



Alaska Department of Transportation & Public Facilities

**REVILLA & GRAVINA AIRPORT FERRY TERMINAL
IMPROVEMENTS**

Projects # SFHWY00085 / SFHWY00109

**Ketchikan Gateway Borough Assembly Meeting
May 14th, 2018**



Project Update - Overview & Schedule

Revilla Uplands Project

- Overall site review – changes after Oct 16th, 2017 Borough Assembly meeting
- Vehicle & pedestrian flow – ticketing, staging, waiting,
- New passenger waiting facilities and support buildings (Separate Gravina Access Supplemental Environmental Impact Statement (SEIS) Project)

Revilla / Gravina Marine Projects

- Construct two new ferry berths at Revilla and Gravina shuttle ferry terminals.
- Refurbish existing Revilla & Gravina ferry berths (Separate Gravina Access SEIS Project)

Schedule

- Fall, 2018: Complete design/advertise construction contracts.
- Fall, 2020: Complete construction.
- Sequencing of 4 construction phases





All Projects

GRAVINA AND REVILLA PROJECTS - DETAILED SCHEDULE

Date: 5/11/2018

Project No.	Need ID	Project Description	Staff	Construction Cost	Const Ob Yr	Project Development				Construction				
						Prelim Dsgn Env Document	Final Design Obligation	PIH Review	PSE Review	Construction Obligation	Bid Advertise	Contract Award	Construction Start	Construction Finish
1 (SFHWY00085)	30830	Revilla Airport Ferry Terminal Upland Improvements Revilla Airport New Ferry Berth	Consultant	\$9,100,000 \$11,000,000	18	6/15/2018	6/29/2018	8/28/2018	9/27/2018	10/27/2018	12/28/2018 12/28/2018	3/26/2019 3/26/2019	6/24/2019 7/24/2019	9/26/2020 1/20/2020
2 (SFHWY00150)	30831	Revilla Refurbish Existing Ferry Berth	Lowell	\$4,000,000	19	6/15/2017	8/15/2017	8/10/2018	12/8/2018	4/7/2019	8/5/2019	11/3/2019	6/30/2020	1/26/2021
3 (SFHWY00151)	30832	Revilla New Passenger Waiting Facility	Consultant	\$3,500,000	19	6/15/2017	8/15/2017	8/28/2018	9/27/2018	10/27/2018	12/28/2018	3/28/2019	6/24/2019	9/26/2020
4 (SFHWY00152)	30833	Gravina Ferry Layup Facility	Consultant	\$19,000,000	19	6/15/2017	8/15/2017	8/15/2018	12/13/2018	2/11/2019	5/12/2019	8/10/2019	3/7/2020	10/3/2020
5 (SFHWY00153)	30834	Gravina Refurbish Existing Ferry Berth Facility (not re-aligned)	Lowell	\$6,000,000	19	6/15/2017	8/15/2017	8/10/2018	12/8/2018	4/7/2019	8/5/2019	11/3/2019	6/30/2020	1/26/2021
6 (SFHWY00154)	30835	Gravina Freight Facility	Lowell	\$4,000,000	19	6/15/2017	8/15/2017	8/15/2018	12/13/2018	2/11/2019	5/12/2019	8/10/2019	3/7/2020	1/1/2021
7 (Z882280000)	30836	Replace Airport Creek Bridge (costs do not reflect \$850K in USFS funds)	Pyeatt	\$1,400,000	18	6/15/2017	6/18/2017	8/11/2017	8/11/2017	5/1/2018	6/30/2018	9/28/2018	2/1/2019	8/20/2019
8 (SFHWY00156)	30949	KTN - Reconstruct Road to Airport Boundary	Lockwood/Lester	\$3,400,000	18	6/15/2017	8/15/2017	6/15/2018	7/15/2018	8/14/2018	10/13/2018	1/11/2019	3/12/2019	11/7/2019
9	30887	New Passenger Buses	TBD	\$300,000	19	6/15/2017	7/1/2018	1/17/2019	3/18/2019	5/2/2019	7/1/2019	9/29/2019	11/28/2019	5/26/2020
10 (SFHWY00109)	30829	Gravina New Ferry Berth	Consultant	\$11,700,000	18	6/15/2018	6/29/2018	8/28/2018	9/27/2018	10/27/2018	12/28/2018	3/26/2019	7/4/2019	1/20/2020
11 (SFHWY00184)	31029	Ketchikan Airport Ferry Capacity Modifications	Consultant	\$1,000,000	19	4/27/2018	5/15/2018	1/10/2019	5/10/2019	6/24/2019	8/23/2019	11/21/2019	1/20/2020	7/18/2020
12	31030	Ketchikan Road & Bridge Projects	Staff/Consultant	\$9,500,000	19	1/15/2019	2/14/2019	6/14/2019	8/13/2019	9/12/2019	11/11/2019	2/9/2020	4/9/2020	7/3/2021
13	31031	Ketchikan Construct Black Sands Beach Trail	Staff/Consultant	\$500,000	19	1/15/2019	2/14/2019	6/14/2019	8/13/2019	9/12/2019	11/11/2019	2/9/2020	4/9/2020	7/3/2021

Target Obligation Dates

FY17 Oct 15, 2018 - 8/15/2017
 FY18 Oct 15, 2017 - 8/15/2018
 FY19 Oct 15, 2018 - 8/15/2019

General Project Goals

1. New ferry berths (10) functional before existing ferry berth refurbishment (2 and 5).
2. Advertise Bridge (7) and Road (8) projects in FY18.
3. New passenger waiting building (3) should be constructed in conjunction with Project 1. Multiple construction projects (phases) could also result within Project 1.
4. New layup berth (4) and freight dock (6) may be constructed as one project.
5. Passenger buses (9) can be done most anytime.
6. Scope for projects 12 & 13 are undefined. May be cancelled and funding absorbed into other projects.

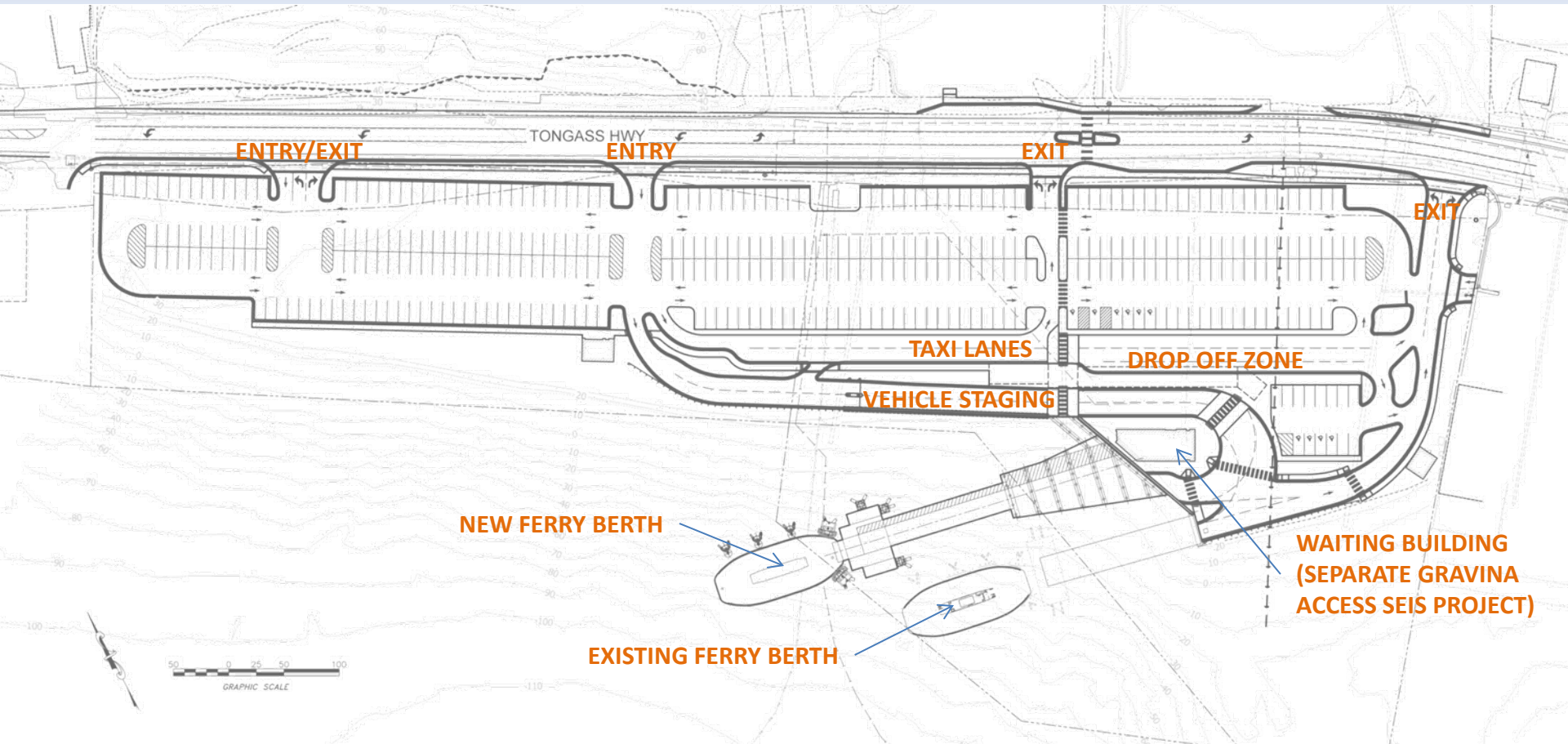
Yellow highlighted projects are Gravina Access SEIS Projects - All other projects are separate, NON-SEIS Projects

Green highlight is completed milestone

Blue highlight - Project may be deleted

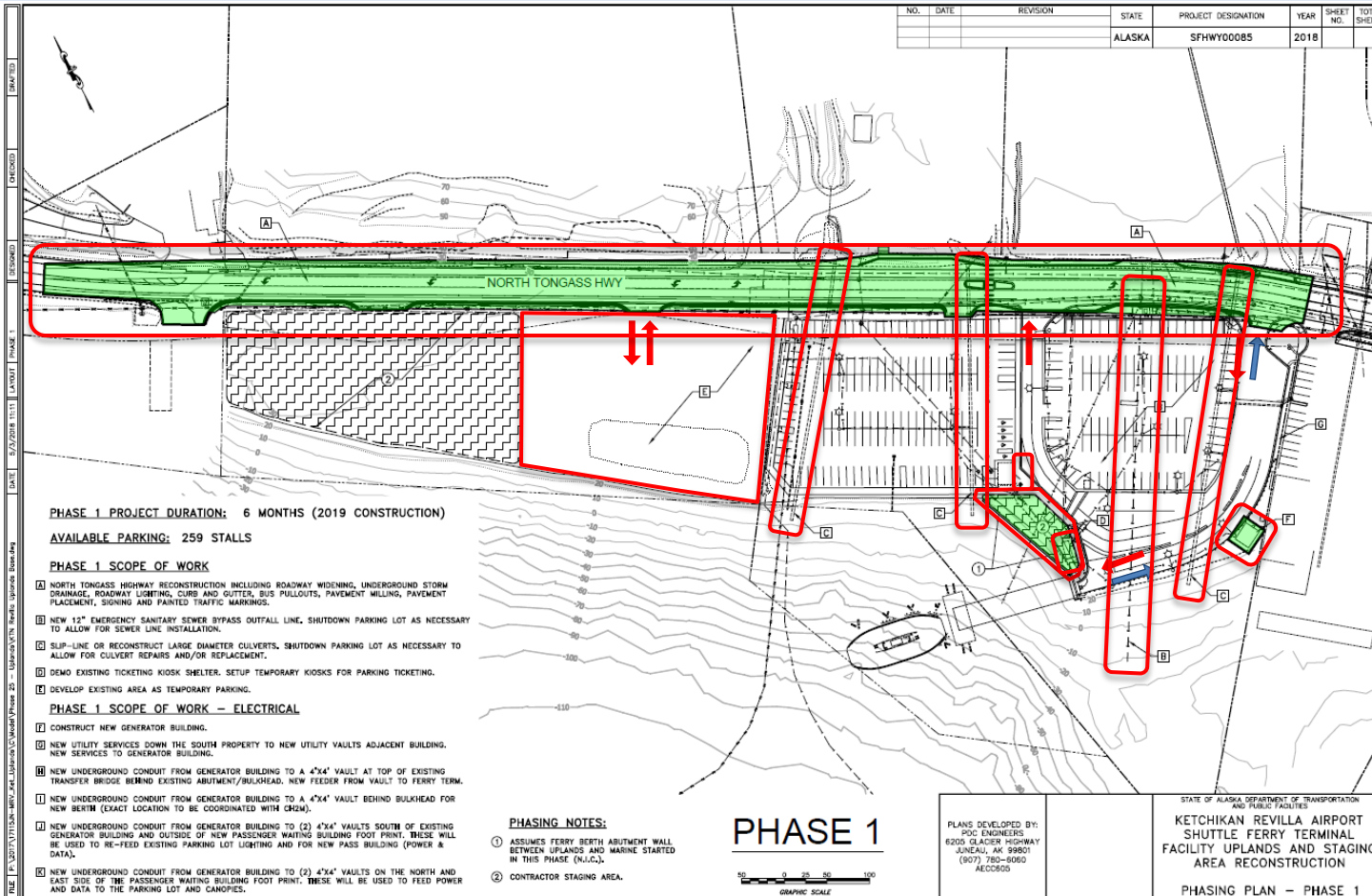


Project Overview - Revilla Uplands





Phase 1 Construction



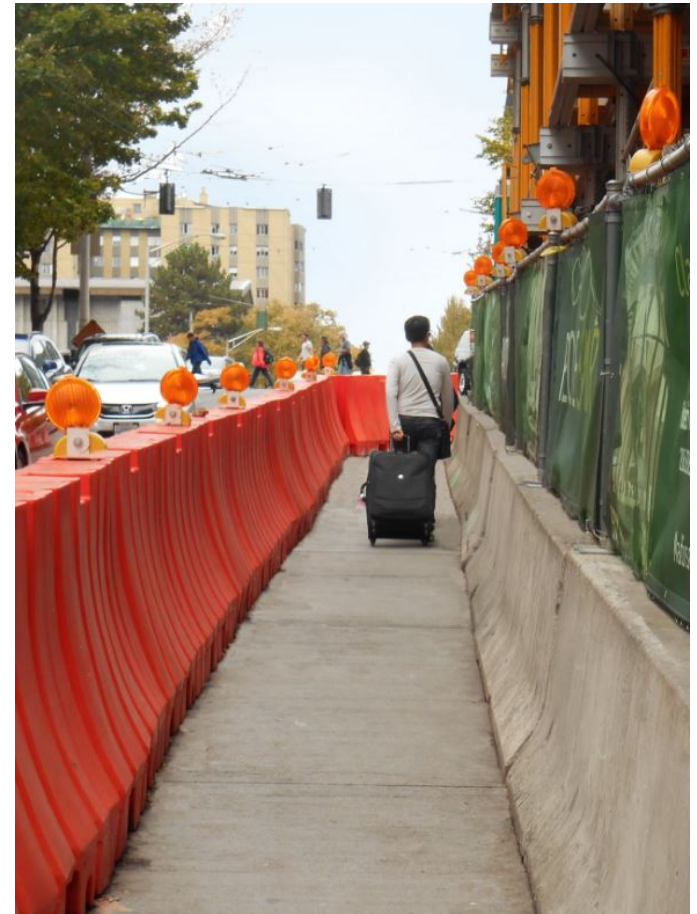
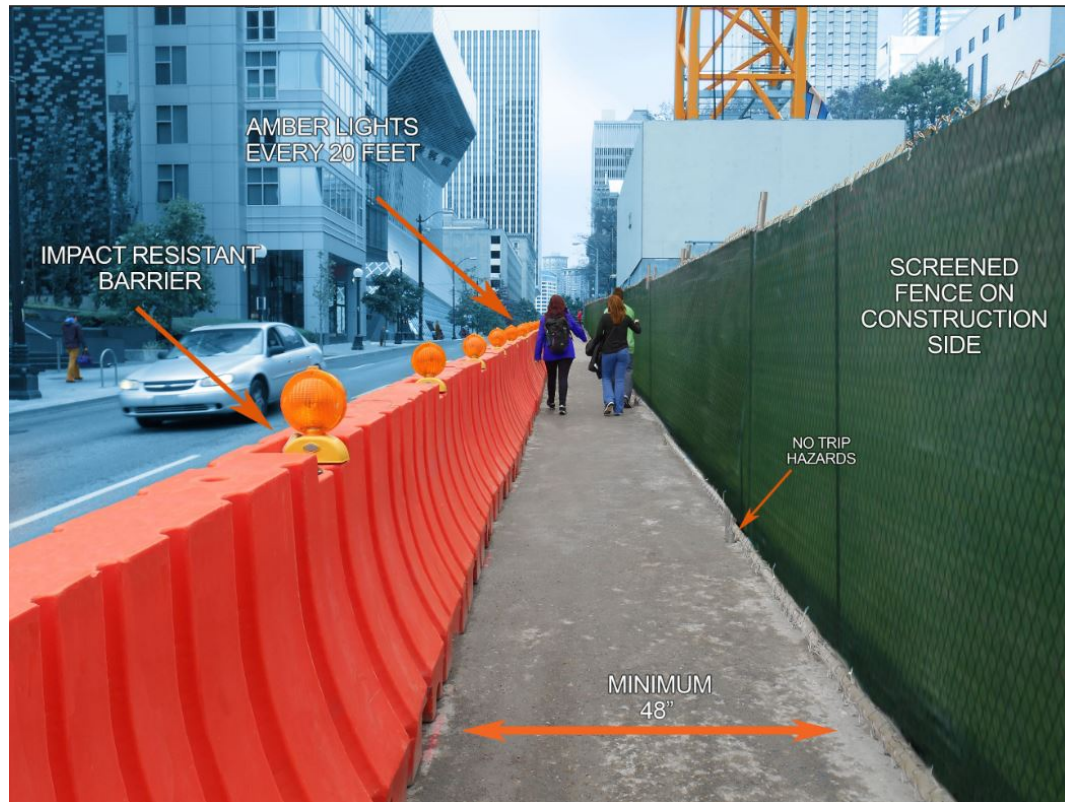
Duration - 6 Months

Key Elements:

- North Tongass Highway Improvements
- Relocate Emergency Sanitary Sewer Bypass Outfall
- Repair or Reconstruct Large Drainage Culverts
- Backup Generator Building
- New Ferry Berth Bulkhead
- Temporary Parking
- Relocate Existing Ticketing Kiosks

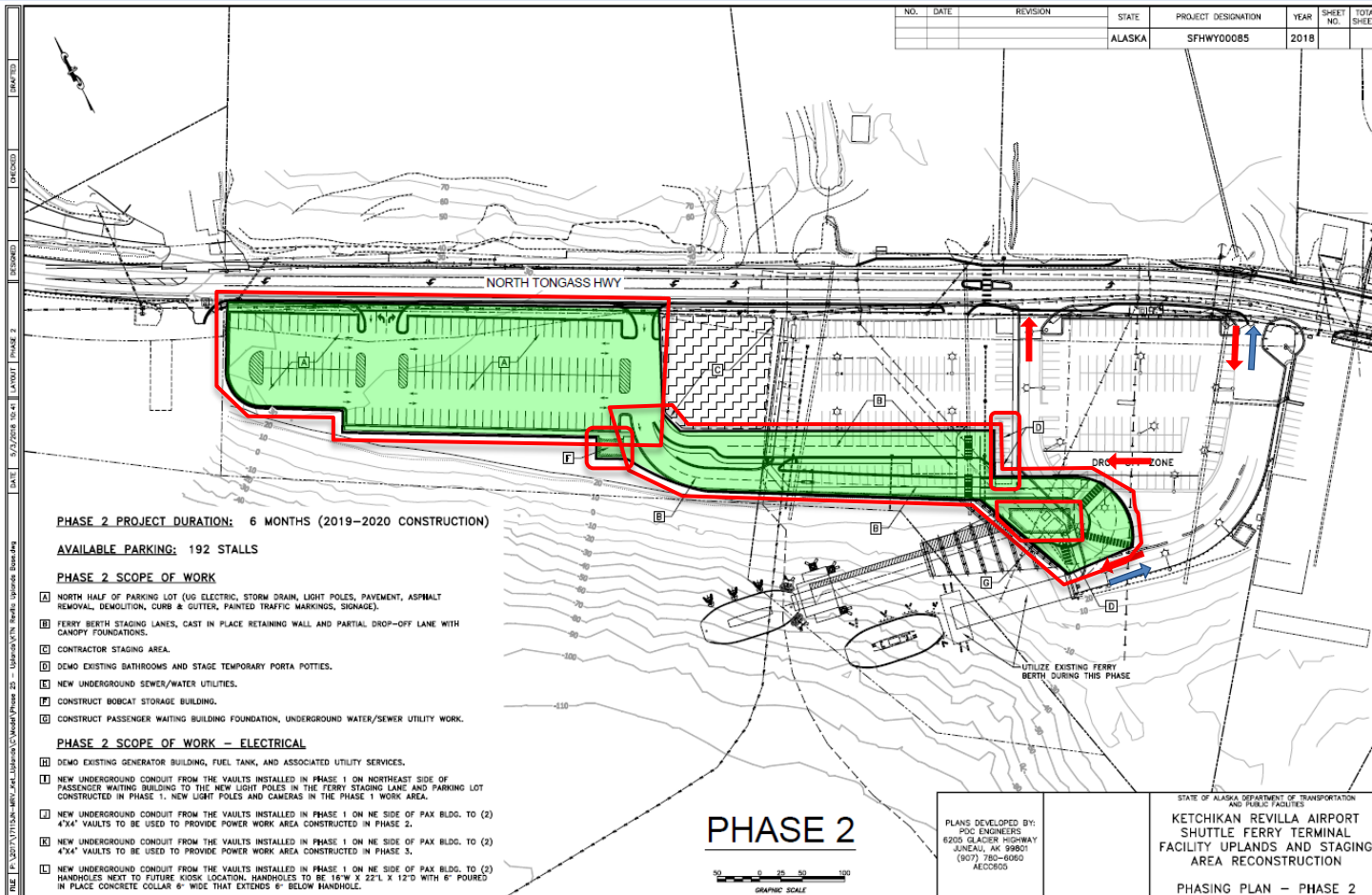


Pedestrian Detours





Phase 2 Construction



Duration – 6 Months

Key Elements:

North Parking Lot

Staging Lanes, North Half of Loading Zone Canopy & Retaining Wall

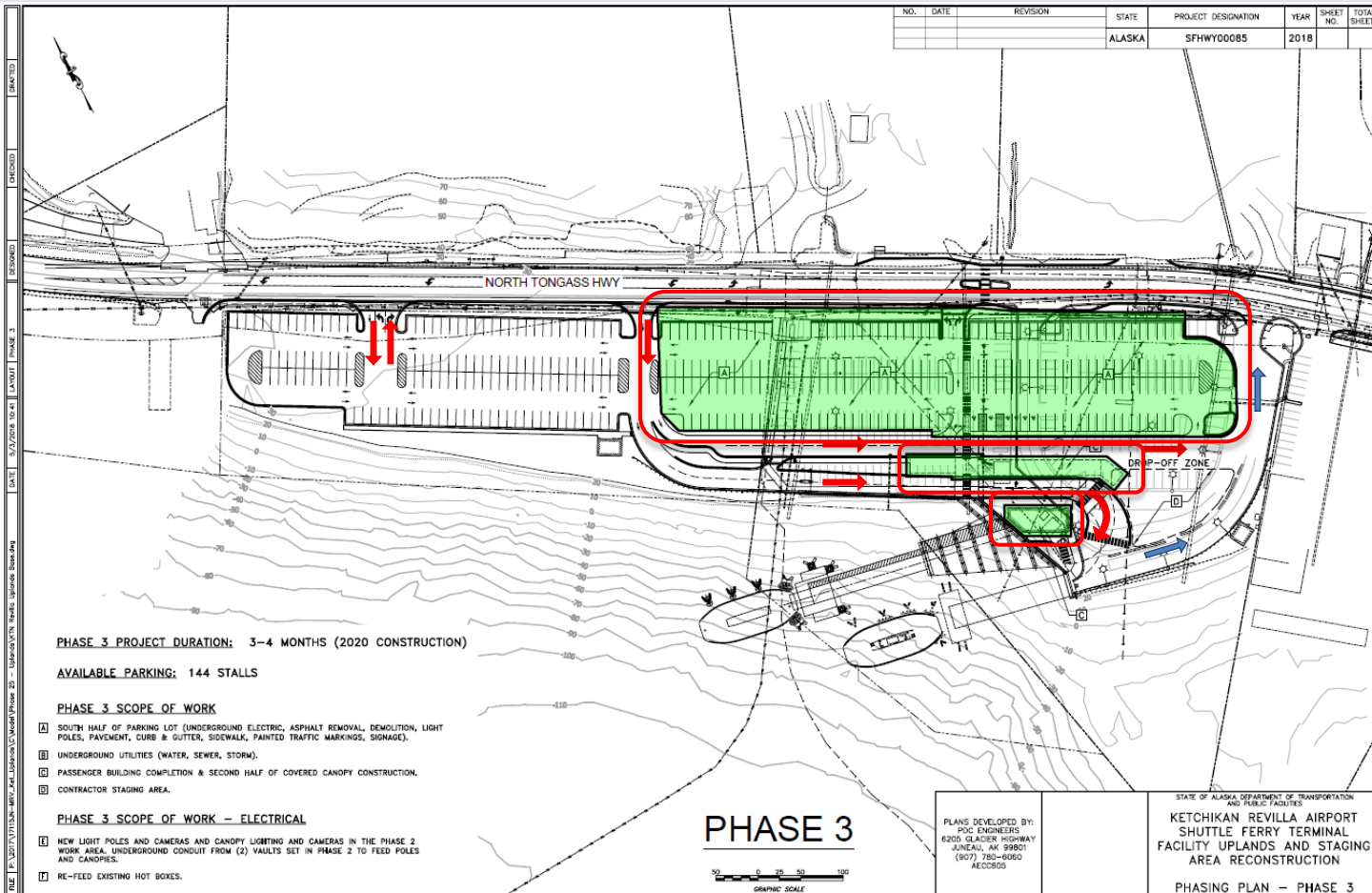
Passenger Waiting Building Foundation & Underground Utilities (Separate Gravina Access SEIS Project)

Equipment Storage Building

Demo Existing Restrooms & Setup Temp Porta Potties



Phase 3 Construction



Duration – 3-4 Months

Key Elements:

South Parking Lot

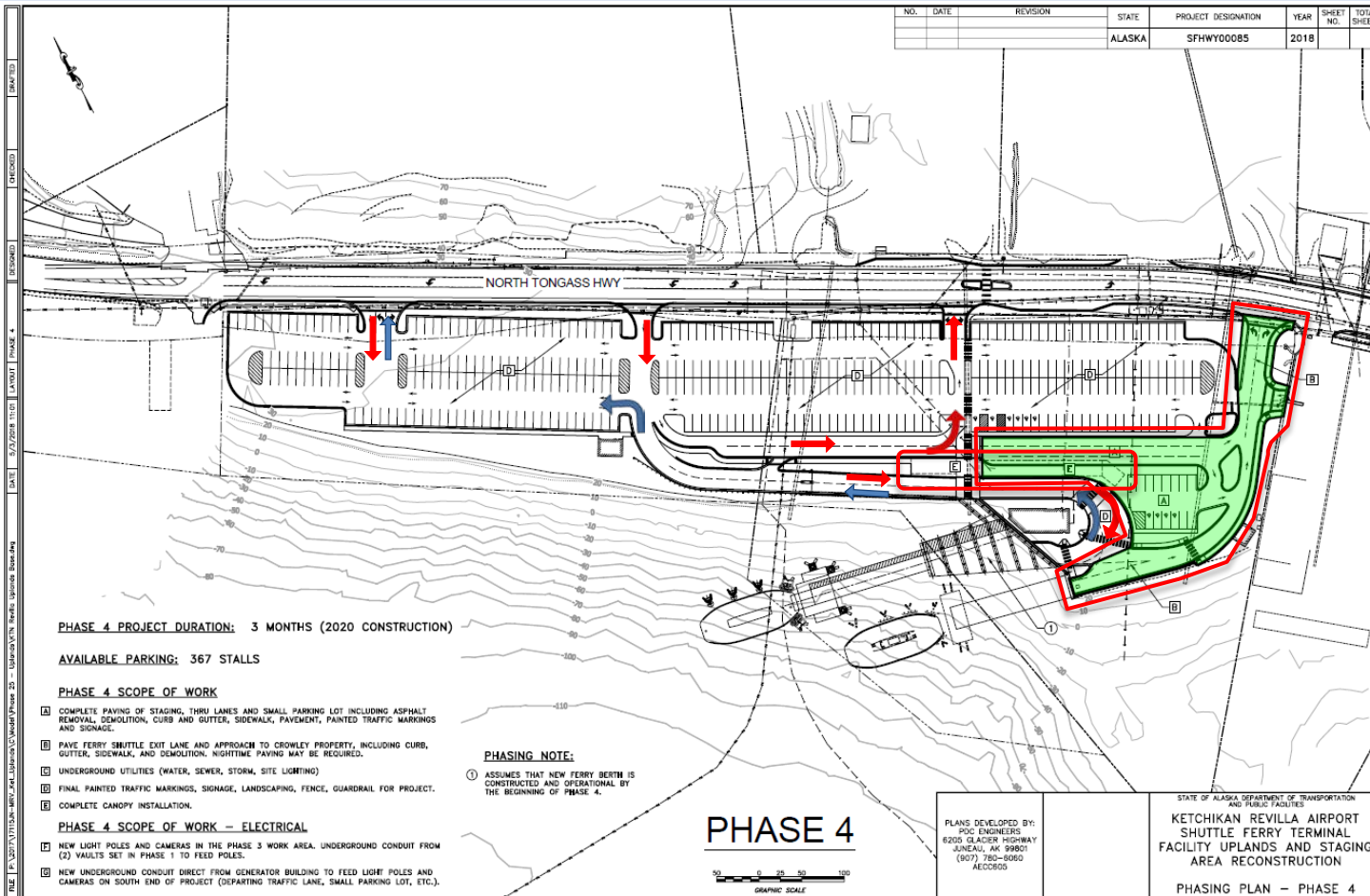
Loading Zone Canopies

Complete Passenger Waiting Building (Separate Gravina Access SEIS Project)

Site Lighting



Phase 4 Construction



Duration – 3 Months

Key Elements:

Complete Loading Zone & Ferry Exit Lanes

Complete Loading Zone Canopies

Site Lighting & Cameras



Wayfinding & Signage



PEDESTRIAN SIGNAGE PLACED NEXT TO KIOSK AND UNDER CANOPIES AS WINDBREAK FEATURES

HIGHLY VISABLE VEHICULAR SIGNAGE

MONUMENT STYLE WELCOME SIGN "WELCOME TO KETCHIKAN"



Wayfinding & Signage



FERRY LANES & LOADING ZONES

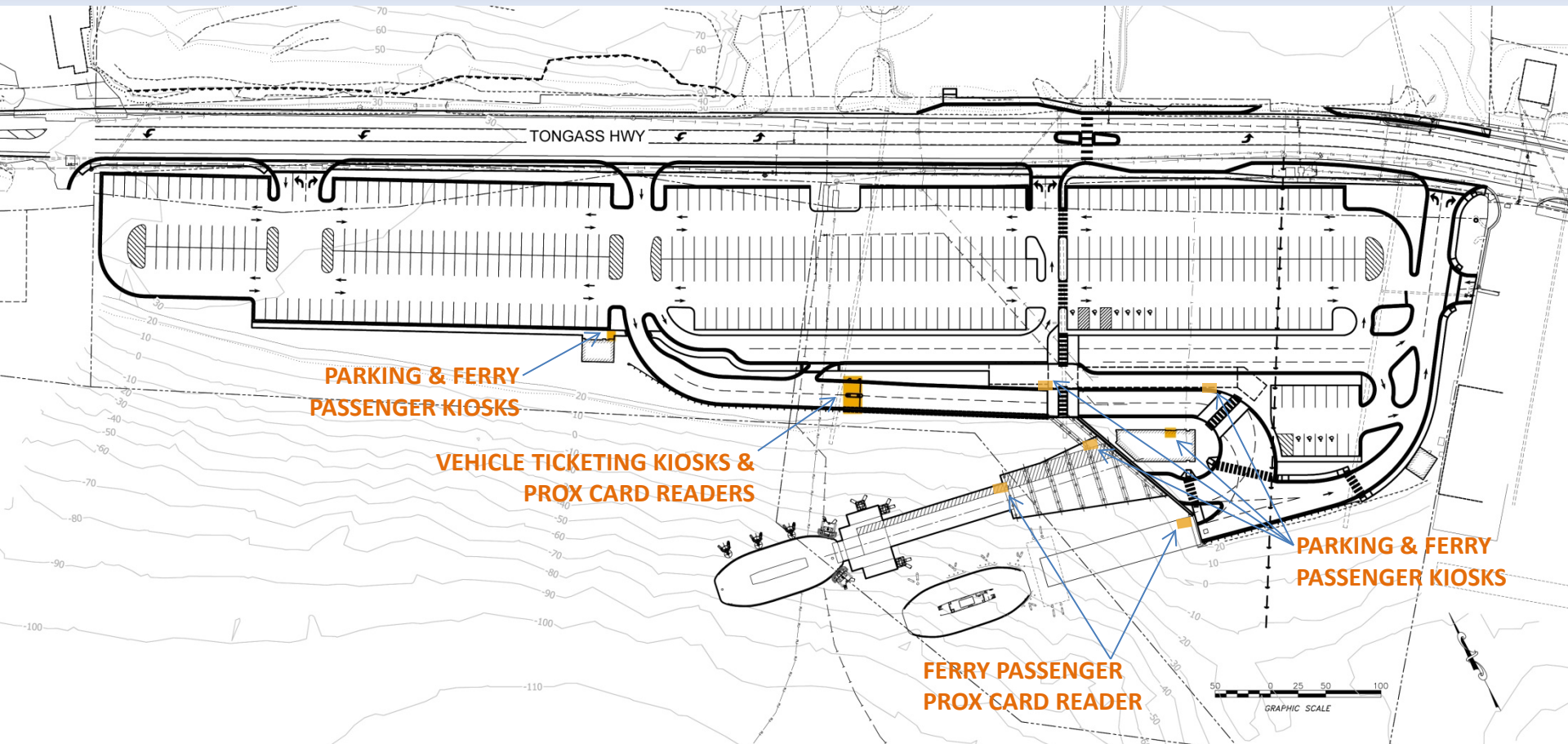


Automated Ticketing

1. No ticket needed to travel from Gravina to Revilla.
2. Ticket fee from Revilla to Gravina will cover cost of round trip.
3. Passenger Ferry Tickets may be purchased at credit card kiosks in parking lot.
4. Also at credit card/cash kiosks inside Passenger Waiting Building.
5. Passenger & Vehicle Ferry Tickets may be purchased at credit card kiosks in the ferry vehicle cueing line.
6. Monthly passes for frequent passengers will still be available.
7. Proximity Cards will be issued for companies/individuals who wish to establish pre-paid accounts.
8. The proximity cards will allow quick access into the vehicle cueing lanes via a reader co-located with the ticketing kiosks at the entrance into the lanes. Self reporting will be used to track the number of passengers in the vehicles.
9. Passengers with proximity cards will swipe them on a reader at the top of the bridge.
10. Passengers/vehicles will be randomly checked on the ferry.



Automated Ticketing Concept





Kiosk Systems



Ventek kiosk system (Do not duplicate images)



Baggage Cart System





Baggage Cart Circulation

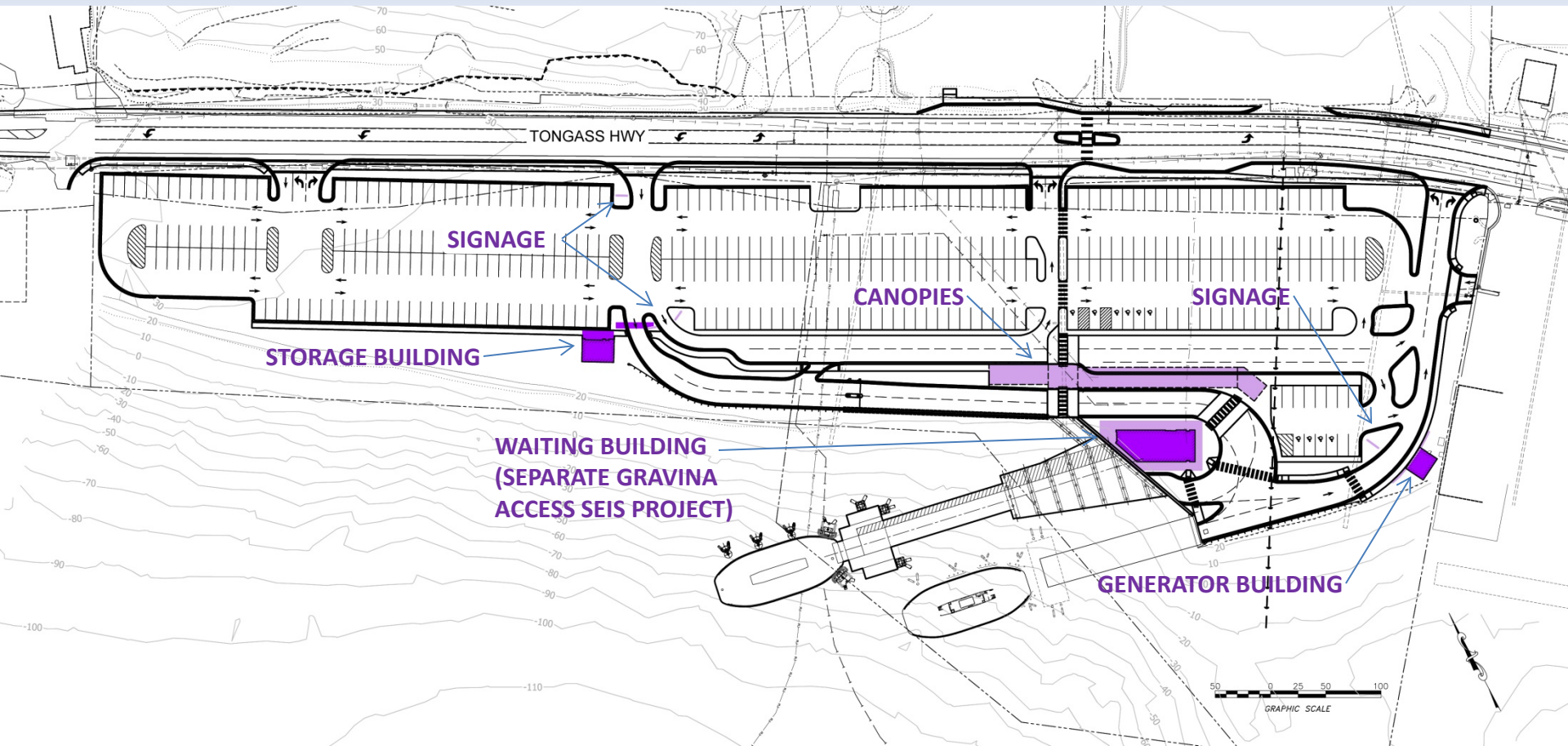


Support Structures

1. **Waiting Building (Separate Gravina Access SEIS Project)** – Provides interior conditioned waiting space and restrooms. Ticket kiosk located in entry vestibule. Provides luggage staging and support vehicle lane
2. **Storage Building** – Houses Bobcat snowplow and one tug vehicle. Other site maintenance items located in building. One ticket kiosk with wayfinding sign located on exterior of building.
3. **Generator Building** – Houses emergency back up generator



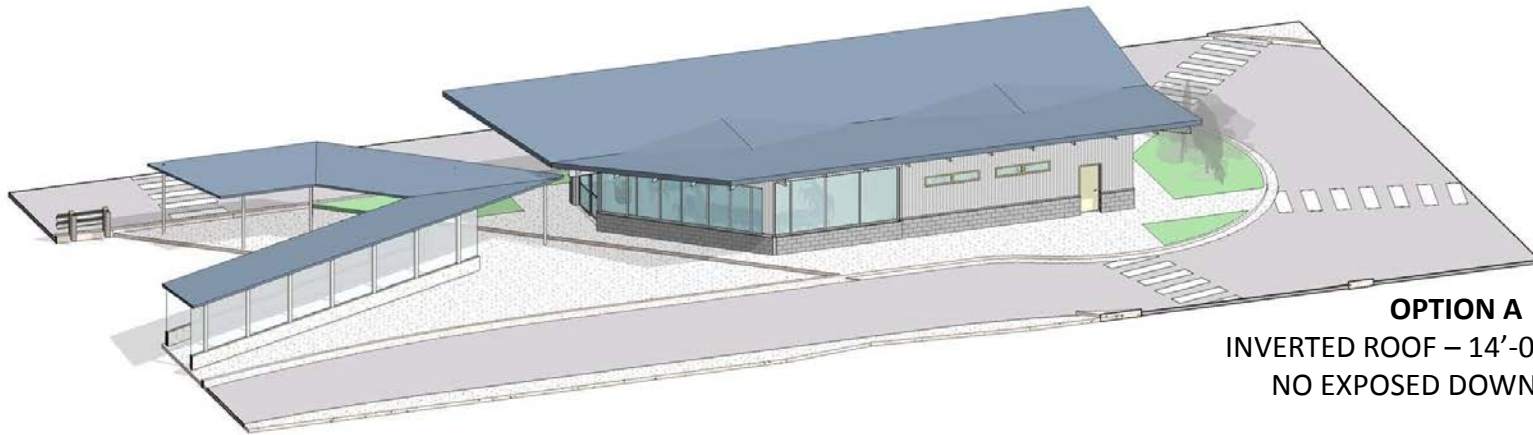
Buildings & Site Elements



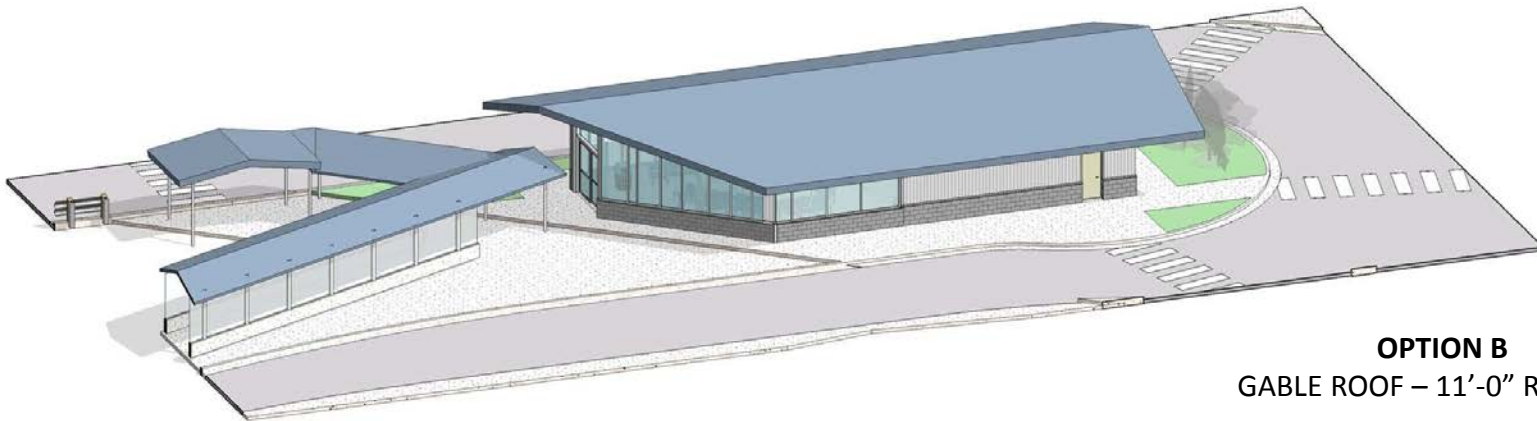


Waiting Building Roof Options

(Separate Gravina Access SEIS Project)



OPTION A
INVERTED ROOF – 14'-0" ROOFLINE
NO EXPOSED DOWNSPOUTS



OPTION B
GABLE ROOF – 11'-0" ROOFLINE

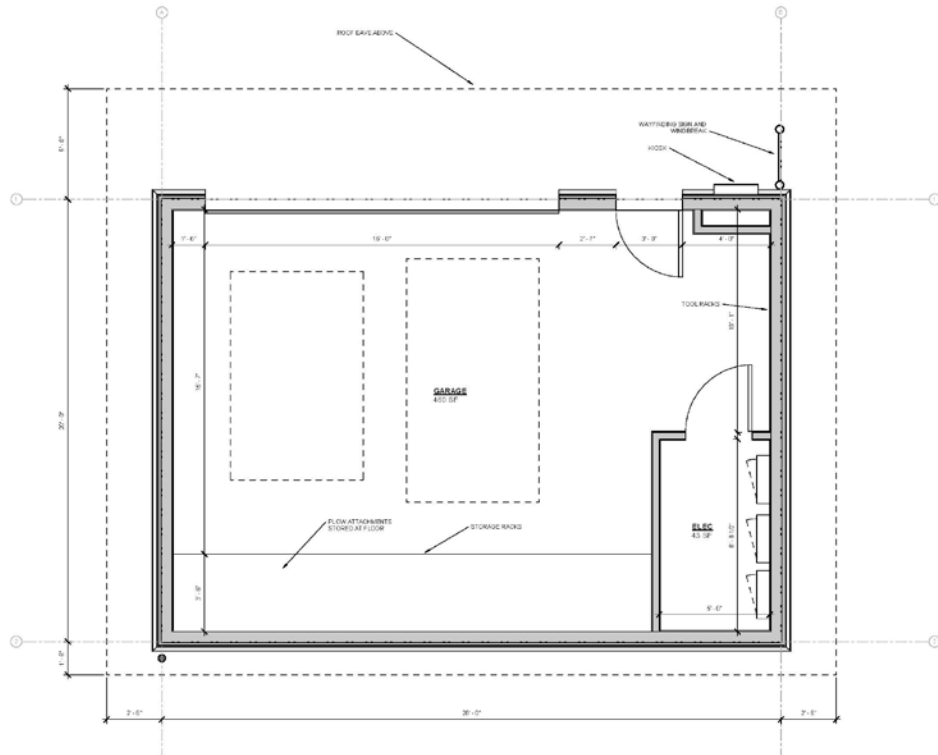


Inverted roof at 14' to prevent truck vehicle-structure collisions.

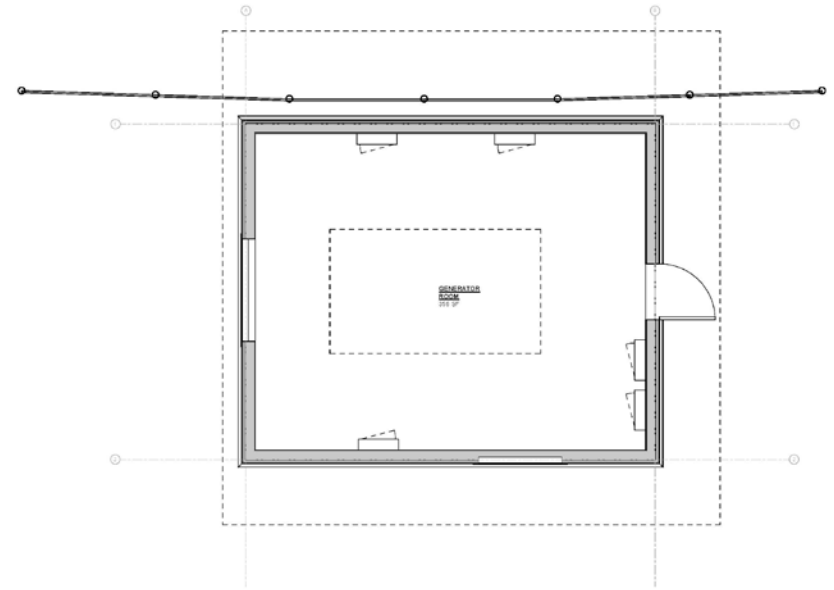


SUPPORT BUILDINGS

(Non-SEIS Project)



STORAGE BUILDING



GENERATOR BUILDING



Option A Renderings

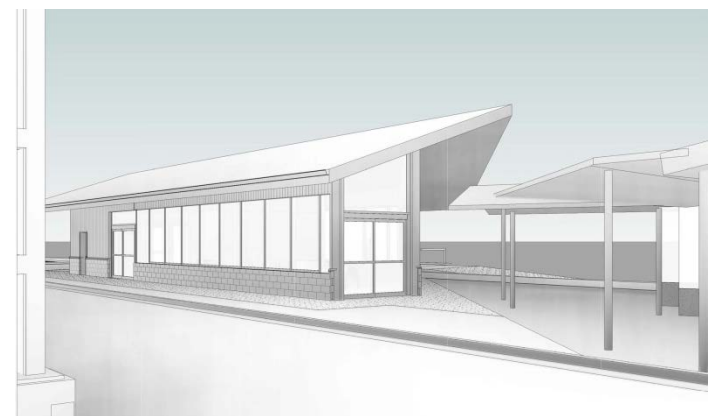
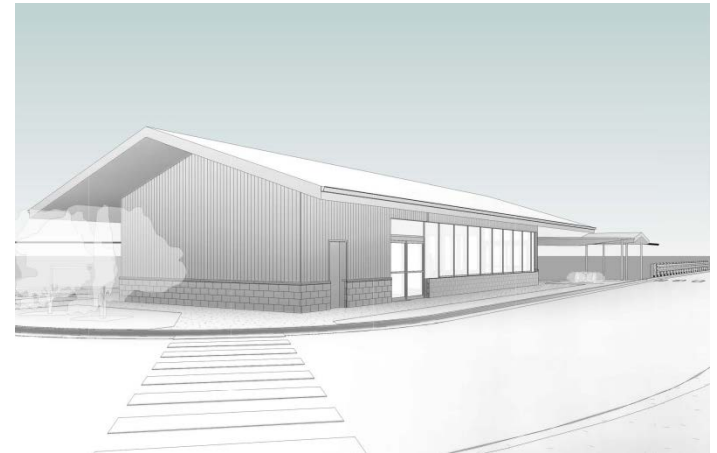
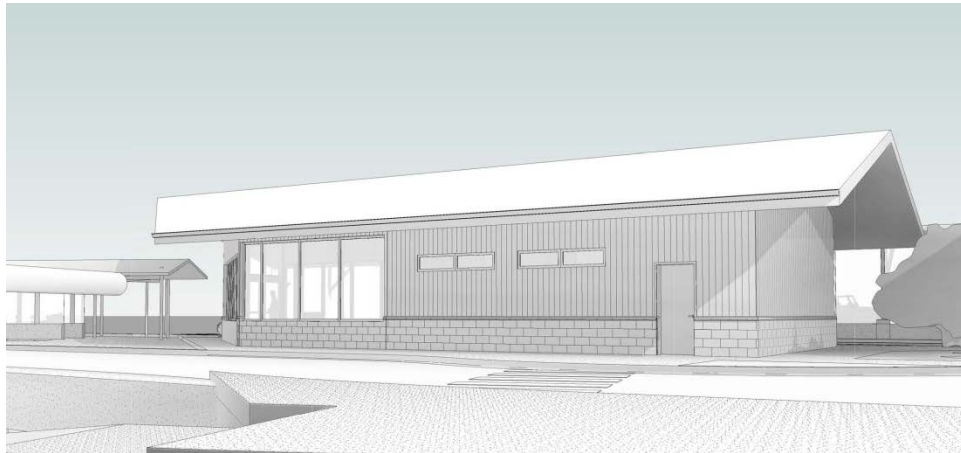
(Separate Gravina Access SEIS Project)



WAITING BUILDING RENDERINGS – INVERTED ROOF OPTION



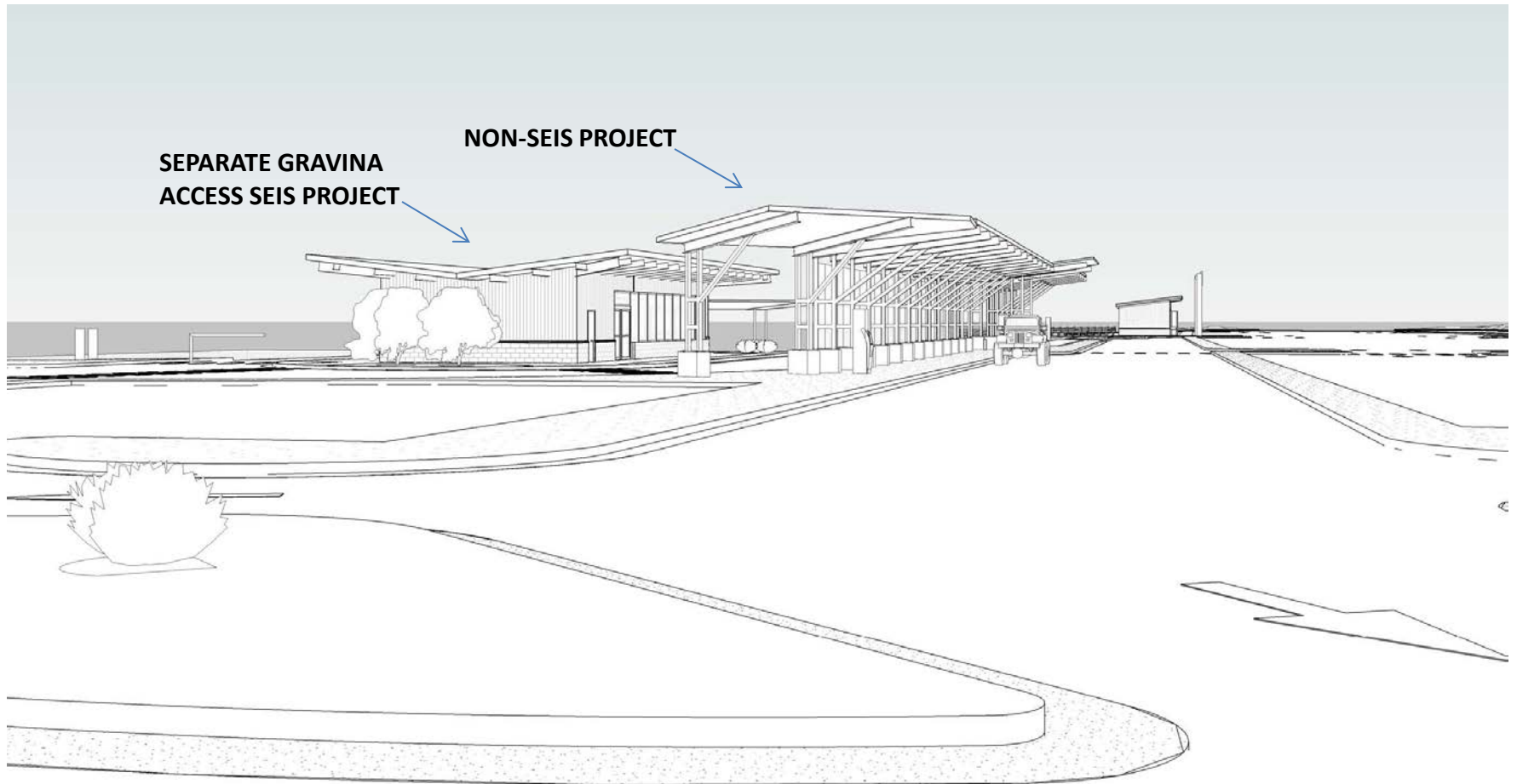
Option B Renderings (Separate Gravina Access SEIS Project)



WAITING BUILDING RENDERINGS – GABLE ROOF OPTION



View From Exit Lanes (Opt A)





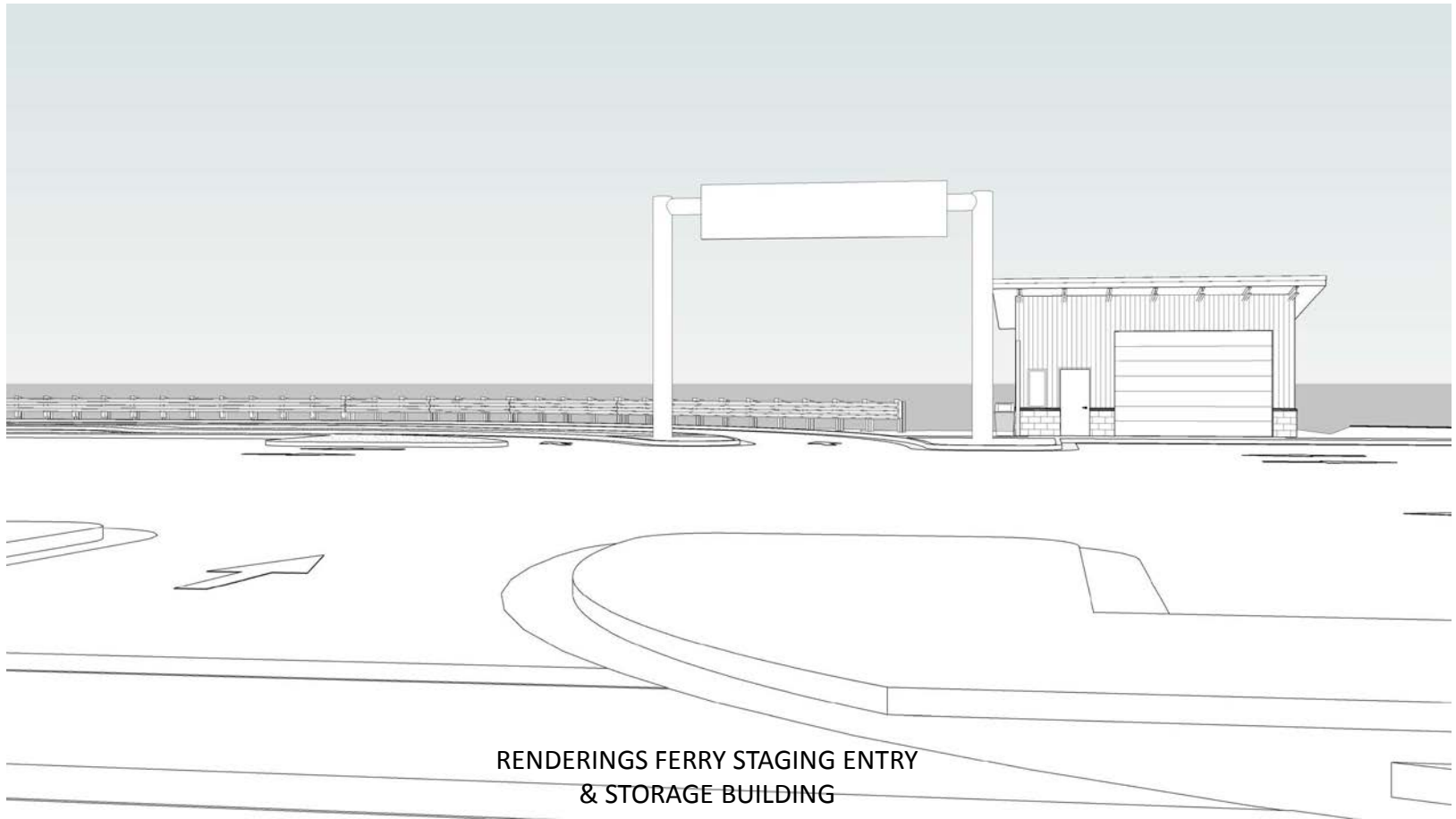
Canopy Renderings (Opt A)

(Separate Gravina Access SEIS Project)

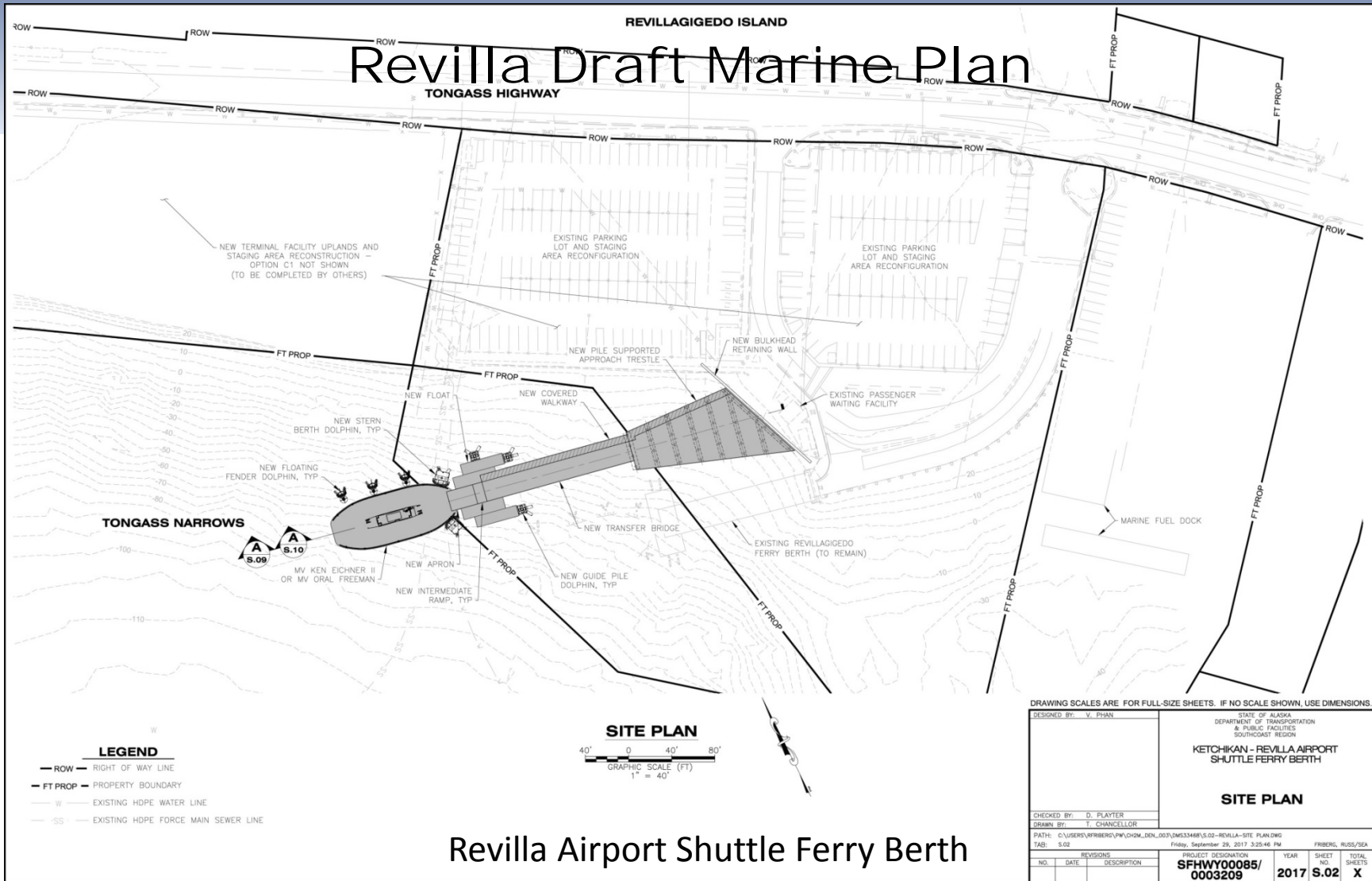




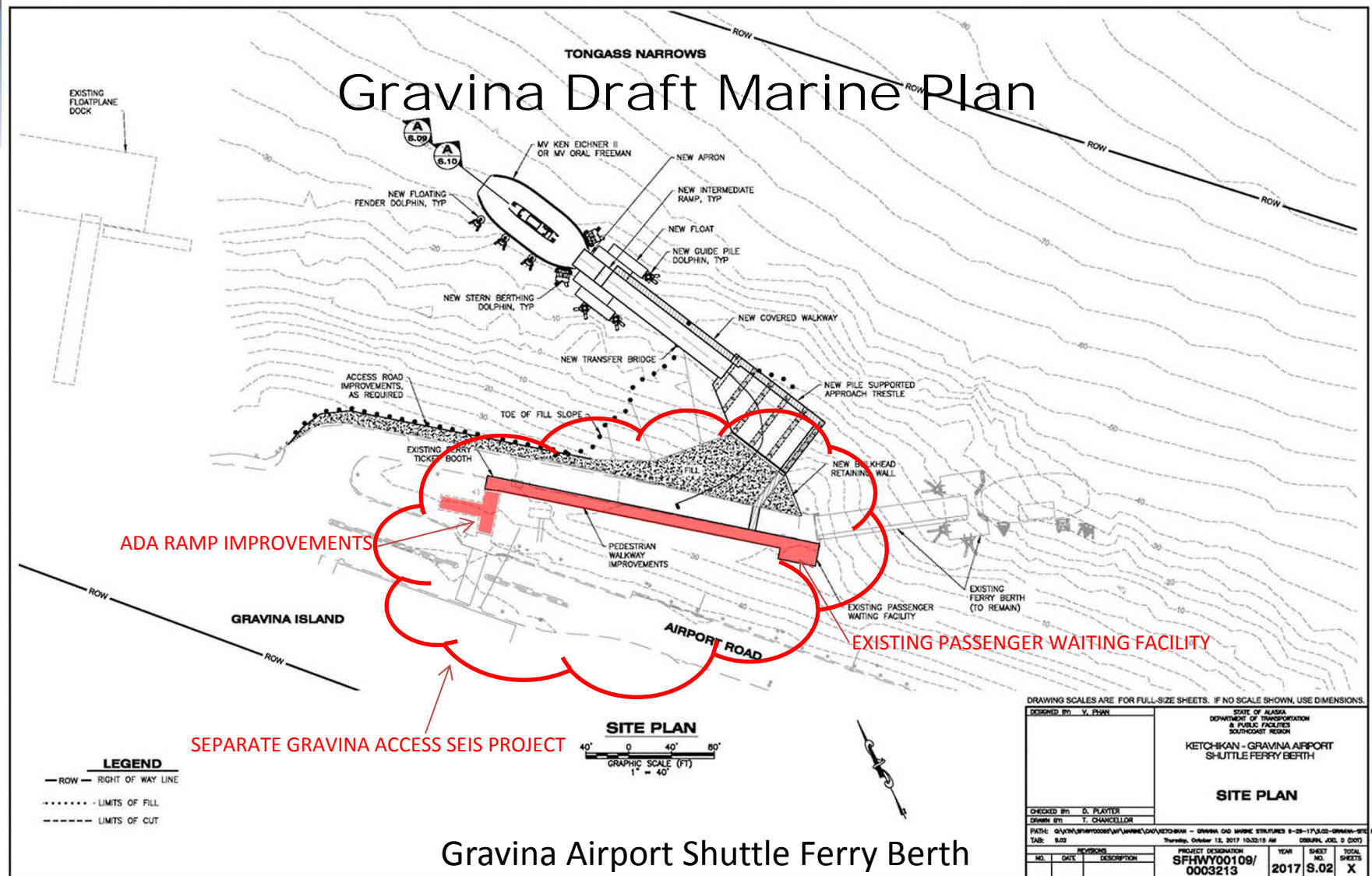
Staging Lanes & Storage Building



RENDERINGS FERRY STAGING ENTRY
& STORAGE BUILDING

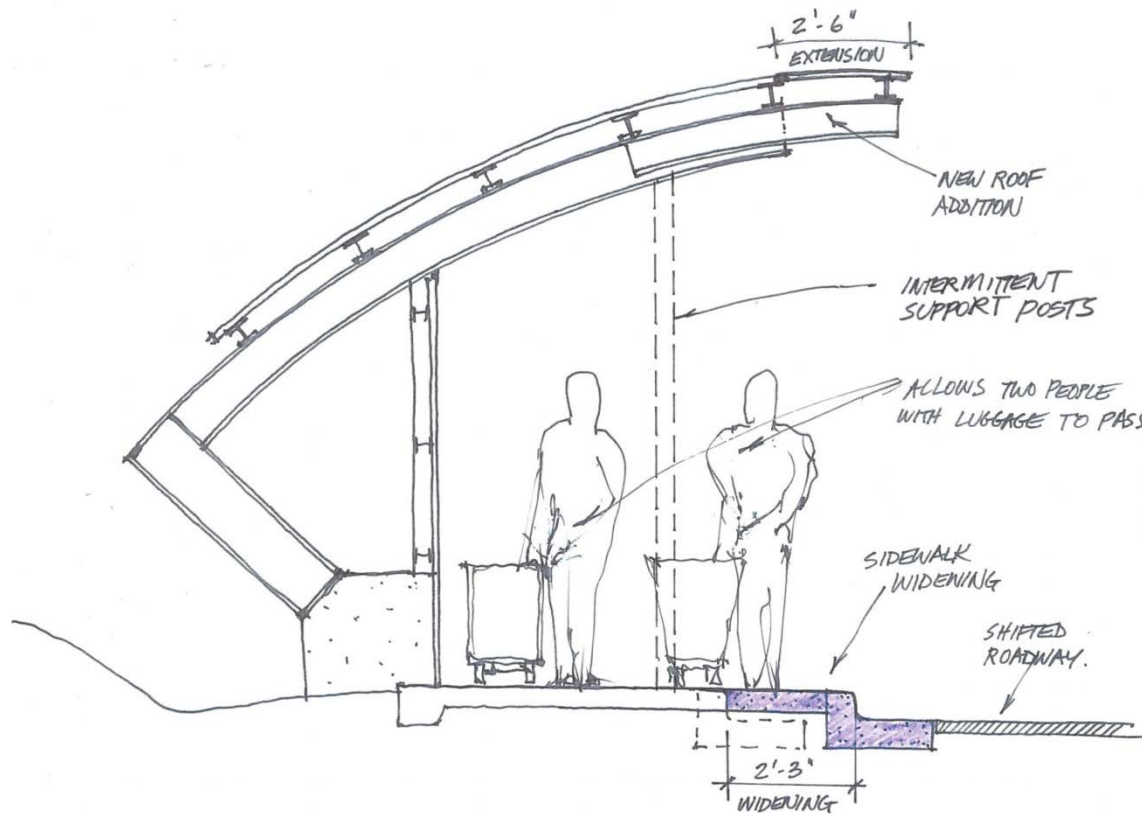


Revilla Airport Shuttle Ferry Berth





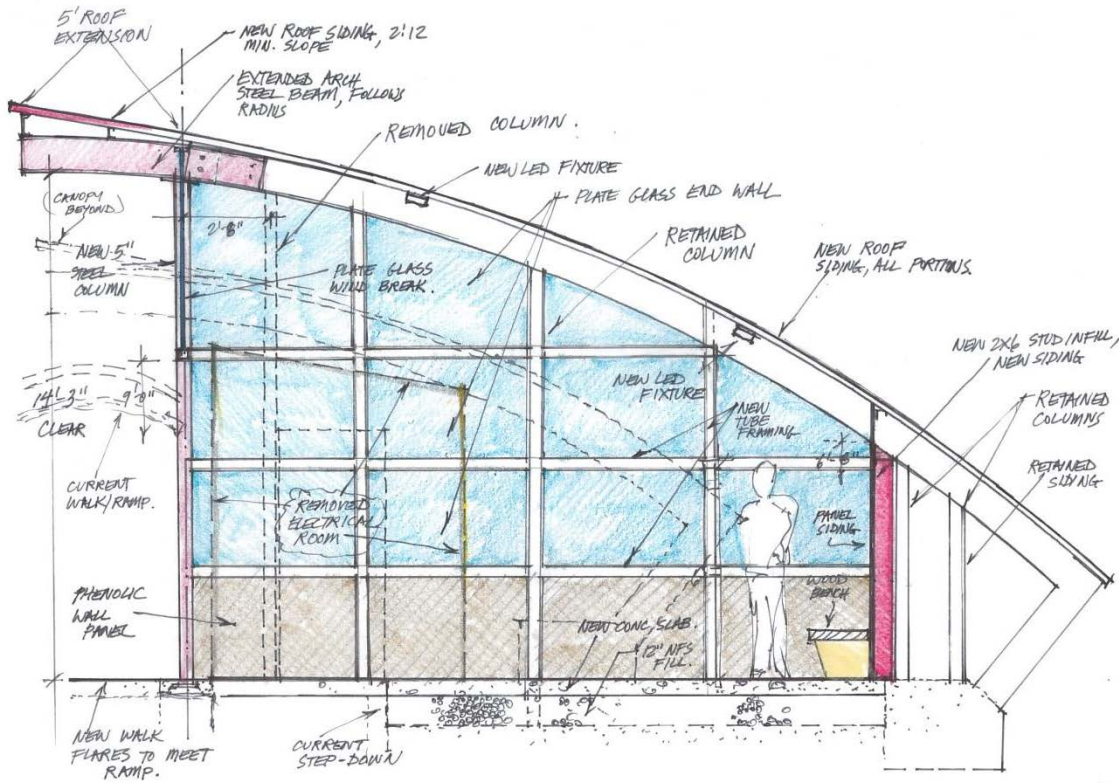
Gravina Walkway Improvements (Separate Gravina Access SEIS Project)



GRAVINA COVERED WALK WIDENING



Gravina Walkway Improvements (Separate Gravina Access SEIS Project)



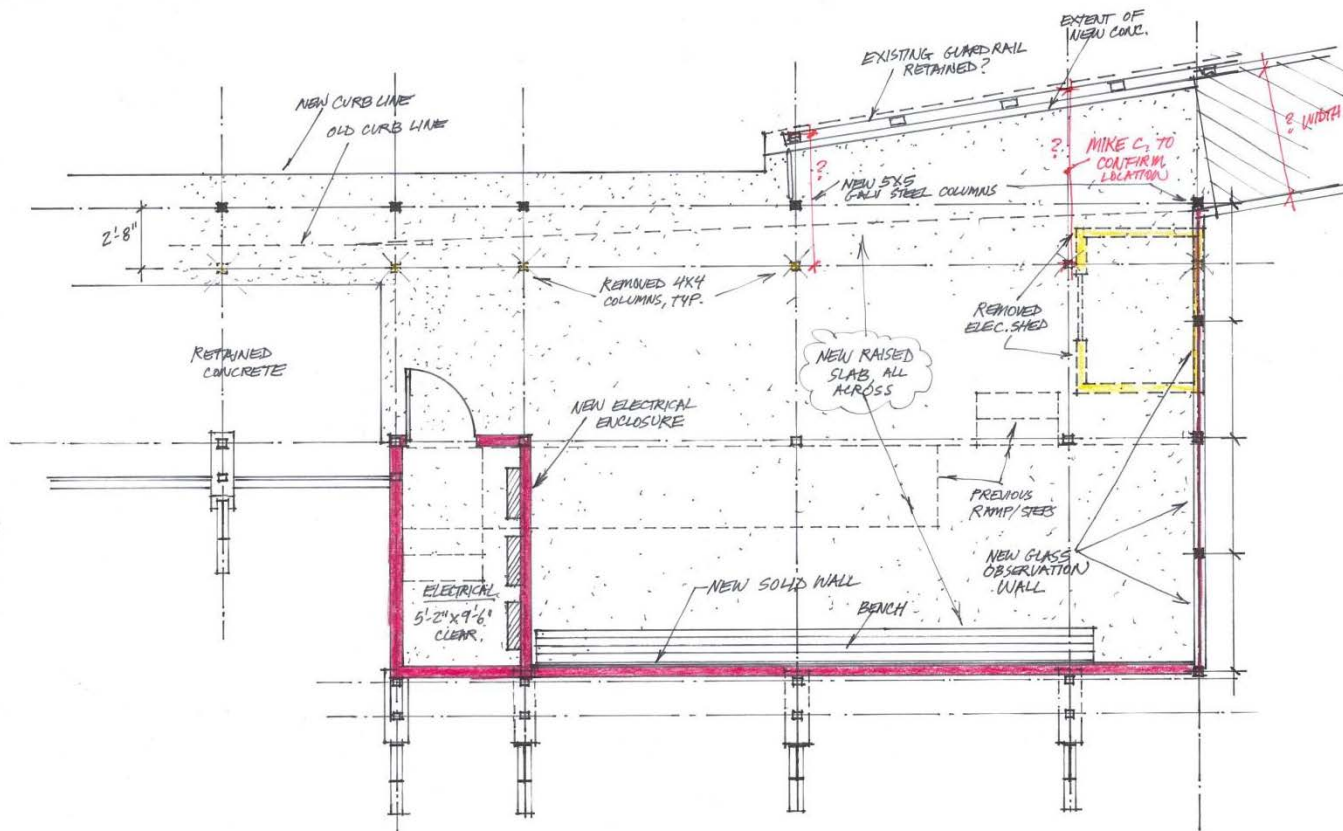
CROSS SECTION - GRAVINA WAITING AREA

3/8" = 1'-0"

PV 2-16-18



Gravina Walkway Improvements (Separate Gravina Access SEIS Project)



REVISIONS TO GRAVINA WAITING AREA

1/4" = 1'-0"

PV 2-16-18



Project Website

All Southcoast Projects:

<http://dot.alaska.gov/sereg/projects/index.shtml>

Revilla Uplands Project:

http://dot.alaska.gov/sereg/projects/ktn_revilla_upland_berth/index.shtml

Separate Gravina Access SEIS Project:

http://dot.alaska.gov/sereg/projects/gravina_access/index.shtml