

GENERAL NOTES

1. THESE PLANS SHALL NOT BE ALTERED OR RE-USED WITHOUT WRITTEN CONSENT BY THE ENGINEER.
2. THE WORD 'CONTRACTOR' MEANS THE GENERAL CONTRACTOR AND, WHERE APPLICABLE BY TRADE, SUBCONTRACTORS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL NOTES PRIOR TO FINALIZING CONSTRUCTION CONTRACT. ALL CONSTRUCTION AND DETAILS SHALL BE COMPLETED IN FULL COMPLIANCE WITH BERMUDA RESIDENTIAL CODE 2014 AND IBC 2012.
4. CONTRACTOR SHALL VERIFY ALL WORKS, DIMENSIONS AND DETAILS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK. DURING CONSTRUCTION, THE ENGINEER ARE TO BE ADVISED REGARDING ANY DISCREPANCIES IN MEASUREMENT, DIMENSION, LOCATION OR DETAILS PRIOR TO CONTRACTOR PROCEEDING WITH THAT PORTION OF THE WORK.
5. CONTRACTOR SHALL CONFIRM ANY DISCREPANCIES BETWEEN DRAWINGS OR SPECS AND SITE CONDITIONS WITH ENGINEER PRIOR TO STARTING PORTIONS OF THE WORK AFFECTED.
6. WRITTEN DIMENSIONS SHALL PREVAIL OVER SCALED DIMENSIONS ON DRAWINGS. IN NO EVENT IS A DIMENSION TO BE SCALED OFF THE DRAWINGS WITHOUT PRIOR APPROVAL FROM ENGINEER
7. CONTRACTOR SHALL DEMOLISH EXISTING CONSTRUCTION AS NECESSARY TO INSTALL NEW WORK, AND REMOVE ALL EXCESS DEBRIS AND MATERIALS, NOT REQUIRED BY CONSTRUCTION OR REQUESTED BY OWNER.
8. PRODUCTS SPECIFIED OR INDICATED ON DRAWINGS ARE PRODUCTS DESIRED BY OWNER AND ENGINEER AND SHALL BE UTILIZED UNLESS CONTRACTOR OBTAINS ENGINEER'S AND ARCHITECTS ACCEPTANCE IN WRITING OF ANY SUBSTITUTIONS.
9. CONTRACTOR SHALL REIMBURSE ENGINEER FOR LABOR AND OTHER COSTS INVOLVED IN PROVIDING RESEARCH, ADDITIONAL DRAWINGS, DETAILS, OR ENGINEERING TO REVIEW SUBSTITUTIONS OR TO ADJUST THE DESIGN OR CONSTRUCTION DOCUMENTS DUE TO ERRORS, CHANGES, OR SUBSTITUTIONS MADE BY CONTRACTOR DURING CONSTRUCTION. SUCH REIMBURSEMENTS SHALL NOT BE INCLUDED IN THE PROJECT CONSTRUCTION COST AND SHALL BE PAID BY THE CONTRACTOR WITHOUT REIMBURSEMENT FROM THE OWNER
10. ALL DESIGN LOADS NOTED ARE WORKING LOADS
11. ALL TRADES SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER PRIOR TO COMMENCEMENT OF FABRICATION.

SITework, DEMOLITION, FOUNDATIONS, ETC.

1. PRIOR TO FORMING AND POURING CONCRETE, CONTRACTOR SHALL STAKE OUT ALL FOUNDATIONS AND PERIMETER WALL LINES AS SHOWN ON PLANS FOR ENGINEER'S REVIEW, CONFIRM EXISTING AND NEW STRUCTURE AND PROPERTY LINE LOCATIONS AND ELEVATIONS, AND VERIFY PROPER SETBACKS.
2. ALL FOOTINGS TO BEAR ON SOUND ROCK WITH A MINIMUM BEARING CAPACITY OF 3000psf U.N.O.
3. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY UNSTABLE OR QUESTIONABLE SOIL OR GEOLOGICAL CONDITIONS ENCOUNTERED DURING EXCAVATION PRIOR TO PLACING ANY REINFORCING.
4. SUB-BASE UNDER STRUCTURAL ELEMENTS SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY. COMPACTION SHALL BE VERIFIED IN WRITING BY THE GEOTECHNICAL ENGINEER PRIOR TO POURING OF SLABS.
5. ALL CONCRETE SLABS TO BE REMOVED SHALL FIRST BE NEATLY SAW-CUT WITH NO OVERCUTTING.
6. PATCHING OF CONCRETE SLABS SHALL BE PERFORMED SO AS TO LEAVE THE PATCH SURFACE LEVEL MATCHING THE EXISTING ADJACENT SLAB. PROVIDE SMOOTH TRANSITIONS IN GRADE.
7. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE OF ALL FINISHED GRADE SURFACES, SIDEWALKS AND PATIOS AWAY FROM STRUCTURES AND VERIFY THAT ALL AREAS AFFECTED BY CONSTRUCTION ARE PROPERLY DRAINED, WITH NO PONDING.
8. CONTRACTOR SHALL REMOVE ALL EXCAVATED OR EXCESS SOIL, DEBRIS AND MATERIALS NOT REQUIRED BY CONSTRUCTION. CONFIRM ANY ITEMS TO REMAIN, OR TO BE SALVAGED WITH ENGINEER PRIOR TO START OF CONSTRUCTION.

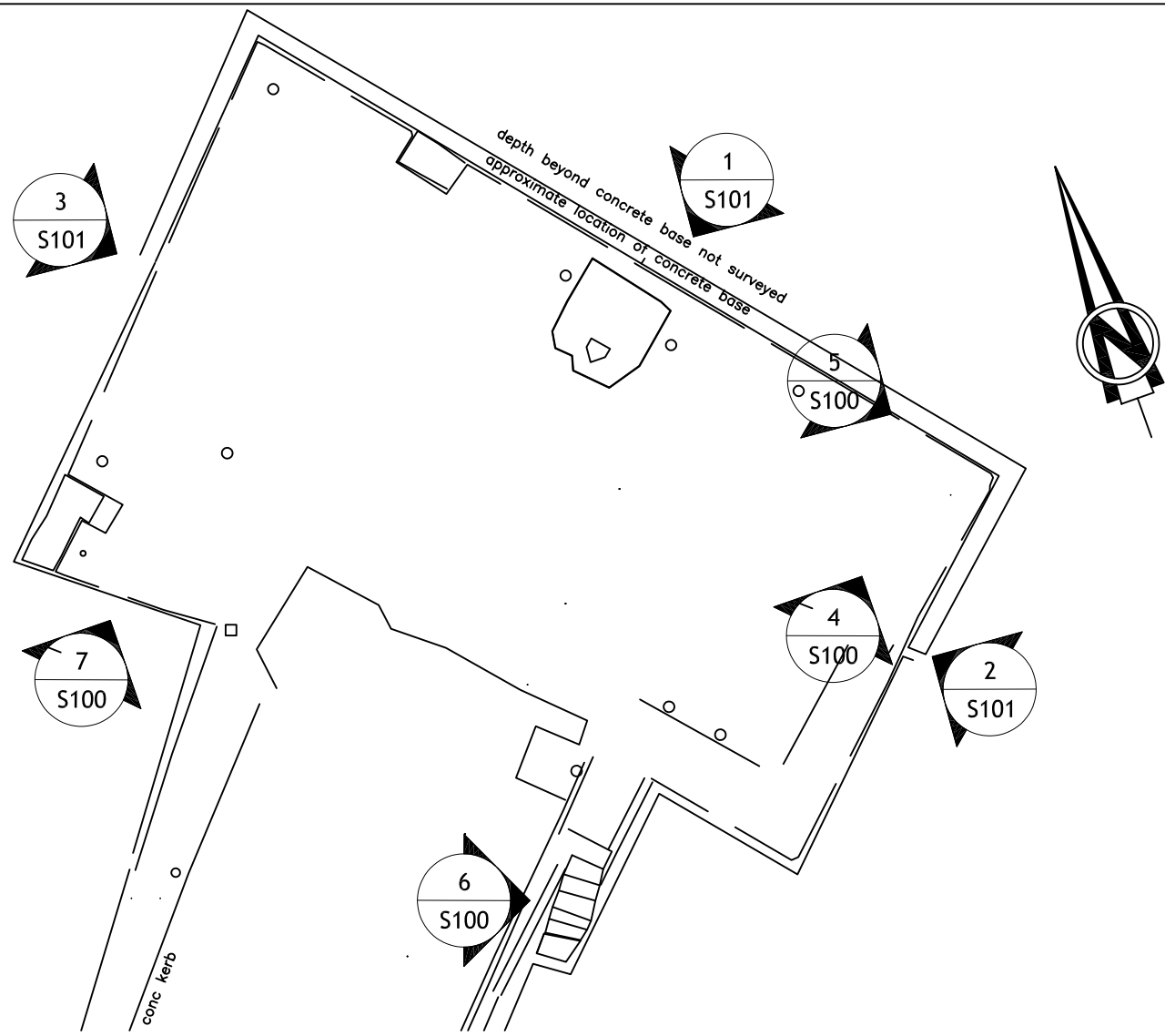
CONCRETE NOTES

1. CONCRETE MIX DESIGN AND TESTING SHALL MEET THE REQUIREMENTS OF ACI318-11 AND THE BERMUDA RESIDENTIAL CODE 2014
2. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 3000psi U.N.O.
3. CONCRETE SLUMP TO BE 4" ± 1"
4. CONCRETE SHALL BE MIXED, PLACED, AND CURED IN ACCORDANCE WITH ACI 318-11, CHAPTERS 3, 4 AND 5, AND THE PROJECT SPECIFICATIONS AND ACI 301-10.
5. REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".
6. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS OR COLUMNS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES SHALL BE USED TO PLACE CONCRETE AS CLOSE AS POSSIBLE TO ITS FINAL POSITION IN THE STRUCTURE. THE CONCRETE SHALL BE PLACED SUCH THAT THE SURFACE REMAINS LEVEL AT ALL TIMES.
7. UNLESS OTHERWISE NOTED, THE SURFACE OF THE CONCRETE AT HORIZONTAL CONSTRUCTION JOINTS SHALL BE PRESSURE WASHED OR MECHANICALLY BRUSHED A MINIMUM OF 24 HOURS AND A MAXIMUM OF 72 HOURS AFTER THE CONCRETE IS PLACED. THE CLEANING SHALL BE SUFFICIENT TO EXPOSE CLEAN, SOLIDLY EMBEDDED AGGREGATE. SEE PLANS AND DETAILS FOR LOCATION AND TYPE OF CONSTRUCTION JOINT.
8. ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING DOWELS, BOLTS, ANCHORS, PIPES AND SLEEVES SHALL BE SECURELY POSITIONED IN FORMS BEFORE PLACEMENT OF CONCRETE.
9. NO ADDITIVES TO BE USED WITHOUT PRIOR APPROVAL FROM ENGINEER.

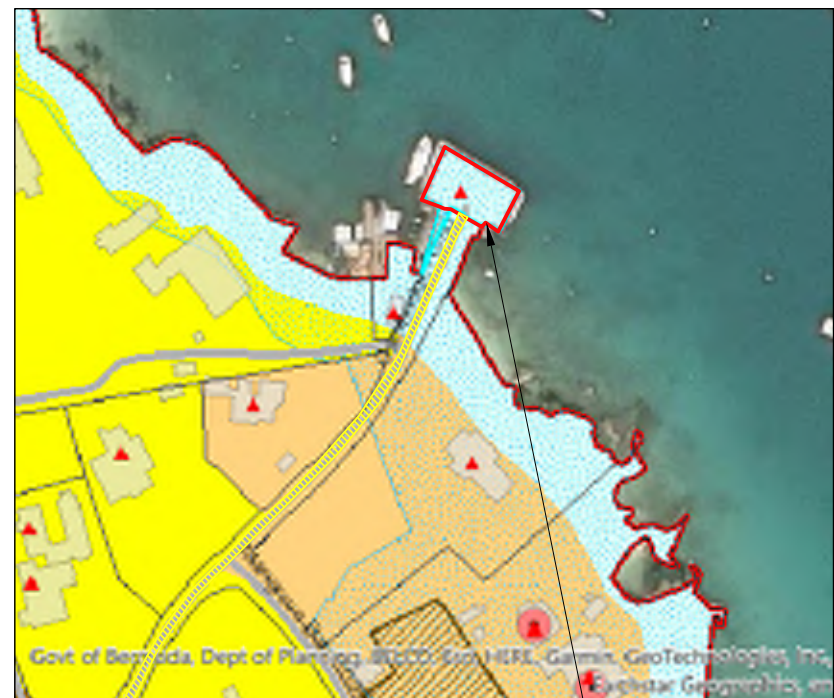
REINFORCING STEEL NOTES

1. ALL REINFORCING SHALL CONFORM TO ASTM767 CLASS II STANDARD AND ASTM A615 GRADE 60
2. STEEL SHALL BE KEPT CLEAN AND GALVANIZED AREAS THAT WERE DAMAGED DURING PLACEMENT, BENDING, ETC. SHALL BE COATED WITH GALVANIZED PAINT
3. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION AND DELIVERY OF REINFORCING STEEL.
4. REINFORCEMENT PROTECTION:
 - 4.1. CONCRETE POURED MARINE WORK.....3"
 - 4.2. CONCRETE POURED AGAINST EARTH.....3"
 - 4.3. CONCRETE PLACED IN FORMS, EXPOSED TO WEATHER ...2"
 - 4.4. COLUMNS, GIRDERS, AND BEAMS.....1-1/2"
 - 4.5. INTERIOR WALLS AND SLABS..... 1-1/2"
5. EACH REINFORCING BAR SHALL BE WIRED TO A CROSS BAR AT A MAXIMUM SPACING OF 24"
6. DETAIL BARS IN ACCORDANCE WITH ACI DETAILING MANUAL, 2004. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING STEEL IN THE POSITIONS SHOWN ON THE PLANS.
7. ALL DOWELS, ANCHOR BOLTS, AND OTHER HARDWARE TO BE SET IN CONCRETE SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE.

 <p>WESTBROOK Engineering Ltd.</p>	PROJECT NAME DOCK REPAIR MANGROVE BAY WHARF	SHEET TITLE GENERAL NOTES		
	ADDRESS MANGROVE BAY WHARF #2 CAMBRIDGE ROAD SANDYS BERMUDA	DRAWN BY: JM DATE: 28/MAY/2024	CHECKED BY: JM DATE: 28/MAY/24	FOR REVIEW 
#6 Bakery Lane, Pembroke HM07 - P.O. Box HM 768 Hamilton HMCX Tel:441-595-2580 Email:jmangets@westbrook.bm www.westbrook.bm	APPROVED BY: - DATE: -	PROJECT #: 21099	REVISION 	SHEET TITLE S100
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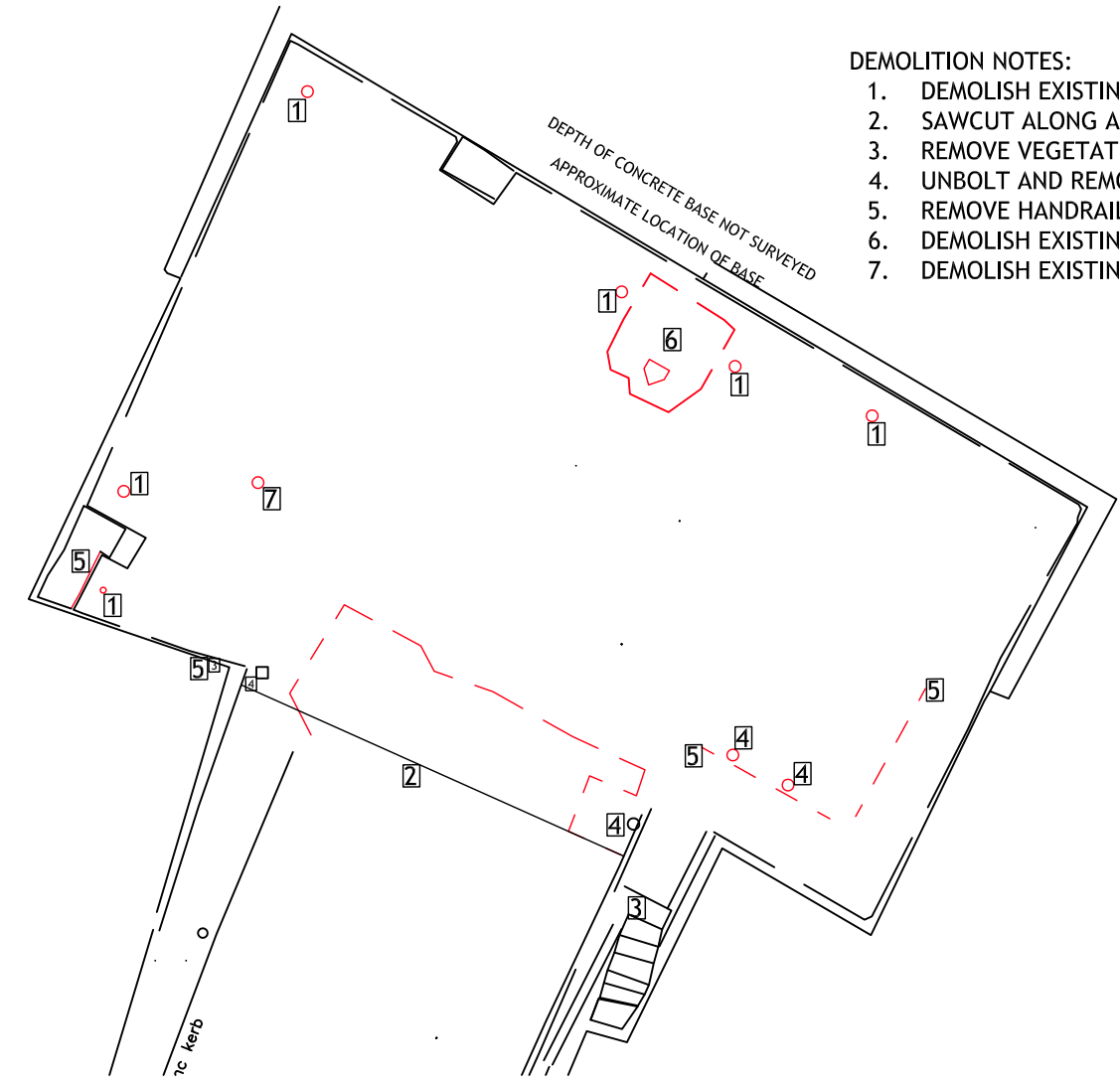


1 PARTIAL SITE PLAN
SCALE: $\frac{1}{16}'' = 1'-0''$



3 LOCATION PLAN
SCALE: 1:2500

MANGROVE BAY WHARF
AREA OF PROPOSED WORKS



2 DEMO PLAN
SCALE: $\frac{1}{16}'' = 1'-0''$

- DEMOLITION NOTES:
1. DEMOLISH EXISTING BOLLARD
 2. SAWCUT ALONG ASPHALT
 3. REMOVE VEGETATION
 4. UNBOLT AND REMOVE SQUARE POSTS STORE FOR REUSE.
 5. REMOVE HANDRAIL
 6. DEMOLISH EXISTING WINCH AND UPSTAND
 7. DEMOLISH EXISTING FENCE POST



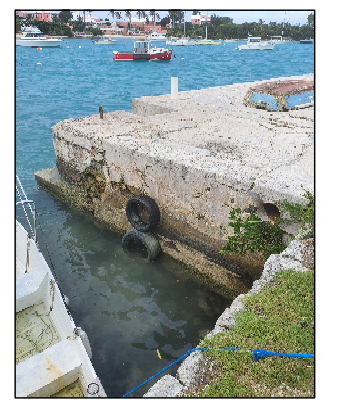
4 DAMAGED AREA



5 DAMAGED CORNER

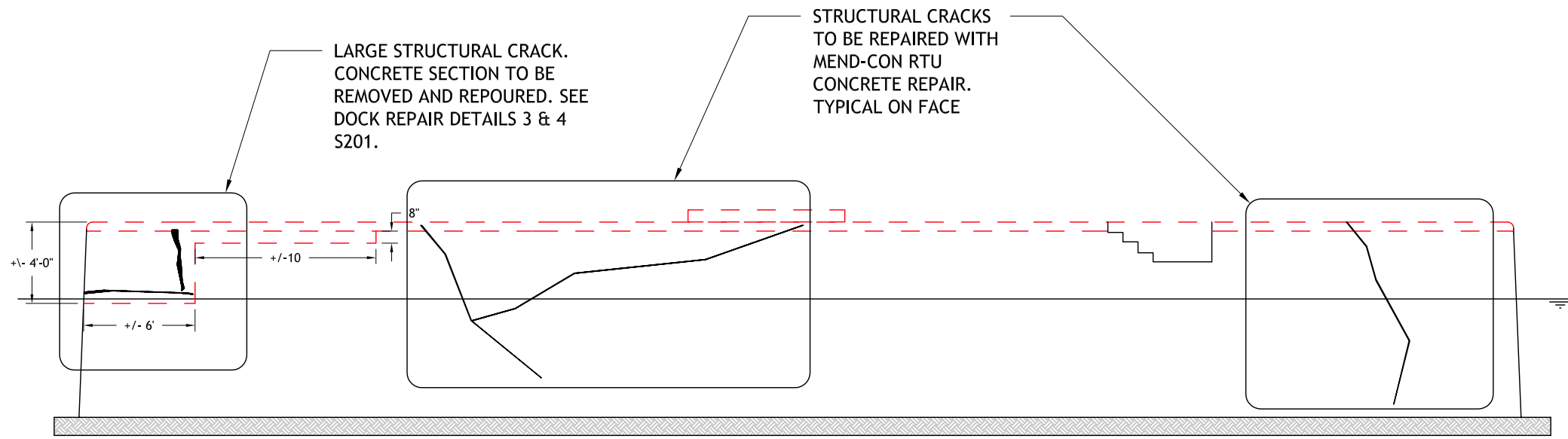


6 VEGETATION AND DAMAGED STAIRS

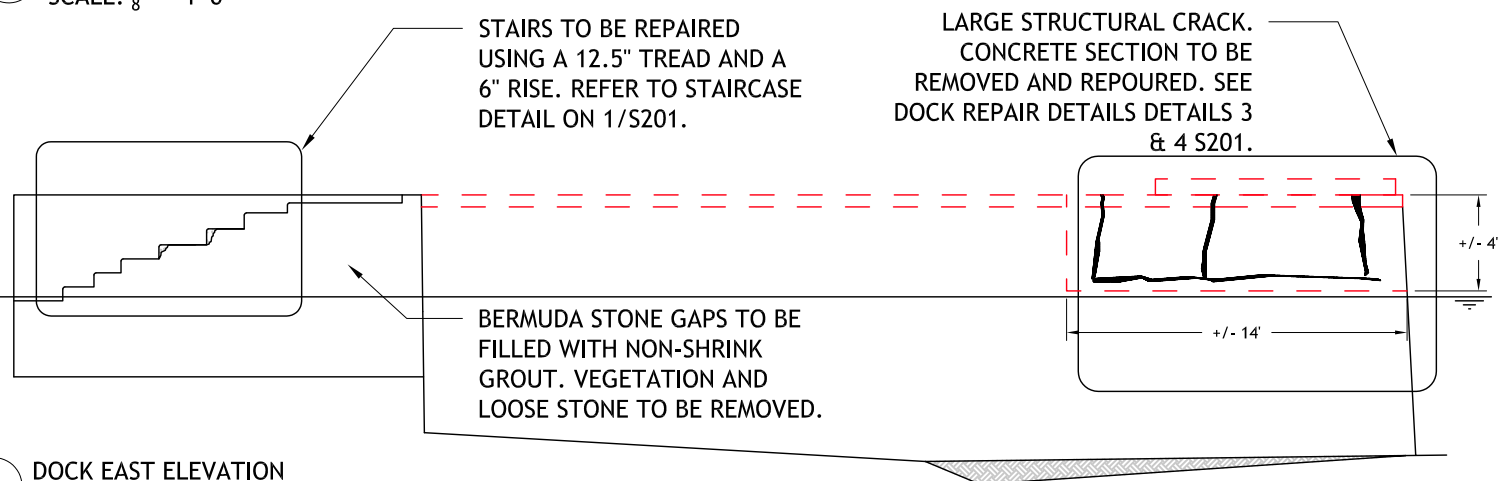


7 VEGETATION AND EXISTING PIPE

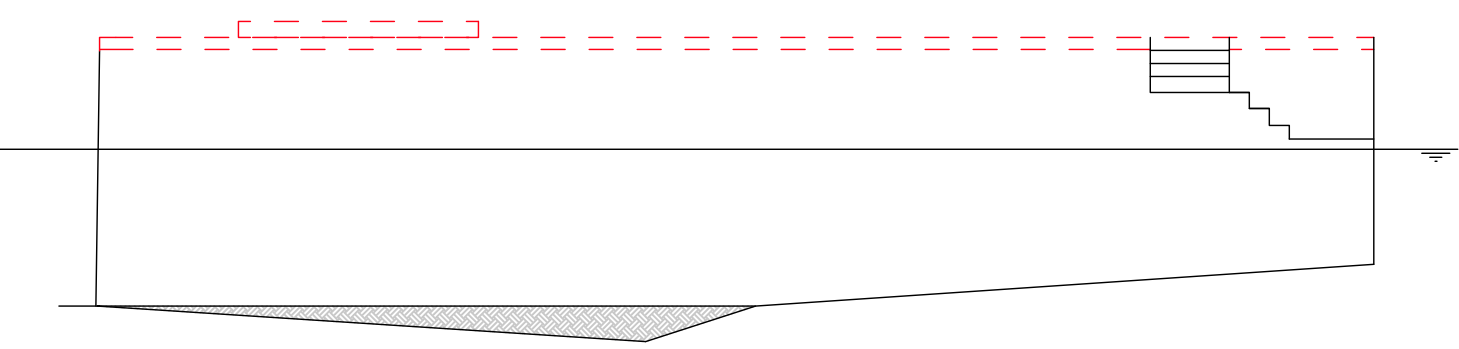
	PROJECT NAME DOCK REPAIR MANGROVE BAY WHARF	SHEET TITLE PARTIAL SITE, LOCATION & DEMO PLAN		
	ADDRESS MANGROVE BAY WHARF #2 CAMBRIDGE ROAD SANDYS BERMUDA	DRAWN BY: JD DATE: 1/AUG/22 APPROVED BY: - DATE: -	CHECKED BY: JM DATE: 1/MAY/24 PROJECT #: 21099 SCALE: AS SHOWN	FOR REVIEW REVISION SHEET TITLE S100
#6 Bakery Lane, Pembroke HM07 - P.O. Box HM 768 Hamilton HMCX Tel:441-595-2580 Email:jmangets@westbrook.bm www.westbrook.bm				



1 DOCK NORTH ELEVATION
SCALE: $\frac{1}{8}$ " = 1'-0"

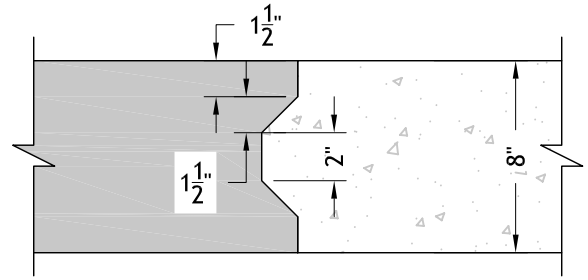
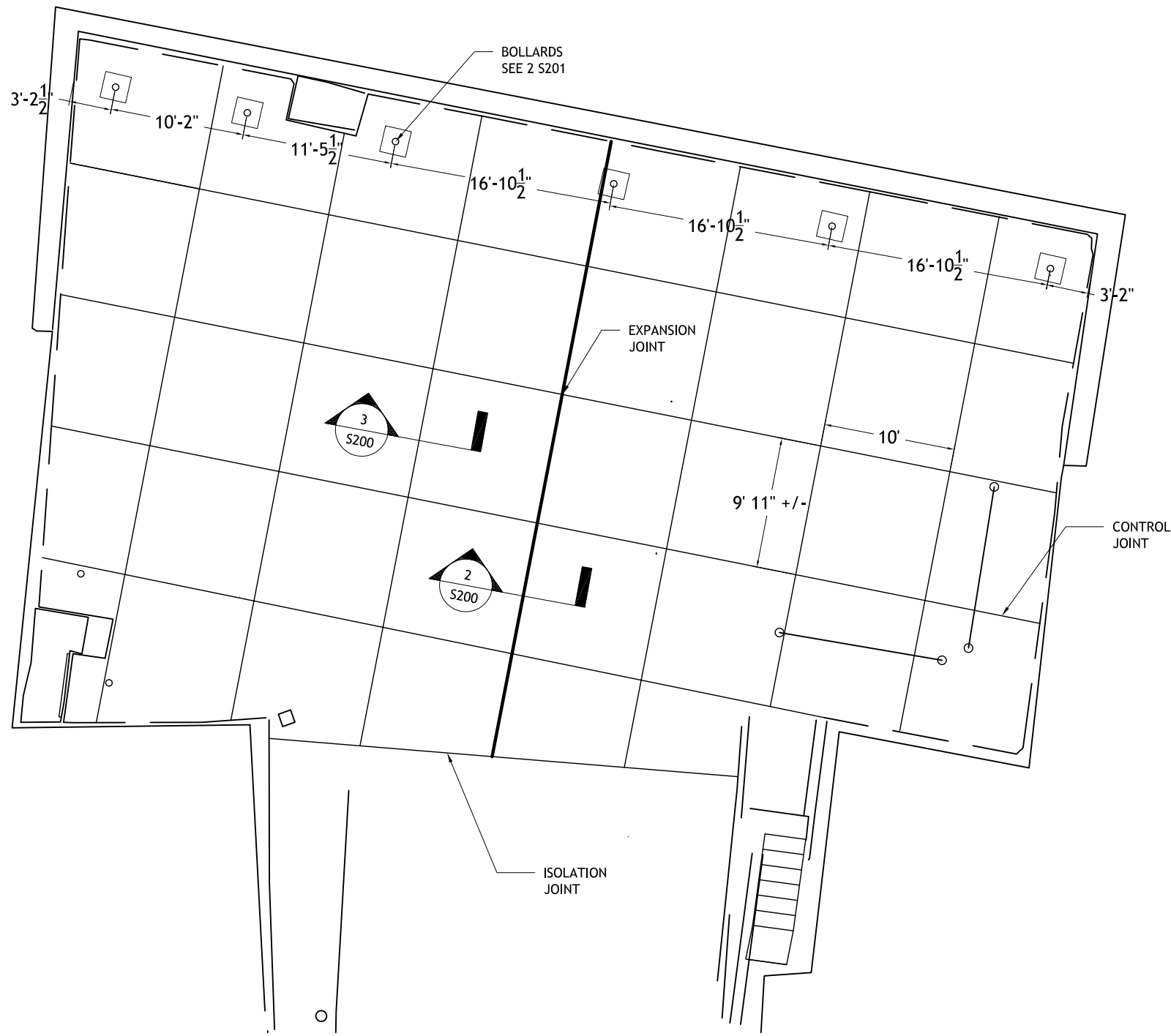


2 DOCK EAST ELEVATION
SCALE: $\frac{1}{8}$ " = 1'-0"

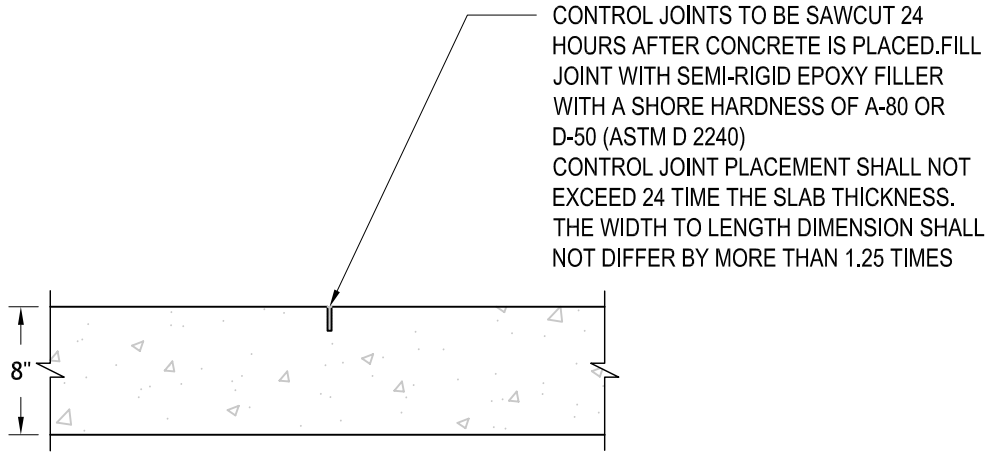


3 DOCK WEST ELEVATION
SCALE: $\frac{1}{8}$ " = 1'-0"

 #6 Bakery Lane, Pembroke HM07 - P.O. Box HM 768 Hamilton HMCX Tel: 441-595-2580 Email: jmangets@westbrook.bm www.westbrook.bm	PROJECT NAME DOCK REPAIR MANGROVE BAY WHARF	SHEET TITLE EXISTING ELEVATIONS		
	ADDRESS MANGROVE BAY WHARF #2 CAMBRIDGE ROAD SANDYS BERMUDA	DRAWN BY: JD DATE: 1/AUG/22	CHECKED BY: JM DATE: 3/AUG/22	FOR REVIEW 
	APPROVED BY: - DATE: -	PROJECT #: -	REVISION 	
		SCALE: AS SHOWN	SHEET TITLE S101	



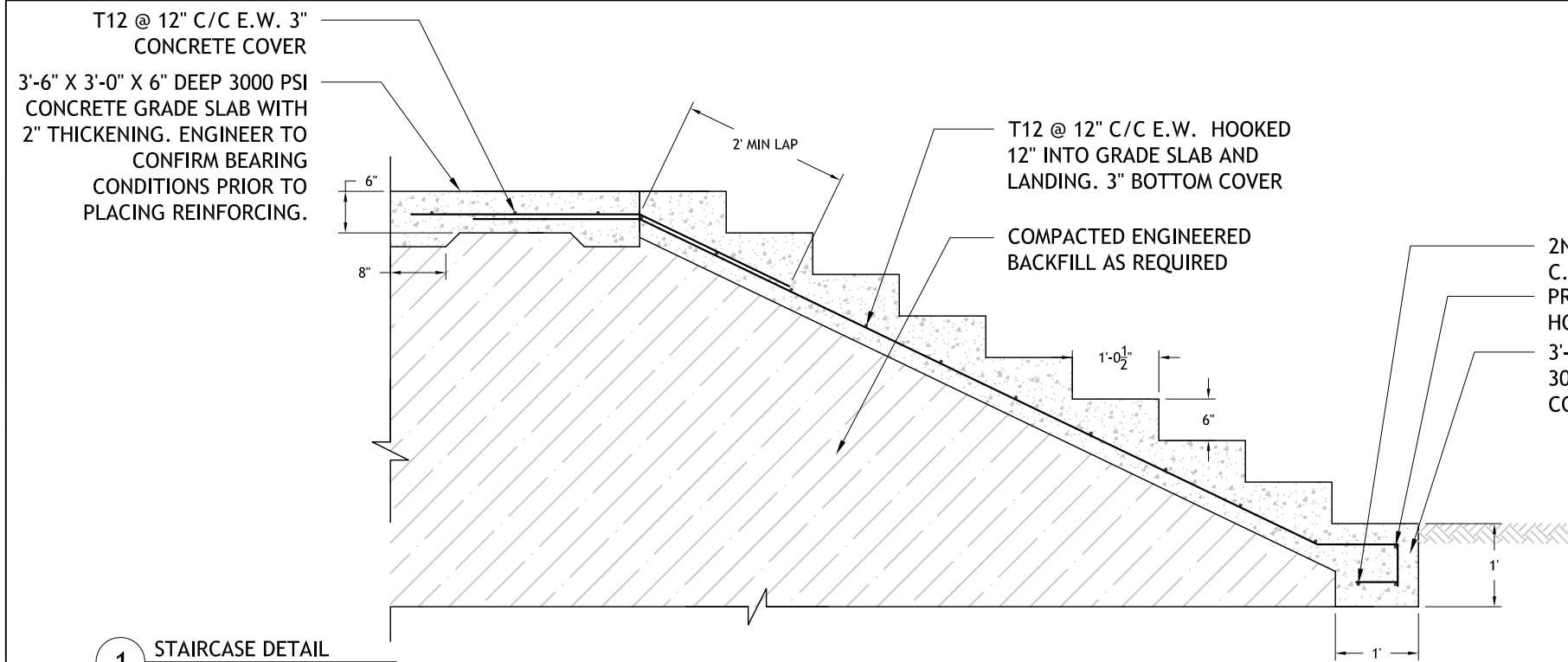
2 EXPANSION JOINT DETAIL
SCALE: 1-1/2" = 1'-0"



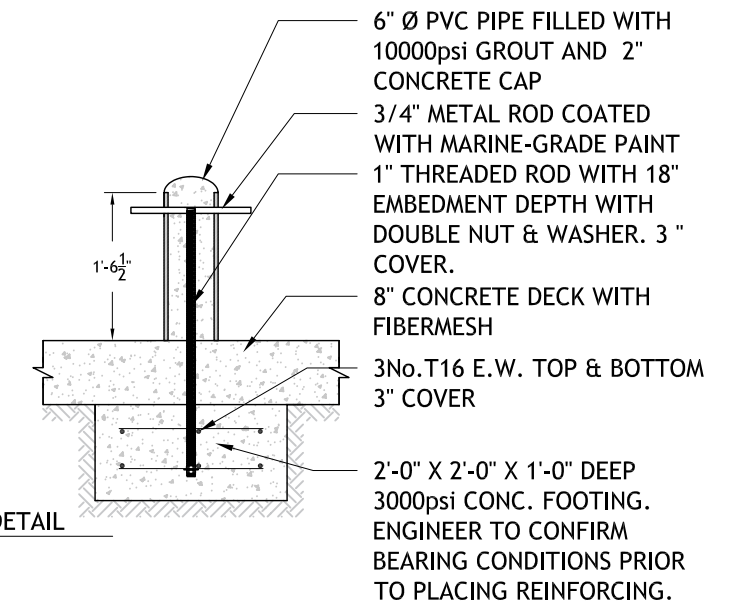
3 CONTROL JOINT DETAIL
SCALE: 1-1/2" = 1'-0"

1 PROPOSED DOCK PLAN
SCALE: 3/32" = 1'-0"

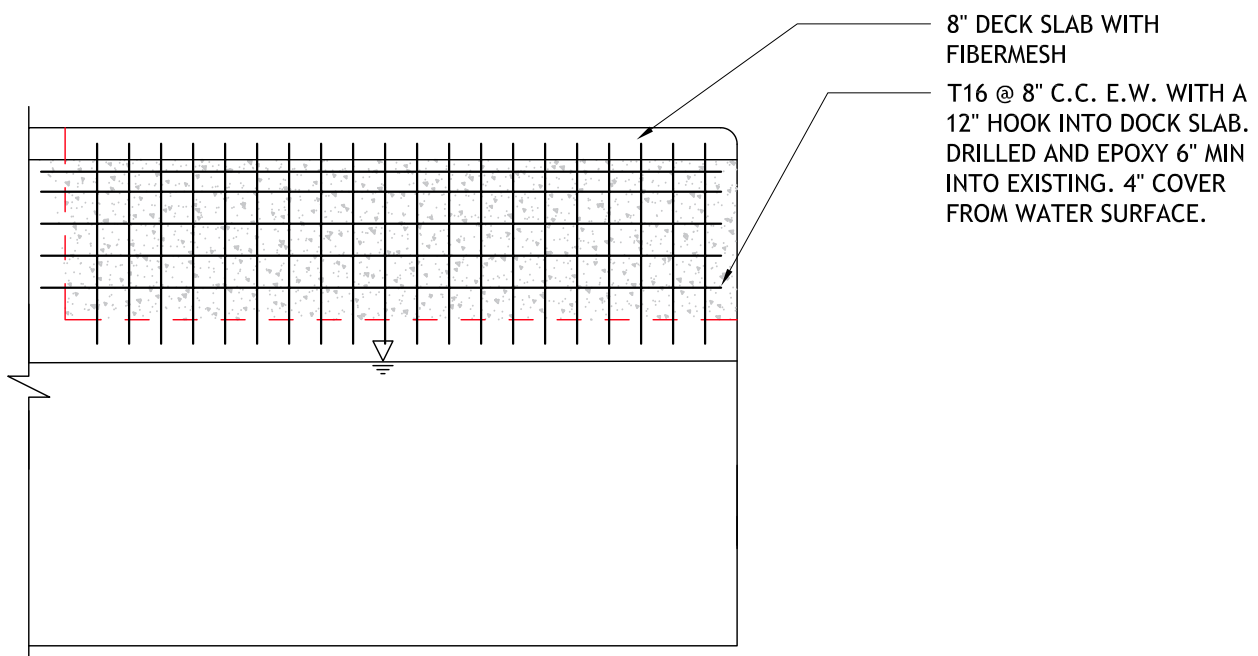
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	ADDRESS MANGROVE BAY WHARF #2 CAMBRIDGE ROAD SANDYS BERMUDA	DRAWN BY: JD DATE: 1/AUG/22	CHECKED BY: JM DATE: 3/AUG/22	FOR REVIEW
#6 Bakery Lane, Pembroke HM07 - P.O. Box HM 768 Hamilton HMCX Tel: 441-595-2580 Email: jmangets@westbrook.bm www.westbrook.bm	APPROVED BY: - DATE: -	PROJECT #: -	REVISION	SHEET TITLE S200
		SCALE: AS SHOWN		



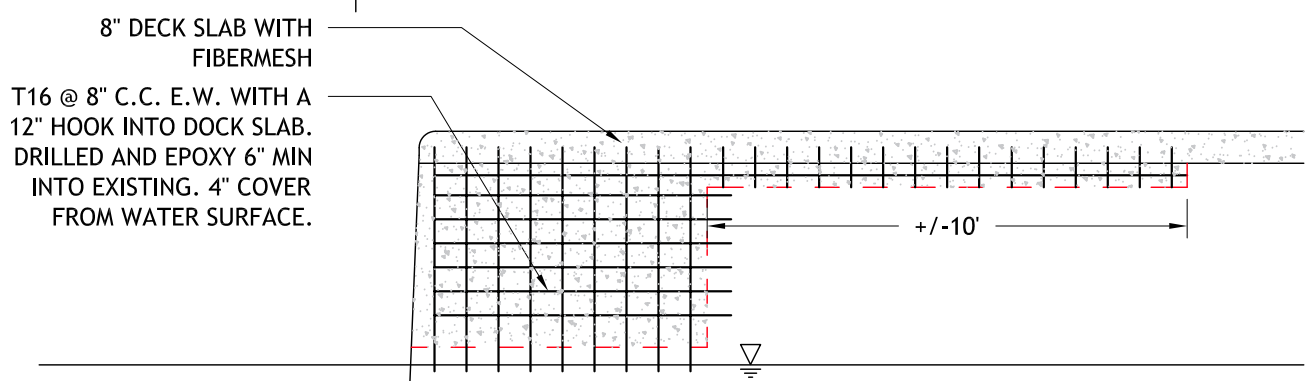
1 STAIRCASE DETAIL
SCALE: 1/2" = 1'-0"



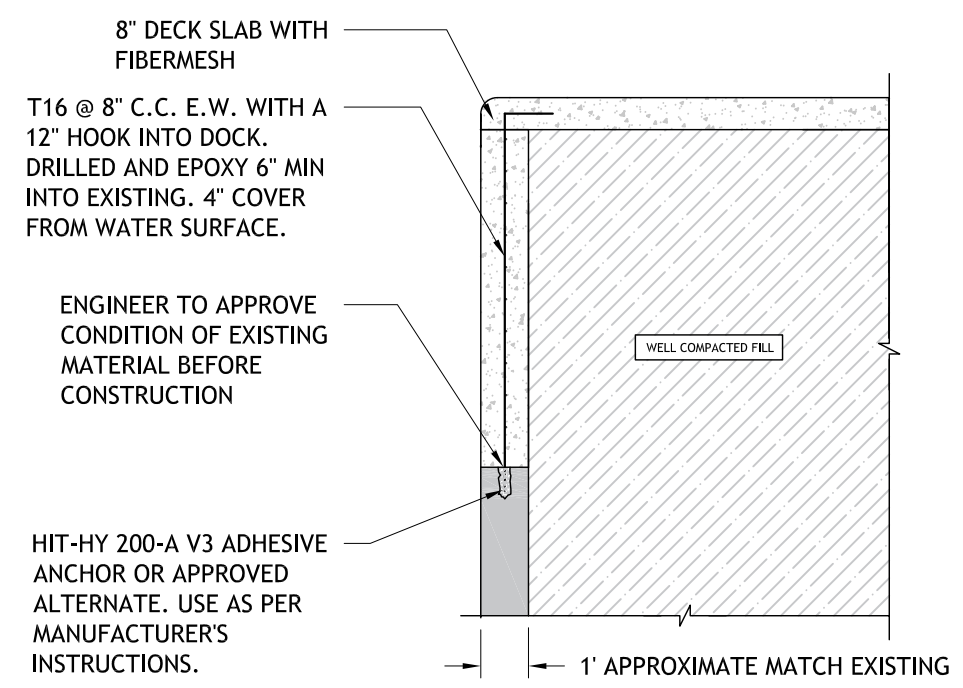
2 TYPICAL BOLLARD DETAIL
SCALE: 1/2" = 1'-0"



3 DOCK REPAIR ELEVATION
SCALE: 1/4" = 1'-0"



5 DOCK REPAIR ELEVATION
SCALE: 1/4" = 1'-0"



4 DOCK REPAIR SECTION
SCALE: 1/4" = 1'-0"

<p>WESTBROOK Engineering Ltd.</p>	PROJECT NAME DOCK REPAIR MANGROVE BAY WHARF	SHEET TITLE STRUCTURAL REPAIRS	
	ADDRESS MANGROVE BAY WHARF #2 CAMBRIDGE ROAD SANDYS BERMUDA	DRAWN BY: JLS DATE: 15/MAR/24	CHECKED BY: JM DATE: 15/MAR/24
#6 Bakery Lane, Pembroke HM07 - P.O. Box HM 768 Hamilton HMCX Tel: 441-595-2580 Email: jmangels@westbrook.bm www.westbrook.bm	APPROVED BY: - DATE: -	PROJECT #: 21099	FOR REVIEW
		SCALE: AS SHOWN	REVISION
			SHEET TITLE S201