

THE COMPLETE PERMIT APPLICATION

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US Army Corps
of Engineers®

TOP 10

Requests for additional information

- Corps review begins when we receive a COMPLETE application
- Submitting a complete application the first time saves time and money
- Questions? Give us a call!



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10. Project Purpose

- Purpose:
 - ▶ *WHY*, not *what* you want to do
- To provide...



Project Purpose



- **Project:** Fill in wetland
- **Purpose:** Provide vehicle access to an upland area where a house would be built



Project Purpose

- **Project:** Dock
- **Purpose:**
Provide
waterway
access and
docking for 10
watercraft



Project Purpose

- **Project:** Sand grading/grooming
- **Purpose:** Provide a vegetation-free shoreline recreation area free of debris



Project Purpose

- **Project:** Fill in wetland
- **Purpose:** Provide a building pad for a single-family residence



9. Dredged material disposal site



- For dredge spoils
- Debris, structure removal
- We verify that it's upland



Map the disposal area

- Map it out, especially if multiple sites
- If wetlands are near, be specific



8. Construction sequence

- Types of equipment
- Dredge methods, material handling
- Sequence of work
- Temporary construction measures, stockpiling, sidecasting



Temporary construction measures



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7. Adjacent riparian property owner mailing addresses

- Accurate mailing address for riparian neighbors on each side of the project location
- Provide mailing address, (that may not be the physical address)



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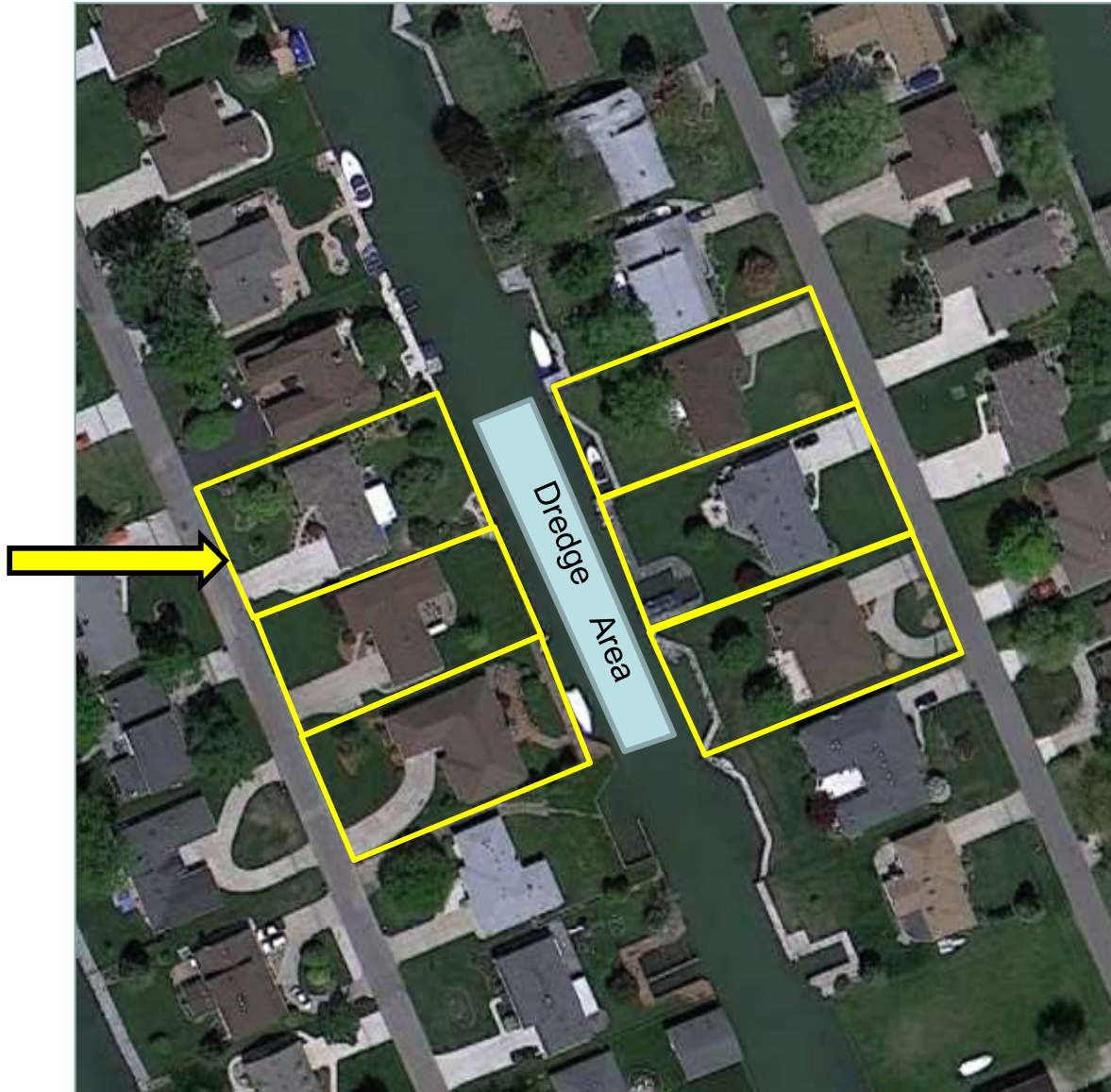
Which adjacent riparian property owners?



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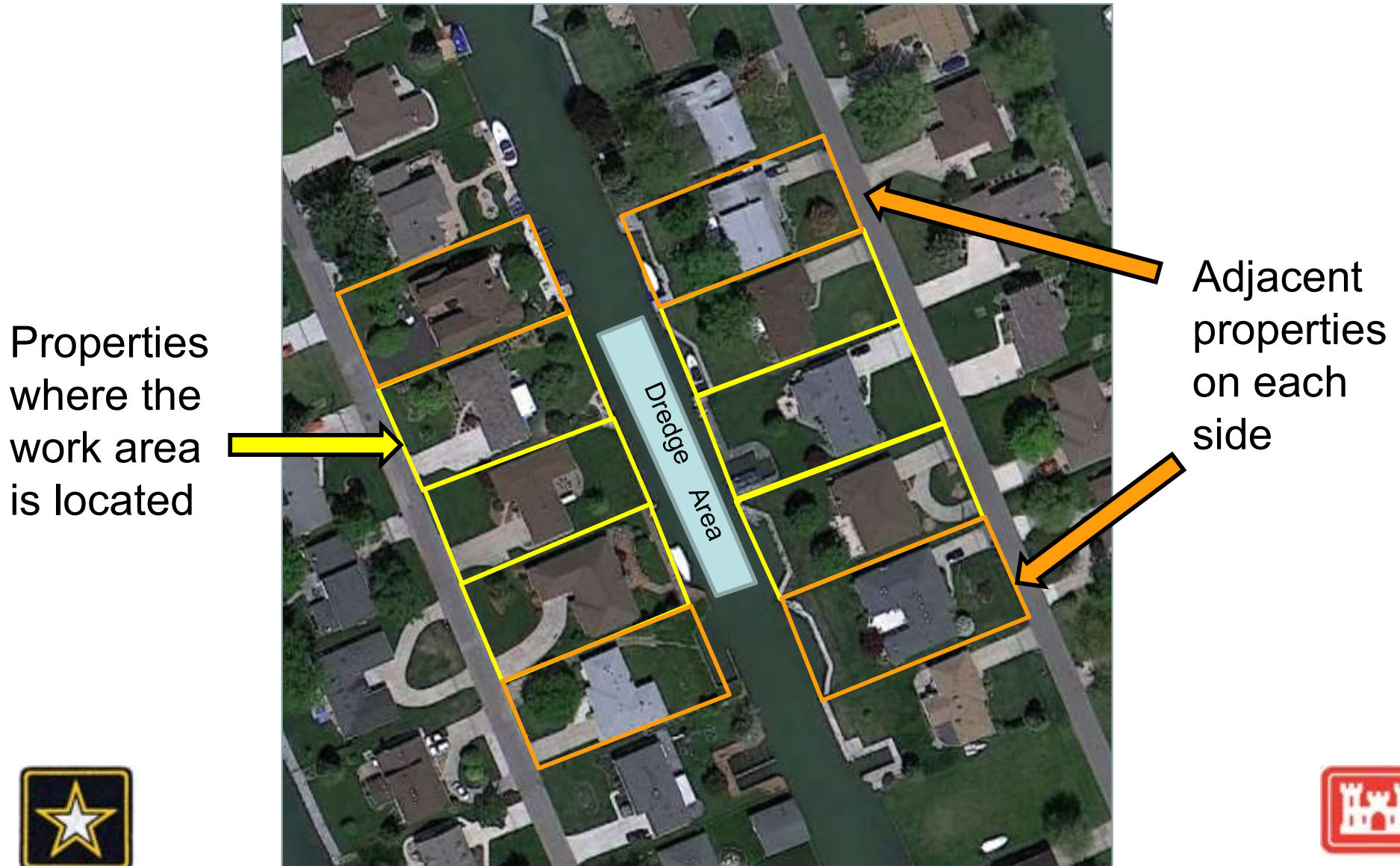
Which adjacent riparian property owners?

Properties where the work area is located



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Which adjacent riparian property owners?

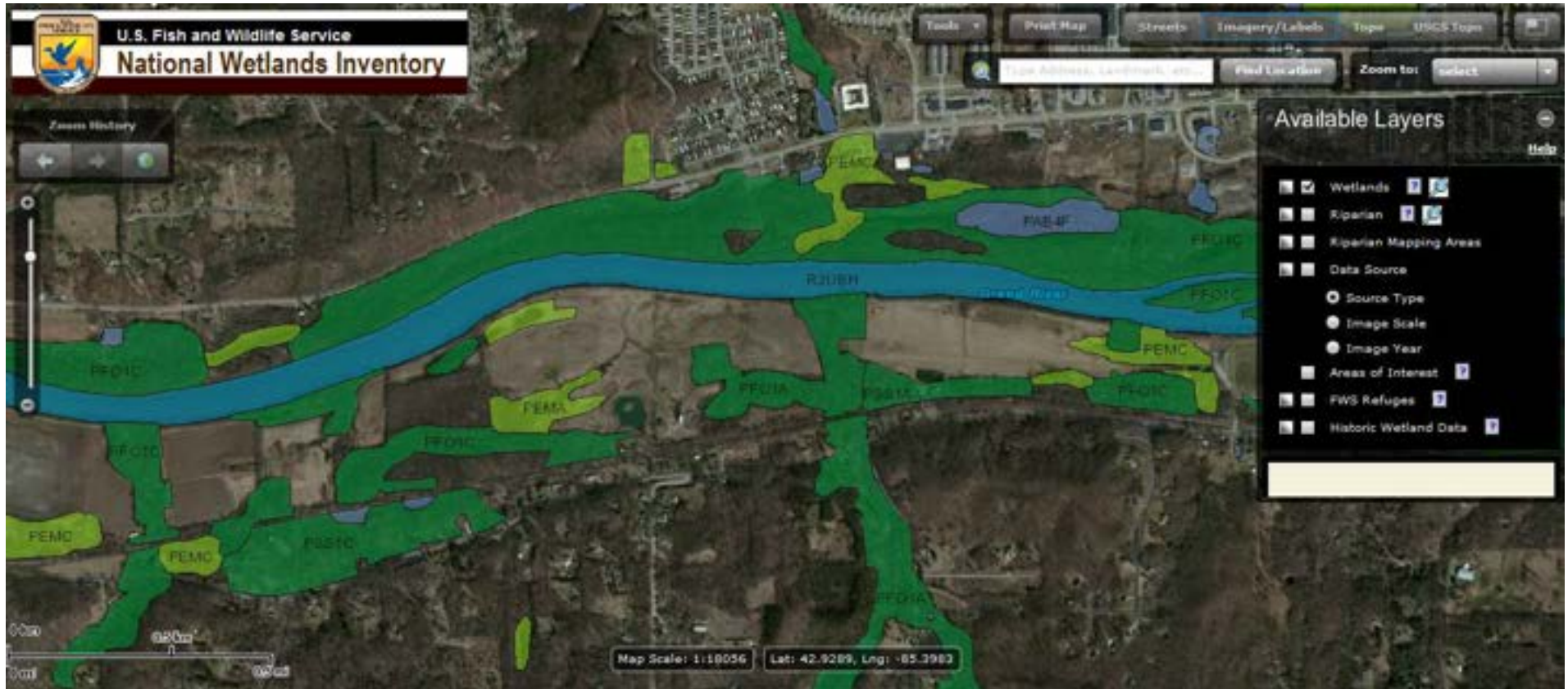


6. Presence of wetlands and potential wetland impacts

- Wetlands present?
- Provide photos
- Contact us in advance for a jurisdictional determination
 - ▶ Or contact a consultant for a wetland delineation



National Wetlands Inventory: Potential wetlands

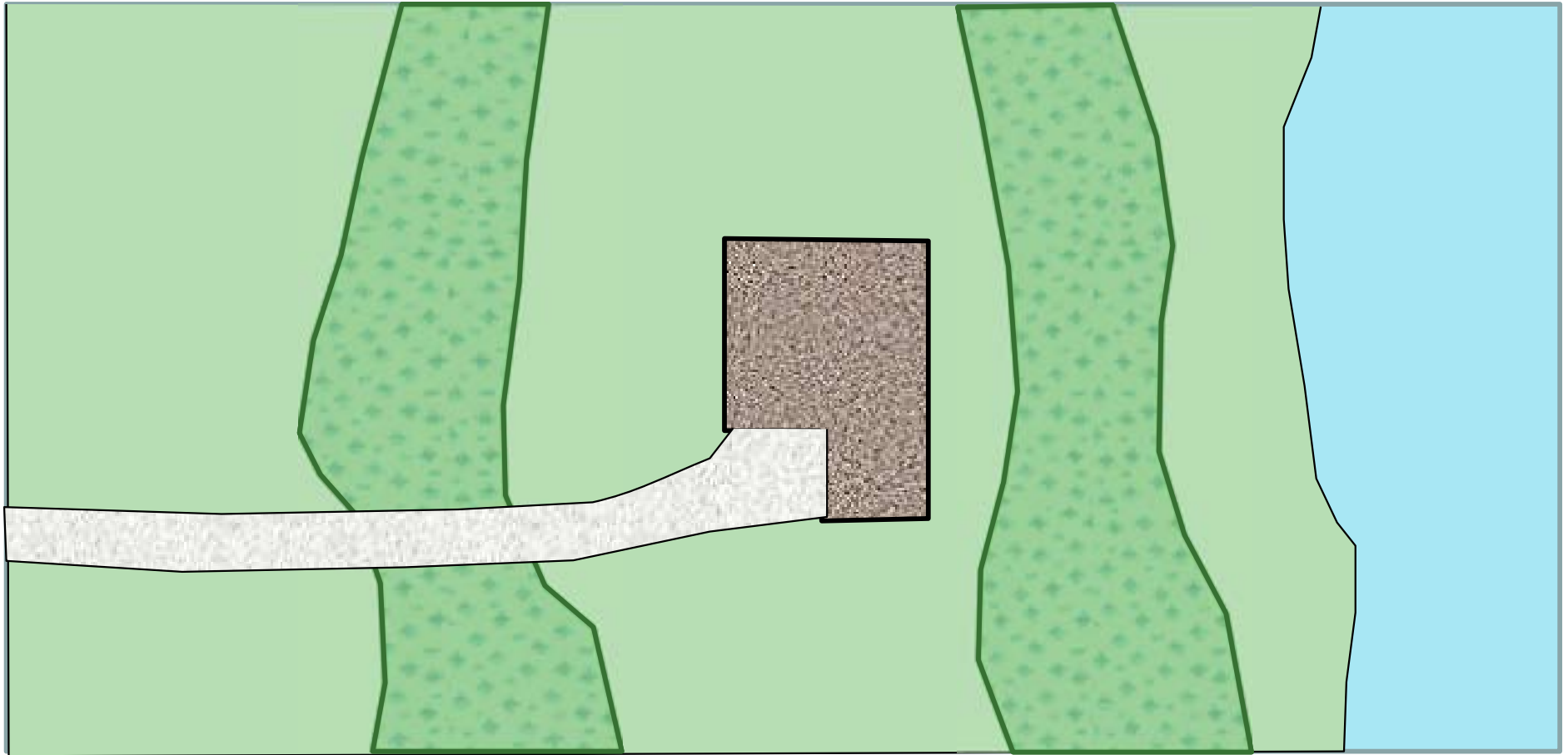


www.fws.gov/wetlands



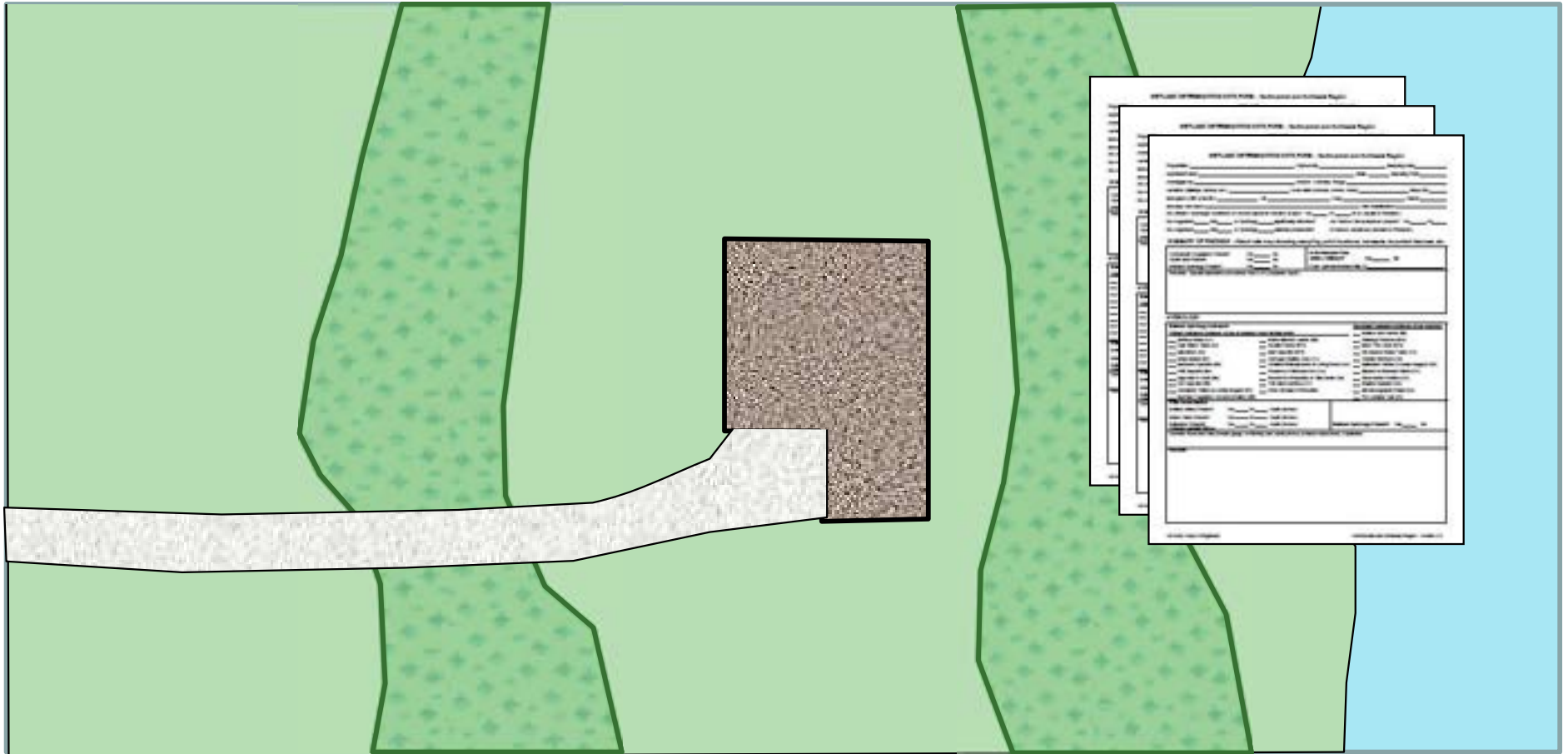
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Provide datasheets with wetland delineation map



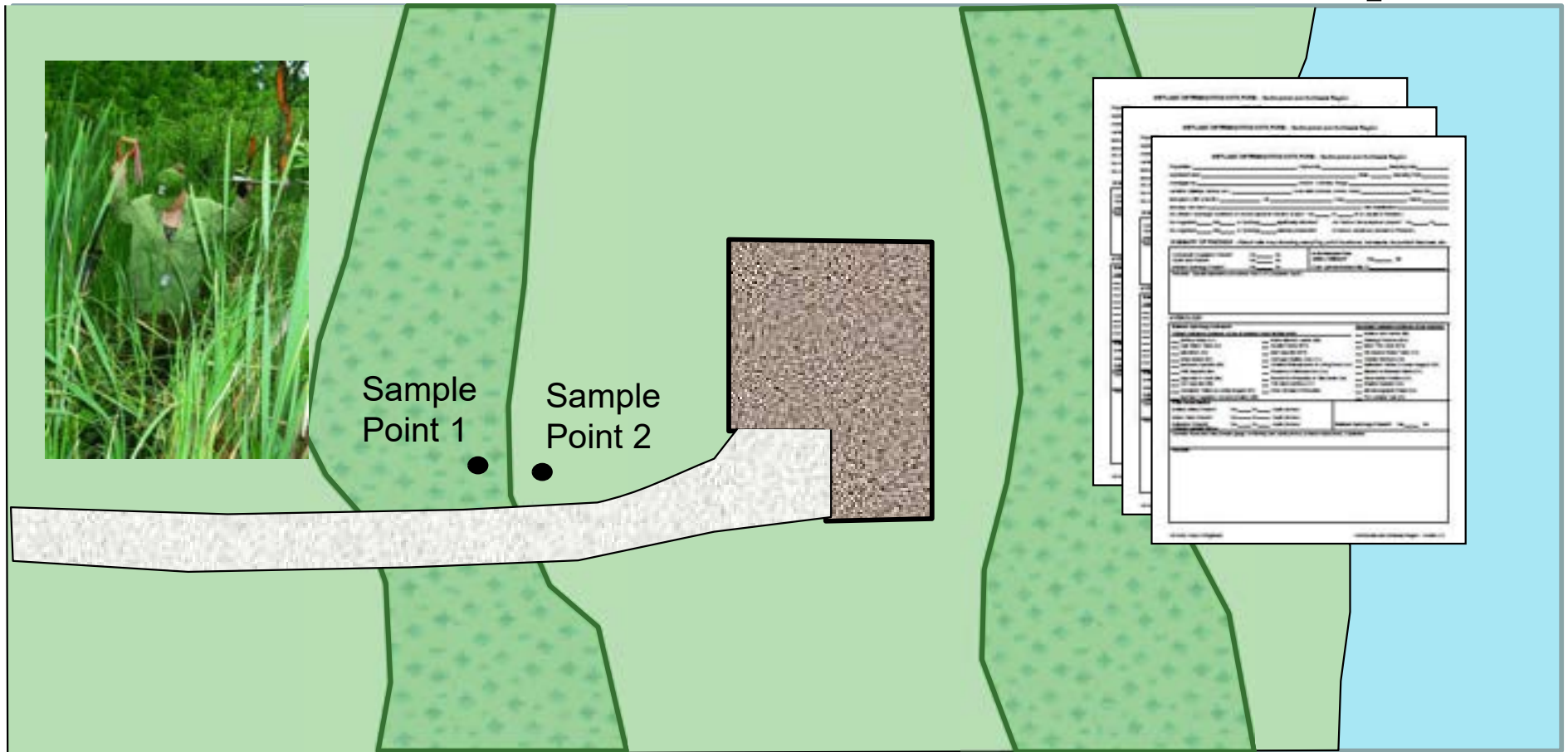
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Provide datasheets with wetland delineation map



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Provide datasheets with wetland delineation map



Corps verifies wetland boundaries in the field



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Shoreline projects

- Are there wetlands along the lakeshore?



5. Avoidance/ minimization/ mitigation statement

- Required for any project involving discharge of dredged or fill material
- Not just wetland projects



Impact Reduction

- Avoidance
- Minimization
- Compensatory Mitigation



Avoidance, Minimization, and Mitigation Statements

- Example – Driveway crossing a wetland:
 - ▶ Impacts will be minimized by **locating the driveway crossing at the narrowest part** of the wetland. A **culvert** will be placed under the fill to maintain connectivity and water flow within the wetland, and **silt fencing** will be used to prevent fill material from entering other parts of the wetland. Compensatory mitigation is not proposed because only **0.02 acre** of wetland will be impacted, and we expect minimal impact to the wetland.



Avoidance, Minimization, and Mitigation Statements

- Example – Discharge of sand on exposed lakebed for a swim area:
 - ▶ Impacts will be minimized by limiting the discharge to **25 cubic yards placed on 0.02 acre** of lakebed, by **avoiding wetland areas**, and by using **pea stone** in the waterward part of the discharge area to minimize loss of fish spawning habitat. Compensatory mitigation is not proposed because the **impact area is limited** and **does not include wetlands**.



Avoidance, Minimization, and Mitigation Statements

- Example – Discharge of fill in wetlands for a residential development
 - ▶ Impacts will be minimized by **maximizing use of upland areas**. Other offsite locations were considered for the development, but the selected property contains the **least wetland area**. The work will affect 0.6 acres of wetland, and we propose compensatory mitigation by **restoring 2.4 acres** of former, previously filled wetland as detailed in the **attached mitigation plan**.

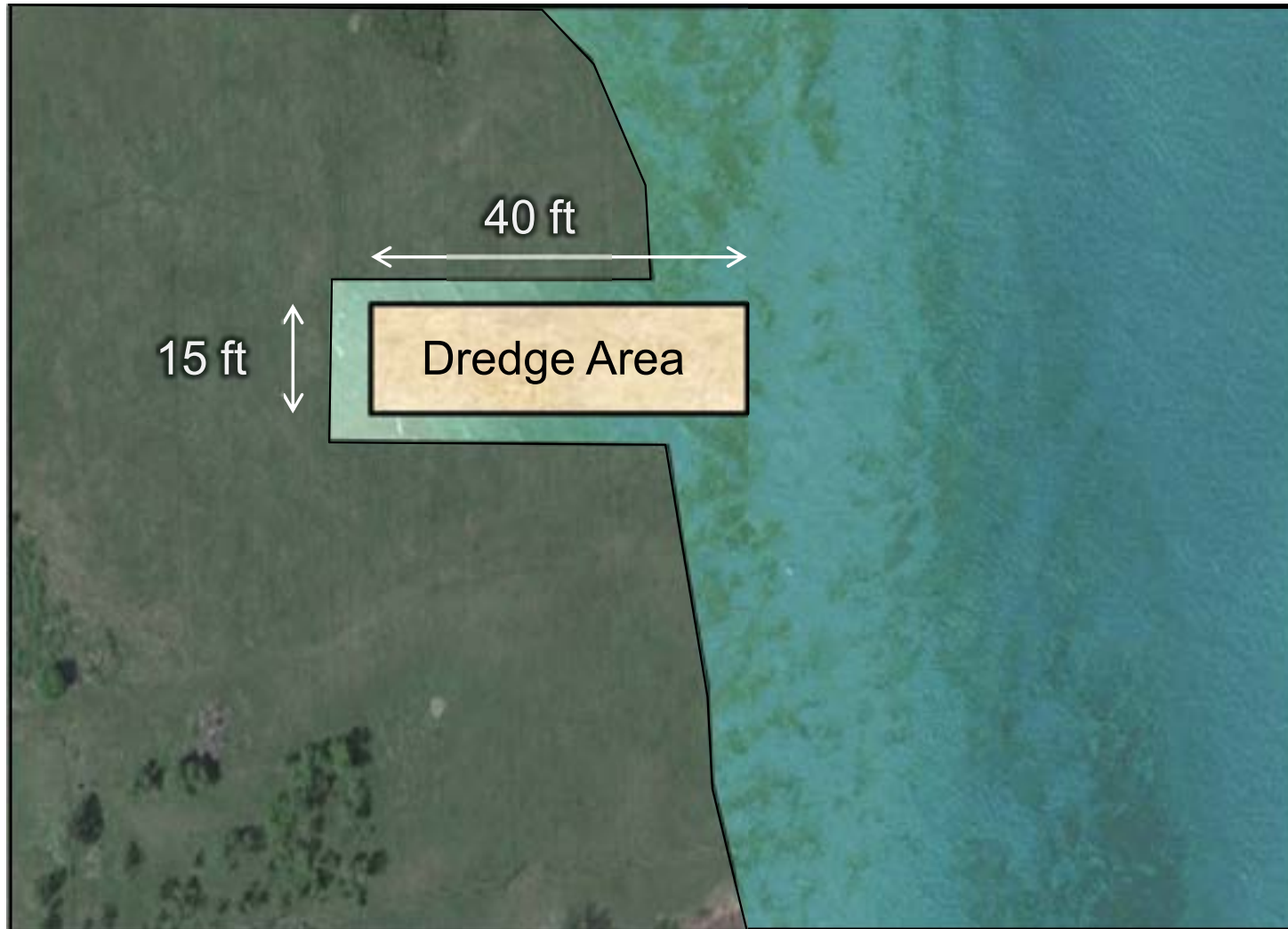


4. Include all jurisdictional work

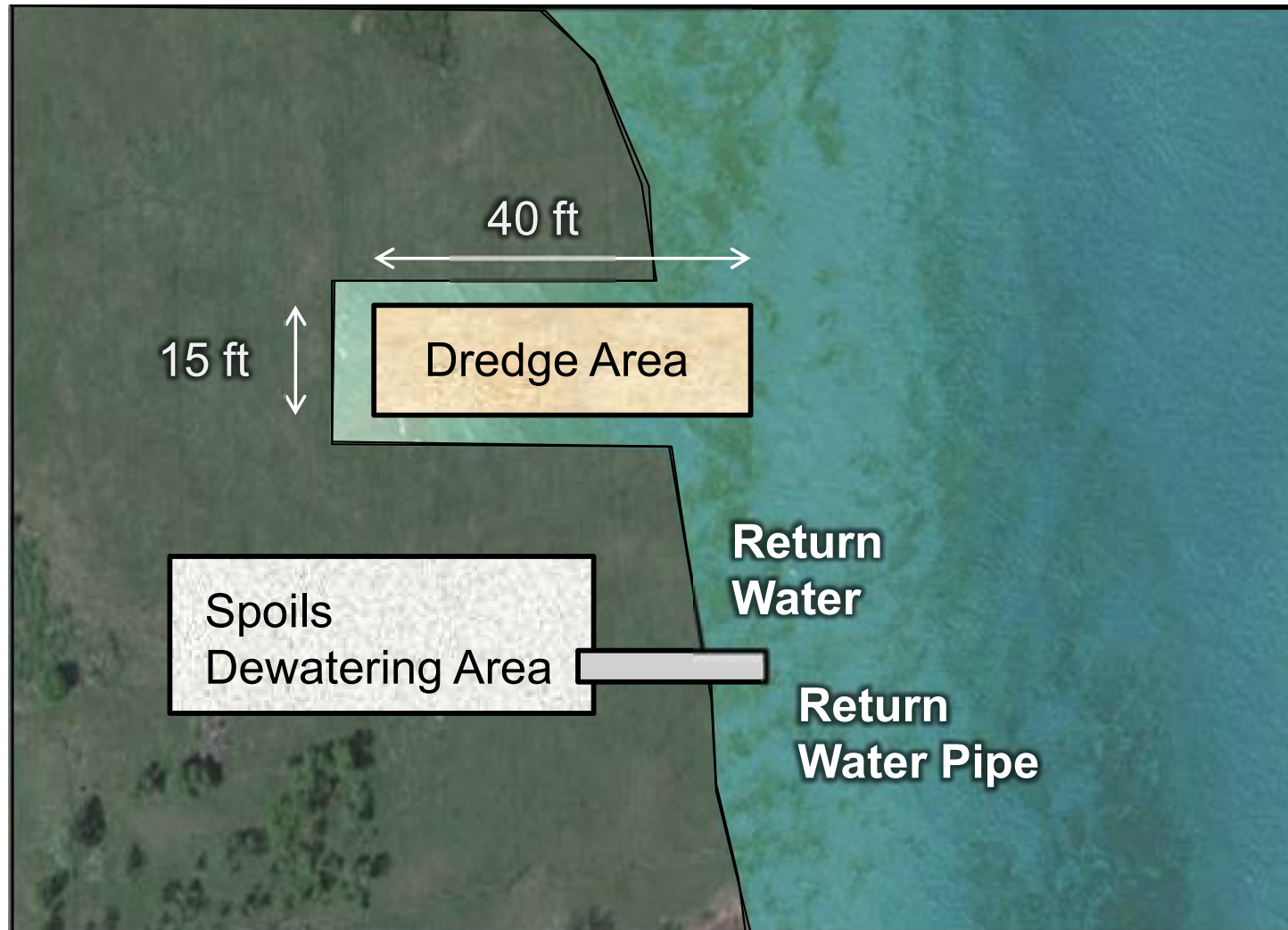
- On application
- In drawings
- Contact us in advance for a Jurisdictional Determination



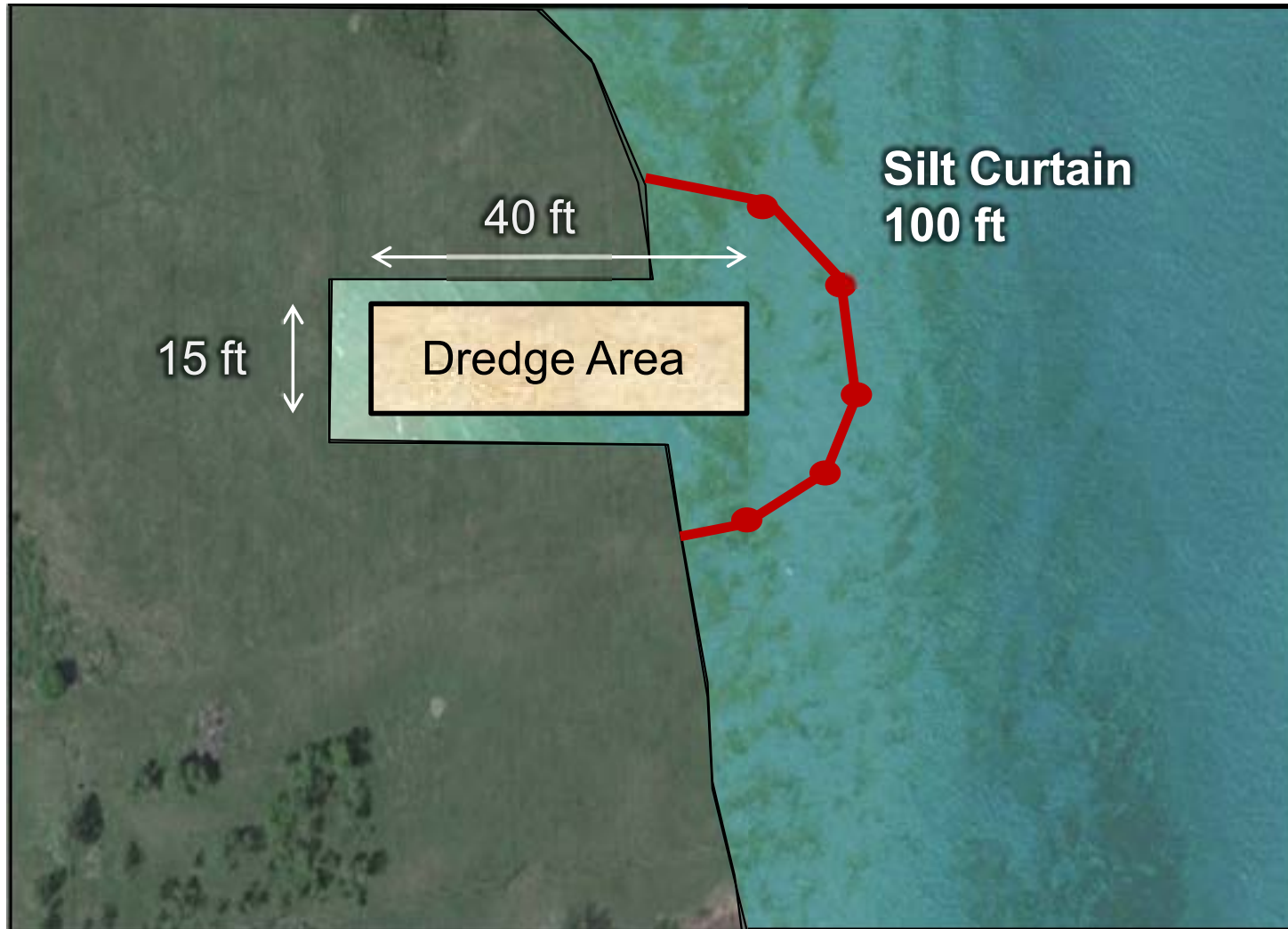
Proposed dredging



Proposed dredging



Proposed dredging



Structures or work often left out

- Stairs extending waterward of OHWM
- Seasonal piers and boat hoists
- Removal of structures
- Existing structures without a permit

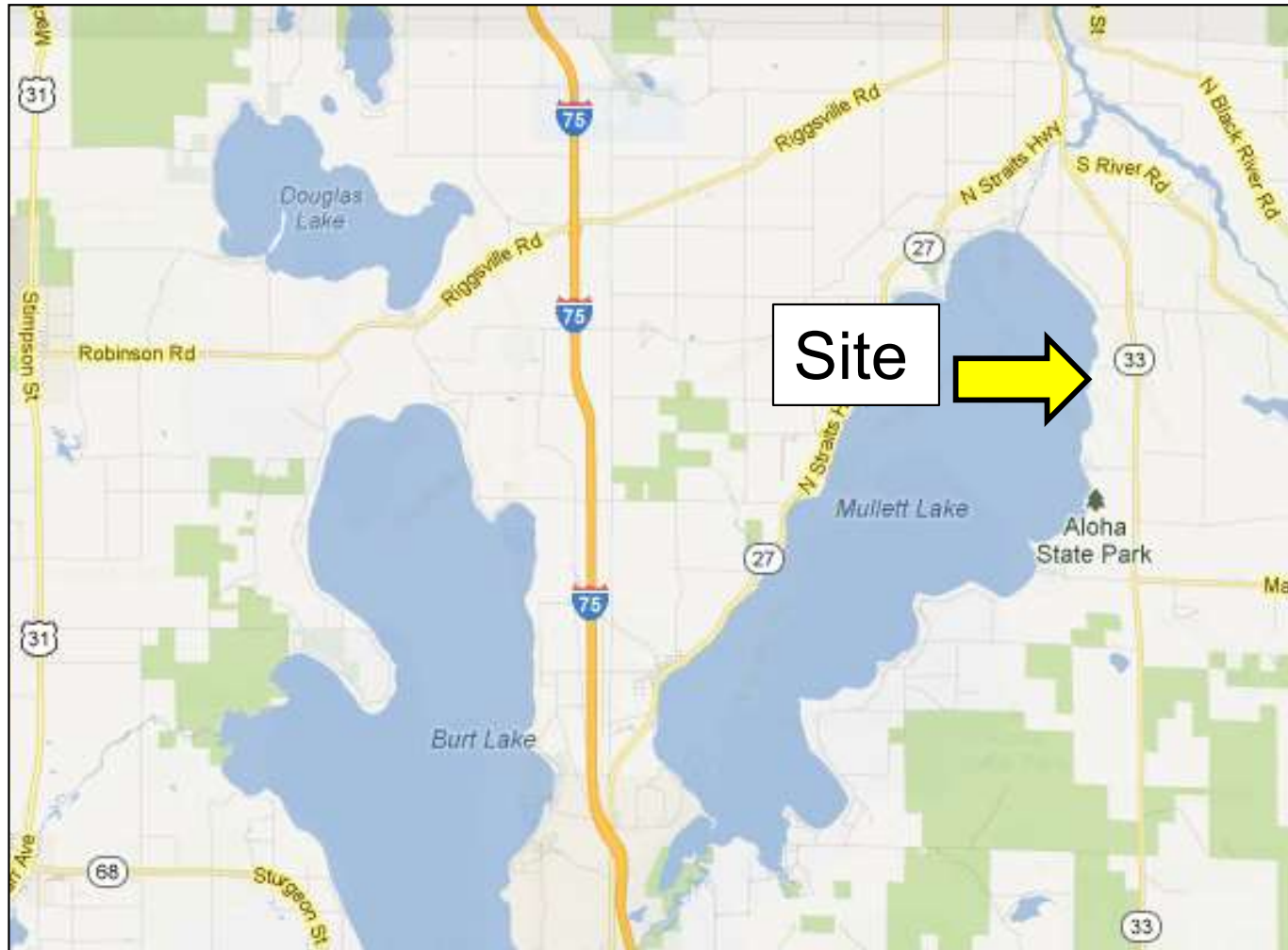


3. Project location

- Locate property on aerial photo
- Locate work area within the property



Project Location



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Project Location



Latitude/longitude



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Project Location

- Useful information:
 - ▶ Coordinates
 - Handheld GPS point
 - ▶ Color of roof
 - ▶ “Fifth house on the left, east of Bay Street”
 - ▶ Property survey

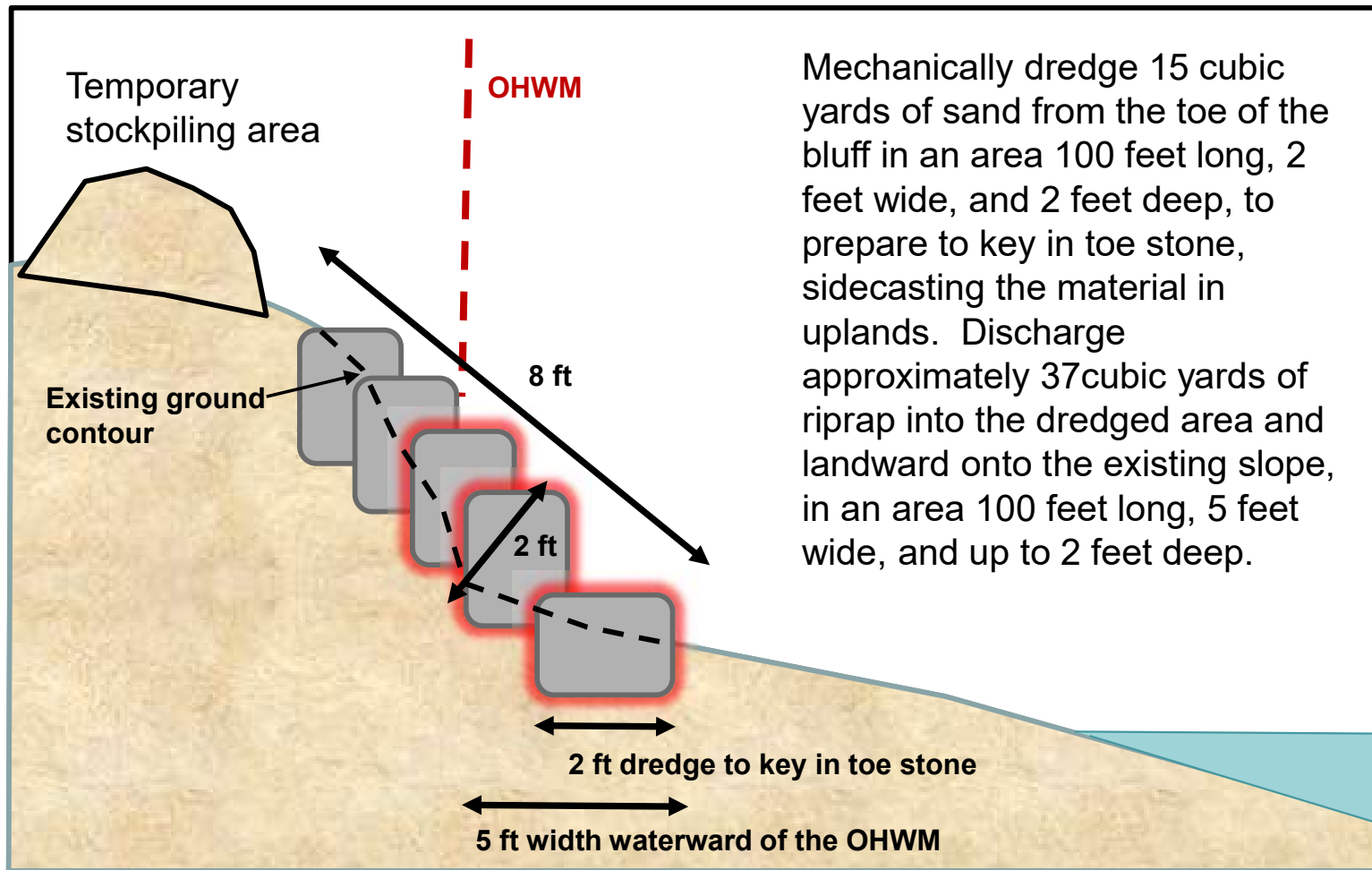


2. Quantities and dimensions

- Drawings must be consistent with application
- Include each dredge/fill area separately
 - ▶ Separate by type of material
- Include table or project narrative on additional sheets
- Fill volume calculation



Proposed revetment

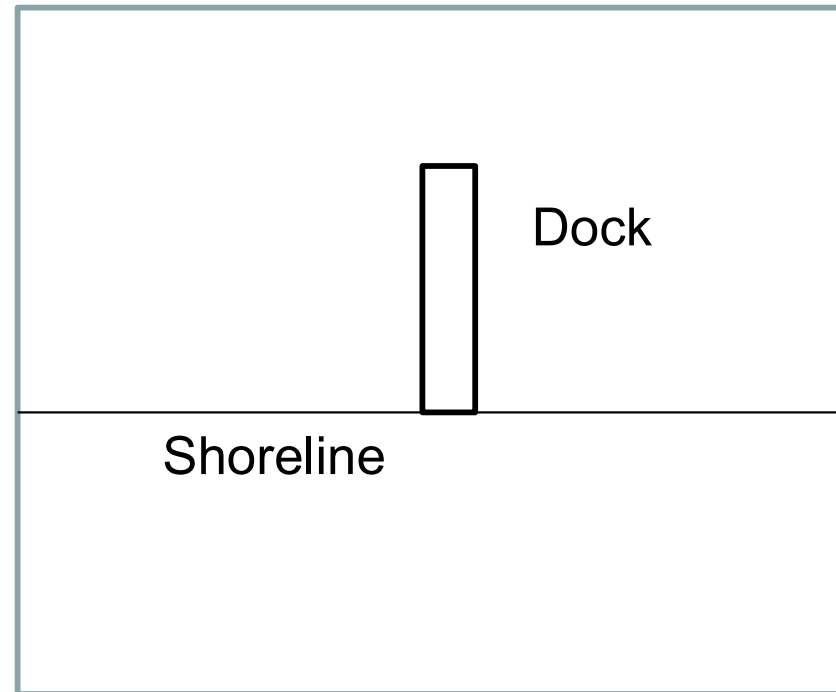
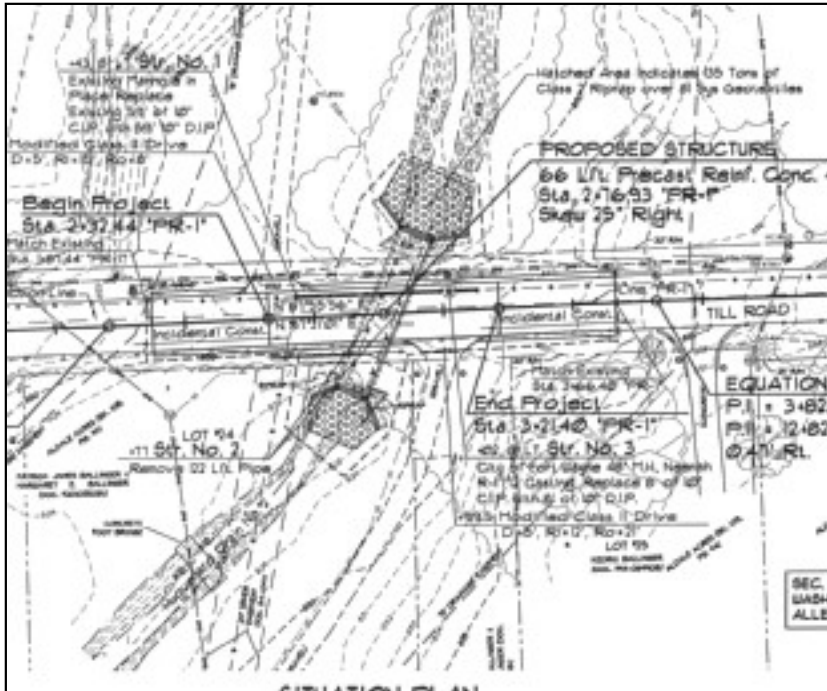


1. Drawings

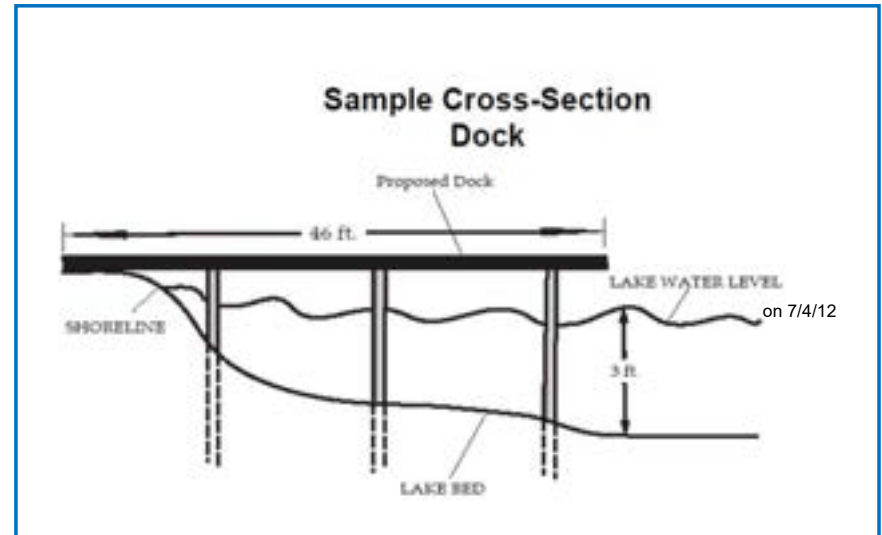
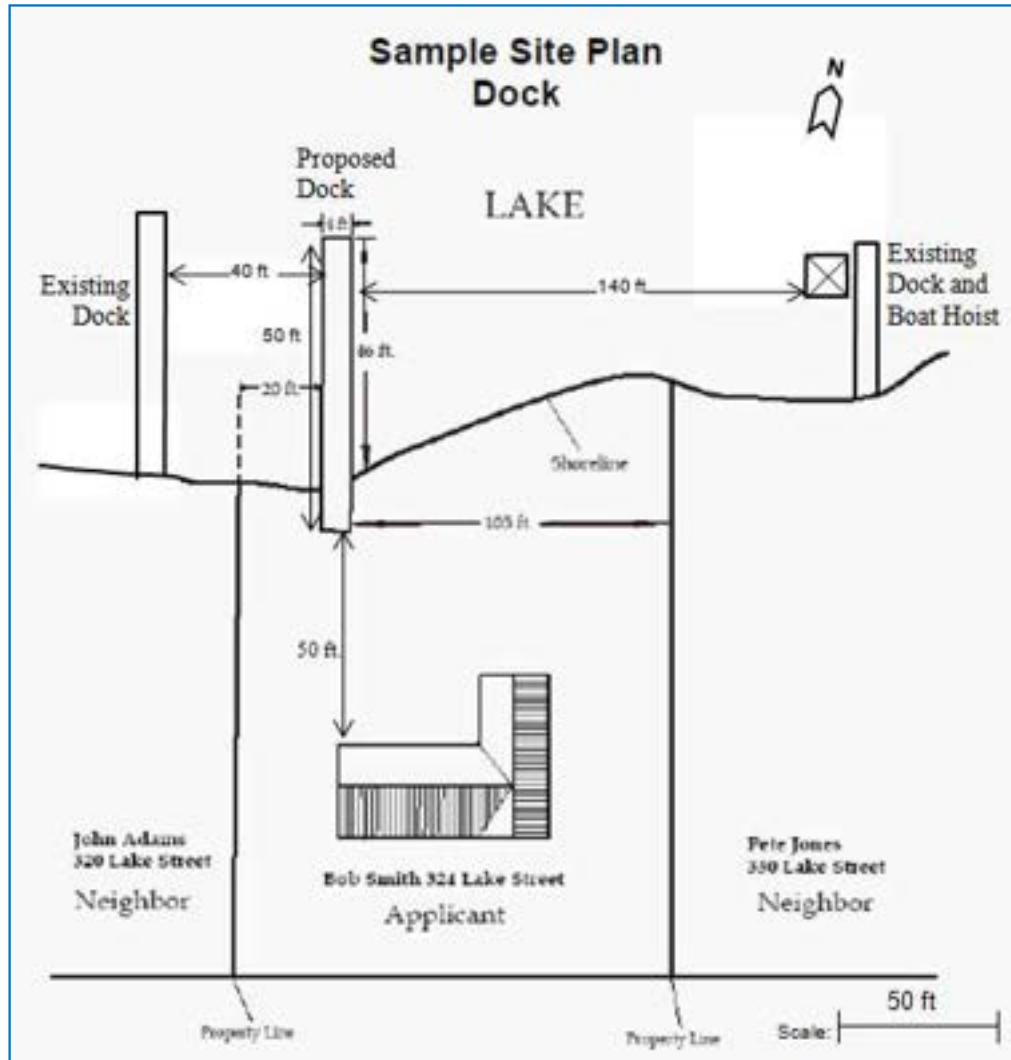
- Plan-view and cross-section
- Relevant information clear and legible
 - ▶ Even after photocopying!
- Scale drawings are best



How much detail?



Example Drawings

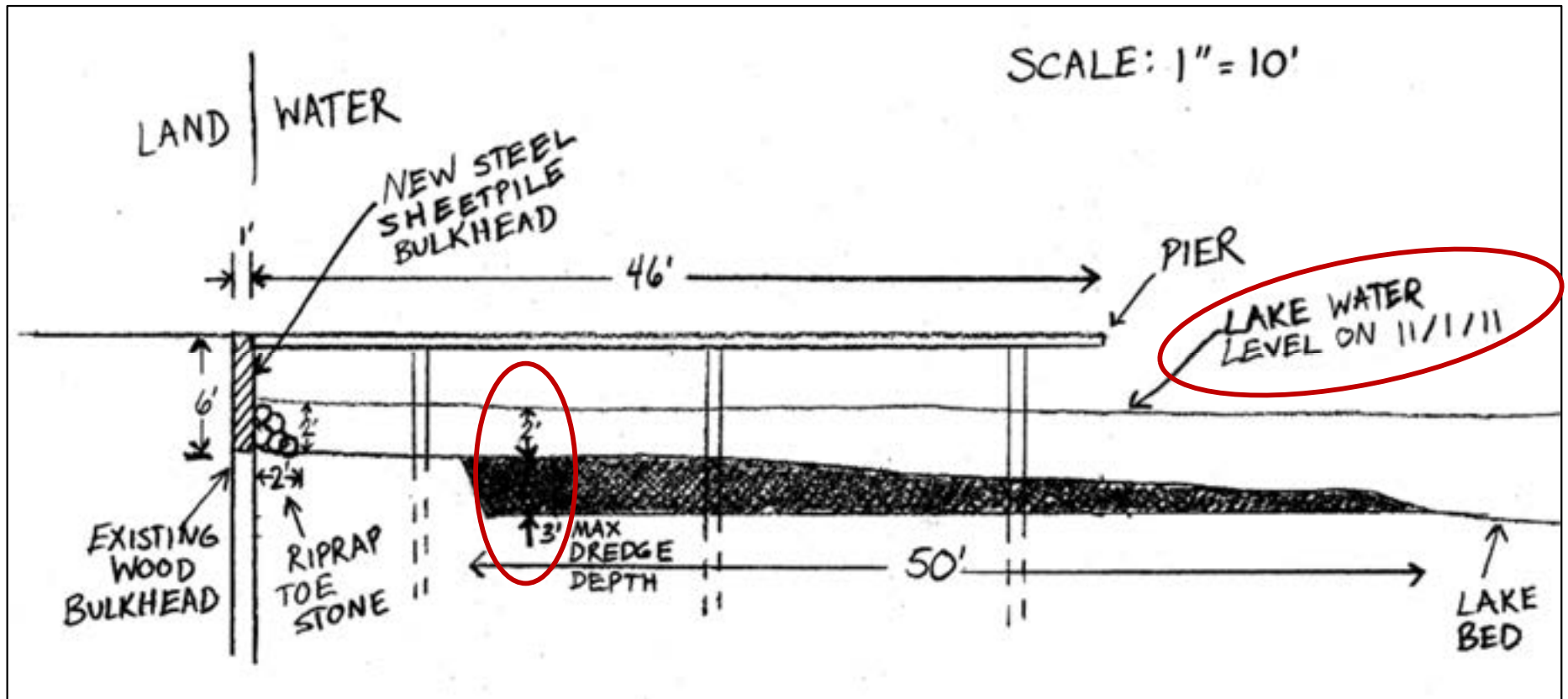


Cross-section

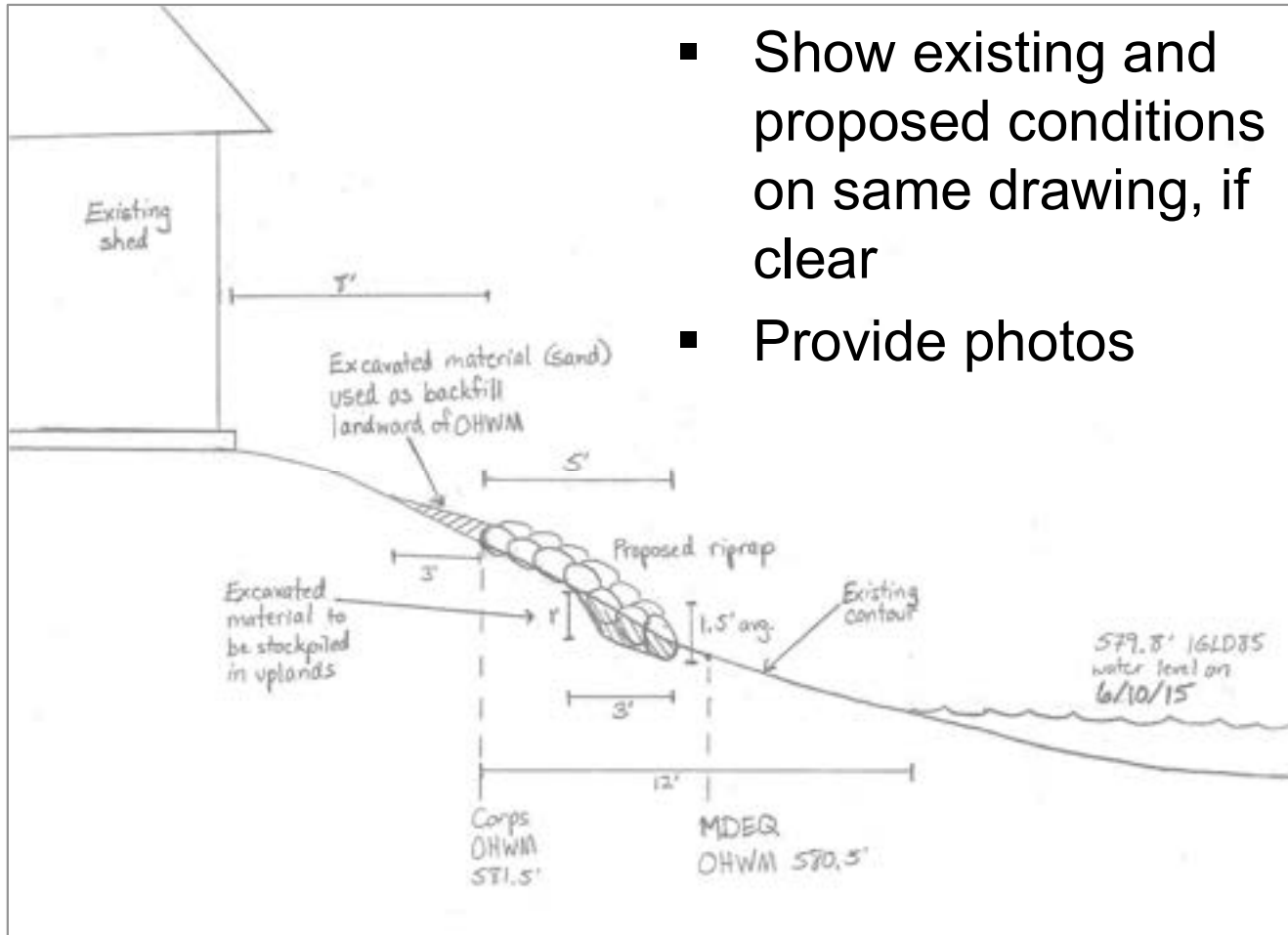
- Side view
- Show elevation information in relation to:
 - ▶ A specific datum (IGLD 1985) OR
 - ▶ The water level on (date you specify)
- Bottom elevation for dredging



Cross-section



Show existing conditions



- Show existing and proposed conditions on same drawing, if clear
- Provide photos



Elevation

- Surveyed elevations? Specify the datum.
- In Muskegon,
581.5' IGLD 85 = 581.9' NAVD 88 = 582.4' NGVD 29
- Using a local datum? We may request a tie-in to a known elevation.



Uncertainty in plans

- Show maximum foreseeable impact areas
- Show alternative configurations/methods
- If plans change after permit issuance, may need to seek new permit or modification
 - ▶ Contact us



Tips on Applying

- Apply early – not last minute
- Paper applications: send to Corps and EGLE simultaneously
- Online applications: use MiWaters website (EGLE)
 - ▶ Corps will acknowledge receipt of your application when received from EGLE
 - ▶ Contact us if you need a Corps permit but haven't heard from us
- If either agency requests information, provide that information to both agencies
- Include summer and winter contact information if different



Permit Application Resources

- Internet mapping websites
 - ▶ Aerial photos, latitude/longitude
- Corps Regulatory website
 - ▶ Wetland determination resources
 - ▶ Navigable waters list
 - ▶ Link to EZ Guides (example drawings)
- **Your local Corps office**
 - ▶ Jurisdictional determinations
 - ▶ Pre-application meetings



Questions

- We are happy to assist with questions about permit applications and permit requirements.
- A map of our field offices with contact information can be found at <https://www.lre.usace.army.mil/Missions/Regulatory-Program-and-Permits/Contact-Us/>
- US Army Corps of Engineers, Detroit District
Regulatory Office
Phone: (800) 493-6838, (313) 226-2218
Email: Regadmin.LRE_RegAdmin@usace.army.mil



Questions?



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