



STATE OF ALASKA
 DEPARTMENT OF
 TRANSPORTATION AND
 PUBLIC FACILITIES
 SOUTHEAST REGION



PROJECT MANAGEMENT PLAN
Updated Final - January 31, 2011

FOR

Naukati Small Boat Float Design

DENALI COMMISSION PROJECT NO. 01048-00
 STATE PROJECT NO. 69647

Prepared and Submitted By:	
Kirk Miller, P.E.	Date
Engineering Manager	

Recommended for Approval By:	
Al Steininger, P.E.	Date
Design Group Chief	

Recommended for Approval By:	
Andy Hughes	Date
Regional Planning Chief	

Reviewed By:	
Chuck Correa, P.E.	Date
Regional Preconstruction Engineer	

PROJECT INFORMATION

Project Name: Naukati Small Boat Float Design

Project No: 69647 / DC 01048-00

Scope:

Design small boat harbor floating moorings and associated upland support facilities in the community of Naukati, located on the west side of Prince of Wales Island. The anticipated scope of work will consist of the design of new mooring floats, vehicular access gangway, expansion of the harbor uplands and a new boat launch facility as outlined on the attached COE permit level drawings. This project is for Phase 2 design purposes only under a Denali Commission grant award. No construction funding has been allocated or is anticipated as part of this project. Some preliminary design and development work including a site visit, public meeting, topographic and bathymetric field surveys and preparation of permit drawings has already been completed prior to the date of this PMP.

Note: A previous PMP for this project was prepared and distributed for review and an initial PMP meeting was held on June 17, 2010. Present were environmental, ROW and design staff. The June, 2010 PMP was never signed. This PMP document supercedes the previously prepared PMP.

Purpose & Need:

The purpose of the project is to provide a functional and safe small boat mooring facilities and related upland improvements to accommodate commercial and recreational boating needs. The need for the project is to provide safe moorage opportunities to support local and visitor boating needs including transfer of oyster farming products and supplies, freight and passengers to nearby communities and residences that are only accessible by water.

WORK PLAN

FUNDING PLAN

FEDERAL AID MAINTENANCE FUNDING PLAN	Federal Fiscal Year
	2011
Phase 2	\$60,000
Phase 3	NA
Phase 4	NA
Phase 7	NA
Total	\$60,000

ESTIMATED PROJECT MILESTONES

Updated Project Management Plan Approval	January 24, 2011
Preliminary Plan Development	June 18, 2010 (completed)
Environmental Document Completion Date	July 20, 2011
PIH / PS&E Reviews Completed by	August 3, 2011
Final PS&E Completed	August 17, 2011
Submit to Denali Commission	August 30, 2011

Project Development				
Value engineering study required?		Yes	<input checked="" type="checkbox"/>	No
In-house design resources?	<input checked="" type="checkbox"/>	Yes		No
Consultant usage?		Yes	<input checked="" type="checkbox"/>	No
If so, what tasks or functions?				
Design Engineer(s) – Marine Section Staff				

Field Trip	
Did a Field Trip take place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, what was the date of the Field Trip:	
List of Participants:	Kirk Miller/Vern Skagerberg (field visit completed in 2009 conjunction with other project related business in the area – not part of this project).

Type of Project	
<input checked="" type="checkbox"/> New Construction/Reconstruction	<input type="checkbox"/> Rehabilitation (3R)
<input type="checkbox"/> Other (Federal Aid Maintenance)	<input type="checkbox"/> Gravel to Black
Design Functional Class:	
<input type="checkbox"/> Rural Arterial	<input type="checkbox"/> Rural Collector
<input type="checkbox"/> Urban Arterial	<input type="checkbox"/> Urban Collector
<input type="checkbox"/>	<input checked="" type="checkbox"/> Special Purpose Local (Harbor)
Other Considerations/Comments: Denali Commission funded project. Design funding authorized only thru Environmental Document and PS&E. Construction funding not secured.	

Environmental			
Proposed Level of Documentation: <input type="checkbox"/> EIS <input type="checkbox"/> EA <input checked="" type="checkbox"/> CE <input type="checkbox"/> PCE			
<hr/> Environmental Analyst			
Section 4(f) <input type="checkbox"/> <input type="checkbox"/> Choose type: Parks, Recreational Areas, Refuges, Historic Sites, etc.			
Section 6(f) <input type="checkbox"/>			
Section 4(f) and 6(f) analysis will not be required on this project.			
Permits / Clearances Required:			
<input checked="" type="checkbox"/>	ADF&G-Habitat	Comments:	Tideland fill, floating structures, pile driving
<input checked="" type="checkbox"/>	COE	Comments:	Work in waters of the US will be required.
<input checked="" type="checkbox"/>	106	Comments:	Some excavation expected but primarily in areas of previously placed man-made fill.
<input checked="" type="checkbox"/>	ADNR	Comments:	Resolve tideland & upland land ownership and obtain necessary easements as may be needed.
<input checked="" type="checkbox"/>	ADEC	Comments:	Water quality certification needed as part of COE permit process.
<input checked="" type="checkbox"/>	CG / Bridge	Comments:	Work involves placement of offshore mooring structures. Aids to navigation may be required and/or will need to be coordinated with the USCG.
<input checked="" type="checkbox"/>	Other	Comments:	USFS (portions of project are on USFS lands) NMFS / NOAA (In-water work and disturbance to fish & wildlife issues)
Special Considerations:			
Project is located near an existing oyster rearing facility. Consideration needs to be give to maintaining water quality at this facility.			
USFS currently owns some of the existing harbor facilities, tidelands and portion of uplands in vicinity of project.			

Bridge Design				
3R analysis of existing bridge(s)		Yes	X	No
New bridge design		Yes	X	No
Other major structure design		Yes	X	No
Other Considerations/Comments:				

Geotechnical / Materials				
FWD pavement analysis		Yes	X	No
Centerline investigation		Yes	X	No
Pavement Design		Yes	X	No
Typical Section Review		Yes	X	No
Foundation or bridge site investigation		Yes	X	No
Materials site investigation		Yes	X	No
Plan Reviews	X	Yes		No
Other Considerations/Comments:				
Geotechnical assistance expected for subsurface parameters for pile design and upland fill but no new field investigations are anticipated.				

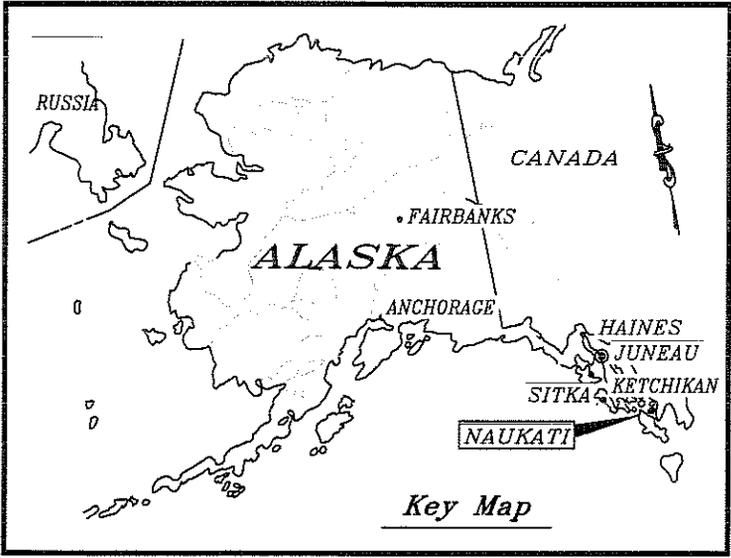
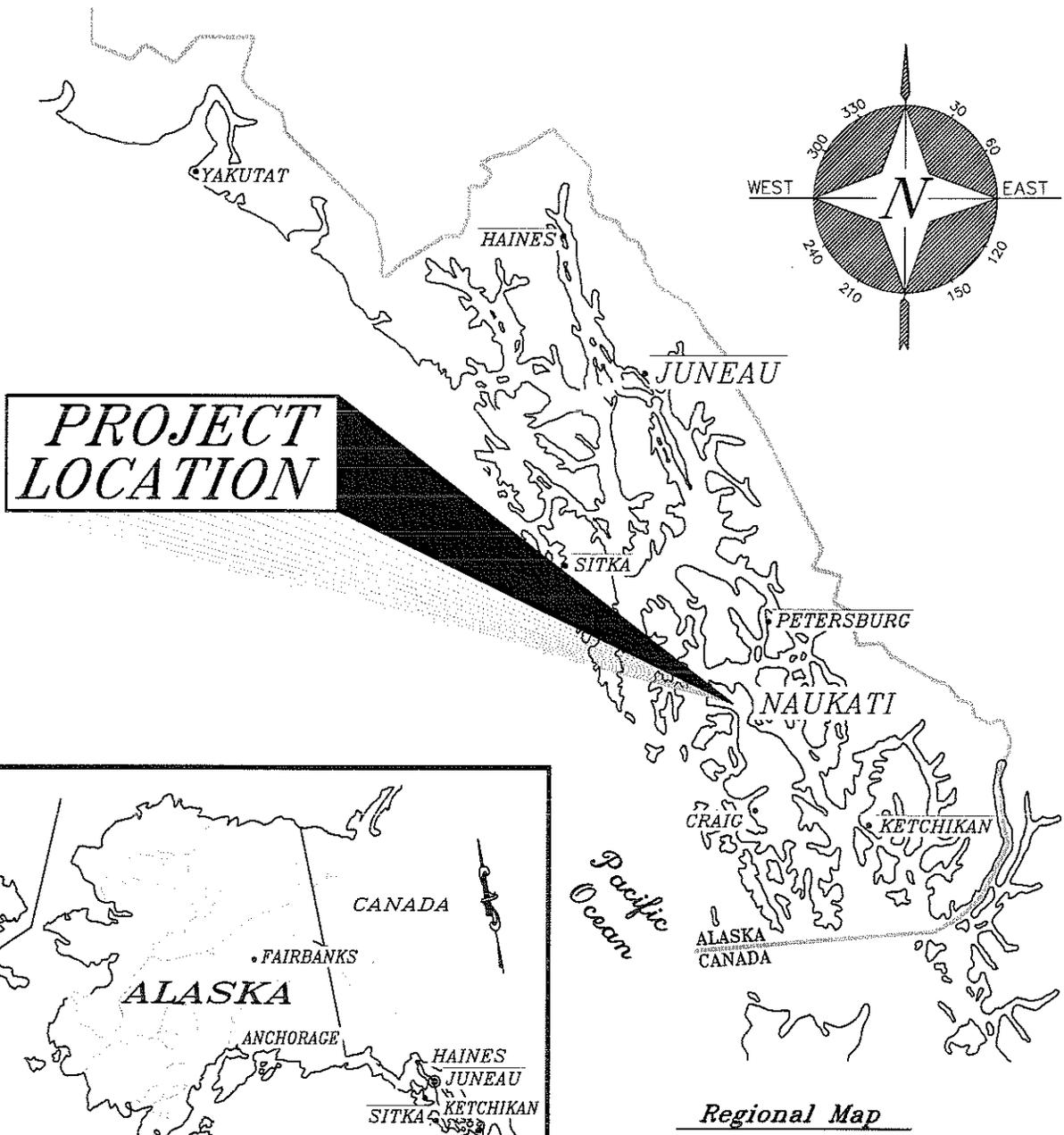
Hydraulics / Hydrology				
Analysis of 48" or larger culverts for failure		Yes	X	No
Hydraulic design of large diameter culvert or multiple culvert installation(s)		Yes	X	No
Hydraulic site survey for a new or existing bridge		Yes	X	No
Floodplain analysis		Yes	X	No
Fish passage analysis		Yes	X	No
Culvert Condition Survey		Yes	X	No
Plan Reviews		Yes	X	No
Other Considerations/Comments:				

Locations / Survey				
Design topographic survey		Yes	X	No
ROW survey	X	Yes		No
Bridge site or hydraulic survey		Yes	X	No
Survey Control Plan	X	Yes	X	No
Plan Reviews	X	Yes		No
Other Considerations/Comments:				
No new field surveys expected. Project site has been surveyed as part of other projects, base map has been completed – however, additional ROW related surveys could be needed pending further project development efforts.				

ROW				
ROW acquisition	X	Yes		No
Relocations required		Yes	X	No
Temporary construction permits or easements	X	Yes		No
ROW base map preparation or update	X	Yes		No
Plan Reviews	X	Yes		No
Other Considerations/Comments:				
ROW investigation and associated research of property ownership issues will be required. No ROW appraisals or purchases (Phase 3) is expected or funded under this project.				

Traffic & Safety				
Accident analysis		Yes	X	No
Speed study		Yes	X	No
Signal warranty analysis or design		Yes	X	No
Intersection analysis or design		Yes	X	No
Illumination design		Yes	X	No
Alternative traffic analysis		Yes	X	No
Design Designation		Yes	X	No
Signing & Striping Plans		Yes	X	No
Plan Reviews		Yes	X	No
Other Considerations/Comments:				

Utilities				
Underground utility relocation(s)		Yes	X	No
Overhead utility relocation(s)		Yes	X	No
Railroad involvement		Yes	X	No
Plan Reviews	X	Yes		No
Other Considerations/Comments:				
New overhead and underground power and water utilities may be required but will not be designed as part of this project. Any utilities will be provided by others (community of Naukati).				



<i>Tidal Data</i>	
HTL	= +13.8'
MHW	= +10.8'
MLLW	= 0.0'
ELW	= -3.5'

Regional Map

ADJACENT PROPERTY OWNERS:
 State of Alaska
 Department of Natural Resources

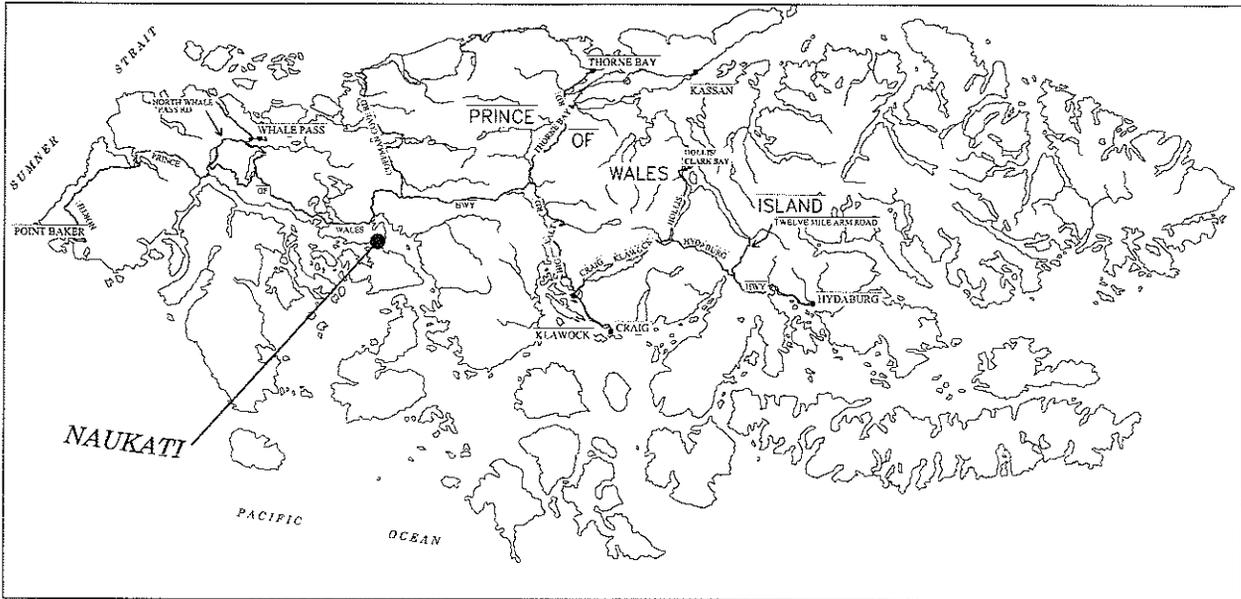
 United States Forrest Service

WATER BODIES: Naukati Bay, Tuxekan Narrows

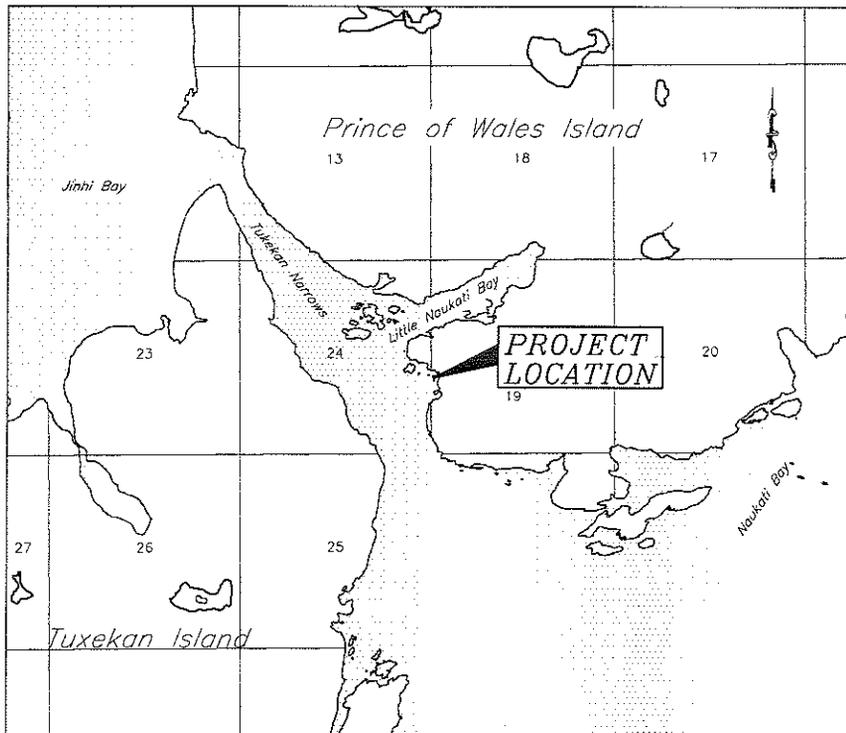
Key & Regional Maps

APPLICATION BY:
 STATE OF ALASKA
 DEPT. OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

Naukati Harbor Improvements
AT: Naukati Bay, Alaska
LOCATED IN: Township 69 South,
 Range 80 East
 Section 19
 CRM, Alaska
DATE: January, 2011 **SHEET** 1 **OF** 13



LOCATION MAP



VICINITY MAP

ADJACENT PROPERTY OWNERS:

State of Alaska
Department of Natural Resources

United States Forrest Service

WATER BODIES: Naukati Bay, Tuxekan Narrows

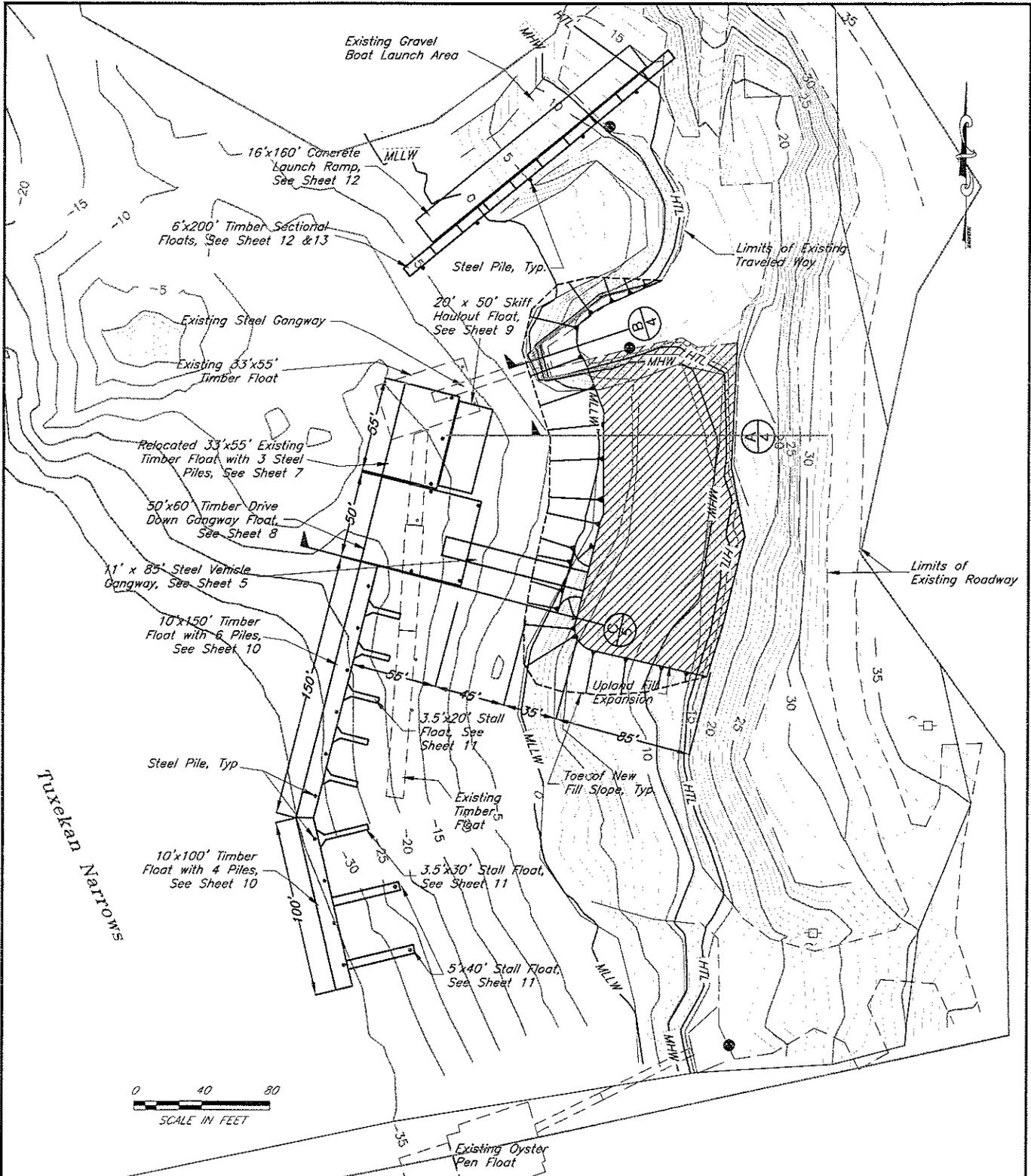
Vicinity & Location Maps

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ADJACENT PROPERTY OWNERS:
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Harbor Site Plan

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