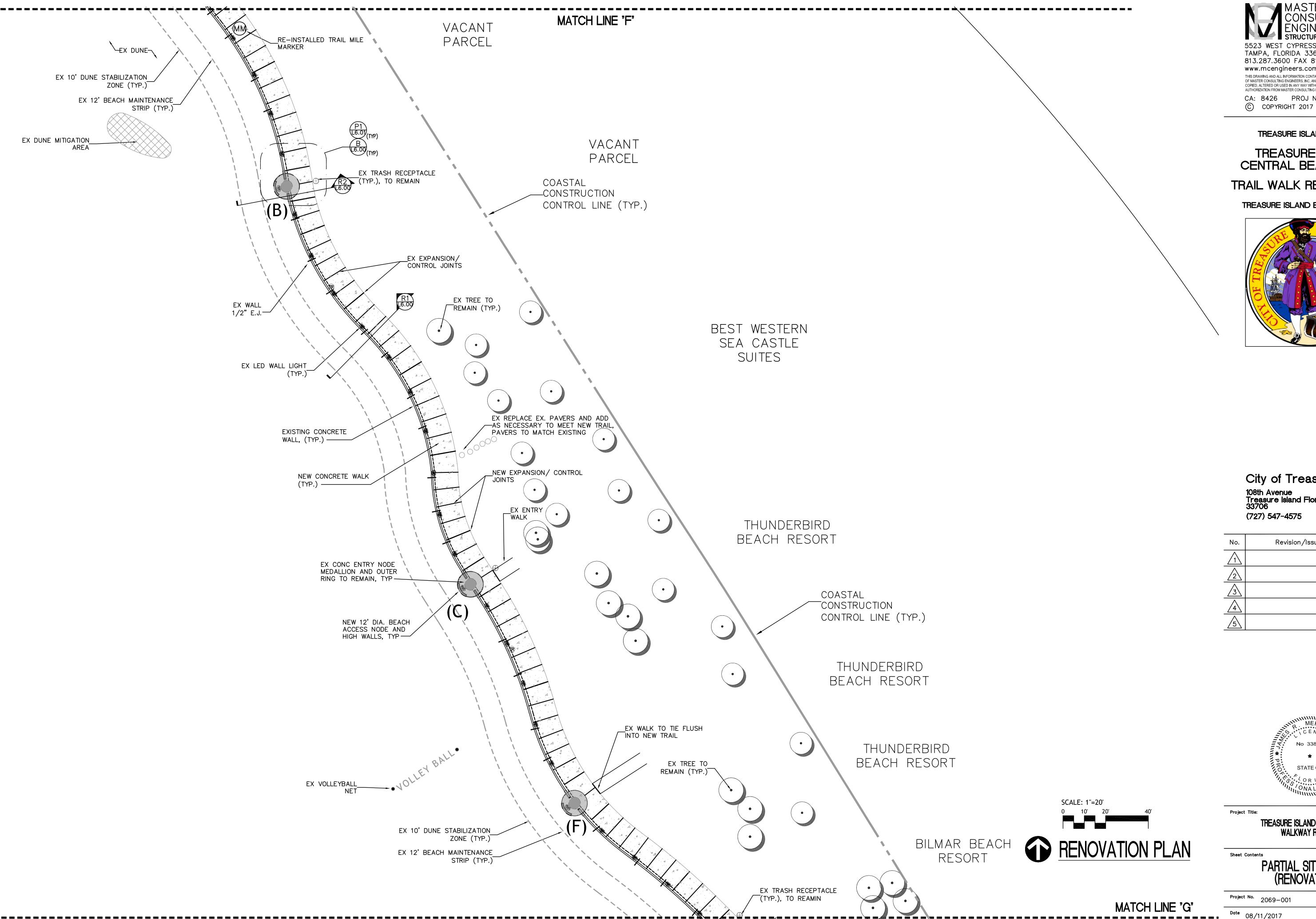
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TREASURE ISLAND BEACH

TREASURE ISLAND CENTRAL BEACH TRAIL

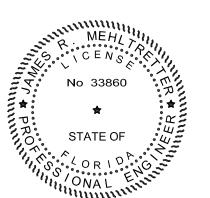
TRAIL WALK RENOVATIONS

TREASURE ISLAND BEACH, FLORIDA



City of Treasure Island 108th Avenue Treasure Island Florida 33706 (727) 547-4575

No.	Revision/Issue	Date
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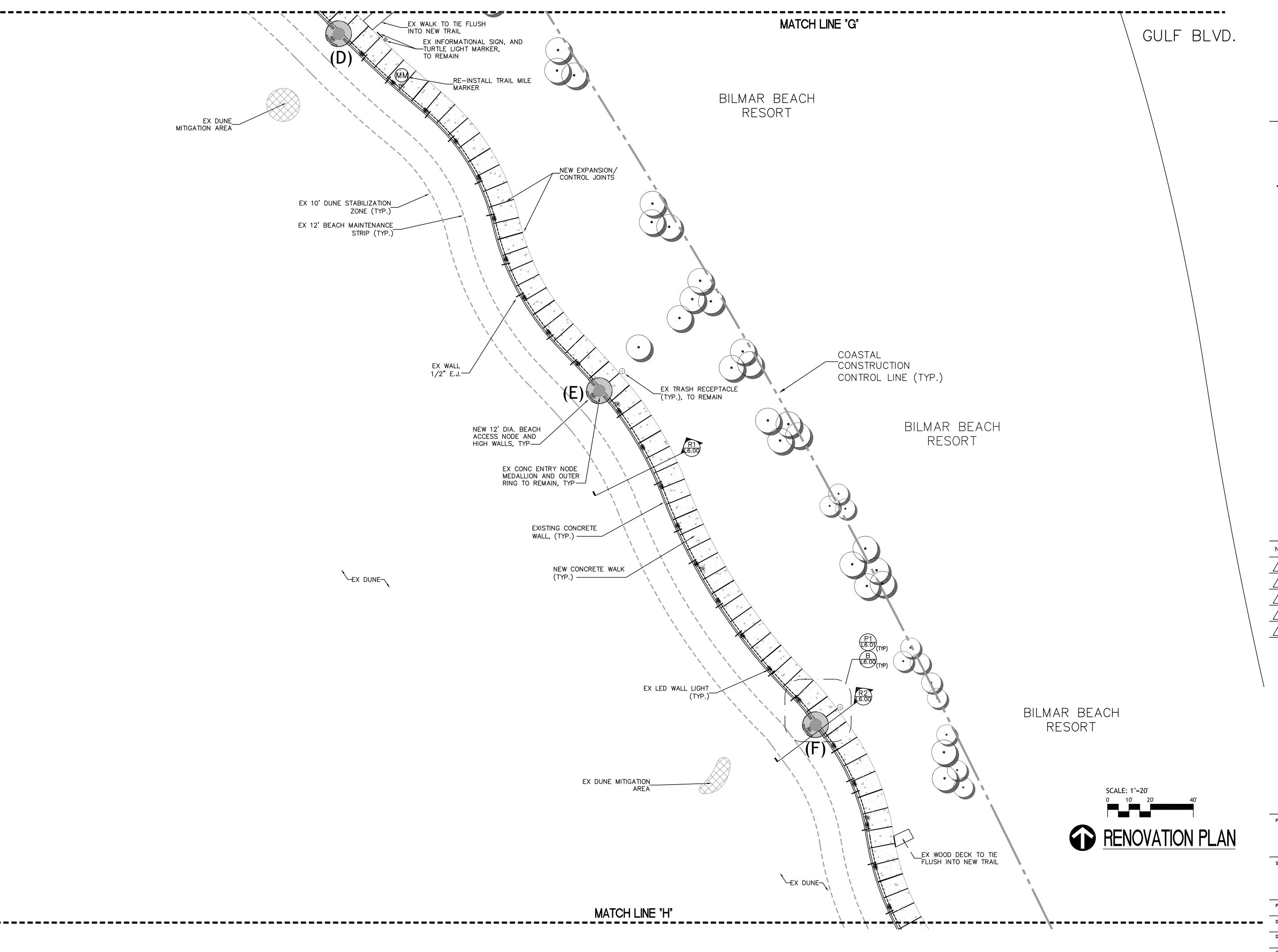


TREASURE ISLAND BEACH TRAIL WALKWAY REPAIRS

PARTIAL SITE PLAN (RENOVATIONS)

Drawn	
Date 08/11/2017	Sheet
Project No. 2069-001	Scale 1" = 20'

SH2.06 Checked JRM



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TREASURE ISLAND BEACH

### TREASURE ISLAND CENTRAL BEACH TRAIL

### TRAIL WALK RENOVATIONS

### TREASURE ISLAND BEACH, FLORIDA



# City of Treasure Island 108th Avenue Treasure Island Florida 33706 (727) 547-4575

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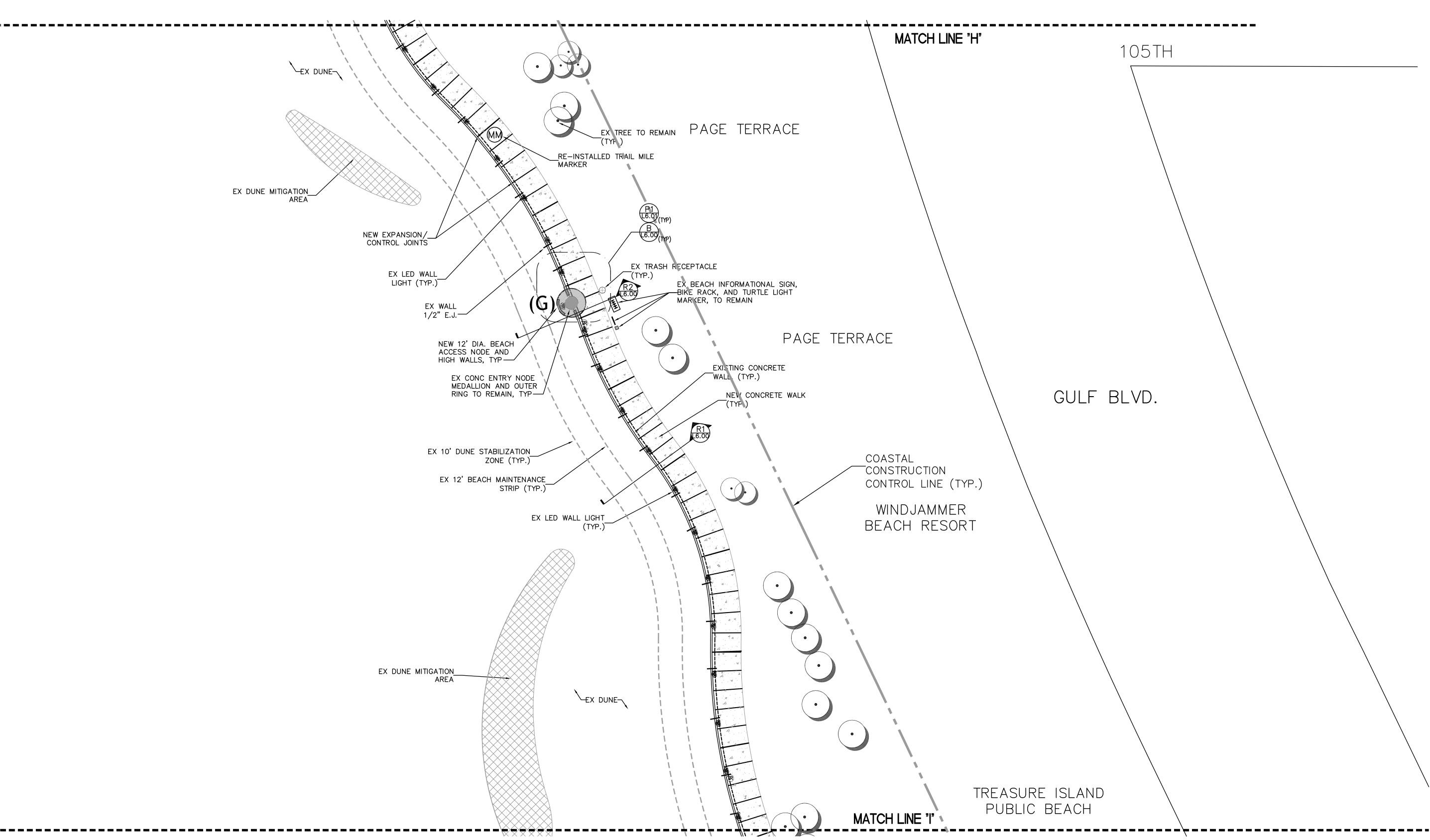
TREASURE ISLAND BEACH TRAIL
WALKWAY REPAIRS

PARTIAL SITE PLAN (RENOVATIONS)

2 2	Project No. 2069-001	Scale 1" = 20'
	Date 08/11/2017	Sheet

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SR2.07



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TREASURE ISLAND BEACH

### TREASURE ISLAND CENTRAL BEACH TRAIL

### TRAIL WALK RENOVATIONS

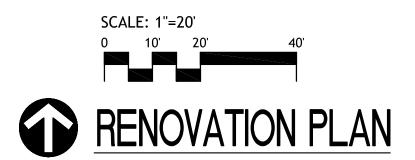
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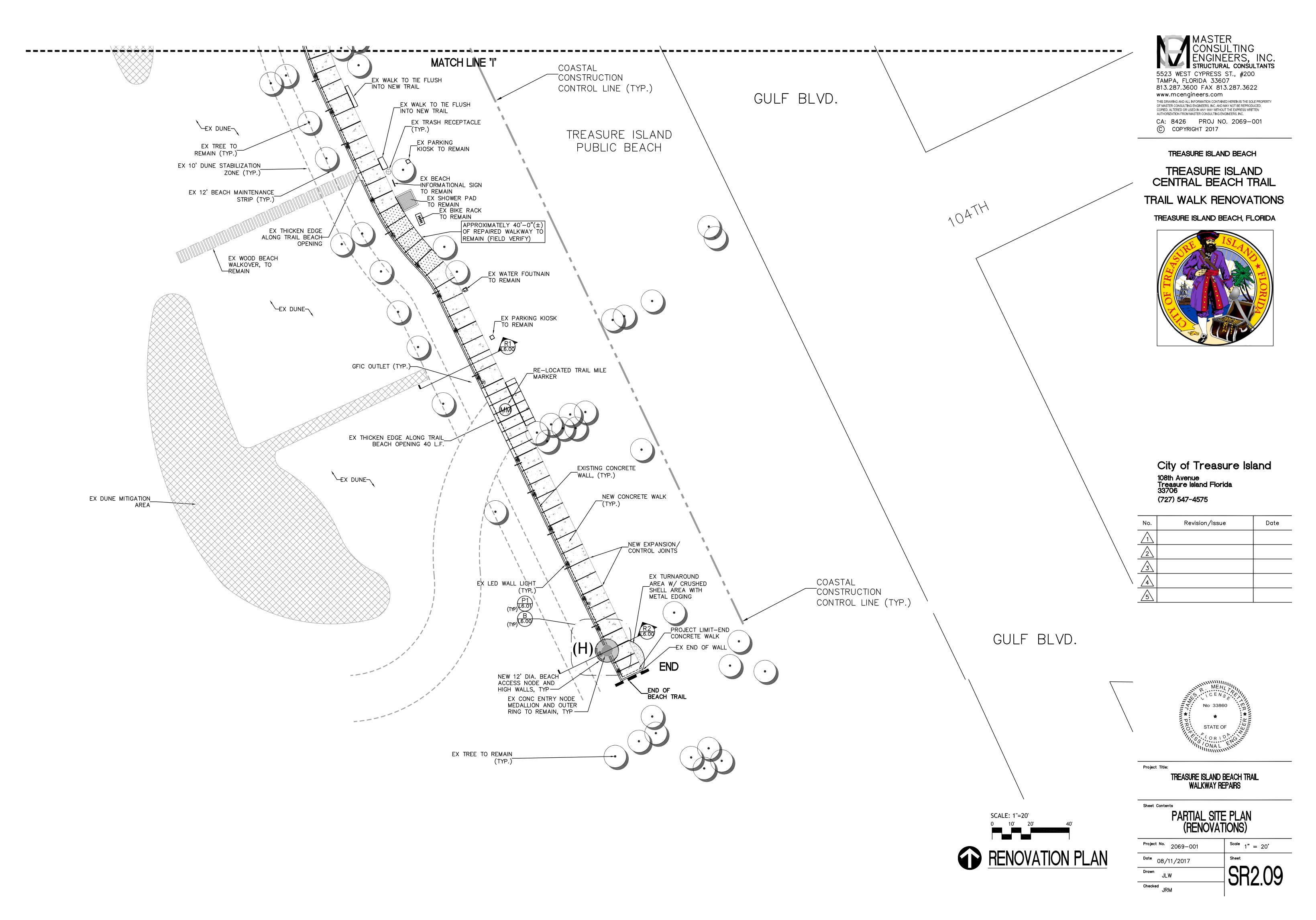


Project Title:

TREASURE ISLAND BEACH TRAIL WALKWAY REPAIRS

PARTIAL SITE PLAN (RENOVATIONS)

Project No. 2069-001	Scale 1" = 20'
Date 08/11/2017	Sheet
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