



Hoh Tribe Master Plan

Project Team Kickoff and Introduction Meeting for
General Council ~ October 19, 2024

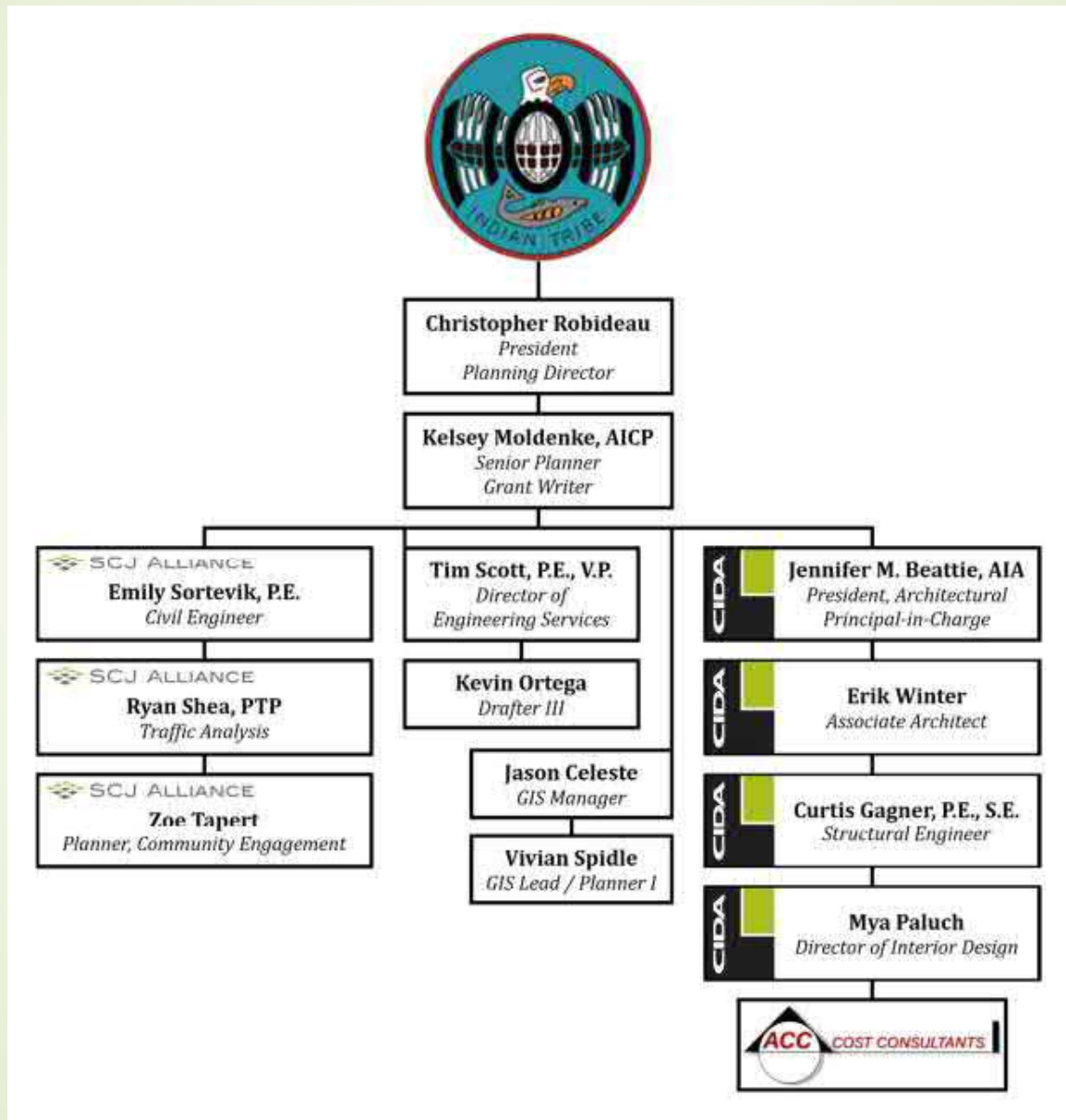
Introduction to



- Established in 1997 to serve Tribes nationally
- Offices in Vancouver-WA, Edmond-OK, Hurricane-UT
- Professional Disciplines
 - Engineering
 - Planning
 - GIS
 - Grant Writing
 - Construction Management
- Providing dedicated service to over 120 Tribes



The Project Team:



A proven
Master
Planning and
Land
Development
Team



Our Approach to Tribal Master Planning

- Respectfully **Listen First** to understand the unique goals and objectives of the project
- Engage to **Understand the Path** followed to date
- Analyze the project in **Context to Tribal Culture**
- Gather the needed **Technical Data** from which to make informed decisions
- Brainstorm, Present, Interpret, and **Collaborate**
- **Conceptually Design** and Estimate Project
- **Formalize** the Plan
- Present, Adopt, and **Implement**



MASTER PLANNING AND IMPLEMENTATION

Scope of Work Phasing and Engagement

- Phase 1: Project Research: Historic and Existing Conditions
- Phase 2: Establish Tribal Goals and Priorities
- Phase 3: Facility-Based Planning and Programming
- Phase 4: Land Use Plan and Neighborhood Layouts w/Infrastructure Studies
- Phase 5: Implementation Plan w/ Phasing
- Phase 6: Project Closeout

Project Introduction Presentation

Orientation Meeting / Working Session

Department Working Sessions

Visioning Meetings – 3 Concepts

Decision Making - Adopt Concept

Estimating and Phasing Implementation

Present Final Plan

The Project Schedule:

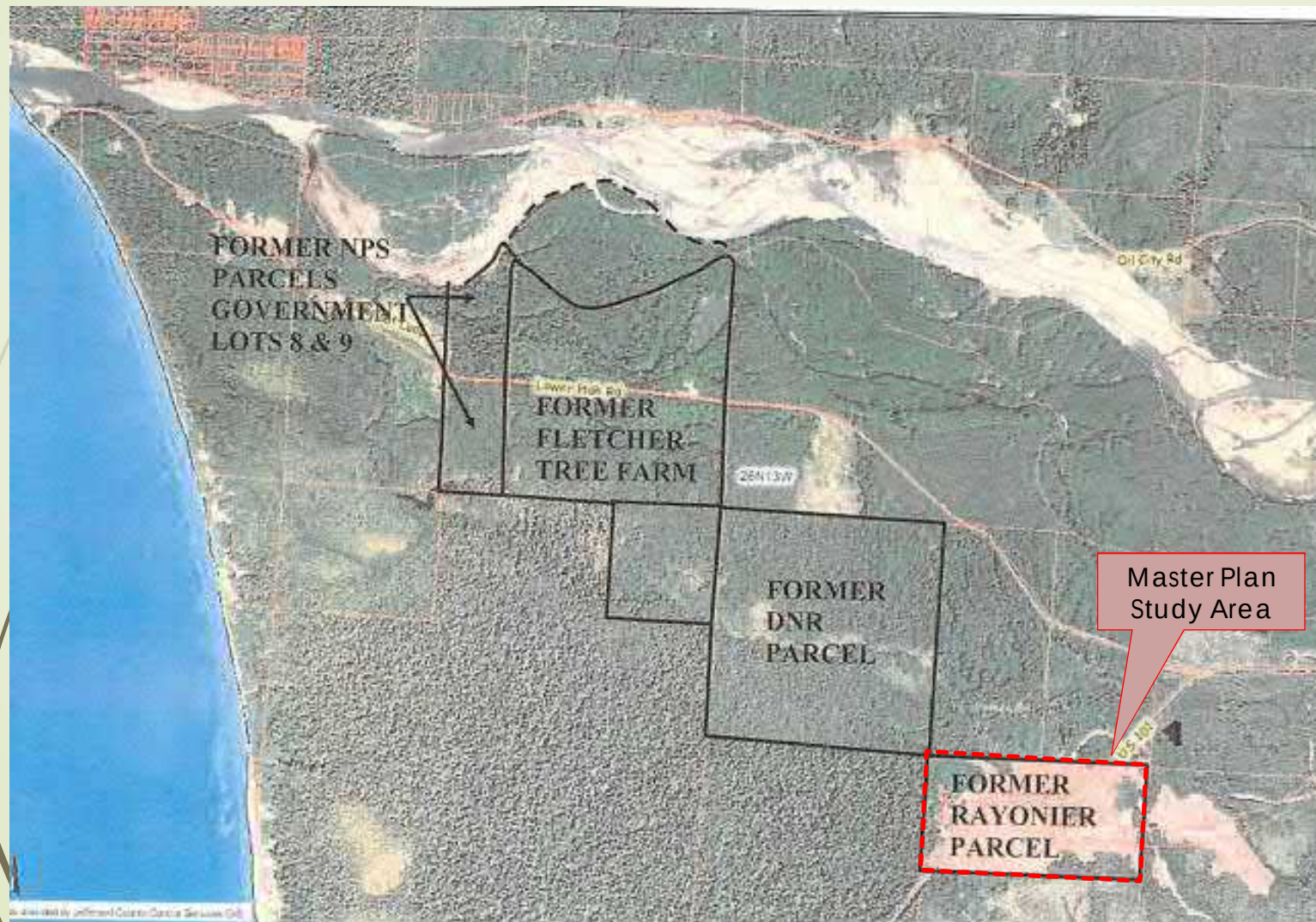
Phase	Month(s)
Phase 1: Project Research: Historic and Existing Conditions	September 2024 to December 2024
Phase 2: Establish Goals and Priorities	September 2024 to December 2024
Phase 3: Facility-Based Planning and Programming	January 2025 to March 2025
Phase 4: Land Use Plan and Neighborhood Layouts	March 2025 to September 2025
Phase 5: Implementation Plan	October 2025 to November 2025
Phase 6: Project Closeout	December 2025



Hoh Highlands Study Area:



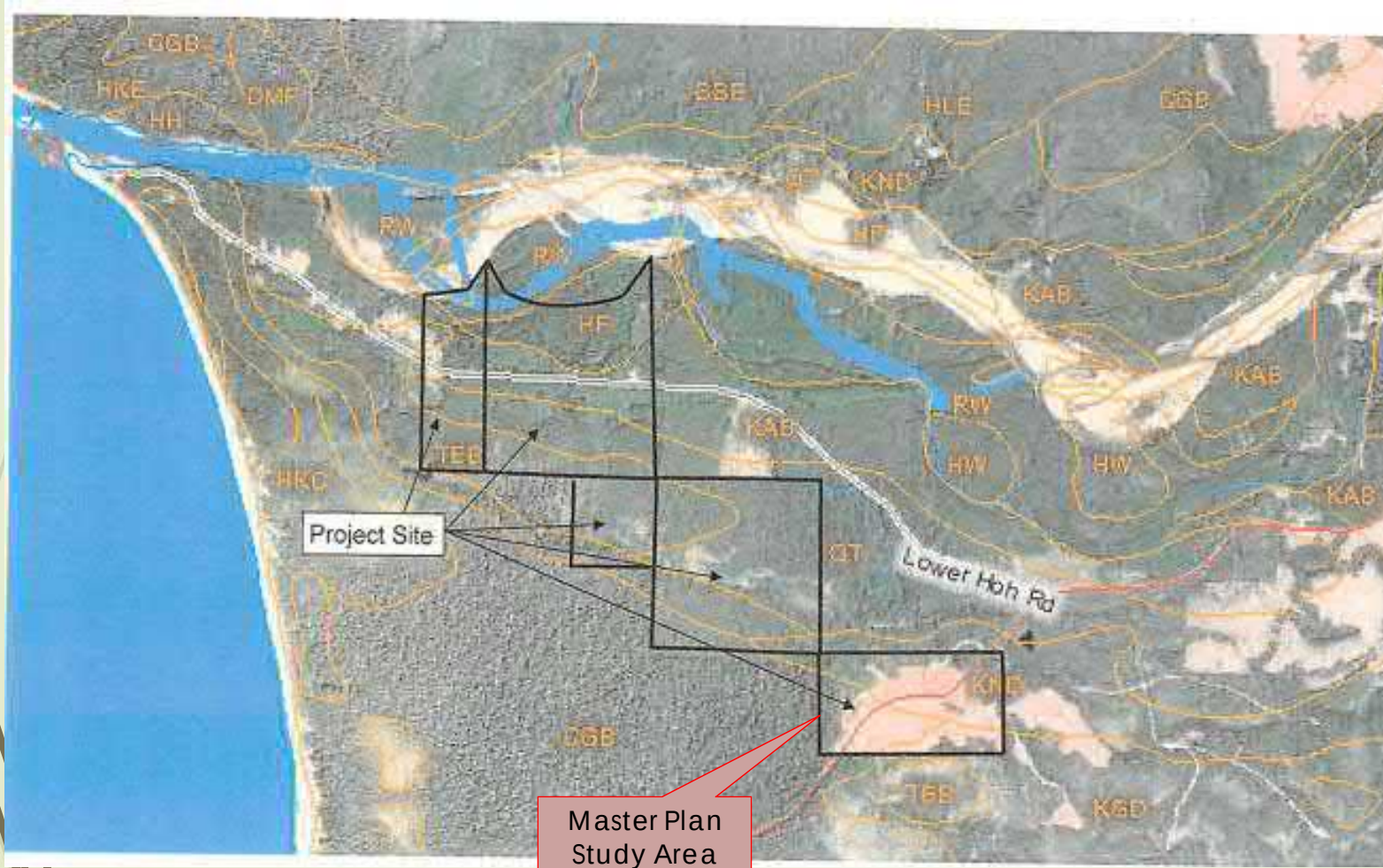
Information Shared 2010 Lands Map:



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Information Shared 2010 Soils Map:



Information Shared 2010 Wetland Delineation:

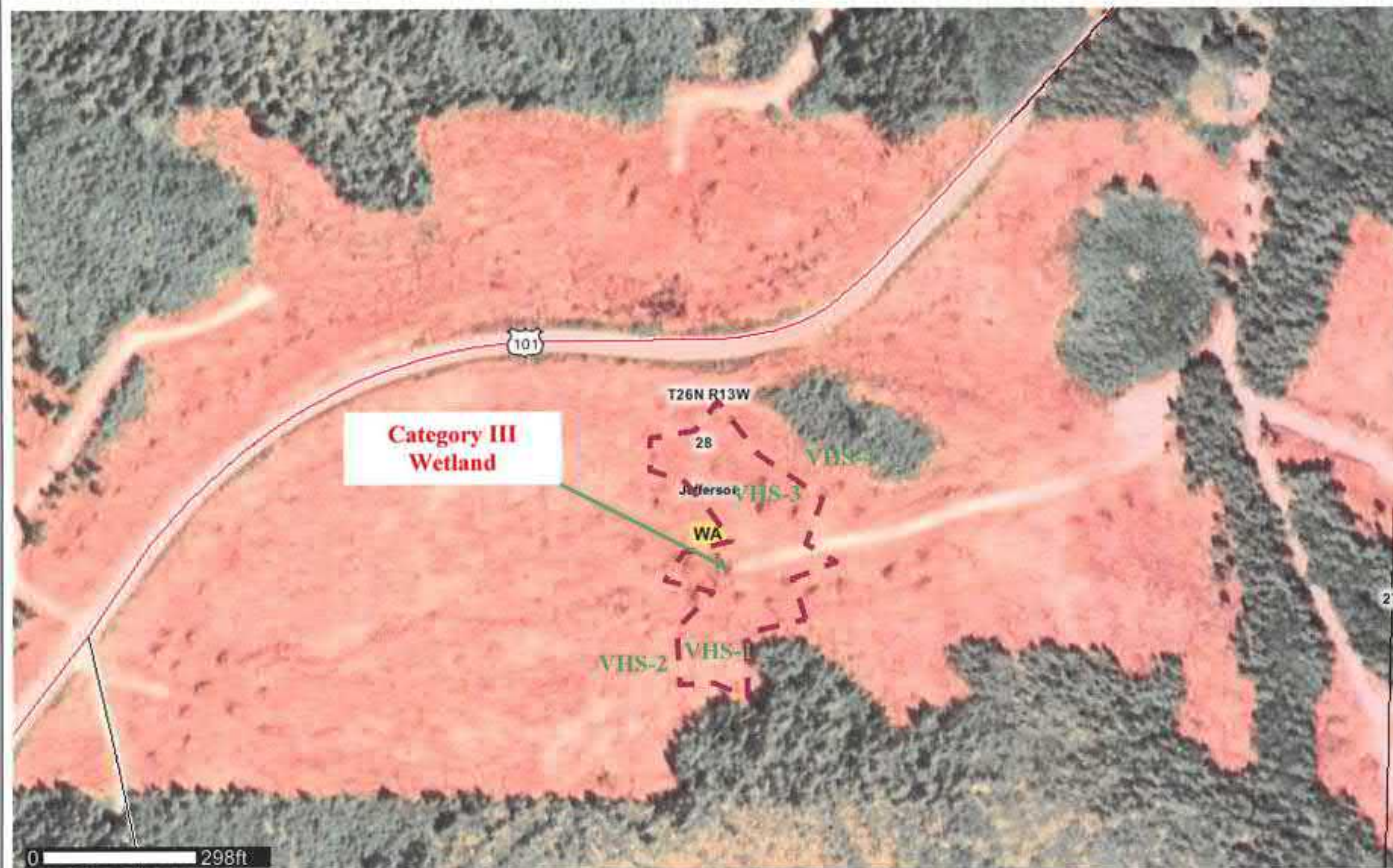


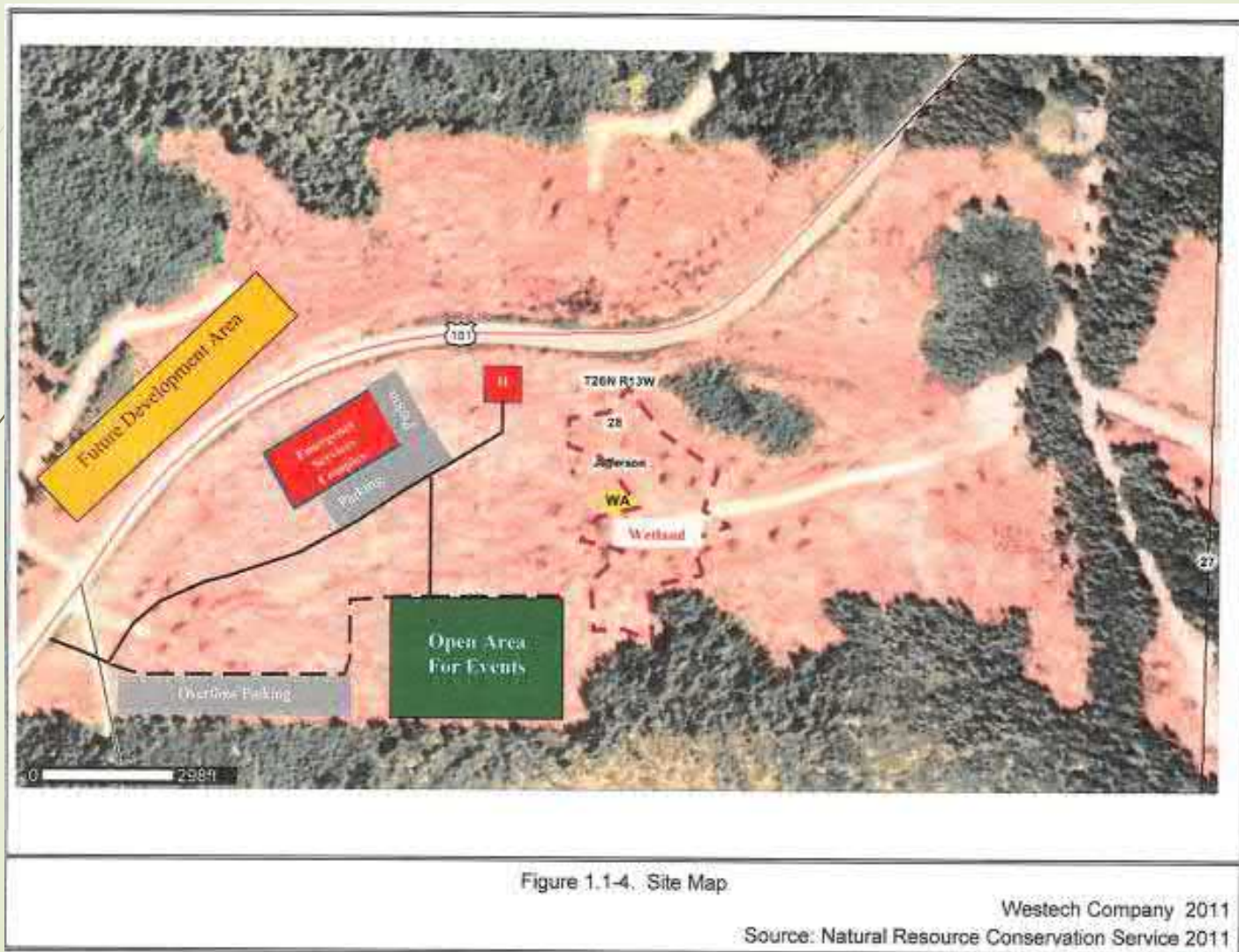
Figure 6. Site Map Showing Wetland

Westech Company 2010

Source: Natural Resource Conservation Service 2010



Information Shared 2010 Phase 1 Site Assessment:



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Information Shared 2011 Water System Soil Report:

SOIL BEARING CAPACITY RECOMMENDATION for Hoh Highlands Water Reservoir, Parcel 613-284-001



I. OVERVIEW

The parcel informally referred to as the "Hoh Highlands" has been selected by the Hoh Tribe to be the center of the Tribe's new home. As a necessary part of improving the parcel, the Indian Health Service (IHS) is developing water service to the site, including construction of a new "Baker Silo" type of water reservoir. The reservoir will be located on the high point indicated on the map below.



Soil Log of Excavation No: WP-3

Project Name: Hoh Highlands Water Reservoir			Page: 1 of 1
Project Number: 1104-002			Date: 04/29/11
Project Location: Sec'n 28, Twp 26 N, Rge 13 W, W.M.			
Field Tech'n: D Hanna			Excavation Location: 100' SNE of TP30
Contractor: Hoh Tribe			
Equipment: Excavator			
Interval (ft) From To	(ft) Depth	Description	Comments
0.0 1.0	0	Surface Elevation = 208' (approx)	
	1	Dark organic silt, thickness varies	
1.0 2.0	2	Most soft, silty sand, S-M	
2.0 2.5	2.5	Saturated, medium stiff, silty sand, S-M, (color change at 2.5')	
2.5 2.9	3	Saturated, medium stiff, silty sand, S-M	
2.9 4.5	4	Saturated, medium dense, sandy, silty gravel, G-SI	
4.5 9.7	5	Saturated, dense, sandy, silty gravel, G-SI	
	6		
	7		
	8		
	9		
	10	Bottom of excavation at 9.7	



Information Shared 2013-19 Geotechnical Investigations:

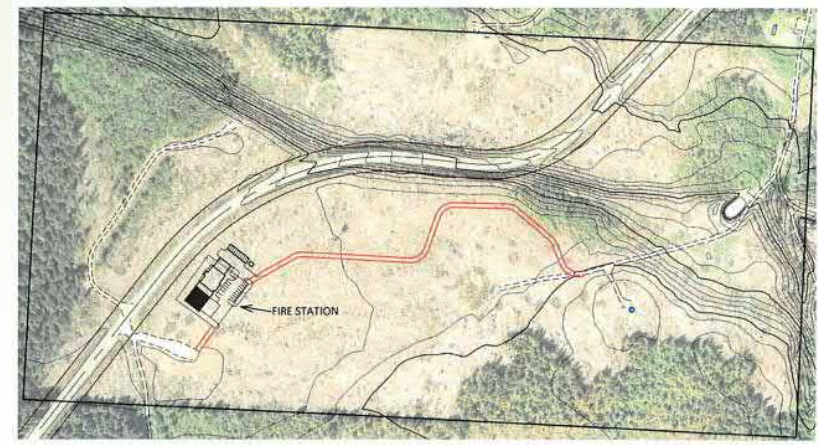
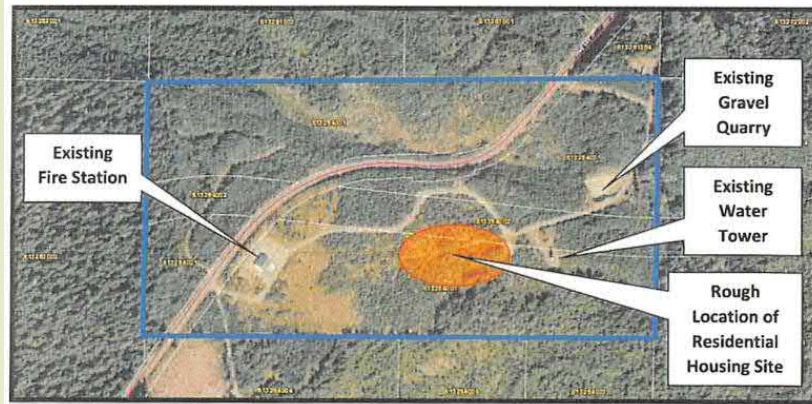


FIGURE 3; HOH HIGHLANDS SOIL HOLE LOCATION PLAN AND DRAINFIELD AREA MAP

Soil Liquefaction Susceptibility

Soil liquefaction occurs when shaking, usually from an earthquake, causes saturated or partially saturated soil to behave like a liquid instead of a solid. When liquefaction occurs, the strength of soils is substantially reduced and can lead to significant soil settlement beneath structures.

The Liquefaction Susceptibility Map of Jefferson County (Palmer and Others, 2004) rates liquefaction susceptibility at the project site as very low (Figure 4). This designation appears to have been assigned based on the presence of coarse gravelly glacial outwash at the site that is normally resistant to liquefaction due to its high shear strength and due to deep theoretical groundwater.

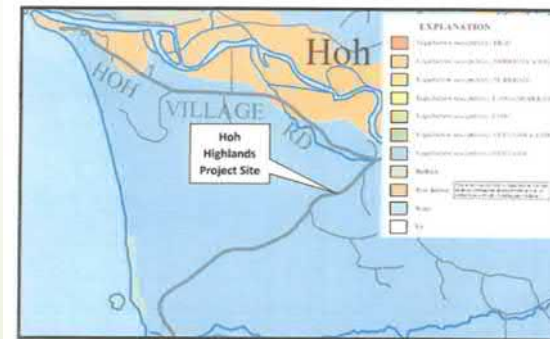
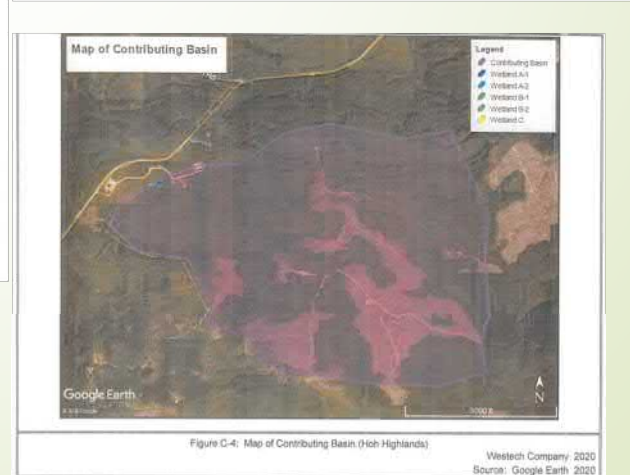
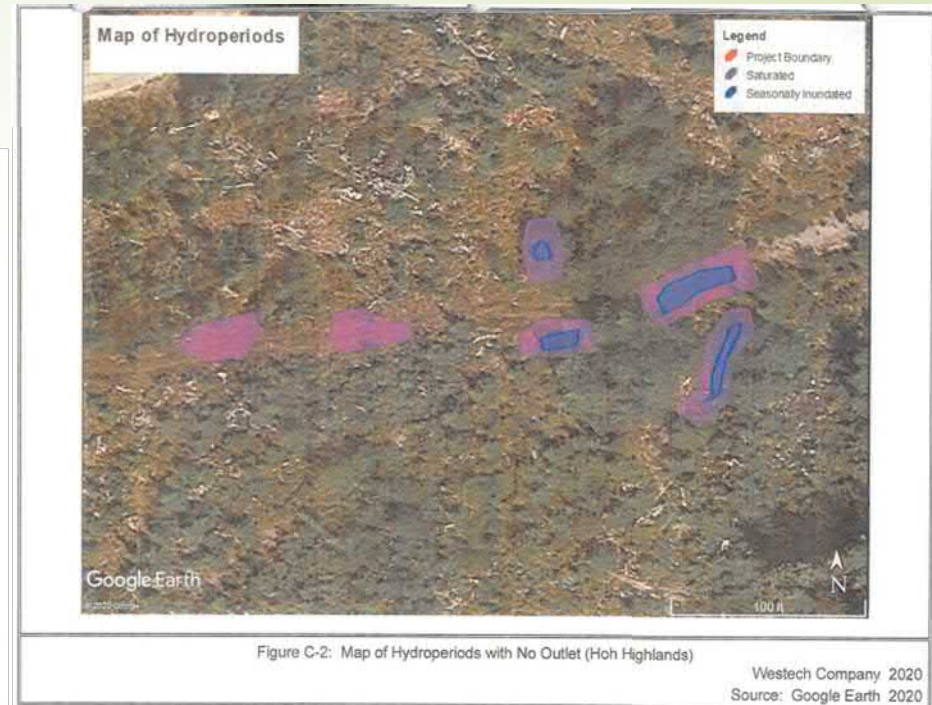
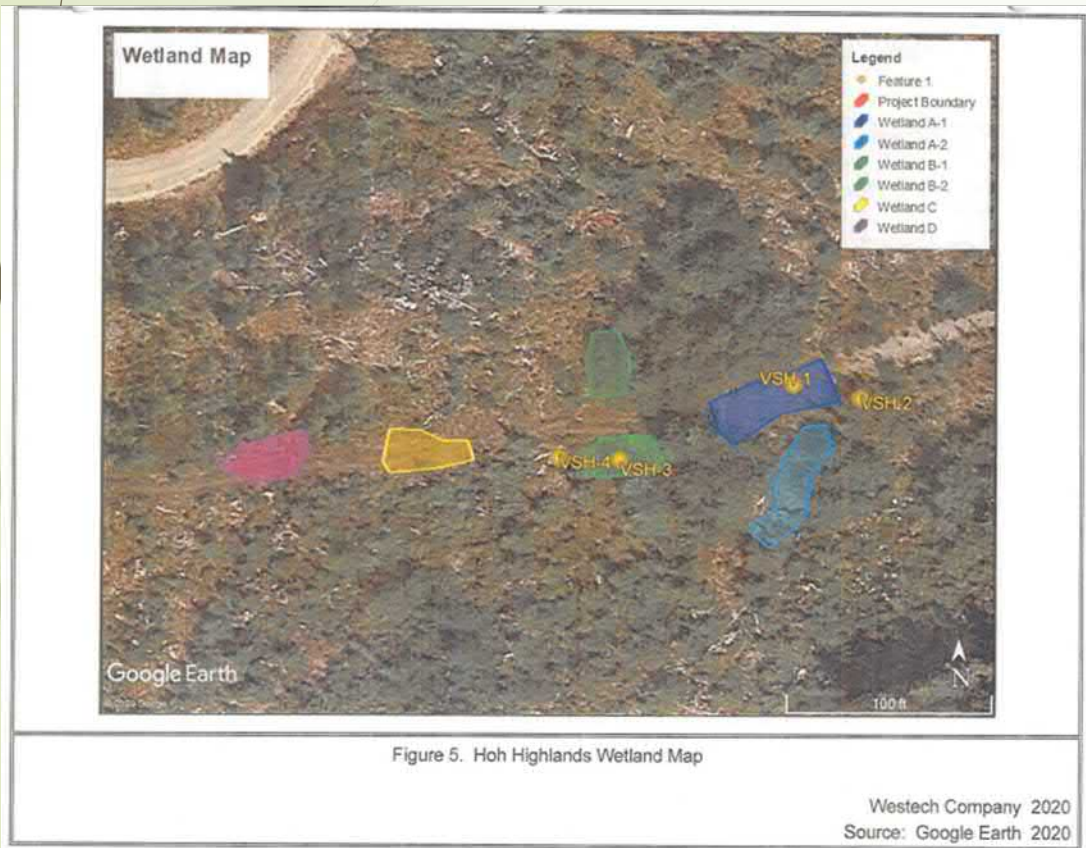


Figure 4: Liquefaction susceptibility map of the site (Palmer and Others, 2004)



Information Shared 2020 Wetland Delineation:



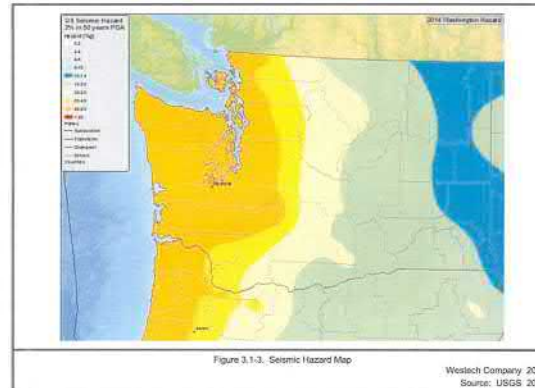
Information Shared 2022 Environmental Assessment:



3) Access road near the Phase 1 and 2 Highlands Housing Site.



4) View of the existing Phase I housing area which will be constructed along an existing logging road (to be improved for the Project).



Information Shared 2020 Housing Project:

TORMOD HELLWIG EXISTING CONCEPTUAL MAP

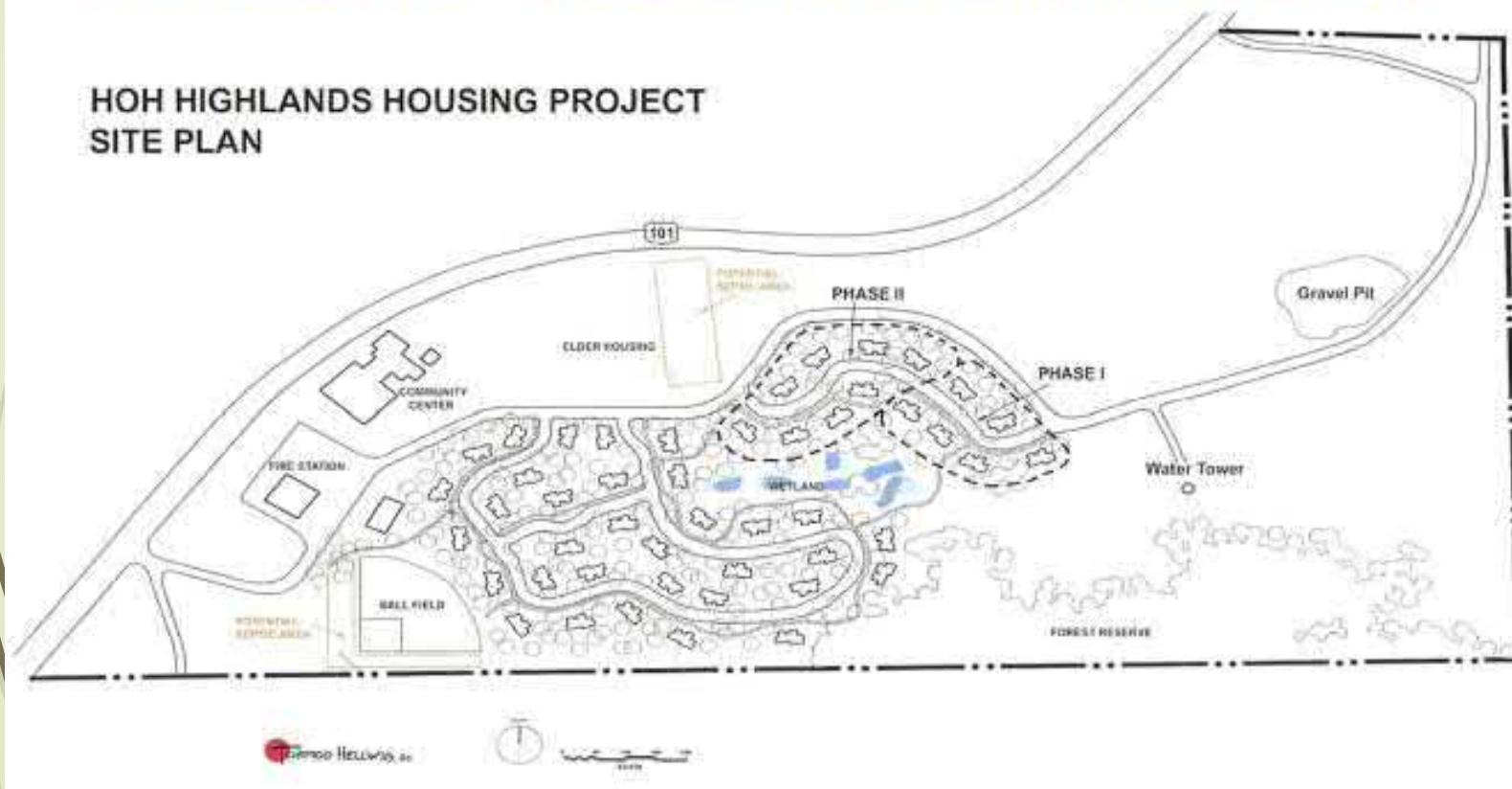
HOH HIGHLANDS HOUSING PROJECT SITE ANALYSIS



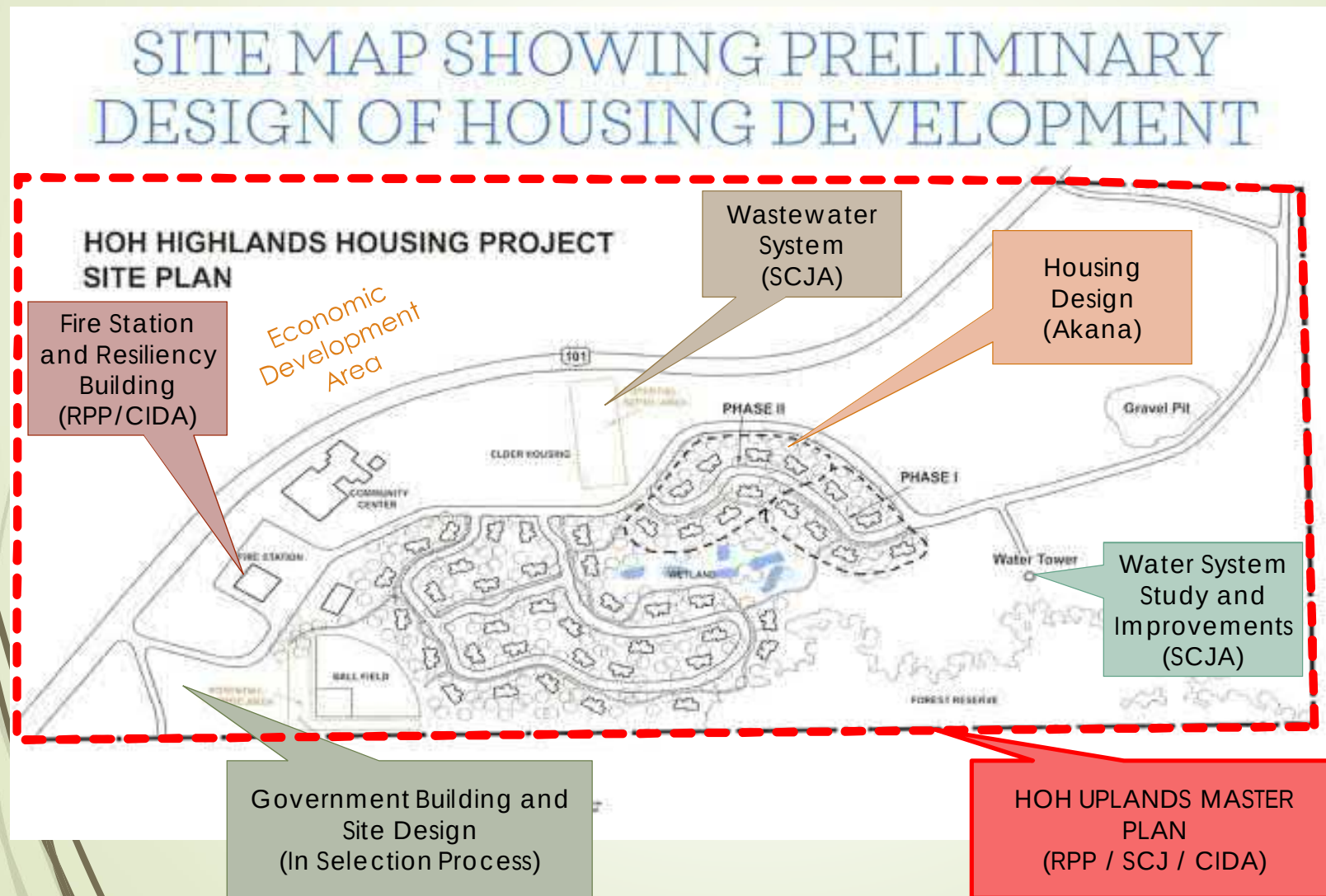
Information Shared 2020 Housing Project:

SITE MAP SHOWING PRELIMINARY DESIGN OF HOUSING DEVELOPMENT

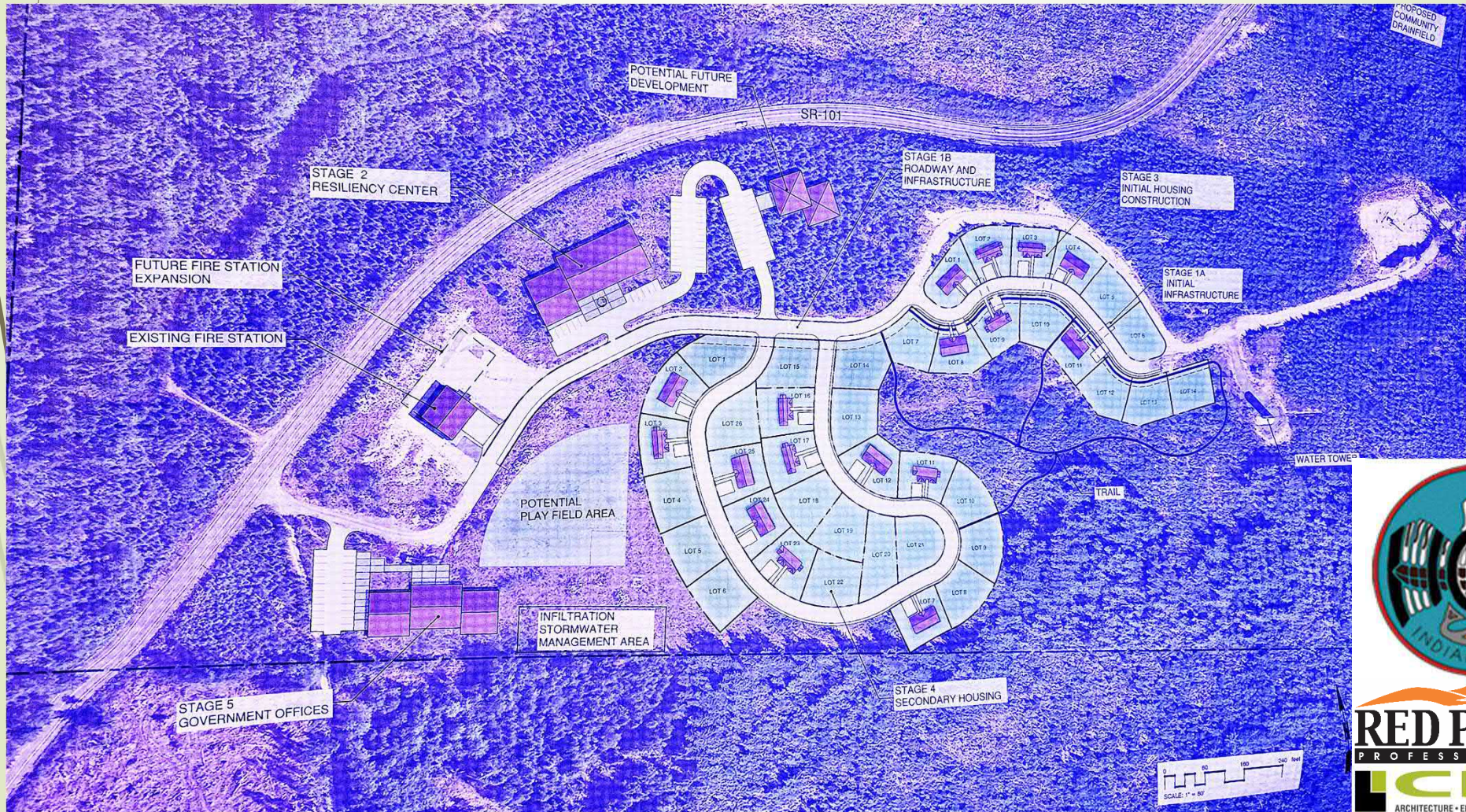
HOH HIGHLANDS HOUSING PROJECT SITE PLAN



Implementation is underway while we Navigate the **Master Plan**:



Implementation is underway while we Navigate the **Master Plan**:





TIME TO TAKE THE NEXT STEPS

- Complete a responsible and comprehensive Master Plan with Conceptual Engineering, Architectural Programming, and Estimating
- Raise Awareness for the Project and Community Needs
- Seek Funding Based on Phased and Estimated Approach
- Design and Construct the Infrastructure and Sites with the current and next generations Tribal Needs in mind
- Maintain the enhanced community you planned responsibly



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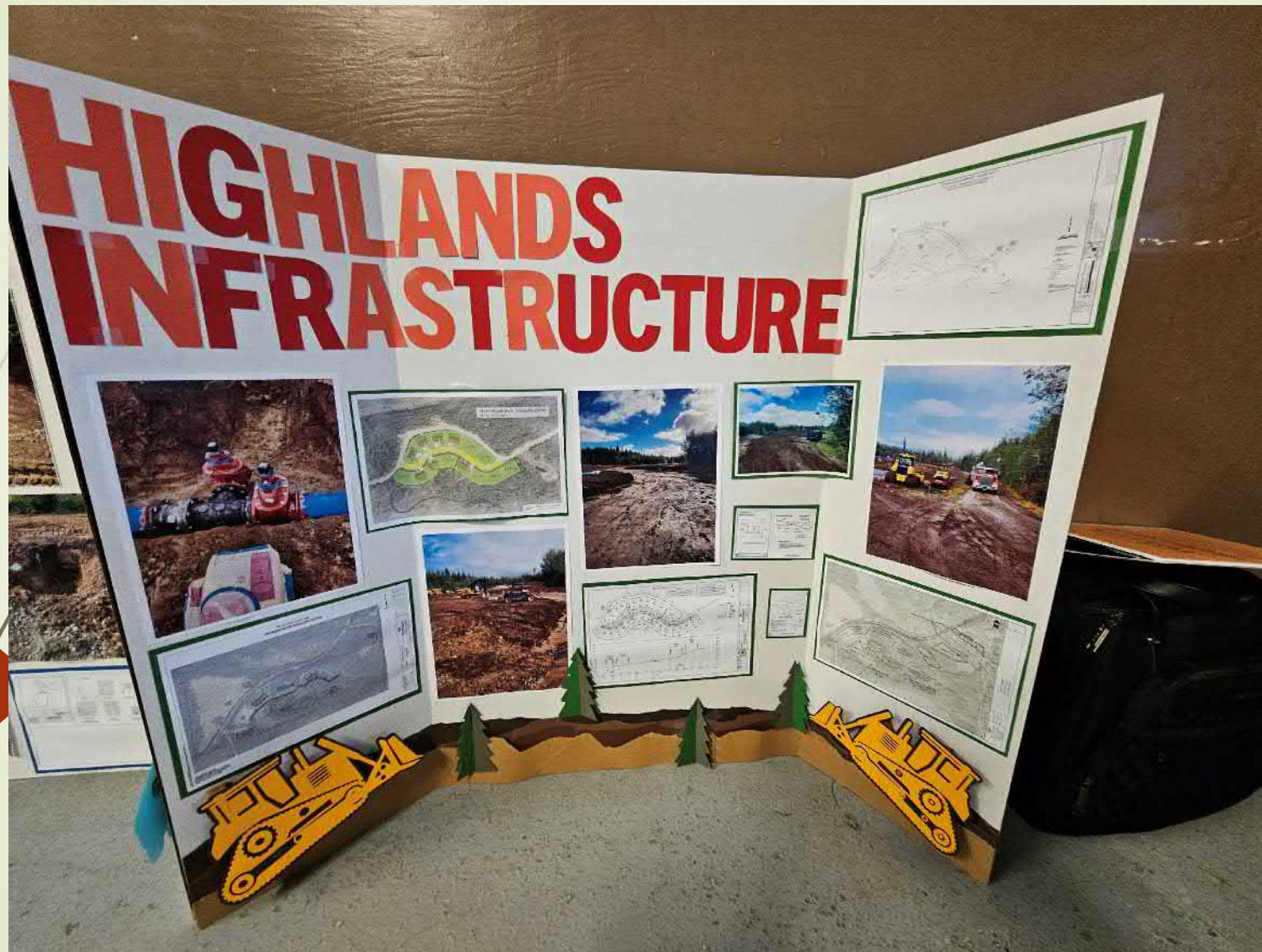


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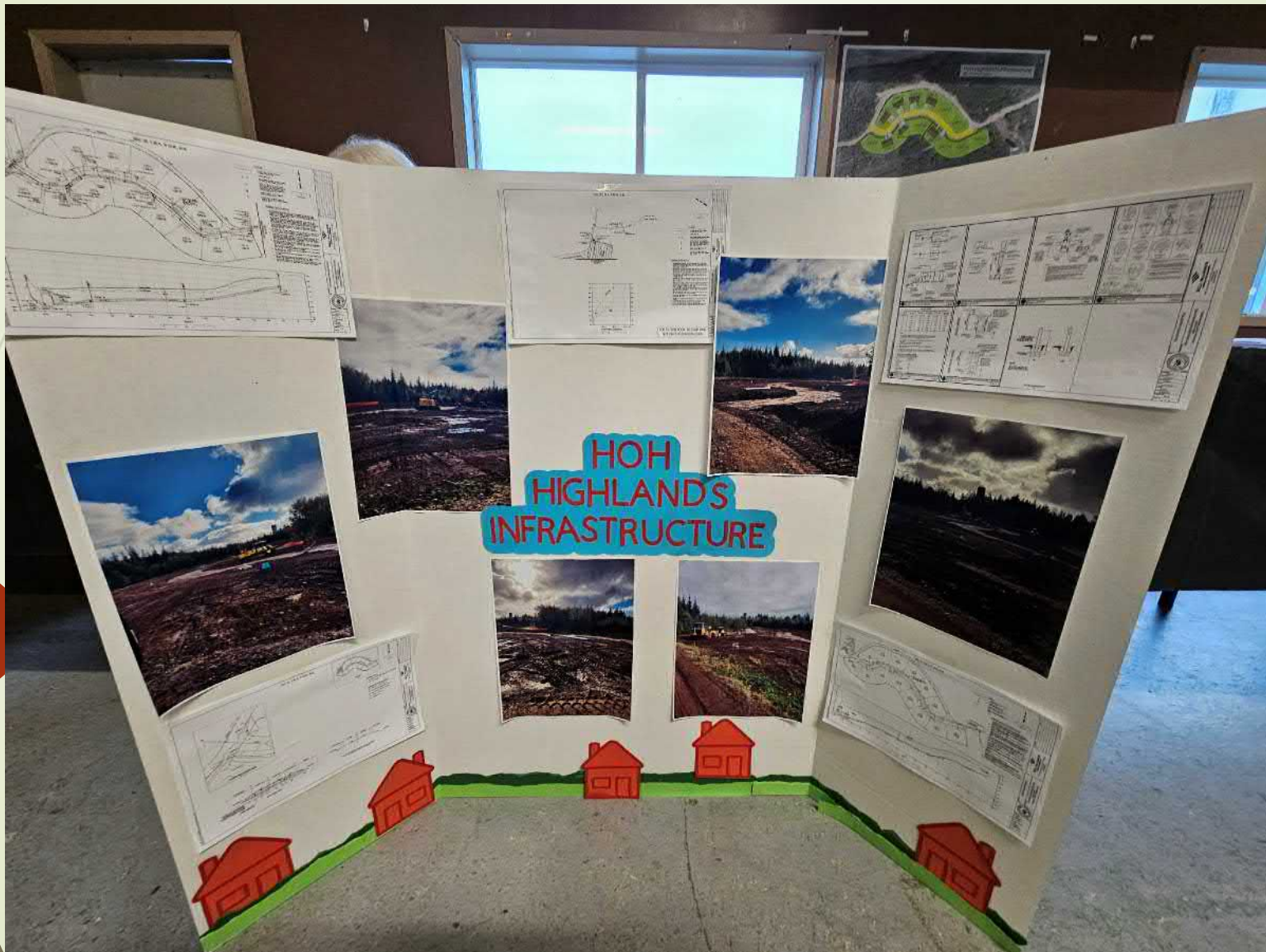
We are here to help you take the
next steps!





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