

**STANDARD LEASE APPLICATION: NON-DISCHARGE****1. APPLICANT CONTACT INFORMATION**

Applicant	Ferda Farms LLC		
Contact Person	Samuel Dorval		
Address	9 Pinefields Lane		
City	Brunswick		
State, Zip	Maine, 04011		
County	Cumberland		
Telephone	207-208-9707		
Email	ferdafarms@gmail.com		
Type of Application	<input checked="" type="checkbox"/> Draft Application <small>[submitted before scoping session session]</small>		<input type="checkbox"/> Final Application <small>[submitted after scoping session]</small>
Dates	Pre-Application Meeting: 6/15/21	Draft Application Submitted: 9/30/21	Scoping Session:
Payment Type	Draft Application: <input checked="" type="checkbox"/> Check (included) <input type="checkbox"/> Credit Card		Final Application: <input type="checkbox"/> Check (included) <input type="checkbox"/> Credit Card

**Note:** The email address you list here will be the primary means by which we will contact you. Please provide an email address that is checked regularly. If you do not use email, please leave this blank.

**2. PROPOSED LEASE SITE INFORMATION**

Location of Proposed Lease Site	
Town	Brunswick
Waterbody	New Meadows River
General Description (e.g. south of B Island)	East of Lower Coombs Island
Lease Information	
Total acreage requested (100-acre maximum)	2.33 Acres
Lease term requested (20-year maximum)	20 Years
Type of culture (check all that apply)	<input type="checkbox"/> Bottom (no gear) <input checked="" type="checkbox"/> Suspended (gear in the water and/or on the bottom)
Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Note:** If you selected yes, you need to complete the steps outlined in the section titled: "19. Landowner/Municipal Permission Requirements".

### 3. GROWING AREA DESIGNATION

Directions: Information for growing area designations can be found here:

<https://www.maine.gov/dmr/shellfish-sanitation-management/closures/index.html>

Growing Area Designation (e.g. WL):	WL
Growing Area Section (e.g. "A1"):	A1

**Note:** If you are proposing to grow molluscan shellfish in waters classified as anything other than open/approved, you will need to contact the Bureau of Public Health to discuss your plans at the following email: [DMRPublicHealthDiv@maine.gov](mailto:DMRPublicHealthDiv@maine.gov)

### 4. SPECIES 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. American Oyster, Crassostrea virginica	Mook Sea Farms Inc., 321 state rt. 129 Walpole, ME  Muscongus Bay Aquaculture Inc., PO Box 204, Bremen, ME	3,000,000
2. Hard Shell Clam/ Quahog, Mercenaria mercenaria	Muscongus Bay Aquaculture Inc., PO Box 204, Bremen, ME	3,000,000
3.		
4.		
5.		

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

If you answered “yes” please contact the Bureau of Public Health to discuss your plans at the following email: [DMRPublicHealthDiv@maine.gov](mailto:DMRPublicHealthDiv@maine.gov)

**Note:** If you are proposing to grow molluscan shellfish, this application also serves as your written operational plan as required in the National Shellfish Sanitation Program (NSSP) Model Ordinance Chapter 2 and must be maintained in your files. If you wish to submit an operational plan separate from this application, please contact: [DMRPublicHealthDiv@maine.gov](mailto:DMRPublicHealthDiv@maine.gov)

## 5. VICINITY MAP

**Note:** Please label as: 'Vicinity Map'.

**Directions:** Using a NOAA Chart or USGS topographic map, show the area within a minimum of one-half mile of the proposed lease site.

The map needs to display the following:

- The waters, shore lands, and lines of mean high and mean low water within the general area of the lease
- An arrow indicating true north
- A scale bar
- The approximate lease boundaries

## 6. BOUNDARY DRAWING

**Note:** Please label as: 'Boundary Drawing'.

**Directions:** Depict the boundaries of the proposed lease site. Provide a drawing with all corners, directions, and distances labeled. Provide coordinates for each corner as follows:

- Coordinate Description  
Provide geographic coordinates for each corner of the lease site in latitude and longitude as accurately as possible (e.g., to the nearest second or fraction of a second). Identify the datum from the map, chart, or GPS unit used to develop these coordinates. The datum will be shown on the map or chart you are using. The Coordinate Description may be provided separately from the Boundary Drawing.

## 7. SITE DEVELOPMENT

**Directions:** If your operations require the use of cages, nets, ropes, trays, or any object (structure) other than the organism to be grown directly on the bottom or buoys to mark the corners of the lease site, you must submit gear drawings and maximum structure schematics (information below). This section is intended to provide accurate plans depicting the physical structures to be placed in the proposed area. All dimensions need to be labeled with the appropriate units (i.e. 10ft, 10in). If you are proposing a bottom lease (no gear), please skip to question "F. Marking".

**Note:** You may embed the schematics within the document or attach them to the end of your application. If you attach the schematics, please label them according to the instructions provided below.

### A. Gear Information

**Directions:** Include a drawing of an individual piece of gear for each of the gear type(s) you plan to use. Include units referenced (i.e. 10in, 10ft, etc.).

1. Gear Drawing: Please include the following for each gear type that will hold organisms to be cultured (e.g. polar circles, marine algae longlines, oyster cages) and label as "Gear Drawing". This view must show the following:
  - Length, width, and height of each gear type.
2. Gear Table: List and describe each individual gear type that you will use in the table below. (e.g. polar circles, marine algae longline, oyster cages, moorings, mooring lines, buoys, etc.).

<b>Specific Gear Type</b> <i>(e.g. soft mesh bag)</i>	<b>Dimensions</b> <i>(e.g. 16"x20"x2")</i>	<b>Time of year gear will be deployed</b> <i>(e.g. Spring, Winter, etc.)</i>	<b>Maximum amount of this gear type that will be deployed on the site</b> <i>(i.e. 200)</i>	<b>Species that will be grown using this gear type</b>
OysterGro Cage	68"x 40"x 9"	All Year	586 Cages	Oyster, Hard Shell Clam
Mesh Bag	18.5"x 35" x 3"	All Year	3516 Mesh Bags	Oyster, Hard Shell Clam
Poly Ball	20..5"x 27"	Spring, Summer, Fall	8 Poly Balls	N/A
Overwintering Bottom Cage	40" x 40" x 16"	All Year	586 Bottoms Trays	Oyster, Hard Shell Clam
Oyster Condo	4.5"x 40"x 18"	Winter	586 Oyster Condos	Oyster, Hard Shell Clam
Winter Stick	80"x6"	Winter	8 Winter Sticks	N/A

**B. Maximum Structure and Mooring System Schematic**

**Directions:** Include drawings of your maximum gear layout. Include units referenced (i.e. 10in, 10ft, etc.).

1. Overhead View. Please include the following and label as "Overhead View":
  - Maximum layout of gear, including moorings.
  - Length and width of project.
  - Approximate spacing between gear.
  - Lease boundaries and the location of proposed corner markers and any additional gear markers that would be present.
  
2. Cross-Section View. Please include the following and label as "Cross-Section View":
  - The sea bottom.
  - Profile of gear in cross-section as it will be deployed.
  - Label gear with dimensions and materials.
  - Show mooring gear with mooring type, scope, hardware, and line type and size.
  - Depth of gear in relation to the water's surface at mean low water and mean high water (if applicable).

**Note:** Please include an additional Cross Section View, depicting the elements listed above, if there will be seasonal changes to gear layout (i.e. over wintering).

**C. On-Site Support Structures**

1. Describe structures such as barges, sheds, etc., to be located on-site. Provide a schematic and indicate the dimensions, including height above sea level, materials, etc.
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There will be a mooring in the proposed area that will include two floats, which will be 20'x22' feet in area. The floats will have 20 inches of freeboard above the water. On one of the floats, there will be a solar array support frame which is 8'x12'in area and 8' tall. Both the floats and solar array support frame are made of wood.
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2. Describe the storage and use of oil, gasoline, or other hazardous materials on site. If petroleum products are to be stored on site, provide a spill prevention plan.
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N/A
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**D. Gear Color**

Provide the color of the gear and structures proposed to be used at the lease site.

The color of our oyster gear will be black pontoons and cages. The poly balls marking the lease boundaries will be white. The work float and structure on top will be brown. In the winter, winter sticks that mark the boundaries of the lease site will be white.

**E. Equipment Layout**

Provide schematic or photographic renderings of the generalized layout of the equipment as depicted from two vantage points on the water. Provide the locations of the two vantage points.

**F. 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.

**Note:** If a lease is granted, you will also be required to mark the site in accordance with appropriate US Coast Guard Regulations. If you have questions about US Coast Guard Regulations contact: 1<sup>st</sup> Coast Guard District, Aids to Navigation Office ((617)-223-3293).

## 8. PRODUCTION ACTIVITIES

**Directions:** If you are cultivating more than one species, you will need to provide the following information for each species. Please attach additional pages if needed.

**A.** Please explain your proposed seeding activities. What months will seeding occur and how often will you be onsite to seed during this time.

Oyster and Quahog seed will be placed in .2mm mesh bags place in cages on the lease longlines. Once oyster seed is of size, approx. 8mm, it will be harvested, the densities split for optimal growth, and put into mesh bags on the longline or bottom cages. Quahog seed will continue to stay in mesh bags, with densities split once growth begins to accelerate. After quahog seed is of size, 8mm, it will be placed in mesh bags and put on the ocean floor to begin it grow out stage.

Seeding will occur when we receive the seed, usually in the month of June or July. We will be onsite deploying seed and putting it into the floating cages every day during those months.

**B.** Please explain your proposed tending/maintenance activities.

The oysters will stay in cage bags and bottom cages throughout the harvest process and be stored in bottom trays or sunken cages during the winter to protect from gear and product damage. Mesh size of bags and densities will be changed during this process. Quahogs will stay on the bottom sediment until they are of size to harvest. This lease site will be used to harvest market product to eventually be sold.

Cage longlines and bottom cages will be used when there is no ice, approx. March-January. Throughout the winter months, all cages will be sunk to the bottom with oysters staying in the bags. We will sink both market product and seed.

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

We will be on our site every day for routine maintenance and checkups. We see it to be very important to keep track of all equipment and to ensure it is safe in all aspects.

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

To harvest product from cages, we will bring a boat alongside them and flip the cages into de-fouling position. Bags will be slid out and put into the boat. Product will then be culled and washed off on a float to ensure quality product before sale. Quahogs of market size will be harvested by retrieving mesh bags from the ocean floor with the boat davit and put into the boat. Once in the boat, the quahogs will also be washed and culled on the float just as the oysters are.

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

We will be onsite daily during harvesting periods to process both oysters and quahogs. Harvesting takes place from February to December.

**F.** Will gear be on the site year-round?  Yes  No

**G.** 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 removed from the site.

We plan to remove gear from the surface of the site for the winter. Winter sticks will replace poly balls, floating cages will be sunk with the mesh bags and oysters in them, being left on the bottom sediment until Spring. Additionally, overwintering cages and condos will be deployed to make room for oysters and quahogs in the winter as well. Gear removed from the site will be stored at 9 Pinefields Lane or another storage shed in Brunswick. Some market shellfish from the site will be transported to an LPA for winter access due to no ice.

**H.** 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.

N/A



## 9. NOISE AND LIGHT

**Directions:** If a question does not pertain to your proposed operations, please write "**not applicable**" or "N/A".

**A.** What type of boats will be used on the site? When and how often will these vessels be on the site?

There will be two boats used on the site. First, a 19-foot Carolina Skiff that will be used on the site every day, helping with all operations. Second, a 21-foot fiberglass skiff that will be used to transport product and gear to and from the lease to other existing LPAs. This skiff will also be on site every day.

**B.** What type of powered equipment (e.g. generator, power washer, grading equipment, barges, etc.) will be used on the site? When and how often will the equipment be used?

Machinery that will be used on the site includes an oyster tumbler, wash down pump, 600-watt tarp motor, and submerged bilge pump. The tarp motor is located on top of the tumbler and spins the PVC pipe mounted inside. These are powered by solar panels, connected to a battery pack. The machinery will be used when the oysters are tumbled or culled, around 5 days out of the week, and about 8 hours per day.

Both boat engines, used daily, will also make noise but are quiet 4-stroke Yamaha engines.

**C.** Specify how you intend to reduce noise levels from the boats and other powered equipment.

To reduce noise from the powered equipment on the proposed site, equipment will be run off batteries powered by solar panels, which are quiet, rather than generators. To reduce noise on the boats, there will be no generators or hydraulics on the vessels. The only noise they will give off is from the quiet four stroke Yamaha motors.

**D.** Provide the number, type (whether fixtures are shielded), wattage and location of lights, other than those used for navigation or marking, that will be used at the proposed lease site.

While working onsite before or beyond daylight hours, we will be using headlamps as a source of light. The headlamps will have a 4 watt LED bulb and there will be a maximum of 3 lights at one time.

**E.** Indicate under what circumstances you might work at your site beyond daylight hours.

Our access to the site is dependent on the tide. From the dock where we launch, there is mud two hours before and after low tide. On harvesting days, we might be working before daylight if the tide is in the morning, and we need to get product to market mid-day.

## 10. CURRENT OPERATIONS

**Directions:** If a question does not pertain to your proposed operations, please write "**not applicable**" or "N/A".

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

Our current aquaculture operations currently exist of 10 LPAs with floating bags and cages. We have a total of 140 cages with 6 bags per, totaling 840 bags. Within the 10 LPAs, we currently have a total of 800,000 oysters, a mixture of seed and market, and 80,000 quahog seed.

Current LPA acronyms include CBUR119, CBUR219, CBUR319, CBUR420, MBUR520, MBUR620, MBUR720, MBUR820, SDOR120, SDOR220.

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

Existing LPAs in the proposed lease site will be relinquished. (MBUR520, MBUR620, MBUR720, MBUR820) LPAs that are not within the area of the proposed lease will continue to be held as nurse sites for oysters and quahogs.

## 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?

The depth at mean low water for the Northern tract is 12 feet. The depth at mean low water for the Southern tract is 7 feet.

**B.** What are the approximate depths at mean high water?

The depth at mean high water for the Northern tract is 24 feet. The depth at mean high water for the Southern tract is 19 feet.

**C.** Provide the approximate current speed and direction during the ebb and flow.

The current speed is 2 feet per second South to North during ebb, and 2 feet per second North to South during flow.

**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.)?

The bottom characteristics of the proposed lease site is 6 inches of soft sediment.

**2.** Describe the bottom topography (flat, steep rough, etc.).

The bottom topography of the North tract is a gradual upward slope towards the sandbar to the West and the bottom topography of the South tract is a gradual upward slope towards the sandbar to the East.

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?
Based on test dives, we have found no significant abundance of marine species. Occasionally, hermit crabs and snails can be seen beneath the site.
4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.
There are softshell clam beds south of the proposed site at Indian Rest.
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 have been no sightings of aquatic vegetation in the proposed lease site or in the surrounding area. Our last test dive was in November, 2020.
6. Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)
The general shoreline is rocky and forested. There is one summertime residence on Lower Coombs Island that is only inhabited with periodic use through the months of June-September

<p>E. Is your proposed lease located within a Maine Department of Inland Fisheries and Wildlife designated Essential Habitat?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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**Note:** The location of Essential Habitats in the State of Maine, along with information on how projects within these areas are reviewed, can be found here: <https://www.maine.gov/ifw/fish-wildlife/wildlife/endangered-threatened-species/essential-wildlife-habitat/index.html>

***If a project is located within an Essential Habitat,*** applicants are strongly encouraged to contact the MDIFW Environmental Review Coordinator ([John.Perry@maine.gov](mailto:John.Perry@maine.gov), phone: 207-287-5254) prior to application submission.

## 12. EXISTING USES

<p><b>A.</b> 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.</p>
<p><b>1. Commercial Fishing</b></p>
<p>Commercial fishing can be seen from the proposed site. There are lobster traps approximately 100 feet to the southeast of the southern tract. Seining boats can be seen towards the Northern end of Bombazine Island but not near the proposed lease area. Both lobstering and seining take place from March to late fall in November and almost daily during these times.</p>
<p><b>2. Recreational Fishing</b></p>
<p>Recreational fishing for striped bass is seen all around the New Meadows and not in one defined location. Our proposed site will include channels between the cage lines, as well as, between the cages and float, which will not deny access to anyone trying to fish. Recreational fishing takes place in early spring to late fall, with fishing taking place daily. During the winter months there is no fishing due to ice flows that cover the area.</p>
<p><b>3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)</b></p>
<p>Boaters commute through the channel to the South and East of the proposed lease area in the navigable channel coming through the Gurnet Bridge to the main channel North of Bombazine. Through the channel, boats commute from early spring to late fall daily. The distance from the Southern tract to the navigable channel at low tide is 300 feet. The distance from the Northern tract to the navigatble channel at low tide is 300 feet.</p>
<p><b>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.)</b></p>
<p>There is a dock located on the Southern end of Lower Coombs Island which is used by riparians of the island. There are also boat moorings located to the South of the Southern tract used by riparians on Indian Rest. Both the dock and moorings are used daily from late Spring to early Fall. On the Northeast side of Lower Coombs Island is a landing for the Brunswick Topsham Land Trust, which is approached by kayakers once in a while.</p>
<p><b>5. Other uses (kayaking, swimming, etc.)</b></p>
<p>Kayaking tours are popular during the summer months, which include our current LPAs as one of the first stops. The kayakers are very friendly, and we encourage them to paddle up to our gear to look. The channels in-between the long lines give kayakers space to maneuver. The tours take place sporadically from late Spring to early Fall.</p>
<p><b>B.</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 the proposed lease.</p>

There is a private dock located on the southern end of Lower Coombs Island which is located 403' away. There are also private moorings located 485', 279' and 490' away.

C. Are there public beaches, parks, docking facilities or federally, state, or municipally conserved lands within 1,000 feet of the proposed lease site? If yes, please describe and include approximate distances from proposed lease.

Both Upper and Lower Coombs Island are located within 1000 feet of the proposed lease site. Both islands are conserved easements by the Brunswick-Topsham Land Trust. Upper Coombs Island is located approximately 830 feet from the proposed lease. Lower Coombs Island is located approximately 120 feet from the proposed lease.

There are not any beaches or public boat ramps close to the proposed lease area.

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>

There are 6 LPA's located within 1000 feet of the proposed area. These LPA's are MBUR520, MBUR620, MBUR720, MBUR820, PGRA216 and PGRA316.

### 13. 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.

We ask that commercial dragging and dredging for any bottom species be excluded from the lease site due to gear damage prevention. We do not see this being a problem since there are no bottom species. Furthermore, we also ask that commercial fishing and lobstering be limited to the channels between our cage longlines and not in-between cages or gear. Recreational diving should be excluded as well, due to liability issues if the diver gets hurt. Other recreational activities such as kayaking, canoeing, and paddle-boarding will all be allowed.

## 14. RIPARIAN LANDOWNERS AND SITE ACCESS

**A.** If your lease is within 1,000ft of shorefront land (**which extends to mean low water or 1,650 ft. from shore, whichever is less, according to NOAA charts**), the following supporting documents are required:

1. A labeled copy of a tax map(s) depicting the location of the proposed lease site and including the following elements:
  - Label the map "Tax Map: Town of (name of town)."
  - Legible scale
  - Tax lot numbers clearly displayed
  - The boundaries of the proposed lease
2. Please use the Riparian Landowner List (included on the next page) to list the name and address of every shorefront landowner within 1,000ft of the proposed lease site. Have the tax collector or clerk of the municipality certify the list. Refer to the riparian determination guidance document to ensure all riparian landowners are included:  
<https://www.maine.gov/dmr/aquaculture/forms/documents/RiparianDetermination.pdf>
3. If any portion of the site is intertidal, you need to complete the steps outlined in the section titled: "19. Landowner/Municipal Permission Requirements".

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

Yes     No

**Note:** If you selected yes, you will need to complete the landowner permission requirements included in "19. Landowner/Municipal Permission Requirements" of this application.

**C.** How will you access the proposed site?

We will access the proposed site by boat, launching from 9 Pinefields Lane or a public boat launch and driving to the site.

**D.** How will your proposed activities affect riparian ingress and egress?

Our proposed activities will not affect riparian ingress or egress. On the proposed sites, corridors between the longlines and cages will allow vessels or kayakers to travel through. Additionally, both proposed sites are out of the way of the channel and main navigation path for vessels. The Southern tract has been cut down from previous application to allow for navigation of the secondary channel, as well as access to the shore of Lower Coombs Island.

**RIPARIAN LANDOWNER LIST**

*\*THIS LIST MUST BE **CERTIFIED**\**

On this list, please show the current landowners' names and mailing addresses as listed in the municipal tax records for all riparian shorefront parcels within 1,000 feet of the proposed lease site along with the map and lot number for each parcel. **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 the parcels are within more than one municipality, provide a separate, certified riparian list for each municipality.

**TOWN OF:** \_\_\_\_\_

<b>MAP #</b>	<b>LOT #</b>	<b>Landowner name(s) and address(es)</b>

**Please use additional sheets if necessary and attach hereto.**

**CERTIFICATION**

I, \_\_\_\_\_, Town Clerk for the Town of \_\_\_\_\_ 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:** \_\_\_\_\_ **DATE:** \_\_\_\_\_



## 15. TECHNICAL CAPABILITY

Provide information regarding professional expertise. Attaching resume or documentation of practical experience necessary to accomplish the proposed project would satisfy this requirement.
Sam Dorval - Resume Attached
Chris Burtis- I've farmed oysters in this area since 2018. My business partners and I have had 10 LPAs within a mile of each other. We're applying for a standard lease to concentrate the area of our LPAs to one place to improve efficiencies.
Max Burtis - Resume Attached

## 16. FINANCIAL CAPABILITY

### A. Financial Capability

Please provide documentation to show you have the financial resources to implement the proposal. For example, you may submit a letter from a financial institution or funding agency indicating that you have an account in good standing, or their willingness to commit funds.  <b>Note:</b> Any financial information you submit with your application is part of the public record. Please exercise discretion when submitting financial information.
Financial document attached.

### B. Cost Estimates

Please provide cost estimates of the proposed aquaculture activities.
Estimate for maximum gear on lease: Cages and cage insert \$170,000 Boats/rafts/etc. \$50,000 Misc. items (gas, seed, mooring tackle, labor, etc.) \$ 100,000  Total \$320,000

**17. ESCROW ACCOUNT OR PERFORMANCE BOND**

Check the category that describes your operation:

Check Here	Lease Category	Amount of Required Escrow or Performance Bond
<input type="checkbox"/>	No gear/structure, no discharge	\$500.00
<input type="checkbox"/>	No gear/structure, discharge	\$500.00
<input type="checkbox"/>	≤ 400 square feet of gear/structure, no discharge	\$1,500.00
<input checked="" type="checkbox"/>	>400 square feet of gear/structure, no discharge	\$5,000.00*
<input type="checkbox"/>	Gear/Structure, discharge	\$25,000.00

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

I, *(printed name of applicant)* \_\_\_\_\_ have read DMR Aquaculture Regulations Chapter 2.64(10) (D) and if this proposed lease is granted by DMR, I will either open an escrow account or obtain a performance bond, in the amount determined by the lease category.

\_\_\_\_\_  
**Applicant Signature**

\_\_\_\_\_  
**Date**

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

**ADDITIONAL APPLICANTS:** Each applicant must sign this section indicating that they will open an escrow account or obtain a performance bond. Use the space below for additional persons listed on the application. You may attach additional pages, if necessary.

I, *(printed name of applicant)* \_\_\_\_\_ have read DMR Aquaculture Regulations Chapter 2.64(10) (D) and if this proposed lease is granted by DMR, I will either open an escrow account or obtain a performance bond, in the amount determined by the lease category.

\_\_\_\_\_  
**Applicant Signature**

\_\_\_\_\_  
**Date**

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

## 18. 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 standard lease process.

Printed name: \_\_\_\_\_

Title (*if corporate applicant*): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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.

### Note:

- All applicants must sign and date this page. Please use the space below, if additional signatures are required.
- Corporate applicants, please be sure to include the title(s) (i.e. President, Treasurer, etc.) of the individual(s) signing on the company's behalf.

### Additional Applicant:

Printed name: \_\_\_\_\_

Title (*if corporate applicant*): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**19. LANDOWNER/MUNICIPAL PERMISSION REQUIREMENTS (if applicable)**

**Directions:** If any portion of the site is intertidal, you need to complete the steps outlined below.

**Step I: Obtain written permission from all intertidal landowners.**

Pursuant to DMR Regulations Chapter 2.10(3)(G) the Department requires *written permission of every owner of intertidal land in, on, or over which the activity will occur*. It is your responsibility to obtain written permission and include it with your application materials. Please note that the Department does not provide forms for landowner permission.

**Step II: Determine if the municipality where your site is located has a shellfish conservation program.**

Pursuant to 12 MRSA §6072(3) *In any municipality with a shellfish conservation program under section 6671, the Commissioner may not lease areas in the **intertidal zone** within the municipality without the consent of the municipal officers.*

If the municipality where the proposed lease site is located has a shellfish conservation program, it is your responsibility to obtain consent for the proposed lease site from the municipal officers (i.e. the selectmen or councilors of the town, or the mayor and aldermen or councilors of a city.) Consent means a majority vote of the municipal officers as recorded in a public meeting.

It is your responsibility to contact the municipality and determine if they have a shellfish conservation program. Best practices would include discussing your plans with shellfish committee members, but only the consent of municipal officers is required.

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.

1, JJ

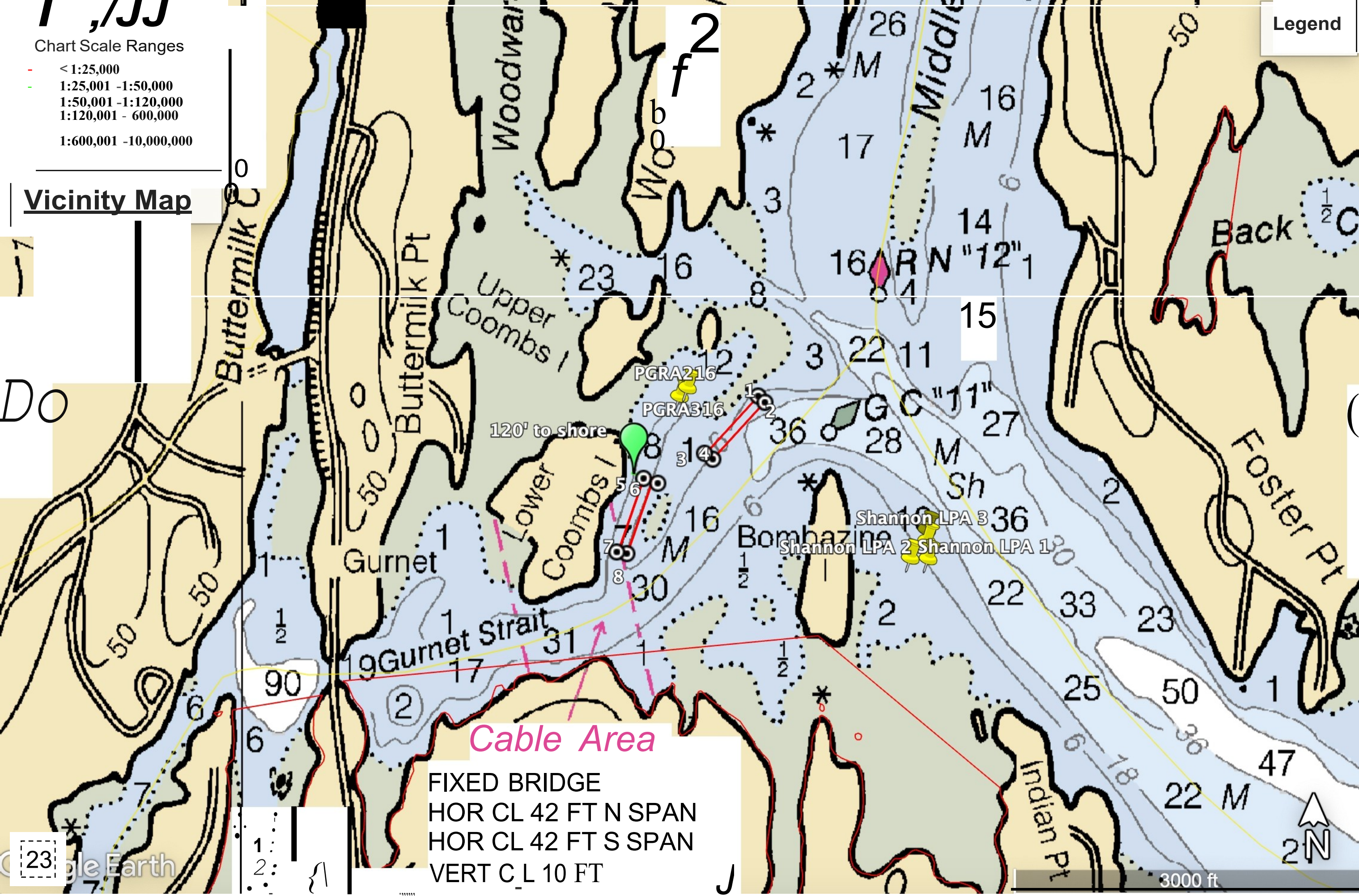
Chart Scale Ranges

- < 1:25,000
- 1:25,001 - 1:50,000
- 1:50,001 - 1:120,000
- 1:120,001 - 600,000
- 1:600,001 - 10,000,000

Legend

Vicinity Map

Do



### Cable Area

FIXED BRIDGE  
 HOR CL 42 FT N SPAN  
 HOR CL 42 FT S SPAN  
 VERT C\_L 10 FT

23 Google Earth

3000 ft



# Boundary Drawing

North Tract 1.14ac

- 1.) 43°51'53.17"N, 69°53'59.44"W
- 2.) 43°51'52.63"N, 69°53'58.64"W
- 3.) 43°51'48.36"N, 69°54'5.55"W
- 4.) 43°51'47.84"N, 69°54'4.75"W

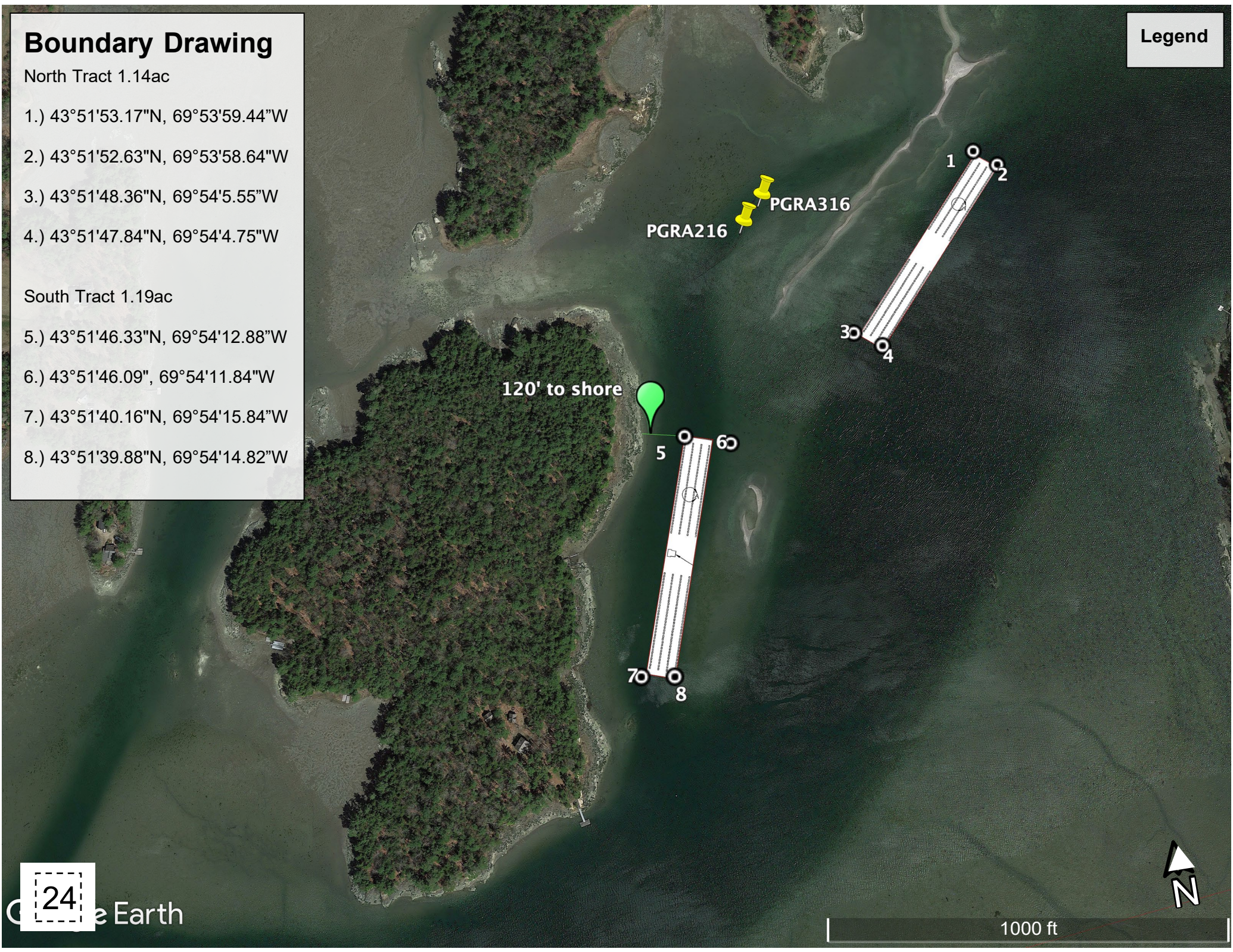
South Tract 1.19ac

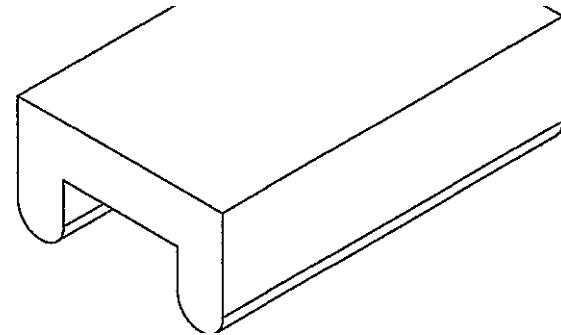
- 5.) 43°51'46.33"N, 69°54'12.88"W
- 6.) 43°51'46.09", 69°54'11.84"W
- 7.) 43°51'40.16"N, 69°54'15.84"W
- 8.) 43°51'39.88"N, 69°54'14.82"W

Legend

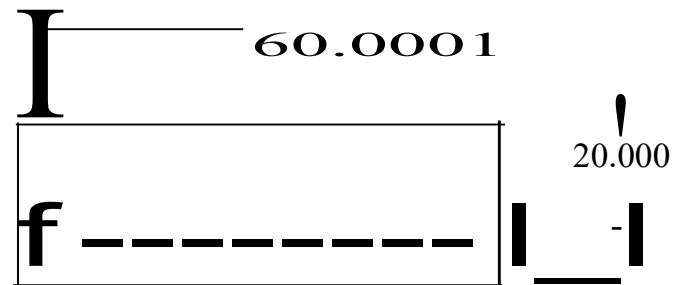
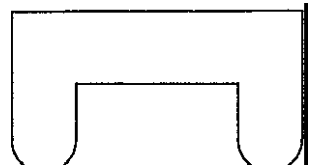
PGRA216  
PGRA316

120' to shore





136.0001



UNLESS SPECIFIED  
OTHERWISE  
DIMENSIONS IN INCHES  
TOLERANCES  
THREE PLACES+ .003  
ANGLES: . . . .

FERDA FARMS LLC	mL8	OYSTER GRO CAGE
9 PINEFIELDS LN, BRUNSWICK, ME 04011	MATERIAL: WIRE MESH/PLASTIC	REV.:
	DRAWN BY: M_BURTIS	DATE: 3/17/2020
	SHEET: 1 of 1	SIZE: <b>A</b> SCALE: 1:24 PART NO.:

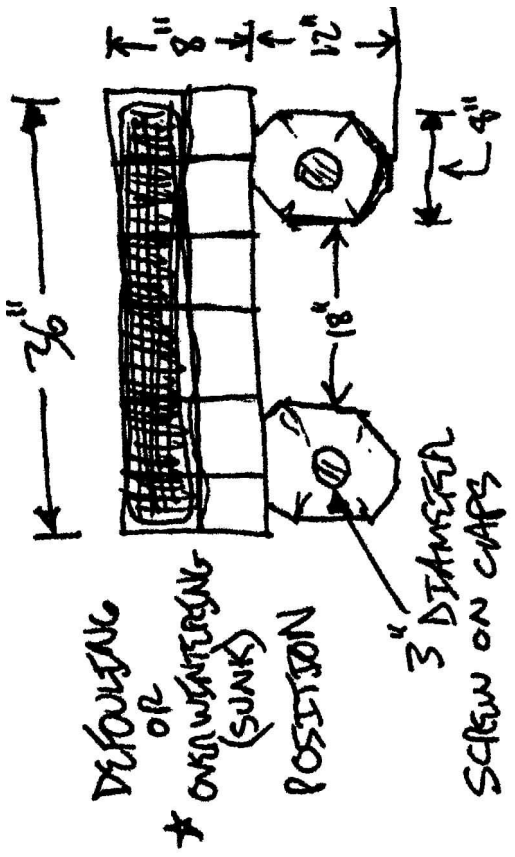
OYSTER



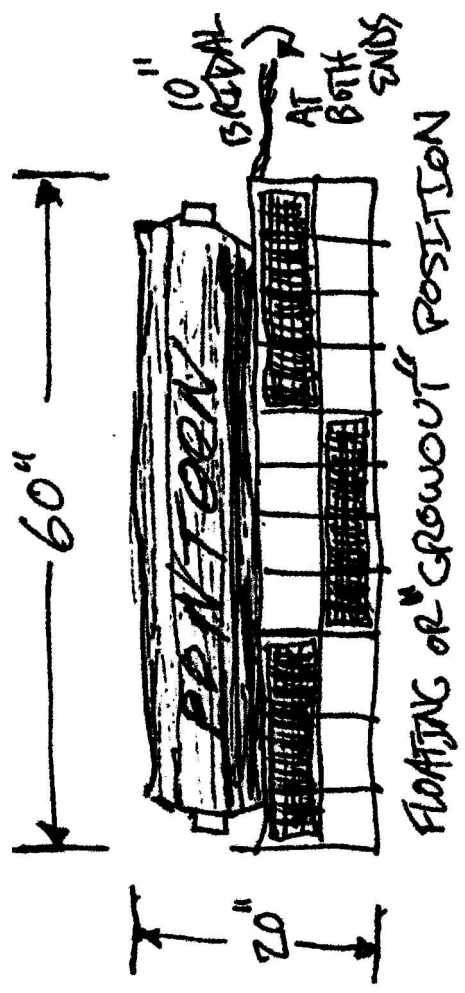
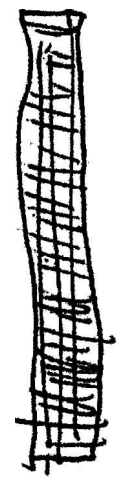
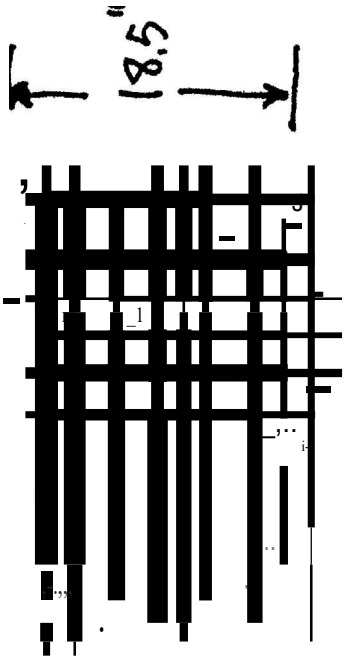
\*

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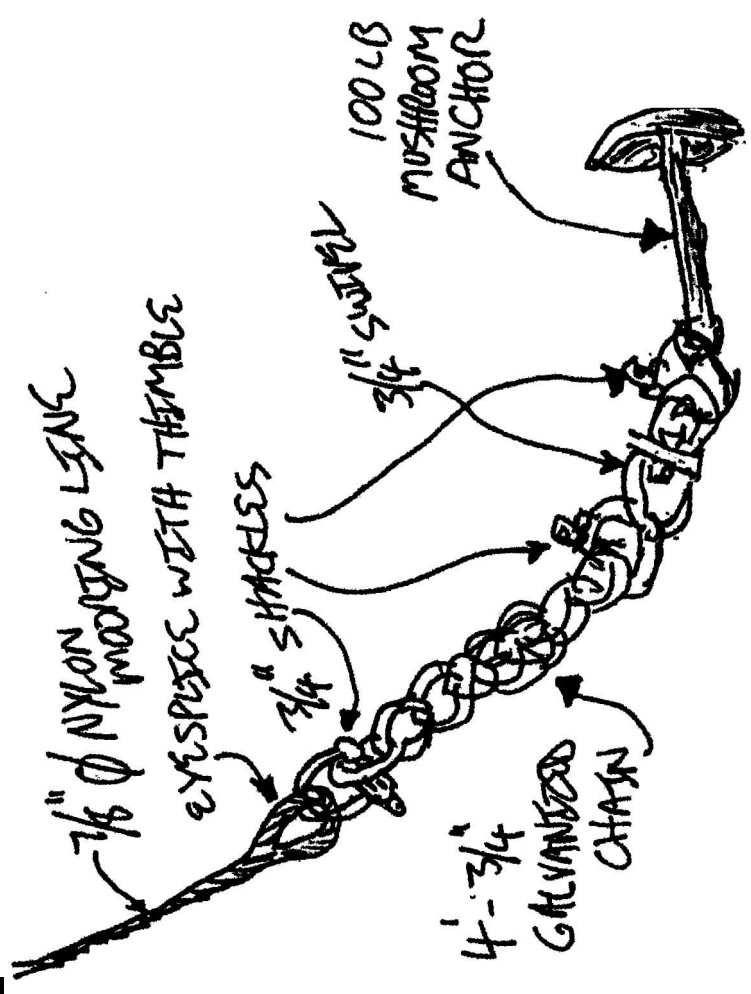
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### SOFT MESH BAG DETAIL



### ANCHOR TACKLE DETAIL \*

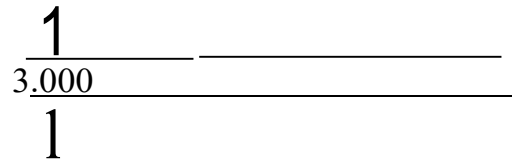
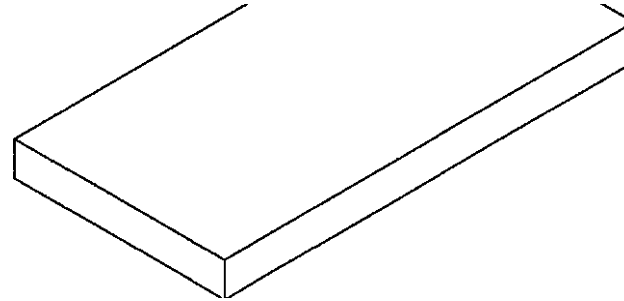
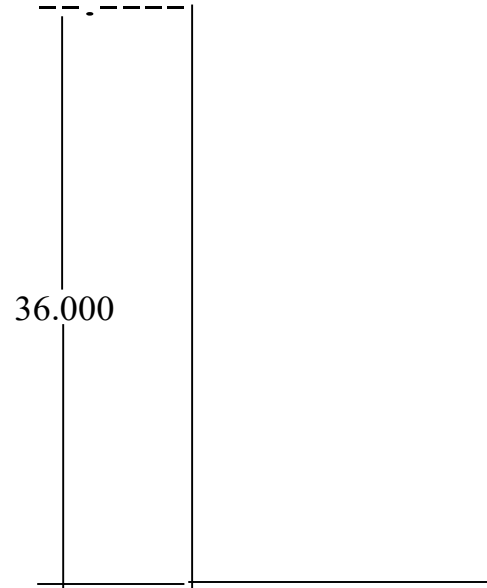


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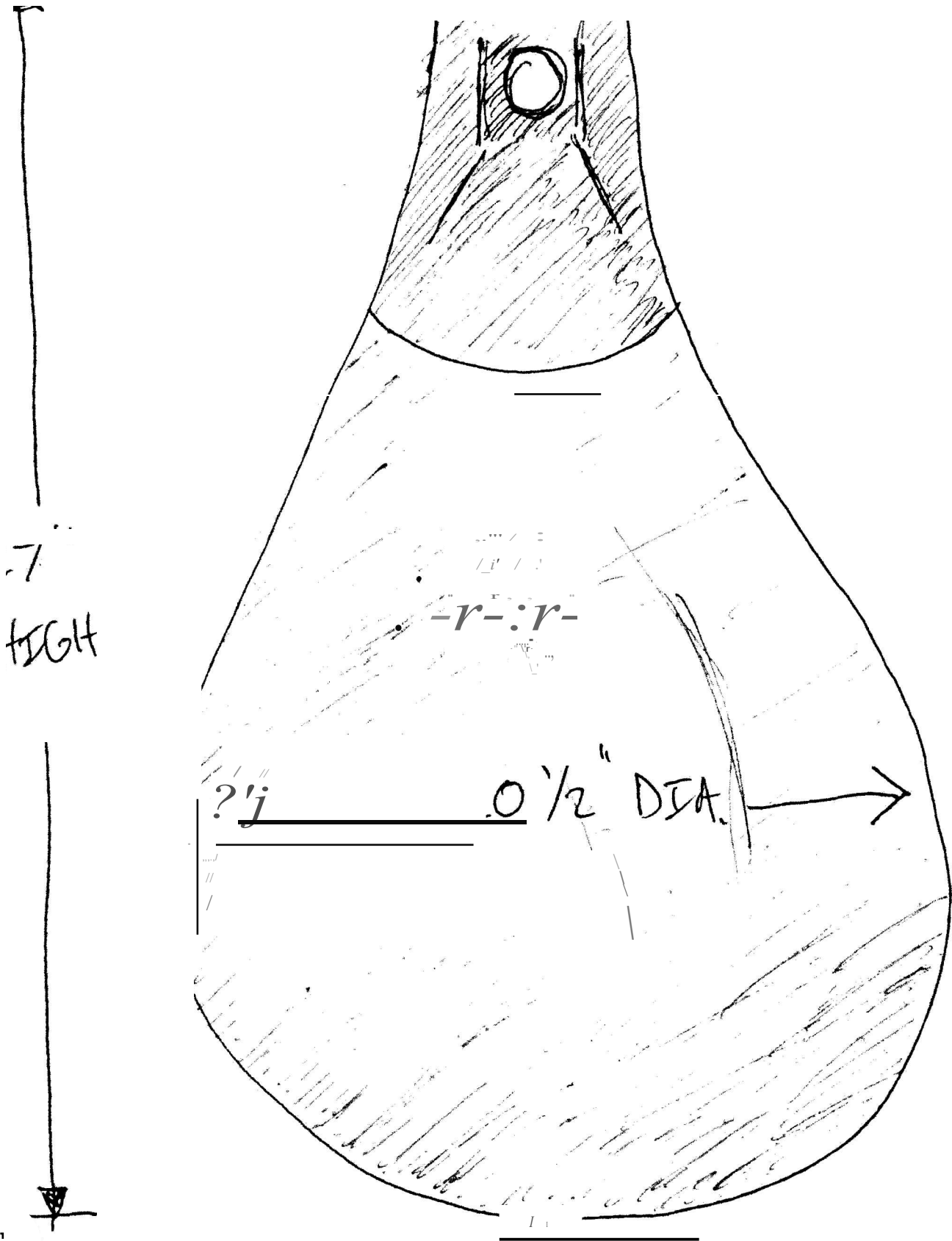
118.5001



UNLESS SPECIFIED  
OTHERWISE  
DIMENSIONS IN INCHES  
TOLERANCES  
TWO PLACES: ±.01  
THREE PLACES: + .003  
ANGLES . . . .

FERDA FARMS LLC		FILE: MESH BAG	
9 PINEFIELDS LN, BRUNSWICK, ME 04011		MATERIAL: PLASTIC MESH REV.:	
DRAWN BY: M BuRTIS		DATE: 3/17/2020	
SHEET: 1 of 1		SCALE: 1:12 PART NO.:	

-4 PULY BAW



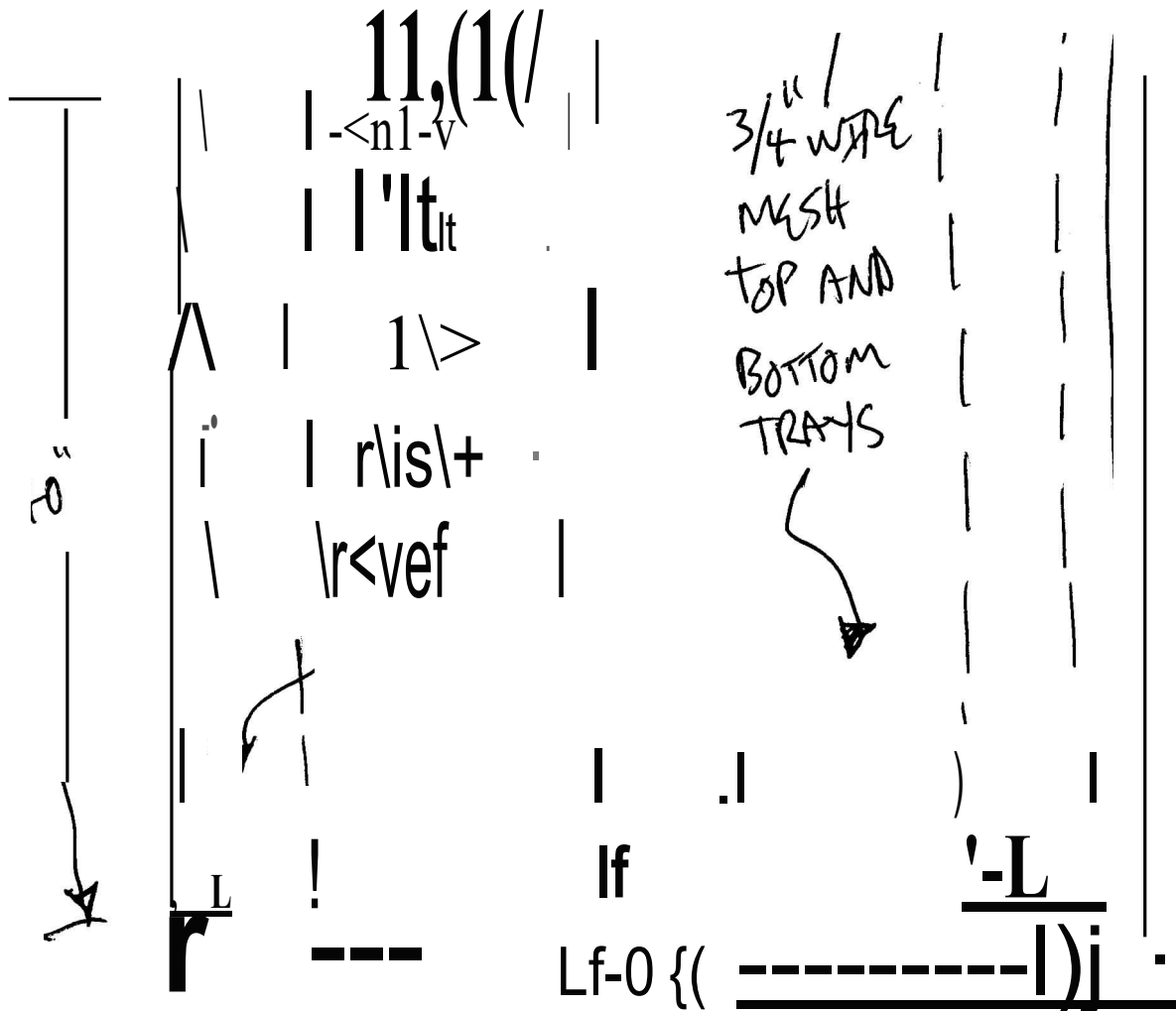
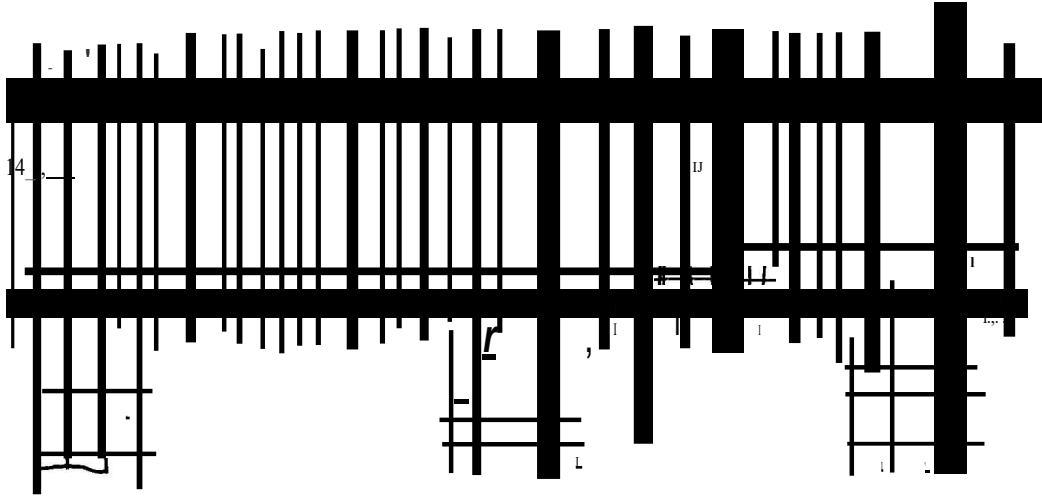
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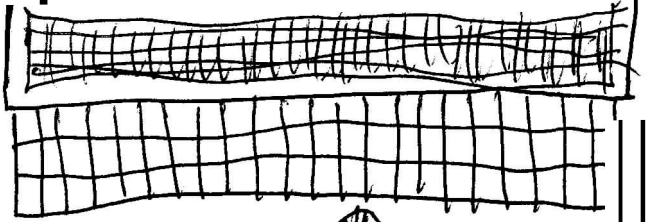
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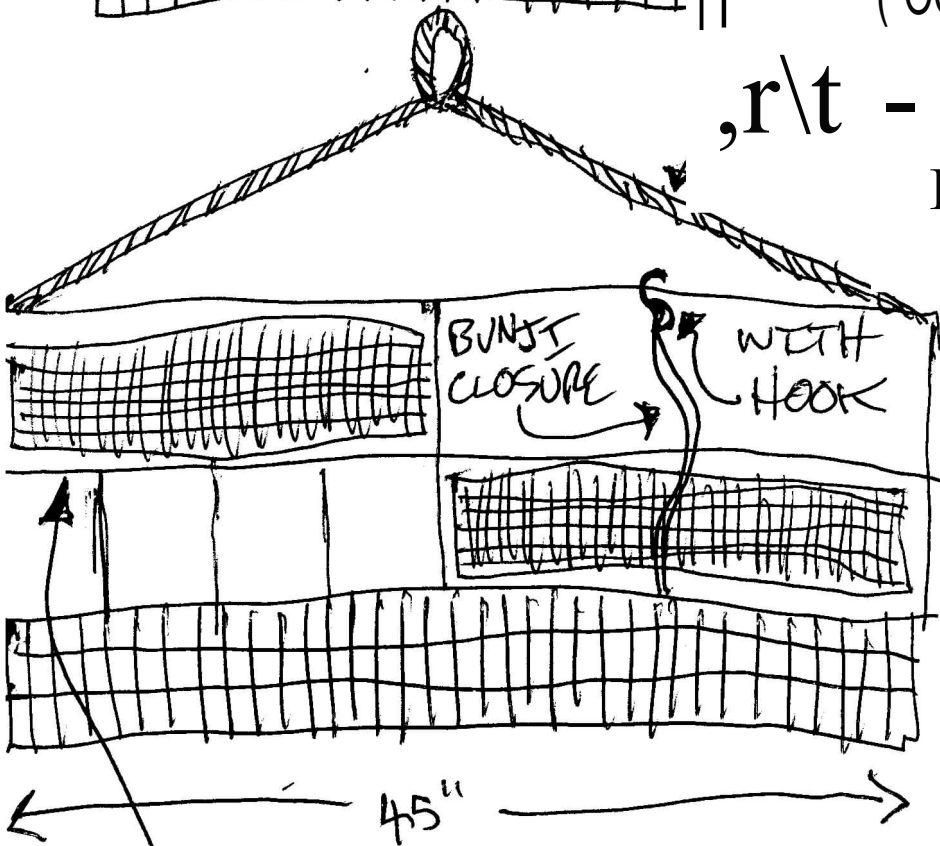
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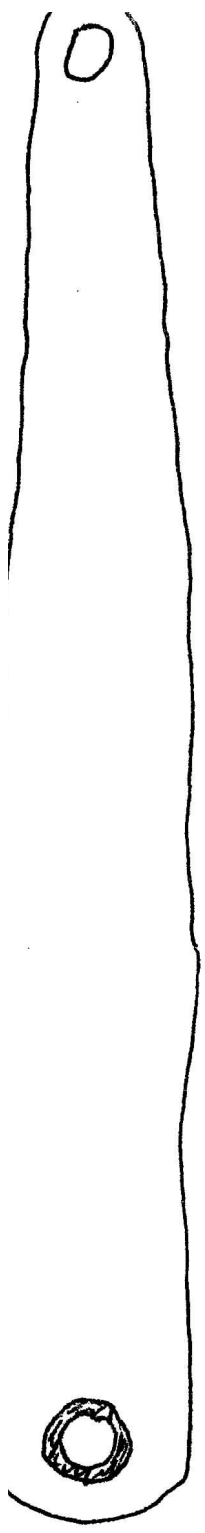
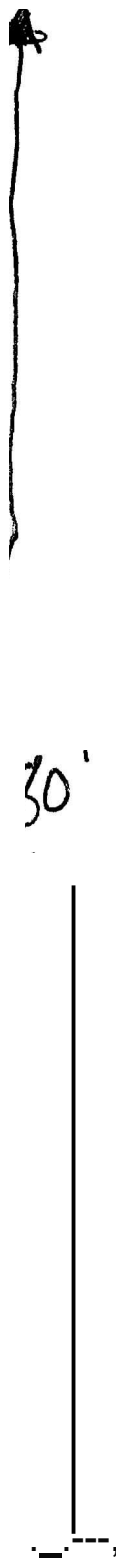
PW/v Mv,'



to<sup>u</sup>



STARTER STICK



6"

2

1

NORTH TRACT

SOUTH TRACT

r-11

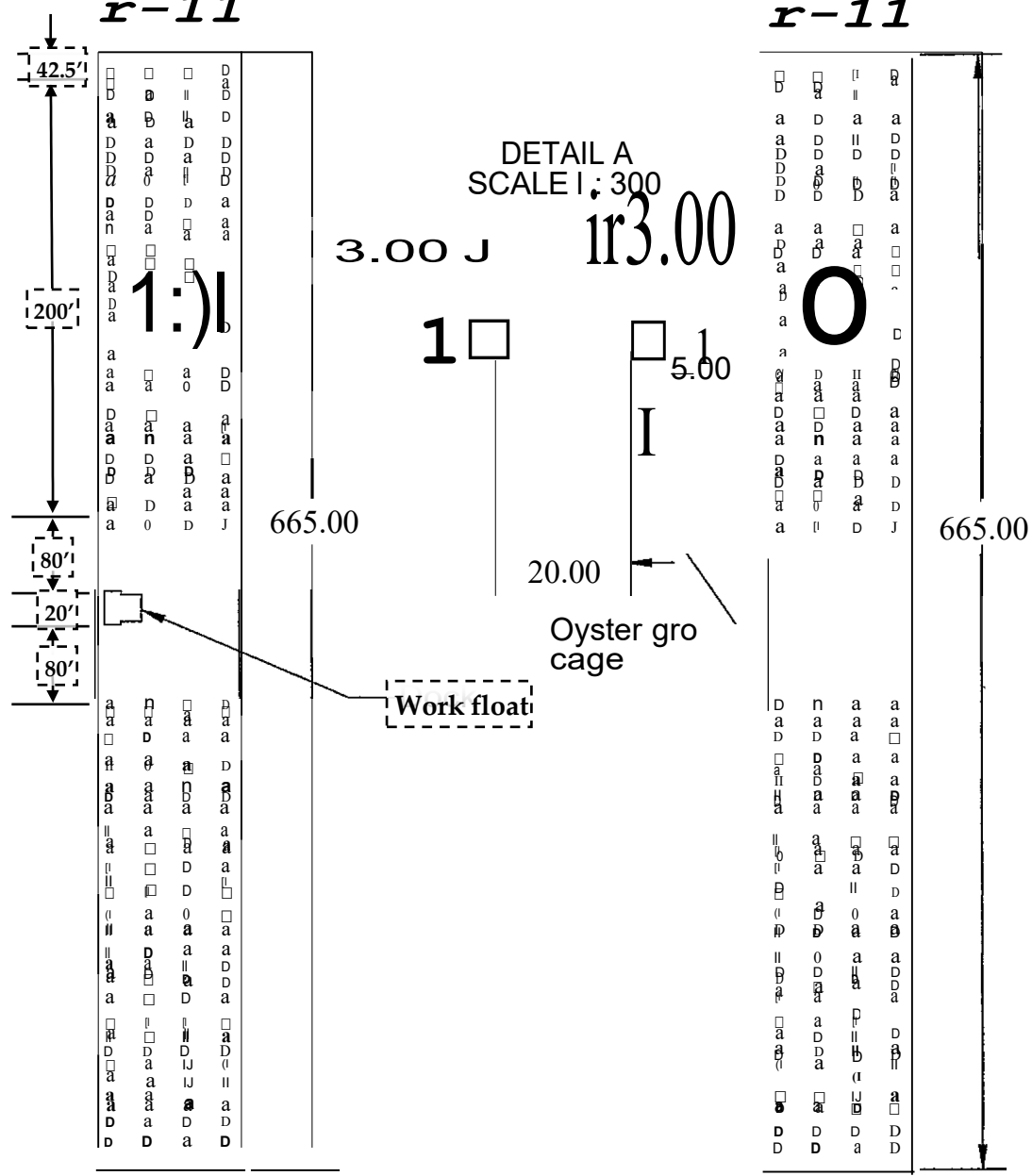
r-11

B

B

A

A



2' DIA POLYBALL MARKING BOUY BX

DIMENSIONS ARE IN FEET  
 TOLERANCES:  
 FRACTIONAL ±  
 ANGULAR: MACH ± BEND ±  
 TWO PLACE DECIMAL ±  
 THREE PLACE DECIMAL ±

NAME: RAWN  
 DATE: -- -- --  
 CHECKED  
 ENG APPR.  
 MFG APPR.

FERDA FARMS

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 DATE 10/10/2013 BY 60322 UCBAW/STP

32

2

1

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00;H;... ..sH(m;g;10;:F;L;J

2

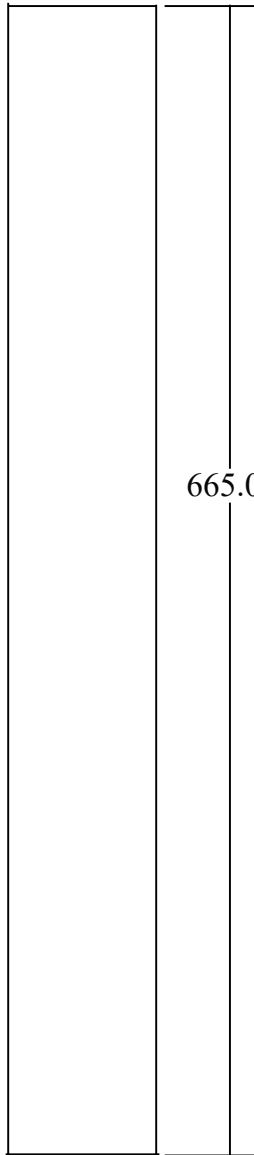
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NORTH TRACT

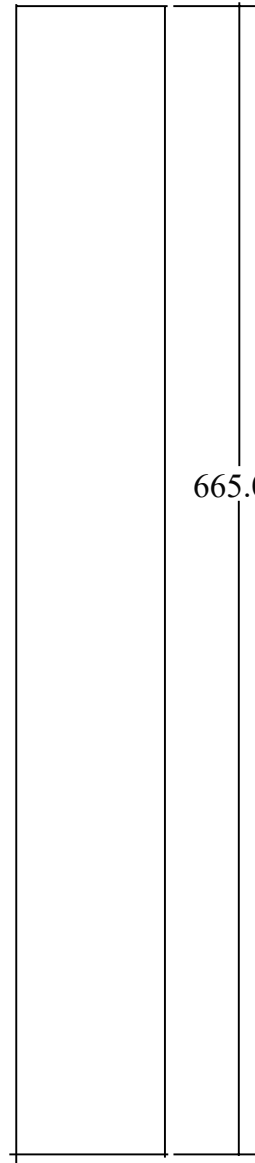
SOUTH TRACT

←77'→

←77'→



665.00



665.00

B

B

A

A

Overhead view  
Over wintering  
(winter sticks)

Winter sticks at corners

DIMENSIONS ARE IN FEET  
 TOLERANCES:  
 . . . . . FRACTIONAL ±  
 . . . . . ANGULAR! MACH ± BEND ±  
 . . . . . TWO PLACE DECIMAL /  
 . . . . . THREE PLACE DECIMAL /

NAME	DAT
'DRAWN	.. /
1	----
CHECKED	
ENG APPR.	
MFG APPR.	
QA	
COMMENTS	

**FERDA FARMS  
LL**

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SIZE DWG. REV

SOLIDWORKS Educational Product - Instructional Use Only.

DATE: , , r w ac-m , , SHEET NO. ,

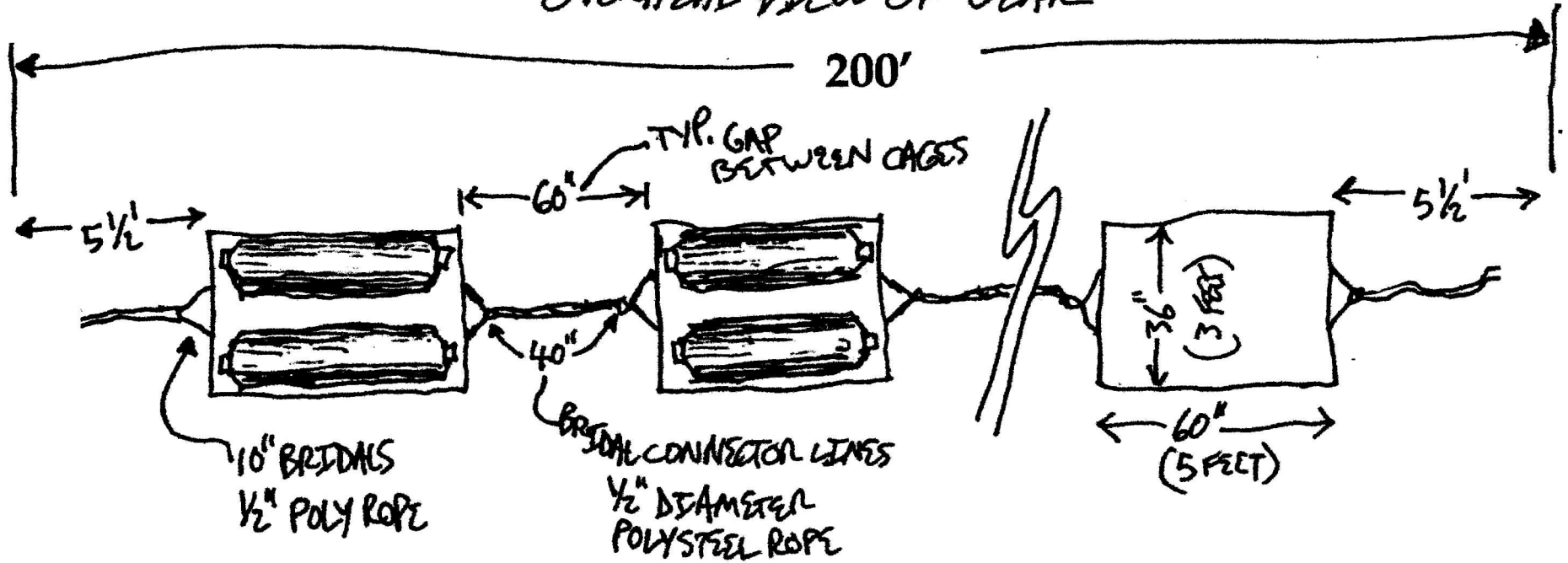
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2

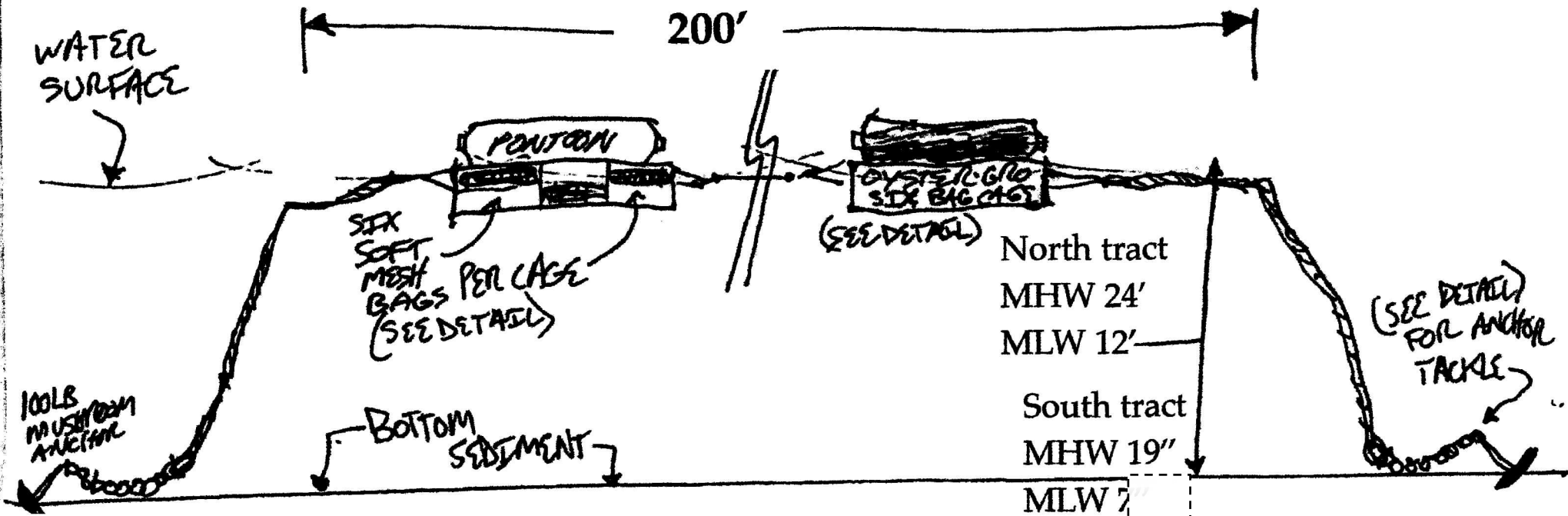
1



# OVERHEAD VIEW OF GEAR

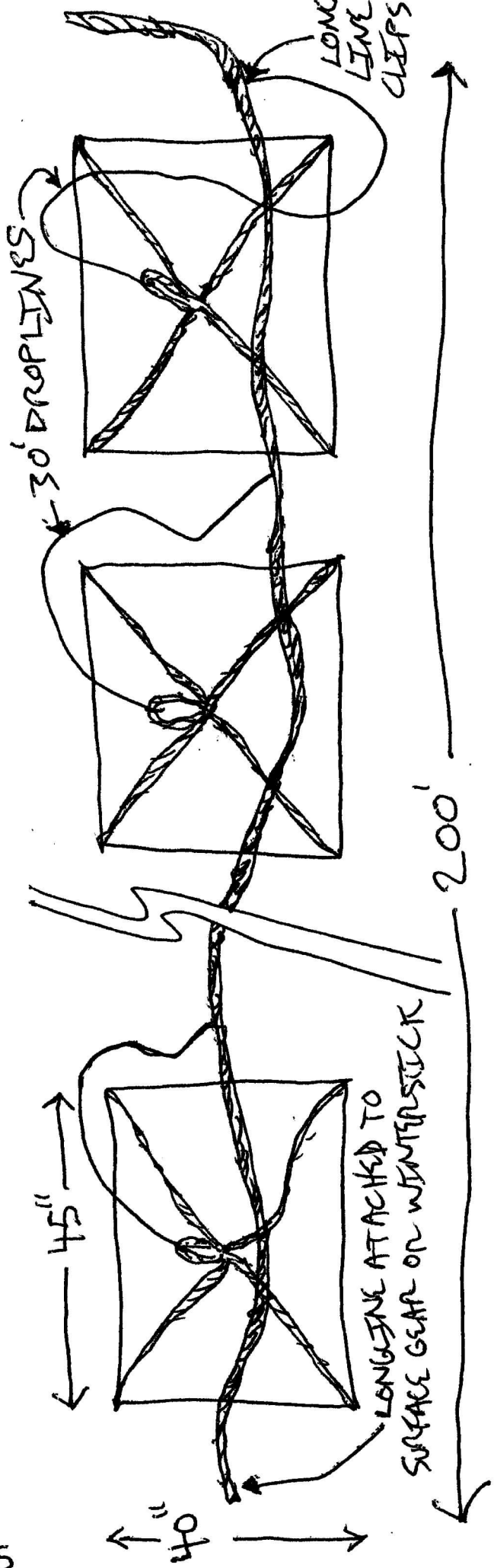


# SECTION OF GEAR



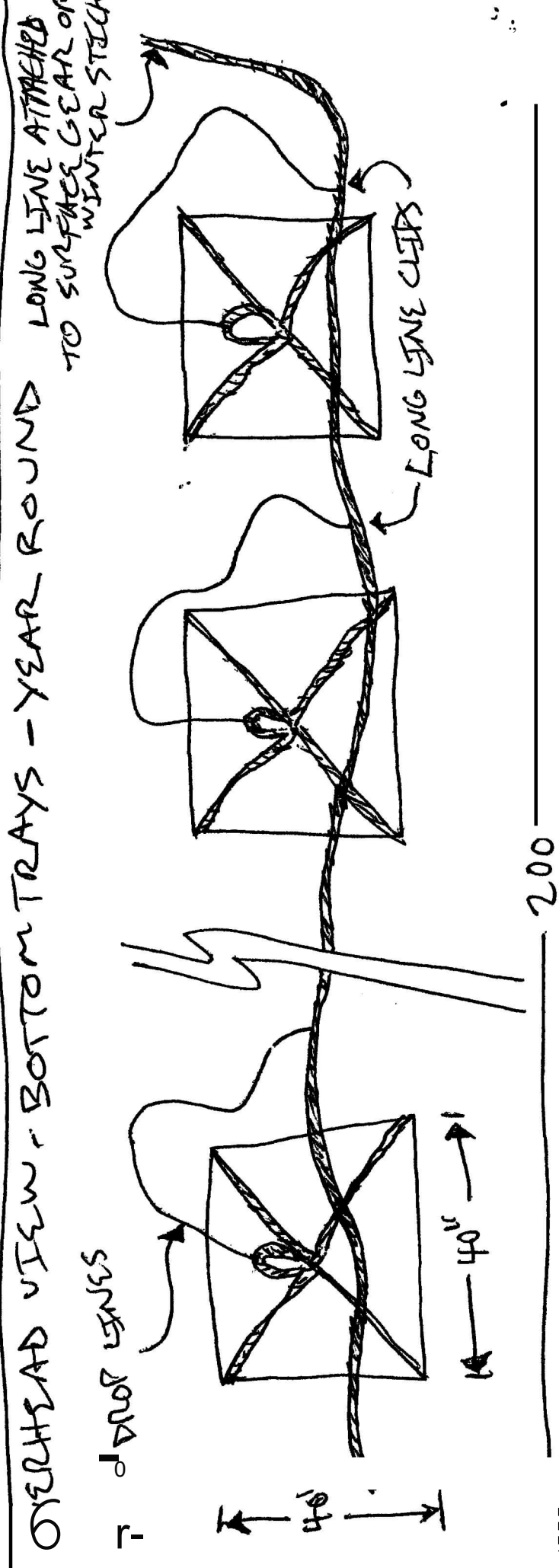
OVERHEAD VIEW - 4 BAG OYSTER CONDOS - YEAR ROUND

35



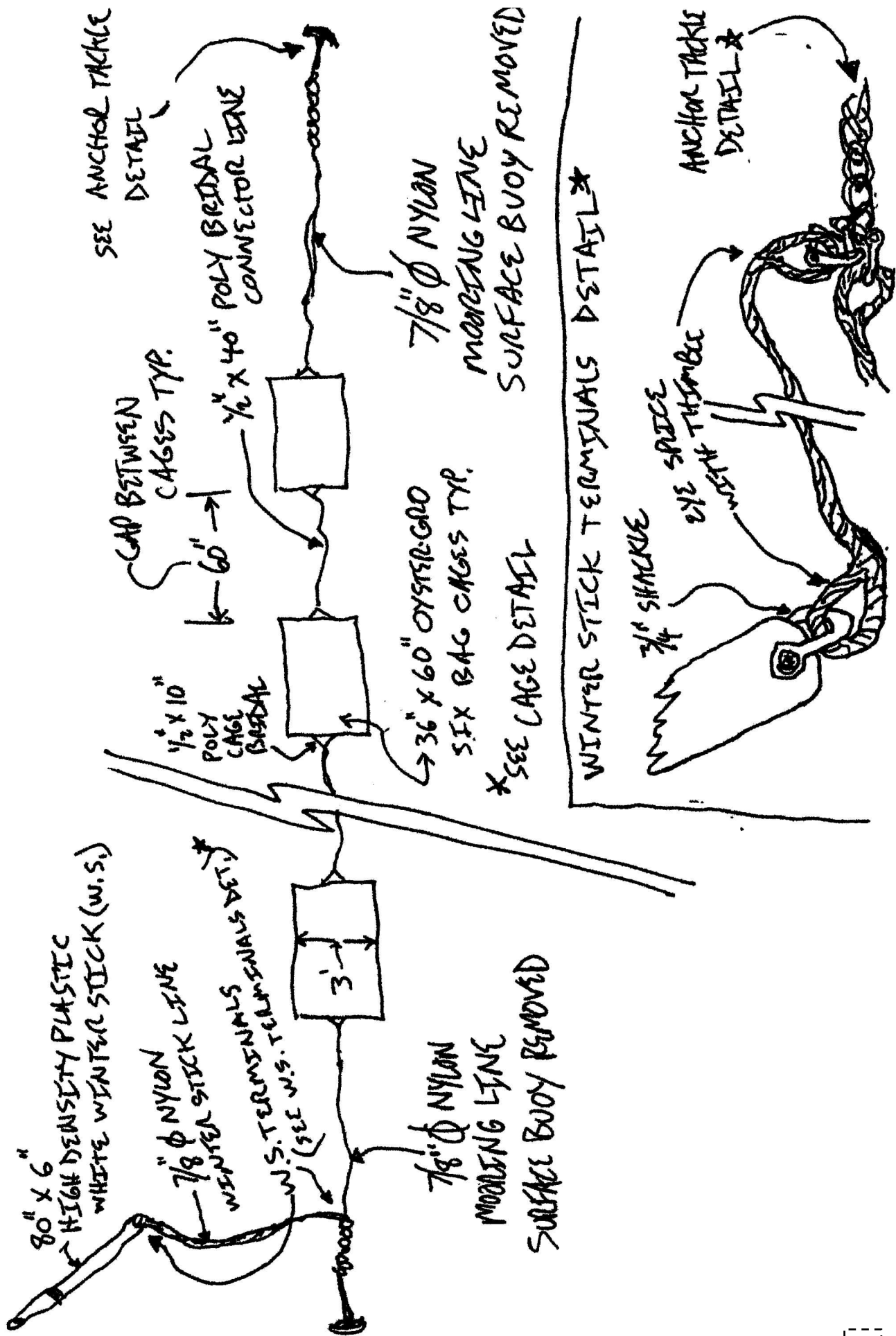
OVERHEAD VIEW - BOTTOM TRAYS - YEAR ROUND

36

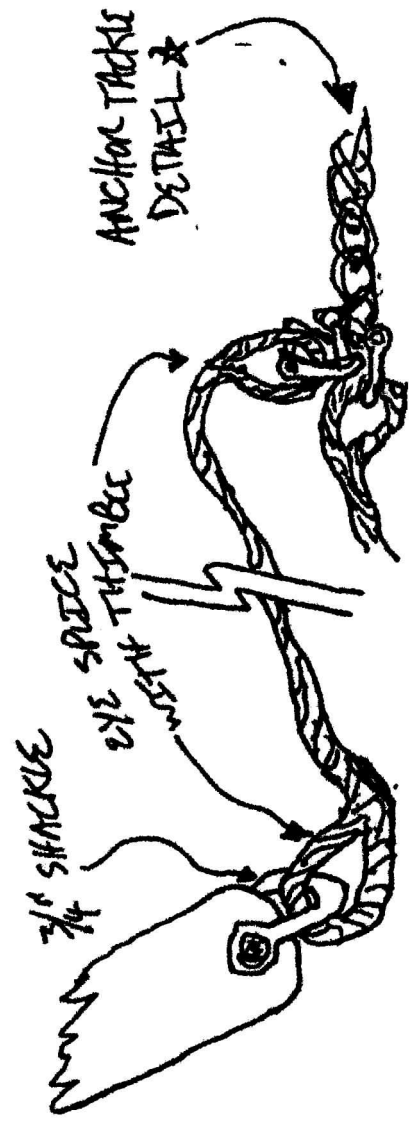


OVERHEAD VIEW OF GEAR  
- OVERWINTERING -

← 200' →

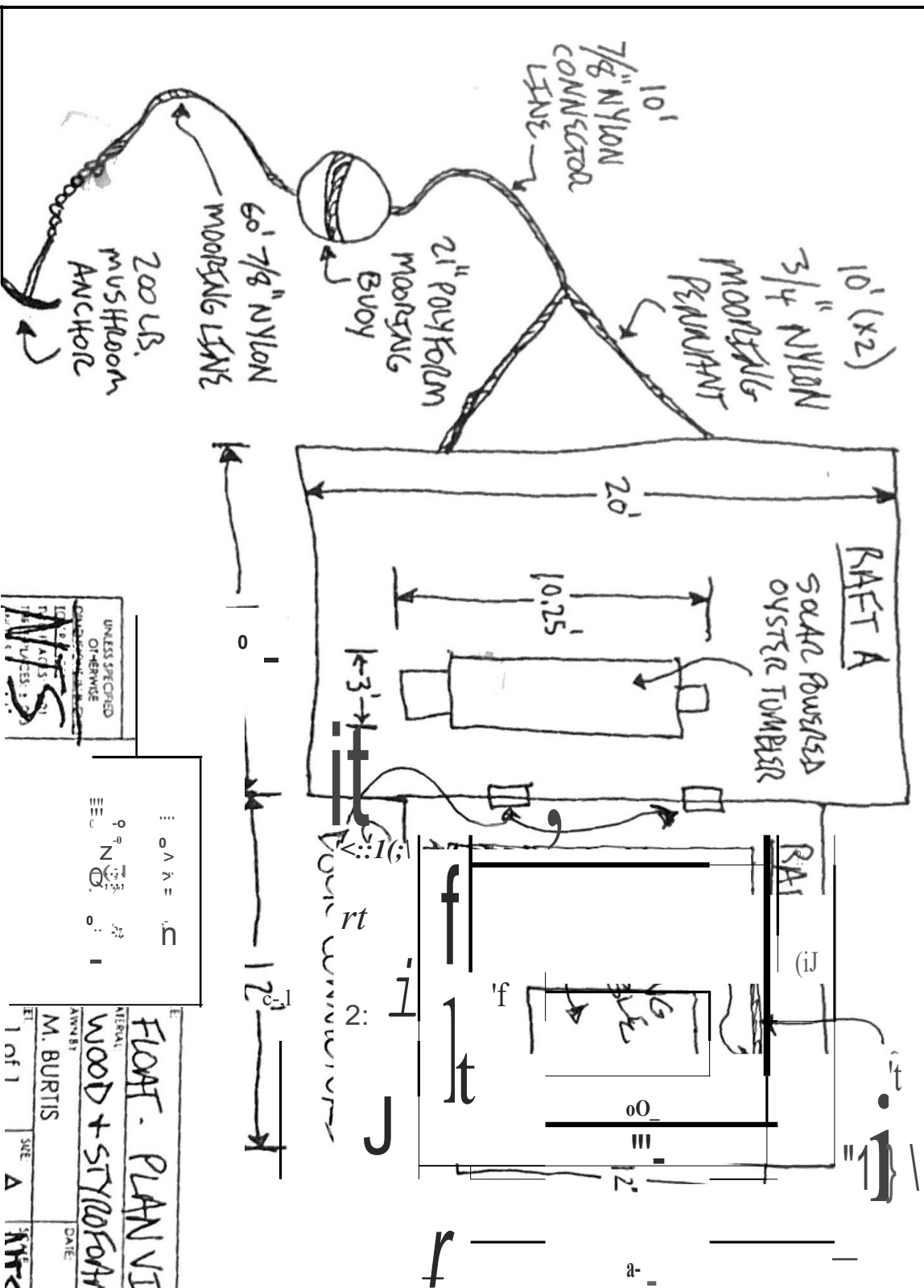


WINTER STICK TERMINALS DETAIL\*



# ATTACHMENT

## RAFTS A+B DIMENSIONS

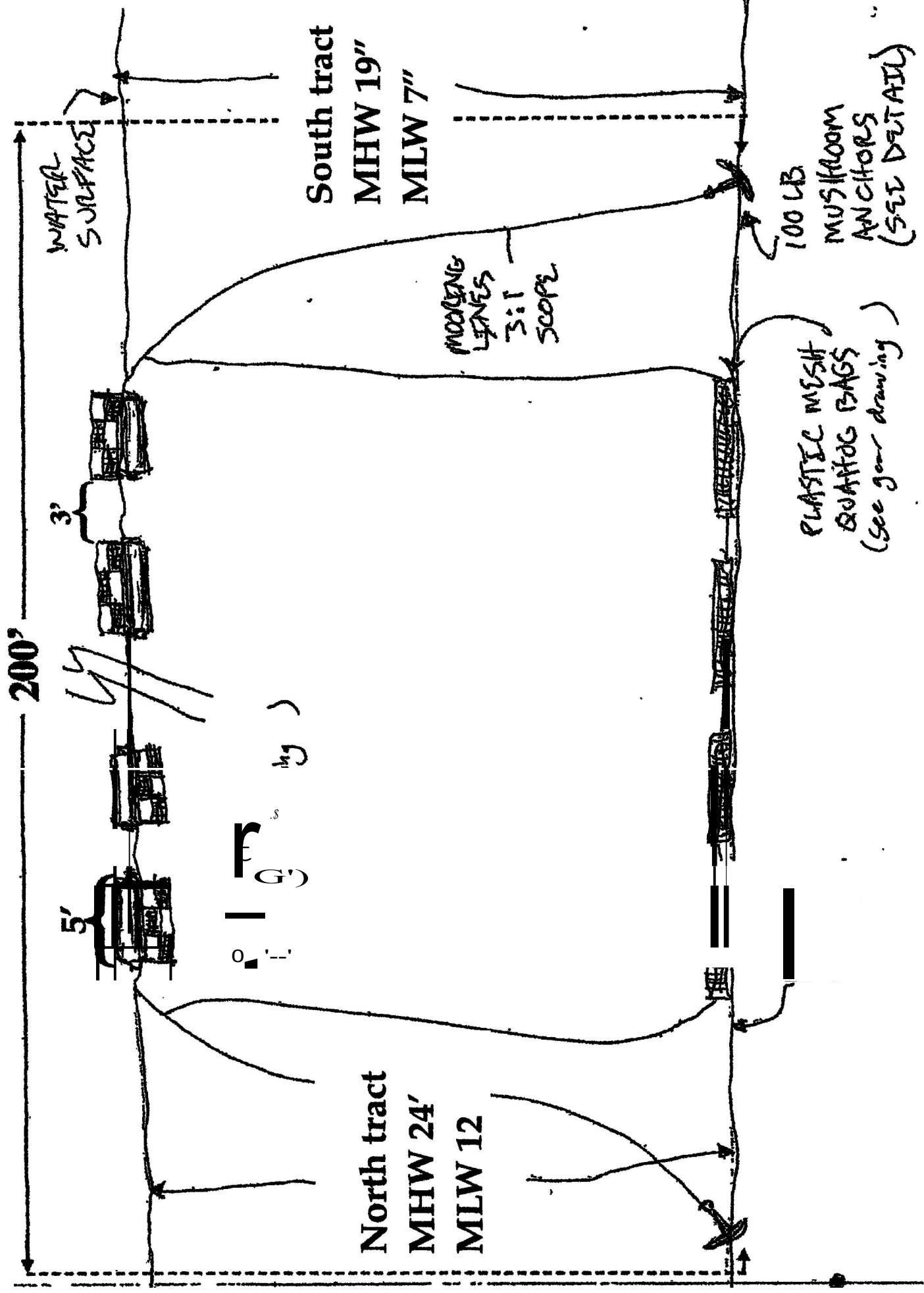


UNLESS SPECIFIED OTHERWISE  
 M.F.S.

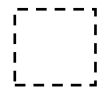
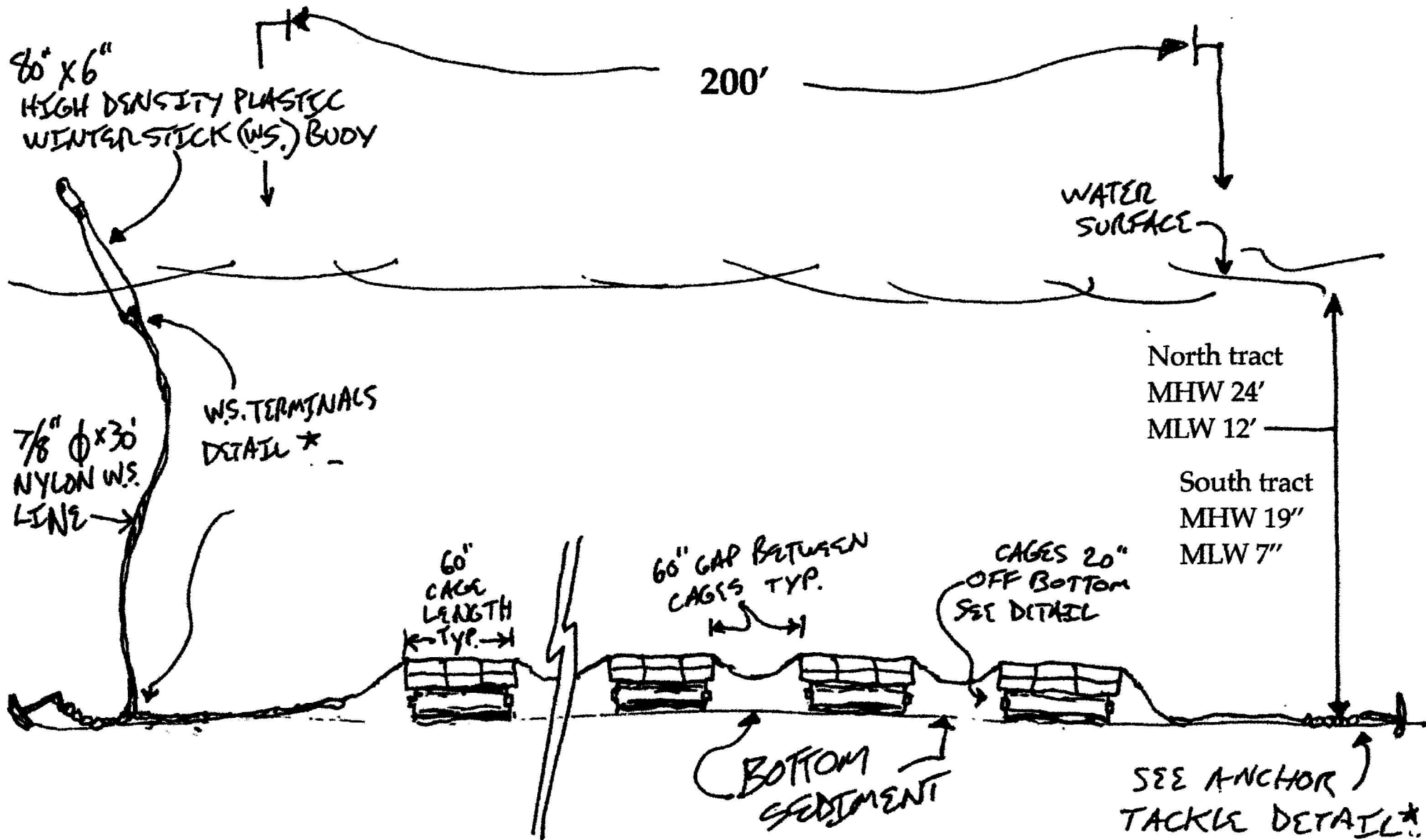
10' x 12' = 120'  
 9' x 3' = 27'  
 12' x 3' = 36'  
 12' x 12' = 144'

<b>FLOOR PLAN VIEW</b> WOOD + STYROFOAM	
AUTHOR M. BURRIS	DATE
SHEET 1 OF 1	PART NO.

Cross-section view - cages



CROSS-SECTIONAL VIEW OF GEAR  
- OVERWINTERING -



Cross section view ~Bottom trays

200'

Attached to surface cage line

Water surface

1/2" dia. polysteel sinking rope long line

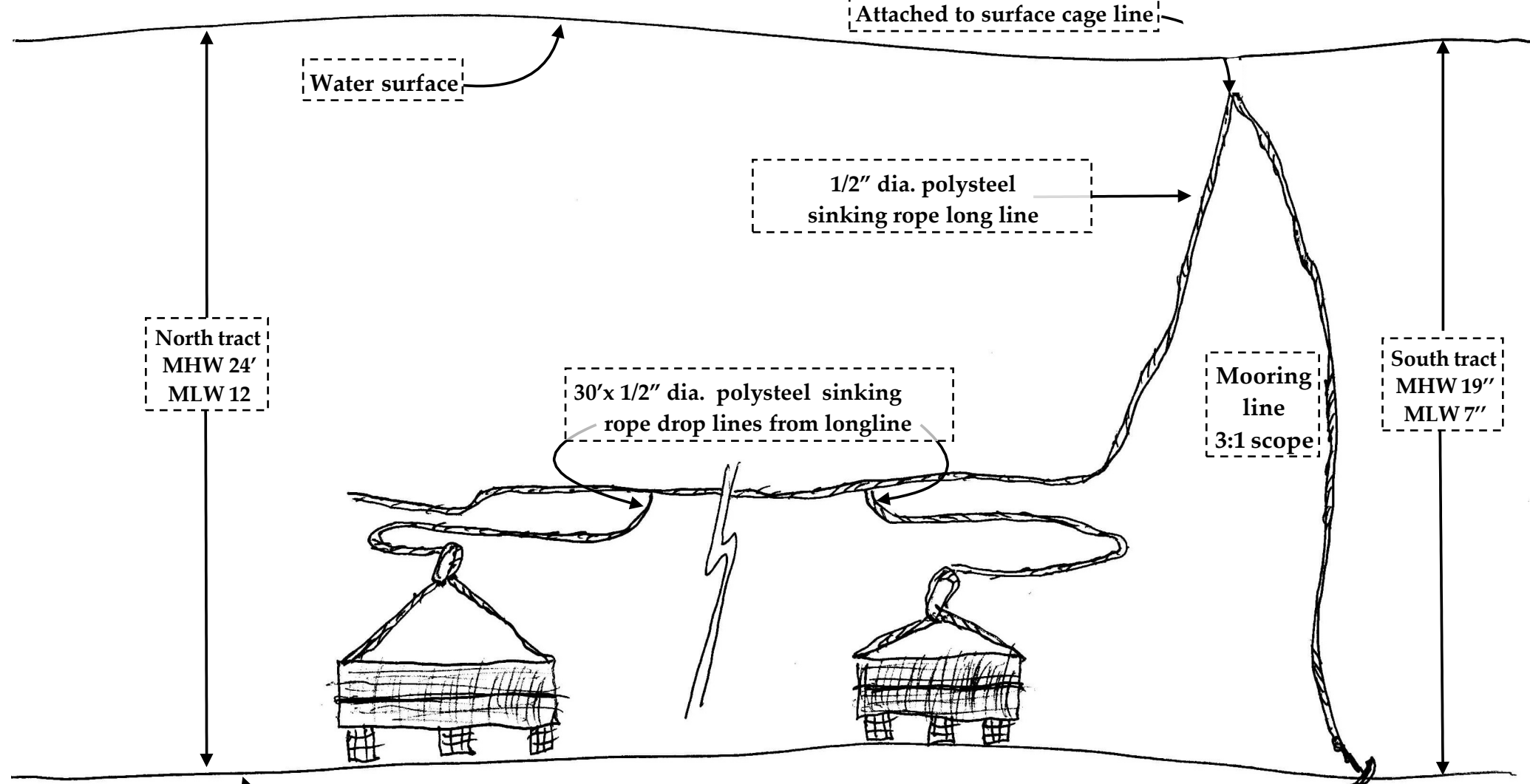
North tract  
MHW 24'  
MLW 12'

30'x 1/2" dia. polysteel sinking rope drop lines from longline

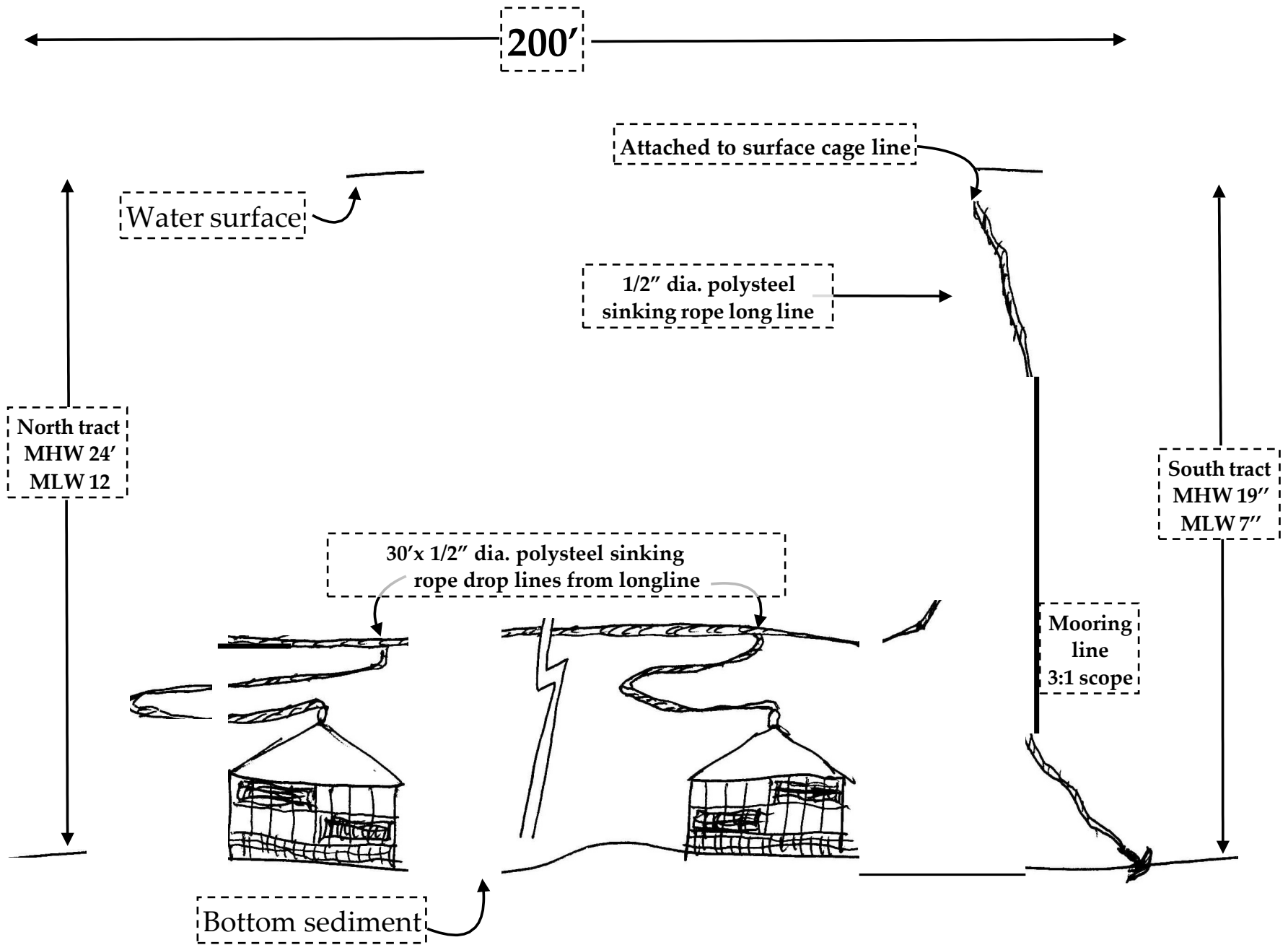
Mooring line  
3:1 scope

South tract  
MHW 19"  
MLW 7"

Bottom sediment

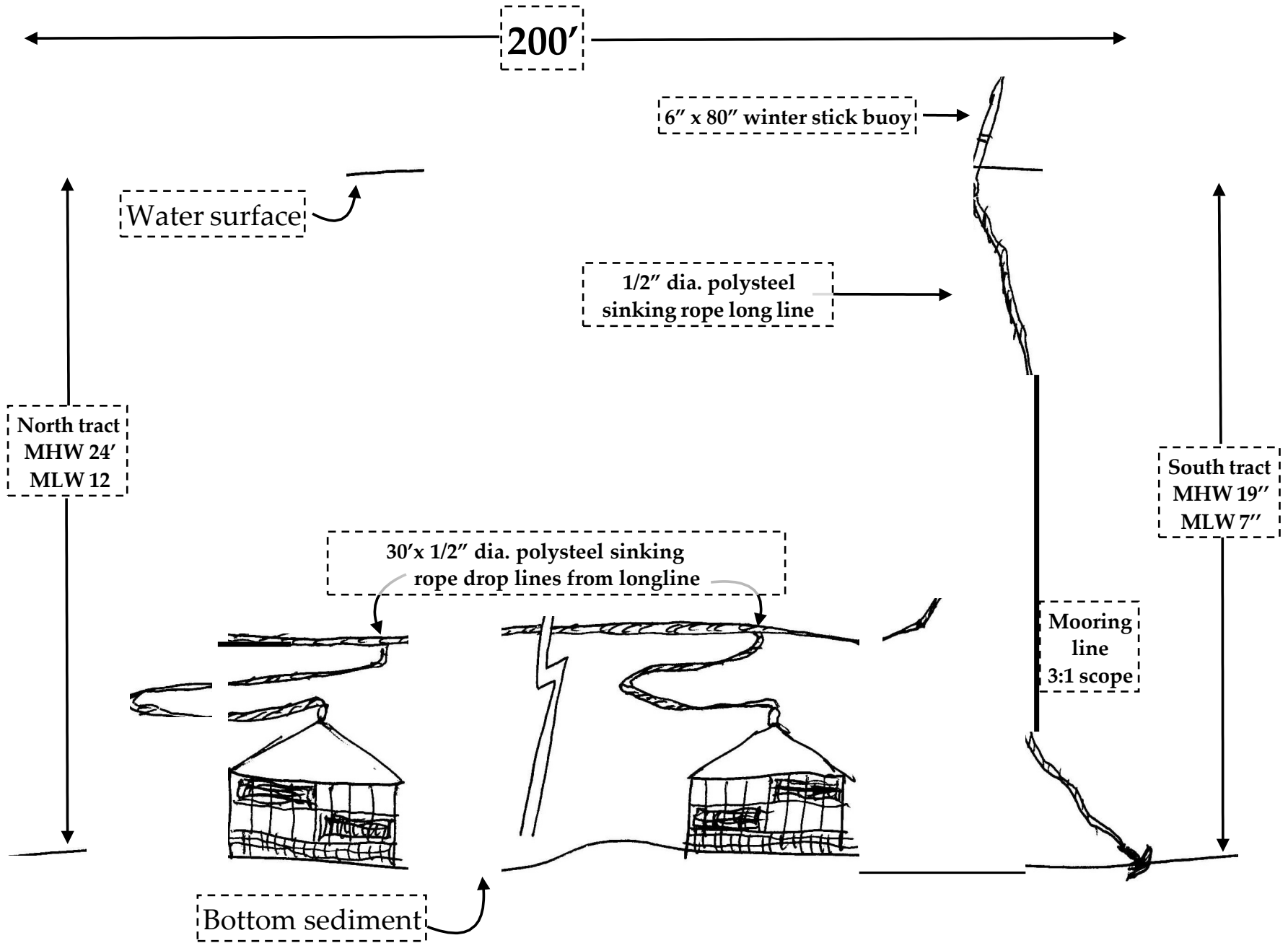


Cross section view ~Condos





Cross section view- Over wintering~Condos



Cross section view- Over wintering~Bottom trays

200'

6" x 80" winter stick buoy

Water surface

1/2" dia. polysteel sinking rope long line

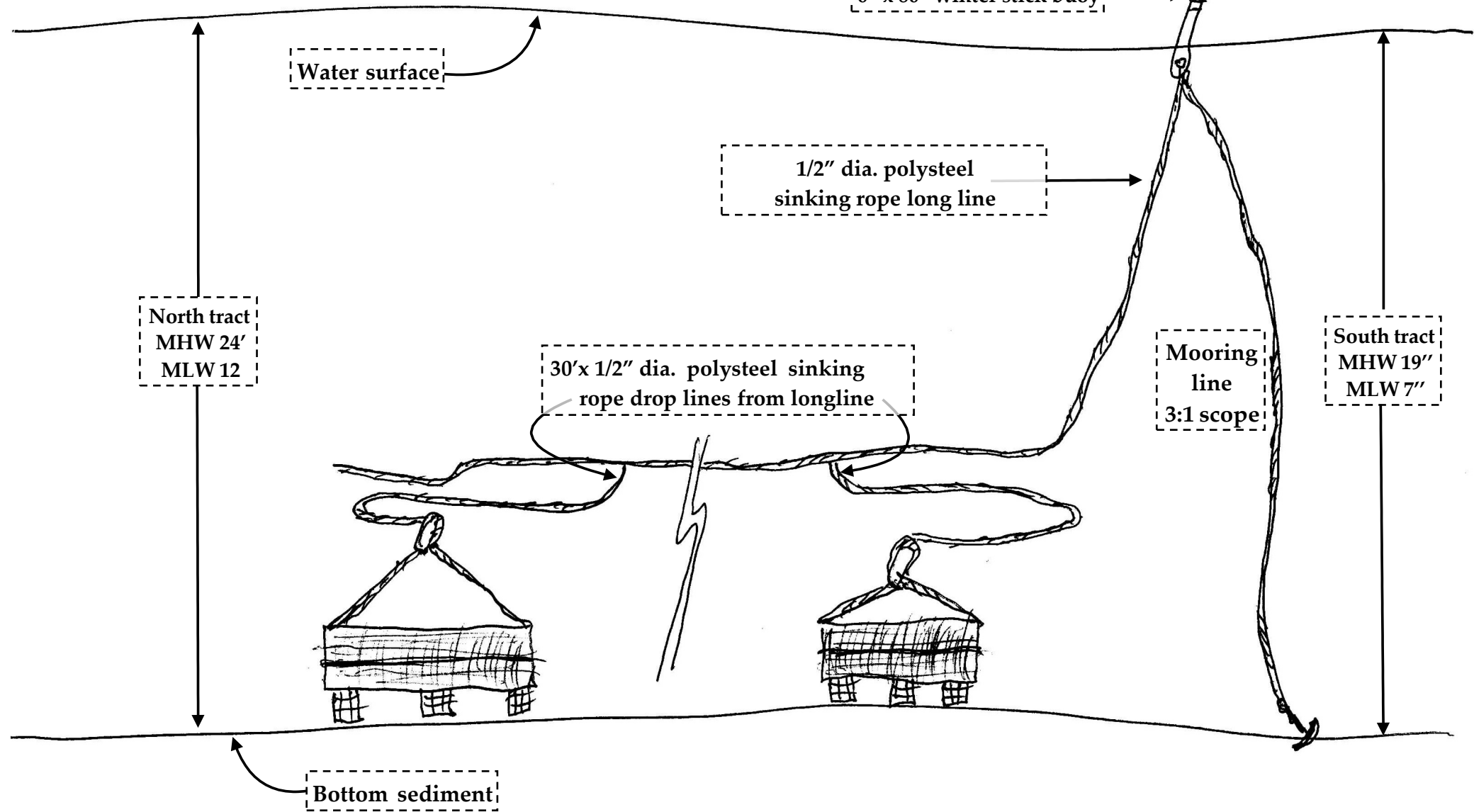
North tract  
MHW 24'  
MLW 12'

30' x 1/2" dia. polysteel sinking rope drop lines from longline

Mooring line  
3:1 scope

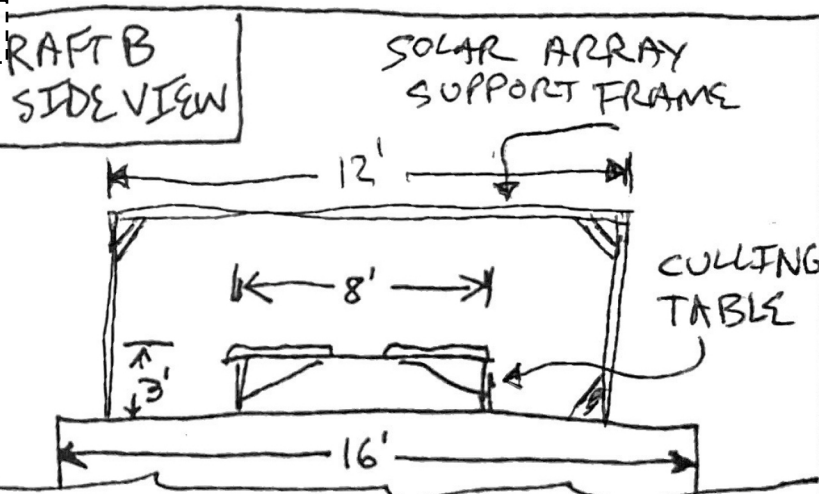
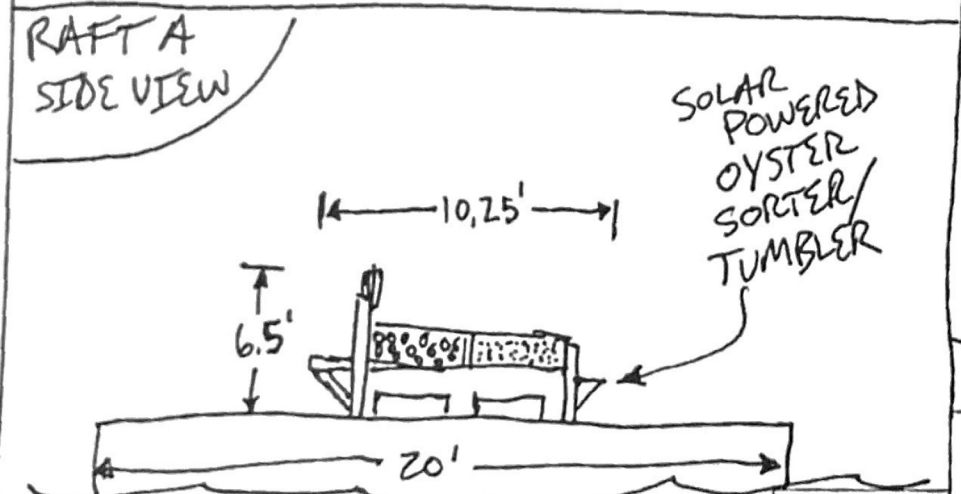
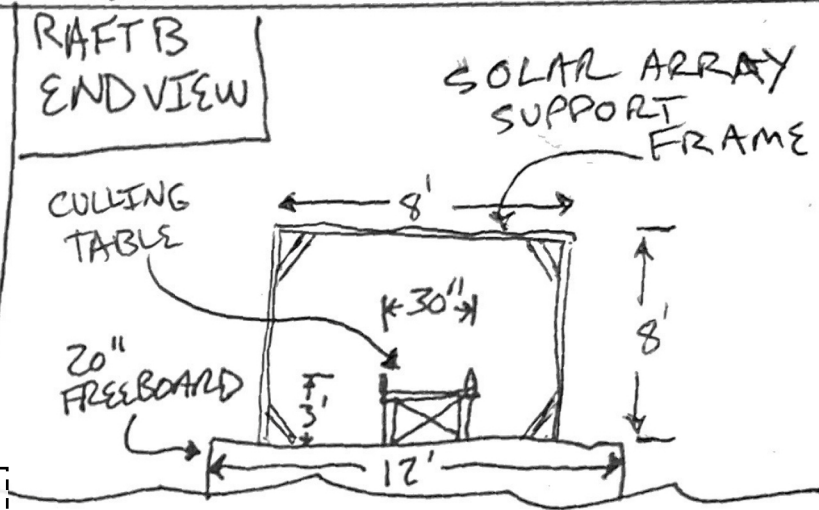
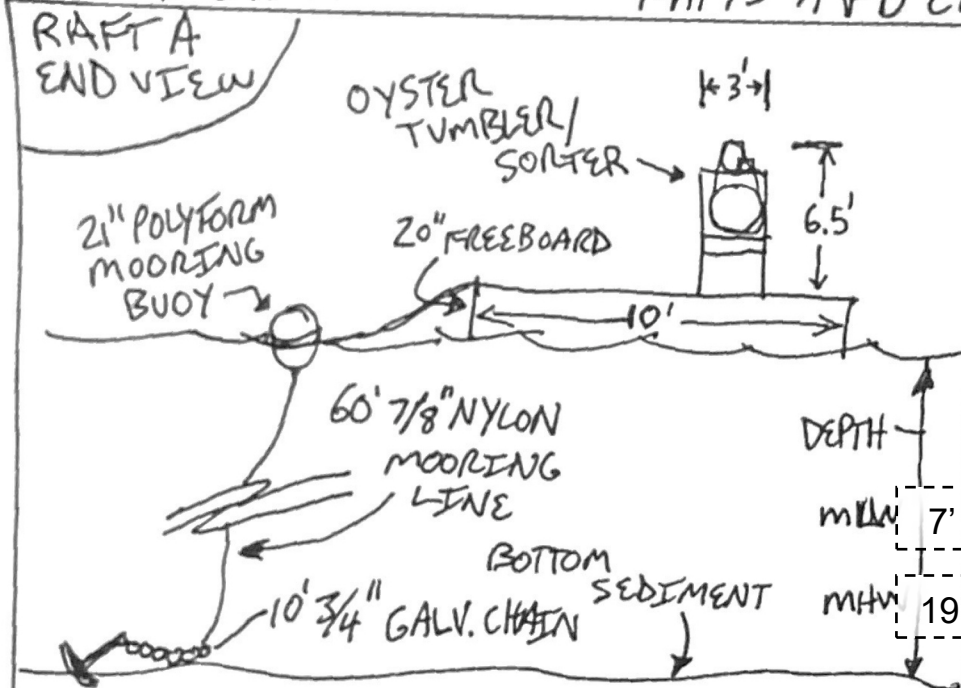
South tract  
MHW 19'  
MLW 7'

Bottom sediment



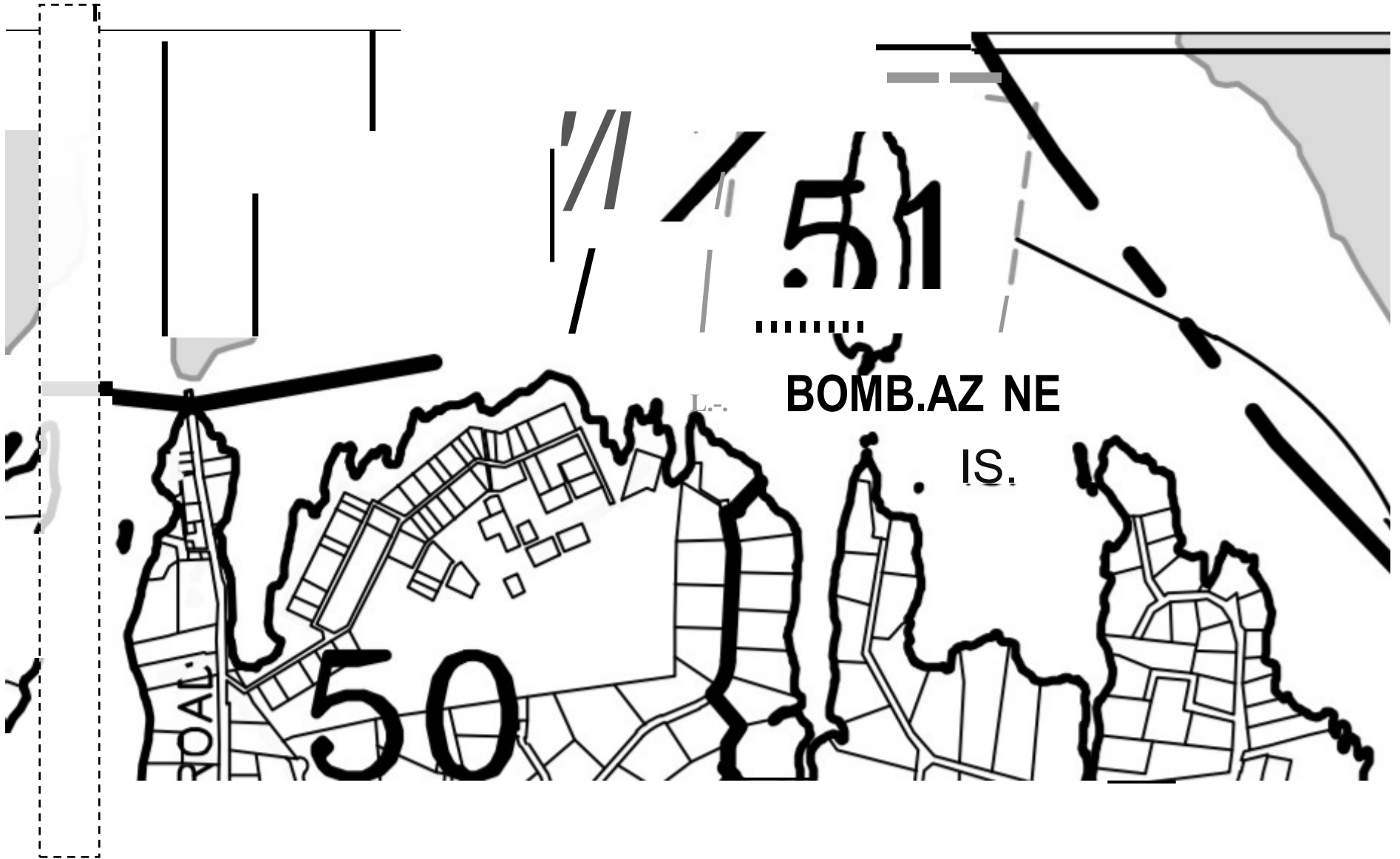
# ATTACHMENT

## RAFTS A+B CROSS SECTION



UNLESS SPECIFIED OTHERWISE  
DIMENSIONS IN INCHES  
NOTES  
1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE  
2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE  
3. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE

FERDA FARMS LLC		TITLE: FLOAT - CROSS SECTION	
9 PINEFIELDS LN, BRUNSWICK, ME 04011		MATERIAL: WOOD + STYROFOAM	REV:
DRAWN BY: M. BURTIS		DATE:	
SHEET: 1 of 1	SIZE: A	SCALE: NTS	PART NO.:



51

BOMB.AZ NE

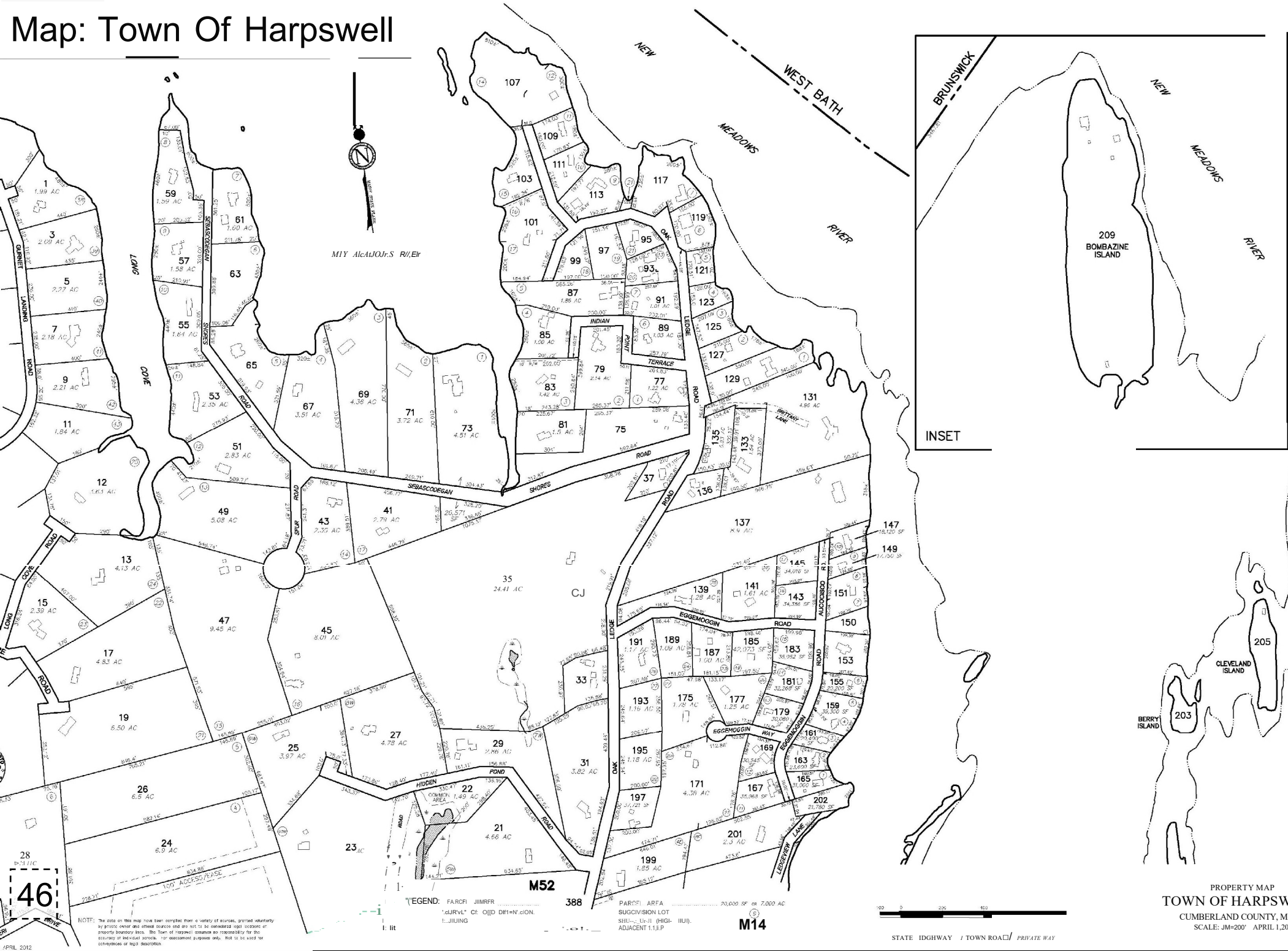
IS.

50

ROAD



# Map: Town Of Harpswell



MIY AlcaJOr.S R/EIr

INSET

LEGEND: PARCEL JIMMER  
 "GURV" CE OJD DIRIN"OION.  
 LJIJING

PARCEL AREA  
 SUGGIVISION LOT  
 SHU--Lr-JI (HIG-  
 ADJACENT 1.1.1.P

70,000 SF on 7,000 AC



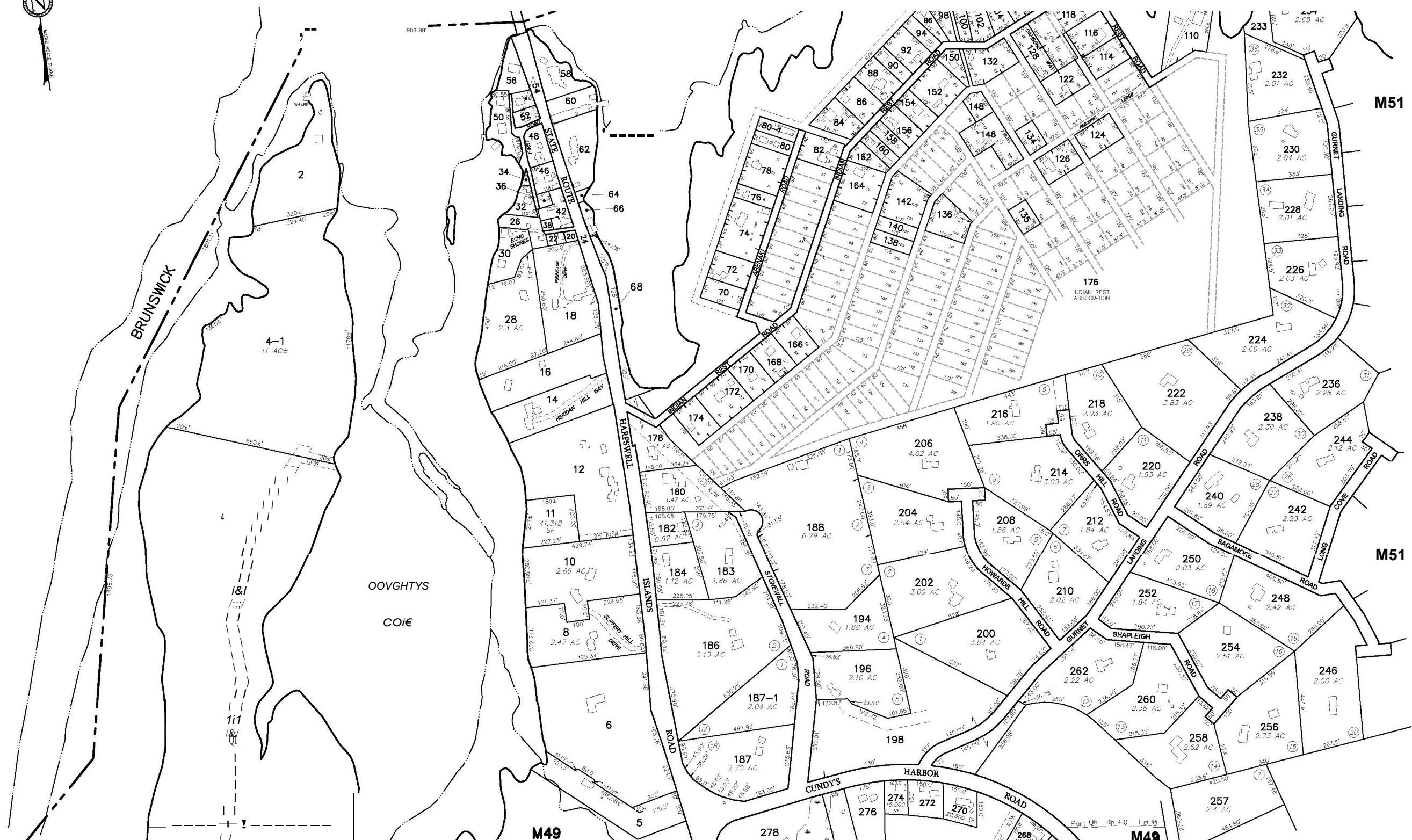
STATE HIGHWAY / TOWN ROAD / PRIVATE WAY

PROPERTY MAP  
 TOWN OF HARPSWELL  
 CUMBERLAND COUNTY, MAINE  
 SCALE: 1/4"=100' APRIL 1, 2012

# Tax Map: Town Of Harpswell



BRUNSWICK STRAIT



47



PREPARED BY AERIAL SURVEY & PHOTO, INC.  
 AIRPORT ROAD, NORRIDGEWOCK, MAINE  
 (207) 634-2006  
 BASED ON PHOTOGRAPHY DATED 05-07-96

NOTE: The data on this map have been compiled from a variety of sources, granted voluntarily by private owner and official sources and are not to be considered legal locations of property boundary lines. The Town of Harpswell assumes no responsibility for the accuracy of individual parcels. For assessment purposes only. Not to be used for conveyances or legal descriptions.

LEGEND:  
 PARCEL NUMBER  
 SURVEY OR DEED DIMENSION  
 BUILDING  
 MATCH LINE

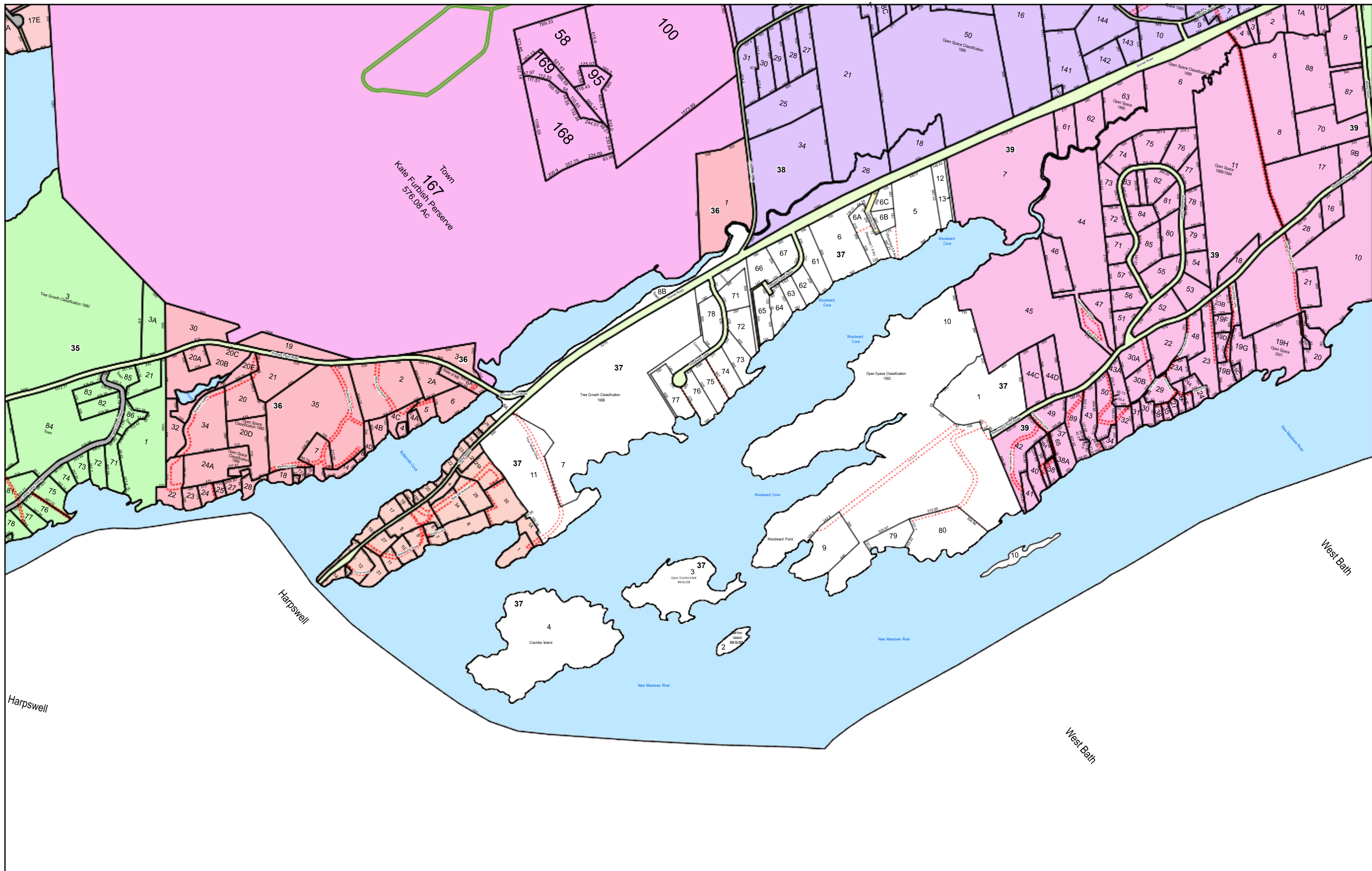
388 161.21' PARCEL AREA 20,000 SF  $\approx$  7,000 AC  
 SUBDIVISION LOT NO. 0  
 SHORELINE (HIGH TIDE) M14  
 ADJACENT MAP

STATE HIGHWAY / TOWN ROAD / PRIVATE WAY

HORIZONTAL DATUM MAINE STATE PLANE WEST ZONE

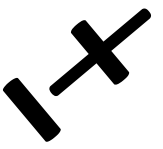
PROPERTY MAP  
**TOWN OF HARPSWELL**  
 CUMBERLAND COUNTY, MAINE  
 SCALE: 1"=200' APRIL 1, 2015

# Town of BRUNSWICK Maine



### Legend

- Parcels\_Lines
  - - - - Town Boundary
  - - - - Other Lot Boundary
  - Other Road
  - - - - ROW Property Access
- Parcels - Roads and Water**
- Public Road
  - Private Road
  - Right of Way
  - Water



Revised To: April 1, 2020  
1 inch = 977 feet

## SHEET 37

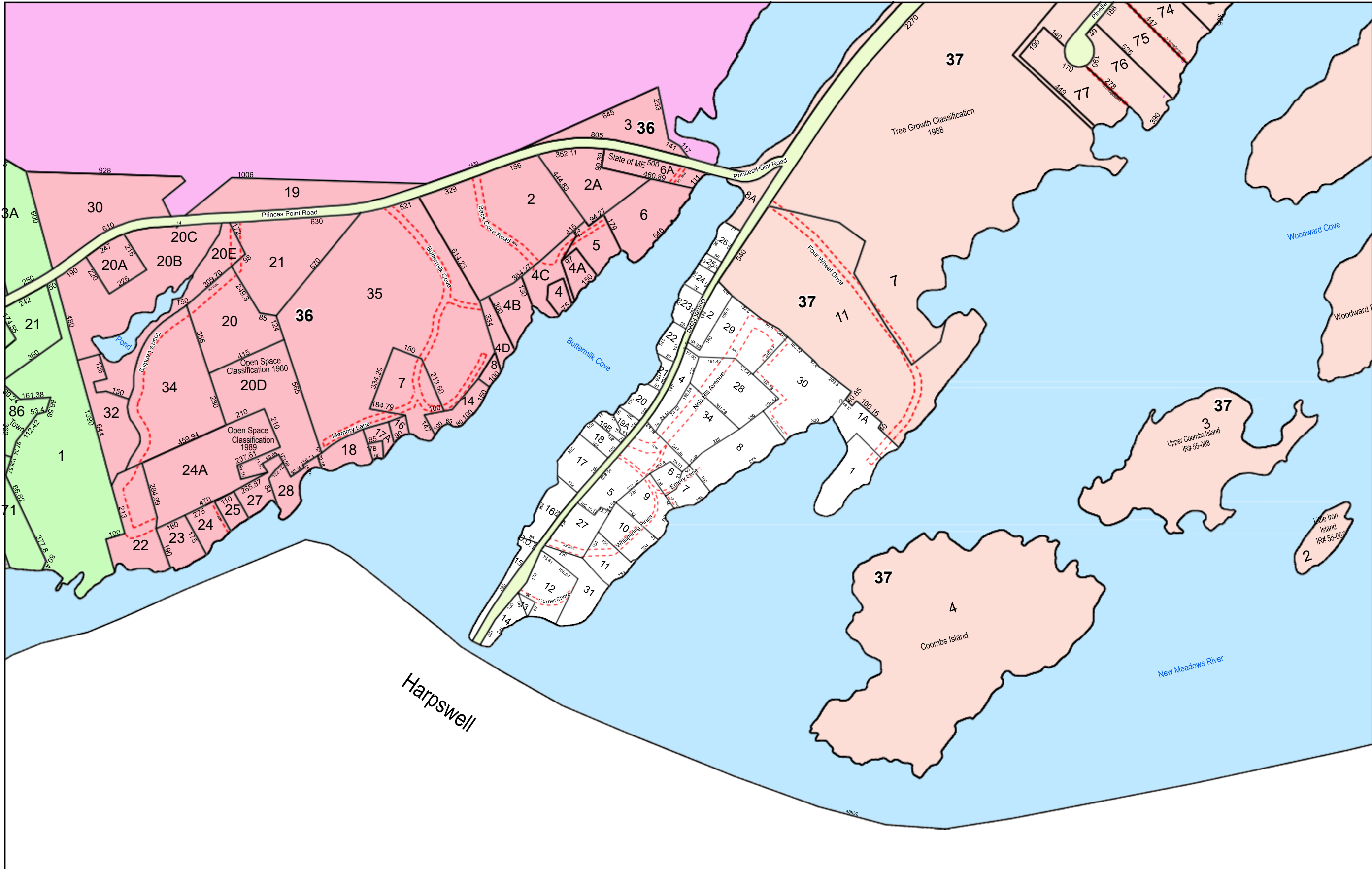
Revised and Reprinted By:



**Disclaimer:**  
The information is provided as a reasonably accurate point of reference, but is not guaranteed and is not to be used for conveyances. The Town of Brunswick shall not be held responsible for the accuracy or misuse of this data. Copyright Town of Brunswick.

Maps Prepared by: The Town of Brunswick

# Town of BRUNSWICK Maine

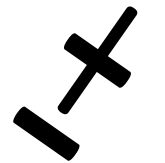


**Legend**

- Parcels\_Lines
- Town Boundary
- Other Lot Boundary
- Other Road
- - - - - ROW Property Access

**Parcels - Roads and Water**

- Public Road
- Private Road
- Right of Way
- Water



Revised To: April 1, 2020  
1 inch = 479 feet

## SHEET G01





JANUARY 15

PLANNING BOARD  
DEPARTMENT OF CONSERVATION AND RECREATION  
21 STATE HOUSE STATION  
ALLEGAN, MAINE  
603-687-0021

PAUL J. KENNEDY  
COMMISSIONER

### - RIPARIAN OWNERS 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 *QJjy* 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: Brunswick

MAP#	LOT#	Landowner name(s) and address(es)
<u>37</u>	<u>1Q</u>	Maine Coast Heritage Trust 1 BOWDOIN MILL ISLAND SUITE 201 TOPSHAM ME 04086 M
<u>37</u>	<u>Z</u>	PERRY, ALLAN S & KAREN R JT 11 CAPTAINS WAY HARPSWELL ME 04079
<u>11</u>	<u>1</u>	MYER, BRUCE W & PATRICIA W JT 521 GURNET RD BRUNSWICK ME 04011
<u>11</u>	<u>1:</u>	KNEDLER, RICHARD D PO BOX 15432 PORTLAND ME 04112
<u>11</u>	<u>11.</u>	AGNE, JONATHAN D & LAUREN B TR 39 FOUR WHEEL DR BRUNSWICK ME 04011
<u>G01</u>	<u>1A</u>	HILL, MALCOLM & APRIL (JT) 51 FOUR WHEEL DR BRUNSWICK ME 04011
<u>G01</u>	<u>J..Q</u>	MCKENZIE, ALEXANDER J & JAMIE B 150 STUART LN WATERBURY VT 05676
<u>fill.1</u>	<u>01</u>	JOWETT, DOUGLAS R & SUSAN A JT 61 FOUR WHEEL DR BRUNSWICK ME 04011

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

**Please use additional sheets if necessary and attach hereto.**

**CERTIFICATION**

I, John J. ..., Town Clerk of the Town of ..., 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: John J. ...

DATE: 10/14/21



THE STATE OF MAINE  
 DEPARTMENT OF THE ENVIRONMENT  
 AND NATURE  
 COMMISSIONER

PATRICK C. KELHER  
 COMMISSIONER

MAINE

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TOWN OF: Harpswell

MAP#	LOT#	Landowner name(s) and address(es)
fill	lli	Indian Rest LLC, C/O Richard D Knedler, PO Box 15432, Portland, ME 04112
.5.1	ll2	Patrick E Malloy III, PO Box 1979, Sag Harbor, NY 11963
fill	ill	Cynthia A Bush, 152 Gurnet Landing Road, Harpswell, Maine 04479 0'#07
50	176	INDIAN REST VILLAGE IMPROVEMENT SOCIETY POB 574 BROWSWICK ME 04011
<del> </del>		
<del> </del>		
<del> </del>		
<del> </del>		

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

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, Catherine J. Dougherty Clerk for the Town of Windsor certify that the names and addresses of the property Windsor 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:  
*Catherine J. Dougherty*

DATE: \_\_\_\_\_  
 09/01/08



**MAINE DEPARTMENT OF MARINE RESOURCES**

*Aquaculture Division, 21 State House Station, Augusta, ME 04333-0021 (207) 624-6567*

**CORPORATE APPLICANT FORM  
For Standard and Experimental Aquaculture Lease Applications**

Corporations or partnerships that apply for aquaculture leases in the State of Maine must complete this form. Corporations must submit information as requested under A. Corporate Applicant. Partnerships must submit information as requested under B. Partnership Applicant.

**A. Corporate Applicant**

**Note:** You must attach a copy of the Articles of Incorporation (Inc.) or Certificate of Formation (LLC) to your application.

- 1. Name of Corporation: Ferda Farms LLC
- 2. Date of incorporation: July 1<sup>st</sup>, 2018    State of incorporation: Maine

3. List the names, addresses, and titles of all officers:

<b>Name</b>	<b>Address</b>	<b>Title</b>
Samuel Dorval	28 Lamb Farm Road, Brunswick, ME	Co-Owner/ CMO
Maxwell Burtis	9 Pinefields Lane, Brunswick, ME	Co-Owner/ CTO
Christopher Burtis	9 Pinefields Lane, Brunswick, ME	Co-Owner/ Director of Operations

**Please use additional sheets if necessary and attach to the application.**

4. List the names and addresses of all directors/members:

<b>Name</b>	<b>Address</b>

**Please use additional sheets if necessary and attach to the application.**

5. Has the corporation, or any stockholder, director, or officer applied for an aquaculture lease for Maine lands in the past?  Yes  No

If you selected "yes," please indicate who applied for the lease and the status of the application or lease.

Samuel Dorval, under Ferda Farms LLC, applied for a 3.86 acre experimental lease. The lease was approved for bottom gear only but withdrawn by the applicant.

6. List the names and addresses of all stockholders who own or control at least 5% of the outstanding stock and the percentage of outstanding stock currently owned or controlled by each stockholder.

Name	Address	Percentage of Owned Stock
Christopher Burtis	9 Pinefields Lane, Brunswick, ME	40
Maxwell Burtis	9 Pinefields Lane, Brunswick, ME	30
Samuel Dorval	28 Lamb Farm Road, Brunswick, ME	30

**Please use additional sheets if necessary and attach to the application.**

7. List the names and addresses of stockholders, directors, or officers owning an interest, either directly or beneficially, in any other Maine aquaculture leases, as well as the quantity of acreage from existing aquaculture leases attributed to each such person based on the percentage of owned stock listed in question 6. If none, write, "None."

Name	Address	Lease Acronym	Acreage
None			

**Please use additional sheets if necessary and attach to the application.**

8. Has the corporation or any officer, director, member, or shareholder listed in item 5 above ever been arrested, indicted, convicted of, or adjudicated to be responsible for any violation of any marine resources or environmental protection law, whether state or federal?

Yes  No

If you selected "yes", please provide details.

**B. Partnership Applicant**

**Note:** You must attach a copy of either the Certificate of Limited Partnership or documentation of the formation of a General Partnership to your application.

1. Name of Partnership: \_\_\_\_\_

2. Date of formation: \_\_\_\_\_ State of partnership: \_\_\_\_\_

3. List the names, addresses, and ownership shares of all partners:

Name	Address	Ownership Shares

**Please use additional sheets if necessary and attach to the application.**

4. Has the partnership, or any partner applied for an aquaculture lease for Maine lands in the past?  Yes  No

If you selected "yes," please indicate who applied for the lease and the status of the application or lease.

5. List the names and addresses of any partner owning an interest, either directly or beneficially, in any other Maine aquaculture leases, as well as the quantity of acreage from existing aquaculture leases attributed to each such person, based on their ownership shares from question 3.

Name	Address	Lease Acronym	Acreage


**Please use additional sheets if necessary and attach to the application.**

6. Has the partnership or any partner been arrested, indicted or convicted of or adjudicated to be responsible for any violation of marine resources or environmental protection law, whether State or Federal?

Yes  No

If you selected "yes", please provide details.





MAINE  
LIMITED LIABILITY COMP.ANY

STATE OF MAINE

CERTIFICATE OFFORMATION

Filing Fee \$175.00

• File No. 20190124DC Pages2  
Fee Paid \$ 175  
DCN 2181922260012 DLLC  
**-FILEDs-----**  
07/03/2018

*Julie L. Flynn*  
Deputy Secretary of State

A True Copy When Attested By Signature

*Julie L. Flynn*  
Deputy Secretary of State

Pursuant to 31M RSA §15:31, the undersigned executes and delivers the following Certificate of Formation:

**FIRST:** The name of the limited liability company is:

**Ferda Farms LLC**

(A Jiau Jiabi 111 company name must contain the words "limited liability company" or "limited liability company" or the abbreviation "LL.C.", "LLC," "L.C." or "LC" or, in the case of a low-profit limited liability company, "L3C" or "Bo" - see 31M RSA 150g.)

**SECOND:** Filing Date: (select one)

**D** Date of this filing; or  
Date effective date (specified here): \_\_\_\_\_

**THIRD:** Designation as a low-profit LLC (Check only if applicable):

- D** This is a low-profit limited liability company pursuant to 31 MRSA §1611 meeting all qualifications set forth here:
  - A The company intends to qualify as a low-profit limited liability company;
  - B. The company must at all times significantly further the accomplishment of one or more of the charitable or educational purposes within the meaning of Section 170(c)(2)(B) of the Internal Revenue Code of 1986, as it may be amended, revised or succeeded, and must list the specific charitable or educational purposes the company will further;
  - C. No significant purpose of the company is the production of income or the appreciation of property. The fact that a person produces significant income or capital appreciation is not, in the absence of other factors, conclusive evidence of a significant purpose involving the production of income or the appreciation of property; and
  - D. No purpose of the company is to accomplish one or more political or legislative purpose within the meaning of Section 170(c)(2)(D) of the Internal Revenue Code of 1986, or its successor.

**FOURTH:** Designation as a professional LLC (Check only if applicable):

**D** This is a professional limited liability company\* formed pursuant to 13 MRSA Chapter 22uA to provide the following professional services:

\_\_\_\_\_  
(Type of professional services)

**FIFTH:**

The Registered Agent is: (select either a Commercial or Noncommercial Registered Agent)

**0**

Commercial Registered Agent

CRAPublicNWIMr. \_\_\_\_\_

(Name of commercial registered agent)

Noncommercial Registered Agent

**Christopher Burtis**

(Name of noncommercial registered agent)

**9 Pinefields Ln**

-----"IP.hY.sii:allo.eation;ilitP.O. Box:-=sheet;cfy;stfue".mldzjqcdde)

**Brunswick, ME 04011**

(mailing address if different from above)

**SIXTH:**

to 5 MRSA §105.2, the registered agent listed above has consented to serve as the registered agent for this limited liability company.

**SEVENTH:**

the members determine to include a self in the articles and made a partner thereof.

Dated June 28, 2018

**e:Et...;Z**

**Christopher Burtis**

(Type or print full name)

**Max J.**

(Signature of authorized person)

**Maxfield Friel**

(Type or print full name)

\*Example of permitted service providers: accountants, attorneys, chiropractors, dentists, registered nurses and veterinarians. (This is not an inclusive list - see 13 MRSA §723.7)

Pursuant to 13 MRSA §1676.1-A, a Certificate of Incorporation shall be signed by at least one officer.

The execution of this certificate is an affirmation of the duties of the officer under 13 MRSA §453.

Submit complete form to the Secretary of State.

Secretary of State

Division of Corporations, UCC and Commission

11 State Office Station

August 1, ME 04333-0101

Telephone Inquiries: (207) 624-7752

Email inquiries: CEC.Corporations@Maine.gov



July 23, 2021

To Whom it May Concern:

Midcoast Federal Credit Union holds a business account for Ferda Farms, LLC. This account is open and active as of today. This account is also in good standing with us at a positive balance today.

If there should be any further questions, please don't hesitate to call us at (877) 964-3262.

Thank you,

A handwritten signature in black ink, appearing to read "Kaitlyn Prior", is written over a light grey circular stamp.

Kaitlyn Prior

eBranch Assistant Manager

(877) 964-3262 ext 1816

209 New County Rd. Thomaston, ME 04861  
207.594.7775 | 877.964.3262

**FREEMPORT**

**BRUNSWICK**

**BATH**

**EDGECOMB**

**THOMASTON**

Federally insured by NCUA

# Attachment: Resume - Maxwell Burtis

## MAXWELL BURTIS

9 Pinefields Ln | Brunswick, ME 04011 | (207)751-3687 | maxwell.burtis@maine.edu

### SUMMARY

A highly motivated, skilled mechanical engineer with an aptitude for design and prototyping, taking advanced courses in neuroscience and artificial intelligence.

### EDUCATION

B.S. Mechanical Engineering, Honors College, Neuroscience Minor, *University of Maine, Orono*,  
Expected Graduation - May 2022

- 3.89 GPA, Dean's List all five semesters, Presidential Scholar
- Graduated from Brunswick High School in 2018
- Second semester Junior

### SKILLS AND ACTIVITIES

#### Technical Skills / Experience

- Solidworks CAD modeling, component design, multipart assemblies, 3D printing prototypes
- Multiple business pitch competitions, a good understanding of what makes a sound business
- Advanced coursework: Neurobiology, Biopsychology and Behavioral Neuroscience, Mechanical Vibrations, Fundamentals of Electrical Circuits, Machine Learning, Computational Tools for Mechanical Engineers, Controls, Design I, Thermodynamics II

#### Activities

- Sigma Phi Epsilon Fraternity - Chaplain
- Engineers without Borders - Design team member
- Class of 2022 Council - President
- Student Alumni Ambassadors - Vice President
- Mechanical Engineering Ambassador
- Maine Bound Adventure Center - Outdoor adventure trip leader

### EXPERIENCE

Mechanical Engineering Intern, *Starc Systems – Brunswick, ME*

June 2018-  
August 2018

- Worked at a manufacturing and design facility to spearhead tolerance studies, conducted materials research and verified models in Solidworks

Co-Founder / Chief Technology Officer, *Ferda Farms LLC – New Meadows River, ME*

June 2018 -  
present

- Grand Prize and Tech Prize winner of the UMaine Business Challenge pitch competition for a \$15,000 cash prize
- Designing an improved oyster tumbling machine
- Researched hard shell clam husbandry technique
- Involved in a research project with Dr. Paul Rawson, UMaine, to determine growth factors in individual oysters

28 Lamb Farm Road, Brunswick, US-ME 04011 • (207) 208-9707 • Samuel.Dorval@maine.edu

## **Professional Summary**

Motivated and young business owner with excellent marketing, management, and operations experience. Very effective with customer relations and business promotion. Seeking a management position in marketing with a focused and profit oriented organization.

## **Skills**

- Staff management
- Relationship building
- Business development
- Financial management
- Project management
- Computer proficient

## **Professional Experience**

**Co-Owner, CMO, 07/2018 to Current**

**Ferda Farms LLC – Brunswick, US-ME**

- Own and operate local oyster farm in the New Meadows River, Brunswick, Maine.
- Complete B2B transactions and manage efficient supply change of product to customers.
- Provide social media and graphic design to run numerous online accounts for business promotion.
- Maintain documentation for areas such as orders, activities, schedules and employee performance.
- Keep records of company finances and records.

**Busser, 03/2017 to 08/2018**

**Frontier Restaurant and Cinema – Brunswick, US-ME**

- Bussed tables and bars to keep customer flow for servers.
- Catered social events including weddings and proms.
- Perform work efficiently and quickly to ensure smooth and timely service to all customers.
- Improved customer satisfaction rates by resolving service issues in a timely manner.

**Phi Gamma Delta Fraternity - Orono, US-ME**

**Head of Recruitment – 04/2019 to Current**

- Managed and organized active recruiting events for all 51 members of the fraternity.
- Use unique social skills to create relationships with potential new members.
- Create potential new member profiles using Excel to actively track their demographics.

### **Financial Collections – 04/2019 to Current**

- Organize and manage event finances using excel for all 51 members of the fraternity.
- Directed hand in hand with fraternity treasurer to create smooth transactions for events.
- Use Microsoft Excel to plan and plot member finances for events and maintain outstanding balances.

### **Education**

**Bachelor of Science: Marketing, 2021**

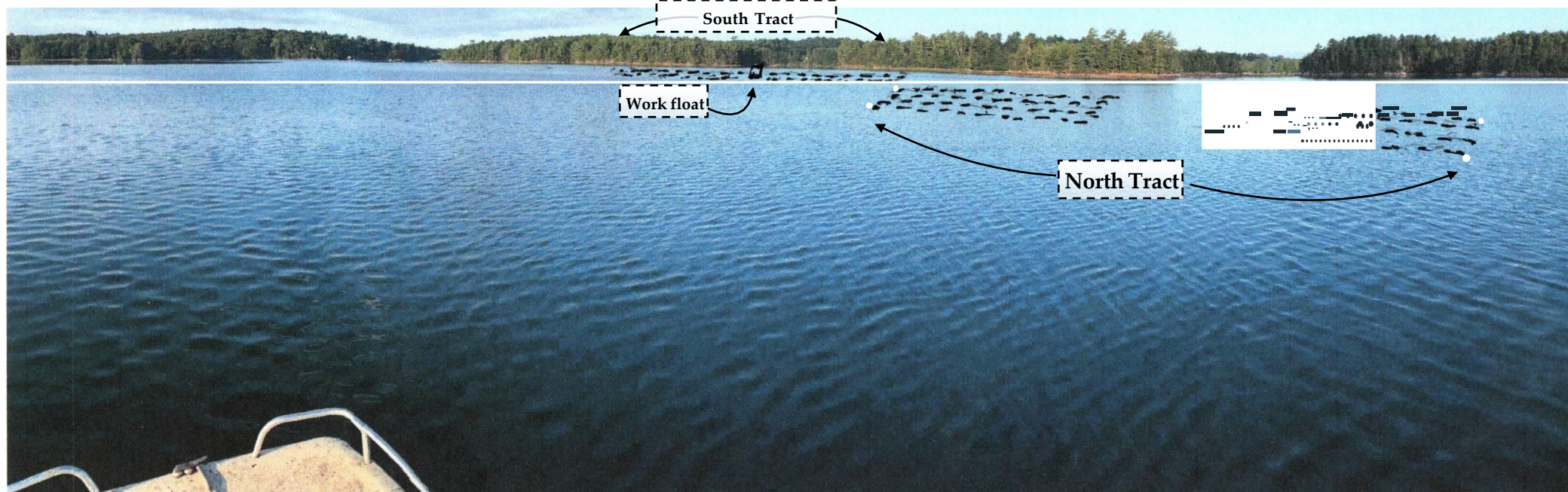
**University of Maine - Orono, ME**

**High School Diploma: 2018**

**Brunswick High School - Brunswick, ME**

**Equipment layout  
Vantage point #1**

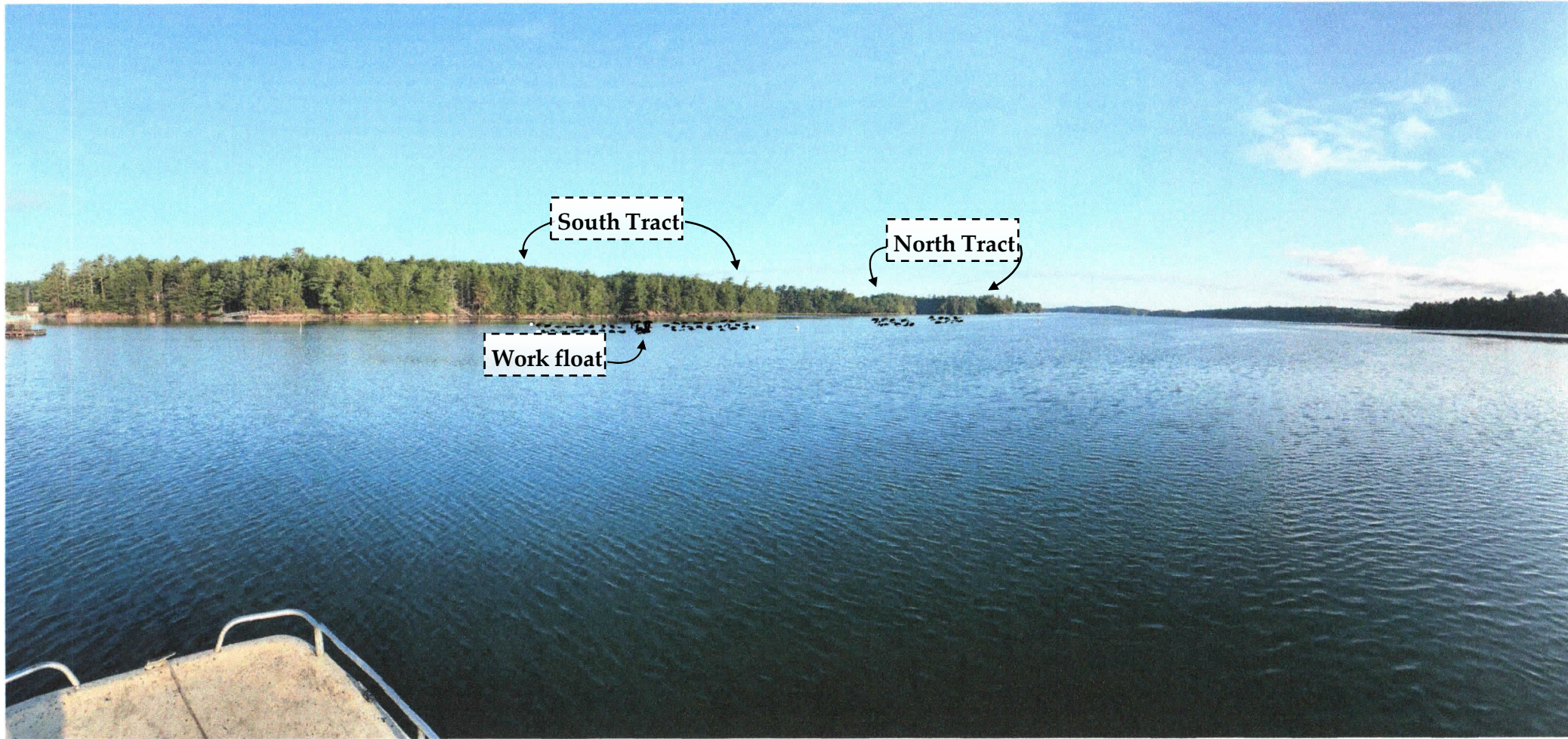
**Attachment: Section 7.E**



**Vantage point #1 location  $43^{\circ}51'55.5''N$  ,  $69^{\circ}53'50.5''W$**

Attachment: Section 7.E

Equipment layout  
Vantage point #2



Vantage point #2 location  $43^{\circ}51'34.2''\text{N}$  ,  $69^{\circ}54'10.4''\text{W}$