Received: 03.08.22
Complete: 03.21.22

CMP 5. EX
2ND DRAFT

EXPERIMENTAL LEASE APPLICATION

1. APPLICANT CONTACT INFORMATION

Applicant	BRENT NAPPI
Contact Person	Brent NAPPI
Address	1 Shady Lane
City	Falmouth
State, Zip	ME, 04105
County	Cumberland
Telephone	207-615-9601
Email	BNAPPI@Gmail.com
Payment Type	☒ Check (included) ☐ Credit Card

2. PROPOSED LEASE SITE INFORMATION

Location of Proposed Lease Site	
Town	Falmouth
Waterbody	Casco Bay
General Description (e.g. south of B Island)	South of Clapboard Island
Lease Information	
Total acreage (4-acre maximum) and lease term (3-year maximum) requested	4 Acres 3 Years
Type of culture (check all that apply)	☐ Bottom (no gear) ☒ Suspended (gear in the water and/or on the bottom) ☐ Net Pen (finfish)
Is any portion of the proposed lease site above mean low water?	☐ Yes ☒ No

3. GROWING AREA DESIGNATION

Growing Area Designation (e.g. "WL"):	WI
Growing Area Section (e.g. "A1"):	Inset C (Approved Open)

4. GENERAL LEASE INFORMATION

A. Please complete the table below and add additional rows as needed.

Name of species to be cultivated (*include both common and scientific names*)**:**	**Name and address of the source of seed stock or juveniles**	**Maximum number (or biomass) of organisms you anticipate on the site at any given time**
1. Sugar kelp: Saccharina Latissima	Summit Point LLC 1 Shady Lane Falmouth, ME. 04105	0-19,800 wet lbs. depending on the time of year and growing season.
2. Skinny Kelp: Saccharina Angustissima	Summit Point LLC 1 Shady Lane Falmouth, ME. 04105	0-19,800 wet lbs. depending on the time of year and growing season.
3.		
4.		
5.		

B. Do you intend to possess, transport, or sell whole or roe-on scallops? ☐ Yes ☒ No

5. VICINITY MAP

See "Vicinity Map" attached- Page 17

6. BOUNDARY DRAWING

See "Boundary Drawing" attached- Page 18

- Coordinate Description: Generated using the aquaculture web map found at the DMR website.

  See "Coordinate Description" attached- Page 19

  NW: -70.192164
  43.709186

  NE: -70.191343
  43.708468

  SW: -70.193634
  43.708325

  SE: -70.192808
  43.707600

7. RESEARCH PROGRAM AND OPERATIONS

A. Type of study **(check one):** ☐ Scientific Research ☒ Commercial Research

B. What is the purpose of the study? If scientific, please include a detailed study design.
To determine the viability of a lease design with fewer moorings.

C. Describe the general culture process for each species proposed.
Kelp will be seeded onto horizontal long lines in the fall. The kelp will be checked on a weekly basis throughout the winter to measure its quality and growth. The kelp will be harvested in the spring prior to June 1st.

D. What months will the proposed activities (i.e. seeding, tending, and harvesting) occur?
November 1st-June 1st

E. How often will you be at the site during seeding and harvesting periods?

Seeding should take no more than a week total. We will not work outside of normal daylight hours except in the event of an emergency.

Harvest should take no more than a week total. We will not work outside of normal daylight hours except in the event of an emergency.

F. How frequently will you visit/tend the site for routine maintenance (i.e. flipping cages, etc.)?

We will check the site, and monitor the kelp, on a weekly basis from Nov 1st-June 1st.

G. Describe the harvesting techniques you will use. If you plan on using a drag, please provide the dimensions.

We harvest using a lobster style boat with mounted reels that hoist the kelp out of the water for harvesting.

H. Describe any overwintering or "off season" plans for the site. For example, will you remove gear from the site and/or deploy gear in different areas within the proposed site? Please include where gear or product will be located if moved from the site.

From June 1st- November 1st only the corner markers, mooring blocks, 24 mooring line, and 24 mooring bags will remain on site.

All of the removed gear will be stored either on land, or on my commercial float at Clapboard Island.

I. What type of machinery (e.g. generator, drag, grading equipment, etc.) will you be using on the site? When and how often will the machinery be used?

During seeding we will use a small Carolina skiff, or lobster style boat, to plant the kelp. During grow out we will use a small Carolina skiff, or lobster style boat, to check the lease. During harvest we will use a small Carolina skiff and lobster boat to harvest the kelp from the lease.

J. Please provide details on any predator control techniques you plan to employ, including the use of bird deterrents. Will you use commercially available or custom equipment? If commercially, available equipment, please include the brand and model names. If custom equipment, please attach a detailed schematic that includes the dimensions, materials, and function of the equipment.
We do not use predator control techniques.

8. EXISTING USES

A. Describe the existing uses of the proposed area in questions A.1 through A.5 below. Please include the a) type b) time of year c) frequency, and d) proximity to the lease site for each existing use.
1. Commercial Fishing
a. Lobstering b. late spring through summer c. infrequent d. within
2. Recreational Fishing
a. hook fishing b. summer c. infrequent d. within
3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)
a. sail/pleasure b. summer-early fall c. moderate d. within
4. Ingress and egress (i.e. coming and going) of shorefront property owners within 1,000 feet of the proposal (e.g. docks, moorings, landing boats on shore, etc.)

There is no ingress or egress of shorefront property owners within 1,000 feet of the proposal.
5. Other uses (kayaking, swimming, etc.)
a. kayaking **b. summer** **c. infrequent** **d. within**

B. Are there private docks, moorings, or other access points within 1,000 feet of the proposed lease? If yes, please include approximate distance from proposed lease.
No

C. Are there public beaches, parks, or docking facilities within 1,000 feet of the proposed lease site. If yes, please describe and include approximate distances from proposed lease.
No

D. Are there any Limited Purpose Aquaculture (LPA) licenses or aquaculture leases within 1,000 feet of your proposed lease site? If yes, please list their acronyms below. Current and pending aquaculture leases and active LPA licenses may be found here: https://www.maine.gov/dmr/aquaculture/leases/index.html
No

9. CURRENT OPERATIONS

A. Describe your existing aquaculture operations, including the acronyms of all active leases and/or licenses.
NA

B. What are your plans for any existing leases and/or Limited Purposed Aquaculture (LPA) licenses if the lease is granted? Will any existing leases and/or Limited Purpose Aquaculture (LPA) licenses be relinquished if the lease is granted? If so, please indicate which ones.
NA

10. EXCLUSIVE USE

If your lease is granted, what activities would you request be excluded from occurring within the boundaries of the lease site? In your answer please address applicable commercial and recreational fishing, boating activities, and other activities you listed in the 'Existing Uses' section of this application.
NA

11. ENVIRONMENTAL CHARACTERIZATION

Directions: Using your knowledge of the area, describe the environment of the proposed lease site. Be sure to include units of measurement in your answers (i.e. feet, cm/s).

A. What are the approximate depths at mean low water?
Low water depths are approximately 40-48 feet across the proposal.

B. What are the approximate depths at mean high water?
High water depths are approximately 50-58 feet across the proposal.

C. Provide the approximate current speed and direction during the ebb and flow.
To my best knowledge there is at most approximately 2 knots of tide, which travels in close to a East to West direction

D. The following questions (D.1 through D.6) may be answered in writing or by submitting a video. If you plan to submit a video, please contact the Department prior to video collection.
1. What are the bottom characteristics (mud, sand, gravel, rock, ledge or some mix, etc.)?
Primarily soft mud with a few small patches of gravel
2. Describe the bottom topography (flat, steep rough, etc.).

The bottom is relatively flat across the entire proposal.
3. Describe marine organisms by species or common names. Based on your personal observations or other sources of information, are these species abundant, common, or rare?
From personal observation. **Lobsters- rare** **Skeleton shrimp- abundant** **Crabs- abundant**
4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.
To my best knowledge there are no shellfish beds or fish migration routes at this location.
5. Describe the presence and extent of submerged aquatic vegetation, i.e. eelgrass, within the proposed lease area. Please include the date of this observation along with the method of observation. If submerged aquatic vegetation is observed, please also describe the abundance below and sketch the limits of the beds in the vicinity map.
There is no submerged aquatic vegetation or eelgrass within the proposed lease area based on the 1997-2018 eelgrass mapping layers on the DMR aquaculture web map.
6. Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)

The nearest shoreline (over 1,000 feet away) is rocky, and wooded. The south end of clapboard contains one commercially rented property well over 1,000 feet away.

E. Is your proposed lease located within a Maine Department of Inland Fisheries and Wildlife designated Essential Habitat?

☐ Yes ☒ No

F. Will your operations discharge anything into the water such as feed (pellets, kelp, etc.) or chemical additives (therapeutants, chemical treatments, etc.)?

☐ Yes ☒ No

12. STRUCTURES

A. See "Overhead View" attached: Page 20
See "Key for Overhead View" attached: Page 21

See "Overhead View-Seasonal Changes" attached: Page 22
See "Key for Overhead View-Seasonal Changes" attached: Page 23

B. See "Cross-Section View" attached: Page 24-25
See "Key for Cross-Section View" attached: Page 26

See "Cross-Section View- Seasonal Changes" attached: Page 27-28
See "Key for Cross-Section View- Seasonal Changes" attached: Page 29

C) Gear Description

Directions: List and describe each individual gear type that you will use in the table below.

Specific Gear Type *(e.g. soft mesh bag)*	**Dimensions** *(e.g. 16"x20"x2")*	**Time of year gear will be deployed** *(e.g. Spring, Winter, etc.)*	**Maximum amount of this gear type that will be deployed on the site** *(i.e. 200 cages, 100 lantern nets, etc.)*	**Species that will be grown using this gear type**
Styrofoam buoys (Depth control buoys	13"x6"	Nov 1st-June 1st	207 buoys	Sugar Kelp Skinny Kelp
Sink rope for depth control buoys	3/8" diameter 7' long	Nov 1st-June 1st	207 lengths	Sugar kelp Skinny kelp
Small cement weight (for depth control buoys)	6" tall 6" wide	Nov 1st-June 1st	207 weights	Sugar kelp Skinny kelp
Long line	7/16" diameter By 300' length	Nov 1st-June 1st	6,900 feet of line	Sugar kelp Skinny kelp
Hard-shell go deep (end of long line marker buoys)	22"x7.25"	Nov 1st- June 1st	22 Buoys	Sugar kelp Skinny kelp
Sink rope for (end of long line marker buoys)	½" diameter 7' long	Nov 1st-June 1st	22 Lengths	Sugar kelp Skinny kelp
Bridle Line	½" diameter 440' long (two sections)	Nov 1st-June 1st	2 Lengths of 440' (880' Total)	Sugar kelp Skinny kelp
Mooring markers (hard-shell variety)	16" diameter	Year-round	24 buoys	Sugar kelp Skinny kelp
Mooring Line	1" diameter by varying lengths depending on depth of mooring	Year-round	24 mooring lines	Sugar kelp Skinny kelp
Mooring (cement block)	2'x2'x4'	Year-round	24 moorings	Sugar kelp Skinny kelp
Mooring Staple	3 links of 1" diameter chain	Year-round	24 staples	Sugar kelp Skinny kelp

D) Gear Drawing

-See "Gear drawing- depth control buoys" attached: page 30
-See "Gear drawing- sink rope for depth control buoys" attached: page 31
-See "Gear drawing- small weight for depth control buoys" attached: page 32
-See "Gear drawing- long line" attached: page 33
-See "Gear drawing- end of long line marker buoy" attached: page 34
-See "Gear drawing- sink rope for end of long line marker buoy" attached: page 35
-See "Gear drawing- bridle line" attached: page 36
-See "Gear drawing- mooring marker" attached: page 37
-See "Gear drawing- mooring line" attached: page 38
-See "Gear drawing- mooring" attached: page 39
-See "Gear drawing- mooring staple" attached: page 40

13. MARKING

Will you be able to mark your site in accordance with DMR regulations, Chapter 2.80? In part, this requires marker buoys which clearly display the lease ID and the words SEA FARM to be located at each corner of the lease.

☒ Yes ☐ No

If you answered no, explain why and suggest alternate markings.

14. RIPARIAN LANDOWNERS AND SITE ACCESS

A. Will your access to the lease area be across riparian land?

☐ Yes ☒ No

B. How will you access the proposed site?

Falmouth Town Landing

RIPARIAN LANDOWNER LIST

*THIS LIST MUST BE **CERTIFIED** BY THE TOWN CLERK*

On this list, please include the map number, lot number, and the current owners' names and mailing addresses for all shorefront parcels within 1,000 feet of the lease site. It is the applicant's responsibility to assemble the information for the Town Clerk to certify. The Town Clerk *only* certifies that the information is correct according to the Town's records. Once you have completed the form, ask the Town Clerk to complete the certification section below. If riparian parcels are located within more than one municipality, provide a separate, tax map and certified riparian list for each municipality.

TOWN OF: NA

MAP #	LOT #	Landowner name(s) and address(es)
		NA

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, NA, Town Clerk for the Town of NA certify that the names and addresses of the property owners listed above, as well as the map and lot numbers, are those listed in the records of this municipality and are current as of this date.

SIGNED: NA **DATE:** NA

15. ESCROW ACCOUNT OR PERFORMANCE BOND

Check Here	Lease Category	Amount of Required Escrow or Performance Bond
☐	**No gear/structure, no discharge**	None
☐	**No gear/structure, discharge**	$500.00
☐	**≤ 400 square feet of gear/structure, no discharge**	$1,500.00
☒	**>400 square feet of gear/structure, no discharge**	$5,000.00*
☐	**Gear/Structure, discharge**	$25,000.00

*DMR may increase the bond/escrow requirements for leases with more than 2,000 feet of structure.

I, (*printed name of applicant*) BRENT NAPPI have read DMR Aquaculture Regulations 2.64(12)(B)) and if this proposed lease is granted by DMR I will either open an escrow account or obtain a performance bond, depending on the category of lease.

Brent Nappi 1/5/22

Applicant Signature **Date**

Note: *Add title if signing on behalf of a corporate applicant.*

16. APPLICANT SIGNATURE PAGE

I hereby state that the information included in this application is true and correct. I have also read and understand the requirements of the Department's rules governing aquaculture and the application instructions pertaining to the experimental lease process.

Printed name: BRENT NAPPI

Title (*if corporate applicant*): NA

Signature: Brent Nappi Date: 1/5/22

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than $10,000 or imprisoned not more than five years or both.

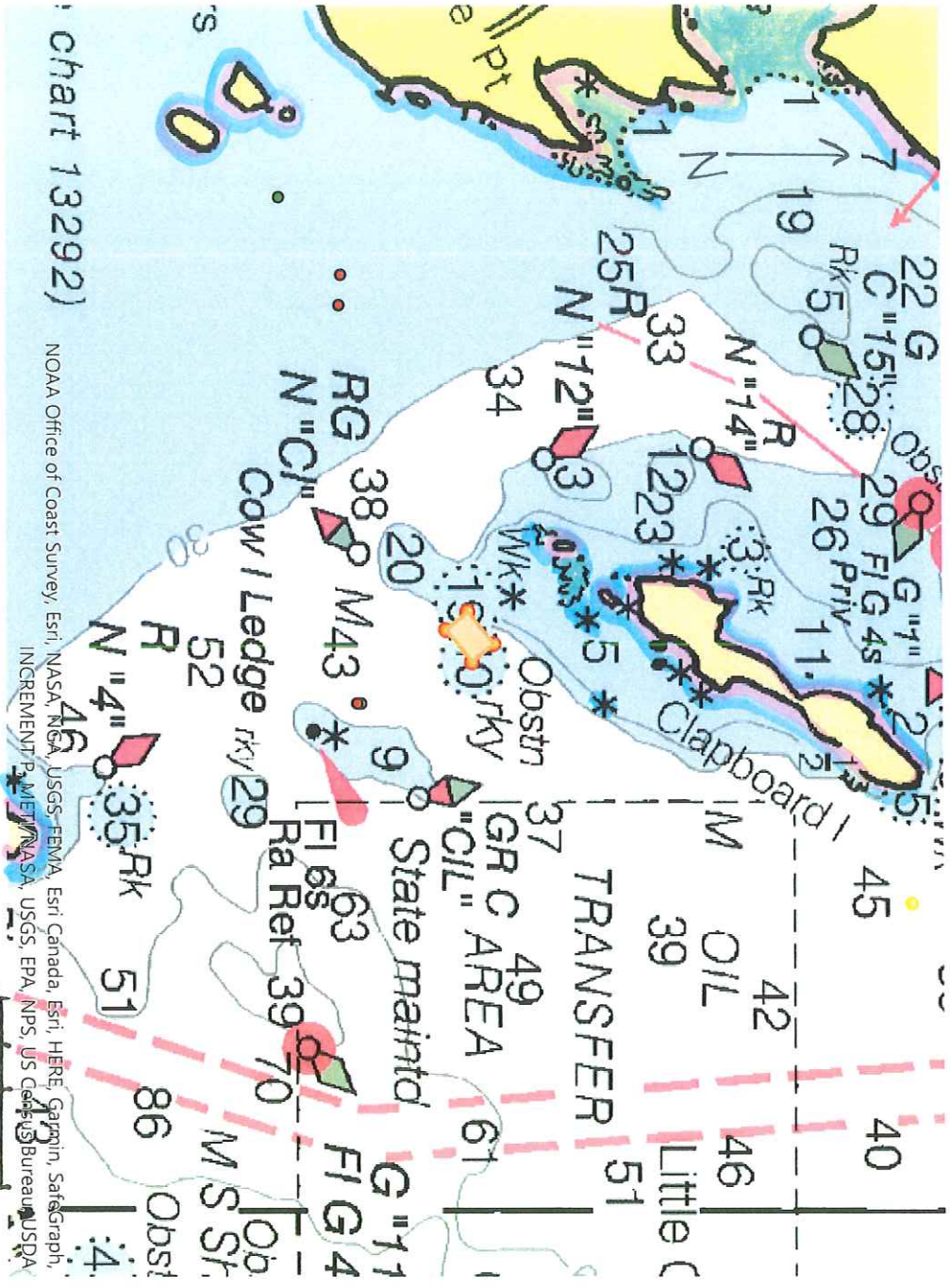
1. Does the municipality, where the proposed site is located, have a shellfish conservation program? ☒ Yes ☐ No

If you answered yes, please attach documentation from a public meeting demonstrating that a majority of municipal officers have consented to your proposal.

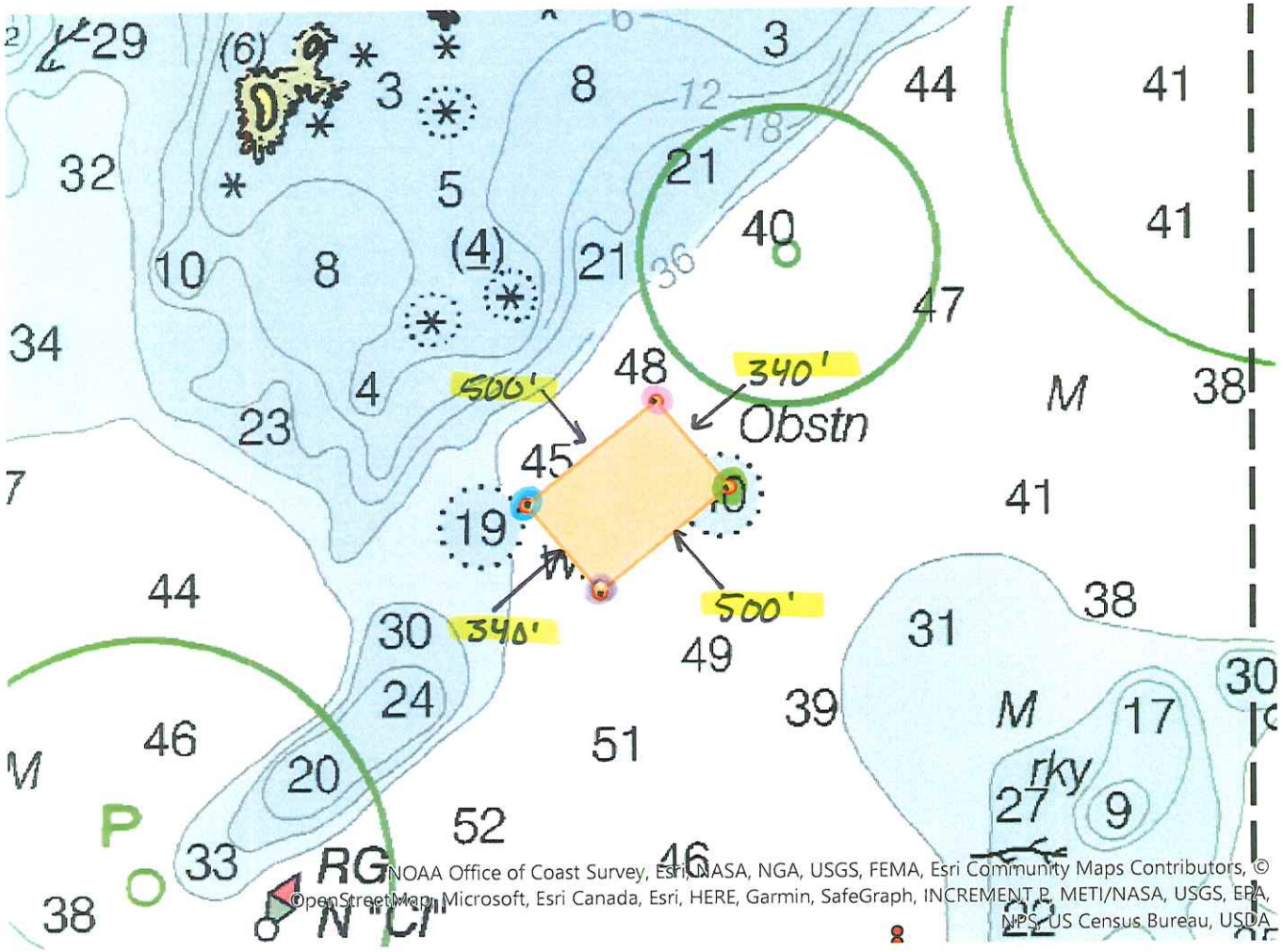
-Proposal is not intertidal. Does not apply.

Vicinity Map:

FROM QUESTION 5



BOUNDARY DRAWING: FROM DIVISION 6



= LEASE BOUNDARY

= DISTANCE BETWEEN CORNERS

= NW CORNER

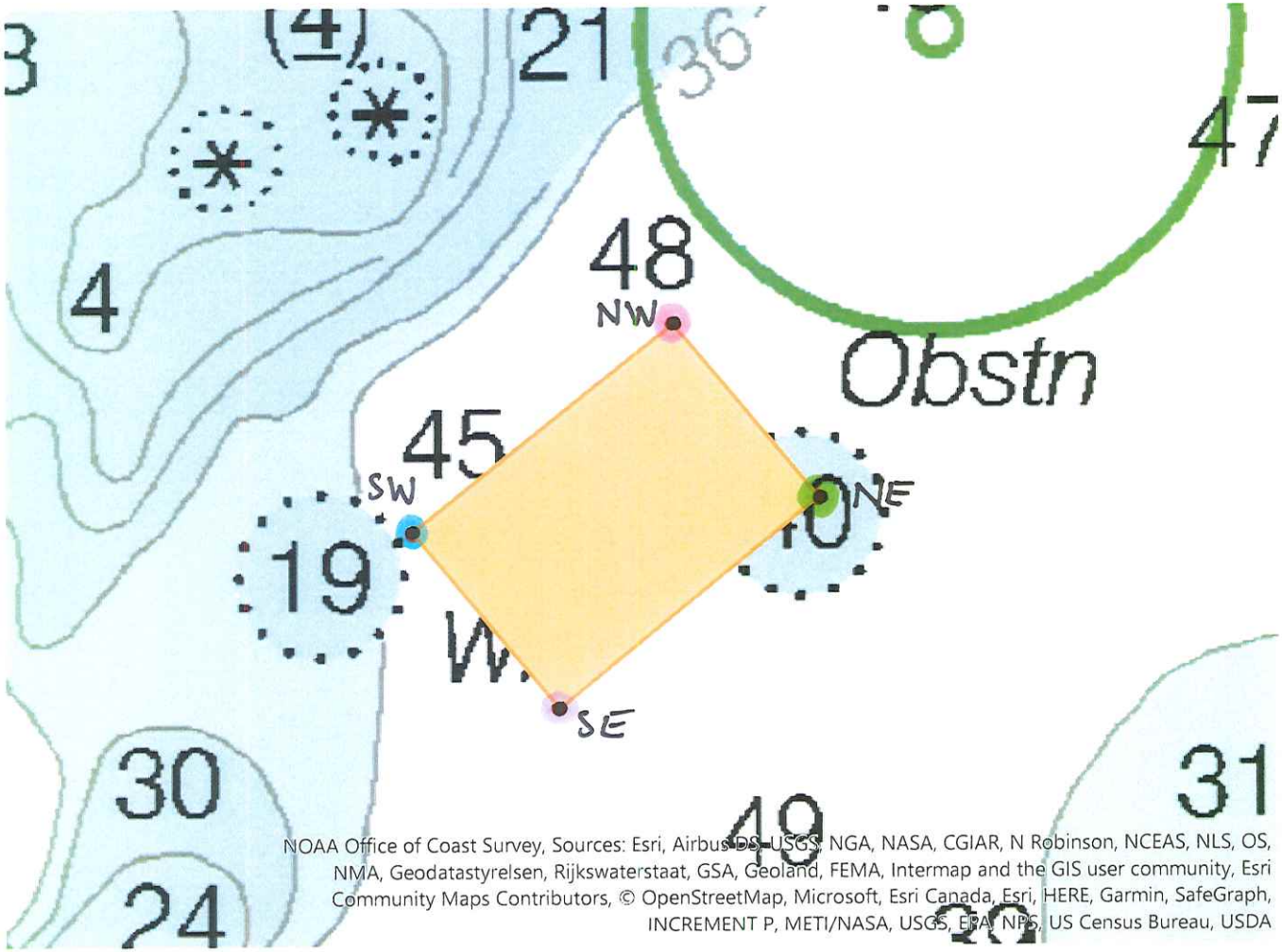
= NE CORNER

= SW CORNER

= SE CORNER

COORDINATE DESCRIPTION:

FROM QUESTION 6



NW = -70.192164
43.709186

SW = -70.193634
43.708325

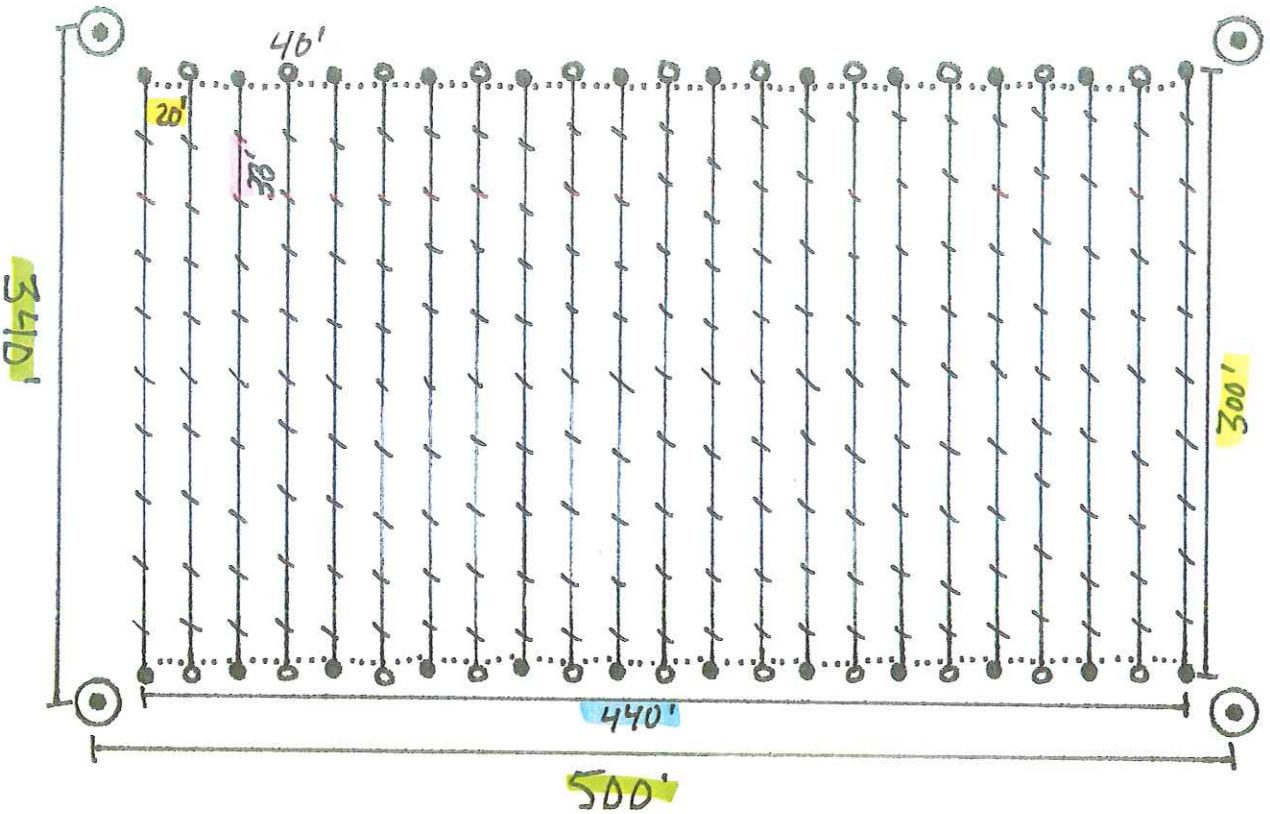
= LEASE BOUNDARY

NE = -70.191343
43.708468

SE = -70.192808
43.707600

OVERHEAD VIEW: NOV 1ST - JUNE 1ST

FROM QUESTION: 12A



KEY FOR OVERHEAD VIEW:

⊙ = CORNER MARKERS

• = MOORINGS WITH MOORING MARKERS

/ = DEPTH CONTROL BUOY

| = LONG LINE

▬ = MEASUREMENT BETWEEN TWO POINTS OF CORNER MARKERS

o = HARD FLOAT MARKING END OF LONG LINE (NO MOORING)

... = BRIDLE LINE (CONNECTING LINES WITH MOORINGS TO LINES WITHOUT MOORINGS)

▬ = DISTANCE BETWEEN LONG LINES

▬ = DISTANCE BETWEEN DEPTH CONTROL BUOYS

▬ = LENGTH OF LONG LINE

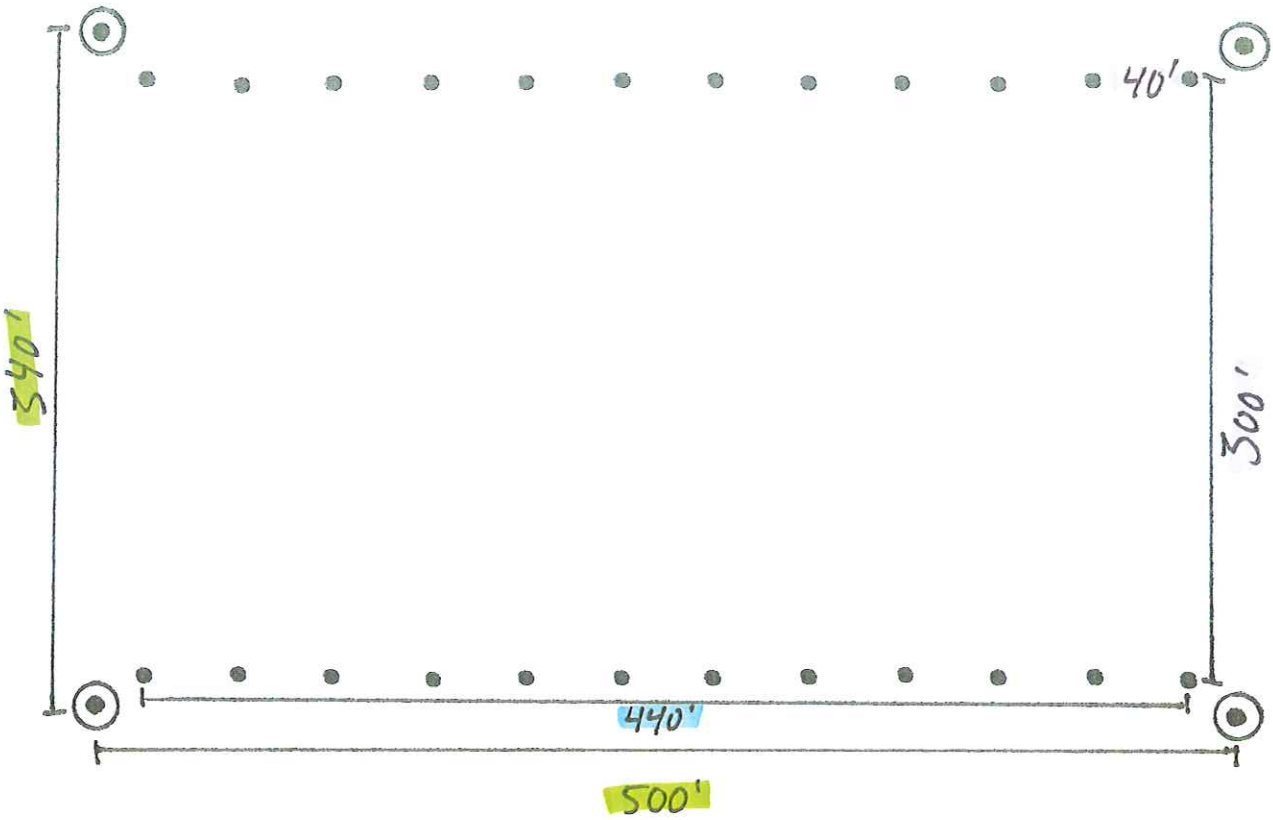
▬ = LENGTH OF MOORING ROW.

▬ = DISTANCE BETWEEN MOORINGS

OVERHEAD VIEW - SEASONAL CHANGES:

JUNE 1ST - NOV 1ST

FROM QUESTION: 12A



KEY FOR OVERHEAD VIEW- SEASONAL CHANGES:

◎ = CORNER MARKERS

• = MOORINGS WITH MOORING MARKERS

▬ = MEASURMENT BETWEEN TWO POINTS OF CORNER MARKERS

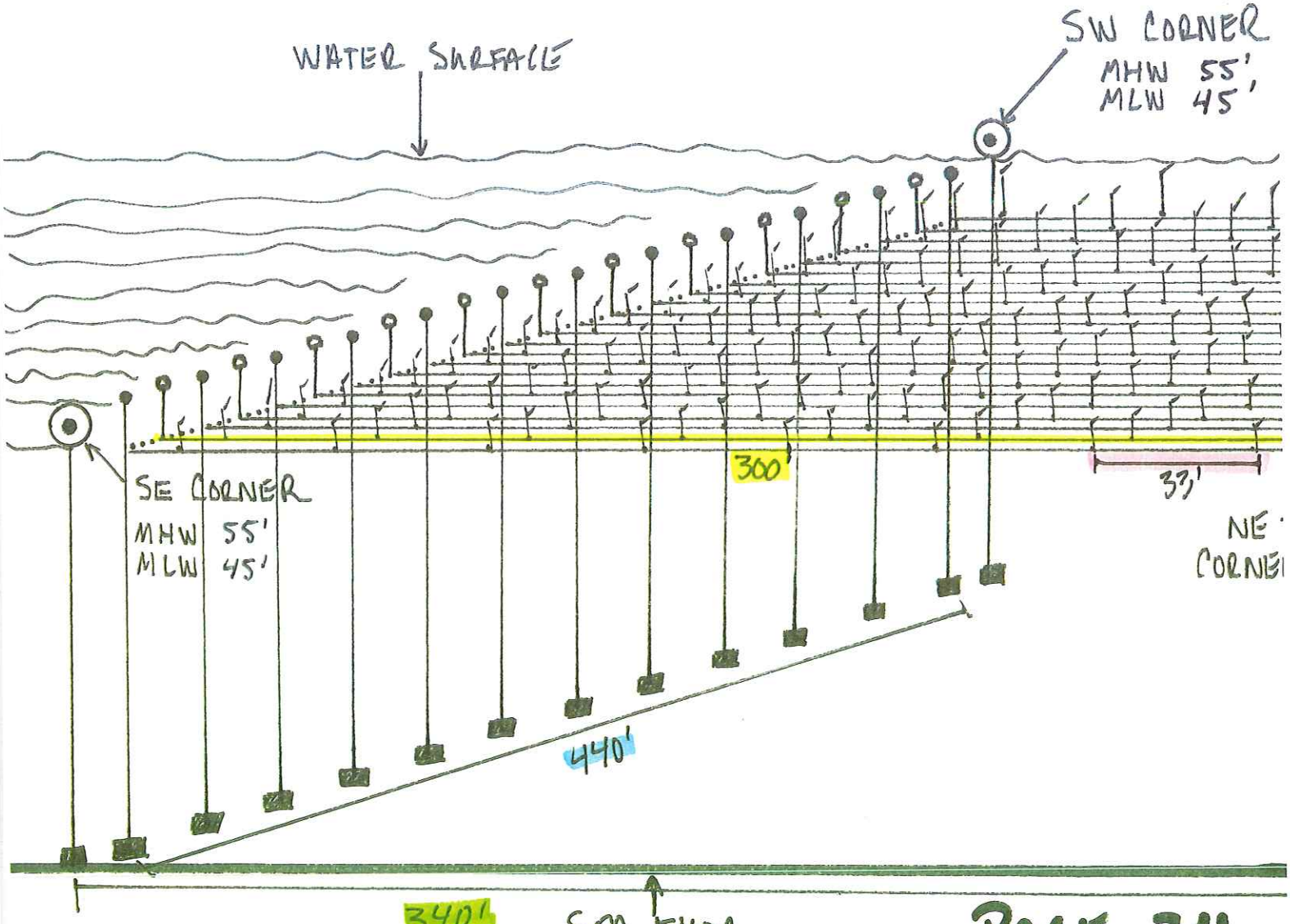
▬ = LENGTH OF MOORING ROW

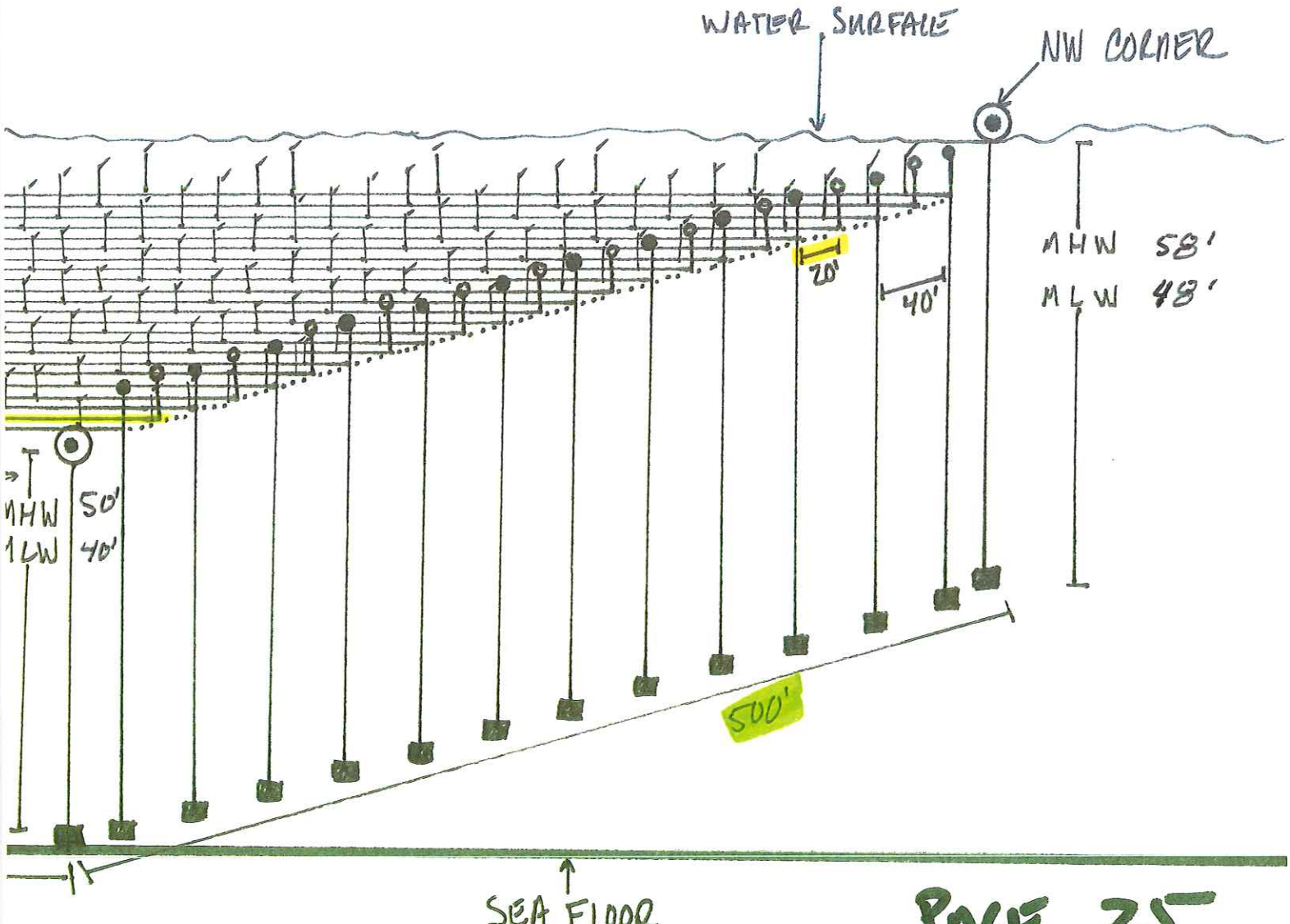
= DISTANCE BETWEEN MOORINGS

CROSS-SECTION VIEW:

NOV 1ST - JUNE 1

FROM QUESTION: 12 B




WATER SURFACE
NW CORNER
MHW 58'
MLW 48'
20'
40'
MHW
MLW
50'
40'
500'
SEA FLOOR

KEY FOR CROSS-SECTION VIEW:

◉ = CORNER MARKER

● = MOORING MARKER

○ = END OF LINE MARKER (NO MOORING)

| = DEPTH CONTROL BUOY

— = LONG LINE

... = BRIDLE LINE

■ = MOORING

| = MOORING LINE

= MEASUREMENT BETWEEN CORNER MARKERS

= DISTANCE BETWEEN LONG LINES

= DISTANCE BETWEEN DEPTH CONTROL BUOYS

= LENGTH OF LONG LINE

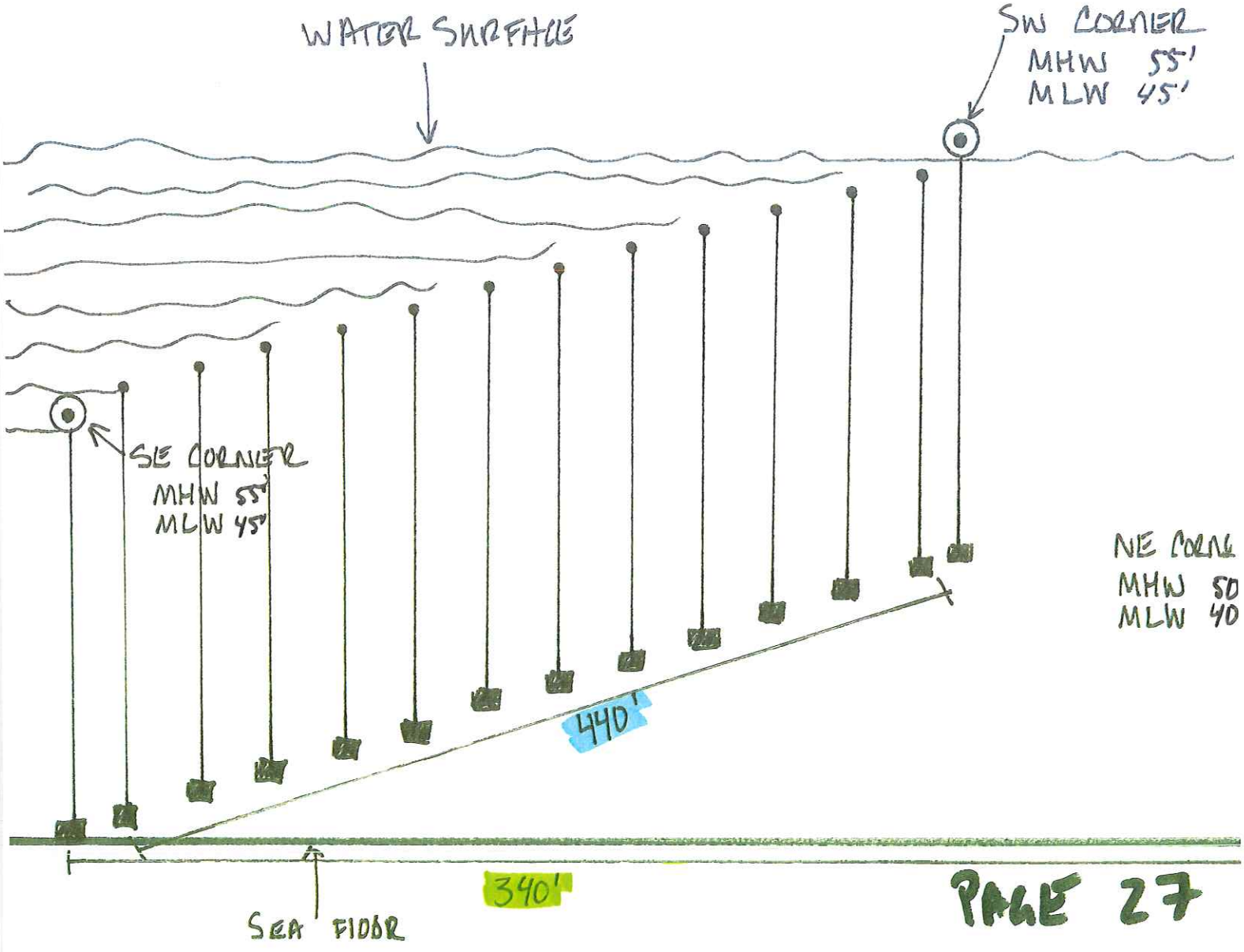
= LENGTH OF MOORING ROW

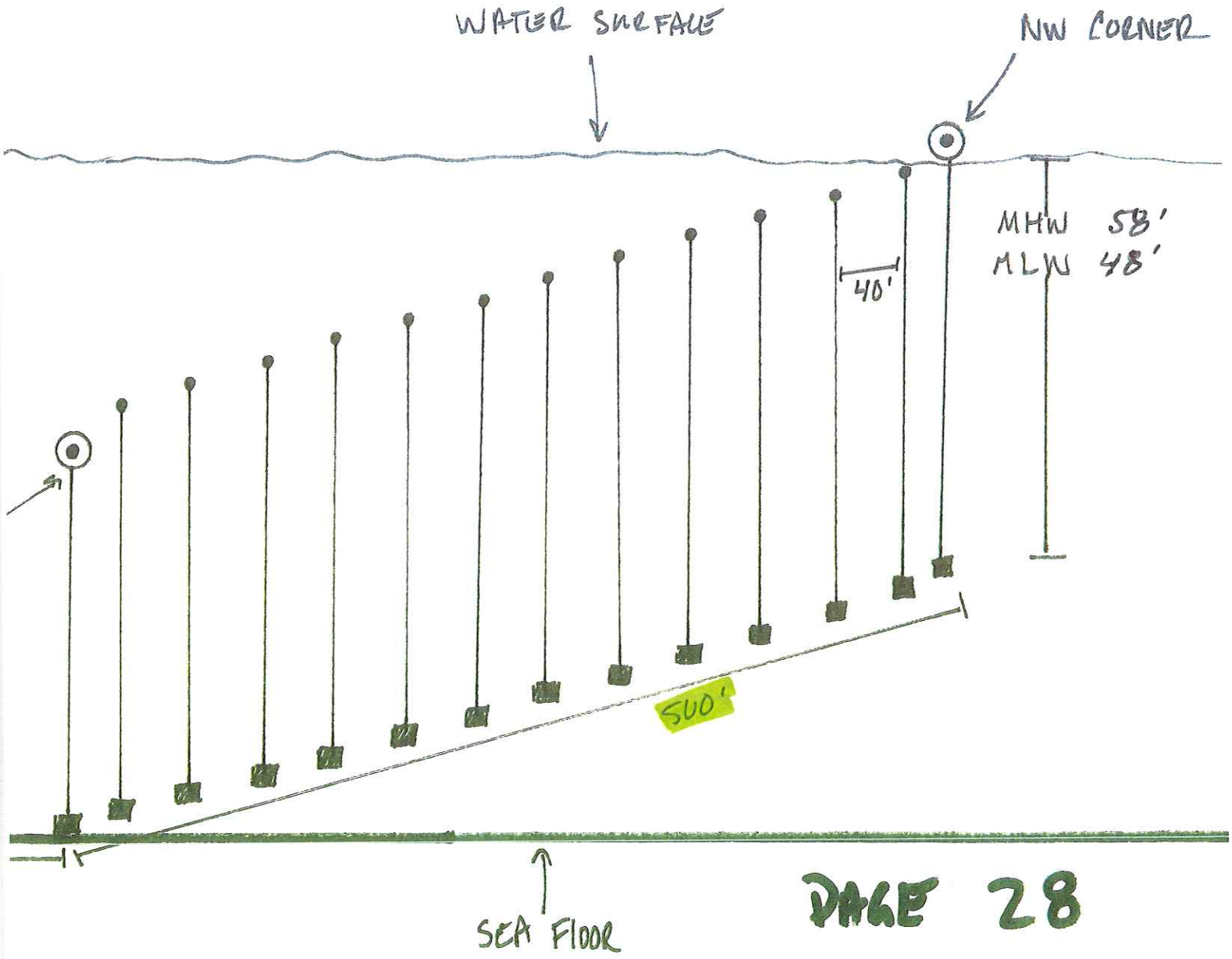
= DISTANCE BETWEEN MOORINGS

CROSS-SECTIONAL VIEW-

SEASONAL CHANGES: JUNE 1ST - NOV 1ST

FROM QUESTION: 12B




WATER SURFACE
NW CORNER
MHW 58'
MLW 48'
40'
500'
SEA FLOOR

KEY FOR CROSS-SECTION VIEW SEASONAL CHANGES:

= CORNER MARKER

= MOORING MARKER

= MOORING

= MOORING LINE

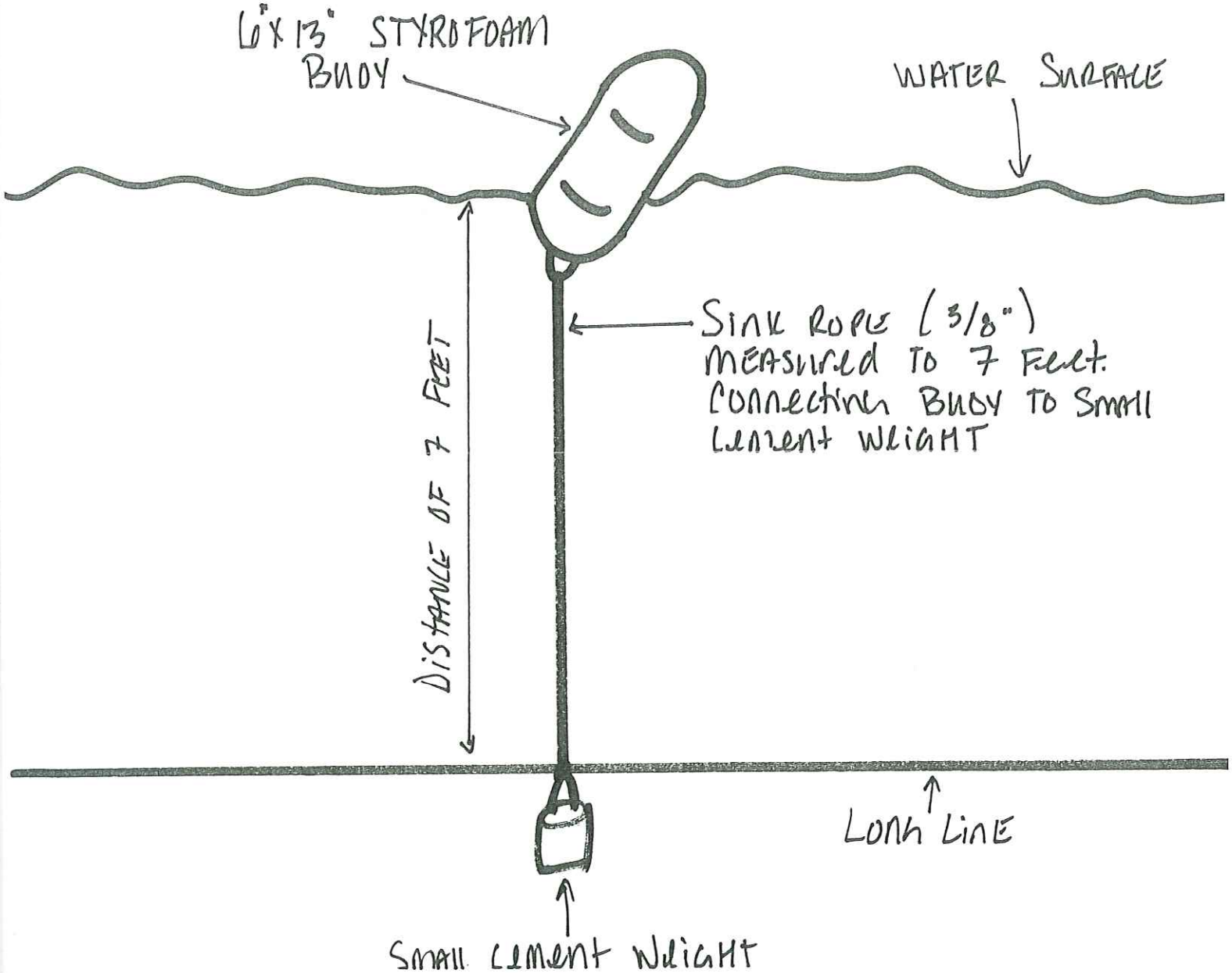
= MEASUREMENT BETWEEN CORNER MARKERS

= LENGTH OF MOORING ROW

= DISTANCE BETWEEN MOORINGS

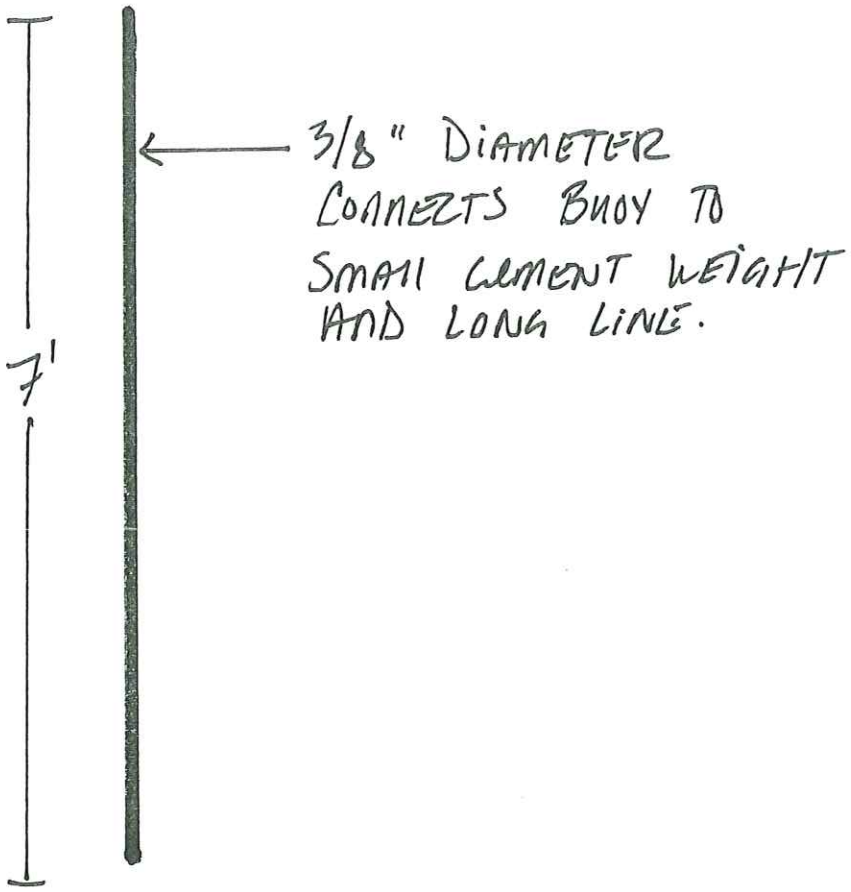
GEAR DRAWING - DEPTH CONTROL BUOYS:

FROM QUESTION 12A



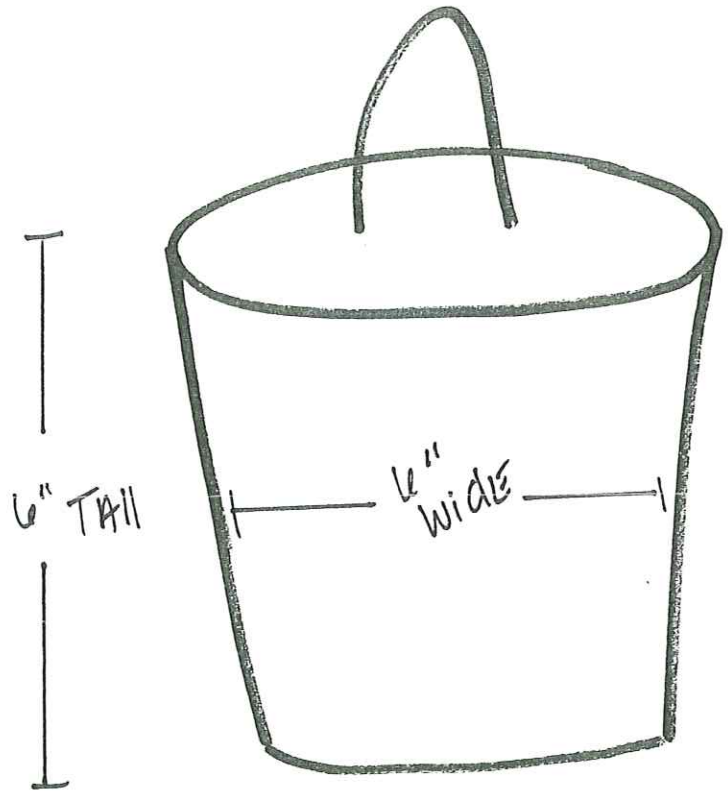
GEAR DRAWING - SINK ROPE FOR DEPTH CONTROL BUOYS:

FROM QUESTION: 120



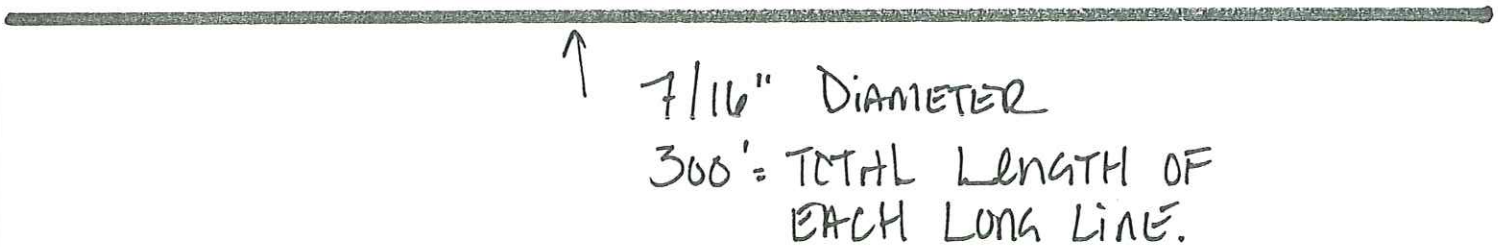
GEAR DRAWING - SMALL WEIGHT FOR DEPTH CONTROL BUOY:

FROM QUESTION: 12D



GEAR DRAWING - LONG LINE:

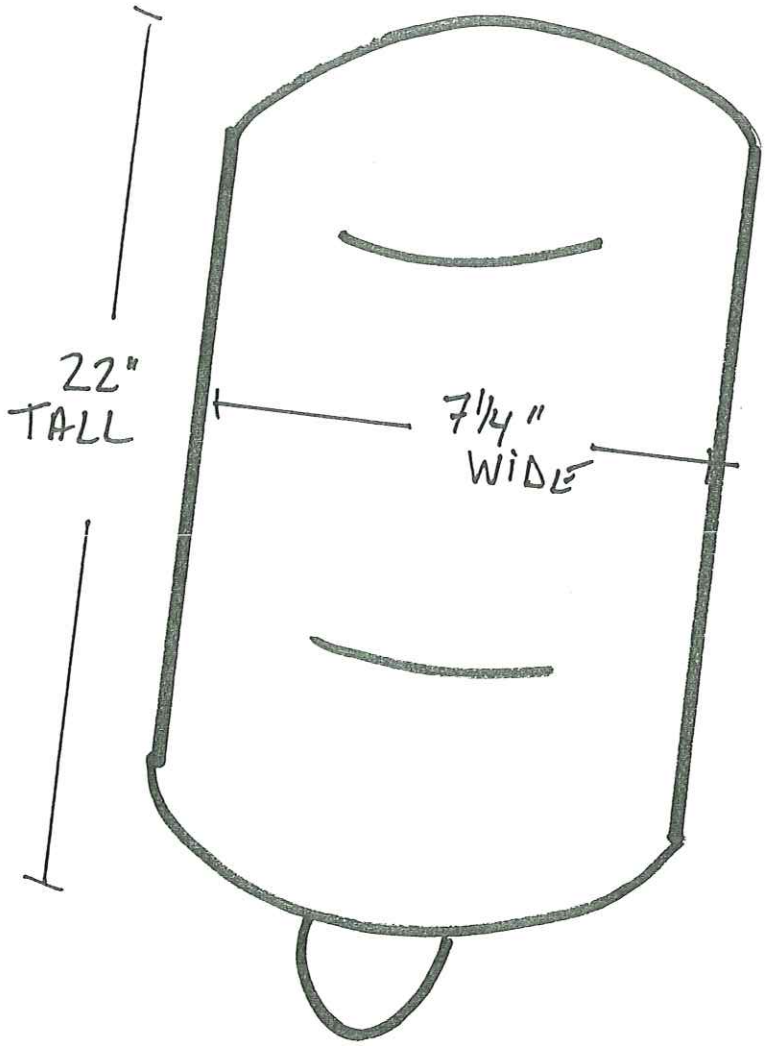
FROM QUESTION: 12 D



GEAR DRAWING - END OF LONG LINE MARKER BUOY:

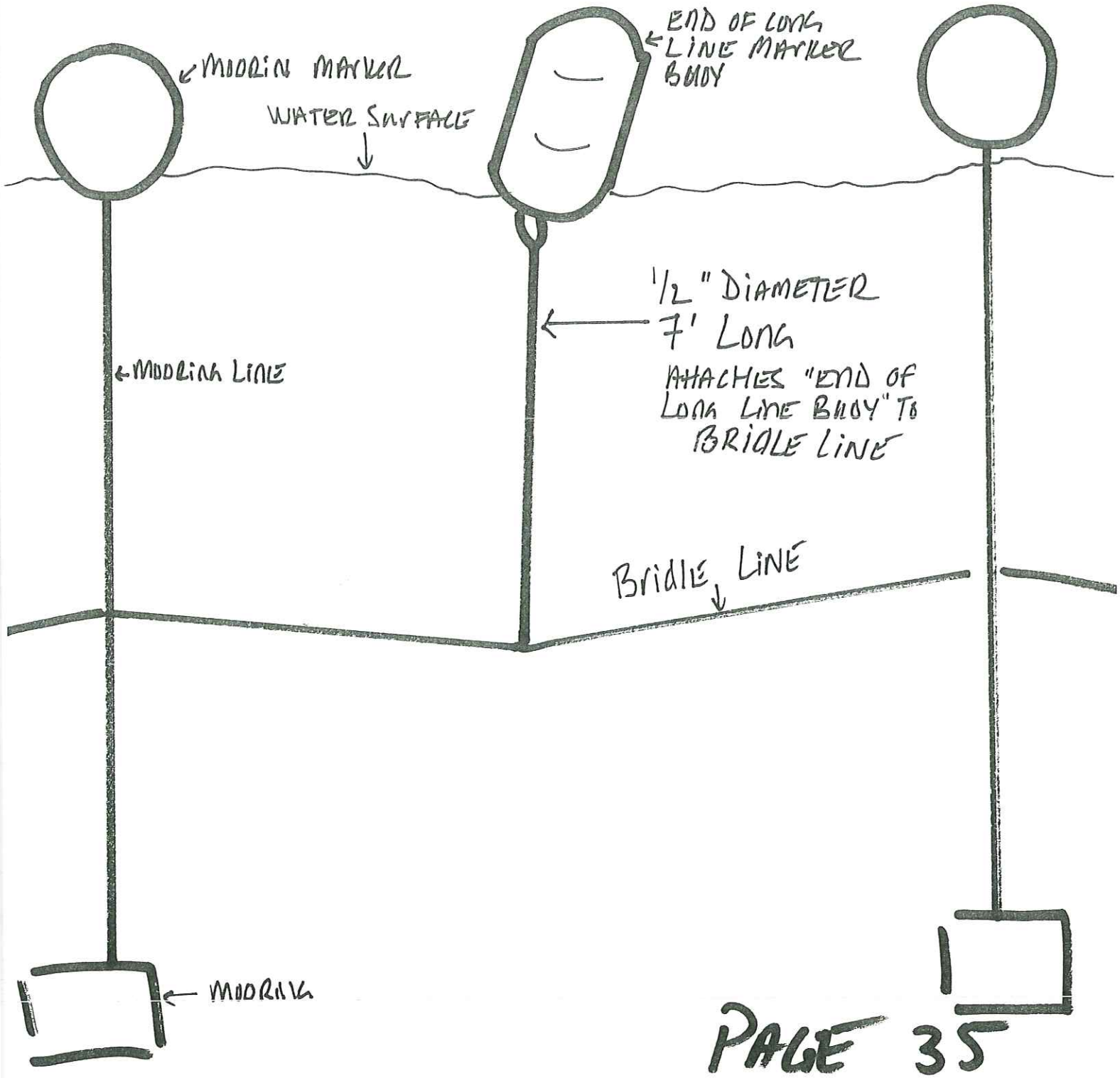
FROM QUESTION: 12D

HARDSHELL 60 DEEP BUOY



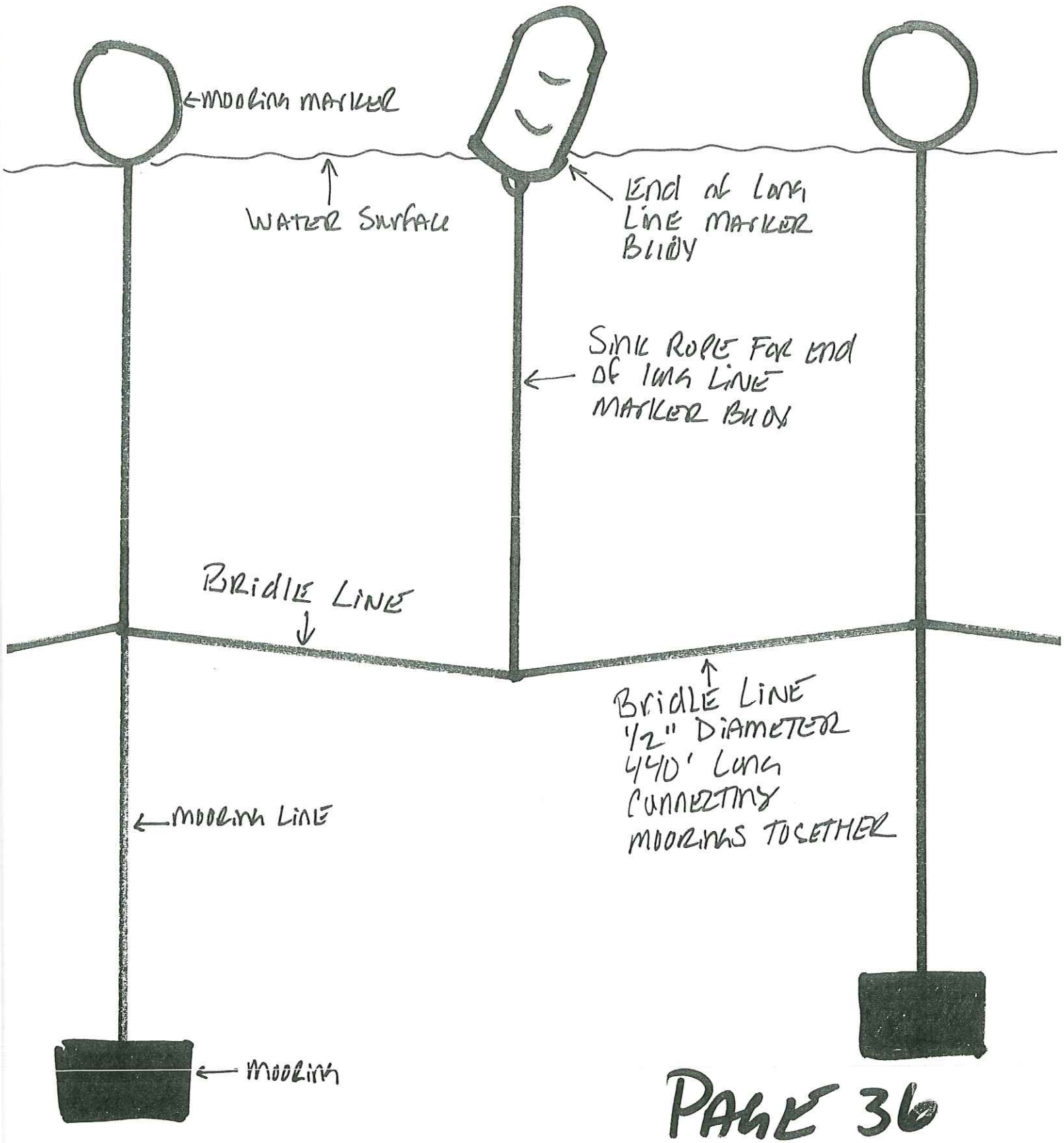
GEAR DRAWING- SINK ROPE FOR END OF LONG LINE MARKER BUOY:

FROM QUESTION: 120



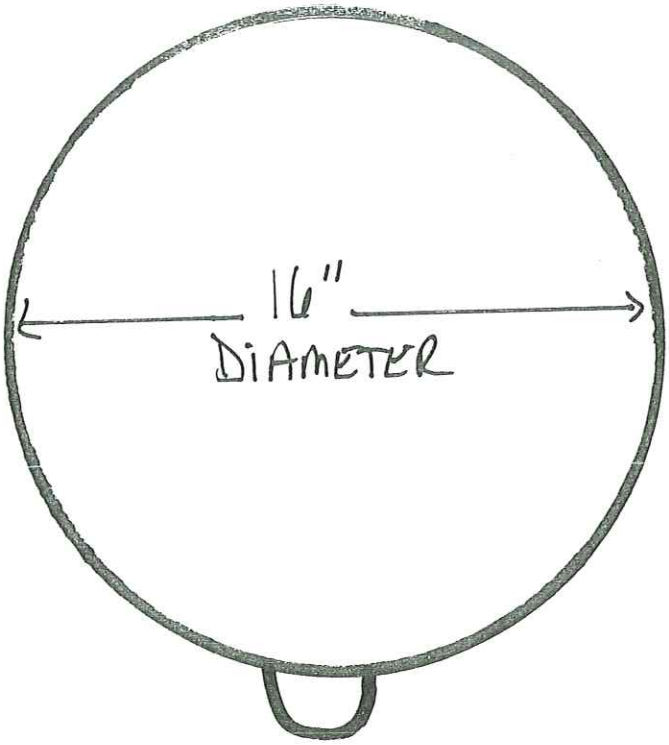
GEAR DRAWING - BRIDLE LINE:

FROM QUESTION 12D



GEAR DRAWING: MOORING MARKER:

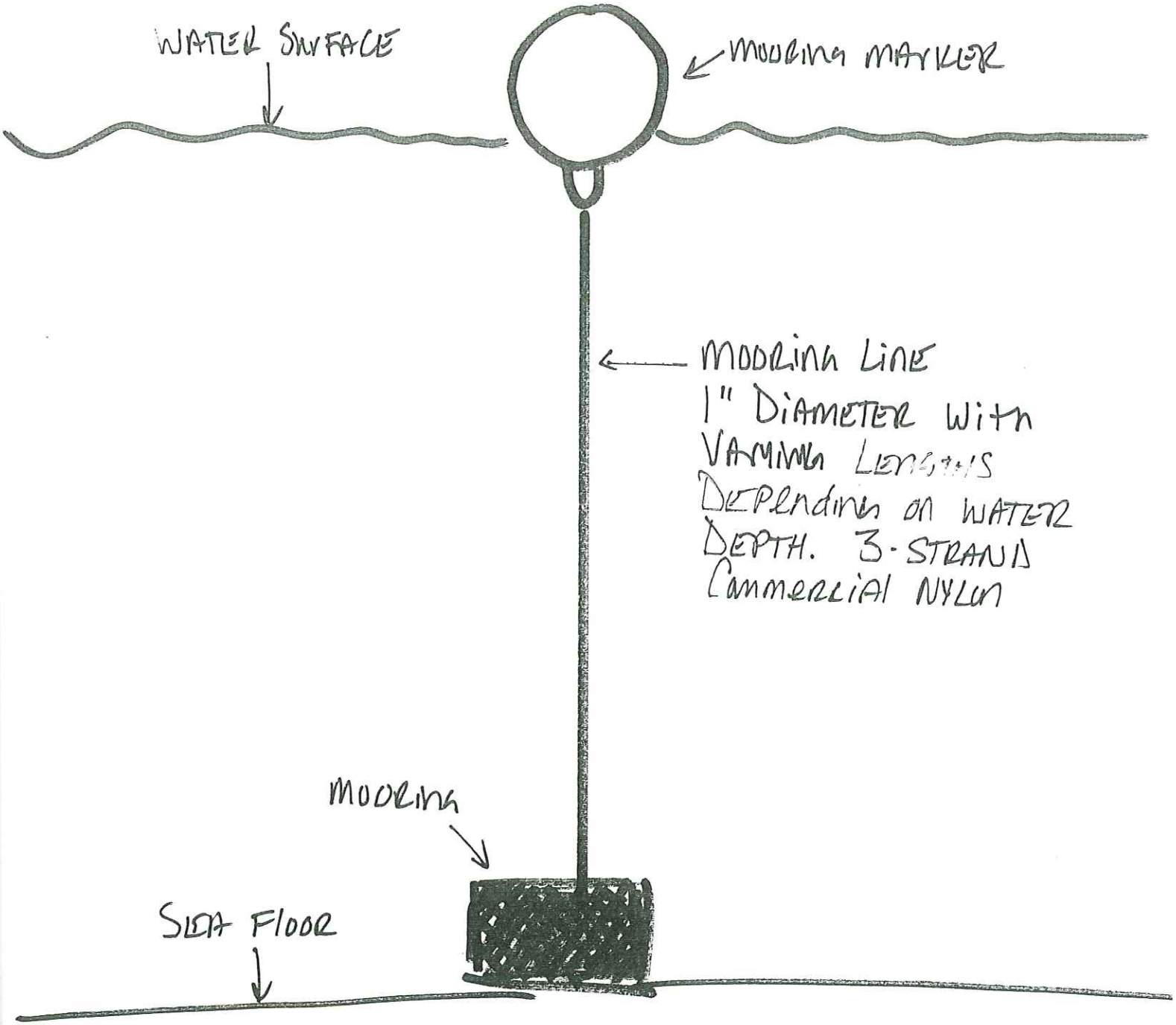
FROM QUESTION: 120



HARDSHELL GO DEEP

GEAR DRAWING - MOORING LINE:

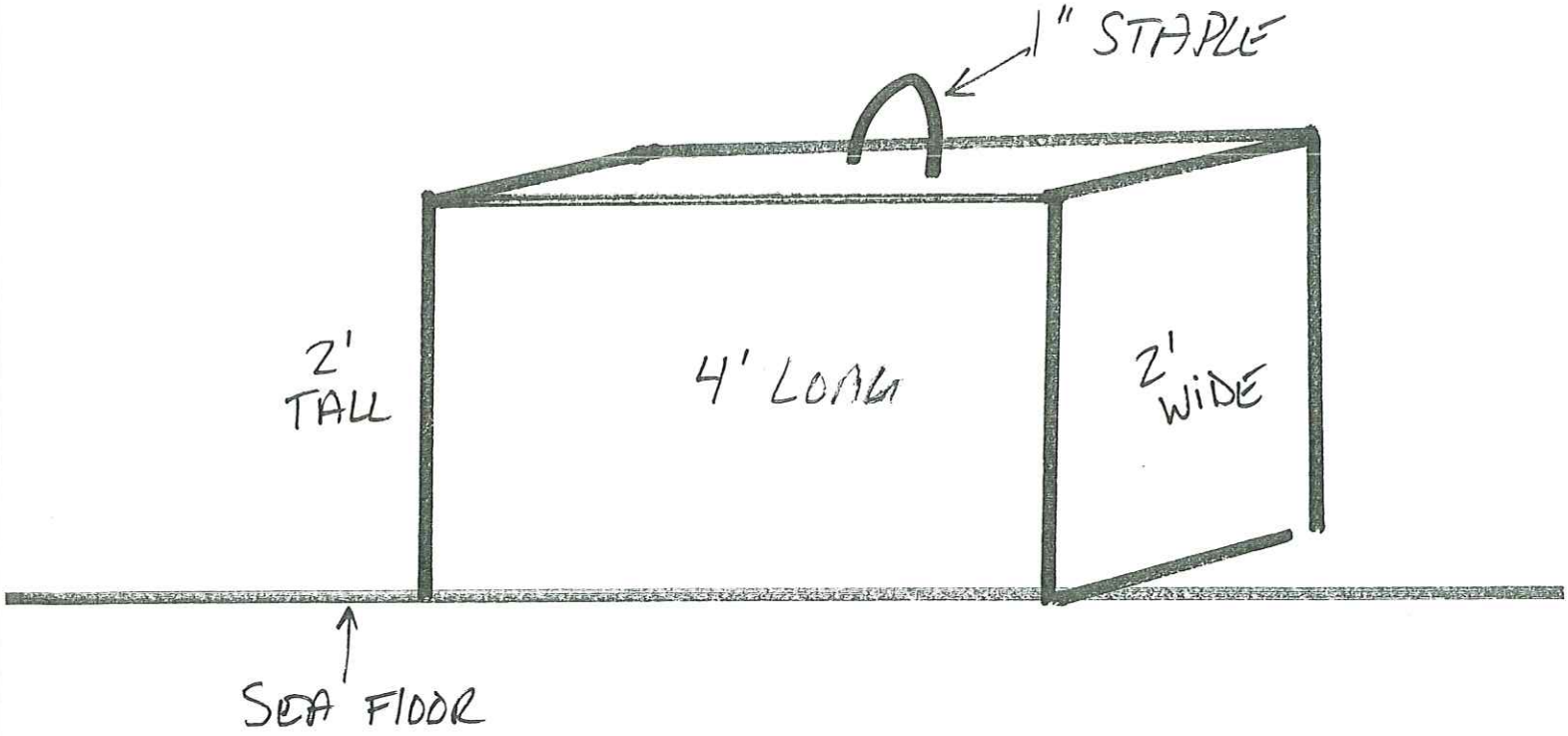
FROM QUESTION: 12D



GEAR DRAWING - MOORING:

FROM QUESTION: 12A

Concrete Block - 1,800 lbs



GEAR DRAWING: MOORING STAPLE:

FROM QUESTION: 12D