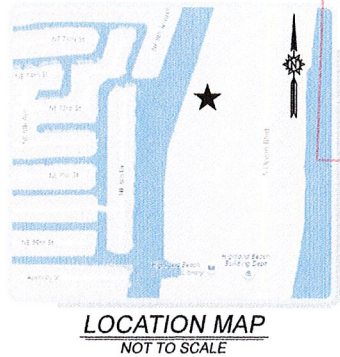
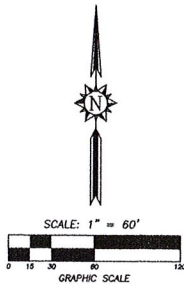
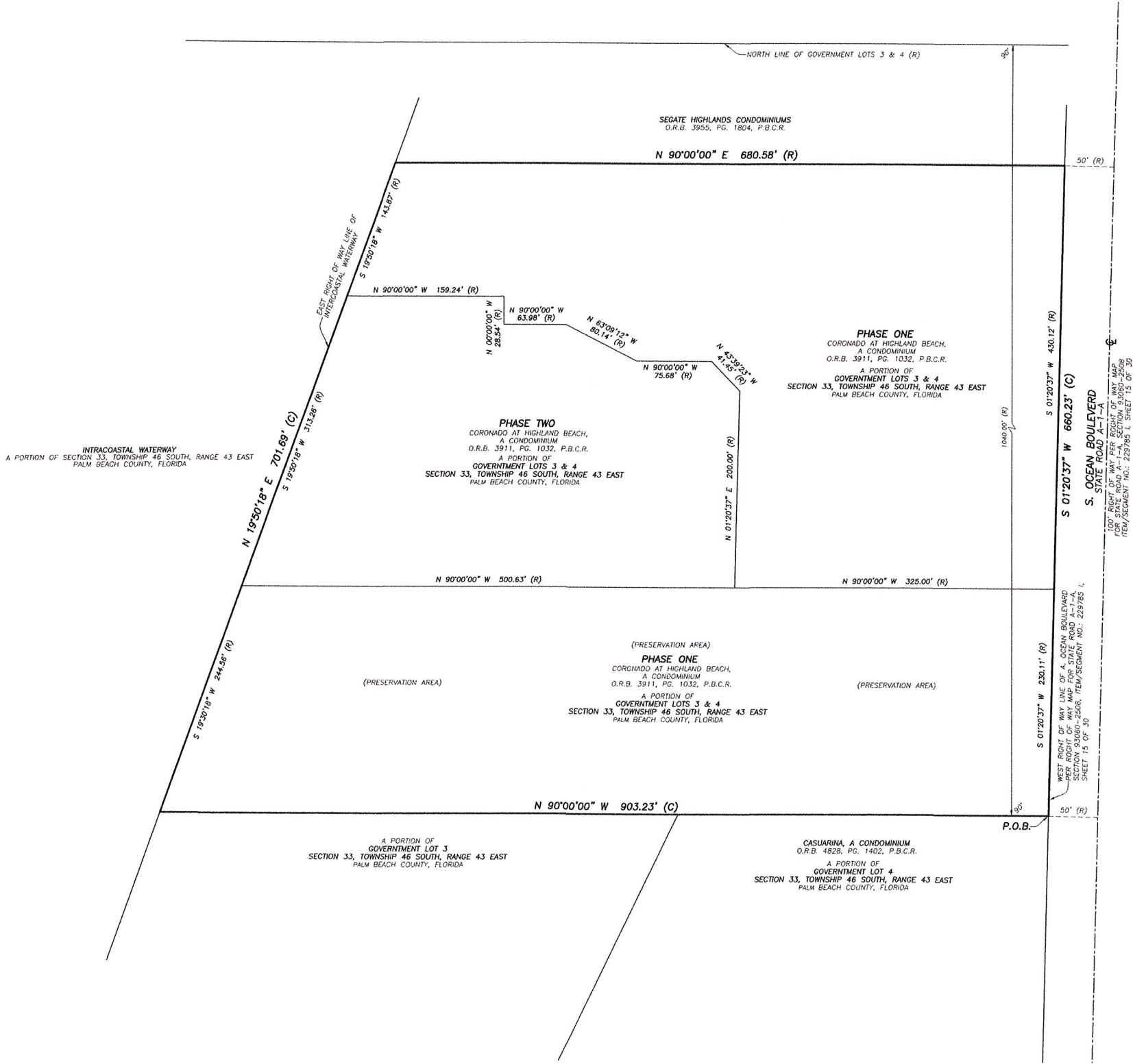


SKETCH OF BOUNDARY AND TOPOGRAPHIC SURVEY OF: **3400 S. OCEAN BLVD., HIGHLAND BEACH, FL.**

LEGEND:

P.B.C.R. . . . . PALM BEACH COUNTY RECORDS  
O.R.B. . . . . OFFICIAL RECORDS BOOK  
PG. . . . . PAGE  
(C) . . . . . CALCULATED  
(R) . . . . . DENOTES DISTANCE BASED ON  
RECORD INFORMATION  
P.O.B. . . . . POINT OF BEGINNING  
℄ . . . . . CENTERLINE



LEGAL DESCRIPTION: (METES AND BOUNDS)

A PORTION OF GOVERNMENT LOTS 3 AND 4, OF SECTION 33, TOWNSHIP 46 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT OF INTERSECTION WITH A LINE 1,040.00 FEET SOUTH OF AND PARALLEL, WITH THE NORTH LINE OF SAID GOVERNMENT LOTS 3 AND 4 AND THE WEST RIGHT OF WAY LINE OF THE 100.00 FOOT RIGHT OF WAY OF STATE ROAD A-1-A;

THENCE RUN NORTH 90°00'00" WEST, A DISTANCE OF 903.23 FEET TO A POINT OF INTERSECTION WITH THE EAST RIGHT OF WAY LINE OF THE INTRACOASTAL WATERWAY; THENCE NORTH 19°50'18" EAST, ALONG SAID EAST RIGHT OF WAY LINE OF THE INTRACOASTAL WATERWAY, A DISTANCE OF 701.69 FEET; THENCE NORTH 90°00'00" EAST, A DISTANCE OF 680.58 FEET TO A POINT ON THE WEST RIGHT OF WAY LINE OF THE 100.00 FOOT RIGHT OF WAY OF STATE ROAD A-1-A (S. OCEAN BOULEVARD); THENCE SOUTH 01°20'37" WEST, ALONG SAID WEST RIGHT OF WAY LINE, A DISTANCE OF 660.23 FEET TO THE POINT OF BEGINNING.

SAID LANDS SITUATE, LYING AND BEING IN PALM BEACH COUNTY, FLORIDA AND CONTAINING 522,692 SQUARE FEET (12.00 ACRES), MORE OR LESS.

SURVEY NOTES:

1. THIS SURVEY REPRESENTS A BOUNDARY AND TOPOGRAPHIC SURVEY AS DEFINED BY STANDARDS OF PRACTICE FOR SURVEYING AND MAPPING, CHAPTER 51-17, FLORIDA ADMINISTRATIVE CODES. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

2. ECS LAND SURVEYORS, INC., DID NOT SEARCH THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA FOR OWNERSHIP, RIGHTS-OF-WAY, EASEMENTS OR OTHER MATTERS AFFECTING THE PROPERTY BEING SURVEYED. THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

3. THE ELEVATIONS SHOWN HEREON ARE BASED ON A PALM BEACH BENCHMARK "Z 312 DISTURBED" AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THE MARK IS A U.S.C. & G. BRASS DISK SET ON CONCRETE MONUMENT AND IS LOCATED 32.5 FEET WEST OF THE CENTERLINE OF STATE ROAD A-1-A AND 31.5 FEET SOUTH OF THE APPROXIMATE CENTERLINE OF BEL LIDO DRIVE. ELEVATION=3.76'.

4. THE SYMBOLS REFLECTED IN THE LEGEND AND ON THIS SURVEY MAY HAVE BEEN ENLARGED FOR CLARITY. THE SYMBOLS HAVE BEEN PLOTTED AT THE CENTER OF THE FIELD LOCATION AND MAY NOT REPRESENT THE ACTUAL SHAPE OR SIZE OF THE FEATURE.

5. THE INFORMATION DEPICTED ON THIS SURVEY REPRESENTS THE RESULTS OF A FIELD SURVEY ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS A REPRESENTATION OF THE GENERAL CONDITIONS EXISTING AT THAT TIME.

6. THE SURVEYOR DID NOT INSPECT THE PROPERTY SHOWN HEREON FOR ENVIRONMENTAL HAZARDS.

7. OWNERSHIP OF WALLS OR FENCES WAS NOT DETERMINED.

8. THE INFORMATION CONTAINED IN THIS DOCUMENT WAS PREPARED BY ECS LAND SURVEYORS, INC. ECS HAS TAKEN ALL REASONABLE STEPS TO ENSURE THE ACCURACY OF THIS DOCUMENT. WE CANNOT GUARANTEE THAT ALTERATIONS AND/OR MODIFICATIONS WILL NOT BE MADE BY OTHERS AFTER IT LEAVES OUR POSSESSION. THIS DOCUMENT MUST BE COMPARED TO THE ORIGINAL, HARD COPY (WHICH BEARS THE RAISED SURVEYOR'S CERTIFICATION SEAL IF APPLICABLE) TO ENSURE THE ACCURACY OF THE INFORMATION CONTAINED HEREON AND TO FURTHER ENSURE THAT ALTERATIONS AND/OR MODIFICATIONS HAVE NOT BEEN MADE. ECS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OF THE INFORMATION CONTAINED IN THIS OR ANY DOCUMENT TRANSMITTED OR REVIEWED BY COMPUTER OR OTHER ELECTRONIC MEANS. CONTACT ECS DIRECTLY FOR VERIFICATION OF ACCURACY.

9. SUBSURFACE UTILITIES, FOUNDATIONS AND ENCROACHMENTS WERE NOT LOCATED AND ARE NOT SHOWN HEREON. THIS SITE COULD HAVE UNDERGROUND INSTALLATIONS THAT ARE NOT SHOWN HEREON. BEFORE DESIGN, CONSTRUCTION OR EXCAVATION, CONTACT SUNSHINE STATE ONE CALL OF FLORIDA (1-800-432-4770) AND THE APPROPRIATE UTILITY COMPANIES FOR FIELD VERIFICATION OF UTILITIES. THIS SURVEY IS LIMITED TO ABOVEGROUND FEATURES ONLY.

10. HEDGES, ORNAMENT PLANTS, IRRIGATION LINES, WELLS AND SPRINKLERS HEADS (IF ANY), NOT LOCATED OR SHOWN HEREON.

11. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

12. THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE AE, ELEVATION=6' (NAVD 88), AS SHOWN IN FLOOD INSURANCE RATE MAP NUMBER 12099C 0987 F, COMMUNITY NUMBER 125111, TOWN OF HIGHLAND BEACH, PALM BEACH COUNTY, FLORIDA. MAP REVISED DATE: OCTOBER 5, 2017.

13. BUILDING DIMENSIONS WERE MEASURED AT GROUND LEVEL AND ARE OVERALL. ARCHITECTURAL DETAILS MAY NOT BE SHOWN.

14. THIS FIRM HAS IDENTIFIED VARIOUS TYPES OF TREES LOCATED ON THIS SITE BASED ON COMMON KNOWLEDGE OF TREE SPECIES. A QUALIFIED LANDSCAPE ARCHITECT SHOULD BE EMPLOYED FOR POSITIVE IDENTIFICATION OF TREE SPECIES. TREE DIAMETERS ARE APPROXIMATE AND WERE MEASURED AT BREAST HEIGHT. ONLY TREES 4 CALIPER INCHES IN DIAMETER OR LARGER WERE LOCATED AND SHOWN ON THE SURVEY. DEAD TREES, HEDGES AND GROUND COVER WERE NOT LOCATED AND ARE NOT SHOWN HEREON. EXOTIC TREES SUCH AS MELALEUCA, BRAZILIAN PEPPER AND AUSTRALIAN PINE WERE NOT LOCATED OR SHOWN HEREON.

THIS SURVEY IS CERTIFIED TO:

CUMMINS CEDERBERG.

CERTIFICATE:

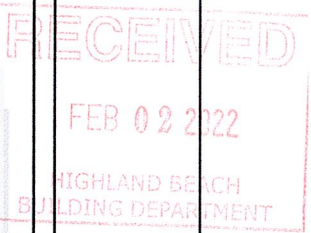
THIS IS TO CERTIFY THAT THIS BOUNDARY AND TOPOGRAPHIC SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND IS ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JAVIER DE LA ROCHA  
PROFESSIONAL SURVEYOR AND MAPPER NO. 6080  
STATE OF FLORIDA

ECS LAND SURVEYORS, INC. L.B. 7551  
EMAIL:JAVIER@ECSLANDSURVEYORS.COM



Digitally signed by  
Javier De La Rocha  
Date: 2020.01.03  
13:57:43 -05'00'



TELEPHONE NO. 561-314-0768 FAX NO. 561-314-0770



3460 FAIRLANE FARMS ROAD, SUITE 6, WELLINGTON, FL 33414

SEAL  
NOT VALID UNLESS  
SEALED HERE  
WITH  
AN EMBOSSED  
SURVEYOR'S SEAL

SKETCH OF BOUNDARY AND  
TOPOGRAPHIC SURVEY

CORONADO AT HIGHLAND BEACH  
A CONDOMINIUM

O.R.B. 29232, PG. 780, P.B.C.R.

3400 S. OCEAN BLVD., HIGHLAND BEACH, FL 33487

CLIENT: CUMMINS CEDERBERG

DATE: 09/18/18

DRAWN BY: J.E.C.

CHK'D BY: JDLR

LAST FIELD DATE: 09/04/18

REVISIONS

JOB NO.

ECS1397  
TASK 2

SHEET NO.

01

OF

02



SKETCH OF TOPOGRAPHIC SURVEY OF: **3400 S. OCEAN BLVD., HIGHLAND BEACH, FL.**

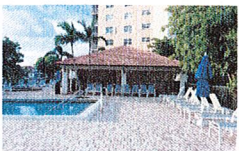
- LEGEND:
- P.B.C.R. PALM BEACH COUNTY RECORDS
  - O.R.B. OFFICIAL RECORDS BOOK
  - PG. PAGE
  - P.E. POOL EQUIPMENT
  - NAVD 88 NORTH AMERICAN VERTICAL DATUM OF 1988
  - TRAV. PT. TRAVERSE POINT
  - F.F.E. FINISHED FLOOR ELEVATION
  - TR 447 TREE NUMBER 447
  - RIM EL. RIM ELEVATION
  - (C) CALCULATED
  - (R) DENOTES DISTANCE BASED ON RECORD INFORMATION
  - P.O.B. POINT OF BEGINNING
  - CATCH BASIN
  - STORM DRAIN MANHOLE
  - WATER METER
  - WATER VALVE
  - FIRE HYDRANT
  - TELEPHONE BOX
  - CABLE TV RISER
  - SANITARY SWEET MANHOLE
  - WOOD PILE
  - METAL LIGHT POLE
  - SIGN
  - FIRE VALVE
  - ELECTRIC PANEL
  - UTILITY MANHOLE
  - PLANTER
  - CLEANOUT
  - BACKFLOW PREVENTER
  - FIRE DEPARTMENT CONNECTION
  - ELECTRICAL METER
  - LAKE EQUIPMENT
  - DETECTABLE WARNING PLATE
  - SPOT ELEVATION
  - VIEW 1



VIEW 1  
NOT TO SCALE



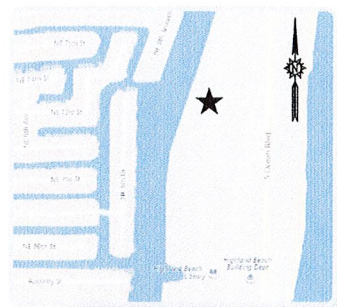
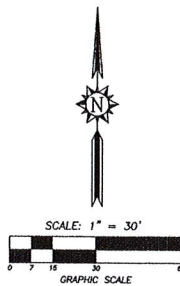
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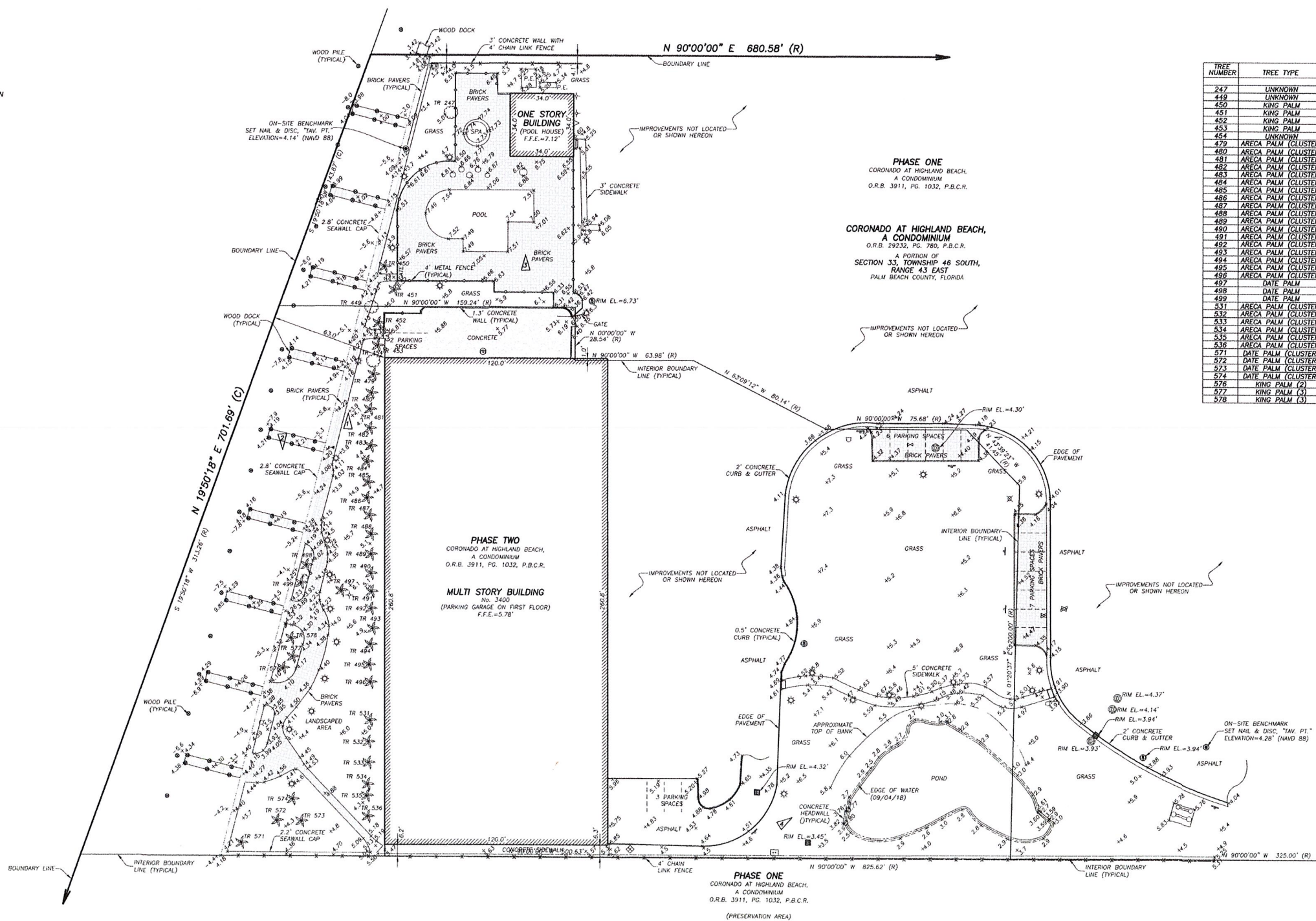
VIEW 3  
NOT TO SCALE



VIEW 3  
NOT TO SCALE



LOCATION MAP  
NOT TO SCALE



TREE TABLE					
TREE NUMBER	TREE TYPE	DIAMETER AT BREAST	HEIGHT	CANOPY DIAMETER	TOTAL HEIGHT
247	UNKNOWN	12"	15'	20'	
449	UNKNOWN	12"	15'	20'	
450	KING PALM	24"	25'	3'	
451	KING PALM	24"	25'	3'	
452	KING PALM	24"	25'	3'	
453	KING PALM	24"	25'	3'	
454	UNKNOWN	4"	5'	5'	
479	ARECA PALM (CLUSTER)	36"	25'	5'	
480	ARECA PALM (CLUSTER)	36"	25'	5'	
481	ARECA PALM (CLUSTER)	36"	25'	5'	
482	ARECA PALM (CLUSTER)	36"	25'	5'	
483	ARECA PALM (CLUSTER)	36"	25'	5'	
484	ARECA PALM (CLUSTER)	36"	25'	5'	
485	ARECA PALM (CLUSTER)	36"	25'	5'	
486	ARECA PALM (CLUSTER)	36"	25'	5'	
487	ARECA PALM (CLUSTER)	36"	25'	5'	
488	ARECA PALM (CLUSTER)	36"	25'	5'	
489	ARECA PALM (CLUSTER)	36"	25'	5'	
490	ARECA PALM (CLUSTER)	36"	25'	5'	
491	ARECA PALM (CLUSTER)	36"	25'	5'	
492	ARECA PALM (CLUSTER)	36"	25'	5'	
493	ARECA PALM (CLUSTER)	36"	25'	5'	
494	ARECA PALM (CLUSTER)	36"	25'	5'	
495	ARECA PALM (CLUSTER)	36"	25'	5'	
496	ARECA PALM (CLUSTER)	36"	25'	5'	
497	DATE PALM	18"	20'	2'	
498	DATE PALM	18"	10'	1'	
499	DATE PALM	18"	10'	1'	
531	ARECA PALM (CLUSTER)	36"	25'	5'	
532	ARECA PALM (CLUSTER)	36"	25'	5'	
533	ARECA PALM (CLUSTER)	36"	25'	5'	
534	ARECA PALM (CLUSTER)	36"	25'	5'	
535	ARECA PALM (CLUSTER)	36"	25'	5'	
536	ARECA PALM (CLUSTER)	36"	25'	5'	
571	DATE PALM (CLUSTER)	24"	5'		
572	DATE PALM (CLUSTER)	24"	5'		
573	DATE PALM (CLUSTER)	24"	5'		
574	DATE PALM (CLUSTER)	24"	5'		
576	KING PALM (2)	12"	30'	3'	
577	KING PALM (3)	10"	30'	3'	
578	KING PALM (3)	10"	30'	3'	

RECEIVED  
FEB 02 2022  
HIGHLAND BEACH  
BUILDING DEPARTMENT

TELEPHONE NO. 561-314-0769 FAX NO. 561-314-0770  
**MECS**  
LAND SURVEYORS, INC.  
18,755  
3460 FAIRLANE FARMS ROAD, SUITE 6, WELLINGTON, FL. 33414

SEAL  
NOT VALID UNLESS  
SEALED HERE  
WITH  
AN EMBOSSED  
SURVEYOR'S SEAL

SKETCH OF  
TOPOGRAPHIC SURVEY  
CORONADO AT HIGHLAND BEACH  
A CONDOMINIUM  
O.R.B. 20232, PG. 180, P.B.C.R.  
3400 S. OCEAN BLVD., HIGHLAND BEACH, FL. 33487

CLIENT: CLUMMINS CEDERBERG  
DATE: 09/18/18  
DRAWN BY: J.E.C.  
CHK'D BY: JDLR  
LAST FIELD DATE: 09/04/18  
REVISIONS

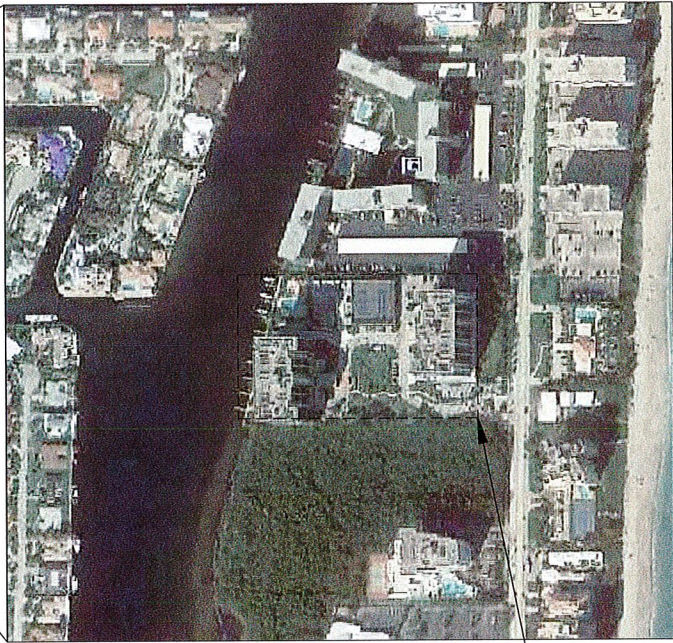
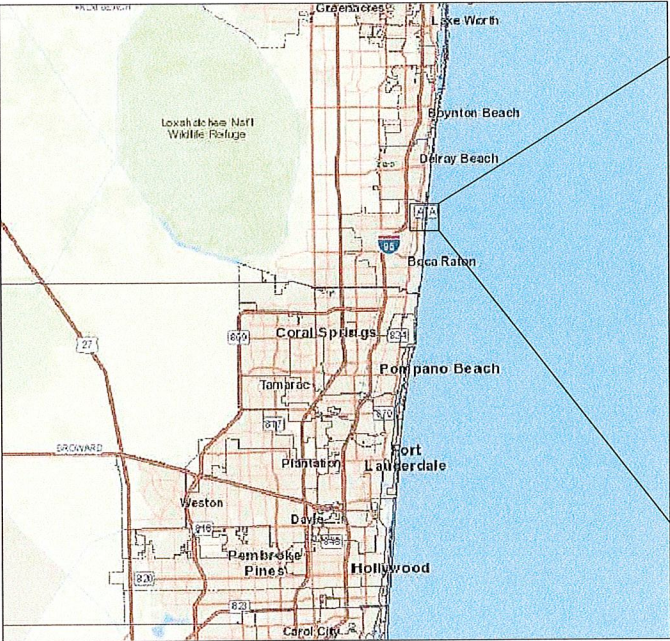
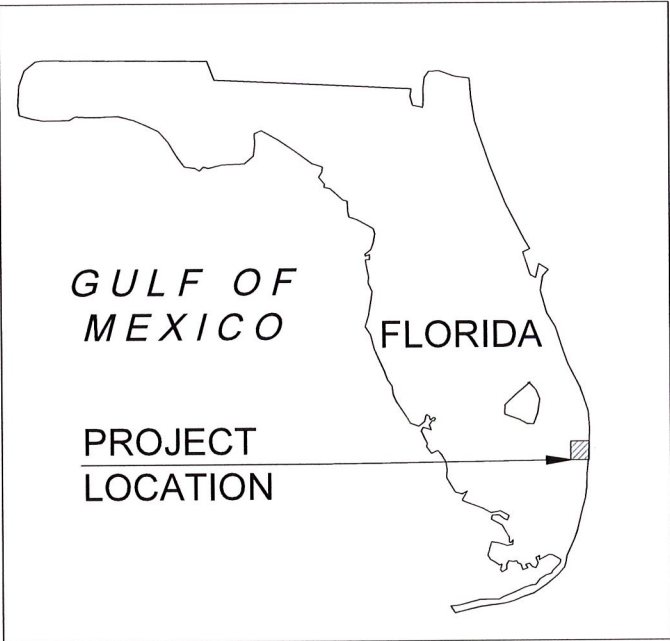
JOB NO.  
**ECS1397**  
**TASK 2**  
SHEET NO.  
02  
OF  
02



# CORONADO CONDOMINIUM DOCKING FACILITY REPLACEMENT

3400 SOUTH OCEAN BOULEVARD  
HIGHLAND BEACH, FL 33487

RECEIVED  
FEB 02 2022  
HIGHLAND BEACH  
BUILDING DEPARTMENT



SHEET INDEX	
SHEET NUMBER	TITLE
CM-1.0	COVER SHEET
CM-1.1	GENERAL NOTES
CM-1.2	EXISTING CONDITIONS
CM-1.3	DEMOLITION PLAN
CM-2.0	DOCK AND PILE LOCATIONS PLAN
CM-2.0	TYPICAL DOCK PLAN AND SECTION
CM-2.1	PROPOSED DOCK SECTIONS AND DETAILS
CM-2.3	TURBIDITY CURTAIN DETAILS

PROJECT LOCATION



CUMMINS | CEDERBERG  
Coastal & Marine Engineering

7550 RED ROAD, SUITE 217  
SOUTH MIAMI, FLORIDA 33143  
TEL: +1 305-741-6155 FAX: 305-974-1969  
WWW.CUMMINS CEDERBERG.COM



## 1. GENERAL

- 1.1. THE WORK CONSISTS OF PROVIDING ALL CONSTRUCTION, LABOR, EQUIPMENT, MATERIAL, DRAWINGS AND OPERATIONS IN CONNECTION WITH THE DOCKING FACILITY REPLACEMENT AS SHOWN ON THESE DRAWINGS.
- 1.2. ANY DISCREPANCIES IN THE PLANS WITH THE FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. CONSTRUCTION SHALL NOT CONTINUE UNTIL THE ENGINEER HAS ADDRESSED THE DISCREPANCIES.
- 1.3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING STRUCTURES IN THE PROJECT VICINITY. ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY WITHIN THE PROJECT VICINITY, INCLUDING STAGING SITES, WORK AND ACCESS AREAS SHALL BE REPAIRED PROMPTLY BY THE CONTRACTOR. ANY DAMAGE AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT NO COST TO THE OWNER. ALL ACCESS AND STAGING AREAS SHALL BE KEPT NEAT, ORDERLY AND IN A SAFE MANNER. ALL ACCESS AND STAGING AREAS SHALL BE RESTORED TO THE PRE-CONSTRUCTION CONDITION UPON PROJECT COMPLETION AT THE COST OF THE CONTRACTOR. THE SITE SHALL BE RESTORED BY REMOVING AND FINISHING ALL EVIDENCE FOR CONSTRUCTION. IN THE EVENT INFRASTRUCTURE (SUCH AS WALKWAYS, SIDEWALKS, FENCES, VEGETATION, ETC.) IS TEMPORARILY REMOVED OR RELOCATED OR THERE IS UNAUTHORIZED DAMAGE TO VEGETATION AND/OR FACILITIES BY THE CONTRACTOR, THE CONTRACTOR SHALL RESTORE ALL DAMAGE TO STRUCTURES AND NATURAL FEATURES TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
- 1.4. UTILITIES ARE NOT SHOWN IN THE PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PRESENT UTILITIES PRIOR TO CONSTRUCTION.
- 1.5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER CLEARANCE AND PROTECTION TO ALL OVERHEAD WIRES AND OBSTRUCTIONS.
- 1.6. THE CONTRACTOR SHALL EXCLUDE THE PUBLIC FROM THE WORK AREAS IN THE IMMEDIATE VICINITY OF OPERATIONS. CONTRACTOR SHALL PROVIDE APPROPRIATE SAFETY MEASURES TO PROTECT THE PUBLIC.
- 1.7. ALL NEW STRUCTURAL WORK SHALL BE ACCURATELY FIELD MEASURED AND DIMENSIONS VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL BE PREPARED TO MAKE FIELD ADJUSTMENTS TO ACCURATELY FIT THE NEW WORK TO EXISTING CONDITIONS.
- 1.8. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE CONTRACTOR HAS BEEN ISSUED NOTICE TO PROCEED.
- 1.9. ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE BY REPRODUCTION. THIS SHOULD BE CONSIDERED WHEN OBTAINING SCALED DATA.
- 1.10. CONSTRUCTION WORK SHALL BE EXECUTED IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL BUILDING CODES AND GOVERNING REGULATIONS. FDEP, USACE, AND PALM BEACH COUNTY. CONTRACTOR SHALL ADHERE TO ALL CONDITIONS OF THE PERMITS AND EXEMPTIONS.

## 2. SURVEY

- 2.1. BOUNDARY SURVEY CONDUCTED BY EXACTA COMMERCIAL SURVEYORS, INC. DATED 01/03/2020.

### 3. LAYOUT AND TESTING

- 3.1. ALL CONSTRUCTION STAKEOUT SHALL BE PERFORMED BY AND PAID FOR BY THE CONTRACTOR UNDER THE SUPERVISION OF A SURVEYOR REGISTERED IN THE STATE OF FLORIDA. ALL TESTING AND INSPECTION FOR ALL WOOD MATERIALS SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS AND SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY.

#### 4. DEMOLITION

- 4.1. CONTRACTOR SHALL VERIFY THE EXTENTS, LOCATION AND QUANTITIES OF EXISTING ELEMENTS TO BE REMOVED.
- 4.2. ALL DEBRIS WITHIN THE LIMITS OF THE PROJECT SHALL BE HAULED OFF SITE BY THE CONTRACTOR, AS DIRECTED BY THE OWNER, AND DISPOSED OF AT AN APPROPRIATE FACILITY.
- 4.3. CONTRACTOR SHALL NOT DAMAGE ANY STRUCTURAL COMPONENTS BEYOND THE DEMOLITION REQUIREMENTS DEPICTED IN THESE DRAWINGS. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

## 5. TIMBER

- 5.1. DESIGN IS IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE, ASCE 7-16 AND 2018 NDS.
- 5.2. ALL DIMENSIONAL LUMBER SHALL BE PRESSURE TREATED, NO.1 DENSE GRADE SYP OR BETTER AND COMPLY WITH A.I.T.C. 109-69 SPECIFICATIONS UNLESS OTHERWISE NOTED.
- 5.3. COAT FIELD CUTS WITH WOOD SEALANT.

## 6. PILING

- 6.1. ALL TIMBER PILES SHALL BE SOUTHERN YELLOW PINE (SYP) AND COMPLY WITH ASTM D25-79 AND BE PRESSURE TREATED W/ MIN. 2.5 PER CA FEDERAL SPECS TT-W-550D(1) OR TT-WV-00550E(1) AND AWFA-P-4.
- 6.2. PILES SHALL HAVE A MINIMUM DIAMETER OF 12 INCHES MEASURED 3' FR. BUTT.
- 6.3. PILES DRIVING LOGS SHALL BE RECORDED FOR ALL DRIVEN PILES.
- 6.4. PILE WRAP SHALL BE DENSO SEA SHIELD SERIES 90 OR APPROVED EQUAL.
- 6.5. PILES MAY BE PRE-PUNCHED OR PRE-DRILLED THRU LIMESTONE, BUT SHALL BE DRIVEN TO DESIGN TIP ELEVATION AS SPECIFIED IN THESE PLANS UNLESS OTHERWISE APPROVED BY ENGINEER OF RECORD.
- 6.6. PILES SHALL BE DRIVEN TO PROVIDE MINIMUM BEARING CAPACITY OF 10 TONS/PILE.
- 6.9. PILE DRIVING EQUIPMENT SHALL BE ADEQUATELY SIZED TO OBTAIN MINIMUM 10 TONS BEARING CAPACITY PER PILE PRIOR TO PRACTICAL REFUSAL.
- 6.10. PILE JETTING SHALL NOT BE PERFORMED FOR ANY PILE.

## 7. HARDWARE

- 7.1. ALL HARDWARE, BOLTS, AND OTHER MISC. STEEL COMPONENTS SHALL BE ASTM A316 STAINLESS STEEL UNLESS OTHERWISE NOTED.
- 7.2. DOWELS OR ANCHORS EMBEDDED INTO CONCRETE SHALL BE ANCHORED WITH SIMPSON SET TWO-PART EPOXY OR APPROVED EQUIVALENT. ANCHOR HOLES SHALL BE DRIVEN TO MINIMUM DEPTH SHOWN ON THE PLANS, AND SHALL BE THOROUGHLY CLEANED OUT AND DRY PRIOR TO INJECTION OF EPOXY.

## 8. TIDAL DATA

- 8.1. CONTRACTOR MAY NEED TO ADJUST HIS WORK PLAN TO ACCOUNT FOR ACTUAL WATER LEVELS AND CHANGING WATER LEVELS. THE SITE MAY BE SUBJECT TO VARIABLE WAVE AND SURGE CONDITIONS AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TEMPORARY SUPPORT FOR MARINE STRUCTURES AND SHORELINE DURING CONSTRUCTION.
- 8.2. TIDAL DATA OBTAINED FROM SOUTH DELRAY BEACH, FLORIDA STATION ID 8722761.

9. SUBMITTALS

- 9.1. REVIEW OF SUBMITTALS BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AS PRESENTED BY THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF QUANTITIES OR DIMENSIONS WILL BE MADE.
- 9.2. ALL SHOP DRAWINGS MUST BEAR EVIDENCE OF THE CONTRACTOR'S APPROVAL PRIOR TO SUBMITTING TO EOR.

- 9.3. THE FOLLOWING MINIMUM SUBMITTALS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO RELATED CONSTRUCTION ACTIVITY:

- |        |  |
|--------|--|
| 9.3.1. | SCHEDULE FOR COMPLETION OF WORK WITH TASKS AND DURATIONS DEFINED |
| 9.3.2. | DEMOLITION METHOD AND DISPOSAL PLAN                              |
| 9.3.3. | TIMBER PILES AND ACCESSORIES                                     |
| 9.3.4. | WOOD FRAMING AND DECKING   |
| 9.3.5. | DOCK ACCESSORIES (FENDERS, CLEATS, PILE CAPS, ETC.)              |
| 9.3.6. | HARDWARE   |
| 9.3.7. | PILE DRIVING EQUIPMENT   |
| 9.3.8. | EPOXY  |

## 10. CONSTRUCTION METHODOLOGY

- 10.1. EXISTING DOCK STRUCTURES SHALL BE DEMOLISHED AND REPLACED WITH MATERIALS IN THIS SET OF CONSTRUCTION DRAWINGS IN THE EXACT SAME FOOTPRINT AS EXISTING.

## 11.DESIGN CRITERIA

- 11.1. DESIGN VESSEL LOA = 40 FEET
- 11.2. OCCUPIED WIND SPEED VASD = 40MPH  
UNOCCUPIED WIND SPEED VULT = 165 MPH  
EXP D  
RISK CAT. I
- 11.3. DOCK LL = 50 PSF
- 11.4. DOCK SDL = 20 PSF
- 11.5. UTILITY SDL = 5PSF
- 11.6. CODES:  
FBC 2020  
ACI 318-14  
ASCE 7-16  
AWC NDS 2018
- 11.7. DESIGN REFERENCES  
ASCE COPRI PLANNING AND DESIGN GUIDELINES FOR SMALL CRAFT HARBORS

## 12. TURBIDITY CONTAINMENT

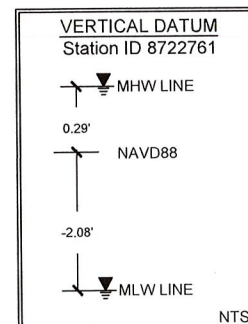
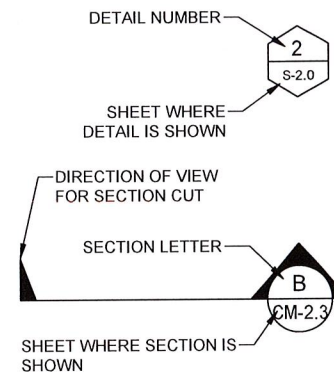
- 12.1. CONTRACTOR SHALL MAINTAIN ADEQUATE TURBIDITY CONTAINMENT SURROUNDING THE ENTIRE WORK AREA AT ALL TIMES DURING CONSTRUCTION.

### 13. SLIP MAINTENANCE

- 13.1. CONTRACTOR SHALL RELOCATE BOULDER RIPRAP LARGER THAN 1'-0" DIA. TO SEAWALL TOE.
- 13.2. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONSTRUCTION REMNANTS AND DEBRIS WITHIN BOAT SLIP FOOTPRINT.

ABBREVIATIONS	
ACI	AMERICAN CONCRETE INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
CONT	CONTINUOUS
CONT'D	CONTINUED
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
KSI	KIPS PER SQUARE INCH
MHW	MEAN HIGH WATER
MIN	MINIMUM
MLW	MEAN LOW WATER
NAVD	NORTH AMERICAN VERTICAL DATUM
NGVD	NATIONAL GEODETIC VERTICAL DATUM
PERA	PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS
PSI	POUNDS PER SQUARE INCH
TYP	TYPICAL
USACE	UNITED STATES ARMY CORPS OF ENGINEERS
W/C	WATER/CEMENT RATIO

## SYMBOLS LEGEND



PROJECT  
CORONADO  
CONDOMINIUM  
DOCK REPLACEMENT

**CLIENT**  
**CORONADO AT  
HIGHLAND BEACH  
CONDOMINIUM  
ASSOCIATION**

**3400 South Ocean Boulevard  
Highland Beach, FL 33487**

**ENGINEER**  
**CUMMINS CEDERBERG**  
**COASTAL & MARINE ENGINEERING**

**7550 RED ROAD, SUITE 217  
SOUTH MIAMI, FLORIDA 33143  
TEL: +1 305 741-6155 FAX: +1 305-974-1969  
WWW.CUMMINSCEDERBERG.COM  
COA # 29062**

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BUILDING DEPARTMENT

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No. 60277  
FLORIDA  
PROFESSIONAL ENGINEER

JASON S. TAYLOR, P.E. #60277

[illegible]

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CHECKED	JT
SCALE	AS SHOWN

## GENERAL NOTES

SHEET 2 OF 9

## CM-1.1







\\Projects\46300 Coronado\Drawings\Working\Dock replacement\2021-12-21 46300 Coronado Dock Replacement.dwg



PROJECT  
CORONADO  
CONDOMINIUM  
DOCK REPLACEMENT

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2	12/21/2021	
1	10/20/2020	
	ISSUE	DATE

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SCALE	AS SHOWN

SHEET TITLE

DEMOLITION  
PLAN

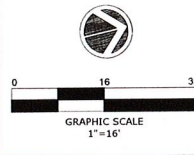
SHEET 4 OF 9

S-1.3



\\Projects\46300 Coronado\Drawings\Working\Dock replacement\2021-12-21\46300 Coronado Dock Replacement.dwg

INTRACOASTAL WATERWAY



PROJECT  
CORONADO  
CONDOMINIUM  
DOCK REPLACEMENT

CLIENT  
CORONADO AT  
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CONDOMINIUM  
ASSOCIATION

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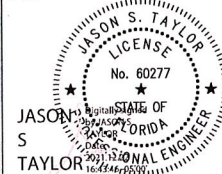
ENGINEER  
CUMMINS CEDERBERG  
COASTAL & MARINE ENGINEERING  
7550 RED ROAD, SUITE 217  
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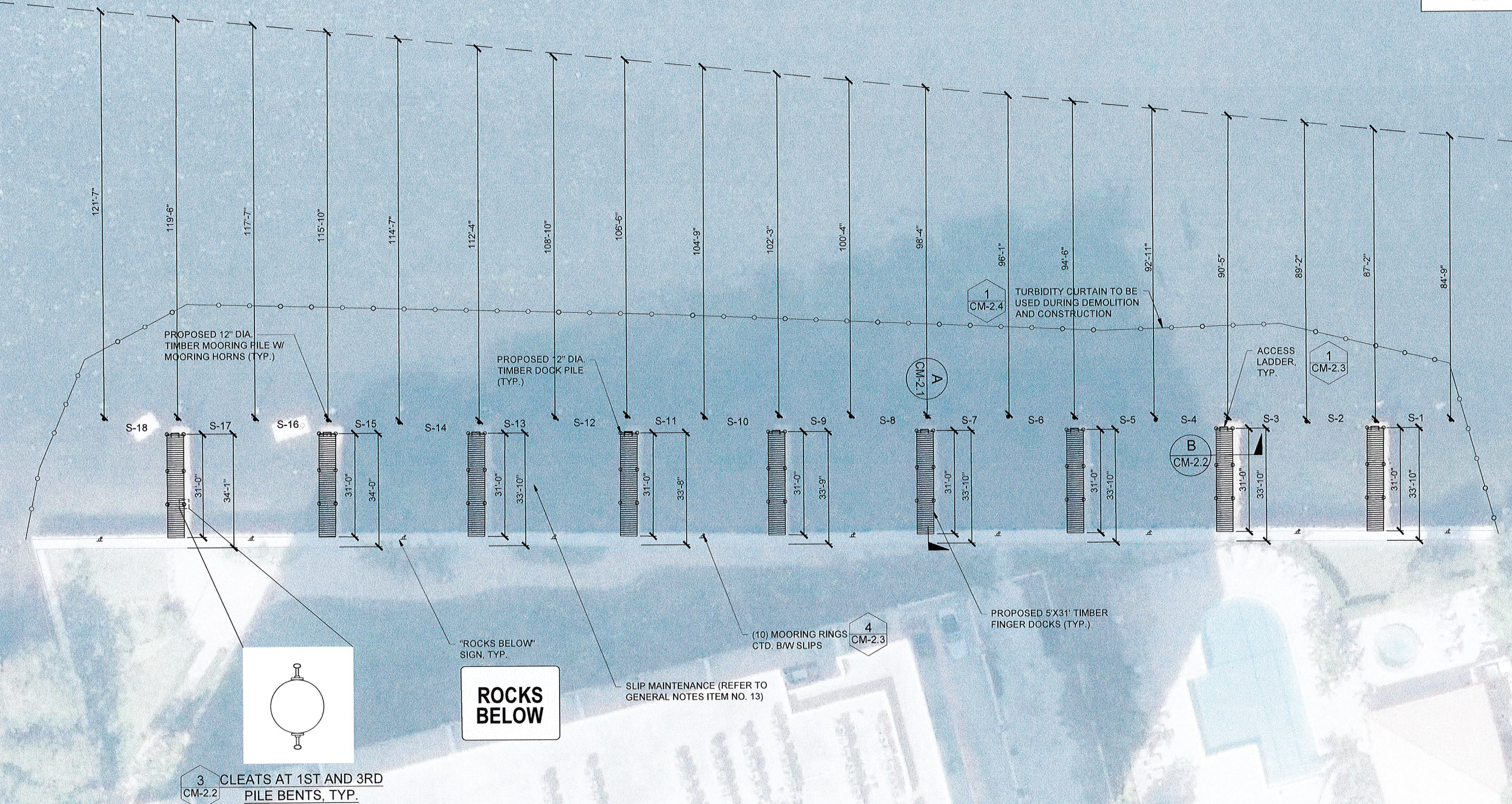
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1	10/20/2020	ISSUE

CC PROJECT NO.	46300
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SHEET TITLE  
**PROPOSED DOCK  
AND PILE LAYOUT  
PLAN**

SHEET 5 OF 9

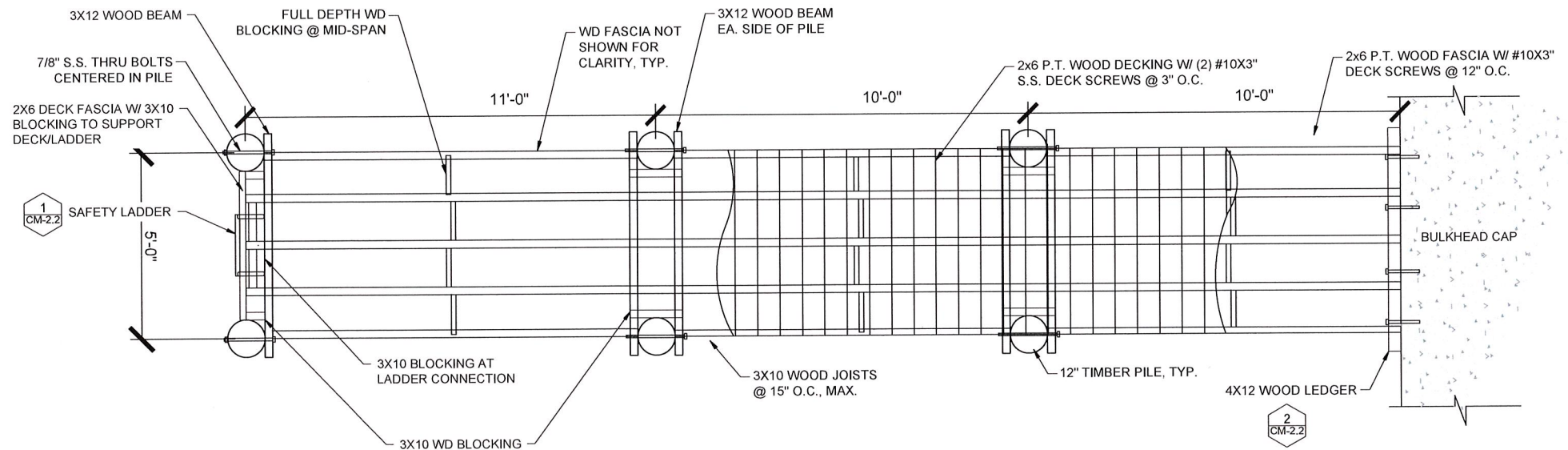
**CM-2.0**



- NOTES:
- BOUNDARY SURVEY CONDUCTED BY EXACTA COMMERCIAL SURVEYORS, INC. DATED 01/03/2020.
  - AERIAL IMAGE: ESRI JANUARY 14, 2019

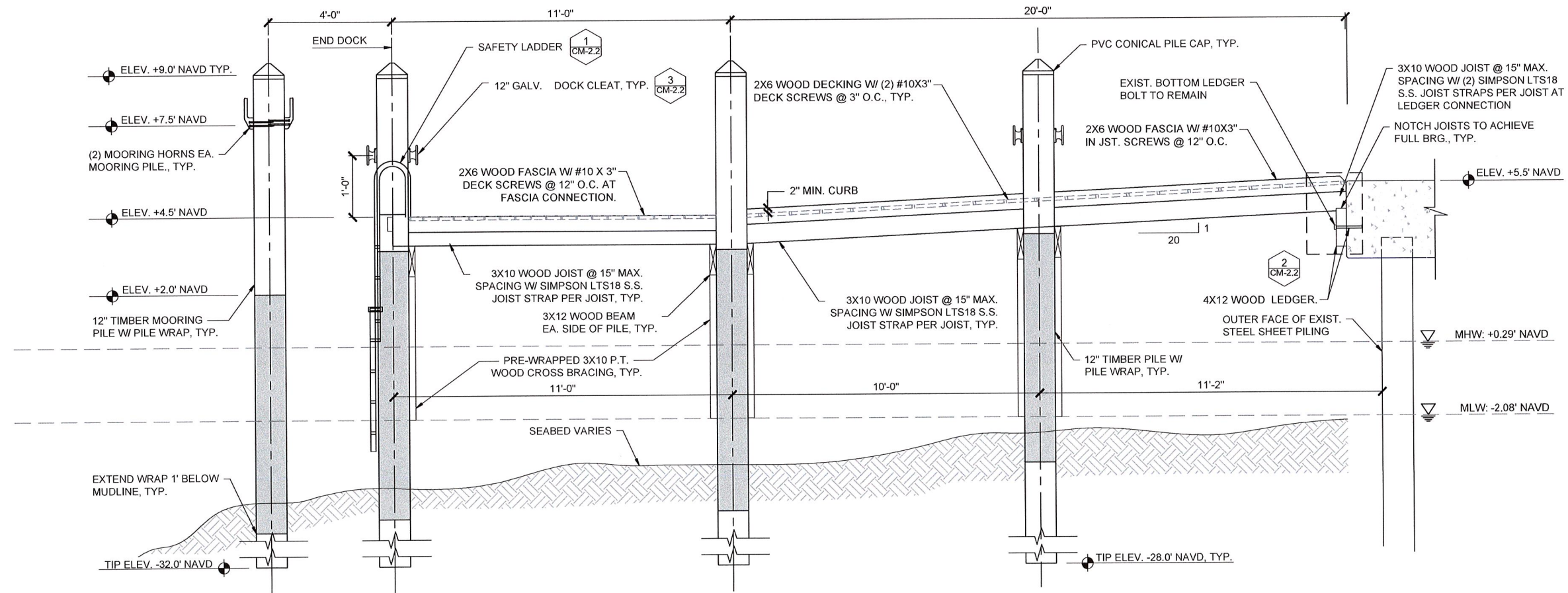
TABLE OF QUANTITIES		
ITEM	UNIT	QUANTITY
PROPOSED WET SLIPS	EA	18
PROPOSED OVER WATER STRUCTURES	SF	1,395
PROPOSED 12" FIXED TIMBER DOCK PILES	EA	54
MOORING RINGS	EA	10





**TYPICAL DOCK FRAMING PLAN**

SCALE: 22x34 - 1"=2'  
11x17 - 1"=4'



**TYPICAL DOCK PROFILE A**

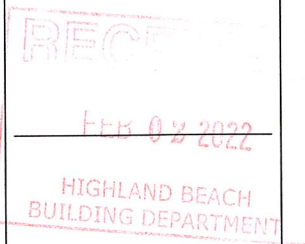
SCALE: 22x34 - 1"=2'  
11x17 - 1"=4'

PROJECT  
**CORONADO  
CONDOMINIUM  
DOCK REPLACEMENT**

CLIENT  
**CORONADO AT  
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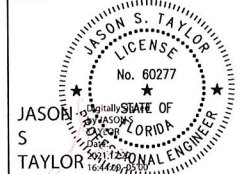
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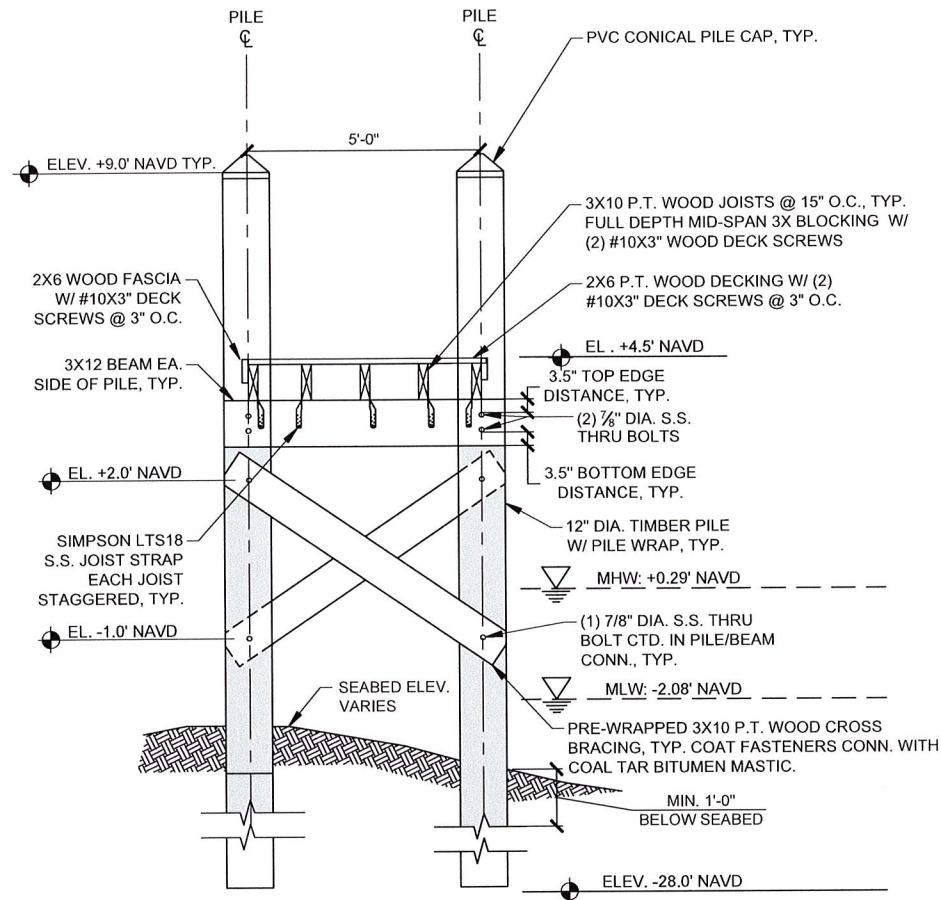
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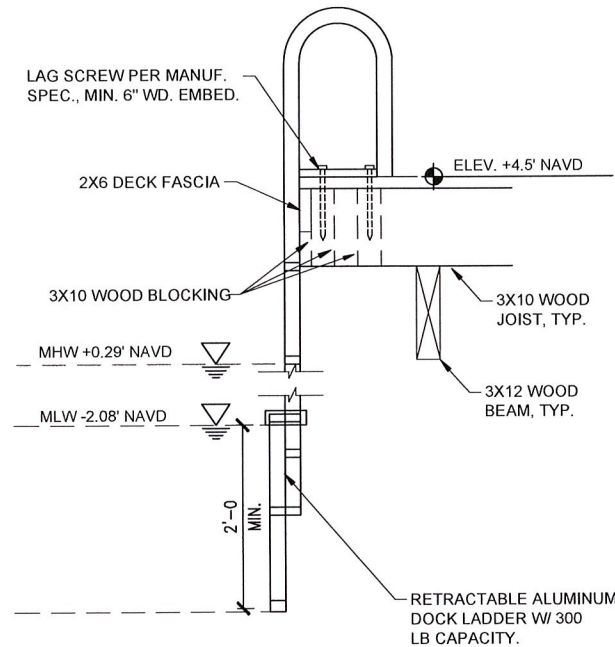
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SCALE	AS SHOWN
SHEET TITLE	TYPICAL DOCK PLAN AND SECTION
SHEET 7 OF 9	
CM-2.1	

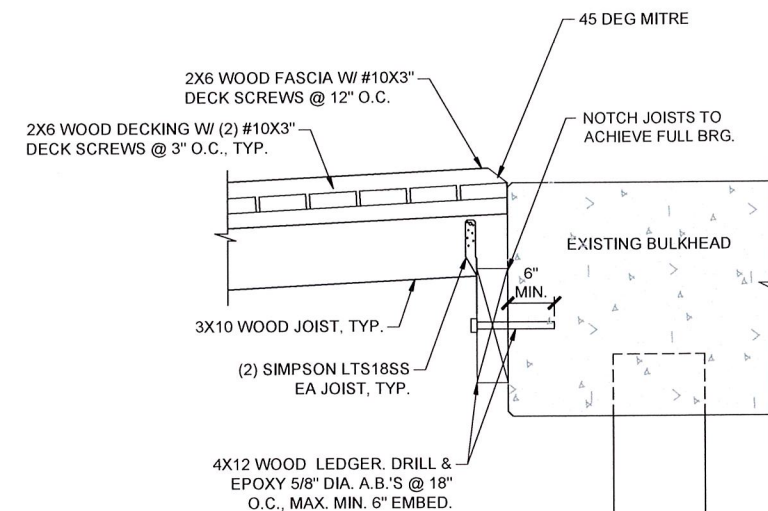




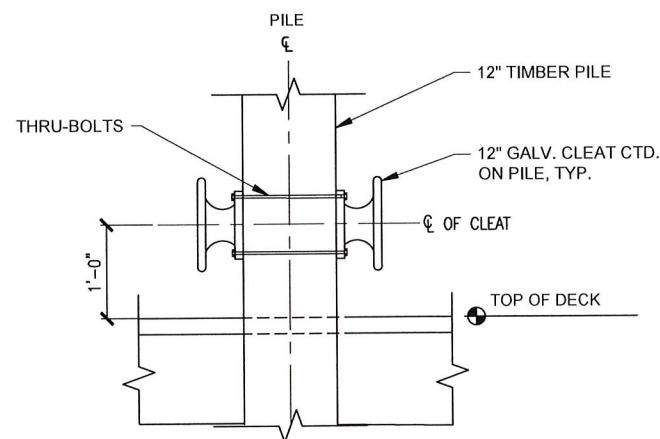
**TYPICAL DOCK SECTION B**  
SCALE: 22x34 - 1"=2'  
11x17 - 1"=4'



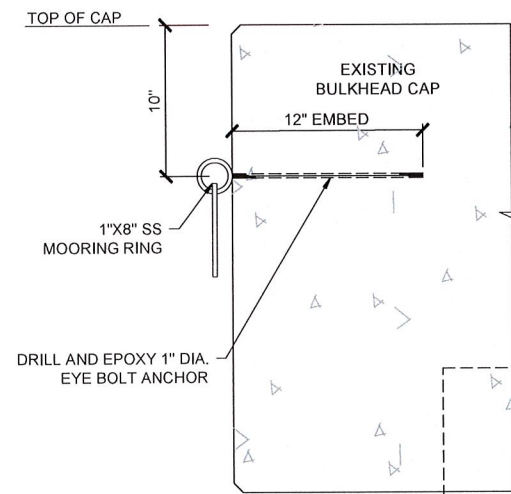
**TYPICAL LADDER DETAIL - MARGINAL DOCK 1**  
SCALE: 1" = 1'



**DECK LEDGER DETAIL 2**  
SCALE: 22x34 - 1"=1'  
11x17 - 1"=2'



**TYPICAL PILE MOUNTED CLEAT DETAIL 3**  
SCALE: 22x34 - 1"=1'  
11x17 - 1"=2'



**MOORING RING DETAIL 4**  
SCALE: 22x34 - 1"=1/2'  
11x17 - 1"=1'

PROJECT  
**CORONADO  
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10/20/2020

JASON S. TAYLOR, P.E. #60277

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1	10/20/2020	1
ISSUE	DATE	

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SCALE	AS SHOWN

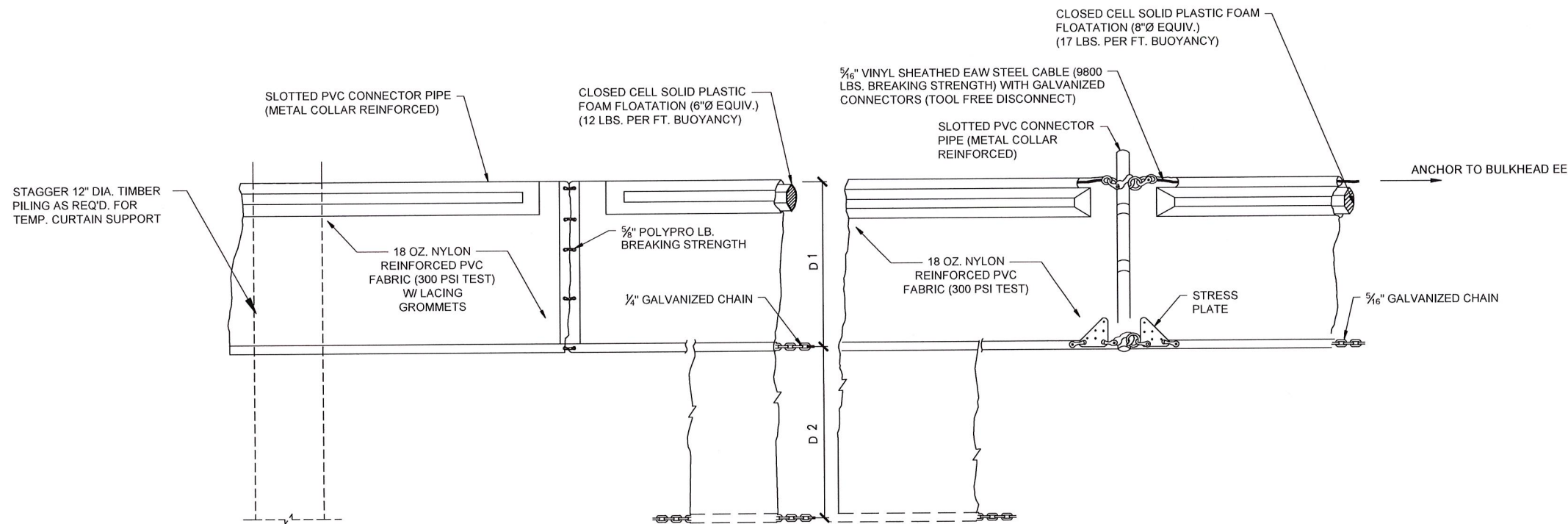
SHEET TITLE  
**PROPOSED DOCK  
SECTIONS AND  
DETAILS**

SHEET 8 OF 9

**CM-2.2**



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FLOATING TURBIDITY CURTAIN

SCALE: 22x34 - 1"=2'  
11x17 - 1"=4'

1  
CM-1.3

PROJECT  
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CONDOMINIUM  
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SHEET TITLE	TURBIDITY CURTAIN DETAIL
SHEET 9 OF 9	CM-2.3

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