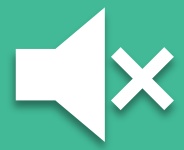
SKAGWAY PORT MASTER PLAN

Updated Design Concepts for Skagway's Waterfront

APRIL MASTER PLAN PRESENTATION

PDC ENGINEERS
PLAN • DESIGN • CONSTRUCT
A RESPEC COMPANY

HOUSEKEEPING

- Please keep microphones muted during the presentation 
- Please hold questions until the discussion period at the end
- This meeting is being recorded for those who couldn't attend today
- Thank you for your participation!

INTRODUCTION

Port Master Planning Goals

Project Timeline

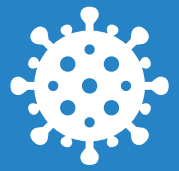
Elements of the Plan

Project Area | Existing Land Use

PORT MASTER PLANNING GOALS

01

ADDRESS THE IMPACTS OF COVID-19 THROUGH URBAN PLANNING & ENGINEERING DESIGN



02

DEVELOP CONCEPTS FOR FUTURE WATERFRONT

03

ENGAGE THE PUBLIC + STAKEHOLDERS IN THE PLANNING PROCESS

TIMELINE

- **200+ virtual attendees** at the February presentation
- **52+ pages** of emailed letters and comments to PortofSkagway@Skagway.org email address

WE ARE HERE

Oct.-Nov. 2020	Nov.–Dec. 2020	Dec. 2020–Jan. 2021	Feb. 2021	Feb.–Mar. 2021	Mar. 2021	Apr. 2021	May 2021	June 30th, 2021	Sept.-Oct. 2021
Initial outreach	Design charrette & Interviews	Refine concepts	Master Plan Presentation	Integrate Feedback & Update concepts	Phase 1 Shoreline Park bids	Final Public Event Develop Draft Plan Shoreline Park Phase 1 construction begins	Integrate Feedback Finalize Concepts, Plan & Specs Phase 2A construction begins	Final Plan Phase 1 construction complete	Phase 2A construction complete Phase 2B construction begins

- **41 households** attended the in-person charrette
- **75 participants** viewed & commented on the online charrette
- **30 interviews** were conducted with waterfront stakeholders

WHAT ELEMENTS ARE BEING EVALUATED?

PROJECT AREA & EXISTING LAND USE

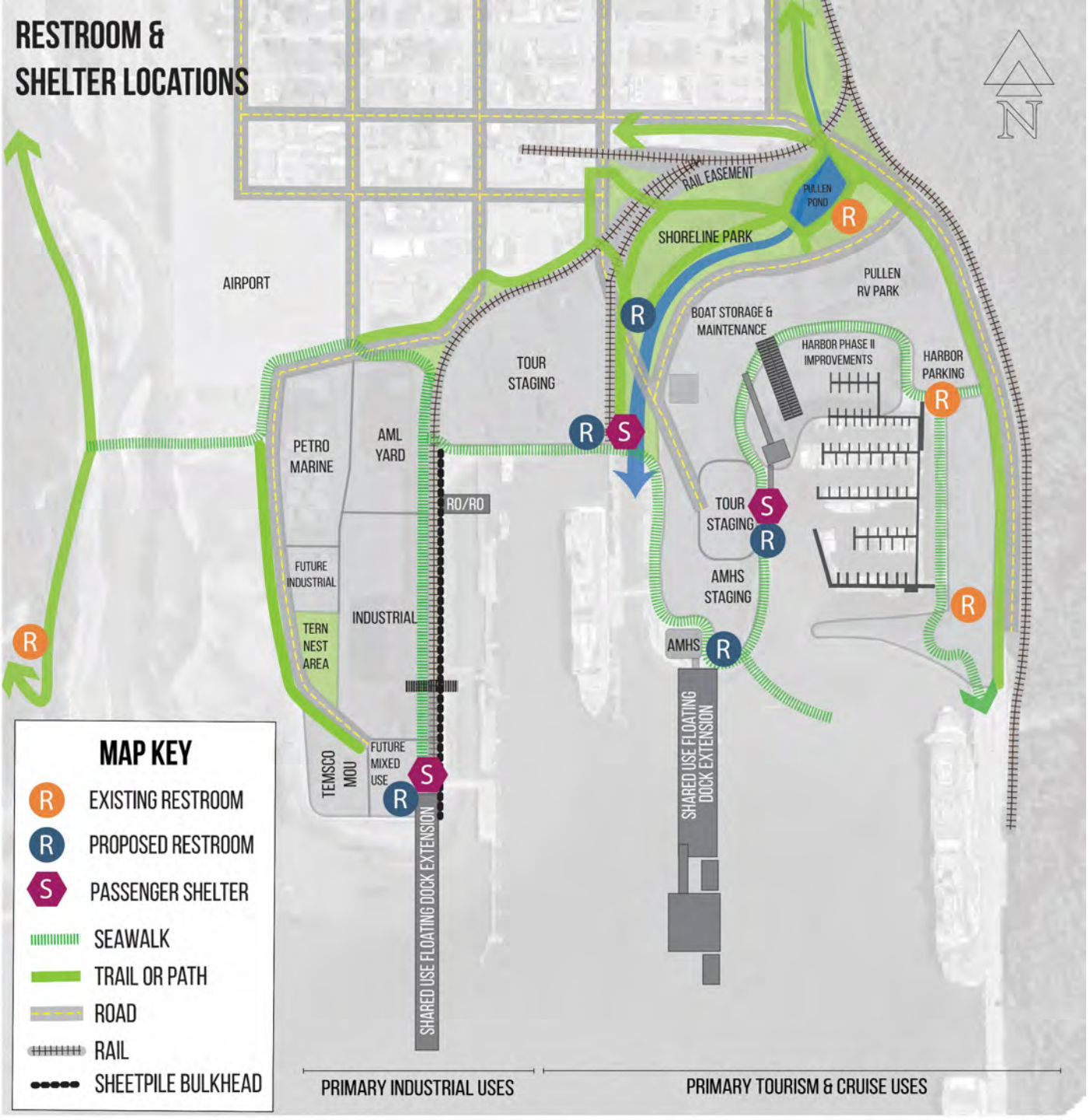
PETRO MARINE
ORE TERMINAL
AIRPORT
AML YARD
TOUR STAGING A&C AREA
HISTORIC DISTRICT
CLAA
RV PARK
ORE DOCK
BROADWAY DOCK
UNDERUTILIZED LOT
BOAT MAINTENANCE & STORAGE
SMALL BOAT HARBOR
AMHS TERMINAL
AMHS VEHICLE STAGING

FUTURE LAND USE

HIGHLIGHTS:

- GREATER SEPARATION OF USES
  - Primary tourism & cruise uses east
  - Primary Industrial uses west
- MAINTAINED USES
  - Petro Marine
  - AML (at new site)
- NEW USES
  - Expanded tour parking, access & circulation areas
- NEW DOCKS
  - RO/RO facility
  - Ferry Peninsula AMHS/cruise shared use dock extension
  - ORE dock shared floating extension

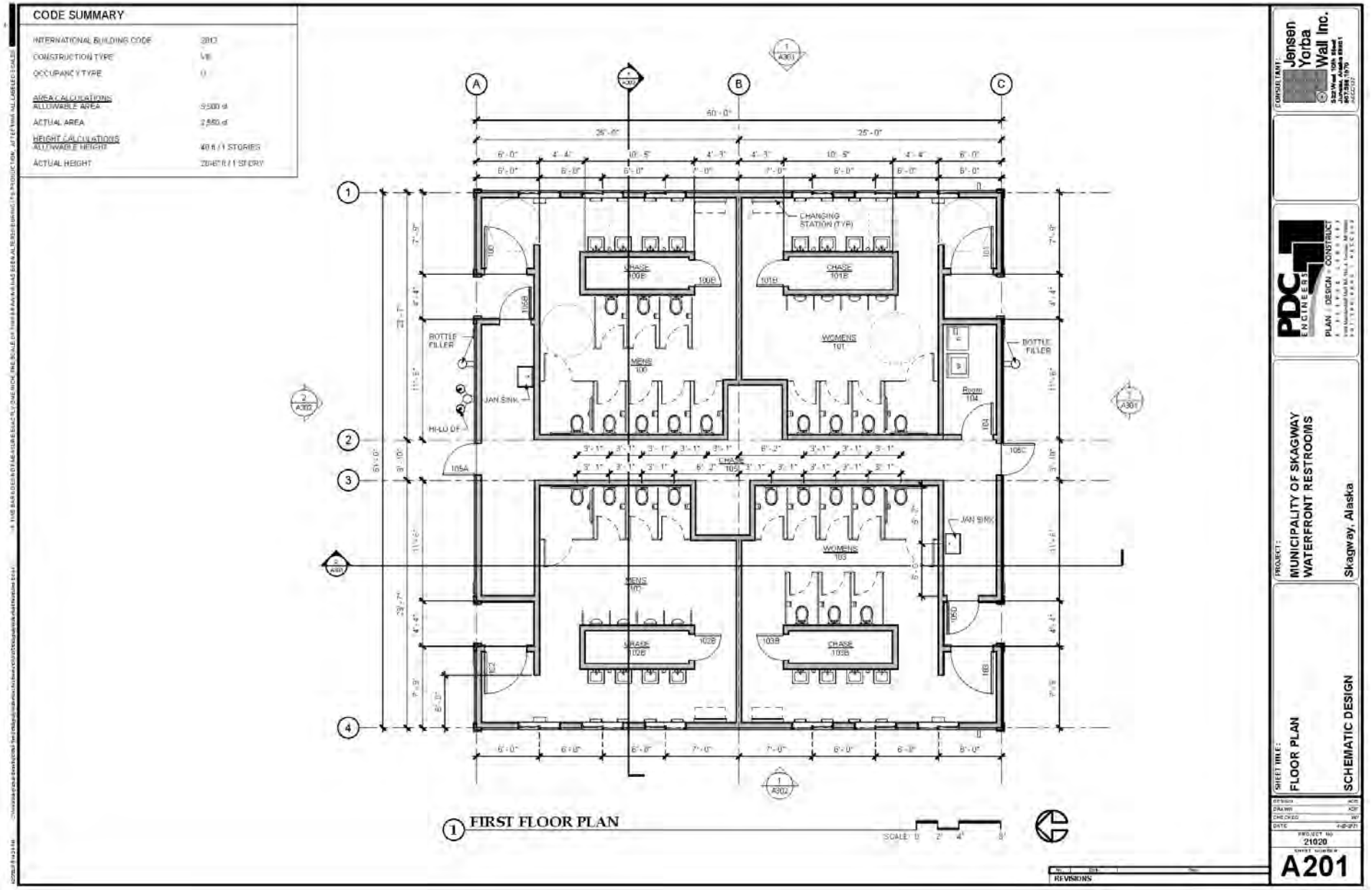
RESTROOM & SHELTER LOCATIONS



HIGHLIGHTS:

- Accessible restrooms at every dock
- New additional restroom in Shoreline Park (westside)
- New passenger waiting shelters at each dock with tour info stations & windbreaks

RESTROOM FACILITY CONCEPT



HIGHLIGHTS:

- Flexible Floor Plan
- Allows for social distancing movements
- Layout allows for easy maintenance
- Standardized restroom design can be replicated

RESTROOM FACILITY CONCEPT

CONSULTANT: Jensen Yorba Wall Inc.

PDC ENGINEERS
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PROJECT: MUNICIPALITY OF SKAGWAY WATERFRONT RESTROOMS
Skagway, Alaska

SHEET TITLE: MODEL VIEW
SCHEMATIC DESIGN

DESIGN ADC
DRAWN ADC
CHECKED WJ
DATE 4-30-2021
PROJECT No. 21020
SHEET NUMBER A001

REVISIONS

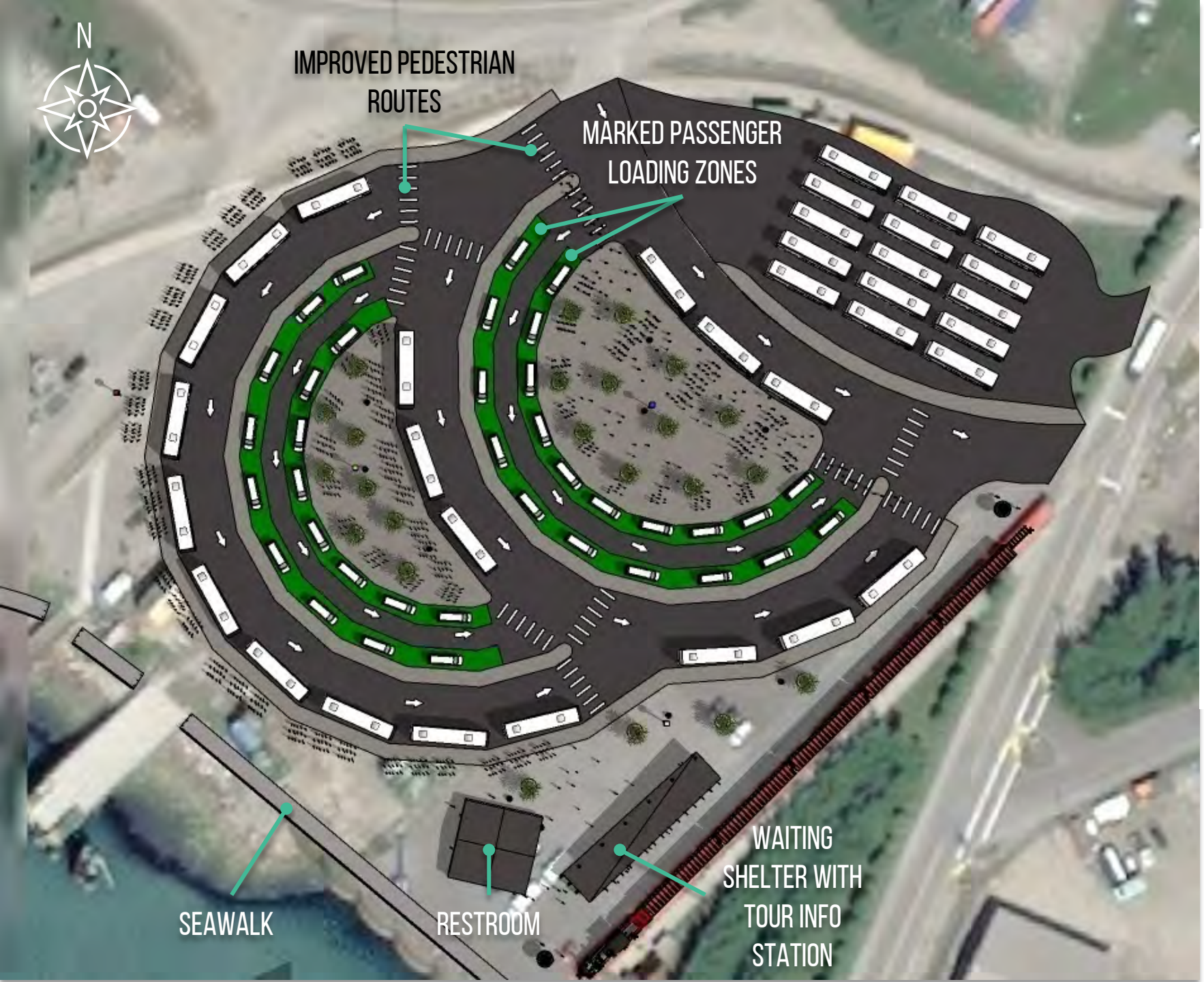
HIGHLIGHTS:

- Through collaboration with Skagway Traditional Council, building design integrates Native Alaskan art elements
- Standardized restroom design can be replicated

BROADWAY DOCK UPLAND EXISTING CONDITIONS

STAKEHOLDER FEEDBACK:

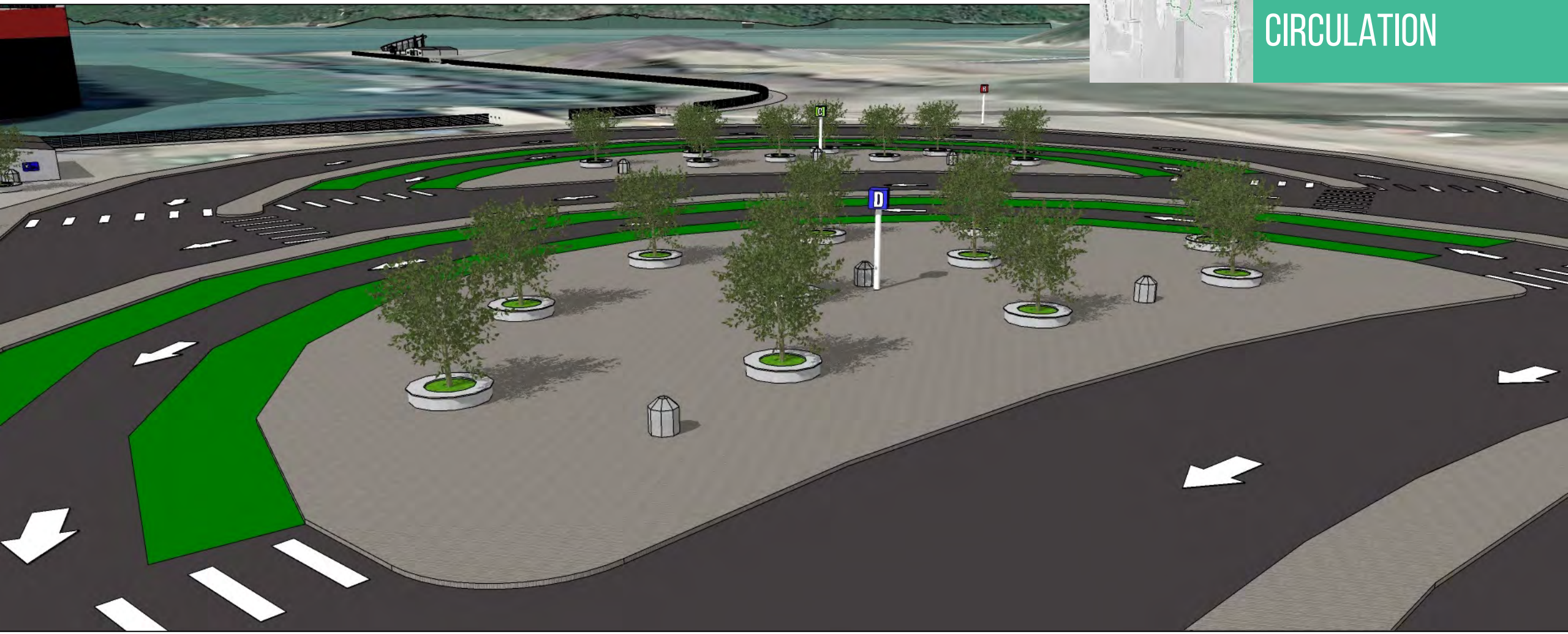
- TOUR OPERATIONS
  - Chaotic, cramped, & confusing
  - Passengers exposed to wind & weather
  - Pedestrian & vehicle conflicts
  - Need for improved SMART stop
  - Need to consider bus/train transfers



BROADWAY DOCK ACCESS & CIRCULATION OVERVIEW

HIGHLIGHTS:

- Vehicles do not need to back out
- Enter from State, exit onto Broadway
- Capacity for 2 large ships
- Designated motorcoach & small tour vehicle areas
- Improved turning movements
- Additional staging area to north
- Marked pedestrian routes
- Restrooms



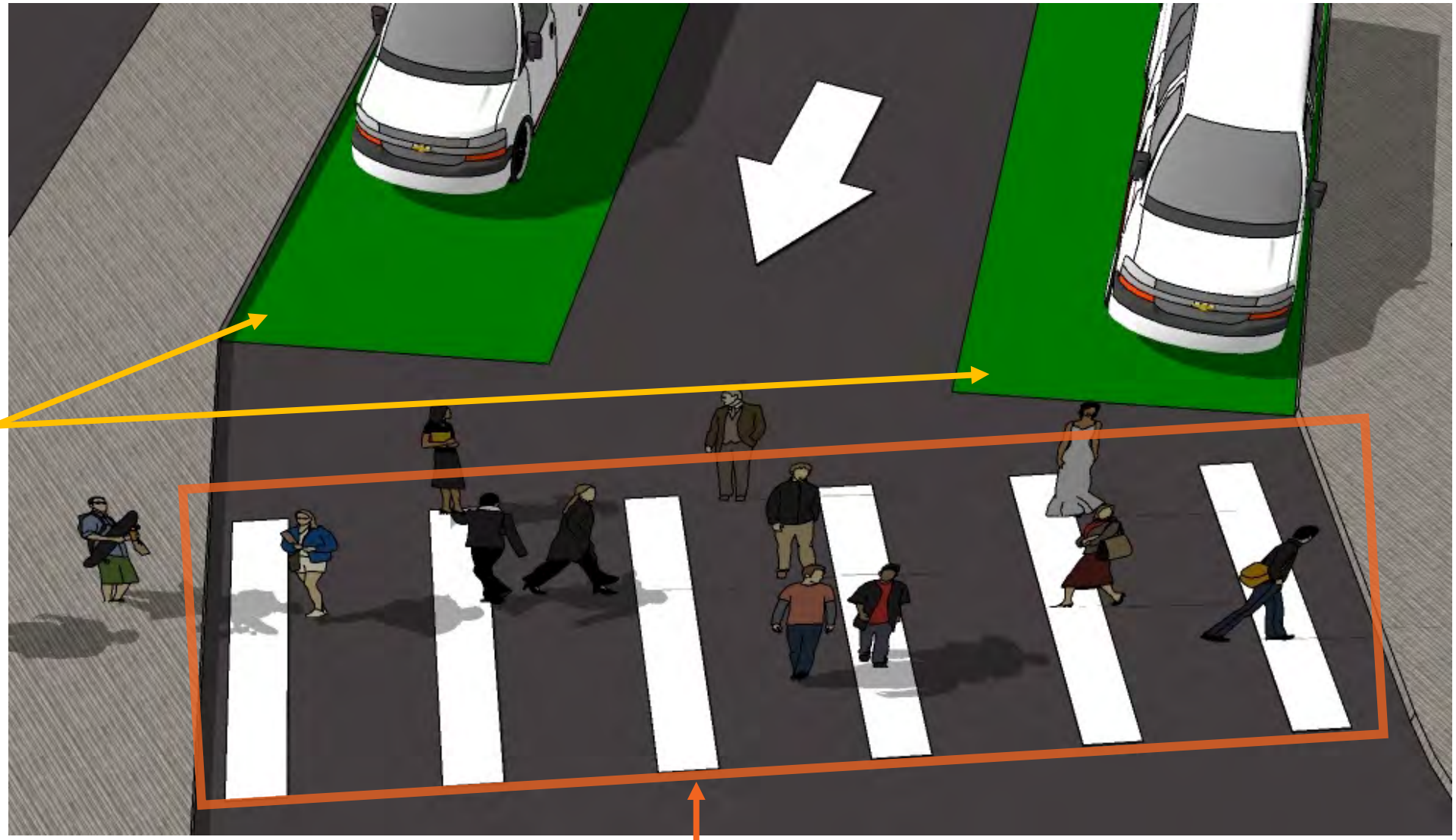
BROADWAY DOCK ACCESS & CIRCULATION

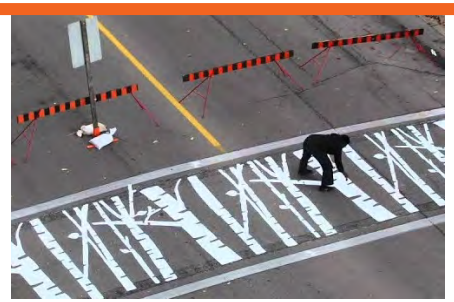
BROADWAY DOCK ACCESS & CIRCULATION

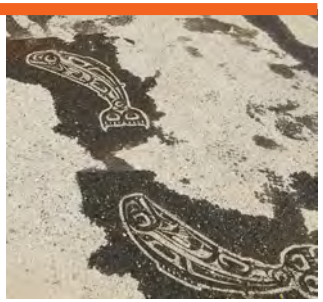
BROADWAY DOCK ACCESS & CIRCULATION DETAIL

HIGHLIGHTS:

- Walled shelters with tour info stations
- 2 central plazas with seating, landscape trees, & trash receptables
- Marked passenger loading zones

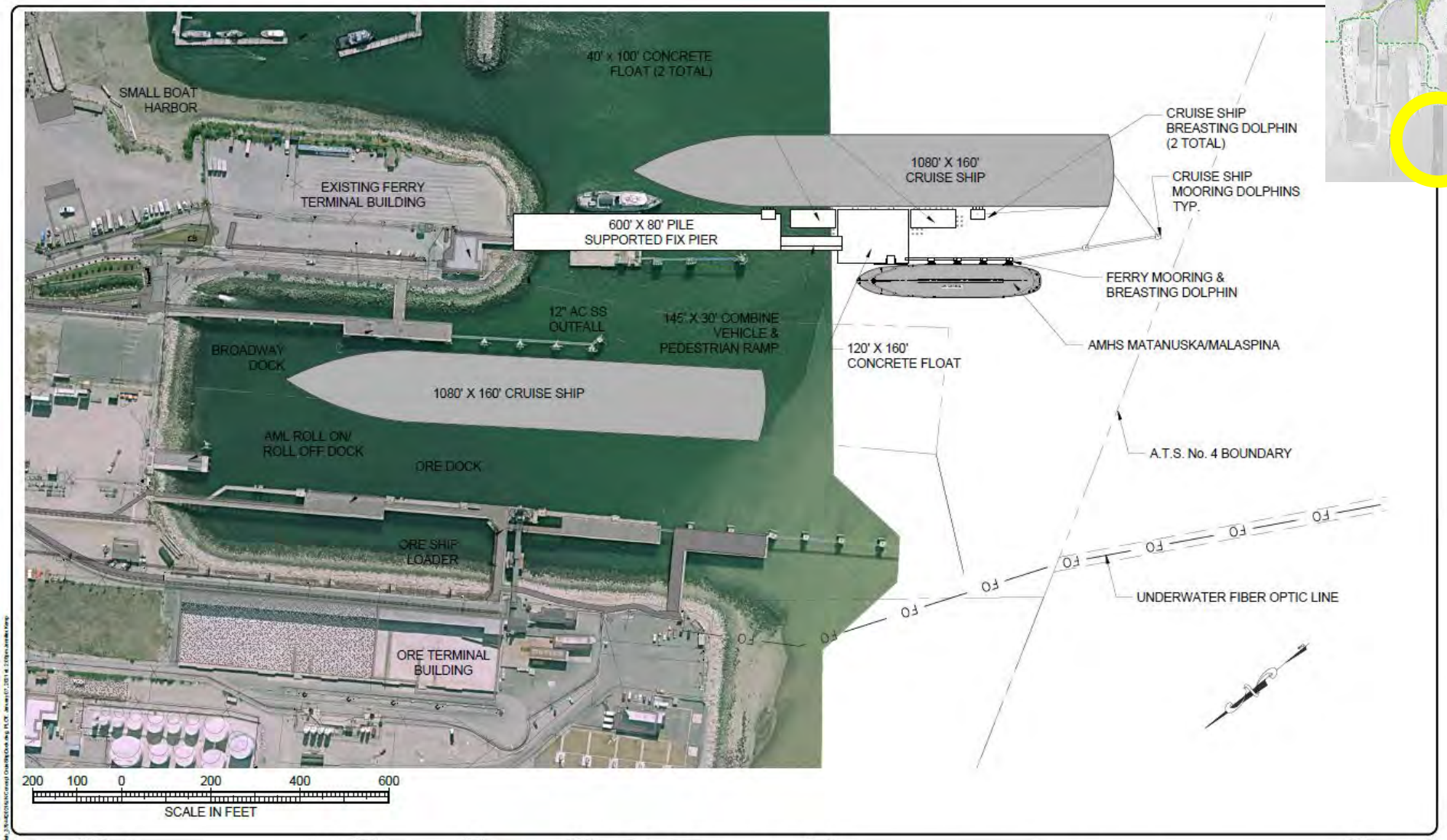






ARTISTIC PAVEMENTS

FERRY PENINSULA SHARED USE DOCK EXTENSION



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CONCEPT FOR
AMHS/CRUISE SHIP DOCK EXTENSION

MUNICIPALITY OF SKAGWAY, ALASKA

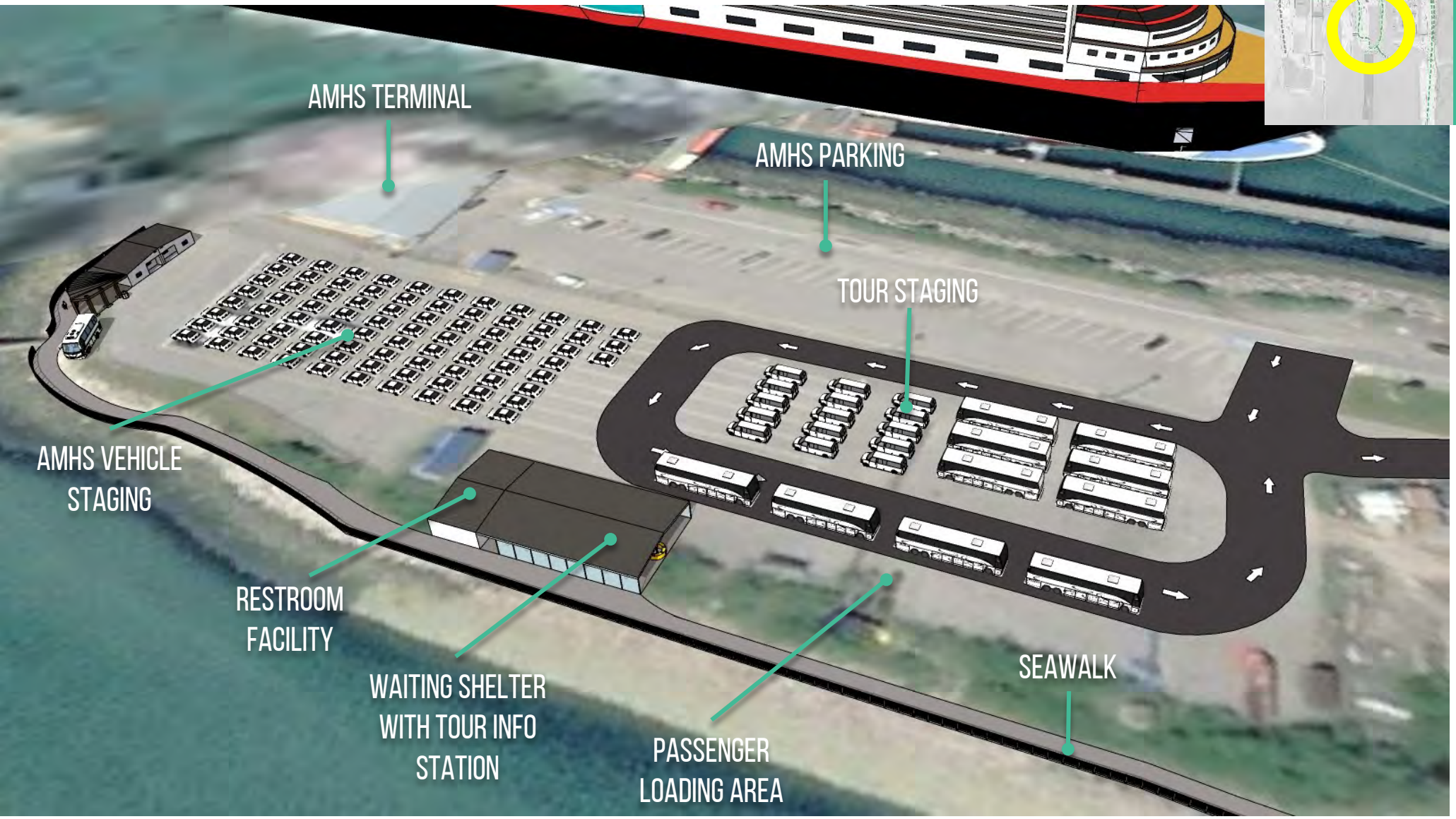
SHEET 2 of 2

HIGHLIGHTS:

- AMHS/Cruise shared use
- Communicating with WPYR on options for rail access to Ferry Peninsula

FERRY PENINSULA UPLAND EXISTING CONDITIONS

FERRY PENINSULA REVISED CONCEPT OVERVIEW



HIGHLIGHTS:

- AMHS/Cruise shared use
- Minimal AMHS & tour loading conflicts
- Passenger shelters & restroom facilities
- Seawalk for pedestrian traffic

SEAWALK DESIGN OVERVIEW

CROSSING DETAIL

SIGNAGE, PAVEMENT MARKINGS, & BOLLARDS ALERT PEDESTRIANS TO BOAT LAUNCH ZONES

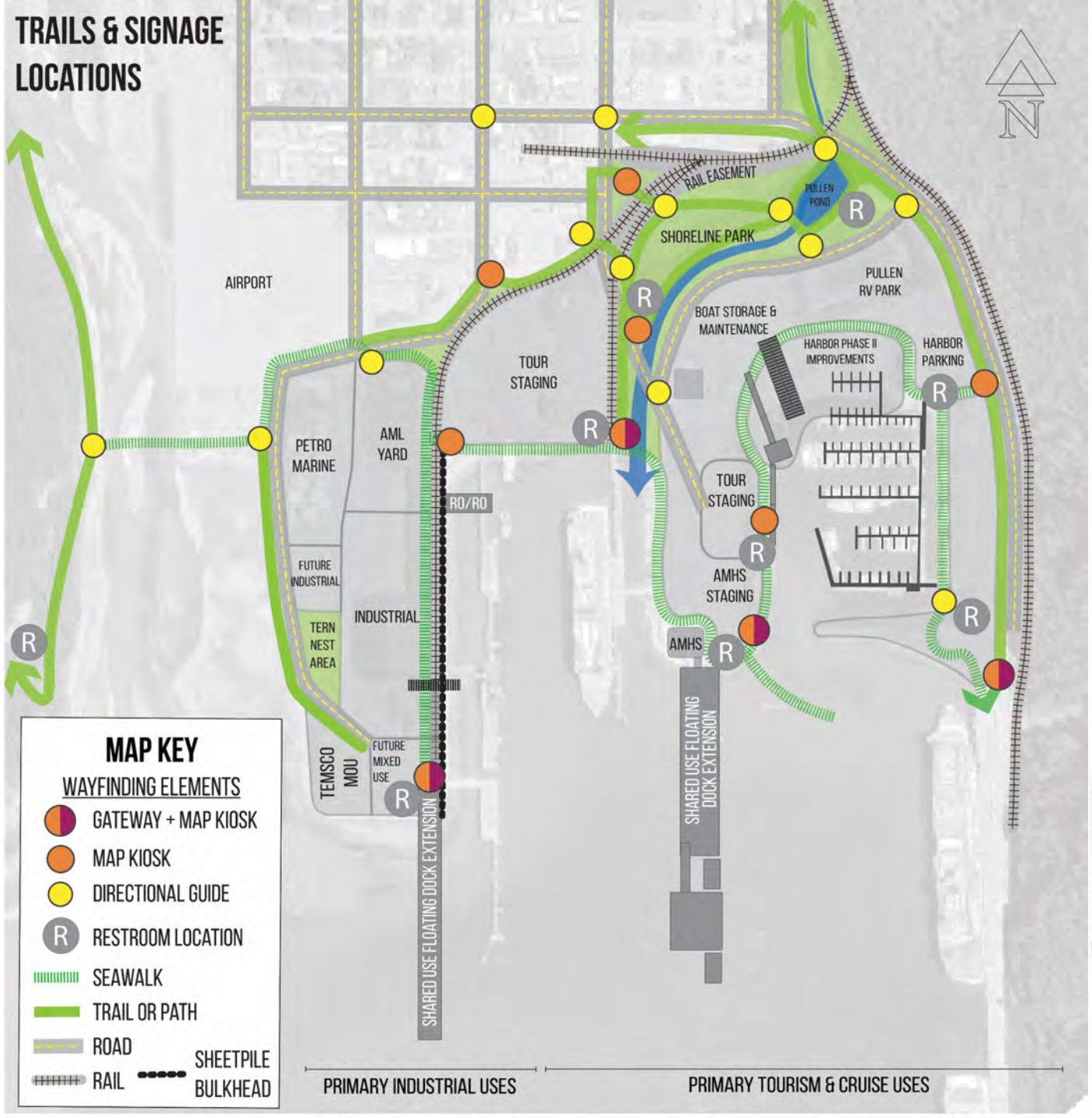
HIGHLIGHTS:

- Continuous Seawalk from Yakutania Point Trails to Railroad Dock

SEAWALK DETAIL

TRAILS & SIGNAGE

TRAILS & SIGNAGE LOCATIONS



MAP KIOSK

DIRECTIONAL GUIDE

DOCK GATEWAY SIGN

POTENTIAL SIGNAGE COLOR THEMES + MATERIALS

FERRY DOCK
"Emerald Sea Foam"

- Seafoam + emerald green tones
- Green painted wood + copper patina footings
- Maritime weathered grey support beams

BROADWAY DOCK
"Salmon Skin"

- Orange, red + copper tones
- Weathered corten steel footings
- Alaska yellow cedar support beams

ORE DOCK
"Dungeness Crab"

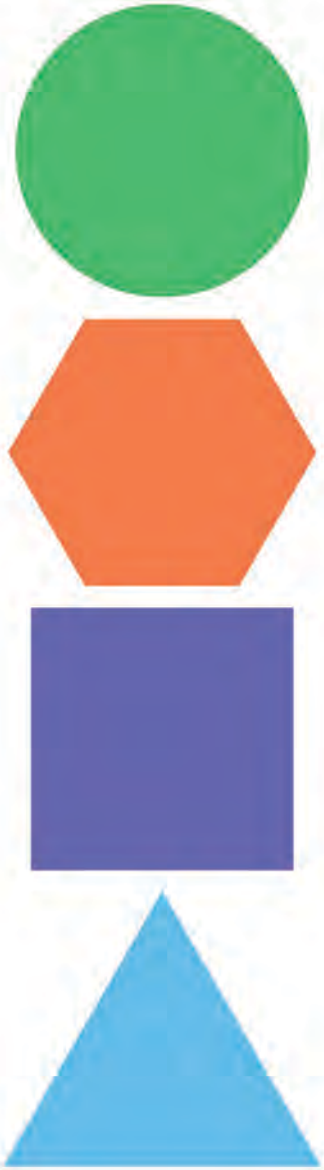
- Purple, Lavender + Copper tones
- Purple/ Grey slate footings
- Dark railroad tie support beams

RAILROAD DOCK
"Mountain Sky"

- Sky blues + sunrise orange tones
- Formline art on upper footing
- Weathered light wood support beams

DOCK SIDEWALK SYMBOLS

OPTION 1:
Simple
Shapes & Colors



OPTION 2:
Symbols,
Shapes & Colors

OPTION 3:*
Native Formline,
Shapes & Colors

*Partner with a local Alaska Native artist to develop a formline figure representing each dock. Examples of formline:

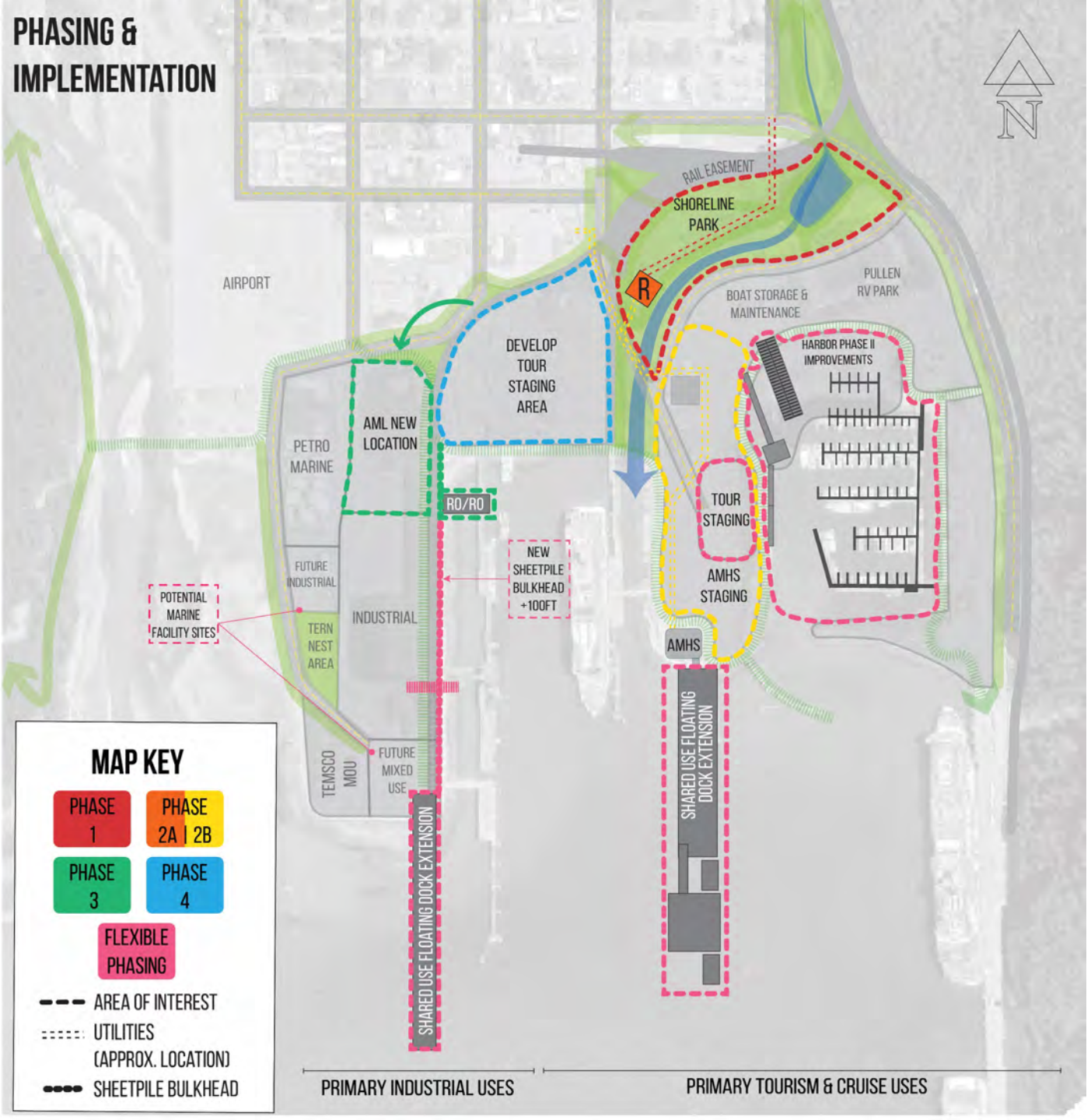
Ferry Dock

Broadway Dock

Ore Dock

Railroad Dock

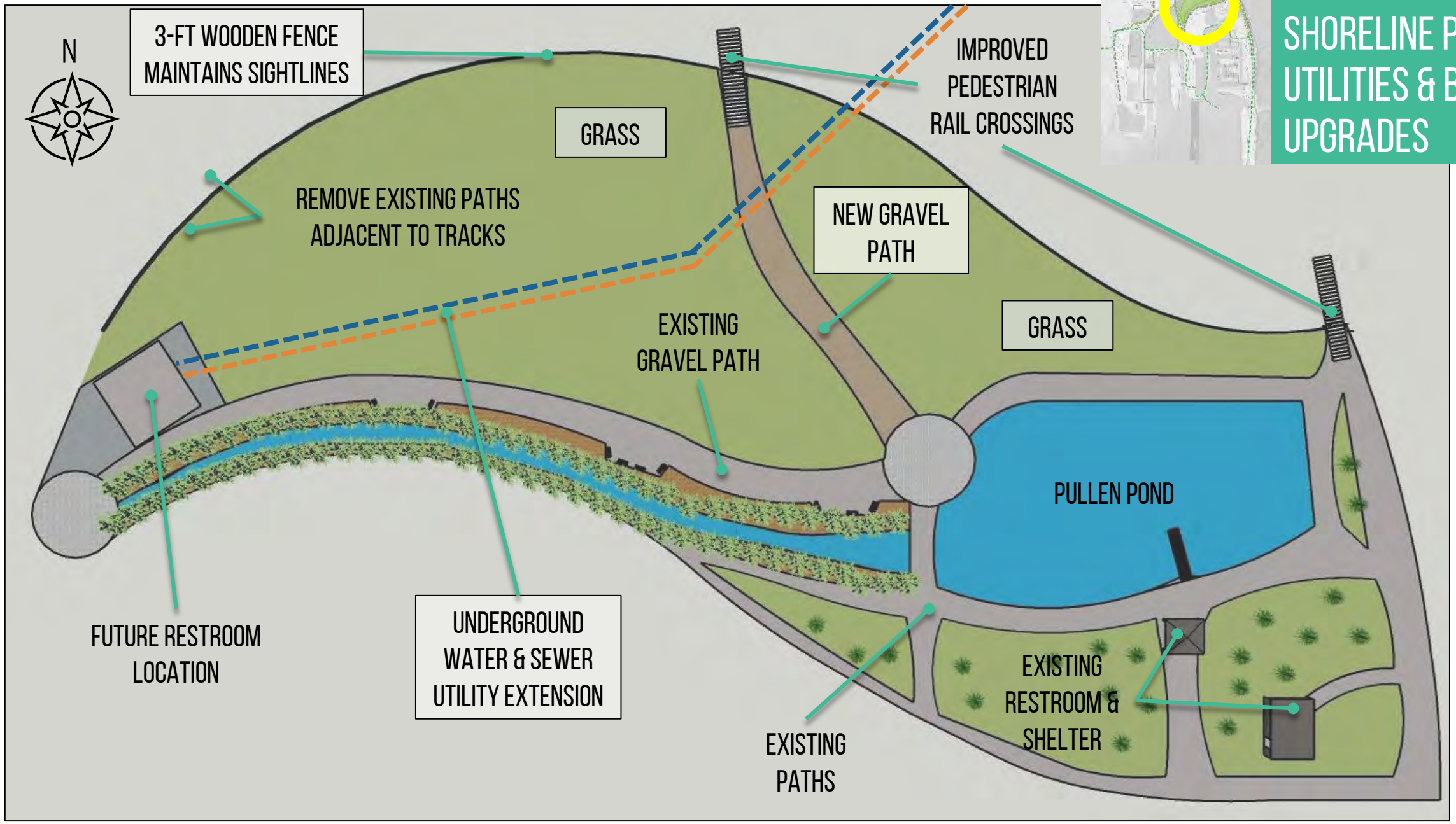
PROJECT PHASING



HIGHLIGHTS:

- PHASE 1 (COVID relief grant):
  - Shoreline Park basic improvements
- PHASE 2A & 2B (GO bond):
  - 2A: Shoreline Park west restroom
  - 2B: Ferry peninsula & SBH utilities
- PHASE 3: AML move
- PHASE 4: Broadway tour staging area
- FLEXIBLE PHASING:
  - SBH Phase II Improvements
  - Dock upgrades & extensions
  - Ferry Tour Staging & upland improvements
  - Shoreline Park additional improvements

PHASE 1 – SHORELINE PARK UTILITIES & BASIC UPGRADES



PHASE 2A – CONSTRUCT SHORELINE PARK RESTROOM (GO-BOND)

NOTES:

1. PROVIDE ALL ADAPTERS, ELBOWS AND OTHER FITTINGS NECESSARY TO CONNECT TO DISSIMILAR PIPE SIZES, MATERIALS AND DEPTHS.
2. PROTECT AND MAINTAIN.
3. FIELD LOCATE EXISTING 6" PVC SEWER STUB. REMOVE CAP AND CONNECT TO EXISTING 6" PVC. EXTEND NEW 6" PVC INTO RESTROOM BUILDING 12' ± AT 2% SLOPE. COORDINATE WITH MECHANICAL.
4. REMOVE AND RESET EXISTING BOULDERS AS SHOWN AROUND THE NEW RESTROOM BUILDING SITE GRADING LIMITS, TYPICAL. COORDINATE LOCATION WITH MOS PUBLIC WORKS DIRECTOR.
5. FIELD LOCATE EXISTING 8" DI WATER MAIN AND INSTALL 2" POLY WATER SERVICE TO RESTROOM. SEE DETAIL ON SHEET XXX.
6. REMOVE EXISTING NO PARKING SIGN AND POST ASSEMBLY, RETURN TO MOS PUBLIC WORKS DEPARTMENT.
7. CONSTRUCT 4" THICK CONCRETE BATHROOM PLAZA SLAB AND SIDEWALKS WITH PATTERNED JOINTS.

EXISTING SSMH	TYPE I
LID EL=	28.00
SF-1 IE=	25.48
FUTURE 6" PVC IE=*	25.58

EXISTING 8" C900 PVC SEWER
EXISTING 6" DI WATER
EXISTING FIRE HYDRANT
EXISTING RIPRAP SLOPE
PULLEN CREEK
SSMH
APPROXIMATE EXISTING TREELINE
EDGE OF EXISTING GRAVEL PATH PULLEN CREEK STREAMWALK
EXISTING TOP OF BANK
WOOD RAILING SEE NOTE 2
STREAM LOOKOUT SEE NOTE 2
GARBAGE RECEPTACLE SEE NOTE 2
BENCH SEE NOTE 2
EDGE OF EXISTING GRAVEL TYP.
CONCRETE PLAZA SEE NOTE 2
SIGN TYP.
EXISTING TOPSOILED AND HYDROSEEDED AREA
EXISTING HYDROSEED LIMITS, TYP.
EXISTING WOOD FENCE SEE NOTE 2
SEE NOTE 4
SEE NOTE 6
SEE NOTE 8
SEE NOTE 2
PROPOSED RESTROOM FACILITY SEE ARCHITECTURAL FINISH FLOOR EL=29.0'
GRASS LAWN AREA
SEE NOTE
EXISTING CONCRETE SIDEWALK
EXISTING RAILROAD TRACK
TO DOWNTOWN SKAGWAY
BROADWAY

DIAL BEFORE YOU DIG!
U/G WATER, SEWER
983-2449
U/G POWER, TELEPHONE & T.V.
983-2202
UTILITIES SHOWN ON THIS DRAWING INDICATE EXISTENCE ONLY AND DO NOT SUBSTITUTE FOR FIELD LOCATES

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING IT'S PRODUCTION, AFFECTING ALL LABELED SCALES

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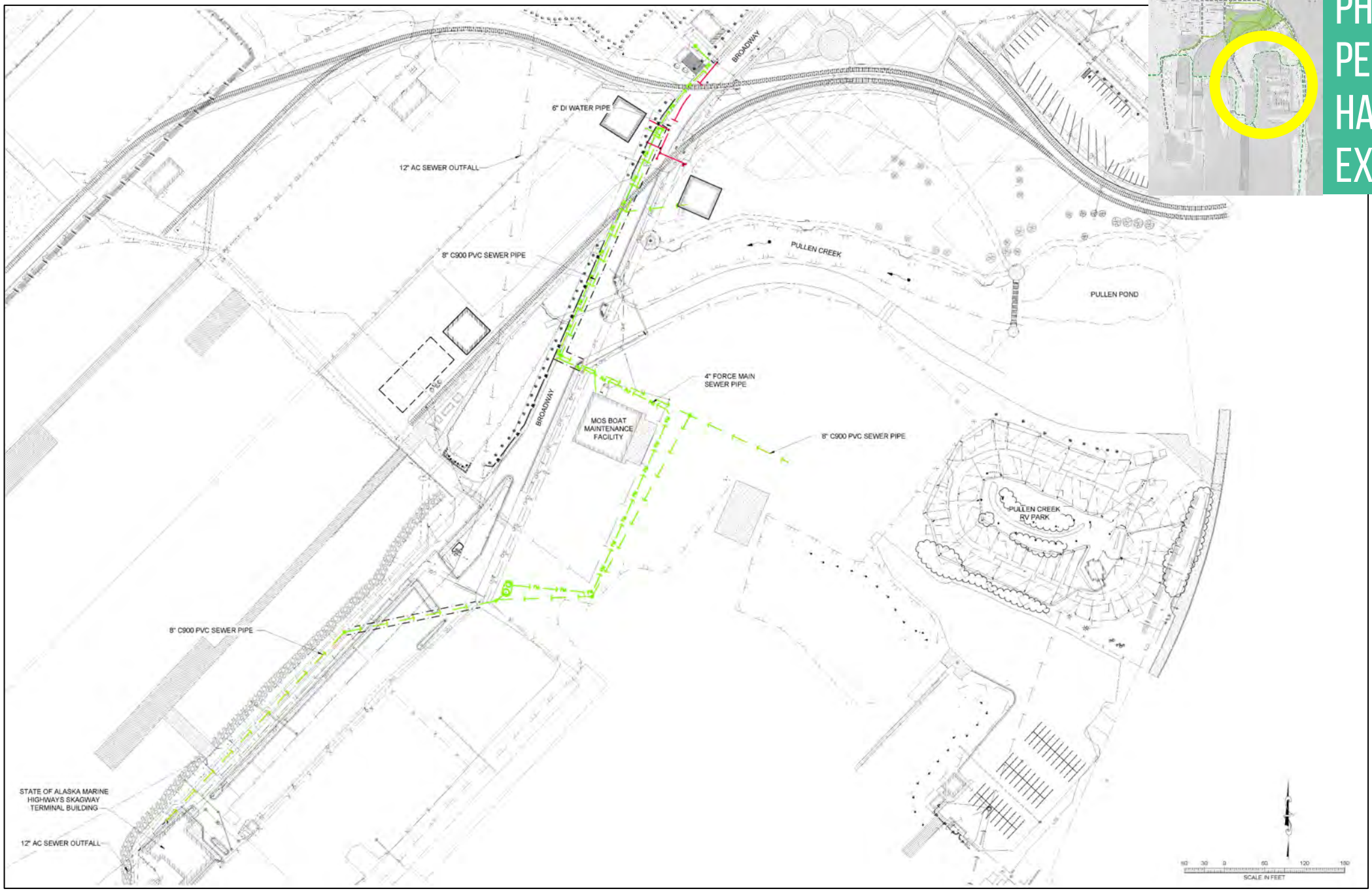
PROJECT:
SHORELINE PARK RESTROOM
SKAGWAY, ALASKA

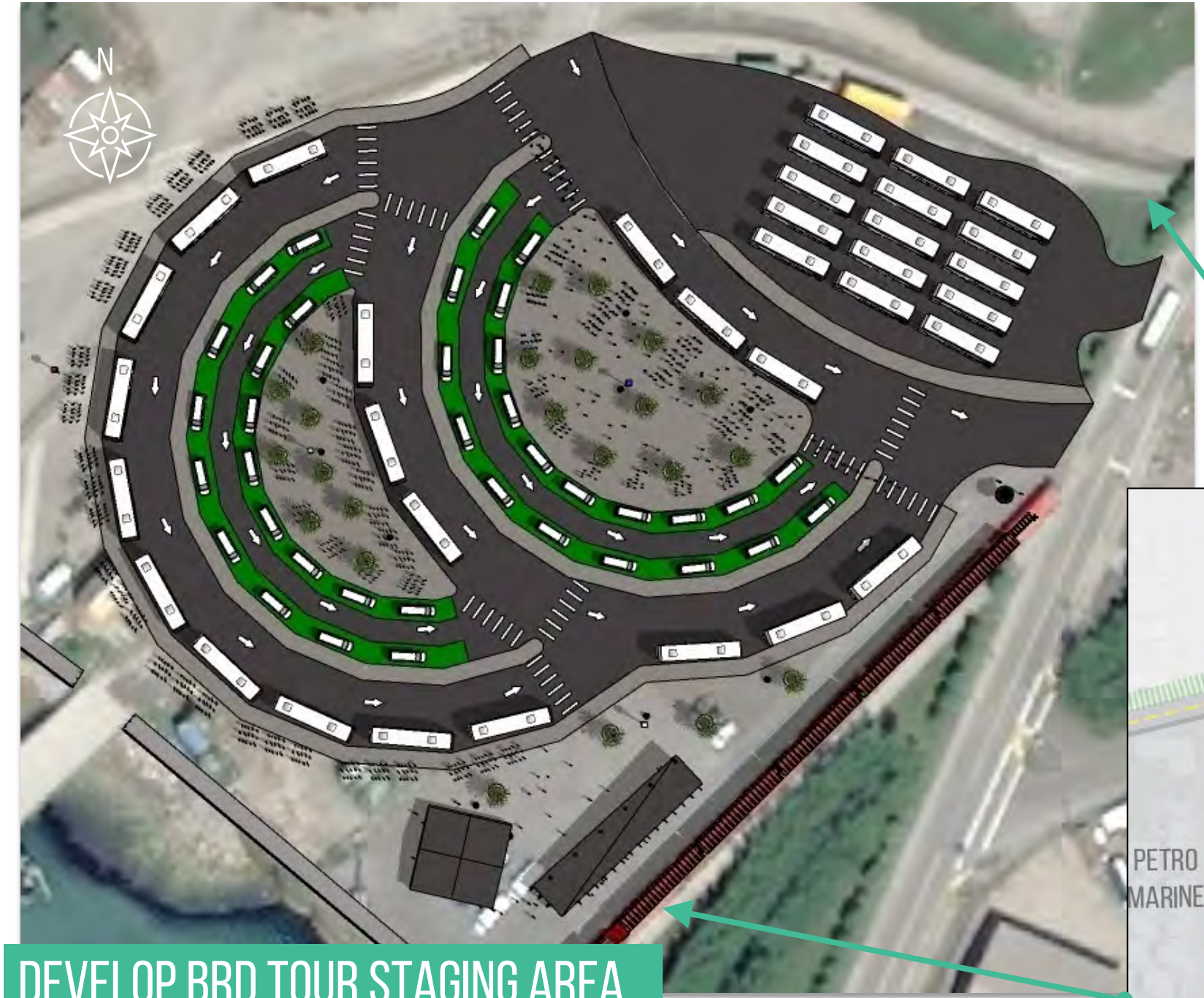
RESTROOM FACILITY

PHASE 2B- FERRY PENINSULA & HARBOR UTILITIES EXTENSION



HIGHLIGHTS:

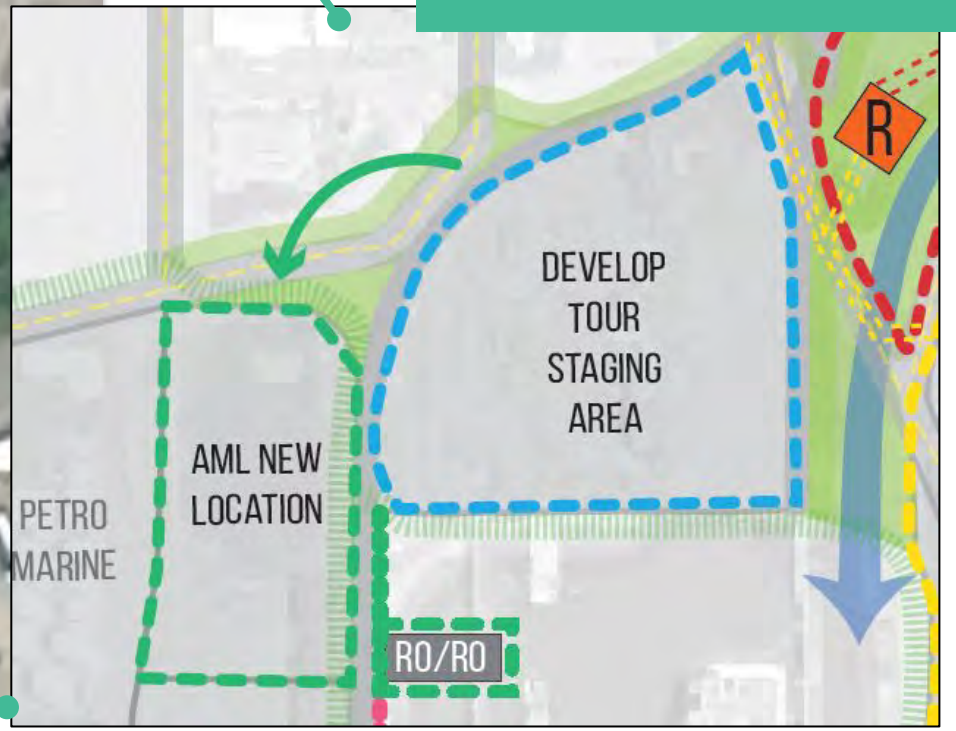
- Sewer utility extension shown in green.
- Water utility extension shown in red.



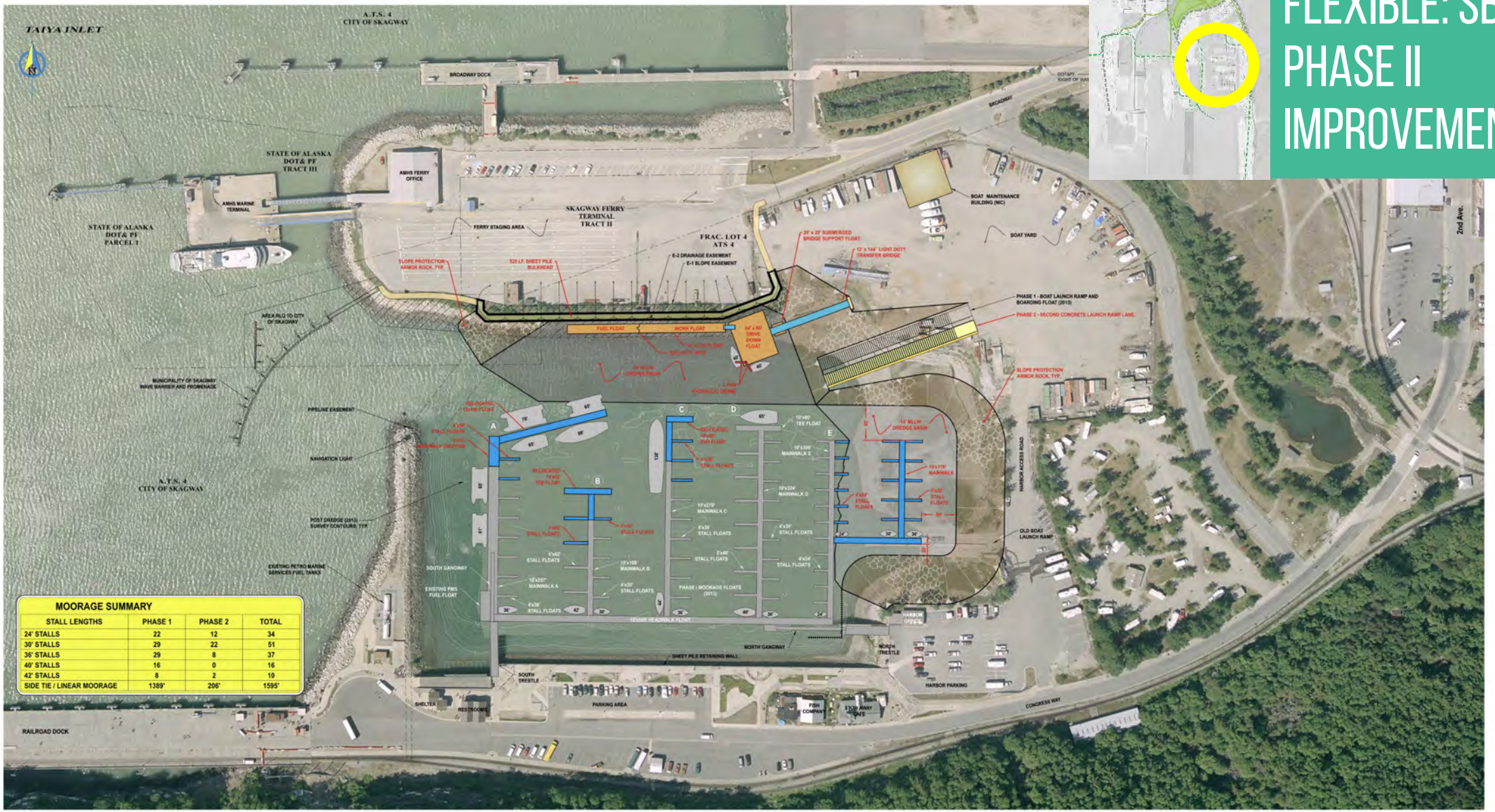
DEVELOP BRD TOUR STAGING AREA

PHASE 3-4:
AML MOVE &
BROADWAY TOUR
STAGING AREA

AML MOVE TO NEW SITE



FLEXIBLE: SBH PHASE II IMPROVEMENTS



MOORAGE SUMMARY

STALL LENGTHS	PHASE 1	PHASE 2	TOTAL
24' STALLS	22	12	34
30' STALLS	29	22	51
36' STALLS	29	8	37
40' STALLS	16	0	16
42' STALLS	8	2	10
SIDE TIE / LINEAR MOORAGE	1389'	206'	1595'

PRELIMINARY

PND ENGINEERS, INC.

SKAGWAY, ALASKA
SKAGWAY HARBOR IMPROVEMENTS
PHASE II

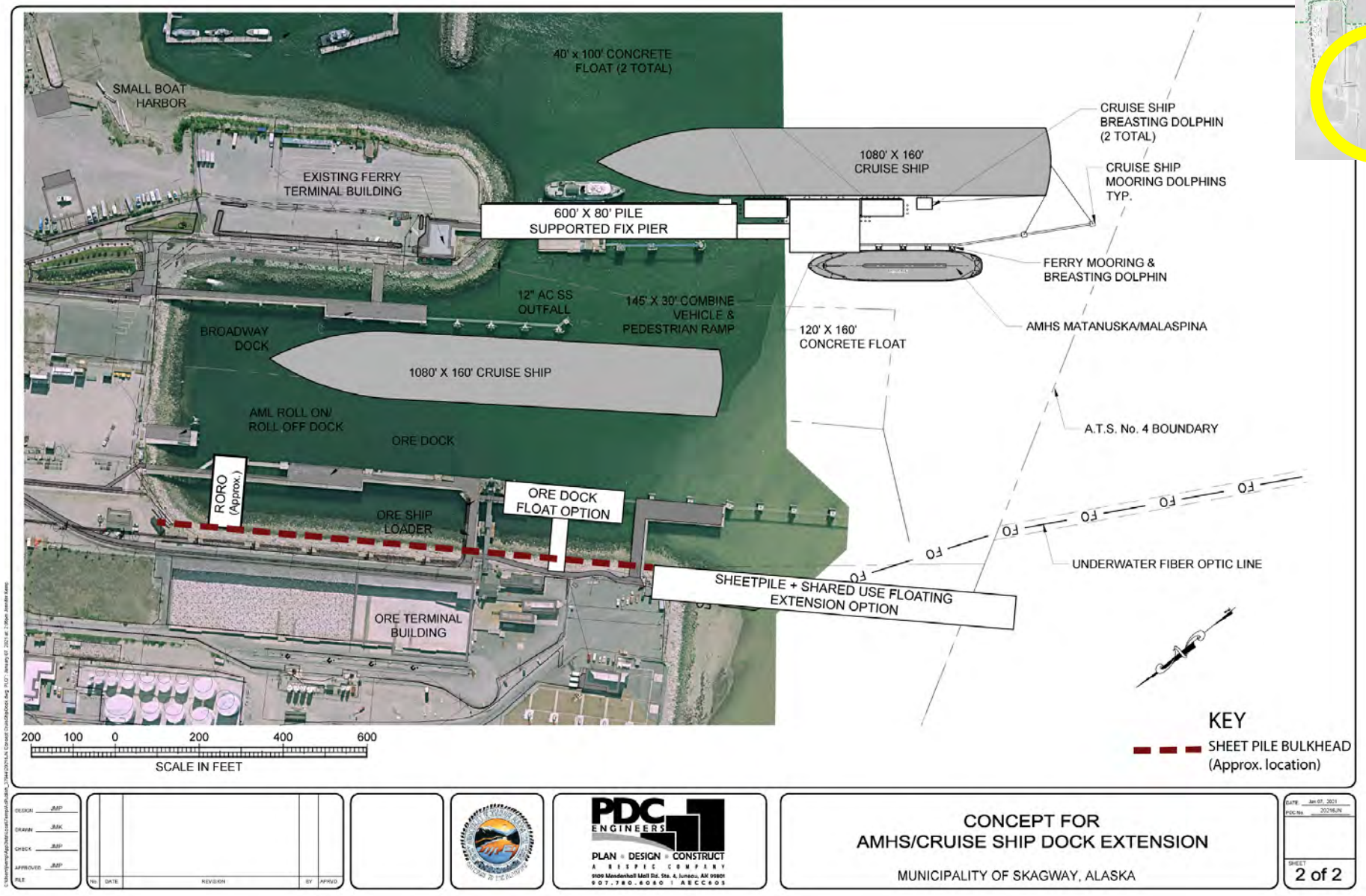
CONCEPT NO. 1
DEVELOPMENT PLAN

SCALE IN FEET
0 50 100 FT.

DATE: 7/3/13

PND PROJECT NO.: 132047

POTENTIAL DOCK EXTENSION OPTIONS



HIGHLIGHTS:

- AMHS/Cruise shared use dock extension (conversations ongoing)
- Small Ore Dock float option (conceptualized by WPYR)
- Sheet pile and large shared use floating dock extension off Ore Peninsula
- RORO facility

FLEXIBLE: SHORELINE PARK ADDITIONAL UPGRADES

QUESTIONS & DISCUSSION

1. MICROSOFT TEAMS VIDEO PARTICIPANTS:
   - Raise your hand using the TEAMS feature.
   - Or type a question into Chat Box.
2. PHONE AUDIO-ONLY PARTICIPANTS:
   - When prompted: please unmute & indicate that you have a question.
3. ALL: Please help us prioritize those who have not yet had a chance to comment. Consider adding additional comments to the chat box.

PLEASE LIMIT YOUR QUESTION/COMMENT TO **3 MINUTES**

Additional comments can be submitted to: PortofSkagway@skagway.org until 5/28/2021.

Stay tuned for a post-event survey.

THANK YOU!

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