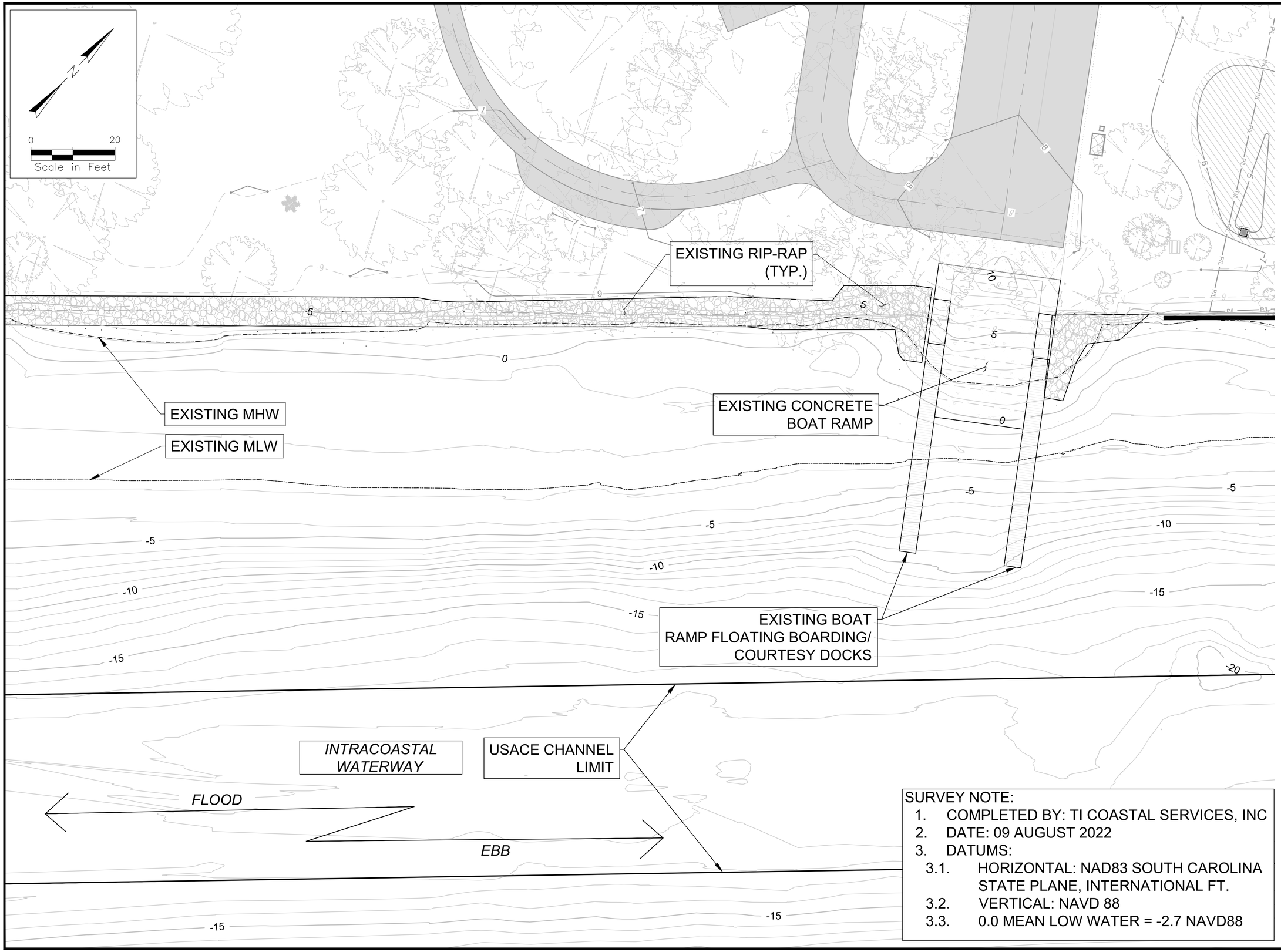


SURVEY NOTE:

1. COMPLETED BY: TI COASTAL SERVICES, INC
2. DATE: 09 AUGUST 2022
3. DATUMS:
   - 3.1. HORIZONTAL: NAD83 SOUTH CAROLINA STATE PLANE, INTERNATIONAL FT.
   - 3.2. VERTICAL: NAVD 88
   - 3.3. 0.0 MEAN LOW WATER = -2.7 NAVD88

USDA FOREST SERVICE
United States Department of Agriculture
Forest Service

R-08
Southern Region

KAYAK LAUNCH PLANS
PREPARED BY:

ATM
A Geosyntec Company
APPLIED TECHNOLOGY & MANAGEMENT
941 HOUSTON NORTHCUT BLVD.
MT PLEASANT SC, SC 29464
(843) 414-1040

NO.	REVISION/ISSUE	DATE
4		
3		
2		
1	FINAL CDS	01/30/25

PROJECT NAME
BUCK HALL RECREATION AREA RECONSTRUCTION

FRANCIS MARION NATIONAL FOREST

1099 BUCK HALL LANDING RD.,
MCCLELLANVILLE, SC, 29458
Project Issue Date: 01/30/2025
Project Status: Final Construction Documents
Task Order Number: 12445222F0051

PREPARED BY:

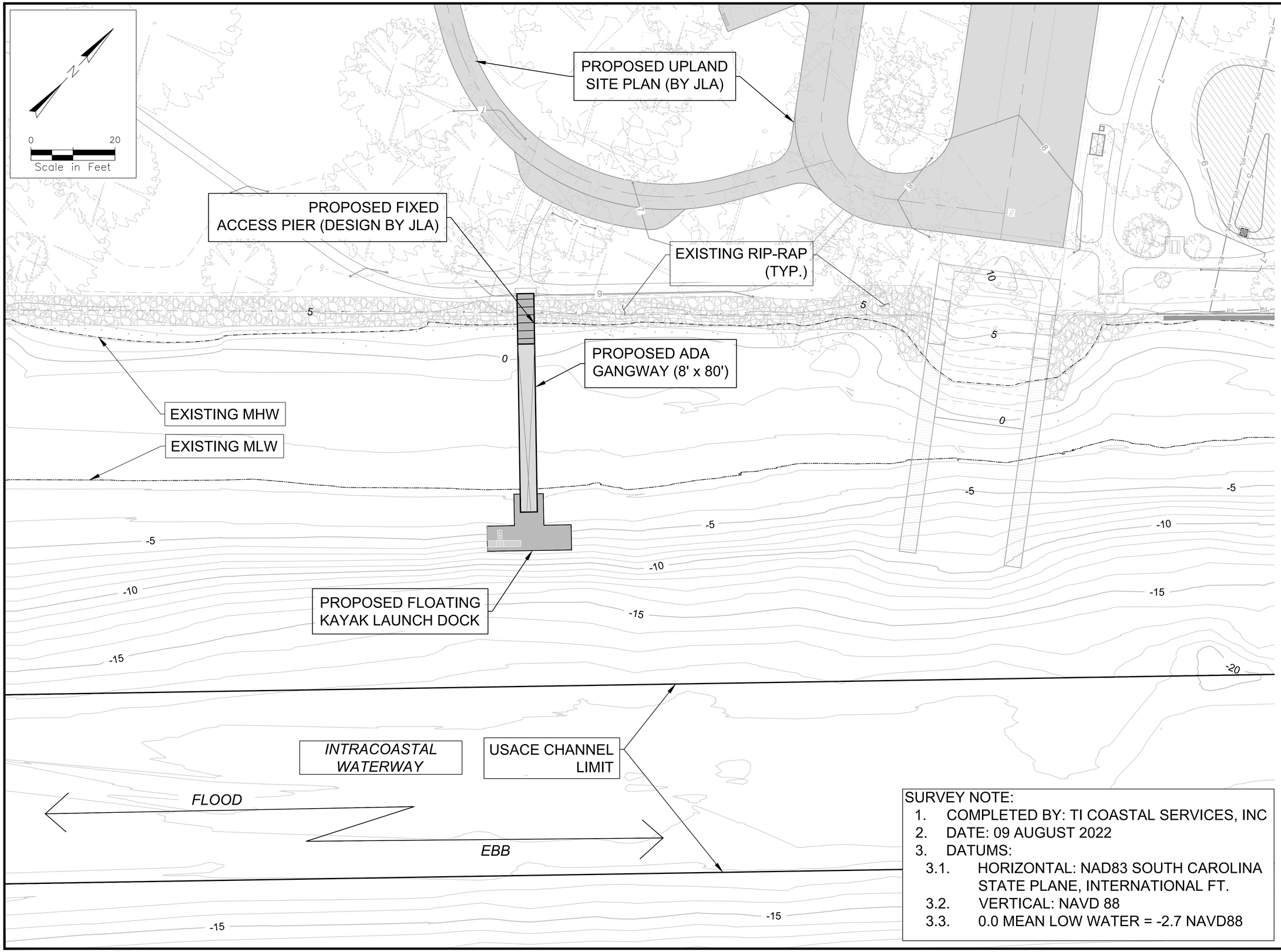
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
ARCHITECTS • ENGINEERS
LANDSCAPE ARCHITECTS
1296 BROAD ST., AUGUSTA, GEORGIA 30901
PHONE: (706) 724-5756 FAX: (706) 724-3955
WEBSITE: www.theJLAgroup.com

DRAWING TITLE

EXISTING CONDITIONS

DATE 01/30/25	ARCHIVE NUMBER
DESIGNER KGM	DRAWING SHEET NO. M-101
DRAWN RAM	
CHECKED KGM	
PROJECT NO. 3094.2201	SHEET 133 OF 138

2/7/2025 9:38 AM CHASE.RIVERA O:\PROJECTS\22-3843 BUCK HALL RECREATION AREA RENOVATION\DRAWINGS\CAD\CONSTRUCTION SHEETS\BUCK HALL-KAYAK-ISSUED-FOR-BID.DWG;



SURVEY NOTE:

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2. DATE: 09 AUGUST 2022
3. DATUMS:
   - 3.1. HORIZONTAL: NAD83 SOUTH CAROLINA STATE PLANE, INTERNATIONAL FT.
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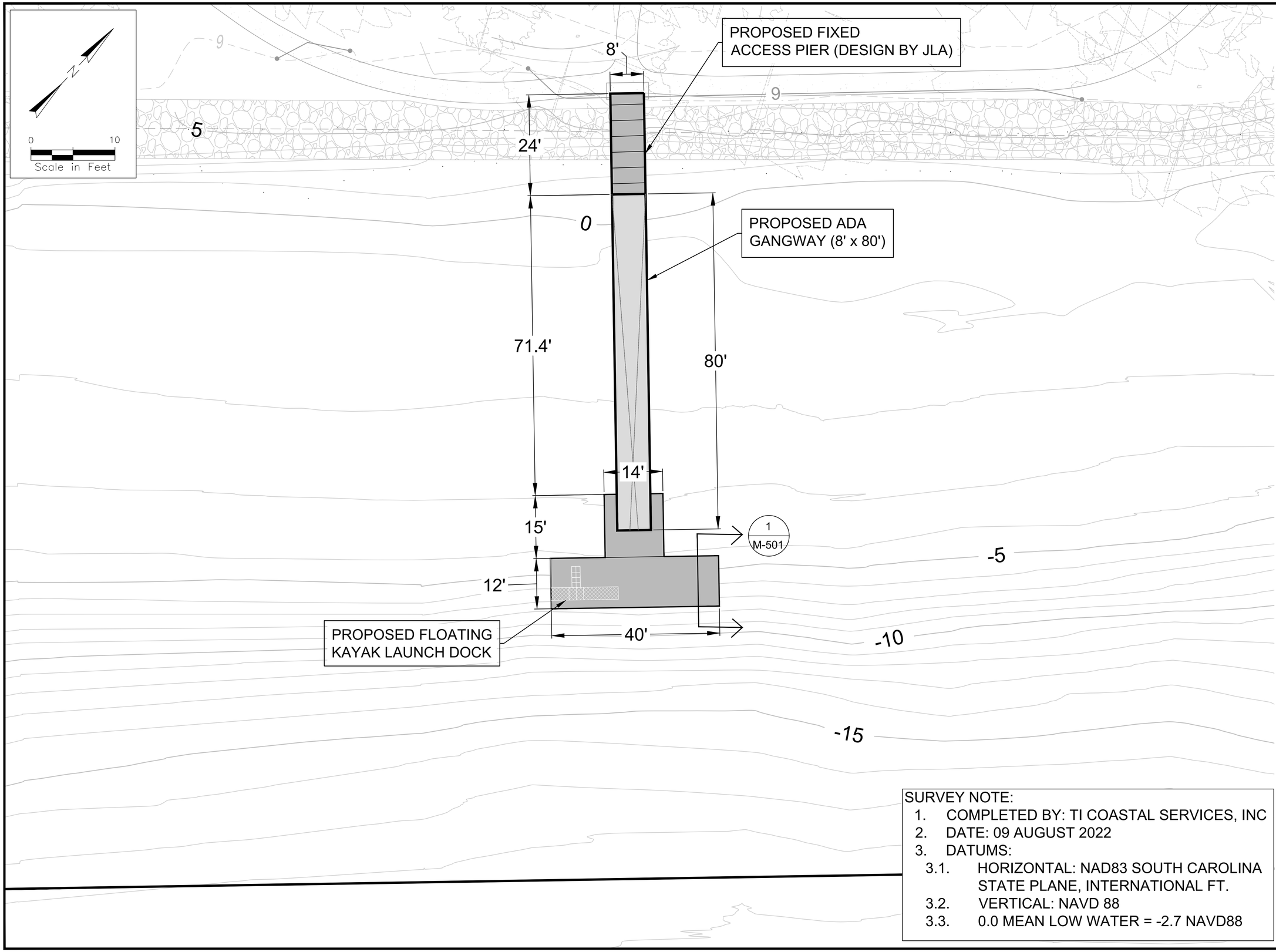
WEBSITE: www.theJLAgroup.com

DRAWING TITLE

KAYAK LAUNCH OVERALL PROPOSED DOCK PLAN

DATE 01/30/25	ARCHIVE NUMBER
DESIGNER KGM	DRAWING SHEET NO. M-102
DRAWN RAM	
CHECKED KGM	
PROJECT NO. 3094.2201	SHEET 134 OF 138

2/7/2025 9:38 AM CHASE.RIVERA O:\PROJECTS\22-3843 BUCK HALL RECREATION AREA RENOVATION\DRAWINGS\CAD\CONSTRUCTION SHEETS\BUCK HALL-KAYAK-ISSUED-FOR-BID.DWG;



SURVEY NOTE:

1. COMPLETED BY: TI COASTAL SERVICES, INC
2. DATE: 09 AUGUST 2022
3. DATUMS:
   - 3.1. HORIZONTAL: NAD83 SOUTH CAROLINA STATE PLANE, INTERNATIONAL FT.
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KAYAK LAUNCH PLANS
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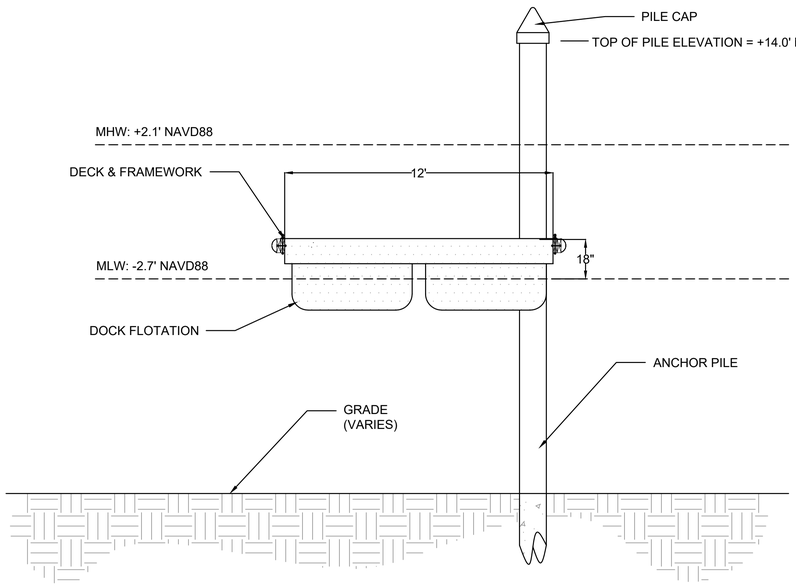
1296 BROAD ST., AUGUSTA, GEORGIA 30901
PHONE: (706) 724-5756 FAX: (706) 724-3955
WEBSITE: www.theJLAgroup.com

DRAWING TITLE

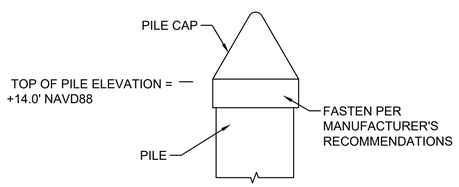
KAYAK LAUNCH DIMENSIONAL LAYOUT

DATE 01/30/25	ARCHIVE NUMBER
DESIGNER KGM	DRAWING SHEET NO. M-103
DRAWN RAM	
CHECKED KGM	
PROJECT NO. 3094.2201	SHEET 135 OF 138

2/7/2025 9:38 AM CHASE.RIVERA O:\PROJECTS\22-3843 BUCK HALL RECREATION AREA RENOVATION\DRAWINGS\CAD\CONSTRUCTION SHEETS\BUCK HALL-KAYAK-ISSUED-FOR-BID.DWG;



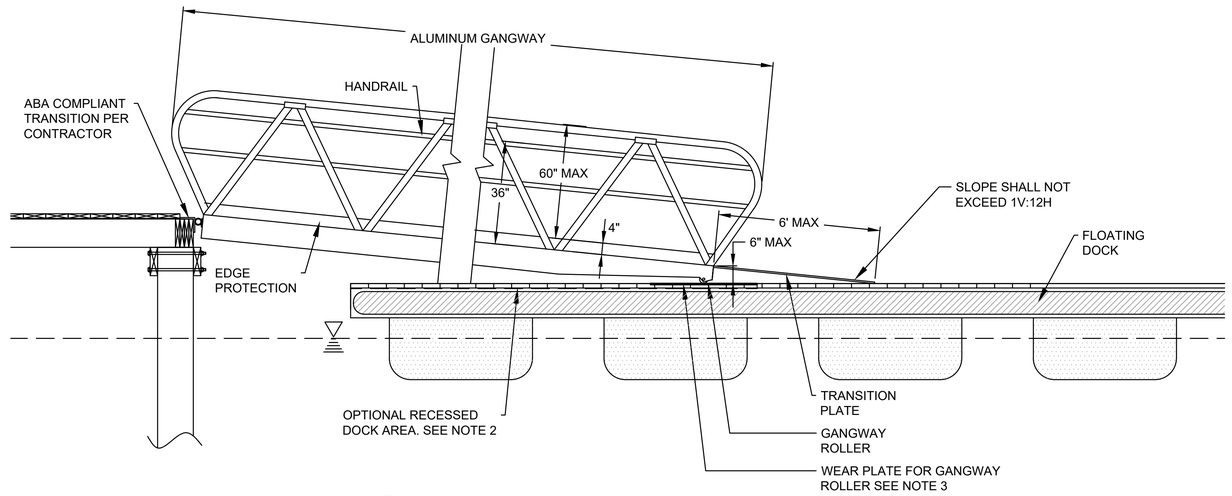
1 TYPICAL FLOATING DOCK SECTION
N.T.S.



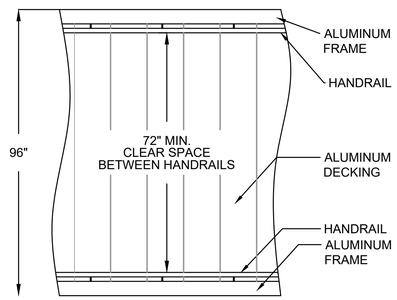
2 TYPICAL PILE CAP
N.T.S.

PILE CAP DETAIL NOTES

1. AFTER PILES HAVE BEEN DRIVEN TO THE PROPER ELEVATION, THEY SHALL BE CAPPED WITH BLACK POLYETHYLENE PILE CAPS WITH A WALL THICKNESS OF NO LESS THAN 1/8". CONTRACTOR TO SUBMIT MANUFACTURER'S CUT SHEET FOR APPROVAL.
2. PILE CAP SAMPLE SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.
3. PILE CAP SHALL BE FASTENED PER MANUFACTURER'S RECOMMENDATIONS.
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION



3 GANGWAY PROFILE DETAIL
N.T.S.



4 TYPICAL GANGWAY PLAN VIEW
N.T.S.

ADA GANGWAY DETAIL NOTES:

THE CONTRACTOR IS TO DEVELOP GANGWAY DESIGN TO MEET THE FOLLOWING CRITERIA:

1. MAX. LENGTH OF TRANSITION PLATE SHALL BE 6 FT.
2. TRANSITION PLATE/GANGWAY HINGE SHALL HAVE A MAX. HEIGHT ABOVE FLOATING DOCK DECK SURFACE OF 6 INCHES. FLOATING DOCK DECK SECTION MAY BE MODIFIED (RECESSED) IN THIS AREA TO ACCOMMODATE MAXIMUM TRANSITION PLATE HEIGHT.
3. WEAR PLATE ON DOCK TO EXTEND MIN 2'-0" EACH SIDE WHEN ROLLERS CONTACT AT MID TIDE.
4. ALUMINUM HANDRAIL TO COMPLY WITH ABA / ADA SPECIFICATIONS. TOP OF GRIPPING SURFACE HANDRAIL SHALL BE 36" ABOVE WALKING SURFACE AND SHALL BE NON-SKID. DIAMETER/WIDTH SHALL BE 1 ¼" - 1 ½". HANDRAIL MUST WITHSTAND 250 POUND LOAD.
5. INCLUDE ALUMINUM EDGE PROTECTION, MIN. 4" HIGH AND SHALL BE WELDED TO GANGWAY.
6. GANGWAY SHALL BE FULLY ABA COMPLIANT, INCLUDING TRANSITIONS.
7. CONSIDER HORIZONTAL MOVEMENT OF DOCK SYSTEMS IN GANGWAY DESIGN AND GANGWAY ATTACHMENT DESIGN.
8. TOP CHORD/STRUCTURAL ELEMENT OF GANGWAY SHALL NOT EXCEED 60" FROM WALKING SURFACE.

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KAYAK LAUNCH PLANS
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(843) 414-1040

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PROJECT NAME
BUCK HALL RECREATION AREA RECONSTRUCTION

FRANCIS MARION NATIONAL FOREST

1099 BUCK HALL LANDING RD.,
MCCLELLANVILLE, SC, 29458
Project Issue Date: 01/30/2025
Project Status: Final Construction Documents
Task Order Number: 12445222F0051

PREPARED BY:
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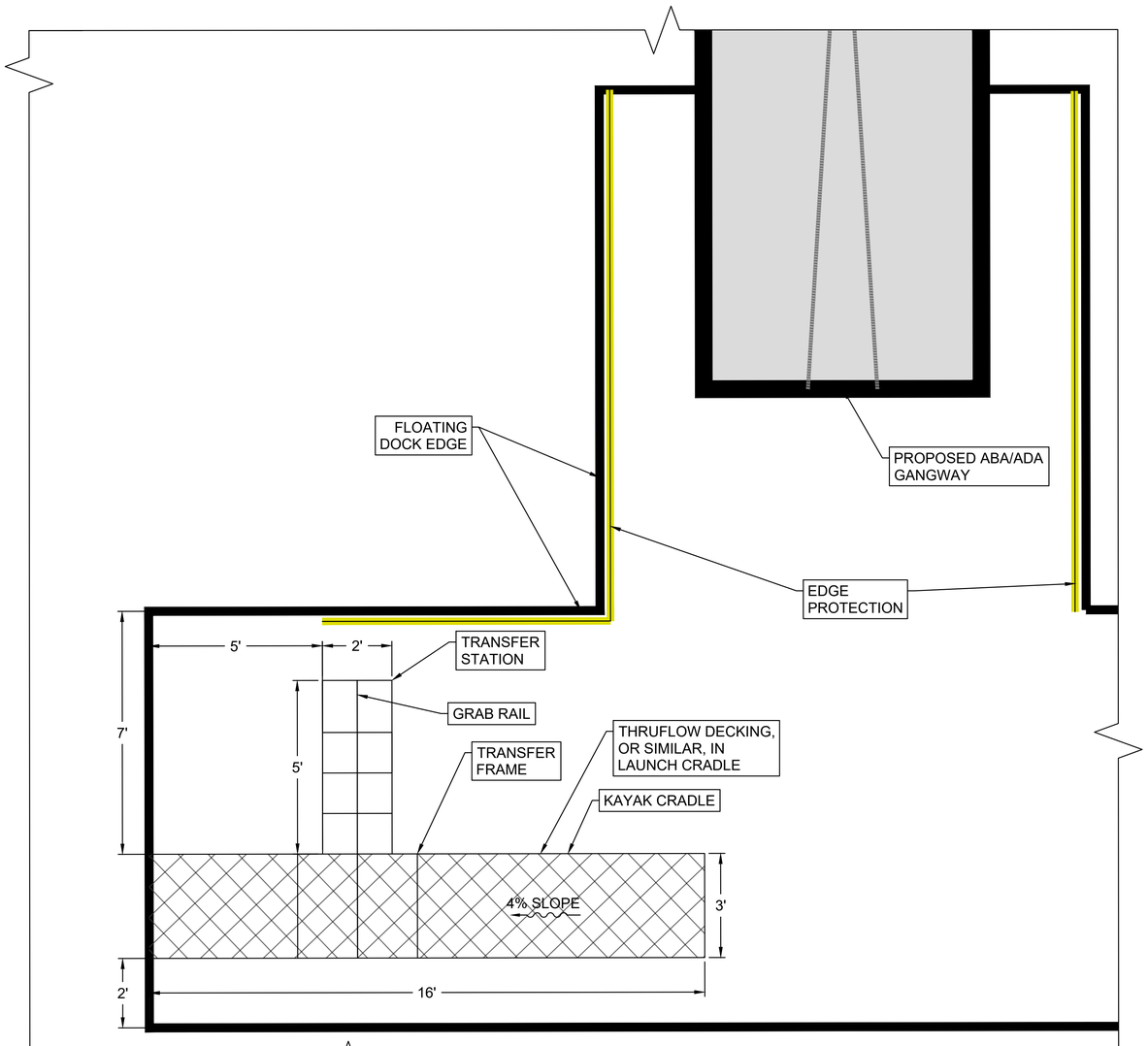
ARCHITECTS • ENGINEERS
LANDSCAPE ARCHITECTS
1296 BROAD ST., AUGUSTA, GEORGIA 30901
PHONE: (706) 724-5756 FAX: (706) 724-3955
WEBSITE: www.theJLAgroup.com

DRAWING TITLE

KAYAK LAUNCH DOCK TYPICAL DETAILS

DATE 01/30/25	ARCHIVE NUMBER
DESIGNER KGM	DRAWING SHEET NO. M-501
DRAWN RAM	
CHECKED KGM	
PROJECT NO. 3094.2201	SHEET 136 OF 138

2/7/2025 9:38 AM CHASE RIVERA O:\PROJECTS\22-3843 BUCK HALL RECREATION AREA RENOVATION\DRAWINGS\CAD\CONSTRUCTION SHEETS\BUCK HALL-KAYAK-ISSUED-FOR-BID.DWG;

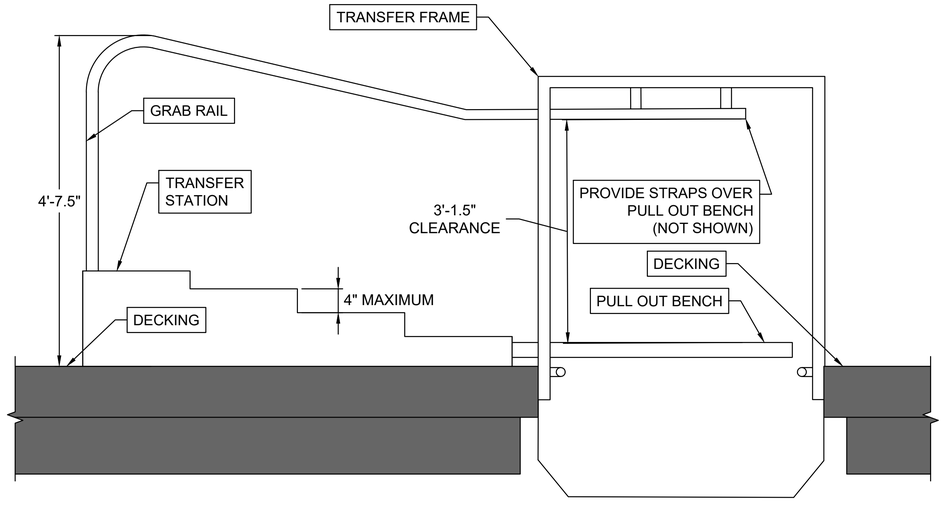


1 KAYAK LAUNCH PLAN DETAIL
N.T.S.

KAYAK LAUNCH NOTES:

THE CONTRACTOR IS TO DEVELOP KAYAK LAUNCH DESIGN TO MEET THE FOLLOWING CRITERIA:

1. INCLUDE ALUMINUM GRABRAILS TO COMPLY WITH ABA SPECIFICATIONS. HANDRAIL MUST WITHSTAND 250 POUND LOAD.
2. INCLUDE TOE KICK EDGE PROTECTION, MIN. 5" HIGH AROUND KAYAK LAUNCH PLATFORM AS INDICATED HEREIN.
3. CONTRACTOR TO PROVIDE SCHEMATIC DESIGN OF PROPOSED KAYAK LAUNCH SYSTEM WITH BID THAT MEETS OR EXCEEDS THE INDICATIVE DETAILS PROVIDED HEREIN.



2 INDICATIVE TRANSFER STATION SECTION
N.T.S.

United States Department of Agriculture
Forest Service

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Southern Region

KAYAK LAUNCH PLANS
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PROJECT NAME
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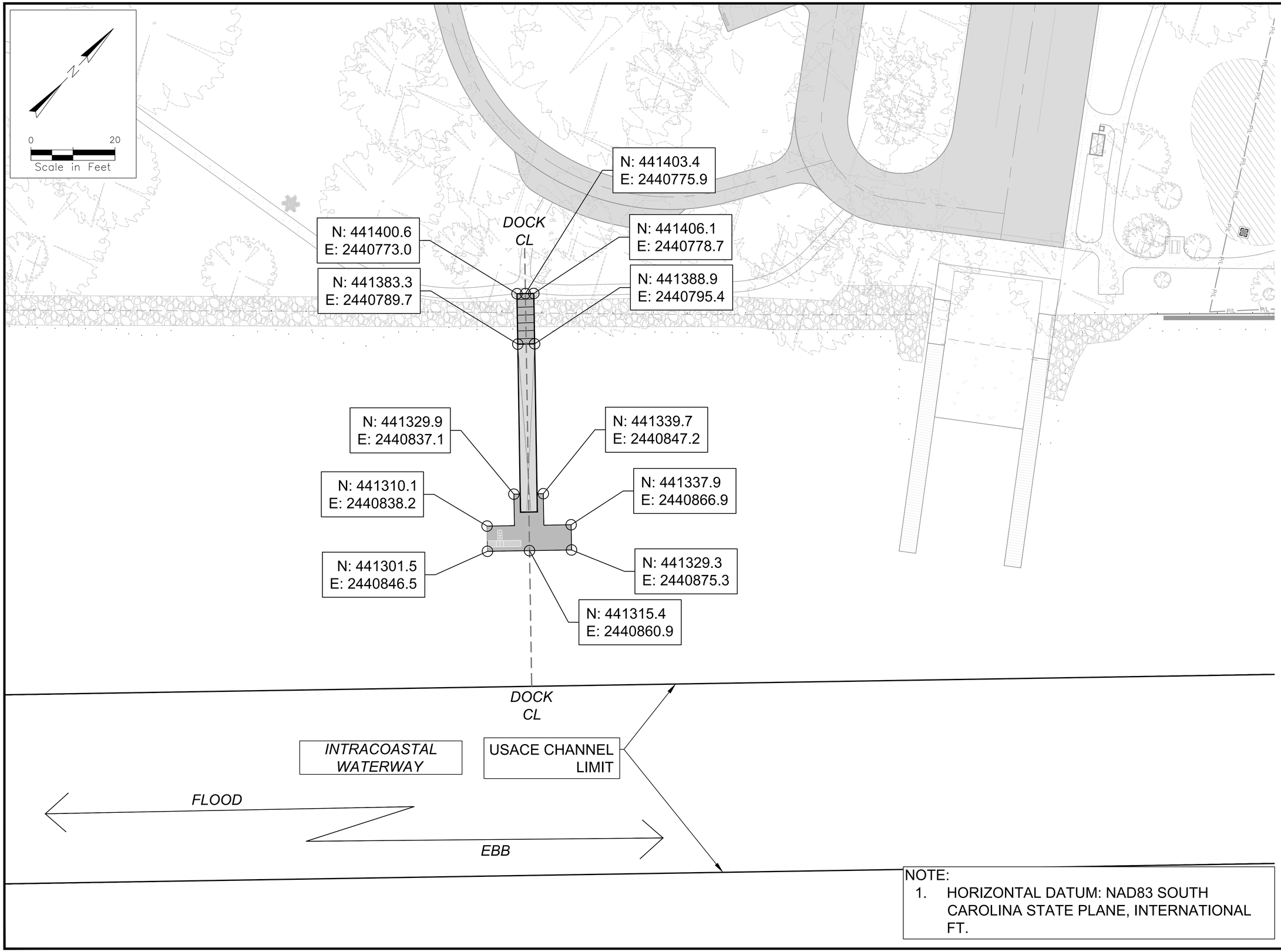
WEBSITE: www.theJLAgroup.com

DRAWING TITLE

KAYAK LAUNCH DETAILS

DATE 01/30/25	ARCHIVE NUMBER
DESIGNER KGM	DRAWING SHEET NO. M-502
DRAWN RAM	
CHECKED KGM	
PROJECT NO. 3094.2201	SHEET 137 OF 138

2/7/2025 9:39 AM CHASE.RIVERA O:\PROJECTS\22-3843 BUCK HALL RECREATION AREA RENOVATION\DRAWINGS\CAD\CONSTRUCTION SHEETS\BUCK HALL-KAYAK-ISSUED-FOR-BID.DWG;



NOTE:
1. HORIZONTAL DATUM: NAD83 SOUTH CAROLINA STATE PLANE, INTERNATIONAL FT.

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DRAWING TITLE

KAYAK LAUNCH DOCK SETTING OUT PLAN

DATE 01/30/25	ARCHIVE NUMBER
DESIGNER KGM	DRAWING SHEET NO. M-601
DRAWN RAM	
CHECKED KGM	
PROJECT NO. 3094.2201	SHEET 138 OF 138

2/7/2025 9:39 AM CHASE.RIVERA O:\PROJECTS\22-3843 BUCK HALL RECREATION AREA RENOVATION\DRAWINGS\CAD\CONSTRUCTION SHEETS\BUCK HALL-KAYAK-ISSUED-FOR-BID.DWG