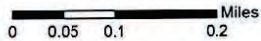
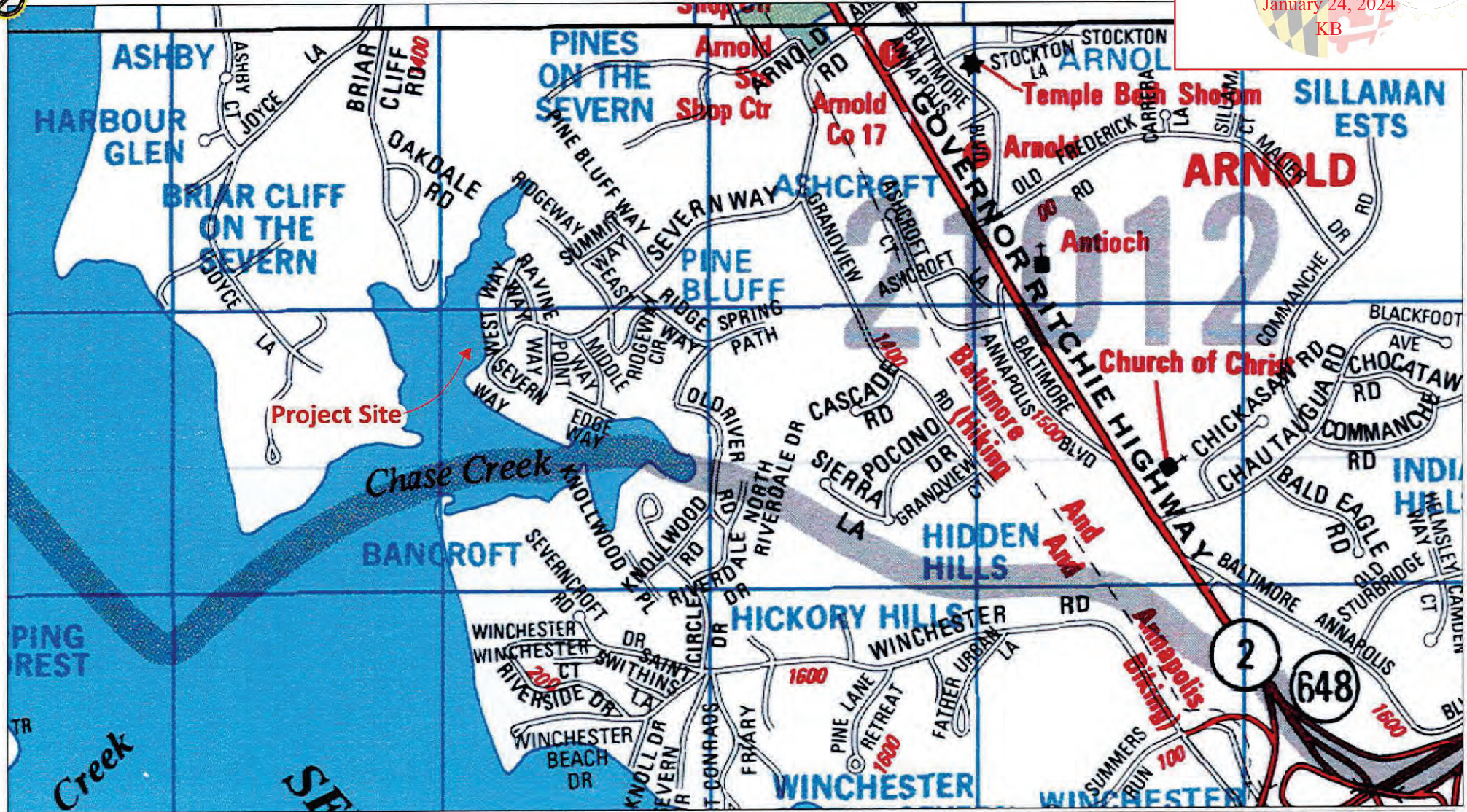


1. Vicinity Map and Aerial Photo



REF ID: A66000		APPROVAL	DATE	APPROVAL	DATE	SCALE
DATE	BY					UNRAWD BY
		DATE RECEIVED				CHECKED BY
		APPROVAL	DATE	APPROVAL	DATE	SHEET 1 OF 1
APPROVAL (DATE)						PROJECT NO.

Vicinity Map for Proposed Site

Proposed Project For: Pines Community Improvement Assn.
Applicant: Pines Community Improvement Assn.
Mailing Address: P.O. Box 19, Arnold, MD 21012



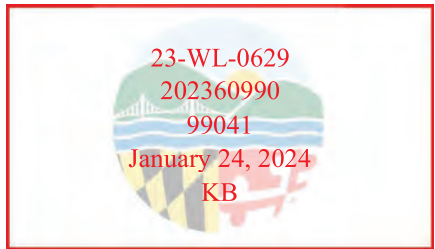


0 0.05 0.1 0.2 Miles

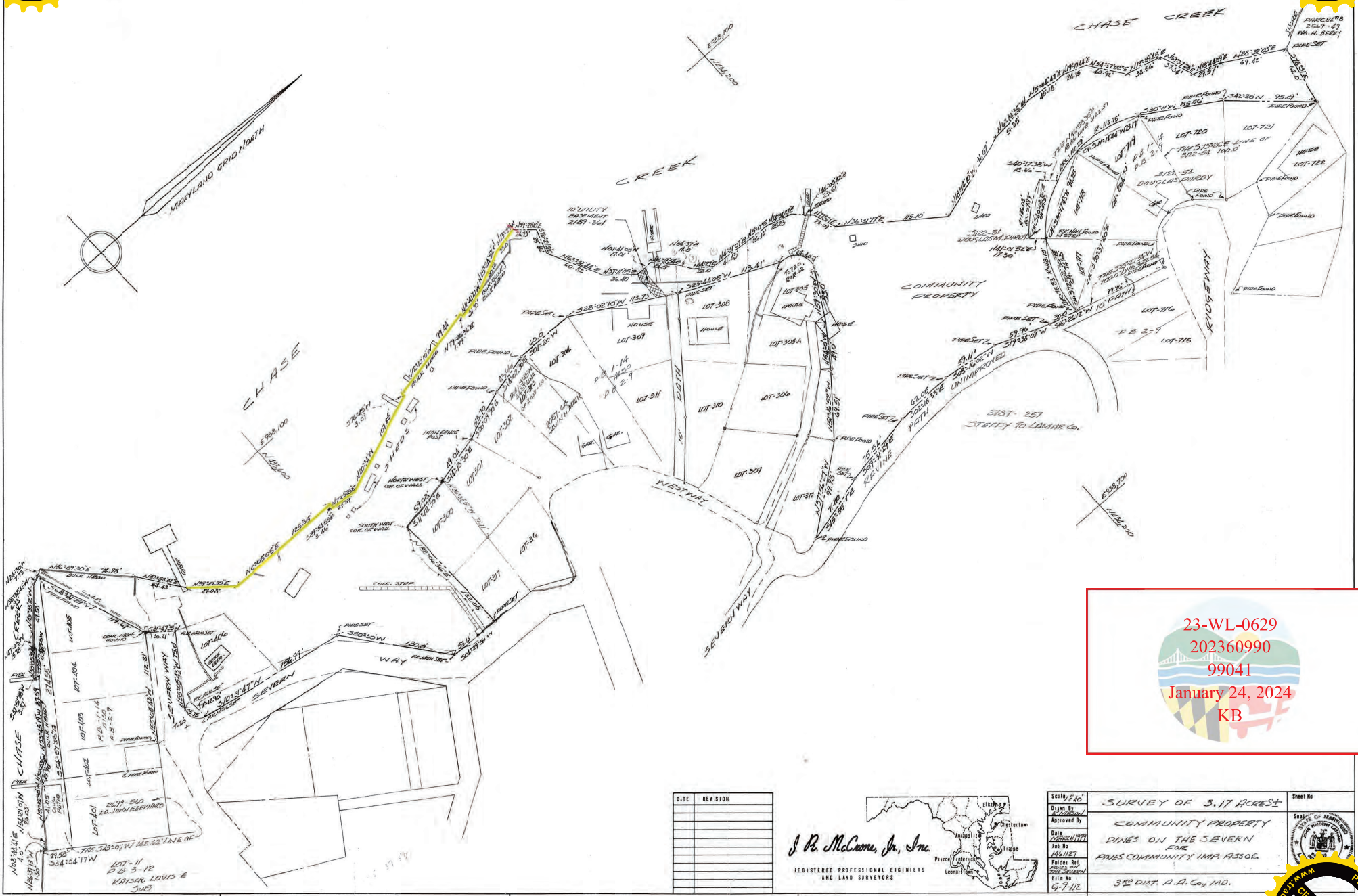
DATE	BY	DATE	BY	SCALE
DATE	BY	DATE	BY	CHECKED BY
DATE	BY	DATE	BY	SHEET 1 OF 1
				PROJECT NO.

Aerial Photo for Proposed Site
 Proposed Project For: Pines Community Improvement Assn.
 Applicant: Pines Community Improvement Assn.
 Mailing Address: P.O. Box 19, Arnold, MD 21012





2. Project Vicinity Conditions Plan Sheets

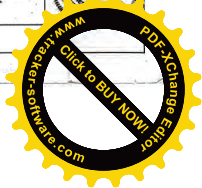


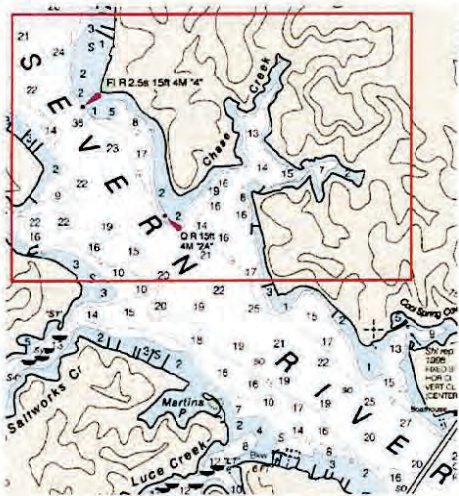
23-WL-0629
202360990
99041
January 24, 2024
KB

DATE	REV	SIGN

J. R. McCreary, Jr., Inc.
REGISTERED PROFESSIONAL ENGINEERS
AND LAND SURVEYORS

Scale: 1"=10'	SURVEY OF 3.17 ACRES COMMUNITY PROPERTY PILES ON THE SEVERN FOR PILES COMMUNITY IMP. ASSOC.	Sheet No.
Drawn By: [Signature]		Scale of Maryland
Approved By: [Signature]		
Date: 1/24/24		
Field No: 2023-0629		
File No: 9-7-11	3RD DIST. D. A. GAY, MD.	





CHESAPEAKE BAY

SEVERN AND MAGOTHY RIVERS

Mercator Projection
Scale 1:25,000 at Lat. 39° 01'

North American Datum of 1983
(World Geodetic System 1984)

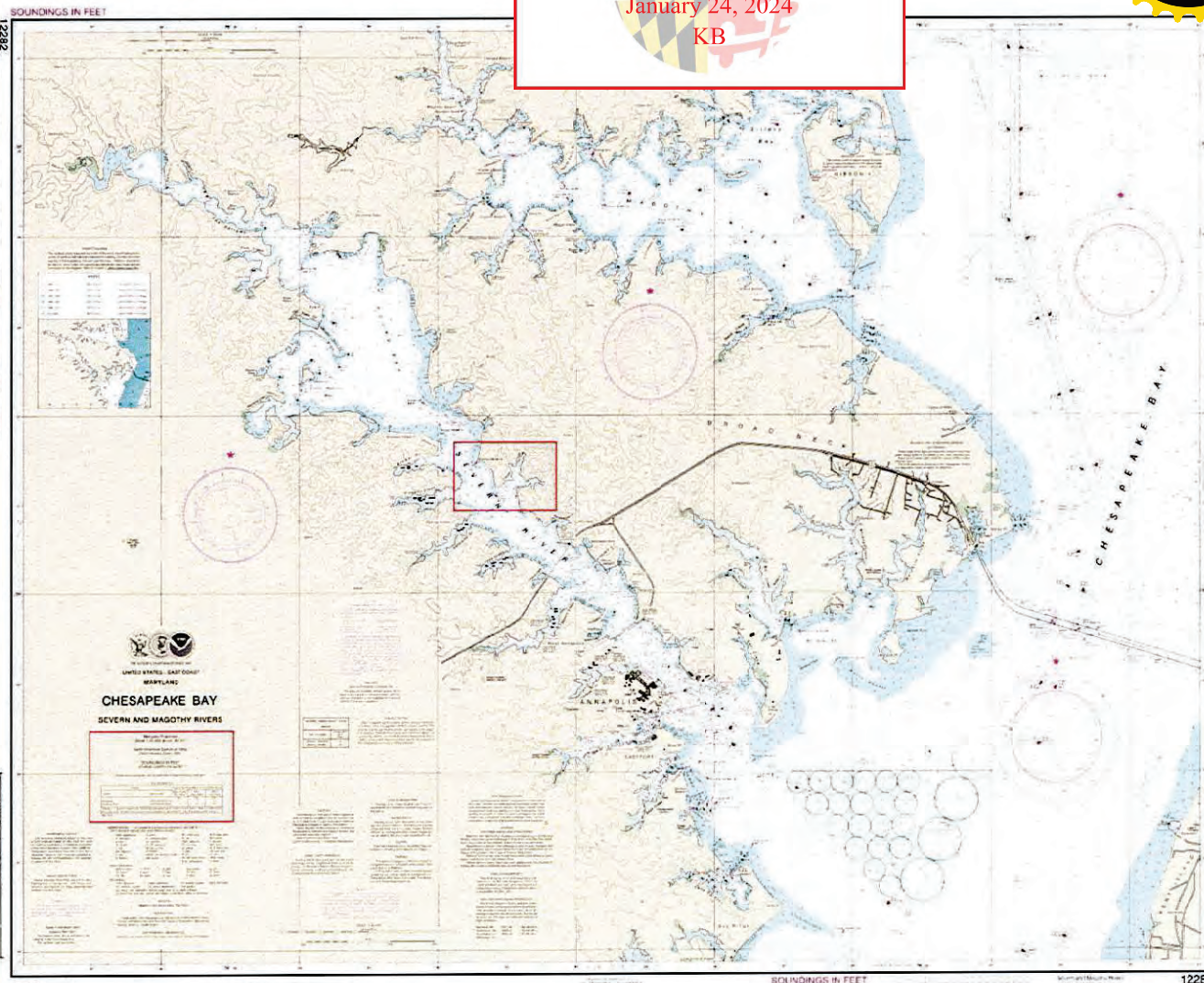
SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov

TIDAL INFORMATION

PLACE	Height referred to datum of soundings (MLLW)			
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
Annapolis	(39° 01' N / 76° 29' W)	feet: 1.4	feet: 1.2	feet: 0.2
Mountain Point	(39° 04' N / 76° 26' W)	feet: 1.2	feet: 1.0	feet: 0.2

Dashes (---) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the internet from <http://tidesandcurrents.noaa.gov> (Mar 2015).



12282

12282



0 0.05 0.1 0.2 Miles

DATE	APPROVED	DATE	APPROVED	SCALE	Aerial Photo for Proposed Site Proposed Project For: Pines Community Improvement Assn. Applicant: Pines Community Improvement Assn. Mailing Address: P.O. Box 19, Arnold, MD 21012
				DRAWN BY	
				CHECKED BY	
				SHEET 1 OF 1	
PROJECT NO.					



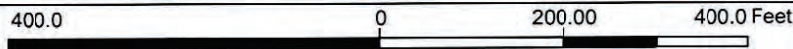
Pines on the Severn Community Pier



Legend

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1: 2,400

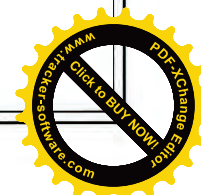


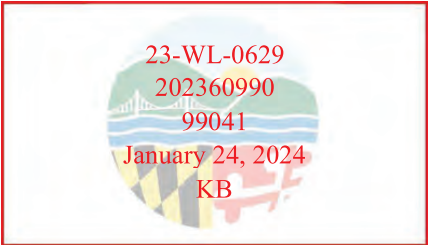
NAD_1983_HARN_StatePlane_Maryland_FIPS_1900_Feet
© Latitude Geographics Group Ltd.

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.
THIS MAP IS NOT TO BE USED FOR NAVIGATION

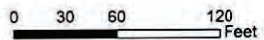
Notes

Notes





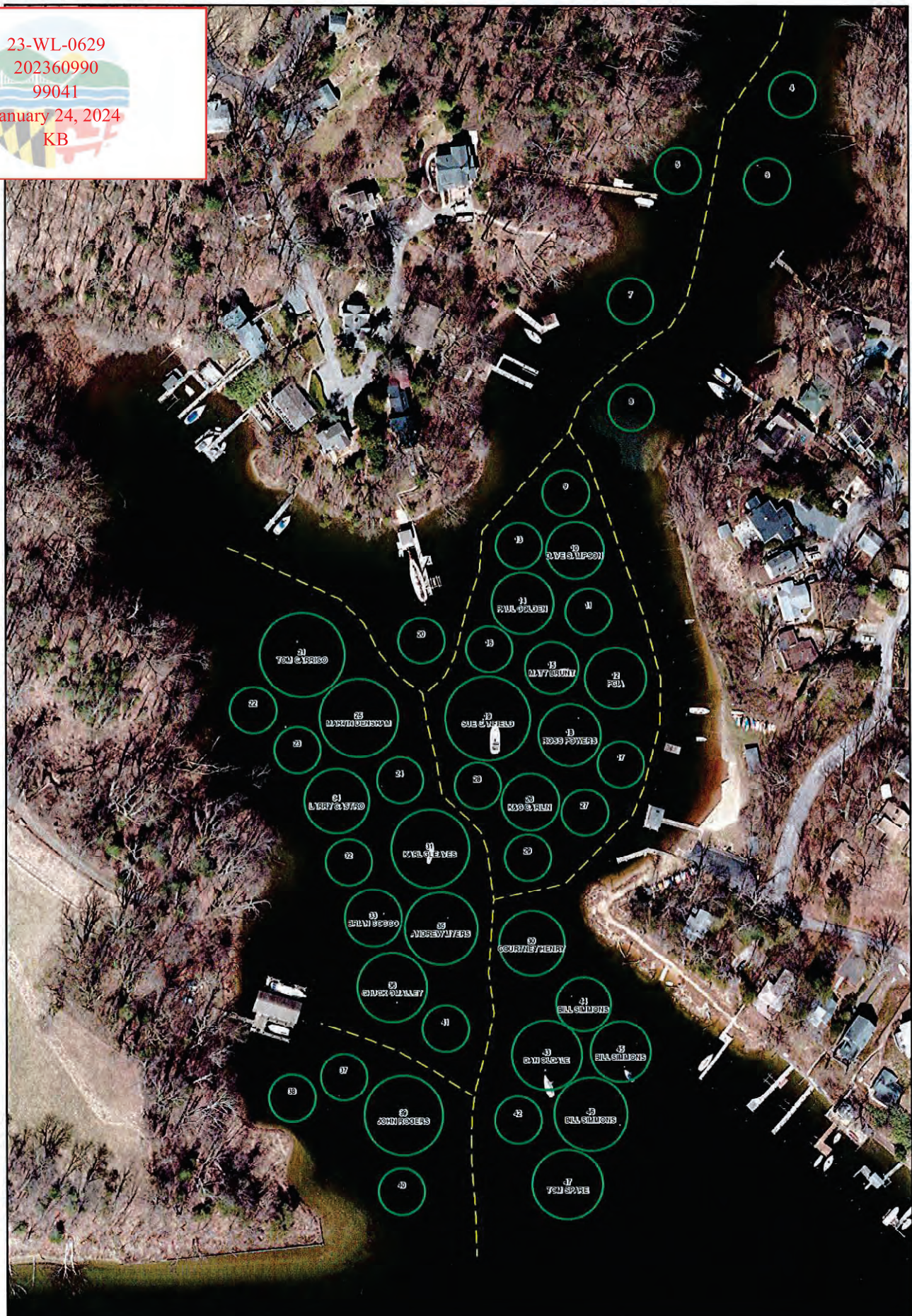
3. Existing Conditions Plan Sheets

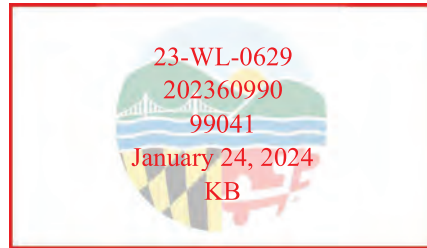


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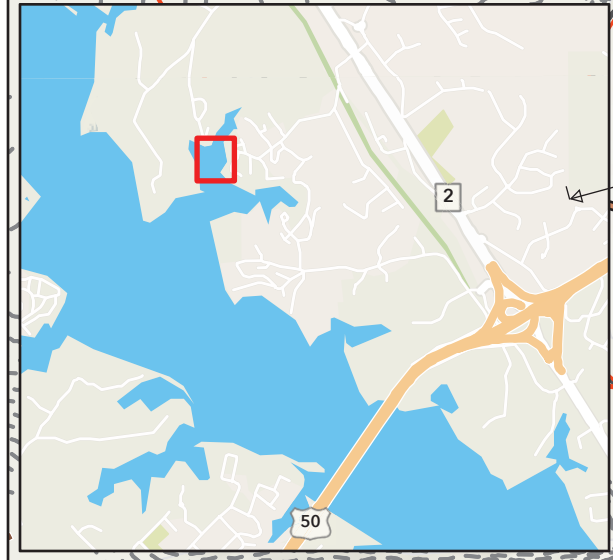
Proposed Project For: Pines Community Improvement Assn.
Applicant: Pines Community Improvement Assn.
Mailing Address: P.O. Box 19, Arnold, MD 21012

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January 24, 2024
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4. Proposed Conditions Plan Sheets



Pines on Severn Pier (Proposed)



- | | | | |
|---|--|---|------------------------|
|  | Proposed relocation of Moorings 10,11 & 12, Sewage Pumpout located |  | Parcels |
|  | Pilings (existing) |  | Piers (existing) |
|  | Curved Edge Lines (estimated) |  | Buildings |
|  | Straight Edge Lines (estimated) |  | Shoreline (0' contour) |
|  | MooringField |  | Five Foot Contours |
|  | SwimPlatform |  | Pines Pier (proposed) |
|  | Swim Area |  | Marina Basin |
|  | Pines Bulkhead |  | MA1 Line |
|  | Proposed Navigation Channels. | | |





PINE ON THE SEVERN
COMMUNITY IMPROVEMENT ASSOCIATION

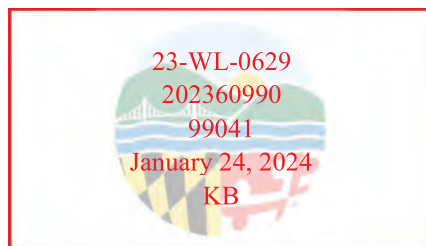
PO Box 19
Arnold, MD
July 22, 2022


COMMUNITY PIER REPLACEMENT

The Pines on the Severn Community Association (PCIA) proposes to replace existing community bulkhead boat slips at the property located on Severn Way in Arnold, MD 21012. The work includes removal of existing piles presently serving as bulkhead slips for 36 boats and replacement with a floating pier system, also containing 36 slips. PCIA intends to have on-site representatives available during the execution of the project to aid in facilitation and coordination. There will be no change to the existing bulkhead aside from routine annual maintenance.

New Floating Pier to be provided and installed by Contractor will consist of:

1. A 244' X 8' Main Pier of heavy duty timber suitable for marine application with outside hoops.
2. Ten (10) each 16' X 3' Finger Piers with outside piling hoops attached perpendicularly to the Main Pier.
3. Nine (9) each 26' X 4' Finger Piers with outside piling hoops attached perpendicularly to the Main Pier.
4. An 8' X 40' (approx.) gangway landing pier of heavy duty timber.
5. A 4' X 30' aluminum gangway from bulkhead.
6. Thirty-six (36) each corner gussets installed (2) on each finger pier.
7. Twelve (12) Supporting Pilings
8. Decking: 1"X 6" treated marine grade framing lumber and decking





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January 24, 2024
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- NOTES:
1. HEAVY DUTY FRAMING
60 CCA TREATMENT
 2. UTILITY CUT OUTS
 3. 5/16" DIA CONNECTION MAINS
RIGID CONNECTION FINGERS
HEAVY CORNERS
CONNECTIONS ON ALL
4'x26" FINGERS
 4. STEEL TIE BRACING IN
CORNERS
 5. 16" FLOAT @ 60% MAIN
16" FLOAT @ 65% FINGER
 6. 2"x6" PINE DECKING
10x13" STAINLESS STEEL
SCREWS
 7. PLANK PANEL
LOCATED EVERY 10'-12'
10" CLEAT
 8. SIDE TYPE BUMPER (GRAY)
SCREW FASTENED 6" O.C.
CORNER BUMPER (BLACK)
 9. 12" -14" TIMBER PILE
 10. 4" ROLLER PILE GUIDE
 11. 1"x6"x4" ALUMINUM WEAR
PLATE FOR GANGWAY
LANDING
 13. PINES ON THE SEVERN



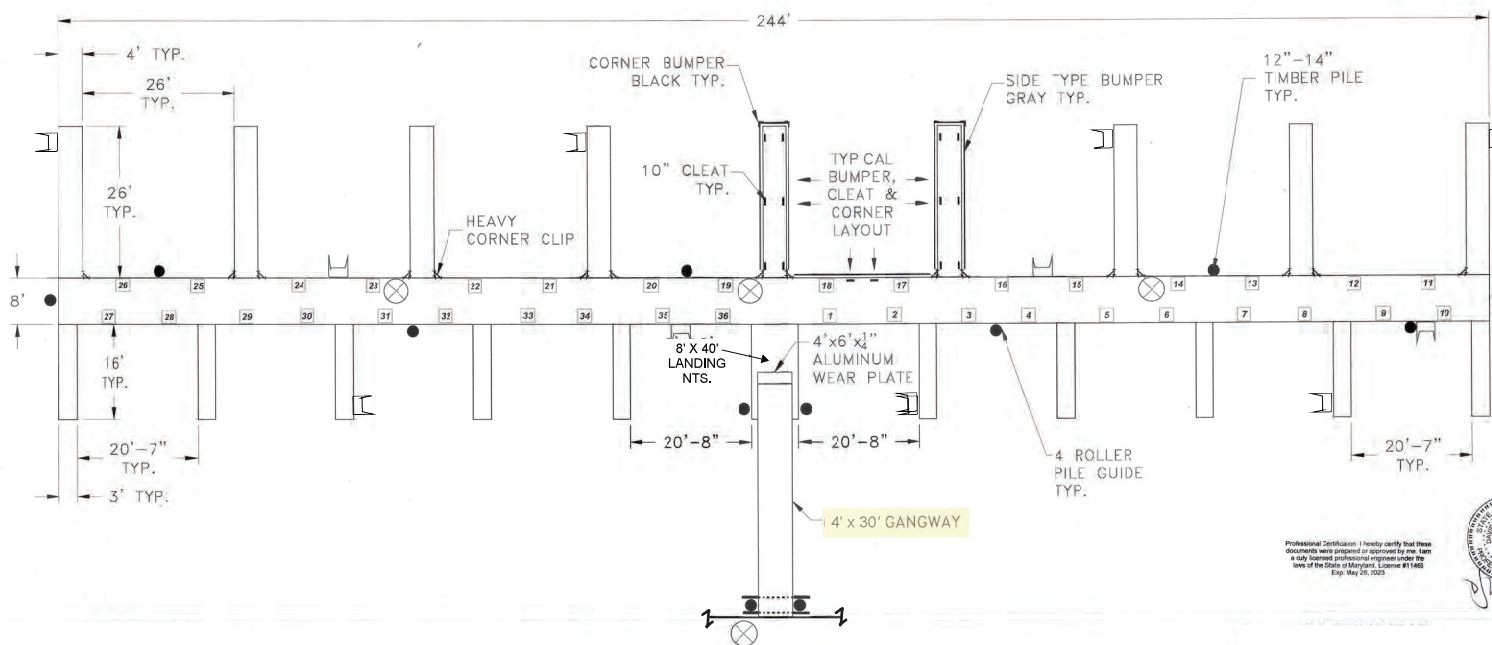
P.O. BOX 639
3 CHANCELLOR LANE
WARWICK, N.Y. 10990
PHONE: (845) 986-7377
FAX: (845) 986-8531
EMAIL: DOCKS@MEECOSULLIVAN.COM
WEBSITE: WWW.MEECOSULLIVAN.COM

PROJECT:
PINES ON THE SEVERN
ARNOLD, MD

DRAWING TITLE:

APPROVAL LAYOUT

GENERAL NOTES:

[illegible]

SCALE: 1"=10'

DATE: 7.30.21

DRAWN BY: G.D.K

APPROVED BY:

PROJECT #:

PROJECT #:	
------------	--

1

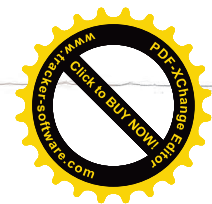
SHEET #

AL1

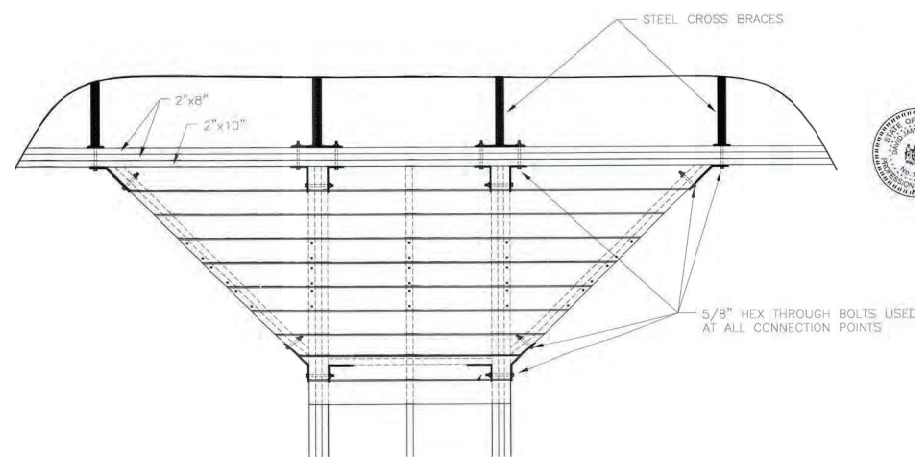
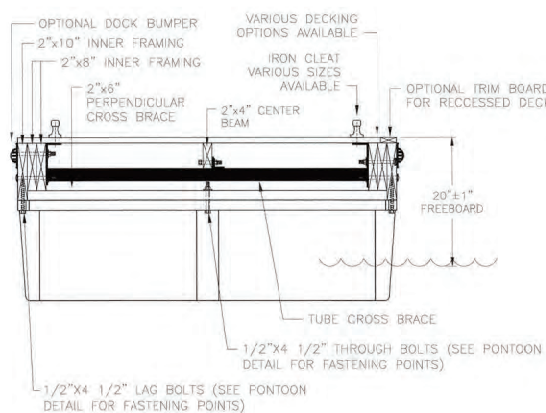
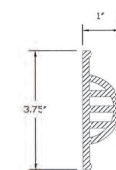
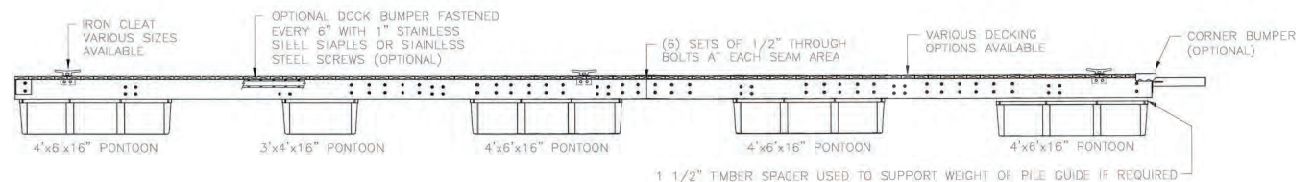
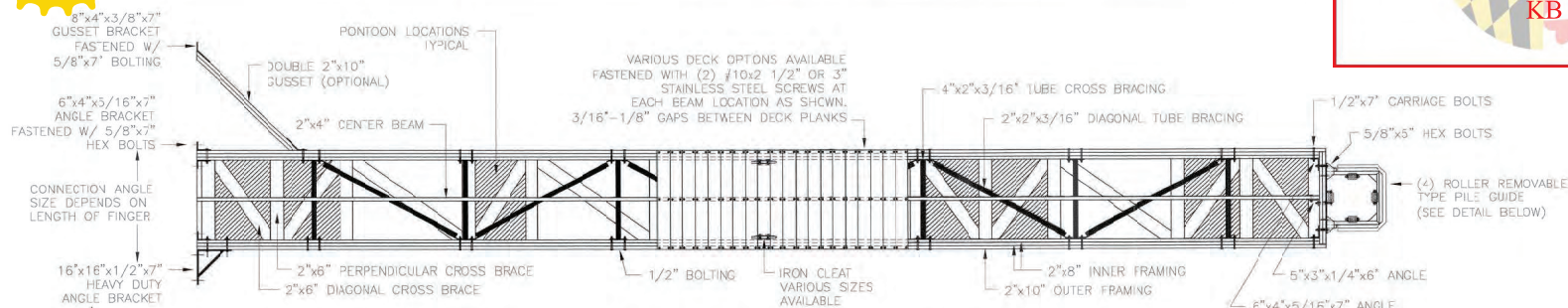
APPROVED FOR CONSTRUCTION: _____ DATE: _____
By signing and dating this document I authorize Meeco Sullivan to begin engineering, material procurement and fabrication of all contract elements identified hereon. Any subsequent changes may result in additional fees.

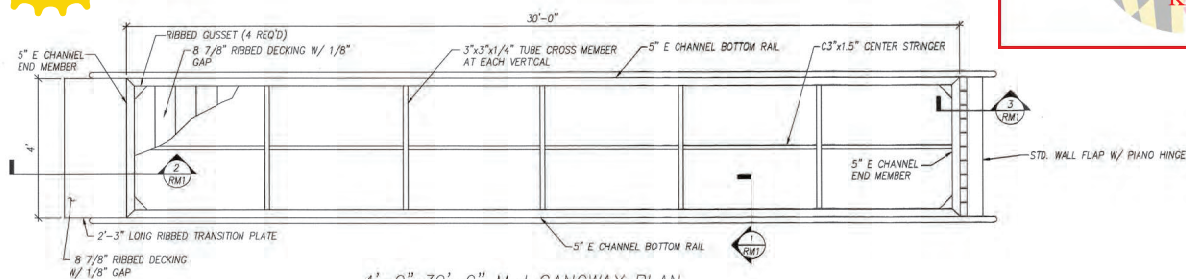


2/18/23

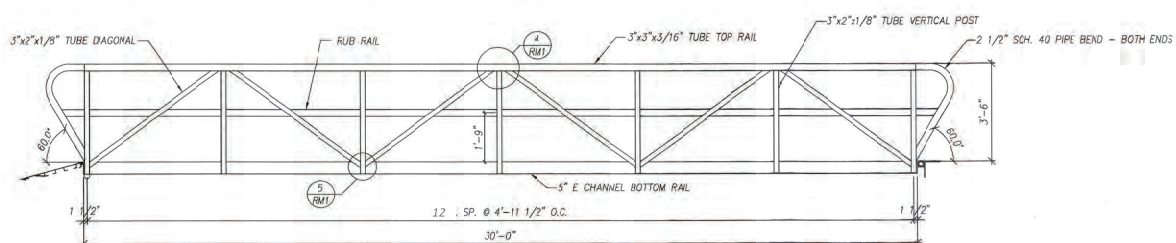




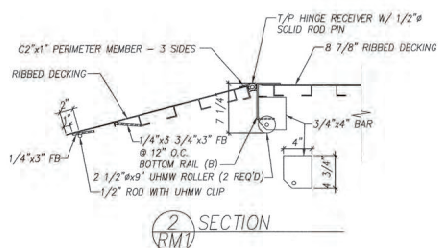
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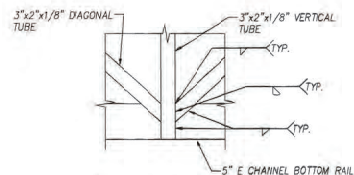
4'-0" x 30'-0" M-1 GANGWAY PLAN



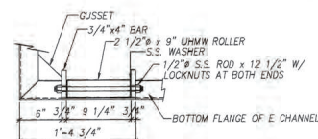
4'-0" x 30'-0" M-1 GANGWAY ELEVATION



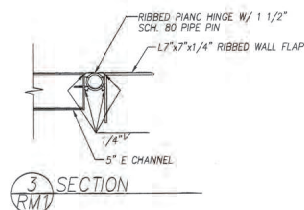
2 SECTION
RM1



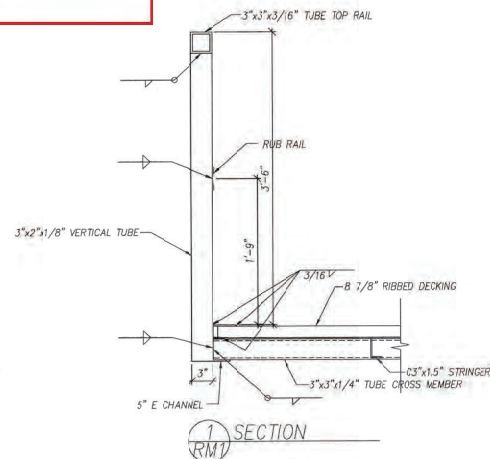
5 SECTION



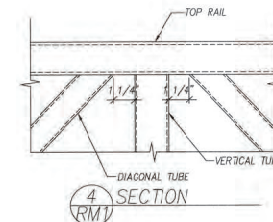
ROLLER END BOTTOM VIEW



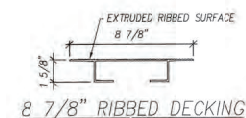
3 SECTION
RM1



1 SECTION



SECTION



8 7/8" RIBBED DECKING



P.O. BOX 639, 3 CHANCELLOR LANE
WARWICK, N.Y. 0990
PHONE: (845) 986-7377
FAX: (845) 986-8531
E-MAIL: DOCKS@SULLFLOAT.COM
WEBSITE: WWW.SULLFLOAT.COM

PROJECT:

DRAWING TITLE:

4'x30'
ALUMINUM GANGWAY

GENERAL NOTES:

1. DESIGN LIVE LOAD = 90 PSF
2. ALL ALUMINUM 6061-T6
3. ALL FASTENERS ASTM F593 TYPE 304 STAINLESS STEEL
4. 100% MIG WELDED CONSTRUCTION WITH 5356 ALLO[®] FILLER
5. ALL WELDS 3/16" FILLET TYP. UNLESS NOTED OTHERWISE

[illegible]

SCALE: N.T.S.

SHEET #

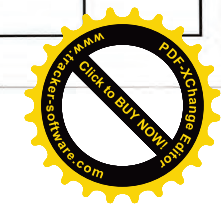
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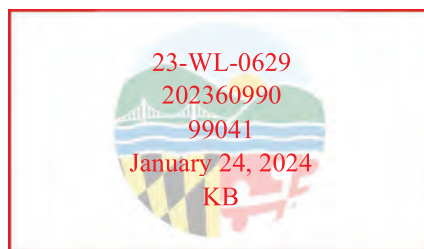
DRAWN BY: R.V.N

APPROVED BY:

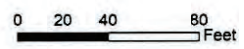
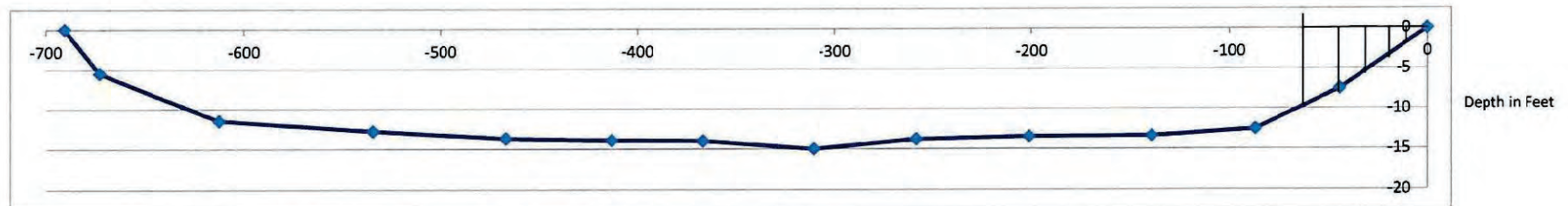
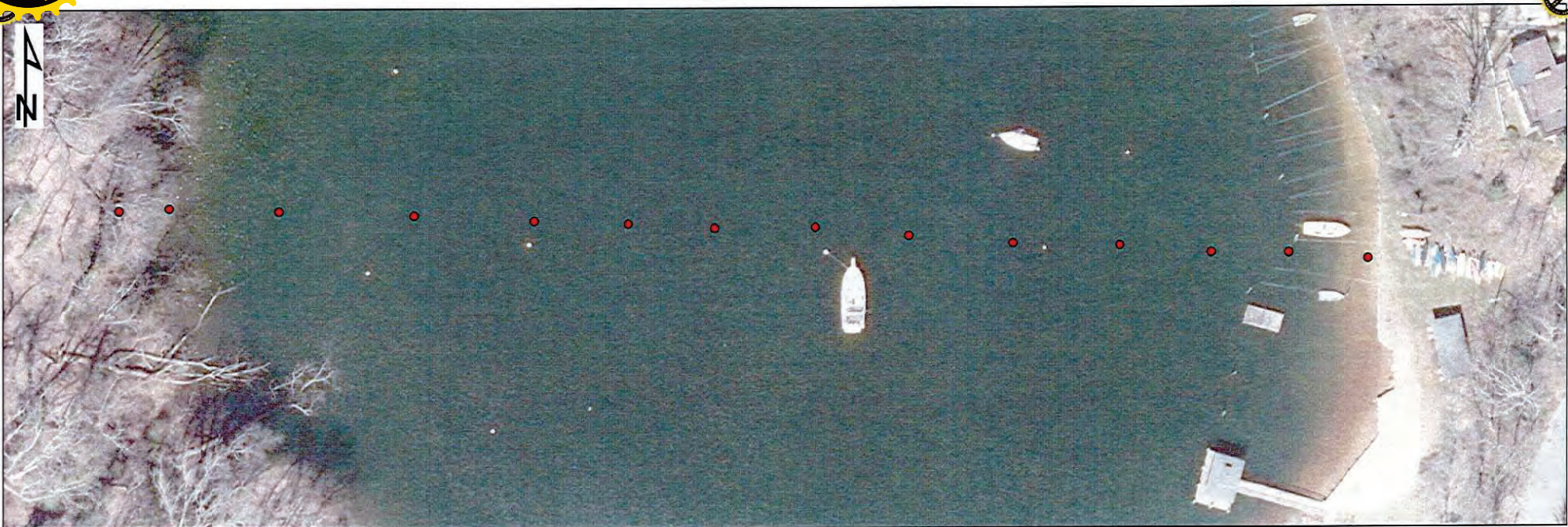
PROJECT #:

M' R





5. Cross Section Plan Sheet



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January 24, 2024
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REVISIONS		APPROVED BY	DATE	SCALE
DATE	BY			DRAWN BY
		CHECKED BY	DATE	SHEET 1 OF 1
		PROJECT NO.		

North Fork Cross Section
Proposed Project For: Pines Community Improvement Assn.
Applicant: Pines Community Improvement Assn.
Mailing Address: P.O. Box 19, Arnold, MD 21012



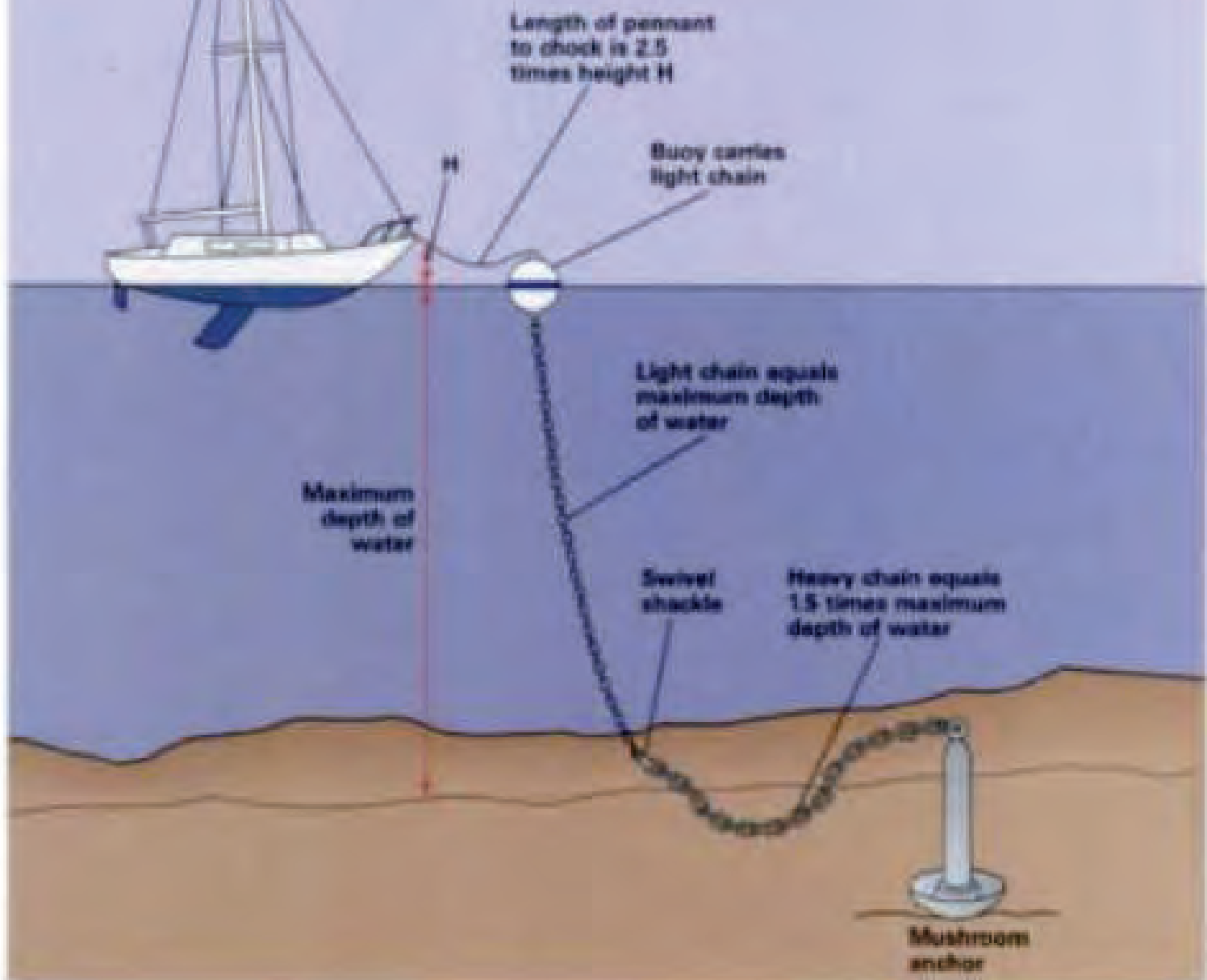
23-WL-0629

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99041

January 24, 2024

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- Heavy chain = $1.5 \times$ depth of water
- Heavy chain joined to light chain via swivel shackle
- Length of small chain = Maximum Depth of water
- Buoy carries light chain
- Length of pennant from buoy to chock = $2.5 \times$ height of freeboard

sheet 20 of 20