

PERICO AND ROBINSON PRESERVE CONNECTOR TRAIL BRIDGES CONSTRUCTION PLAN SET

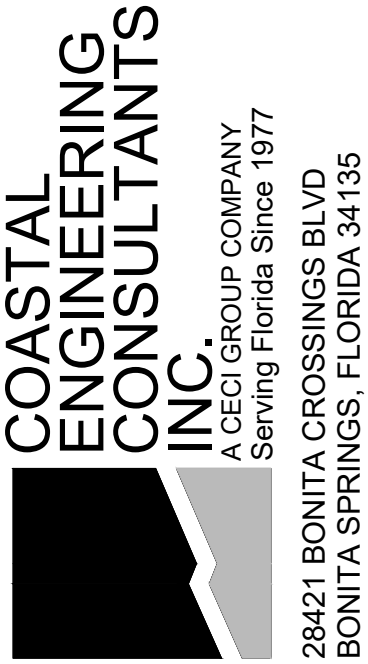
PREPARED FOR:
MANATEE COUNTY

SHEET INDEX

- 1. COVER SHEET
- 2. PLAN VIEW
- 3. TYPICAL SECTIONS



- GENERAL NOTES**
1. SURVEY COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC. 12/8/2020.
 2. AERIAL PHOTOGRAPHY OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION, DATED 2017.
 3. ELEVATIONS SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) 1988, BENCHMARK USED = R689, ELEVATION = 18.58 FT NAVD 88.
 4. GRID BEARINGS AND COORDINATES SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN DATUM OF 1983, 2007 ADJUSTMENT, OF FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA WEST ZONE.
 5. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON SURVEY DATES SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.



COASTAL ENGINEERING CONSULTANTS, INC.
A CECI GROUP COMPANY
Serving Florida Since 1977
28421 BONITA CROSSINGS BLVD.
BONITA SPRINGS, FLORIDA 34135

PHONE: (239)643-2324
FAX: (239)643-1143
www.coastalengr.com
E-Mail: info@cecil.com

CLIENT: MANATEE COUNTY BCC
TITLE: CONNECTOR TRAIL BRIDGES COVER SHEET

DATE: 01/27/2021
SCALE: AS NOTED
DRAWN: KAK/SDB
CHECKED: MAK
SEC. TWP. RING.
ACAD NO. 20353-C
REF. NO. 20,353

REVISION DESCRIPTION
BY
DATE
NO.

THIS DOCUMENT AND THE CONCEPTS AND DESIGN PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS THE PROPERTY OF COASTAL ENGINEERING CONSULTANTS, INC. (CECI) AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF CECI. CECI ACCEPTS NO LIABILITY TO CECI PARTS OR SUBSIDIARIES.

COASTAL ENGINEERING CONSULTANTS, INC.
A CECI GROUP COMPANY
Serving Florida Since 1977
28421 BONITA CROSSINGS BLVD.
BONITA SPRINGS, FLORIDA 34135

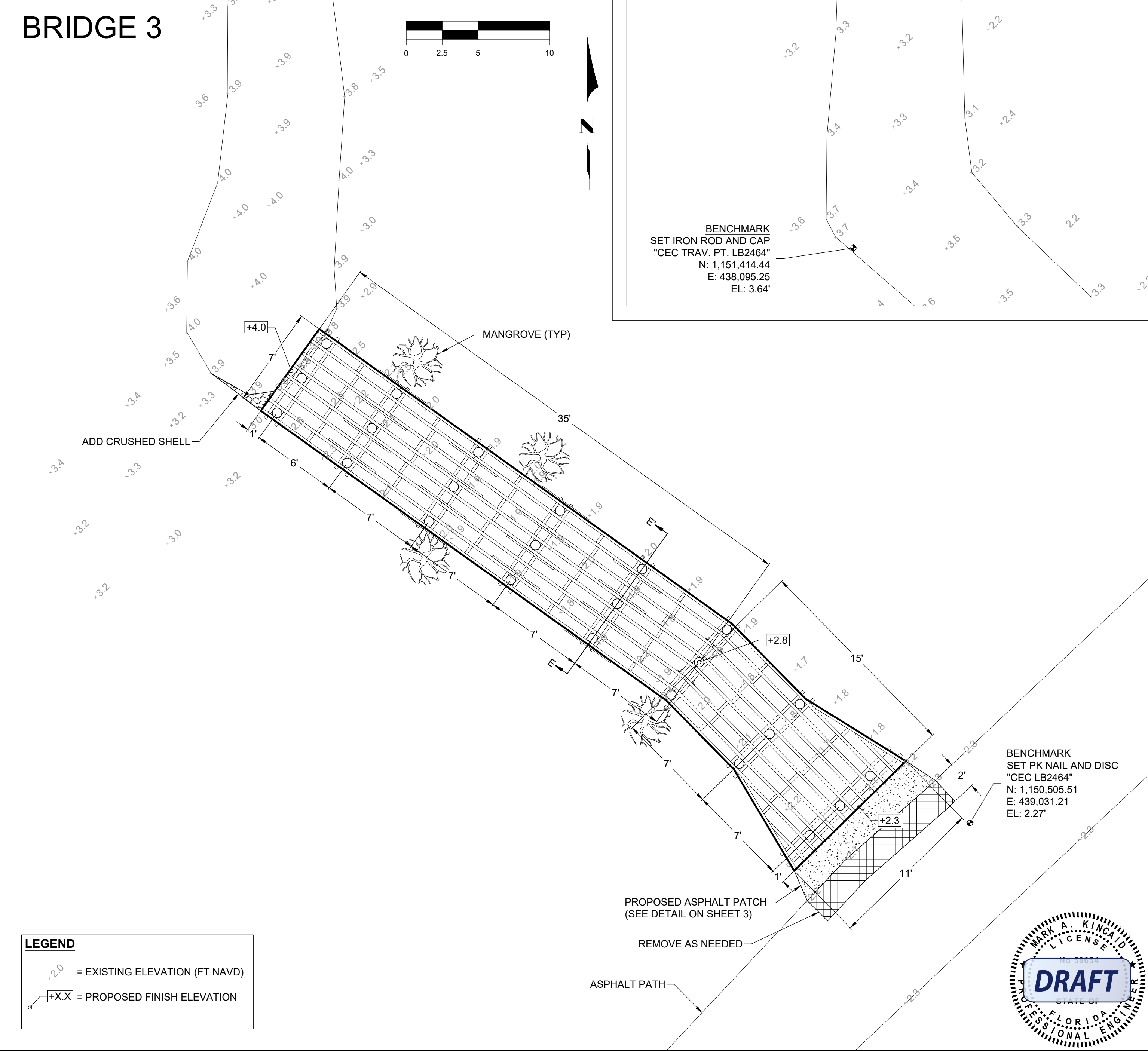
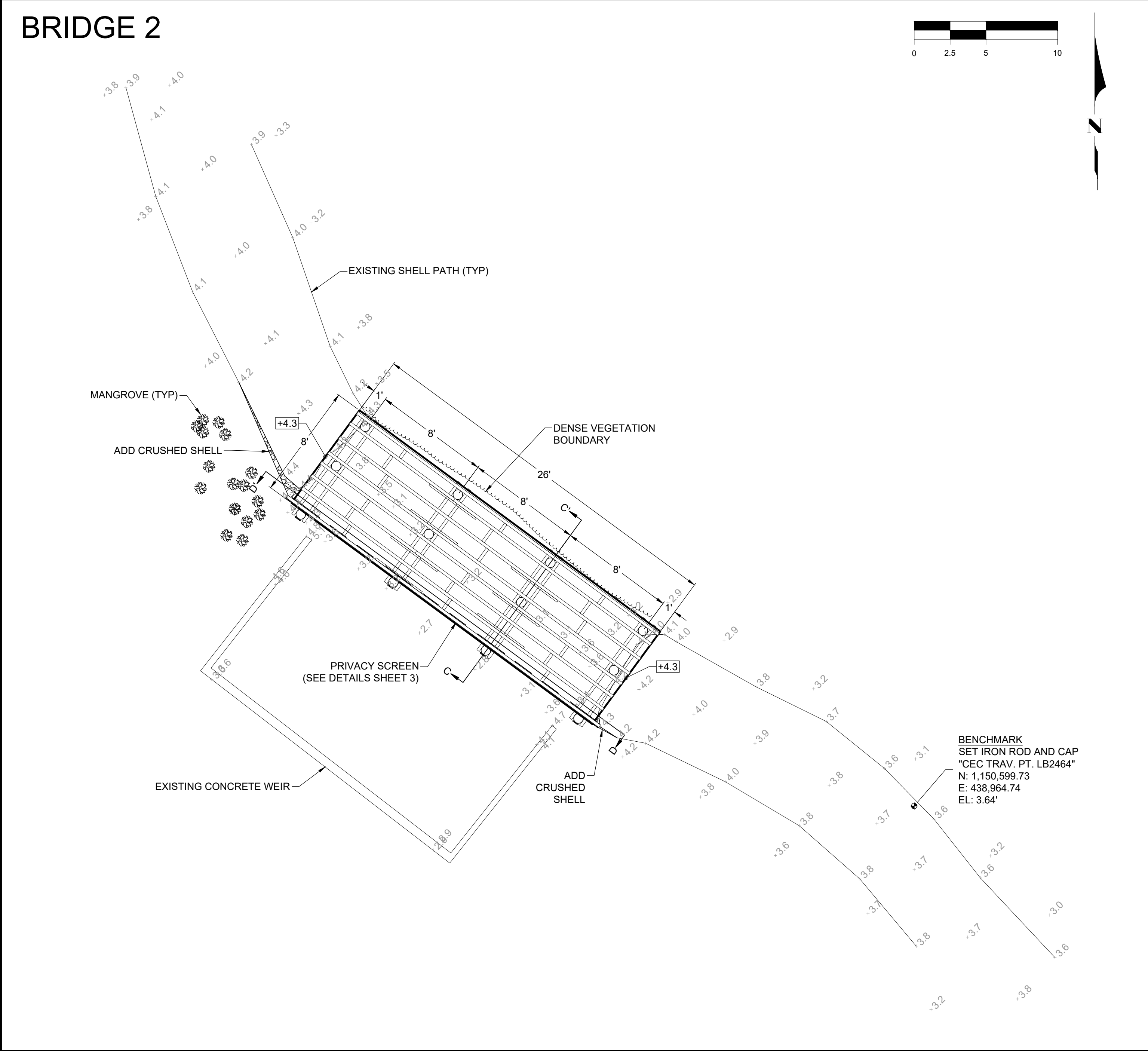
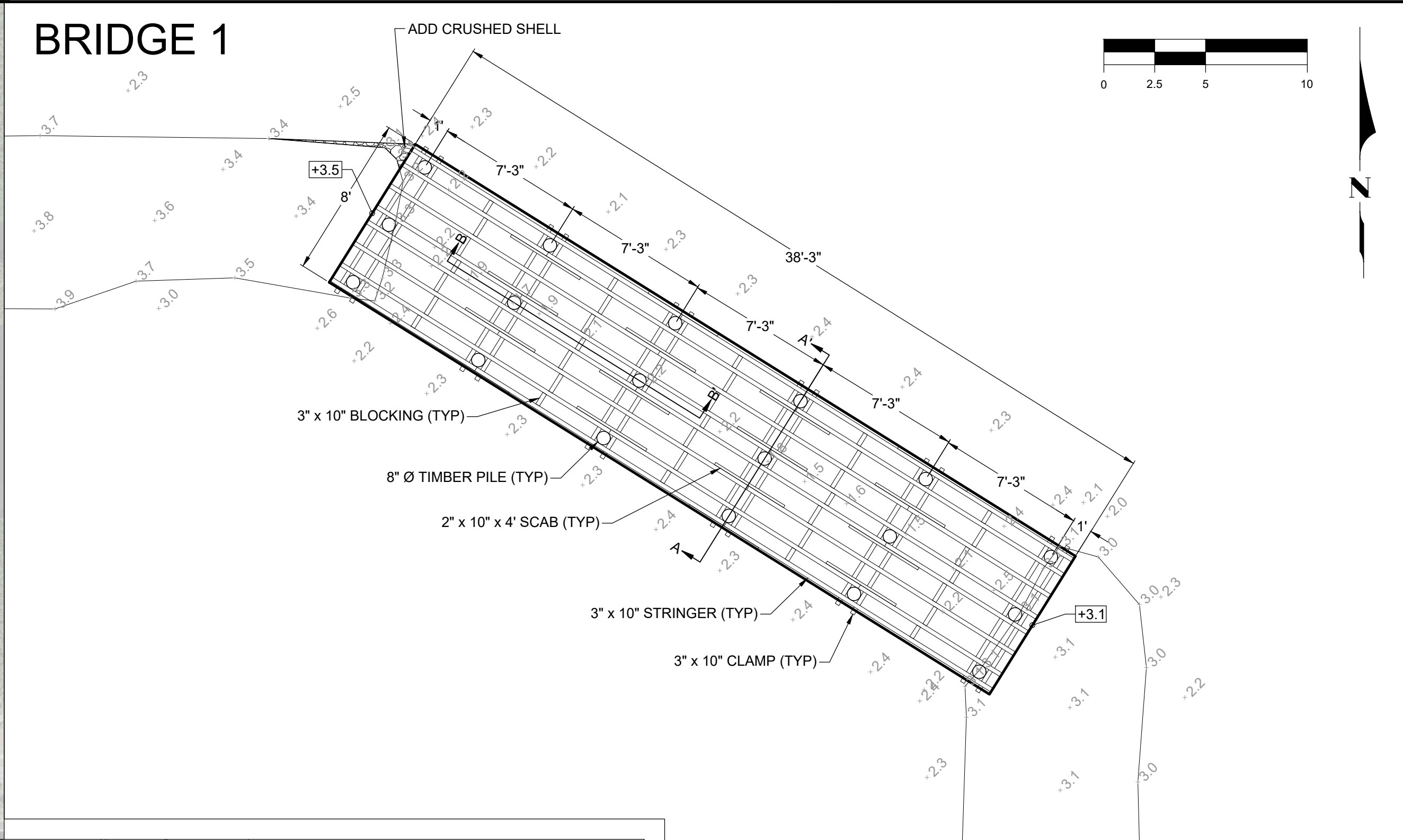
PHONE: (239)643-2324
FAX: (239)643-1143
www.coastalengr.com
E-Mail: info@cecil.com

CLIENT: MANATEE COUNTY BCC
TITLE: CONNECTOR TRAIL BRIDGES COVER SHEET

DATE: 01/27/2021
SCALE: AS NOTED
DRAWN: KAK/SDB
CHECKED: MAK
SEC. TWP. RING.
ACAD NO. 20353-C
REF. NO. 20,353

REVISION DESCRIPTION
BY
DATE
NO.

THIS DOCUMENT AND THE CONCEPTS AND DESIGN PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS THE PROPERTY OF COASTAL ENGINEERING CONSULTANTS, INC. (CECI) AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF CECI. CECI ACCEPTS NO LIABILITY TO CECI PARTS OR SUBSIDIARIES.



LEGEND	
	= EXISTING ELEVATION (FT NAVD)
	= PROPOSED FINISH ELEVATION

COASTAL & MARINE ENGINEERING
ENVIRONMENTAL & GEOLOGICAL SERVICES
SURVEY AND MAPPING
ENGINEERING: CA 2464
SURVEYING: LB 2464

COASTAL
ENGINEERING
CONSULTANTS
INC.

MANATEE COUNTY BCC

CONNECTOR TRAIL BRIDGES
PLAN VIEW

CLIENT:

TITLE:

DATE: 01/27/2021
DRAWN: KAK/SDB
CHECKED: MAK
SEC. TYP. RING.
ACAD NO. 20353-C
REF. NO. 20,353

AS NOTED
F.B.
PG.
TYP.
NO. 20353-C
20,353

DATE: 01/27/2021
BY: 20,353

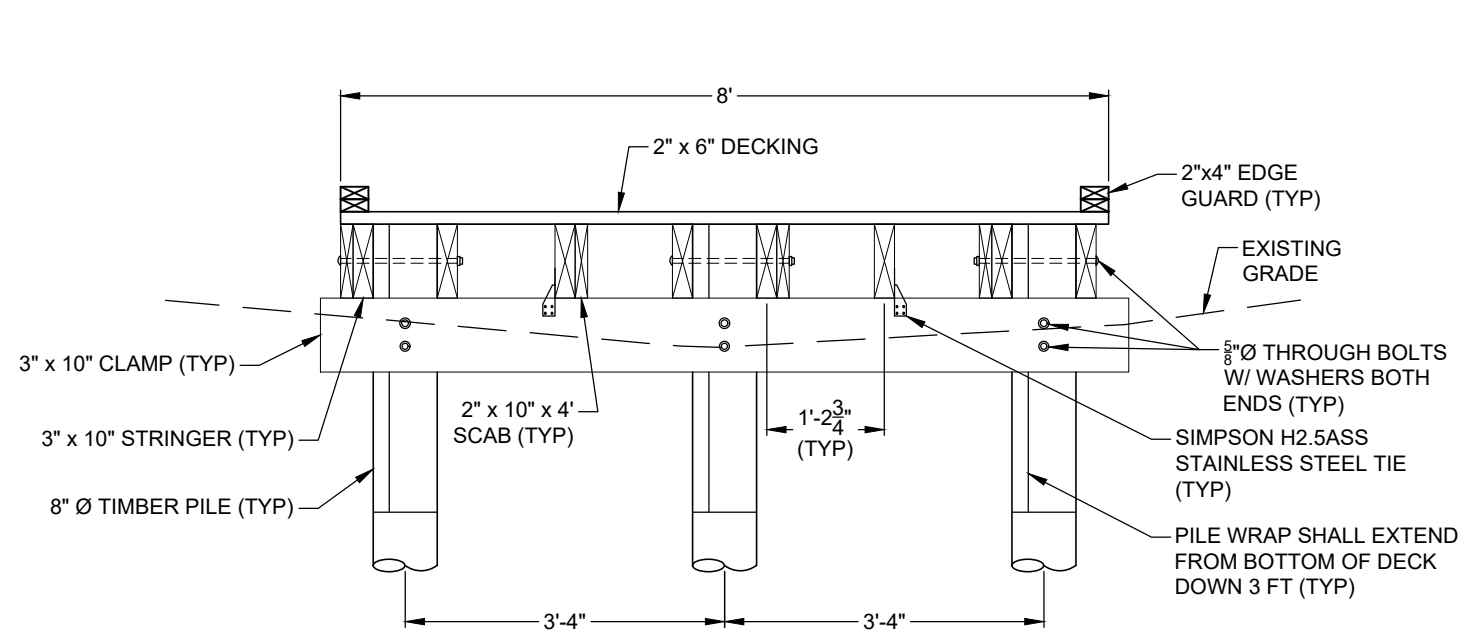
PHONE: (239) 643-2324
FAX: (239) 643-1143
www.coastal-engineering.com
E-Mail: info@cecil.com

28421 BONITA CROSSINGS BLVD.
BONITA SPRINGS, FLORIDA 34135

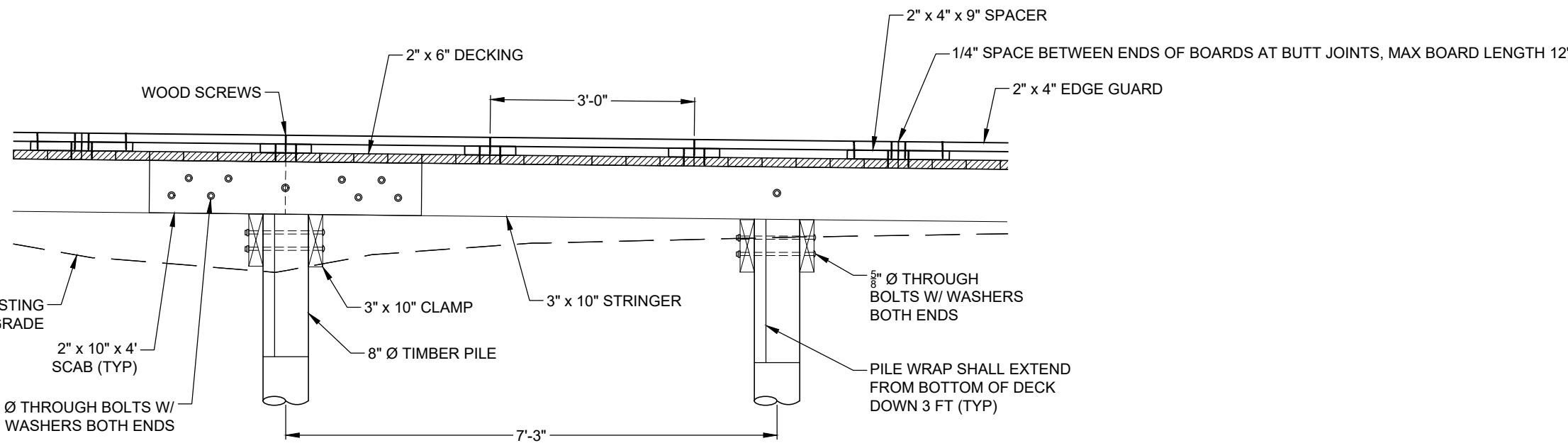
FILE NO.: 20353-C-2

SHEET 2

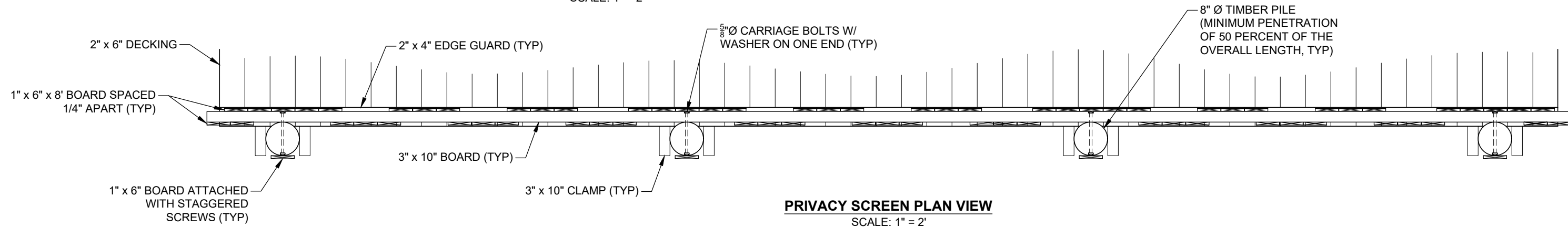
THIS DOCUMENT AND THE CONCEPTS AND DESIGN PRESENTED HEREIN ARE AN INSTRUMENT OF SERVICE. IF ANY DISCREPANCY OR INCONSISTENCY IS FOUND BETWEEN THIS DOCUMENT AND ANY OTHER DOCUMENT, THIS DOCUMENT SHALL CONTROL. THE USER OF THIS DOCUMENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



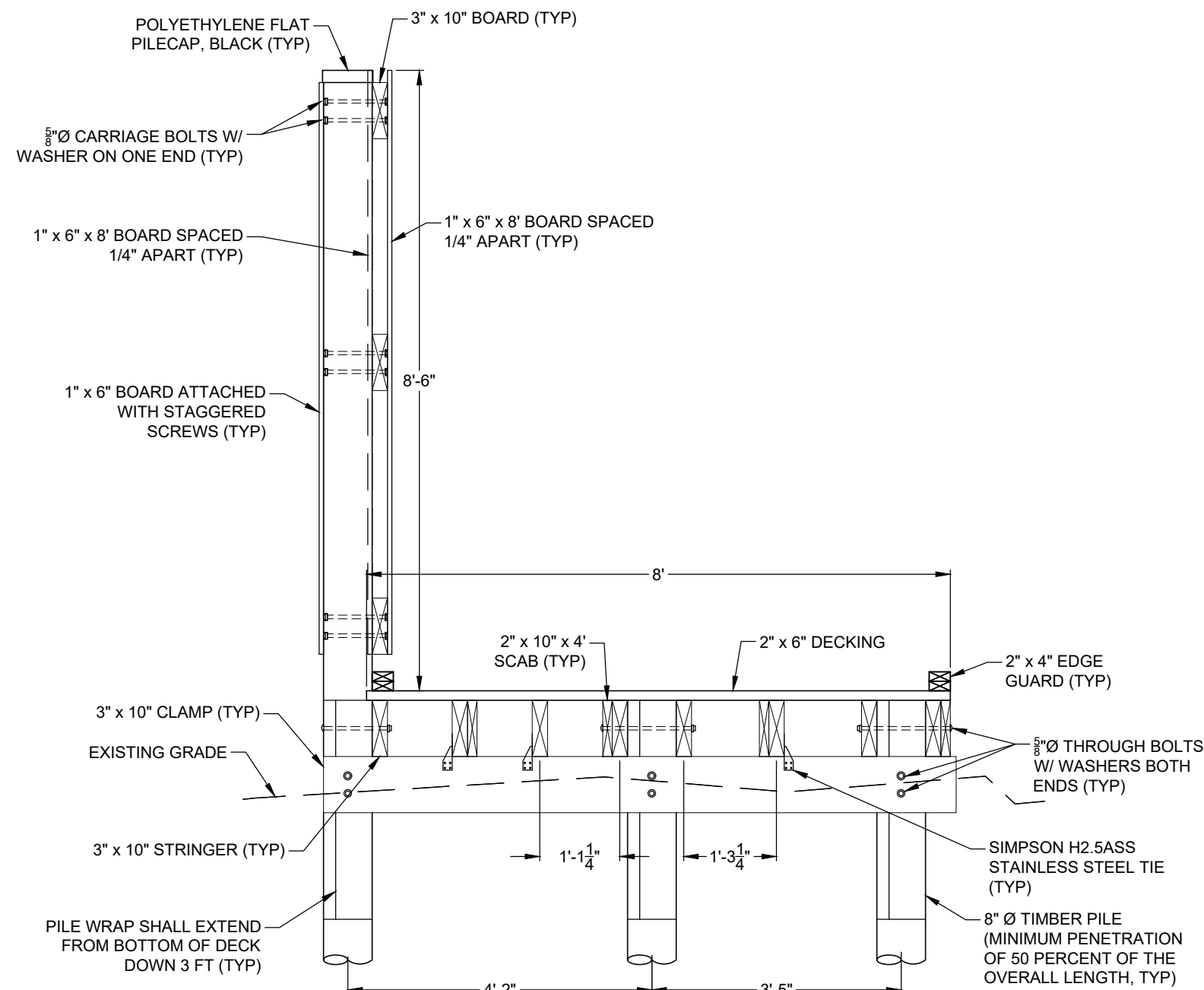
SECTION A-A'
SCALE: 1" = 2'



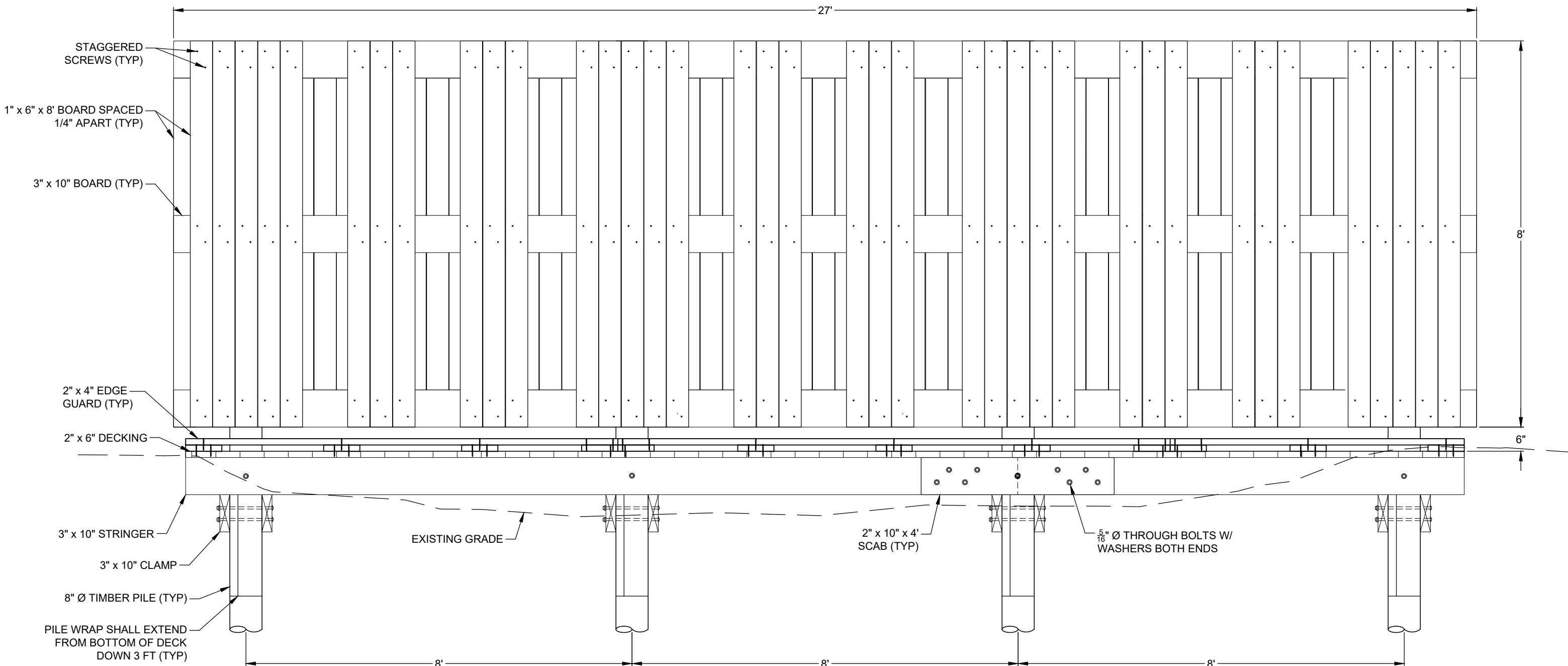
SECTION B-B'
SCALE: 1" = 2'



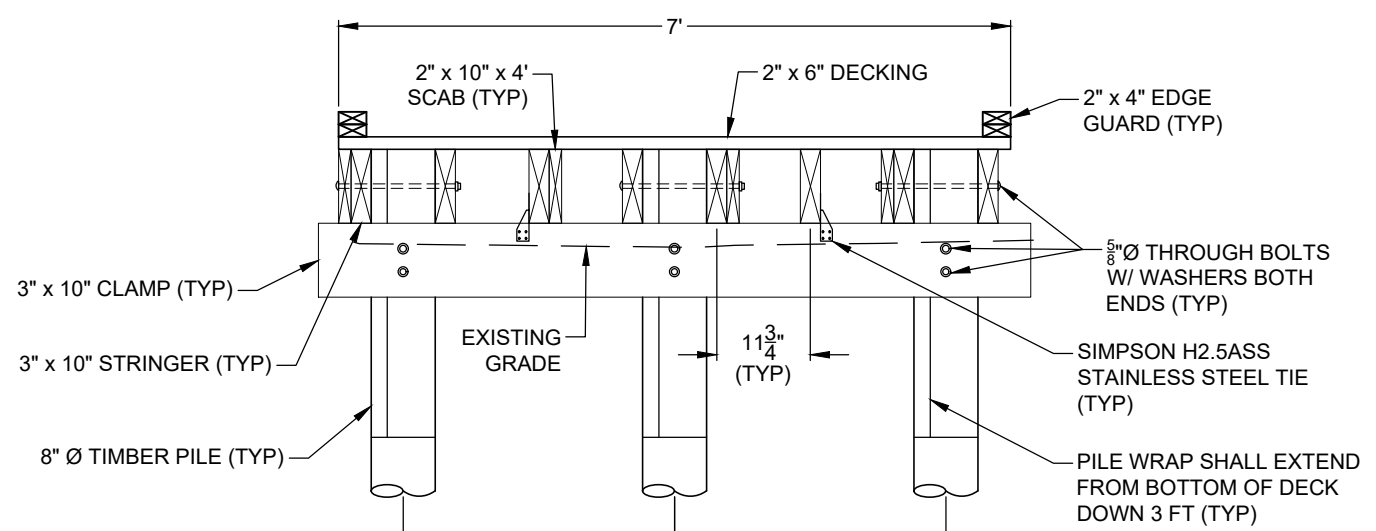
PRIVACY SCREEN PLAN VIEW
SCALE: 1" = 2'



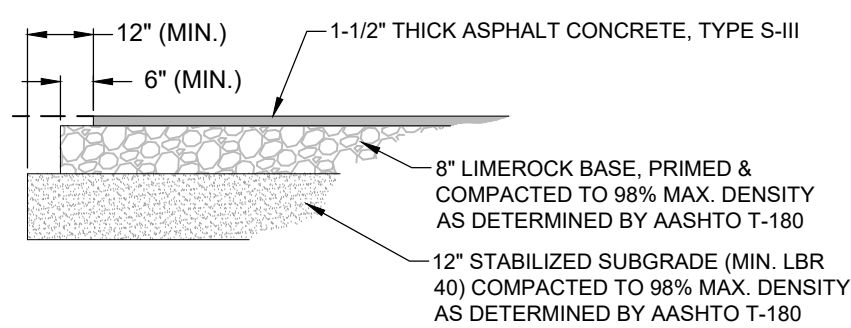
SECTION C-C'
SCALE: 1" = 2'



SECTION D-D'
SCALE: 1" = 2'



SECTION E-E'
SCALE: 1" = 2'



- NOTES**
1. NEW PAVEMENT SHALL TIE INTO THE EXISTING ASPHALT IN A CONTINUOUS AND LEVEL MANNER.
 2. AFTER COMPLETION OF BRIDGE CONTRACTOR SHALL PROVIDE SAFE, SMOOTH TRANSITION FROM EXISTING ASPHALT TO NEW DECK.

TYPICAL PAVEMENT SECTION
N.T.S.

CONSTRUCTION NOTES

1. REMOVAL OF VEGETATION SHALL ONLY BE ALLOWED WITHIN BRIDGE LIMITS, REMOVAL OF VEGETATION OUTSIDE BRIDGE LIMITS SHALL REQUIRE PRIOR APPROVAL FROM COUNTY OR ENGINEER.
2. CONTRACTOR SHALL DEMOLISH, REMOVE, AND DISPOSE OF IN AN APPROVED OFFSITE DISPOSAL AREA THE ASSOCIATED DEBRIS WITHIN THE PROJECT LIMITS.
3. BEVEL TOP EDGE OF BOARDS AND DECKING TO REMOVE SHARP EDGES AND SPLINTERS.
4. STRINGER SPLICES SHALL BE STAGGERED WHERE PRACTICAL. FOR INBOARD STRINGERS AT BENTS WITH INFLECTIONS, INSTALL ONE SIMPSON H2.5ASS TIE ON EACH STRINGER AT EVERY CLAMP.
5. ALL PILES SHALL ACHIEVE A MINIMUM PENETRATION OF 40 PERCENT OF THE OVERALL LENGTH, OR 6 FEET WHICHEVER IS GREATER, UNLESS NOTED OTHERWISE.
6. ALL PILES EXTENDING ABOVE THE DECK SHALL BE FITTED WITH A BLACK POLYETHYLENE FLAT PILE CAP MANUFACTURED BY INTERNATIONAL DOCK PRODUCTS, INC. OR APPROVED EQUIVALENT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. EACH PILE SHALL BE MEASURED AND FITTED WITH THE CORRECT SIZE CAP. CAPS SHOULD FIT SNUG, BUT NOT CAUSE DEFORMATION. GAPS BETWEEN THE PILE AND CAP SHALL NOT EXCEED 1/2".
7. WATERPROOF TOPS OF PILES CUT OFF BELOW DECK WITH COLD PATCH TAR AND SHEET OF 0.30 MIL PILE WRAP SHEETING SECURED TO PILE WITH STAINLESS STEEL NAIL.
8. ALL PILES SHALL BE WRAPPED WITH A 0.30 MIL SHEETING MANUFACTURED BY PERMA PILE OR APPROVED EQUAL. THE SHEETING IS TO PREVENT PRESERVATIVE TREATMENT FROM LEACHING INTO THE ENVIRONMENT AND TO PROHIBIT MARINE BORER ATTACK. THE SHEETING MUST OVERLAP A MINIMUM OF 6 INCHES AT SEAMS AND LAP JOINTS AND PROVIDE A COMPLETE BARRIER TO THE TIMBER. MINIMUM 1 1/4" LONG STAINLESS STEEL ROOFING NAILS, SPACED NO GREATER THAN 3 INCHES APART, SHALL BE USED FOR ATTACHING THE SHEETING. THE SHEETING SHALL EXTEND FROM BOTTOM OF DECK DOWN 3 FEET. VERTICAL SEAMS SHALL BE ORIENTATED TOWARD THE UNDERSIDE OF THE BRIDGE.
9. CONSTRUCTION OF BRIDGES MAY REQUIRE MINOR GRADING BY CONTRACTOR TO ACHIEVE DESIGN GRADES.
10. ALL INFORMATIONAL SIGNS AND TRAIL MARKERS TO BE REMOVED BY CONTRACTOR DURING CONSTRUCTION AND REINSTALLED IN SIMILAR OR NEW LOCATION APPROVED BY OWNER AT APPROPRIATE VIEWING HEIGHT FROM NEWLY CONSTRUCTED BRIDGE.

BID OPTIONS

BASE BID:

1. 2" X 6" DECKING SHALL BE TANDECK OR APPROVED EQUIVALENT.
2. 2" X 4" EDGE GUARD AND SPACERS SHALL BE TANDECK OR APPROVED EQUIVALENT.
3. 1" X 6" MEMBERS OF THE PRIVACY SCREEN SHALL BE TANDECK OR APPROVED EQUIVALENT.
4. COLOR OF TANDECK OR APPROVED EQUIVALENT TO BE SELECTED BY OWNER.
5. ALL FASTENERS AND HARDWARE SHALL BE 316 STAINLESS STEEL.

OPTIONAL BID:

1. 2" X 6" DECKING SHALL BE PRESSURE TREATED LUMBER.
2. 2" X 4" EDGE GUARD AND SPACERS SHALL BE PRESSURE TREATED LUMBER.
3. 1" X 6" MEMBERS OF THE PRIVACY SCREEN SHALL BE PRESSURE TREATED LUMBER.
4. ALL FASTENERS AND HARDWARE SHALL BE 304 STAINLESS STEEL.



<p>DATE: 01/27/2021 SCALE: AS NOTED</p>				<p>MANATEE COUNTY BCC</p>			
<p>DRAWN: KAK/SDB F.B.</p>				<p>CONNECTOR TRAIL BRIDGES</p>			
<p>CHECKED: MAK PG.</p>				<p>TYPICAL SECTIONS</p>			
<p>SEC. TYP. RING.</p>				<p>20353-C</p>			
<p>ACAD NO. 20353</p>				<p>NO. 20,353</p>			
<p>REF. NO.</p>				<p>BY DATE</p>			
<p>REVISION DESCRIPTION</p>				<p>NO. 20,353</p>			

COASTAL & MARINE ENGINEERING, INC. A CECI GROUP COMPANY
 ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING
 ENGINEERING: CA 2464 SURVEYING: LB 2464
 PHONE: (239) 643-2324 FAX: (239) 643-1143
 www.coastal-engineering.com E-Mail: info@cecil.com
 28421 BONITA CROSSINGS BLVD. BONITA SPRINGS, FLORIDA 34135