



# DOCKS AND HARBORS OPERATIONS MEETING AGENDA

December 11, 2024 at 5:00 PM

Port Director's Conference Room/Zoom Webinar

<https://juneau.zoom.us/j/88039698018> or (253)215-8782 Webinar ID: 880 3969 8018 Passcode: 723802

- A. CALL TO ORDER: (5:00pm in Port Director's Conference Room and via Zoom)**
- B. ROLL CALL: (James Becker, Don Etheridge, Tyler Emerson, Clayton Hamilton, Debbie Hart, Matthew Leither, Nick Orr, Annette Smith, and Shem Sooter).**
- C. PORT DIRECTOR REQUESTS FOR AGENDA CHANGES**  
MOTION: TO APPROVE THE AGENDA AS PRESENTED OR AMENDED.
- D. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS** (not to exceed five minutes per person, or twenty minutes total time)
- E. APPROVAL OF MINUTES**
  - 1. November 13th, 2024 Minutes
- F. UNFINISHED BUSINESS**
  - 2. FY26 Capital Improvement Projects (CIP) List  
Presentation by Port Director  
  
Committee Questions  
  
Public Comment  
  
Committee Discussion/Action  
  
MOTION: TO APPROVE THE CAPITAL IMPROVEMENT PROJECTS LIST AS PRESENTED.
- G. NEW BUSINESS**
  - 3. FY26 Marine Passenger Fee (MPF) Request List  
Presentation by Port Director  
  
Committee Questions  
  
Public Comment  
  
Committee Discussion/Action  
  
MOTION: TO APPROVE THE FY26 MARINE PASSENGER FEE REQUEST LIST AS PRESENTED.
- H. ITEMS FOR INFORMATION/DISCUSSION**
  - 4. Maritime Administration (MARAD) - PIDP Grant for Aurora Drive Down Float  
Presentation by Port Director  
  
Committee Discussion/Public Comment
  - 5. Additional Charges for Cruise Ships without Electronic ID Verification  
Presentation by Port Director  
  
Committee Discussion/Public Comment

6. Statter Harbor Phase IIID - 65% Review  
Presentation by Port Engineer  
Committee Discussion/Public Comment

7. Historical Review of Douglas Harbor Projects  
Presentation by Port Engineer  
Committee Discussion/Public Comment

**I. STAFF, COMMITTEE AND MEMBER REPORTS**

**J. COMMITTEE ADMINISTRATIVE MATTERS**

Next Operations/Planning Committee Meeting - Wednesday, January 22nd, 2025

**K. ADJOURNMENT**

ADA accommodations available upon request: Please contact the Clerk's office 36 hours prior to any meeting so arrangements can be made for closed captioning or sign language interpreter services depending on the meeting format. The Clerk's office telephone number is 586-5278, TDD 586-5351, e-mail: [city.clerk@juneau.gov](mailto:city.clerk@juneau.gov).



# DOCKS AND HARBORS OPERATIONS MEETING MINUTES

November 13, 2024, at 8:01 PM

Port Director's Conference Room/Zoom Webinar

<https://juneau.zoom.us/j/81569794359> or (253)215-8782 Webinar ID: 815 6979 4359 Passcode: 612073

**A. CALL TO ORDER** By Mr. Sooter immediately following Special Board Retreat Meeting in Port Director's Conference Room and via Zoom.

**B. ROLL CALL:** James Becker, Tyler Emerson, Clayton Hamilton, Debbie Hart, Matthew Leither, Nick Orr, Annette Smith, Shem Sooter, and Don Etheridge

**Absent:** Clayton Hamilton.

**Also in attendance:** Carl Uchtyl – Port Director, Matthew Sill – Port Engineer, Matthew Creswell – Harbormaster, and Melody Musick—Administrative Officer.

**C. PORT DIRECTOR REQUESTS FOR AGENDA CHANGES-** none.

MOTION BY MS. HART TO APPROVE THE AGENDA AS PRESENTED OR AMENDED.

Motion passed unanimously.

**D. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS-** none.

**E. APPROVAL OF MINUTES**

1. October 23rd, 2024, Meeting Minutes

Minutes approved unanimously.

**F. UNFINISHED BUSINESS**

2. Board Strategic Retreat - Action Items

Presentation by Port Director: Mr. Uchtyl said that the Board can make a motion on the legislative priority list deliberated at the Board retreat.

Committee Questions- none.

Public Comment- none.

Committee Discussion/Action

**MOTION BY MR. ETHERIDGE TO BRING THE LEGISLATIVE PRIORITY LIST BEFORE THE FULL BOARD AT THE NEXT BOARD MEETING.**

Motion passed unanimously.

**G. ITEMS FOR INFORMATION/DISCUSSION**

3. Taku Harbor Repairs - 65% Drawing Review

Presentation by Port Engineer: Mr. Sill said that PND Engineers submitted the 65% design for the project and submitted the permit application for the project. They are using a new permitting process that should be faster than previous permits. Mr. Sill referenced the side view of the design drawing. The project consists of two aluminum catwalks and aluminum gangway. The piling located in the middle of the float will be removed. There is a segment of the float that attaches to the abutment that is relatively new will be removed and repurposed for a future project.

Committee Discussion/Public Comment

Mr. Etheridge asked how big is the float that will be removed and repurposed?

Mr. Sill said that is approximately 8ft by 35ft. It is a standard model boarding float that is similar the floats that are located at the launch ramp facilities. Mr. Sill referenced sheet 12 that contains an image of the boarding float. There are tires located on the bottom of the floats to prevent damage at low tides.

Mr. Orr asked if this project will be completed this spring.

Mr. Sill confirmed that the project will be completed this spring.

Mr. Etheridge said that he would recommend that the float be utilized at Echo Cove.

Mr. Uchytel said that the old fuel float at Aurora Harbor will also be available to be repurposed after the completion of the Aurora Harbor Drive Down Float.

4. Annual Report to the Assembly

Presentation by Port Director: Mr. Uchytel said that at the end of the packet there is last year's annual report to the Assembly. Mr. Uchytel said that he will present a draft report for this year at the next Board meeting. The report contains updated activities and financial information for the department.

Committee Discussion/Public Comment- none.

**H. STAFF, COMMITTEE AND MEMBER REPORTS**

**Mr. Etheridge reported:** Mr. Etheridge said that he attended the Marine Corps birthday party hosted by Navy League and organized by Mr. Uchytel. It was a successful and highly attended event.

**Ms. Smith reported:** Ms. Smith reported that she is missing the South Douglas West Juneau Committee meeting due to a timing conflict with the Board retreat.

**I. COMMITTEE ADMINISTRATIVE MATTERS**

Next Operations/Planning Committee Meeting - Wednesday, December 11th, 2024

**J. ADJOURNMENT at 8:17pm.**

ADA accommodations available upon request: Please contact the Clerk's office 36 hours prior to any meeting so arrangements can be made for closed captioning or sign language interpreter services depending on the meeting format. The Clerk's office telephone number is 586-5278, TDD 586-5351, e-mail: city.clerk@juneau.gov.



<b>Estimated CIP Schedule</b>	
December 16, 2024	CIP Project Nomination Submissions Due to Engineering
January 2025	Present FY26 Resolution to Assembly PWFC as Informational item at last PWFC of the month
February 2025	Planning Commission reviews the CIP
March 2025	PWFC review and discussion, forward to the Assembly Finance Committee / Assembly for review / action
April 2025	Finance Committee, SRRC and Assembly act on CIP as part of budget process
June 15, 2025	Assembly must Adopt the CIP
July 1, 2025	FY26 Budget is effective

**INSTRUCTIONS - Call Breckan for Questions on this Excel Document 907-586-0800 ext.**

**Step 1 - Start on Tab #1**

Please complete Tab #1 before starting Tab #2. For reference, use last year's submission and the CIP Book to update the existing schedule. However, ensure you use the current document as there have been updates.

**Step 2 - Go to Tab #2**

Copy FY26 projects from Tab #1 to Tab #2.

**Priority, Project Name, & Project Cost:** These cells should match Tab #1's designation.

**Project Description:** Provide a 2 to 3-sentence project description with each of the nominated FY26 projects.

**Funding Source:** Leave as unknown unless specifically allocated by Voter-Approved Special 1%, department specific revenue funds (Enterprise Departments) or Unscheduled. Specifically, identify FY26 grant projects you have applied for or intend to apply for in FY26. These are important to include in your department priority list

**Sustainability Element of Project:** Please identify if and how each nominated project includes a green/sustainable element. One of the Assembly goals and focuses is to provide a Sustainability Community.

5. Sustainable Community - Juneau will maintain a resilient social, economic, and environmental habitat for existing population and future generations.				
AA*		Implementing Actions	Responsibility	Notes:
A	P/O	Implement a zero waste or waste reduction plan, including development of the Zero Waste Subdivision.	Assembly, Manager's Office, EPW, Finance	
B	P/O	Identify and prioritize the most cost-effective energy efficiency and electrification upgrades in CBJ facilities.	Assembly, Manager's Office, all departments	
C	P/O/ F	Implement projects and strategies that advance the goal of reliance on 80% of renewable energy sources by 2045	Assembly, Manager's Office, all departments	
D	P/F	Develop mitigation and resilience strategies aimed at reducing community risk and helping Juneau adapt to climate-related hazards that have been identified in the 7/22 ACRC Report	Assembly, Manager's Office, EPW	
E	P/O/ F	Develop strategy to reduce abandoned/junked vehicles	Assembly, Manager's Office, EPW, Law, P&R, D&H	

\*Assembly Action to Move Forward: P = Policy Development, F = Funding, S = Support, O = Operational Issue

Image - Assembly Goals 2024 - Section 5. Sustainable Community

**Project Area:** Select from the drop-down Downtown, Lemon Creek, Valley, Douglas, North Douglas, Out the road, or Areawide (Information used by the Systemic Racism Review Committee)

**Contacts for Project Scoping & Cost Estimating**

Jeanne Rynne, City Architect (ext. 4186)  
John Bohan, Chief CIP Engineer (ext. 4188)

**Submit to:**

Breckan Hendricks, EPW Admin Officer @ Breckan.Hendricks@Juneau.gov  
OR

Save on the Shared F Drive (shared (\\cbjfiels.cbj.local) (F:) Engineering > CIP Department Submissions

**DEPARTMENT CAPITAL IMPROVEMENT PLAN 6 YEAR PRIORITIES**

Department: Docks & Harbors

Date: 12/5/2024

Compiled by: Carl Uchytel

Phone number: 586-0294

Note: Round the estimated project cost to the nearest thousand

Priority	Project	FY26	FY27	FY28	FY29	FY30	Future
<i>EXAMPLE #1</i>	<i>Aurora Harbor Rebuild Phase III</i>	<i>\$1,500,000</i>					
1	Aurora Harbor Drive Down Float (local match \$2.8M)	\$13,000,000					
2	Statter Breakwater - Cost Share w/USACE	\$600,000	\$900,000				
3	Statter Harbor Office - New Roof	\$250,000					
4	Statter Harbor - Zinc Anodes	\$500,000					
5	Secure Storage - Little Rock Dump	\$300,000					
6	Echo Cover -Launch Ramp Float	\$200,000					
7	<b>Shore Power - 16B</b>	\$30,000,000		\$31,000,000			
8	<b>Downtown Piling Inspection</b>	\$300,000					
9	<b>Downtown Seawalk Cameras</b>	\$1,000,000					
10	<b>Statter Harbor Phase IIID - curb, gutter &amp; paving</b>	\$3,500,000					
11	UAS Property Purchase		\$8,000,000				
12	Aurora Harbor Office - Replacement		\$3,500,000				
13	Douglas Harbor Launch Ramp Extension/Lighting		\$200,000				
14	Douglas Harbor Showers/Bathrooms		\$250,000				
15	Aurora Harbor Showers/Bathrooms		\$250,000				
16	<b>Emergency Vessel Loading Float</b>		\$1,000,000				
17	Statter Breakwater Construction - Local match w/USACE			\$20,000,000			
18	Douglas Harbor Uplands			\$6,000,000			
19	<b>Zinc Anode Replacement - 16B</b>			\$3,000,000			
20	Harbor-wide Security Gates			\$500,000			
21	Statter Harbor Garage/Storage				\$1,500,000		
22	Aurora Harbor Dredging - Tug Slip				\$500,000		
23	Marine Services Facilities				\$30,000,000		
24	<b>Deck Over People's Wharf/USS JUNEAU</b>				\$7,000,000		
25	<b>Lone Sailor Memorial</b>				\$200,000		
26	Direct Fish Sales Facility - Harris Harbor					\$300,000	
27	Seawalk Harris & Aurora Harbors					\$10,000,000	
28	<b>Small Cruise Ship Infrastructure</b>					\$15,000,000	
29	<b>Purchase Archipelago Property</b>					\$11,000,000	

30	Auke Baywalk - Statter Harbor to Auke Bay Marine Station						\$12,000,000
31	<b>Downtown Safety Railing</b>						\$2,000,000
32	Amalga Harbor Improvements						\$1,000,000
33							
34	<b>Bold indicates Docks Enterprise projects</b>						
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Totals:		\$49,650,000	\$14,100,000	\$60,500,000	\$39,200,000	\$36,300,000	\$15,000,000

**FY 26 CAPITAL IMPROVEMENT PLAN DEPARTMENT PRIORITY PROJECT LIST**

FY26 Priorities on this tab should match the FY26 Column on 6-year Priority Projects tab.

Department: Docks & Harbors Date: 12/5/2024  
 Compiled by: Carl Uchytel Phone: 586-0294

Note: Unscheduled/unfunded large projects should be included on this page.

TOTAL FY26 Request from **FY26 CIP Dept Priority Projects Tab** \$ **49,650,000**  
 TOTAL FY26 Request from **6-Yr Priority Projects Tab** \$ 49,650,000

PRIORITY	PROJECT NAME (this should match your project name on Tab #1)	PROJECT COST (Round to nearest thousand)	PROJECT DESCRIPTION	Funding Source (Leave as unknown unless specifically allocated by Voter Approved Special 1% or Unscheduled)	Funding Sources Notes:	Sustainability Element of Project	Project Area- DT, LC, Valley, Douglas, ND, Out the road, Areawide
<i>EXAMPLE #1</i>	<i>Aurora Harbor Rebuild Phase III</i>	<i>\$1,500,000</i>	<i>Funding to continue rehabilitation of the Aurora Harbor - these funds will be used to match ADOT harbor funds to replace the floats at the west end of Aurora Harbor.</i>	<i>Unscheduled</i>		<i>Project calls for replacing existing infrastructure.</i>	<i>Downtown</i>
1	Aurora Harbor Drive Down Float (local match \$2.8M)	\$13,000,000	Funding to construct a new downtown drive down float and vehicle bridge, as well as incorporate two new 5-ton electric cranes to serve the commercial fishing fleet and improve freight transportation.	Enterprise Funds	Docks & Harbors received a \$11.2M MARAD PIPD grant. Local match from Enterprise.		Downtown
2	Statter Breakwater - Cost Share w/USACE	\$600,000	Feasibility Cost Analysis Study is currently underway by the US Army Corps of Engineers to recapitalize the aging, existing breakwater. Local sponsor (CBI) is required to pay 50% over 3 years of the study. FY26 is year two.	Enterprise Funds	Sen Murkowski has listed USACE funding in her FY26 CDS.	Project calls for replacing existing infrastructure.	Out the Road
3	Statter Harbor Office - New Roof	\$250,000	20 year old roof is failing with water entering into office spaces.	Enterprise Funds		Maintenance project to extend life of structure	Out the Road
4	Statter Harbor - Zinc Anodes	\$500,000	Statter Harbor Phase I and Phase IIIB were constructed without zinc anode due to funding limitations. Project will extend the useful life of the installed piling.	Other (add notes)	Requesting matching funding from ADOT Harbor Facility Grant program.	Maintenance project to extend life of structure	Downtown
5	Secure Storage - Little Rock Dump	\$300,000	Project would construct secure (fence, lighting, camera) for commercial fishermen/commercial maritime users to store equipment on CBJ property not fully utilized.	Enterprise Funds			Areawide
6	Echo Cover -Launch Ramp Float	\$200,000	Existing facility does not have float. This improvement would benefit sport fishermen, hunters and Goldbelt's ferry to Kensington Mine which uses the facility during adverse weather conditions in the winter.	Other (add notes)	Potential Robertson-Pittman Hunter Access grant		Out the Road
7	<b>Shore Power - 16B</b>	\$30,000,000	Project to electrify one of the CBJ owned berths.	Other (add notes)	MPF, SMPF or revenue bonds.	Project would reduce greenhouse gases	Downtown
8	<b>Downtown Piling Inspection</b>	\$300,000	Project would inspect all the downtown CBJ-owned piling to determine useful life remaining.	Other (add notes)	MPF or Docks Enterprise funding.	Project calls for replacing existing infrastructure.	Downtown
9	<b>Downtown Seawalk Cameras</b>	\$1,000,000	Recapitalize existing Seawalk security cameras.	Other (add notes)	MPF or FEMA Port Security Grant funding		Downtown
10	<b>Statter Harbor Phase IIID - curb, gutter &amp; paving</b>	\$3,500,000	Project would complete the Statter Phase III phase by providing curb, gutter, paving and seawalk improvement to bus parking lot.	Enterprise Funds	Docks Enterprise funding		Downtown

**BOLD indicates Docks Enterprise funded**

Total \$49,650,000



# Port of Juneau

155 Heritage Way • Juneau, AK 99801  
(907) 586-0292 Phone • (907) 586-0295 Fax

**From:** *Carl Uchytel*  
Carl Uchytel, P.E.  
Port Director

**To:** Alexandra Pierce  
Tourism Manager

**Via:** (1) Docks & Harbors Operations-Planning  
(2) Docks & Harbors Board

**Date:** December 9<sup>th</sup>, 2024

**Re:** FY 2026 Marine Passenger Fee (MPF) Request

1. Attached for your consideration is a list of FY26 Marine Passenger Fee requests from Docks & Harbors. This list was discussed by the Docks & Harbors Operations-Planning Committee at its December 12<sup>th</sup> meeting and approved at its December 20<sup>th</sup>, 2024 regular board meeting.
2. Docks & Harbors is very appreciative of the financial support received through this process. Please know that the MPF generously provided to the Docks Enterprise provides approximately one-third of all revenue collected. MPF remains an important revenue source to the financial health of this Enterprise.
3. Please contact me should you have questions at 586-0282.

#

Encl: (1) FY26 Docks & Harbors Marine Passenger Fee Request

Copy: City Manager  
Parks & Recreation  
Finance Department

**CBJ Docks and Harbors Board  
FY2026 Marine Passenger Fee Request**

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**Downtown Security Cameras**

**Descriptions:** Docks & Harbors has identified a need to recapitalize its existing security cameras along the downtown waterfront. The existing camera system was installed in 2015 and technological advances have rendered these cameras obsolete.

**Marine Passenger Fee Funds Requested (FY26):** \$1M

**Benefits:** Parks & Recreation – Building Maintenance has converted to a city-wide, standardized camera system from the same manufacturer. Reports have been favorable with this company, citing reparability and data recovery being enhanced.

**Maintenance and Operation Responsibility:** Docks & Harbors is responsible for all ongoing maintenance and operating expenses and will use Enterprise funds for these expenses.

Project Contact: Matthew Sill, Port Engineer, or Carl Uchtyl, CBJ Port Director 586-0292.



## CBJ Docks and Harbors Board FY2026 Marine Passenger Fee Request

### Area Wide Port Operations

**Descriptions:** CBJ's cruise ship docks and associated infrastructure are run as an enterprise fund established by local ordinance. All expenses and revenues associated with operating and maintaining CBJ's cruise ship docks and associated infrastructure are accounted within this fund. The CBJ Assembly has placed these assets under the responsibility of the Docks and Harbors Board. CBJ Ordinance Title 85 requires the Board to be self-supporting, generating revenues sufficient to meet the operating costs of the Docks Enterprise. The Board has established a number of fees to generate revenues from users of the assets. The Board has calibrated these fees to assure the overall revenue generated by the enterprise equals the overall cost of running the enterprise.

Many of the uplands assets are used by entities which it is not possible, feasible, or acceptable to charge fees. As a result, users paying fees are subsidizing users that do not pay fees. The services provided to these users are area wide in nature benefiting the general public and cruise ship passengers of private docks. As part of this fee request, the Board identified services that are area wide in nature.

**Board identified the following services:**

1. Year round maintenance and monitoring of Marine Park.
2. Maintenance and operation of public parking at the Columbia Lot and seasonal public parking at the Steamship Wharf Plaza and the Visitor's Center Lot.
3. Maintenance and operation of unrestricted pedestrian access along the waterfront at the public docks.
4. Year round maintenance and monitoring of Peratrovich Plaza.
5. Costs associated with landscape maintenance services throughout the Downtown Waterfront.
6. Providing area wide port security. Of note are new Coast Guard requirements to validate credentials of passengers and crew returning to the cruise ships. New security structures have provided greater efficiencies but the resultant is greater staff responsibilities to meet the Facility Security Plan. [Note an additional \$300K MPF request for "Port of Call" access control is included in this year's request.]
7. Billing and collecting CBJ area wide fees for all docks.
8. Maintenance & repairs of Visitor's Kiosk.

The Board reviewed its FY22 budget and apportioned expenses associated with these services. Based on its review, it estimates that about 20% of the annual docks budget is attributable to area wide services.

**Marine Passenger Fee Funds Requested (FY26): \$275,000**

**Benefits:** This approach is supported by the cruise ship industry since it is more equitable than raising dockage fees, although Docks & Harbors is considering fee increases. This approach meets the intent of the marine passenger fee since the services benefit all cruise ship passengers, not just the passengers at the public docks. This approach allows the Docks and Harbors Board to direct part of the dock lease revenues to the much needed rebuild effort of the small boat harbors reducing the need for fee increases at the harbors.

**Maintenance and Operation Responsibility:** CBJ is responsible for all ongoing maintenance and operating expenses and will use local Docks enterprise funds for these expenses.

**Project Contact:** Melody Musick, Admin Officer or Carl Uchtyl, CBJ Port Director 586-0292.

**CBJ Docks and Harbors Board**  
**FY2026 Marine Passenger Fee Request**

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**Port-Customs and Visitor Center Buildings Maintenance Support**

**Project Descriptions:** The Port-Customs and Visitor Center buildings are located on the downtown Juneau waterfront, an area that serves in excess of one and a half million cruise ship passengers each year. Docks and Harbors, an enterprise operation, is responsible for costs associated with operating the Port-Customs and Visitor Center Buildings. Expenses include all utilities (water, sewage, electrical, alarm monitoring) and facility support (parking lot, plaza, snow removal, janitorial and general maintenance). The two buildings comprise approximately 4450 square feet in area. Maintenance costs are estimated at \$2.66 per square foot per month equaling \$142,000.

**Marine Passenger Fee Funds Requested (FY26):** \$142,000

**Project Review:** The Port-Customs Building was completed in May 2011 with the Visitor Center completion in June 2012. The project which included the buildings, infill dock construction, covered shelters, landscaping and plaza cost approximately \$9M and was funded with Marine Passenger Fees. The Port-Customs Building is occupied by the US Customs and Border Protection (CBP) and Docks and Harbors staff. CBP claims to be exempt from any costs associated with their operations within a port. The Visitor Center Building is occupied by the Travel Juneau, a non-profit organization for the purpose of supporting cruise passenger inquiries. The Travel Juneau budget does not support maintenance of the building. This leaves the Docks enterprise funds fully exposed to the costs of maintaining and servicing these buildings.

**Benefits:** By establishing a Port-Customs and Visitor Center Buildings maintenance fund Docks & Harbors can effectively manage and maintain the properties entrusted under their responsibilities. Passenger fees have been granted for this purpose since FY2013.

**Maintenance and Operation Responsibility:** CBJ Docks and Harbors is responsible for all ongoing maintenance and operating expenses of these two buildings and associated upland support facilities.

**Project Contact:** Matthew Sill, CBJ Port Engineer or Carl Uchytel, CBJ Port Director 586-0292.

**CBJ Docks and Harbors Board**  
**FY2026 Marine Passenger Fee Request**

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**Safety Rail along Dock Face**

**Project Descriptions:** The project would be located along the downtown Juneau waterfront, an area that services over one and a half million cruise ship passengers each year. The project consists of constructing a new guardrail along the face of the existing dock.

**Marine Passenger Fee Funds Requested (FY26):** \$1,500,000

**Project Review:** This project would construct a new pedestrian guardrail along the existing dock face from Marine Park to the South Berth approach dock. The existing dock face only features an eighteen inch bullrail at the edge. For pedestrian safety a forty two inch high guard rail would be constructed. The proposed guardrail would be designed in the same character as other guardrails along the Seawalk.

**Project Time-Line:** This project would begin as soon as funding is allocated. The first step would be to design the guardrail and prepare construction bid documents. Upon award of a contract to the lowest qualified bidder construction would begin.

**Maintenance and Operation Responsibility:** CBJ is responsible for all ongoing maintenance and operating expenses. Maintenance and operations expenses for the guardrail would be minimal.

**Project Contact:** Matthew Sill, CBJ Port Engineer or Carl Uchytel, CBJ Port Director 586-0292.

**CBJ Docks and Harbors Board  
FY2026 Marine Passenger Fee Request**

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**Dock Electrification**

**Descriptions:** Docks & Harbors has been pursuing funding for cruise ship dock electrification for many years. Efforts for RAISE, PIDP, EPA DERA and EPA Clean Ports grants have not realized success. The latter two were not approved in CY2024, which requested \$56.5M. Docks & Harbors and AELP have signed a MOA in 2024 outlining design responsibilities and funding commitments.

**Marine Passenger Fee Funds Requested (FY26):** \$30M.

In the FY24 EPA DERA grant application, the total project estimate to electrify both the AS & CT Docks is \$53M. Of which, approximately \$10M currently in a CIP. The project can be scaled to separate the construction into providing power to only one berth, as funding allows.

**Benefits:** This project seeks to reduce carbon emissions/greenhouse gases and has been a priority since the completion of the 16B project in 2017.

**Maintenance and Operation Responsibility:** Docks & Harbors has been working in concert with AELP to develop planning and design efforts to move forward in an efficient manner. Most likely, Docks & Harbors will be responsible for maintenance and operations of the constructed system via future Marine Passenger Fees.

**Project Contact:** Carl Uchytel, CBJ Port Director 586-0292.

**CBJ Docks and Harbors Board**  
**FY2026 Marine Passenger Fee Request**

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**Additional Personnel for “Port of Call” Access Control**

**Description:**

After two years of cruise ship inactivity due to the pandemic, CY23 rebounded with 1.65M arriving passengers which was a record number. The CY24 was equally busy season for the AS/CT Docks and at the PFO lightering dock. The 2020 Coast Guard requirements described below is a non-funded federal mandate that must met to remain compliant with our approved Federal Security Plan. Docks & Harbors has provided briefings to determining the financial resources necessary to meet this requirement.

On December 18<sup>th</sup>, 2020 Coast Guard Sector Juneau released a Marine Safety Information Bulletin clarifying the regulatory requirements for Maritime Transportation Security Act (MSTA) regulated facilities which receive large foreign passenger vessels (i.e. cruise ships). The Consolidated Cruise Ship Security final rule, published on March 19<sup>th</sup>, 2018 defined the differences between a “cruise ship terminal” and a “port of call”. The final rule also prompted a conversation between USCG Sector Juneau and SEAK industry stakeholders, including the Port of Juneau. Previously, SEAK industry stakeholders (including the Port of Juneau) interpreted Title 33, Code of Federal Regulations (CFR), Section 105.255(d)(4) as a list of documents which could serve as personal identification irrespective of criteria in 33 CFR 101.515. As such, facility security personnel (including the Port of Juneau) were allowing individuals with only a vessel boarding pass or room key to gain access to the secure area adjacent to the cruise vessel.

The resultant clarification in the MSIB is that, effective April 1<sup>st</sup>, 2021, facility security personnel must use a two-prong approach to ensure proper identification and valid purpose:

1. Check the personal identification meeting the criteria in 33 CFR 101.515; and,
2. Confirm the purpose for access by examining at least one document listed in 33 CFR 105.255(d)(4).

Although this may seem like a minor additional task to validate an ID with a boarding pass, we believe the impact will greatly impede the flow of passengers returning to their vessel. The above mentioned two-prong requirement will be similar to what one experiences at an airport TSA checkpoint. The extra time required to ensure each boarding pass matches the government issued ID has the potential to create delays when excess of 1000 passengers/hour attempt to embark their vessels during the waning time in Juneau. Additionally, passengers who do not have government issued ID will need to be escorted by port facility security to the vessel security officer which will only exasperate those waiting in the queuing line.

**Marine Passenger Fee Funds Requested (FY26):** \$300,000 (17 Part Time Limited Harbor Technicians)

**Benefits:** By funding an additional 17 PTL Harbor Technicians positions, Docks & Harbors will recruit seasonal employees who will augment the standing Docks security force enabling greater redundancy for properly checking credential in accordance with Coast Guard guidance.

**Maintenance and Operation Responsibility:** CBJ Docks & Harbors, as the facility manager for the AS and CT Docks, has uplands security requirements required under MSTA regulations.

**Project Contact:** Matt Creswell, CBJ Harbormaster or Carl Uchtyl, CBJ Port Director 586-0292.

### Purchase of Archipelago Property, LLC Uplands

**Description:** Purchase the upland property in private ownership adjoining Peratrovich Plaza. This 0.777 acre parcel is owned by Archipelago Property, LLC is assessed at \$9.5M. Docks & Harbors completed the [Marine Park to Taku Dock Urban Design Plan in 2018](#) which provided direction for expanding the use of the along the Juneau waterfront. This plan lead to a sophisticated land swap/sale with the private owner to achieve beneficial use.



**Board identified the following:** The Marine Park to Taku Dock Urban Design Plan envisioned the *terra firma* property to be developed with private capital for retail purchase. The plan was also a catalyst for identifying a future, undefined waterfront attraction on the wooden deck. The CBJ Manager has identified a project to relocate the Juneau-Douglas City Museum to the waterfront.

**Marine Passenger Fee Funds Requested (FY26):** \$10M

**Benefits:** Docks & Harbors believes the best use of the waterfront would be to purchase the uplands and develop the museum along Franklin Street. This would leave Peratrovich Plaza, including the Peratrovich mural, to have view planes protected along the Seawalk and to Juneau Harbor.

**Maintenance and Operation Responsibility:** As this is request is for property transaction only there is no maintenance and operational costs.

**Project Contact:** Carl Uchytel, CBJ Port Director 586-0292.

**CBJ Docks and Harbors Board  
FY2026 Marine Passenger Fee Request**

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**Lone Sailor Statue**

**Description:** Alaska Pioneers (Igloo 6) are in the initial planning stages to erect a [Lone Sailor Statue](#) in Juneau. There are currently 17 Lone Sailor Statues around the world. Discussion with the Navy Memorial, which oversee the program, indicates that a sponsor would need to fundraise \$350,000 and provide a suitable location for display. The sailor is 7' 4" tall and made of bronze.



**Marine Passenger Fee Funds Requested (FY26):** \$100K

**Benefits:** This is a non-profit civic organization's efforts to bring art and vitality to Juneau. There is a connection to the USS JUNEAU and the Lone Sailor mission. The Lone Sailor is an iconic symbol of the Navy Memorial's mission to *Honor, Recognize, and Celebrate* the men and women of the Sea Services, past, present, and future; and to Inform the public about their service.

**Maintenance and Operation Responsibility:** Should a suitable location be found on CBJ property, the appropriate CBJ department could maintain the bronze statue. Else, the sponsoring organization could retain this responsibility.

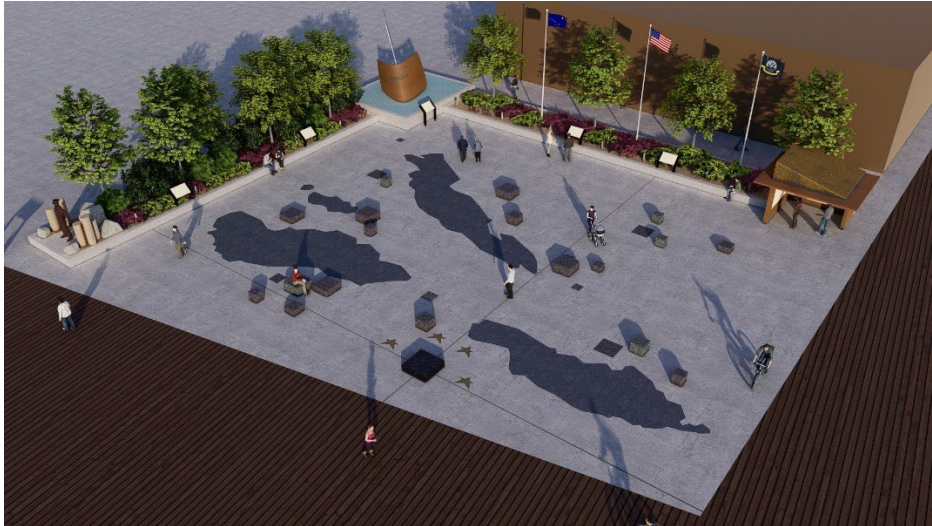
**Project Contact:** Carl Uchytel, CBJ Port Director 586-0292.



**CBJ Docks and Harbors Board  
FY2026 Marine Passenger Fee Request**

**USS JUNEAU MEMORIAL - EXPANSION**

**Description:** In the [Marine Park to Taku Dock Urban Design Plan in 2018](#) an option was explored to create a larger and more significant USS JUNEAU memorial along the Seawalk. The USS JUNEAU memorial is currently revered at its location; however, it lacks interpretive information on the Battle of Guadalcanal and the five Sullivan brothers. A well designed memorial could enhance the visitor experience and honor a local namesake.



**Marine Passenger Fee Funds Requested (FY26):** \$6M

**Benefits:** This project could expand the useable width of the Seawalk, provide an historical educational display and honor those in the sea going services.

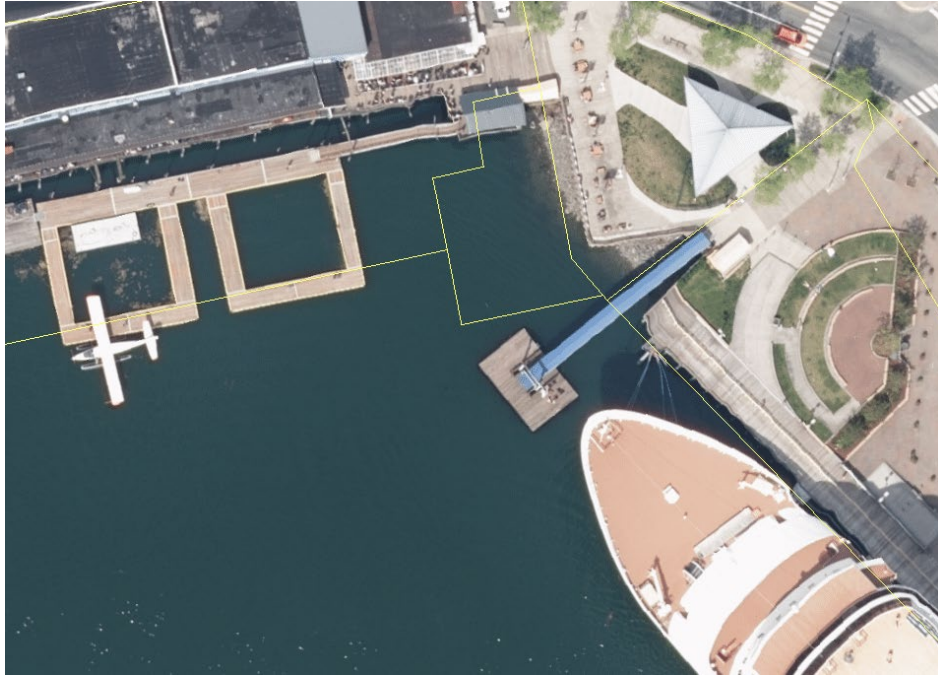
**Maintenance and Operation Responsibility:** CBJ is responsible for all ongoing maintenance and operating expenses of CBJ owned facilities and will use local Docks enterprise funds or future Marine Passengers Fees for these expenses.

**Project Contact:** Carl Uchytel, CBJ Port Director 586-0292.



**Reestablishment of Emergency Vessel Loading Float**

**Description:** With the construction of the new downtown cruise ship docks, the former lightering float became a risk to the float planes and was removed.



**Marine Passenger Fee Funds Requested (FY26):** \$1M

**Benefits:** This project, at a yet to be determined location, would contribute to providing a secondary emergency vessel mooring location to offload cruise ship passenger in the result of a mishap.

**Maintenance and Operation Responsibility:** Docks & Harbors would be responsible for all ongoing maintenance and operating expenses for this CBJ owned facility and will use local Docks enterprise funds or future Marine Passengers Fees for expenses.

**Project Contact:** Carl Uchtyl, CBJ Port Director 586-0292.

**CBJ Docks and Harbors Board  
FY2026 Marine Passenger Fee Request**

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**Downtown Piling Inspection**

**Description:** Although much of the CBJ-owned, downtown cruise ship area has been recently recapitalized, there exists many timber and steel piling supporting Seawalk and parking areas which have not been inspected in recent years. This request would fund an engineering assessment and remaining life of existing piling in the CBJ-owned docks and dock supported structures.

**Marine Passenger Fee Funds Requested (FY26):** \$200K

**Benefits:** This inspection would provide an estimate as to when CBJ should start planning for recapitalizing existing piling and structural elements along the Seawalk and parking lots.

**Maintenance and Operation Responsibility:** This would be for a study and evaluation to estimate future local Docks enterprise funds or Marine Passengers Fees for repair/recapitalization.

**Project Contact:** Matthew Sill, Port Engineer or Carl Uchtyl, CBJ Port Director 586-0292.

# Welcome Aboard!

Congratulations on your selection to receive a Port Infrastructure Development Program (PIDP) FY 2024 grant award. Now that you have been selected for an award, the Maritime Administration (MARAD) would like to move towards executing a grant agreement and fully obligating the funds as soon as possible, so that you may begin work on your project. To that end, we have created this document to provide some early guidance on what the next steps will be as well as provide pertinent information that you need to know regarding the goals, expectations, and requirements for managing your grant.

## Next Steps

1. Kick-off webinar to provide an overview of the program, including background and details related to scope, schedule, and budget.
2. Initial call between the MARAD and recipient team members.
3. Complete pre-award Federal requirements, including:
  - a. National Environmental Policy Act (NEPA) review,
  - b. Section 106 of the National Historic Preservation Act (NHPA) consultations,
  - c. Recipient’s Letter of Funds Availability, and
  - d. Title VI Assessment, as applicable.
4. Develop scope, schedule, budget, and any other areas requiring Recipient input in the draft grant agreement.

### Estimated Grant Agreement Execution Process Timeline:

Action	Responsible Entity	Estimated Time
Kick-Off Webinar	MARAD	Within one month of receiving this document
Initial team meetings	MARAD	Within 2 months of receiving this document
Complete NEPA	Recipient and MARAD	5-20 months
Complete Section 106 of NHPA	Recipient and MARAD	5-20 months
Title VI Assessment	Recipient	6-9 months
Letter of Funds Availability	Recipient	Any time before grant execution, but should not be submitted until after the project budget is finalized
Execute Grant Agreement	Recipient and MARAD	1-4 months after NEPA completion
Estimated total time until Grant Execution		6-24 months

### Point of Contact:

Your grant will be assigned to a Grant Management Specialist. This person serves as the primary point of contact for your grant until grant execution. Your Grants Manager should be the first person you contact when questions or issues related to your grant arise, as well as when technical

assistance, clarification, or other resolution is needed. Your Grants Manager will provide a full list of the contacts related to your project.

### **Before grant agreement execution, you should:**

1. Assist MARAD in the NEPA review process – All grant projects must undergo a NEPA review before execution of the grant agreement, even those projects that will result in a Categorical Exclusion class of action. Review the environmental documents when provided by the MARAD Office of Environmental Compliance and start to formulate the action plan to complete the required documentation as soon as possible. If your project will require consultation or coordination with other service agencies (e.g., National Marine Fisheries Service (NMFS), U.S. Fish and Wildlife Service (FWS)), please begin that process as early as possible to avoid delaying the NEPA process.
2. Assist MARAD in the NHPA Section 106 consultation process – Section 106 requires MARAD to identify and assess the effects its actions may have on historic properties. Please review your project and what may be required to complete this process. The MARAD National Historic Preservation Officer will help with this requirement.
3. If your project includes a non-Federal cost match, submit to MARAD your non-Federal match documentation – MARAD requires that you provide a letter of match commitment confirming that the non-Federal match outlined in your application is secured and dedicated to the project. We cannot execute a grant agreement without this funding commitment letter. MARAD will provide an example of what this documentation should look like, upon request.
4. Develop draft Grant Agreement – Work with MARAD on finalizing the draft Grant Agreement, including project scope, schedule, and budget.
5. Ensure Build America, Buy America Act (“BABA” or “Buy America”) compliance – Review the materials required to execute the project scope to ensure compliance with the applicable Buy America requirements (see Buy America Requirements below). MARAD cannot obligate PIDP funds unless all steel, iron, manufactured products, and construction materials are made in the US or a waiver applies.
6. Complete the Title VI Assessment. These requirements may vary depending on whether you are an existing or new MARAD grant recipient. MARAD’s external civil rights coordinator will assist you with these requirements.

### **Before grant agreement execution, you should NOT:**

1. Begin any construction activities – No construction (i.e., activities that disturb the land in any way or involve in-water work) can take place prior to NEPA completion or you risk jeopardizing your entire Federal award. Certain activities, such as field surveys, studies, and/or investigations that require minimally invasive environmental disturbances may be permitted only with prior notification to and approval from MARAD. For more information on which activities are and are not allowable before NEPA is complete, refer to MARAD’s “Process on pre-NEPA Field Surveys Prior to Grant/Loan Award Execution” document provided by MARAD’s Office of Environmental Compliance.

After NEPA completion but before grant agreement execution, construction activities can only begin with written pre-approval by MARAD.

2. Incur any project costs without MARAD’s written approval (regardless of whether the costs would be reimbursed with PIDP grant funds or charged to your non-Federal cost share) – Pursuant to 46 U.S.C. 54301(a)(10)(B) and 2 CFR 200.458, PIDP recipients must apply to MARAD for approval to incur and expend any Federal or non-Federal project costs prior to grant agreement execution. If you would like to begin incurring certain eligible project costs, please contact your Grants Manager and they can explain the process and provide you with the “Pre-award costs application.” Generally, to be allowable, at a minimum, the costs must:
  - a. Be for pre-construction activities (unless NEPA is already completed);
  - b. Not yet be incurred or expended;
  - c. Comply with all Federal requirements;
  - d. Be included in the applicable PIDP grant application as future eligible costs;
  - e. Be necessary for the efficient and timely performance of the scope of work; and
  - f. Be directly pursuant to the negotiation and in anticipation of the Federal award.

## **Additional Things to Consider:**

### **Procurement methods:**

The acquisition of goods and services must follow the procurement standards described in 2 C.F.R. 200.317-327. A State or Indian Tribe must follow the same policies and procedures it uses for procurements from its non-Federal funds. All other non-Federal entities must conduct all procurement transactions for the acquisition of property or services in a manner providing full and open competition consistent with the standards described in 2 C.F.R. 200.319-320. Noncompetitive procurements can only be awarded in accordance with 2 C.F.R. 200.320(c) and with the written approval of MARAD.

### **Minimum Wage Rates:**

You must include, in all contracts in excess of \$2,000 for work on the project that involves labor, provisions establishing minimum rates of wages, to be predetermined by the United States Secretary of Labor, in accordance with the Davis-Bacon Act, 40 U.S.C. 3141–3148, that contractors shall pay to skilled and unskilled labor, and such minimum rates shall be stated in the invitation for bids and shall be included in proposals or bids for the work.

### **Small and Disadvantaged Business Enterprises Requirements:**

If any funds under this award are administered by a State Department of Transportation, those funds must be expended in compliance with the requirements at 49 C.F.R. part 26. Otherwise, you must expend all funds under this award in compliance with the requirements at 2 C.F.R.

200.321 (“Contracting with small and minority businesses, women’s business enterprises, and labor surplus area firms”).

**Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (Uniform Act):**

The Uniform Act and implementing regulations at 49 CFR part 24 apply when Federal aid is used to fund any phase of the project. For example, if you use local funds for a right-of-way acquisition that is in anticipation of this USDOT project, you must still comply with the Uniform Act related to those right-of-way activities to be eligible to receive these Federal funds.

**Buy America Requirements:**

Your project is an infrastructure project. Therefore, all iron, steel, manufactured products, and construction materials used in the project for infrastructure expenditures<sup>1</sup> are subject to the domestic content requirements of the Build America, Buy America Act, Pub. L. No. 117-58, div. G, tit. IX, subtit. A, 135 Stat. 429, 1298 (2021) and 2 C.F.R. 184, as implemented in the terms and conditions and exhibits of the grant agreement.

You must not use funds provided under this award unless:

- (1) all iron and steel used in the project are produced in the United States—this means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States;
- (2) all manufactured products used in the project are produced in the United States—this means the manufactured product was manufactured in the United States; and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product; and
- (3) all construction materials are manufactured in the United States—this means that all manufacturing processes for the construction material occurred in the United States.

When necessary, you may apply for, and the USDOT may grant, a waiver from the Buy America preference if the USDOT determines that:

- (i) applying the Buy America preference would be inconsistent with the public interest;
- (ii) the types of iron, steel, manufactured products, or construction materials are not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality; or
- (iii) the inclusion of iron, steel, manufactured products, or construction materials produced in the United States will increase the cost of the overall project by more than 25 percent.

On August 16, 2023, USDOT announced a public interest [Waiver of Buy America Requirements for De Minimis Costs and Small Grants](#). Under this waiver, you may use a de minimis amount of non-compliant iron, steel, manufactured products, and construction materials in your project as long as the total value of the non-compliant products is no more than the lesser of \$1 million or

<sup>1</sup> Noninfrastructure spending should comply with the Buy American Act requirements at 41 U.S.C. chapter 83.

5% of total applicable costs for the project. Total applicable project costs are defined as the cost of materials (including the cost of any manufactured products but excluding labor costs) used in the project that are subject to a domestic preference requirement, including materials that are within the scope of an existing waiver.

Please notify MARAD as soon as possible when a potential Buy America issue arises.

**Conflicts of Interest:**

You must establish and maintain written Standards of Conduct covering conflicts of interest and governing the performance of your employees that are engaged in or otherwise involved in the award or administration of third-party contracts. Additionally, you must be aware of conflict of interest issues a prospective contractor might have, including lack of impartiality, impaired objectivity, or unfair competitive advantage. You must disclose, in writing, any potential or real conflicts of interest to MARAD in accordance with 2 CFR 200.112.



# Port of Juneau

City & Borough of Juneau • Docks & Harbors  
 155 Heritage Way • Juneau, AK 99801  
 (907) 586-0292 Phone • (907) 586-0295 Fax

**Subject:** Implementation of Additional Charges for Cruise Ships Without Electronic ID Verification

**To All Concerned Stakeholders,**

The safety and security of our port operations are paramount, and compliance with the regulations set forth by the United States Coast Guard (USCG) remains a top priority. In 2020, the USCG introduced a mandate requiring ports that accommodate MTSA-regulated vessels to verify government-issued identification against cruise ship credentials for access to secure areas. This mandate, while essential for maintaining high security standards, necessitates additional resources for compliance.

### Context and Current Practices

Most cruise lines have already implemented electronic ID verification systems to meet this requirement. These systems significantly enhance operational efficiency by streamlining the credential verification process, minimizing passenger delays, and bolstering security. However, cruise ships that do not utilize electronic ID verification systems place additional demand on port resources due to the need for manual checks of government-issued photo identification and credentials. This significantly delays the boarding process and diminishes the visitor experience.

### New Policy Implementation

To address the resource impact of manual credential verification, the Port of Juneau will implement an **additional charge for large cruise ships that do not use electronic ID verification systems** during passenger boarding. This policy will take effect on **April 1, 2025**.

The fee is designed to offset the increased manpower and operational costs required to meet security obligations in these instances.

### Fee Details

- The fee will be calculated based on the number of personnel required to perform manual credential verification and the duration of the port call.
- **Labor rate:** \$94.08 per hour per staff member.
- The fee will only be assessed when the passenger count on the vessel is over **2000 passengers**.

For example:



- A port call lasting 8 hours that requires 3 staff members for manual credential verification would incur a charge of \$2,257.92:  
(8 hours × 3 staff × \$94.08/hour).

The fee structure ensures that additional resources necessary for manual processing are fairly compensated while encouraging modernization and efficiency in ID verification practices.

### Rationale for the Policy

1. **Enhanced Efficiency:** Electronic ID verification reduces delays and ensures a smoother boarding process.
2. **Improved Security Compliance:** Modern verification systems ensure alignment with USCG mandates and strengthen security operations.
3. **Promoting Industry Standards:** Encouraging cruise lines to adopt electronic ID verification promotes best practices across the industry, benefiting both the port and its stakeholders.

### Next Steps

We encourage all cruise lines operating at the Port of Juneau to implement or transition to electronic ID verification systems prior to the effective date of this policy. For cruise lines needing assistance or guidance on implementing electronic ID verification systems, our team is available to provide support and recommendations.

### Contact Information

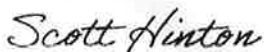
If you have any questions or require further clarification regarding this policy or the associated fees, please do not hesitate to reach out to our office at:

**Phone:** (907) 500-4119

**Email:** [scott.hinton@juneau.gov](mailto:scott.hinton@juneau.gov)

We appreciate your understanding and cooperation as we continue to enhance the safety, security, and efficiency of port operations. Thank you for your ongoing partnership in supporting the Port of Juneau's mission to maintain world-class standards for all stakeholders.

Sincerely,



**Port Operations Manager**

Port of Juneau



**STATTER HARBOR IMPROVEMENTS**  
**PHASE III(D) - UPLAND IMPROVEMENTS**  
**65% ENGINEERS ESTIMATE**  
**Prepared by: PND ENGINEERS, INC.**

Section H, Item 6.



3-Dec-24

Item	Item Description	Units	Quantity	Unit Cost	Amount
1505.1	Mobilization	LS	All Req'd	\$357,221	\$357,221
1570.1	Erosion and Sediment Control	LS	All Req'd	\$30,000	\$30,000
2060.1	Demolition and Disposal	LS	All Req'd	\$30,000	\$30,000
2202.1	Unusable Excavation	CY	1,150	\$40	\$46,000
2202.2	Usable Excavation	CY	200	\$40	\$8,000
2202.3	Class A Shot Rock Borrow	CY	2,000	\$75	\$150,000
2202.4	2" Minus Surface Course	CY	150	\$100	\$15,000
2204.1	Base Course, Grading D-1	CY	1,150	\$100	\$115,000
2205.1	Class II Armor Rock	CY	20	\$150	\$3,000
2402.1	Adjust Cleanout to Finish Grade	EA	3	\$1,500	\$4,500
2501.1	18-Inch CPP Storm Drain Pipe	LF	160	\$120	\$19,200
2502.1	Storm Drain Catch Basin, Type IV	EA	2	\$5,000	\$10,000
2502.2	Adjust Manhole to Finish Grade	EA	3	\$1,500	\$4,500
2502.3	Trench Drain	LF	134	\$350	\$46,900
2601.1	1-Inch HDPE Water Pipe	LF	35	\$100	\$3,500
2601.2	Yard Hydrant	EA	1	\$2,500	\$2,500
2602.1	Adjust Valve Box to Finish Grade	EA	2	\$1,500	\$3,000
2702.1	Construction Surveying	LS	All Req'd	\$50,000	\$50,000
2718.1	Signage	LS	All Req'd	\$10,000	\$10,000
2720.1	Painted Traffic Markings	LS	All Req'd	\$30,000	\$30,000
2726.1	1-ft thick MSE Wall Blocks	LS	All Req'd	\$30,000	\$30,000
2801.1	AC Pavement, Type II, Class B, 3-Inch Thick	TON	1,225	\$400	\$490,000
2870.1	Site Furnishings and Planters	LS	All Req'd	\$75,000	\$75,000
2910.1	Planting Soils	LS	All Req'd	\$30,000	\$30,000
2930.1	Exterior Plants and General Landscaping	LS	All Req'd	\$50,000	\$50,000
2970.1	Landscape Maintenance	LS	All Req'd	\$2,500	\$2,500
3303.1	6-Inch Colored Concrete	SY	235	\$300	\$70,500
3303.2	6-Inch Concrete Sidewalk	SY	715	\$300	\$214,500
3303.3	Curb and Gutter, Types I-V	LF	975	\$75	\$73,125
3304.1	Concrete Seawalk	SY	100	\$450	\$45,000
3304.2	Cantilevered Concrete Seawalk	SY	345	\$450	\$155,250
3304.3	Concrete Landscape Planter	LS	All Req'd	\$50,000	\$50,000
3304.4	Concrete Seatwall	LS	All Req'd	\$50,000	\$50,000
3304.5	Concrete Parking Bumper	EA	10	\$1,500	\$15,000
5120.1	Handrail	LF	370	\$350	\$129,500
16000.1	Upland Electrical - Power and Lighting	LS	All Req'd	\$350,000	\$350,000
<b>ESTIMATED CONSTRUCTION COST</b>					<b>\$2,768,696</b>
<b>CONSTRUCTION CONTINGENCY (10%)</b>					<b>\$276,870</b>
<b>PERMIT APPLICATIONS</b>					<b>\$15,000</b>
<b>FINAL DESIGN &amp; CONTRACT DOCUMENTS</b>					<b>\$225,000</b>
<b>CONTRACT ADMINISTRATION &amp; CONSTRUCTION INSPECTION (8%)</b>					<b>\$221,496</b>
<b>TOTAL RECOMMENDED PROJECT BUDGET</b>					<b>\$3,507,062</b>

# CITY & BOROUGH OF JUNEAU - DOCKS & HARBORS

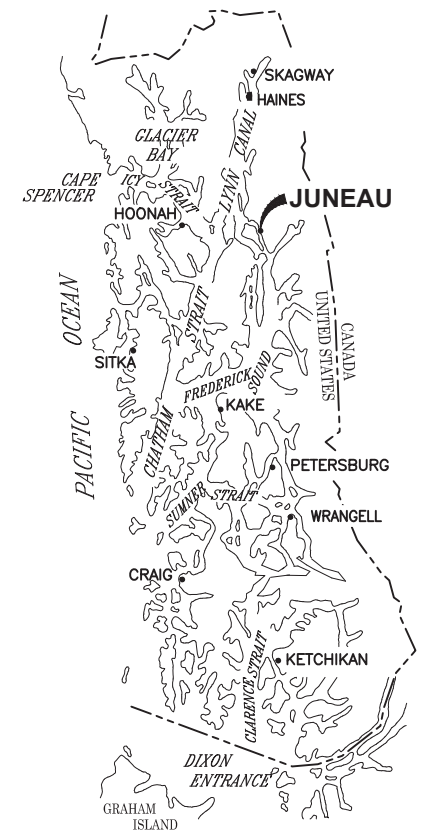
## STATTER HARBOR IMPROVEMENTS PHASE III (D)

### UPLAND IMPROVEMENTS

#### CBJ CONTRACT - DH25-023



**VICINITY**



**SOUTHEAST ALASKA**



AERIAL PHOTO FROM:  
CITY AND BOROUGH OF JUNEAU, 2016

**VICINITY MAP**

TIDAL DATA	
SOURCE: NOAA NOS/CO-OPS STATION ID: 9452210 JUNEAU, ALASKA 2/6/18	
DESCRIPTION	ELEV. (FT.)
HIGHEST OBSERVED WATER LEVEL	+24.58
MEAN HIGHER HIGH WATER (MHHW)	+16.30
MEAN HIGH WATER (MHW)	+15.34
MEAN SEA LEVEL (MSL)	+8.58
MEAN TIDE LEVEL (MTL)	+8.47
MEAN LOW WATER (MLW)	+1.60
MEAN LOWER LOW WATER (MLLW)	0.00
LOWEST OBSERVED WATER LEVEL	-6.12

DRAWING INDEX	
DWG. NO.	TITLE
<b>GENERAL</b>	
1.01	TITLE SHEET AND VICINITY MAP
1.02	LEGEND, ABBREVIATIONS, GENERAL NOTES AND SURVEY CONTROL
1.03	EXISTING CONDITIONS AND DEMOLITION PLAN
1.04	OVERALL SITE PLAN
1.05	PARTIAL GRADING PLAN
1.06	PARTIAL GRADING PLAN
1.07	GRADING ENLARGEMENT DETAILS
1.08	GRADING POINTS AND LAYOUT TABLES
1.09	STORM DRAIN PLAN
2.01	SITE SECTIONS
2.02	KAYAK LAUNCH RAMP PLAN AND PROFILE
2.03	RAILING ELEVATION
2.04	RAILING DETAILS
2.05	SITE DETAILS
2.06	SITE DETAILS
2.07	SITE DETAILS
2.08	SITE DETAILS
3.01	STRIPING PLAN
3.02	STRIPING AND SIGNAGE DETAILS
<b>ELECTRICAL</b>	
E001	SCHEDULE AND SYMBOLS
ES01	ELECTRICAL SITE PLAN
E101	DETAILS
<b>LANDSCAPE</b>	
L101	LAYOUT AND SOILS PLAN
L102	LANDSCAPE PLAN
L501	DETAILS

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REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

**PND**  
ENGINEERS, INC.

9360 Glacier Highway Ste 100  
Juneau, Alaska 99801  
Phone: 907-586-2093  
Fax: 907-586-2099  
www.pndengineers.com

DESIGN: BMI    CHECKED: CRS    SCALE: AS SHOWN

DRAWN: WRB    APPROVED: \_\_\_\_\_

**65%  
DESIGN  
REVIEW**

DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
**CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**TITLE SHEET AND VICINITY MAP**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250



**LEGEND**

EXISTING	THIS PROJECT	
		TELEPHONE PEDESTAL
		TELEVISION PEDESTAL
		ELECTRICAL PEDESTAL
		FENCE
		FUEL LINE (ABANDONED)
		FUEL LINE
		ELECTRICAL (ABANDONED)
		ELECTRICAL (UNDERGROUND)
		ELECTRICAL (OVERHEAD)
		WATER
		SANITARY SEWER
		RIGHT-OF-WAY
		COMMUNICATION (CABLE/TEL)
		STORM DRAIN
		FORCE MAIN
		FOUNDATION DRAIN PIPE
		PROPERTY LINE
		GUY WIRE ANCHOR
		GUARDRAIL
		BOLLARD
		CURB & GUTTER
		ELECTRICAL HANDHOLE
		FIRE HYDRANT
		LAYOUT POINT
		LIGHT POLE
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		STORM DRAIN INLET
		UTILITY POLE
		SIGN
		WATER VALVE
		SURFACE FLOW DIRECTION
		EXISTING ELEVATION
		RADIUS IN FEET
		SECTION OR DETAIL CALLOUT
		LOCATION OF DETAIL OR REFERENCE DRAWING

**GENERAL NOTES**

- PROPERTY DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION OR BETTER AT NO ADDITIONAL COST.
- CBJ ENGINEERING STANDARD DETAILS BOOK DATED AUGUST, 2011 IS MADE A PART OF THIS CONTRACT, WITH CURRENT REVISIONS AS APPLICABLE. STANDARD DETAILS SHALL ONLY BE UTILIZED AS SPECIFICALLY REFERENCED IN THE DRAWINGS WITH MODIFICATIONS SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE, LOCAL, STATE AND FEDERAL CODES, PERMITS AND SAFETY REQUIREMENTS.
- THE LOCATIONS OF EXISTING FEATURES AND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES NOT SHOWN IN THESE DRAWINGS MAY BE PRESENT. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AS NECESSARY, PRIOR TO BEGINNING WORK. THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD SHALL BE RECORDED ON THE CONTRACTOR'S RECORD DRAWINGS. CONTACT LOCAL UTILITY COMPANIES PRIOR TO ANY/ ALL EXCAVATIONS AT THE FOLLOWING TELEPHONE NUMBERS:

**DIAL BEFORE YOU DIG!**  
**586-1333**  
 UNDERGROUND POWER, TELEPHONE, T.V.,  
 COMMUNICATIONS, WATER AND WASTEWATER LINES  
 ARE IN THE AREA. UTILITIES SHOWN HERE DO NOT  
 SUBSTITUTE FOR FIELD LOCATES.

- GRADING AND FINAL ALIGNMENT OF UTILITIES & PIPING ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER TO FIT SITE CONDITIONS, AT NO ADDITIONAL COST.
- CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED BOROUGH DEPARTMENTS AND LOCAL UTILITY COMPANIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOT DISRUPT UTILITY SERVICES EXCEPT AS REQUIRED TO COMPLETE THE RECONFIGURATION OF THOSE SERVICES AS SHOWN IN THE PLANS. COORDINATE ANY DISRUPTIONS WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE.

**ABBREVIATIONS**

<b>A</b>	AT	<b>F</b>	FLOOR DRAIN	<b>Q</b>	QUANTITY
<b>@</b>	ASPHALT CONCRETE PAVEMENT	<b>FD</b>	FINISHED FLOOR	<b>R</b>	RADIUS
<b>APPROX.</b>	APPROXIMATE	<b>FF</b>	FIRE HYDRANT, FLAT HEAD	<b>R/RAD</b>	RIM ELEVATION
<b>B</b>	BUILDING	<b>FH</b>	FORCE MAIN SEWER	<b>REQD</b>	REQUIRED
<b>BLDG</b>	BACK OF SEAWALK	<b>FM</b>	FOOT	<b>REQMTS</b>	REQUIREMENTS
<b>BSW</b>	BOTTOM	<b>FT</b>		<b>ROW</b>	RIGHT OF WAY
<b>BTM,BOT</b>	BETWEEN	<b>I</b>		<b>S</b>	STORM DRAIN
<b>BTWN</b>		<b>G</b>	GRADE BREAK	<b>SD</b>	STORM DRAIN INLET STRUCTURE
<b>C</b>	CURB & GUTTER	<b>GB</b>	GATE VALVE	<b>SDI</b>	STORM DRAIN OUTLET STRUCTURE
<b>C&amp;G</b>	CATCH BASIN	<b>GV</b>		<b>SDO</b>	STANDARD DIMENSION RATIO
<b>CB</b>	CAST-IN-PLACE	<b>H</b>	HOT-DIPPED GALVANIZED	<b>SDR</b>	SQUARE FOOT
<b>CIP</b>	CENTER LINE	<b>HDG</b>	HIGHWAY	<b>SF</b>	SHEET
<b>CL</b>	CLEAR	<b>HWY.</b>		<b>SHT</b>	SPECIFICATION (S)
<b>CLR</b>	CORRUGATED METAL PIPE	<b>ID</b>	INSIDE DIAMETER	<b>SPEC</b>	STAINLESS STEEL, SANITARY SEWER
<b>CMP</b>	CLEANOUT	<b>IE</b>	INVERT ELEVATION	<b>SS</b>	STORM DRAIN MANHOLE
<b>CO</b>	CONCRETE	<b>INV</b>	INVERT	<b>SDMH</b>	SANITARY SEWER MANHOLE
<b>CONC</b>	CORRUGATED POLYETHYLENE PIPE	<b>J</b>	JUNCTION BOX	<b>STA</b>	STANDARD
<b>CPP</b>	CORNER	<b>JB</b>	RATE OF CURVATURE	<b>STD</b>	SEWER
<b>COR</b>	CORNERS	<b>K</b>		<b>SWR</b>	SQUARE YARD
<b>CRNRS</b>	CONNECT TO EXISTING	<b>K</b>		<b>SY</b>	SYMMETRICAL
<b>CTE</b>	CENTER	<b>L</b>	LINEAR FEET	<b>SYMM</b>	
<b>CTR</b>	CUBIC YARD	<b>LF</b>	LONGITUDINALLY	<b>T</b>	TOP AND BOTTOM
<b>CY</b>		<b>LONG</b>		<b>T&amp;B</b>	THICK
<b>D</b>	DIAMETER	<b>M</b>	MAXIMUM	<b>t</b>	TRENCH DRAIN
<b>D/DIA</b>	DUCTILE IRON PIPE	<b>MAX</b>	MANHOLE	<b>TYP</b>	TYPICAL
<b>DIP</b>	DETAIL	<b>MH</b>	MEAN LOWER LOW WATER	<b>U</b>	UNDERGROUND ELECTRIC
<b>DTL</b>		<b>MIN</b>	MECHANICALLY STABILIZED EARTH	<b>UE</b>	VALVE BOX
<b>E</b>	ELEVATION	<b>MIN</b>	MATERIAL (S)	<b>V</b>	
<b>E</b>	EAST	<b>MLLW</b>		<b>VB</b>	
<b>EA</b>	EACH	<b>MSE</b>		<b>W</b>	
<b>EL/ELEV</b>	EQUAL	<b>MTL</b>		<b>w/</b>	WITH
<b>EQ</b>	EACH WAY	<b>N</b>		<b>WL</b>	WATERLINE
<b>EW</b>	EXISTING	<b>N</b>	NORTH	<b>WV</b>	WATER VALVE
<b>(E)/EXIST</b>	EXISTING ELEVATION	<b>NFS</b>	NON FROST SUSCEPTIBLE		
<b>(xx.xx)</b>		<b>NTS</b>	NOT TO SCALE		
		<b>O</b>			
		<b>OC</b>	ON CENTER		
		<b>OD</b>	OUTSIDE DIAMETER		
		<b>OHE</b>	OVERHEAD ELECTRICAL		

**SURVEY CONTROL**

SURVEY CONTROL				
POINT #	NORTHING	EASTING	ELEV. (FT)	DESCRIPTION
42	510492.220	485365.881	24.67	PK NAIL W/FLASHER
416	510963.679	484704.175	—	B.C. MONUMENT
523	511109.967	485541.616	58.51	AKDOT AL. CAP

**SURVEY NOTES**

- VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW = 0.00').
- BASIS OF VERTICAL DATUM FOR THIS PROJECT IS CONTROL POINT 523 WITH A MEAN LOWER LOW WATER ELEVATION OF 58.51 FEET.
- THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE DOT/PF 2000 JUNEAU GRID. THE DOT/PF JUNEAU GRID IS A LOCAL GROUND SYSTEM BASED AT USC&GS FIRST ORDER CONTROL STATION "EDDIE". IT RELATES TO AKSPC ZONE 1 NAD83 THROUGH THE FOLLOWING PARAMETERS:  
  
 ZONE = NAD83 AKSPC ZONE 1  
 GRID SCALE = 0.999928875  
 CONVERGENCE = -0°45'27.26"  
 TRANSLATION ABOUT USC&GS POINT

- AS FOLLOWS:
- AKSPC NORTHING = 2383469.17310 FT US
  - AKSPC EASTING = 2512570.06318 FT US
  - LOCAL NORTHING = 500000.0000 FT US
  - LOCAL EASTING = 500000.0000 FT US
- FIELD SURVEYS PERFORMED 2010, 2011, 2012, 2014 AND 2016 BY PND & OTHERS.
  - PROPERTY LINES AND EASEMENTS ARE DERIVED FROM RECORD PLATS.
  - BATHYMETRIC SURVEY PERFORMED BY PND 2010 AND 2016.



**SURVEY CONTROL**

NOTE: NOT ALL HARBOR FLOATS AND CURRENT SITE FEATURES SHOWN.



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

**P | N | D**  
 ENGINEERS, INC.

9360 Glacier Highway Ste 100  
 Juneau, Alaska 99801  
 Phone: 907-586-2093  
 Fax: 907-586-2099  
 www.pndengineers.com

DESIGN: BMI    CHECKED: CRS    SCALE: AS SHOWN  
 DRAWN: WRB    APPROVED: \_\_\_\_\_

**65%  
 DESIGN  
 REVIEW**

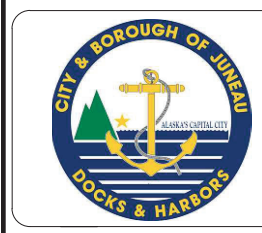
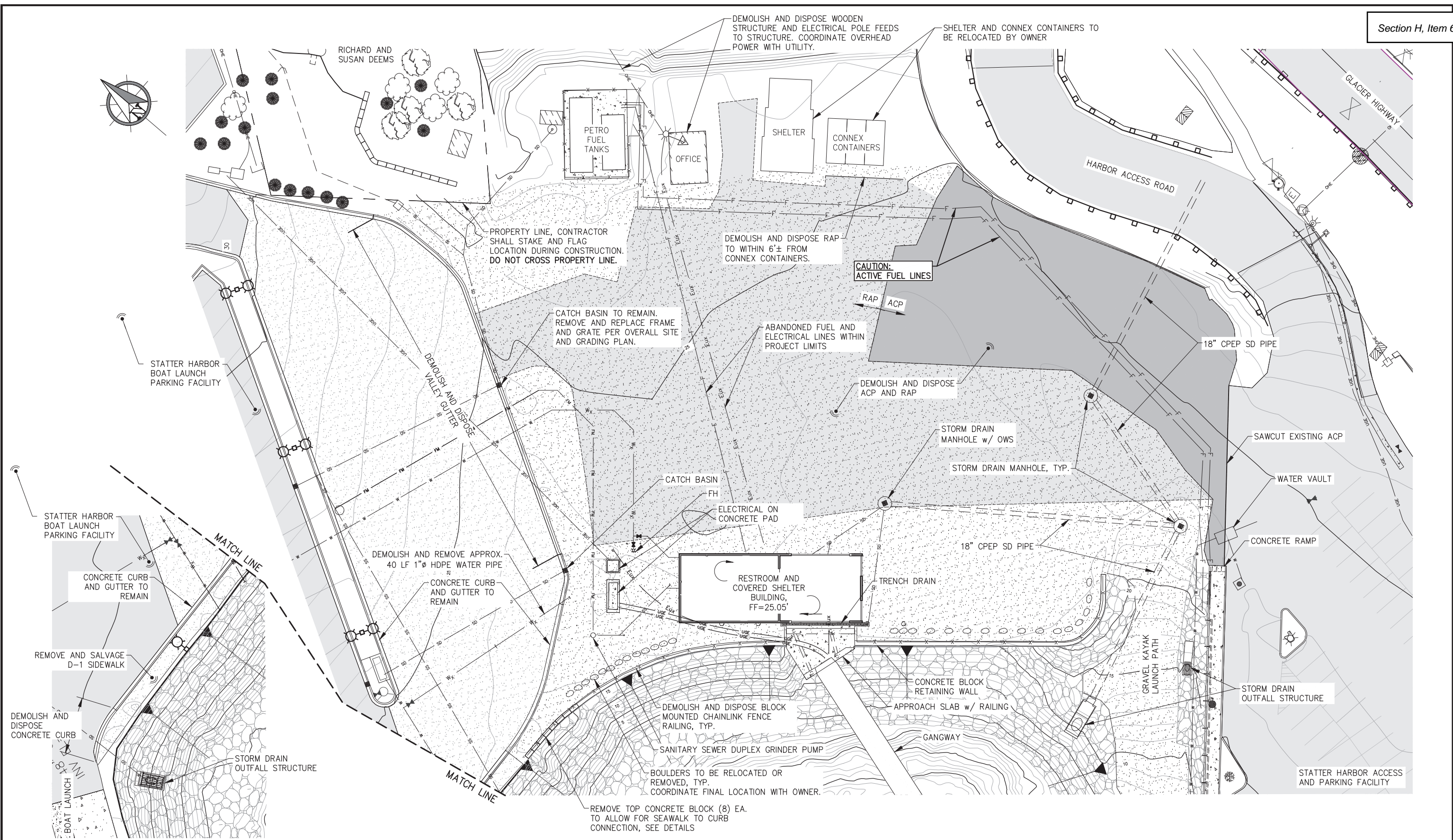
DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
 CBJ CONTRACT NO. DH25-023

SHEET TITLE: **LEGEND,  
 ABBREVIATIONS, GENERAL  
 NOTES AND SURVEY CONTROL**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250





REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

**PND**  
ENGINEERS, INC.

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www.pndengineers.com

DESIGN: BMI    CHECKED: CRS  
DRAWN: WRB    APPROVED: \_\_\_\_\_

SCALE: SCALE IN FEET  
0    20    40 FT.

**65%  
DESIGN  
REVIEW**

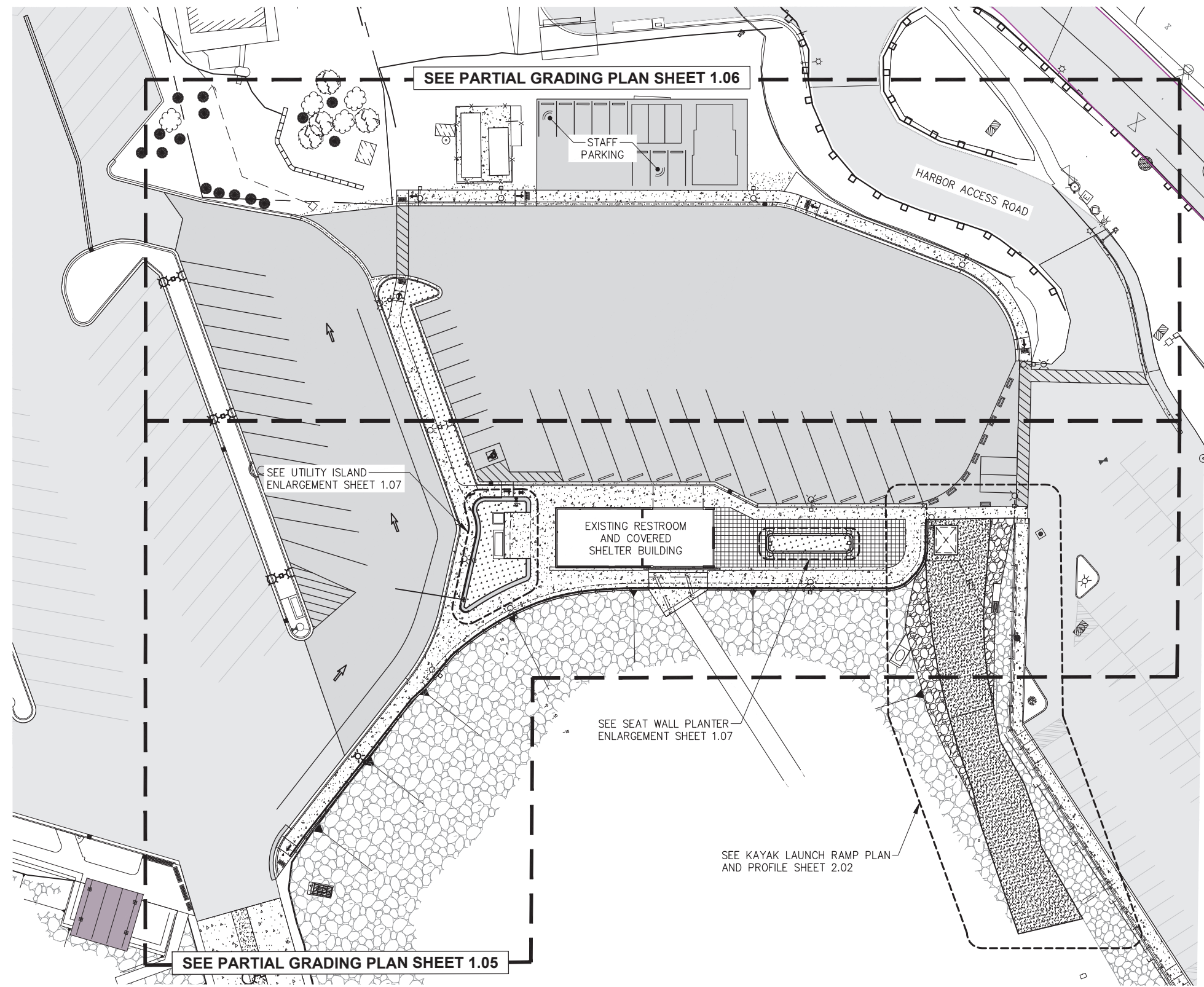
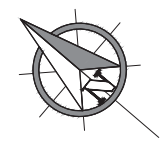
DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA  
STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**EXISTING CONDITIONS AND  
DEMOLITION PLAN**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250





OVERALL SITE PLAN



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

**P | N | D**  
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DESIGN: BMI    CHECKED: CRS  
DRAWN: WRB    APPROVED: \_\_\_\_\_

SCALE: SCALE IN FEET  
0    30    60 FT.

**65%  
DESIGN  
REVIEW**

DATE: 12/03/2024

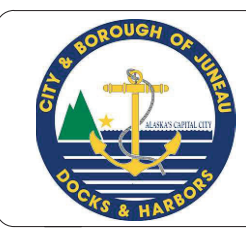
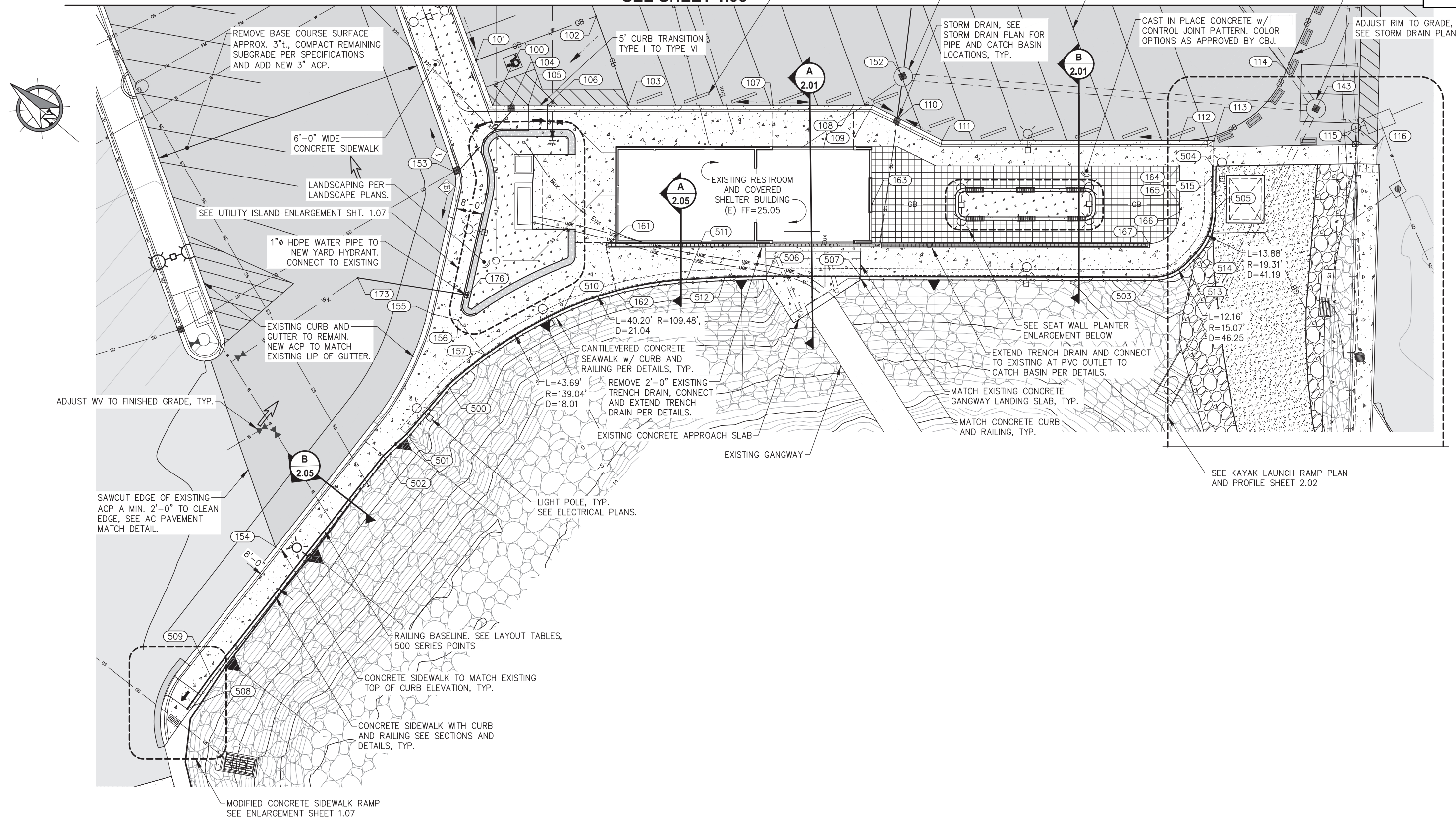
**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
CBJ CONTRACT NO. DH25-023

SHEET TITLE:  
**OVERALL SITE PLAN**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250



**MATCH LINE**  
SEE SHEET 1.06



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

**P | N | D**  
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Fax: 907-586-2099  
www.pndengineers.com

DESIGN: BMI    CHECKED: CRS  
DRAWN: WRB    APPROVED: \_\_\_\_\_

SCALE: SCALE IN FEET  
0    15    30 FT.

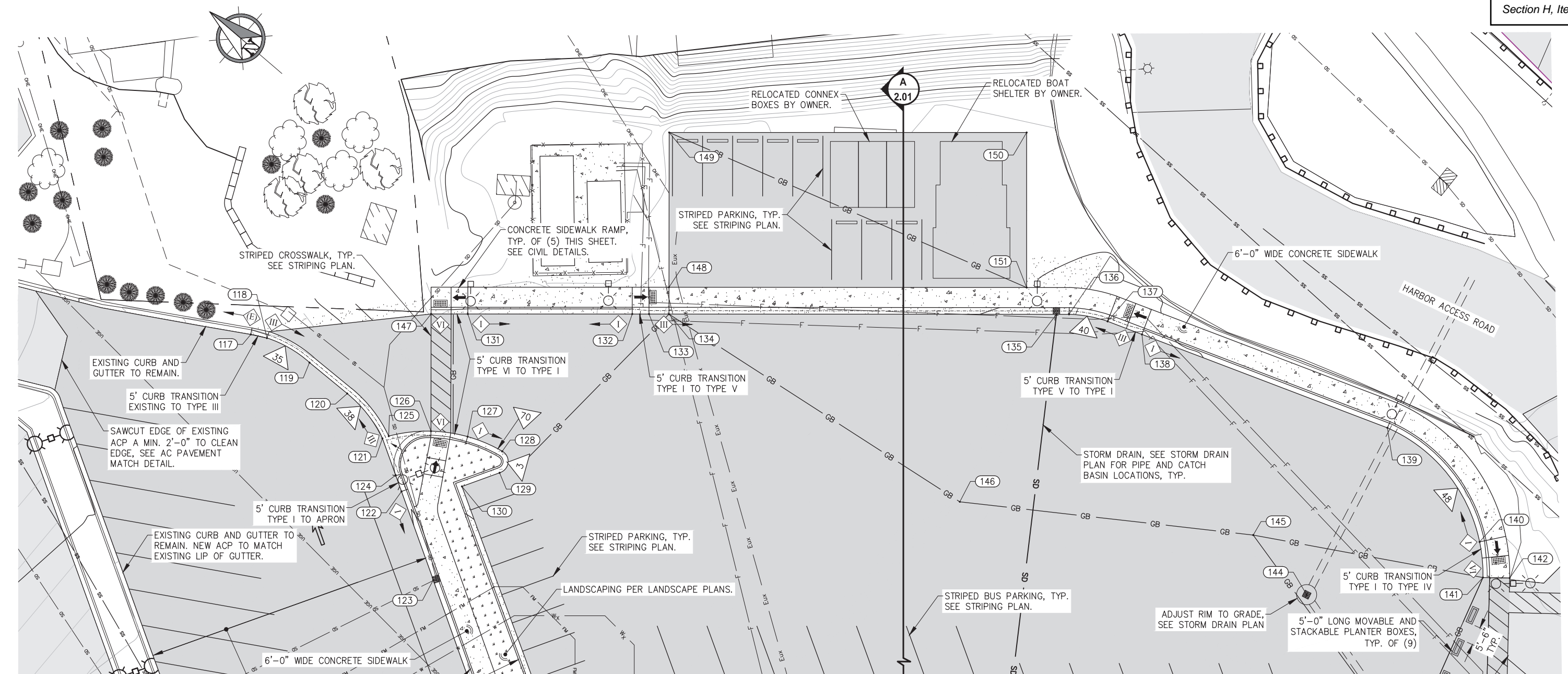
**65%  
DESIGN  
REVIEW**

DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
CBJ CONTRACT NO. DH25-023

SHEET TITLE:  
**PARTIAL GRADING PLAN**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250



MATCH LINE SEE SHEET 1.05



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

**P | N | D**  
ENGINEERS, INC.

9360 Glacier Highway Ste 100  
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Phone: 907-586-2093  
Fax: 907-586-2099  
www.pndengineers.com

DESIGN: BMI    CHECKED: CRS  
DRAWN: WRB    APPROVED: \_\_\_\_\_

SCALE: SCALE IN FEET  
0    15    30 FT.

**65%  
DESIGN  
REVIEW**

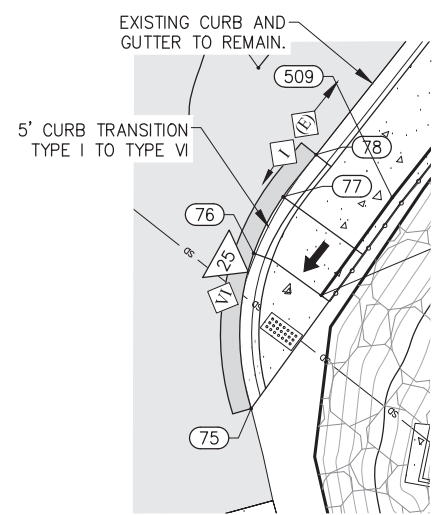
DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
**CBJ CONTRACT NO. DH25-023**

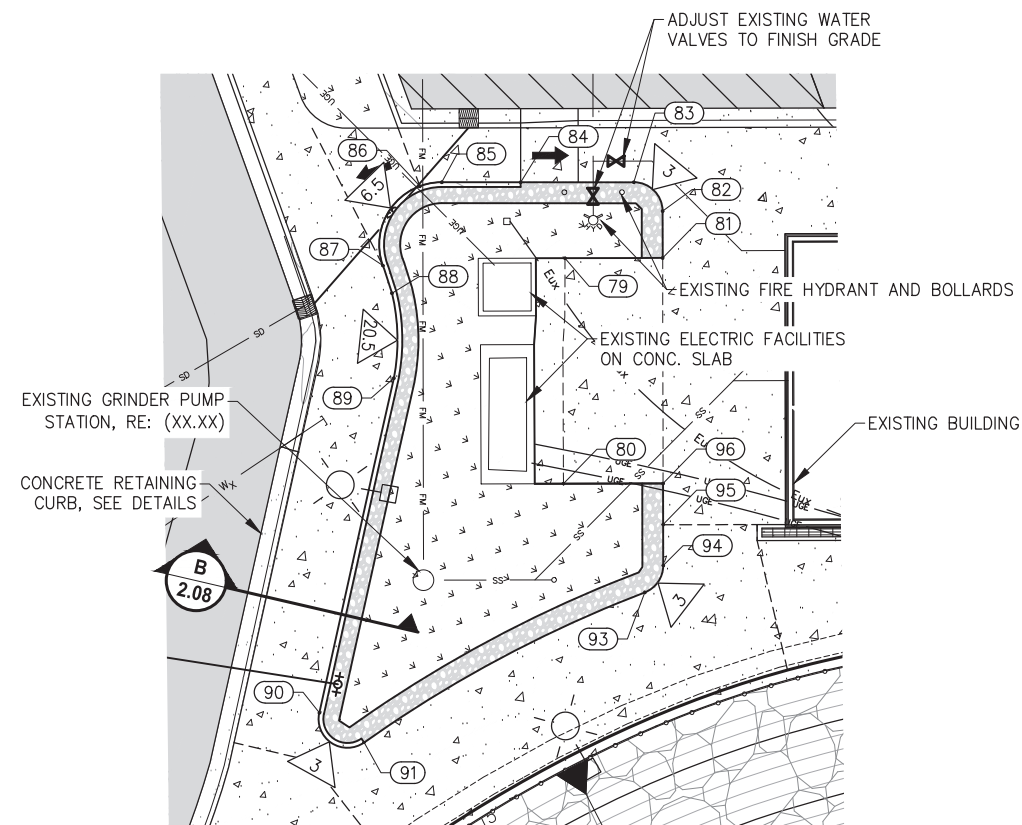
SHEET TITLE:  
**PARTIAL GRADING PLAN**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

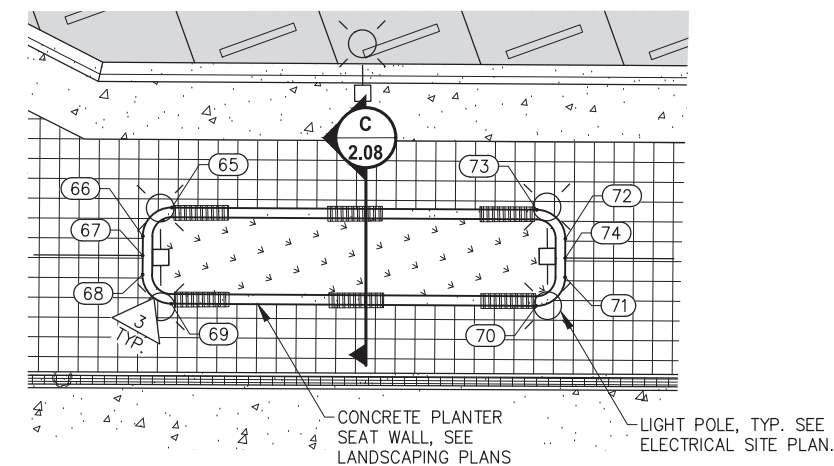




**MODIFIED SIDEWALK RAMP DETAIL**



**UTILITY ISLAND ENLARGEMENT**



**SEAT WALL PLANTER ENLARGEMENT**



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

**P | N | D**  
ENGINEERS, INC.

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Juneau, Alaska 99801  
Phone: 907-586-2093  
Fax: 907-586-2099  
www.pndengineers.com

DESIGN: BMI    CHECKED: CRS  
DRAWN: WRB    APPROVED: \_\_\_\_\_

SCALE: SCALE IN FEET  
0    10    20 FT.

**65%  
DESIGN  
REVIEW**

DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA  
STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**GRADING ENLARGEMENT  
DETAILS**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

LAYOUT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
65	510622.76	485329.89	25.10	PT, CONC.
66	510623.24	485325.67	25.05	PT, CONC.
67	510621.99	485324.11	25.10	GB, CONC.
68	510620.74	485322.54	25.05	PT, CONC.
69	510616.53	485322.07	25.05	PC, CONC.
70	510586.80	485345.74	25.07	PT, CONC.
71	510586.32	485349.95	25.07	PC, CONC.
72	510588.81	485353.08	25.07	PT, CONC.
73	510593.03	485353.56	25.05	PC, CONC.
74	510587.57	485351.52	25.25	GB, CONC.
75	510710.62	485035.05	24.77	ME, PC, EP
76	510720.57	485047.81	24.73	EP, BTM RAMP
77	510721.87	485054.31	24.68	EP
78	510721.96	485059.88	24.64	EP, ME
79	510733.48	485255.26	24.44	GB, CONC.
80	510719.02	485236.77	24.52	GB, CONC.
81	510725.53	485261.61	24.54	GB, CONC., <PT
82	510728.57	485265.42	24.48	PC, CONC.
83	510732.78	485265.91	24.42	PT, CONC.
84	510742.02	485258.58	24.78	BEGIN RC, EC
85	510748.46	485253.48	24.70	RC PC, EC
86	510749.99	485251.74	24.52	RC POC, GB, EC
87	510747.87	485242.88	23.76	RC PT, GB, EC
88	510745.34	485241.20	23.71	RC PC, EC
89	510739.69	485234.40	23.58	RC PT, EC
90	510724.11	485202.27	24.00	RC PC, EC
91	510718.53	485202.74	24.10	END RC PCC, EC
93	510705.34	485233.15	24.90	PCC, EC
94	510705.58	485236.55	24.90	PT, EC
95	510708.24	485239.89	24.85	GB, EC
96	510710.90	485243.23	24.80	GB, EC, <PT
100	510755.70	485257.65	24.20	EP, <PT
101	510768.50	485265.30	24.34	EP, GB
102	510747.49	485299.76	24.75	EP, GB
103	510722.12	485284.29	24.58	EP, GB
104	510751.06	485261.20	24.15	EP, CL CB
105	510746.80	485264.62	24.21	EP, END TRANS
106	510742.11	485268.35	24.28	EP, BEGIN TRANS
107	510686.50	485312.60	24.90	EP, GB
108	510666.55	485328.48	24.84	EP, GB

LAYOUT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
109	510661.88	485332.20	24.74	EP, <PT
110	510653.03	485334.02	24.60	EP, CL CB
111	510637.85	485337.17	24.67	EP, <PT
112	510579.23	485383.77	25.01	EP, PT, GB
113	510570.78	485390.49	25.07	EP, END
114	510566.71	485421.96	25.30	EP, GB, PC
115	510535.04	485417.44	24.13	EP, GB, SW
116	510529.67	485421.54	23.99	EP, GB, SW, ME
117	510914.22	485302.69	27.05	EP, ME, BEGIN TRANS
118	510909.77	485304.85	26.88	EP, BEGIN VG, PC
119	510895.24	485307.06	26.56	EP, PT
120	510880.64	485306.86	26.18	EP, PC
121	510864.04	485302.92	25.70	EP, PT, APRON
122	510849.71	485294.08	25.28	EP, BEGIN TRANS
123	510825.75	485279.27	24.63	EP, CL CB
124	510854.11	485296.80	25.40	EP, APRON, PC
125	510862.99	485304.63	25.70	EP, VG, PC APRON
126	510854.03	485313.67	25.56	EP, BEGIN RAMP
127	510844.44	485319.21	25.45	EP, BEGIN TRANS
128	510833.62	485322.27	25.32	EP, PCC
129	510830.24	485316.73	25.22	EP, PT
130	510836.48	485306.52	25.06	EP, <PT
131	510867.25	485347.95	27.34	EP, BEGIN RAMP
132	510828.78	485378.60	26.81	EP, BEGIN RAMP
133	510824.85	485381.73	26.74	EP, BEGIN VG
134	510820.16	485385.43	26.67	EP, GB
135	510729.45	485457.67	25.20	EP, GB, CL CB
136	510726.52	485460.00	25.21	EP, PC
137	510716.19	485465.55	25.25	EP, PT
138	510705.71	485468.90	25.28	EP, BEGIN RAMP
139	510630.87	485492.84	25.51	EP, PC
140	510588.04	485483.37	25.65	EP, BEGIN RAMP
141	510580.60	485475.64	25.68	EP, PT, GB, END CURB
142	510574.25	485480.50	25.06	EP, END SW, ME
143	510551.94	485418.51	24.72	RE
144	510618.65	485438.75	26.25	RE
145	510642.27	485442.73	26.67	GB
146	510717.12	485395.78	26.41	GB
147	510875.86	485341.09	27.33	EP, <PT, END
148	510825.17	485391.72	26.75	EP, BW

LAYOUT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
149	510853.97	485427.94	26.72	EP, <PT
150	510770.32	485494.60	26.74	EP, <PT
151	510741.43	485458.36	25.41	EP, BW
152	510660.01	485345.25	24.89	RE
153	510752.01	485233.63	23.10	EP, CL CB
154	510722.34	485105.96	24.28	EP, ME
155	510729.14	485194.32	23.91	TC, SW GB
156	510721.75	485197.78	24.07	TC, SW GB
157	510708.31	485194.54	24.34	TC, SW GB, BL
161	510700.06	485245.31	25.00	TC, GB, END TD
162	510688.67	485236.05	25.15	TC, GB SW, BL
163	510642.60	485307.71	25.04	TC, GB
164	510574.27	485377.57	25.16	TC, SW GB, <PT
165	510566.74	485368.11	25.10	TC, GB SW
166	510565.20	485366.18	25.08	TC, SW GB, PT
167	510566.15	485352.12	25.00	TC, END TD, GB, PC
173	510754.95	485188.50	23.93	ME, WATER CONNECT
176	510724.45	485205.79	23.96	YARD HYDRANT
201	510769.63	485174.46	--	STRIPE
202	510773.67	485188.79	--	STRIPE
203	510787.59	485199.32	--	STRIPE
204	510905.77	485271.66	--	STRIPE
205	510858.89	485287.51	--	STRIPE
206	510732.31	485063.15	--	STRIPE
207	510866.47	485272.14	--	STRIPE
208	510780.59	485217.12	--	STRIPE
209	510750.40	485142.50	--	STRIPE
210	510553.31	485412.18	--	STRIPE
211	510564.13	485426.56	--	STRIPE
212	510568.01	485472.27	--	STRIPE
301	510566.70	485400.93	25.13	RAMP BL END
302	510535.10	485362.03	21.34	RAMP BL PT
303	510479.58	485314.75	9.01	RAMP BL PC
304	510387.63	485261.87	-4.00	RAMP BL BEGIN
305	510553.01	485367.53	24.00	FG, GB
306	510543.68	485356.93	21.70	FG
307	510539.89	485334.32	14.14	FG, ME
308	510504.36	485308.19	7.10	FG, ME
309	510493.58	485312.50	10.99	FG, GB
310	510480.22	485331.33	10.00	FG, GB

LAYOUT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
311	510461.86	485291.39	4.88	FG
312	510446.88	485279.68	2.68	FG, ME
313	510397.99	485248.65	-4.00	FG, ME
314	510540.42	485377.86	23.95	FG, ME
315	510553.52	485394.44	24.62	FG, EC
316	510540.55	485405.11	24.10	FG, EC
317	510531.41	485412.67	23.92	FG, ME, BL
318	510488.24	485320.03	10.72	FG, GB, POC BL
319	510514.91	485367.03	10.72	FG, GB
500	510711.50	485179.76	24.26	RAIL BL, TC, PC
501	510712.15	485159.64	24.34	RAIL BL, TC, <PT
502	510713.71	485149.70	24.38	RAIL BL, TC, <PT
503	510558.56	485345.30	25.15	RAIL BL, TC, PC
504	510566.09	485384.07	25.01	END RAIL BL, TC
505	510556.93	485372.33	25.15	RAIL BL, TC, PC
506	510654.57	485269.11	25.04	RAIL BL, TC, ME
507	510631.15	485287.73	25.06	RAIL BL, TC, ME
508	510712.34	485048.82	24.69	BEGIN RAIL BL, TC
509	510712.98	485061.37	24.65	RAIL BL, TC, <PT
510	510697.91	485221.08	24.85	RAIL BL, TC, PCC
511	510673.52	485252.76	25.15	RAIL BL, TC, PT
512	510664.59	485260.78	25.14	RAIL BL, TC, <PT
513	510553.39	485355.94	25.15	RAIL BL, TC, PT
514	510553.12	485359.29	25.15	RAIL BL, TC, PC
515	510564.18	485381.59	25.00	RAIL BL, TC, END RAIL

TABLE ABBREVIATIONS:

- <PT= ANGLE POINT
- BL= BASELINE
- BTM= BOTTOM
- BW= BACK OF WALK
- CL= CENTERLINE
- CONC= CONCRETE
- EC= EDGE OF CONCRETE
- EP= EDGE OF PAVEMENT
- GB= GRADE BREAK
- ME= MATCH EXISTING
- PC= POINT OF CURVATURE
- PCC= POINT OF COMPOUND CURVE
- PT= POINT OF TANGENCY
- POC= POINT ON CURVE
- RAIL= RAILING
- RC= RETAINING CURB
- RE= RIM ELEVATION
- SW= SEAWALK/SIDEWALK
- TC= TOP OF CURB
- TD= TRENCH DRAIN
- TRANS= TRANSITION
- VG= VALLEY GUTTER



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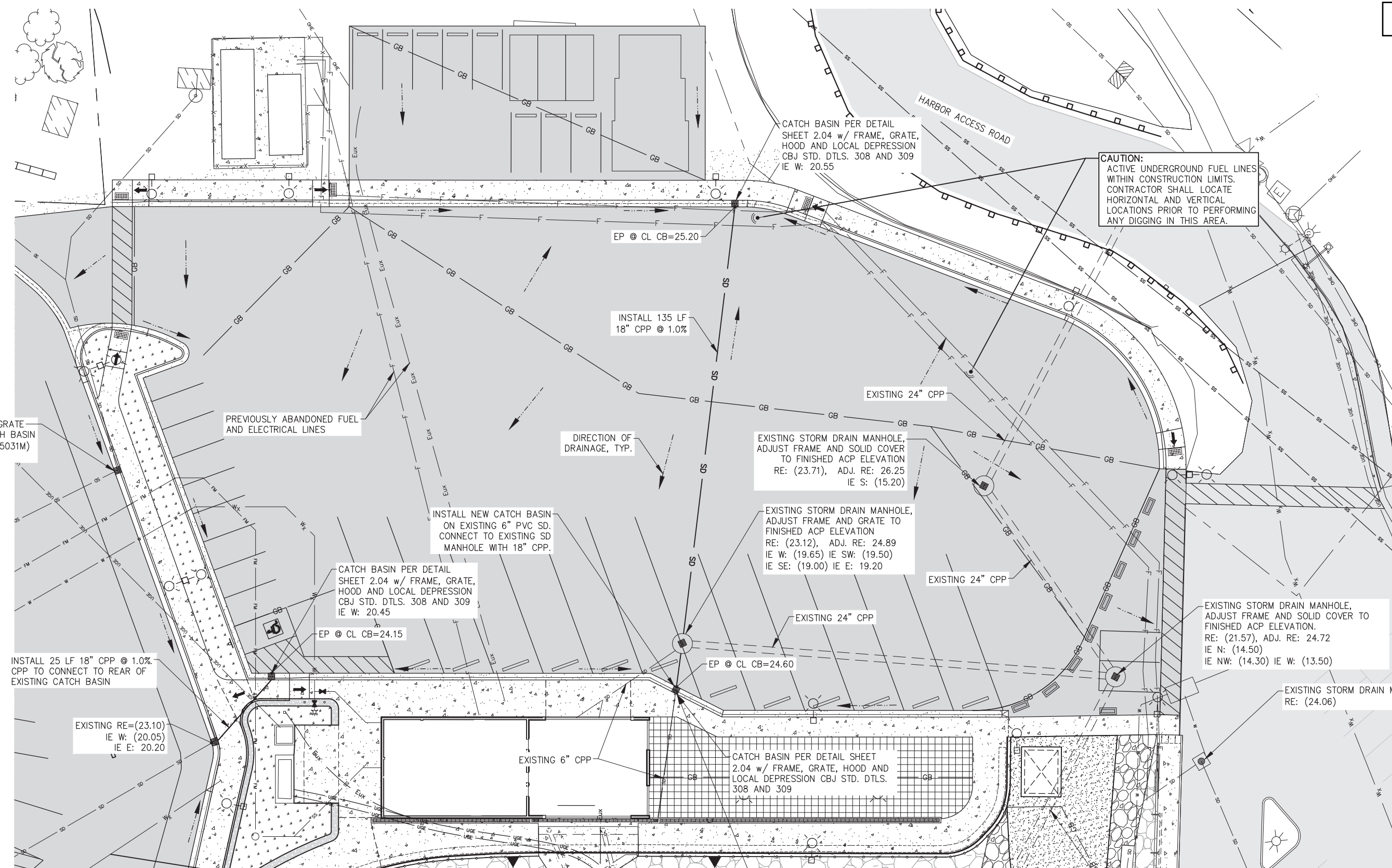
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REVIEW**

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STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**GRADING POINTS AND  
LAYOUT TABLES**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250



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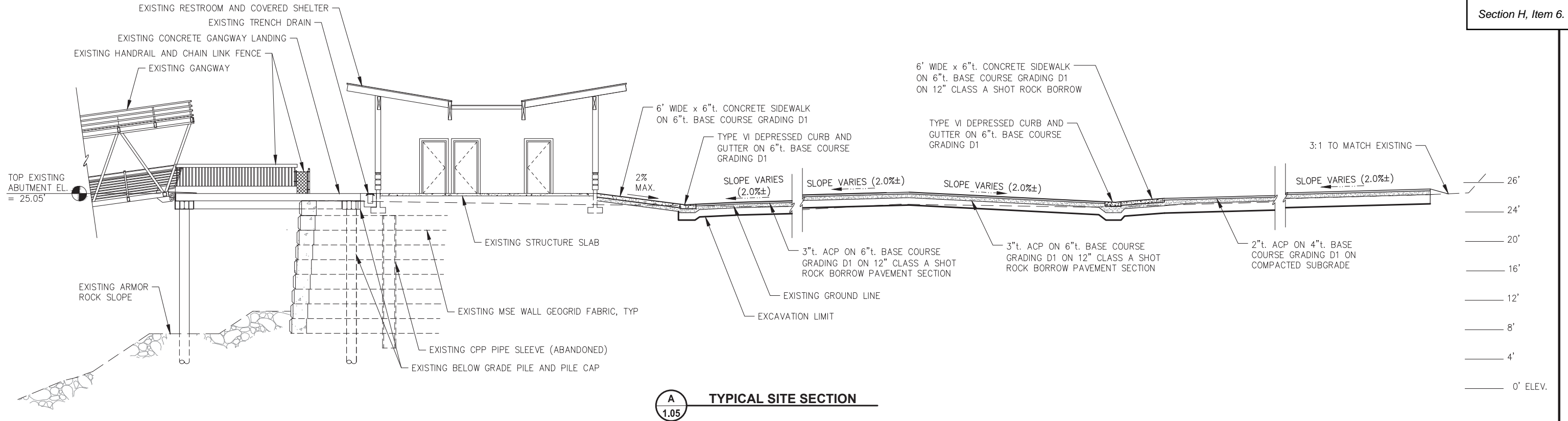
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**CBJ CONTRACT NO. DH25-023**

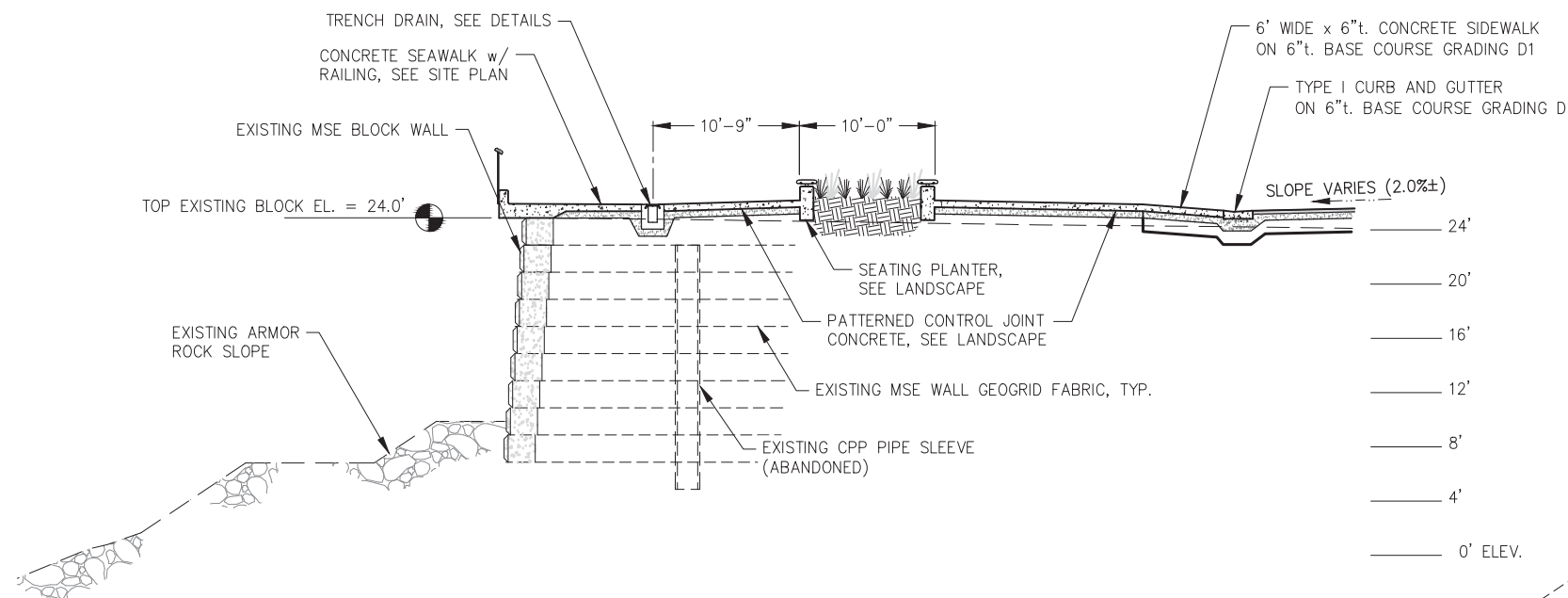
SHEET TITLE:  
**STORM DRAIN PLAN**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

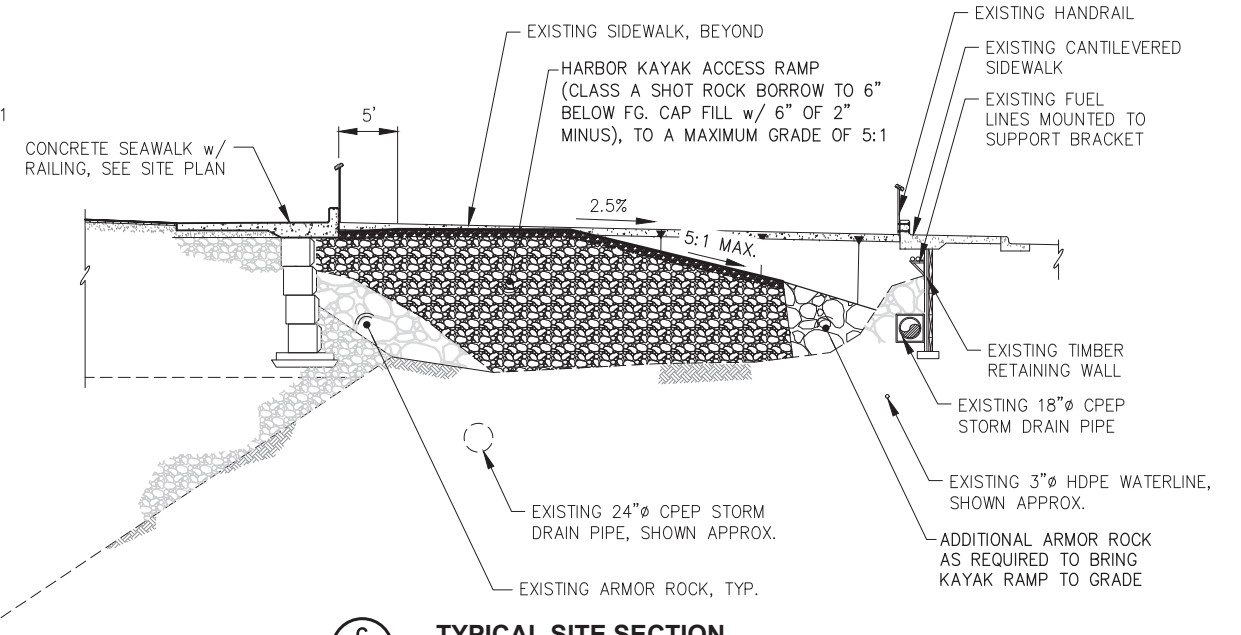




**A**  
1.05  
**TYPICAL SITE SECTION**



**B**  
1.05  
**TYPICAL SITE SECTION**



**C**  
2.02  
**TYPICAL SITE SECTION**  
SEE SHEET 2.02, KAYAK LAUNCH RAMP PLAN AND PROFILE, FOR ADDITIONAL DETAIL.



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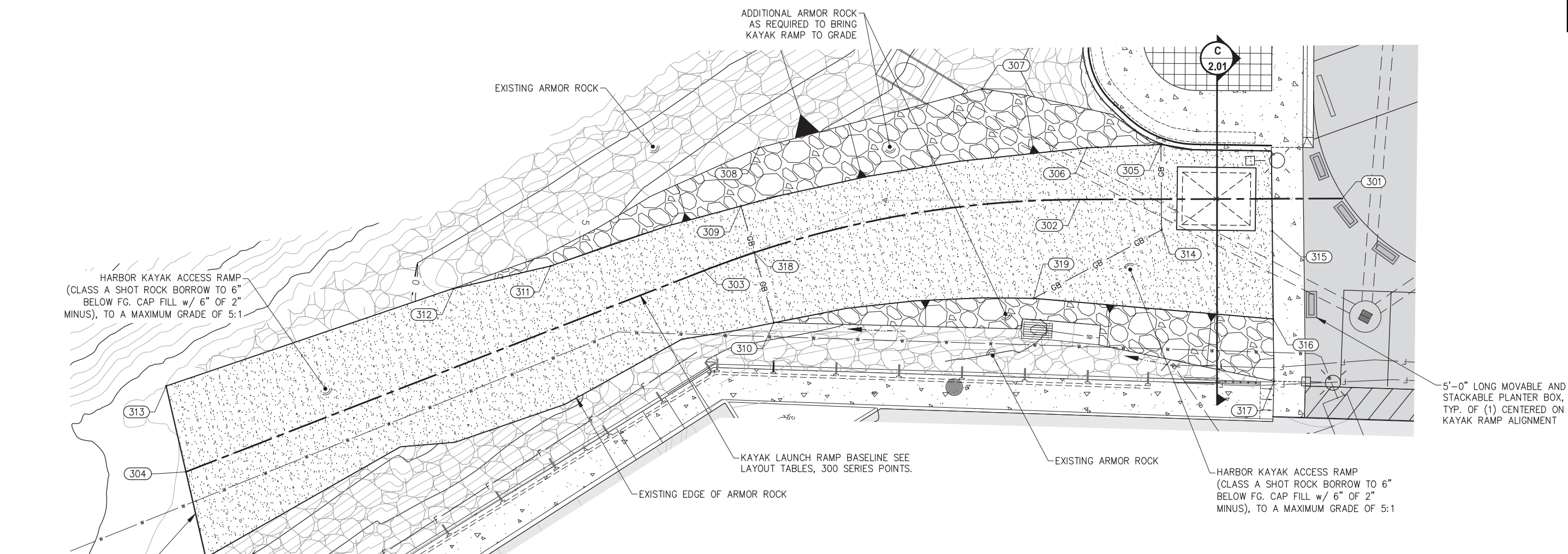
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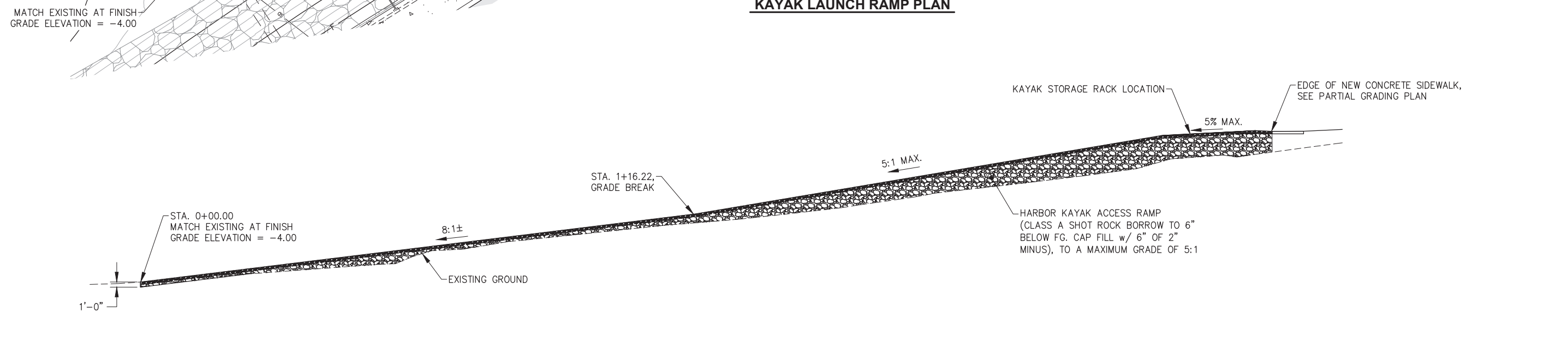
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SHEET TITLE:  
**SITE SECTIONS**

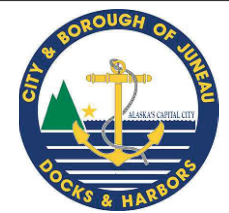
PND PROJECT NO.: 182069    C.A.N. NO.: AECC250



**KAYAK LAUNCH RAMP PLAN**



**KAYAK LAUNCH RAMP BASELINE PROFILE**



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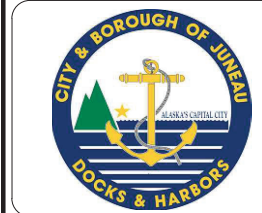
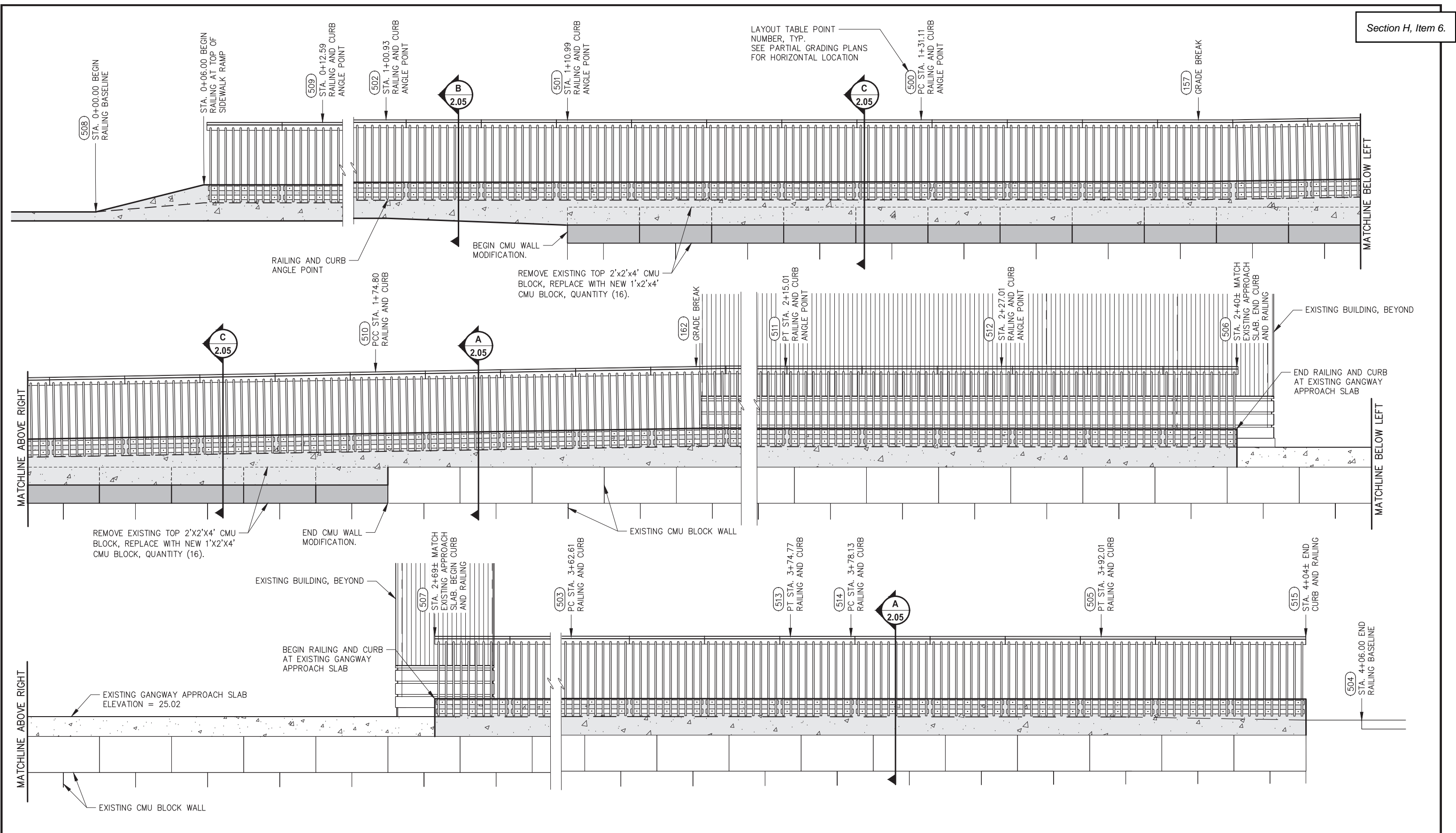
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SHEET TITLE:  
**KAYAK LAUNCH RAMP  
PLAN AND PROFILE**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250



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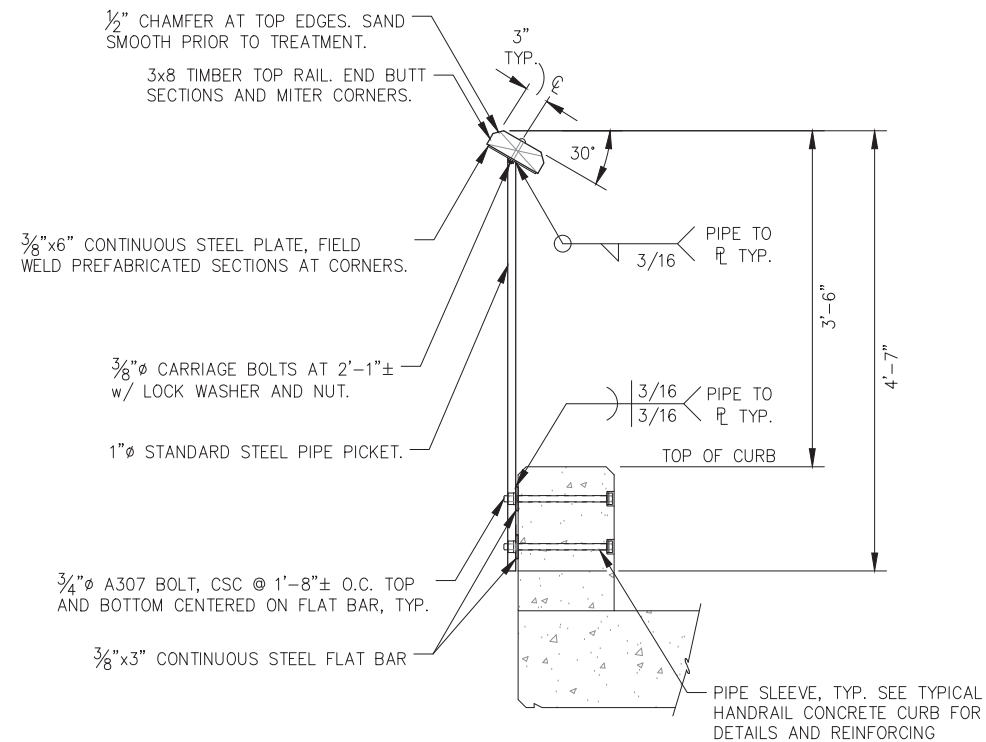
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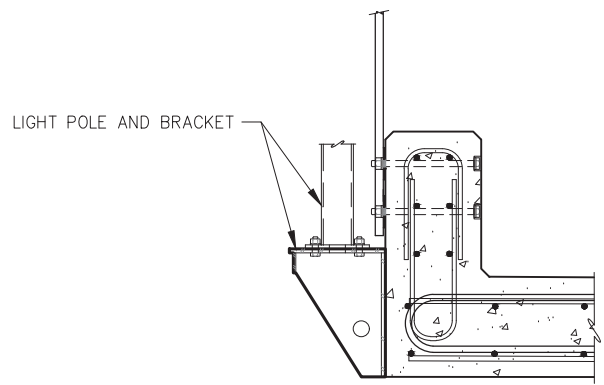
SHEET TITLE:  
**RAILING ELEVATION**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

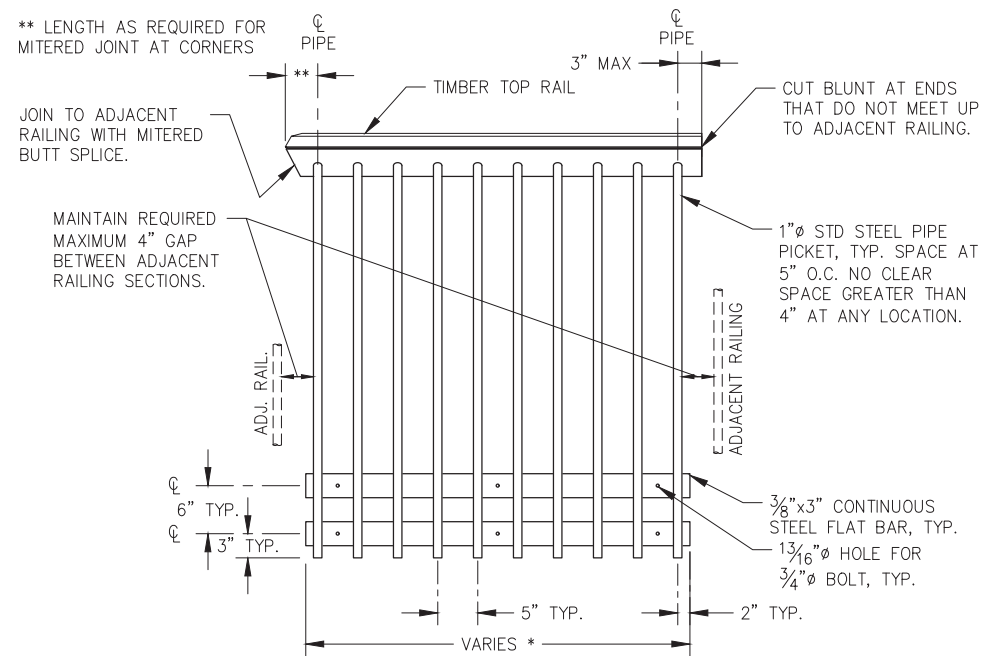




**A TYPICAL RAILING SECTION**



**E TYPICAL LIGHT POLE BRACKET**



**B TYPICAL HANDRAIL DETAIL**



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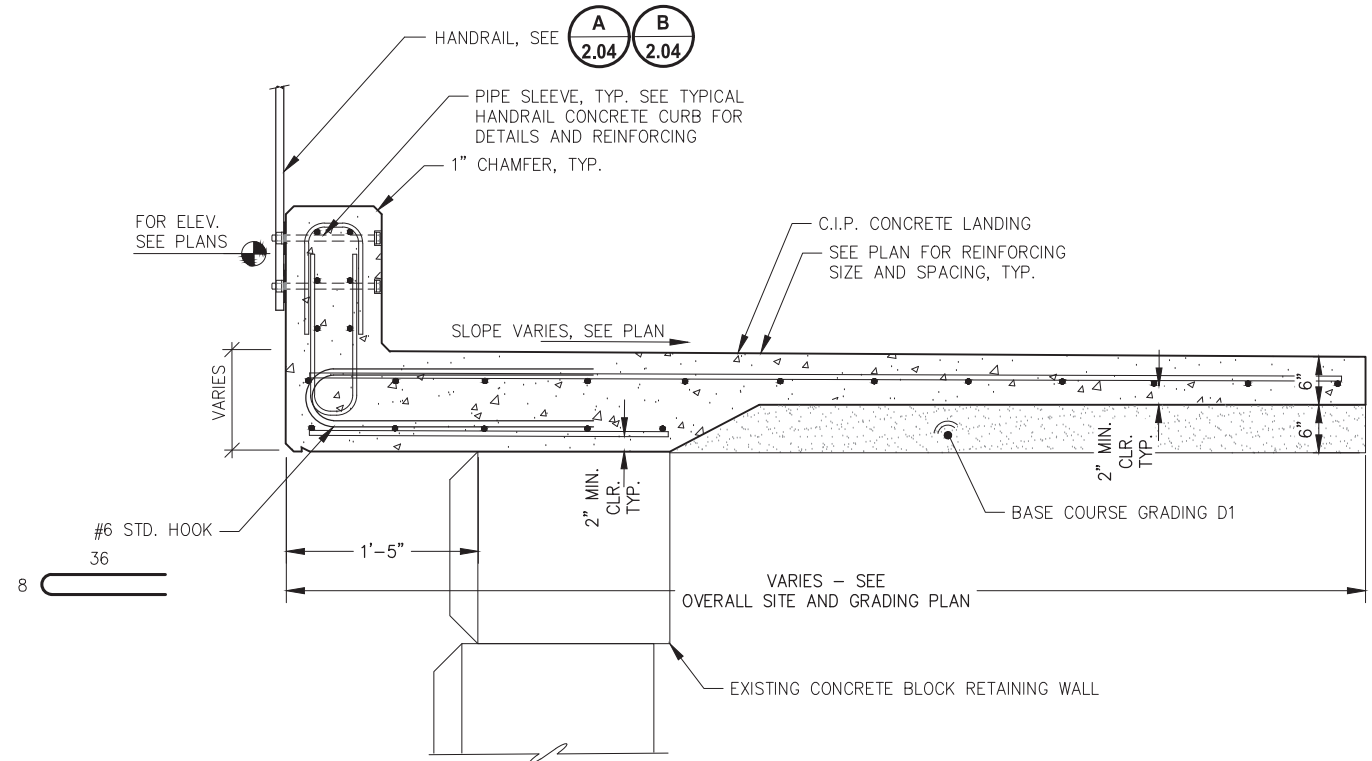
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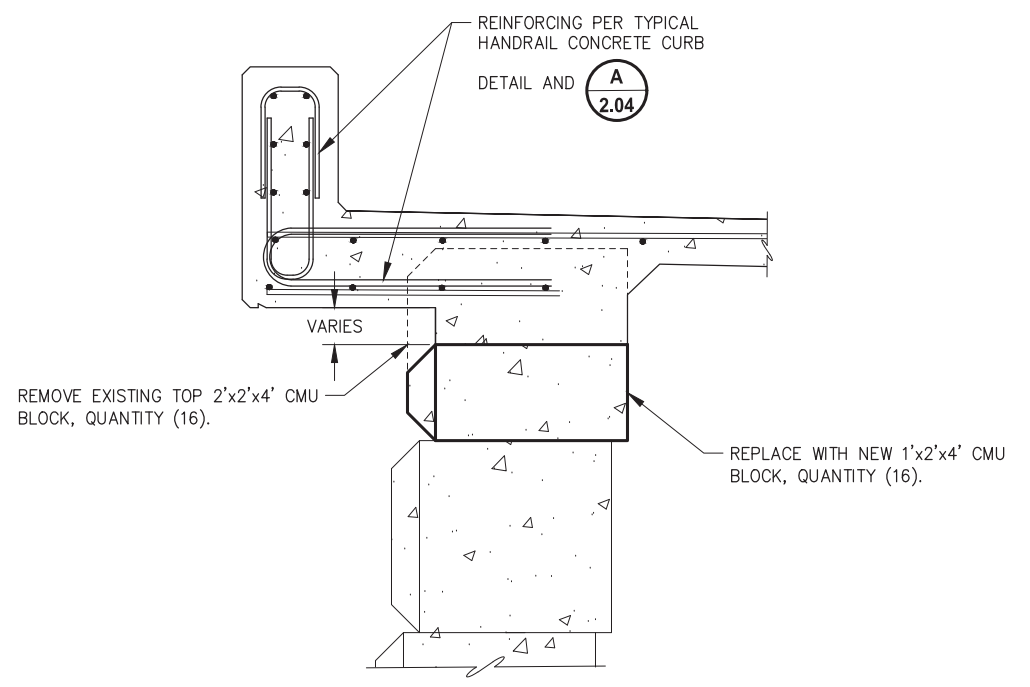
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CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**SITE DETAILS**

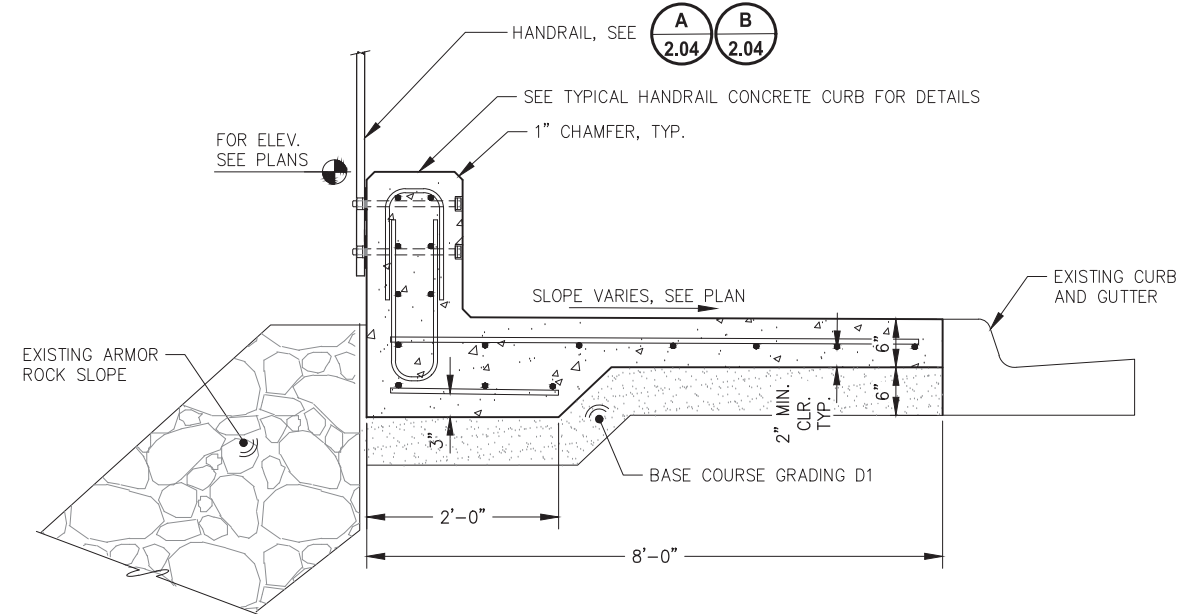
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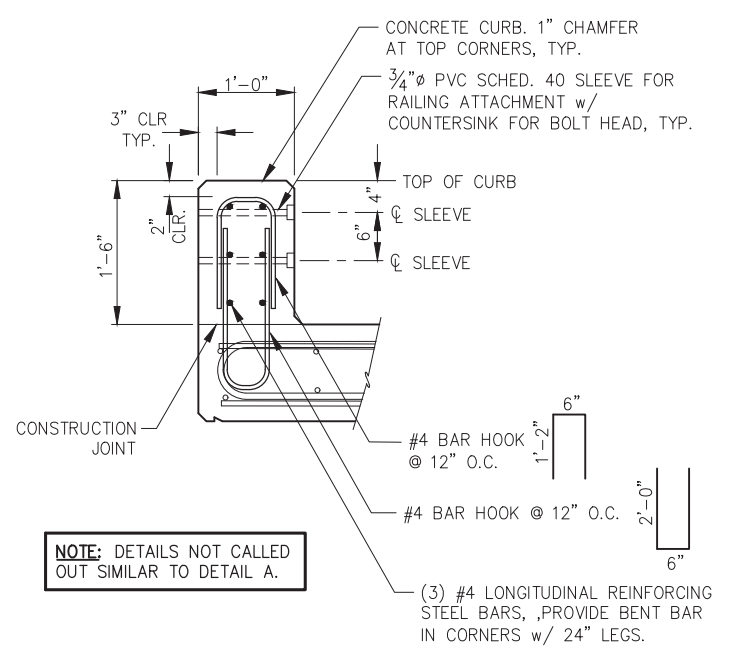
**A A CONCRETE SEAWALK WITH RAILING**  
1.05 2.03



**C CMU WALL MODIFICATION DETAIL**  
2.03



**B B CONCRETE SIDEWALK WITH RAILING**  
1.05 2.03



NOTE: DETAILS NOT CALLED OUT SIMILAR TO DETAIL A.

**TYPICAL HANDRAIL CONCRETE CURB**



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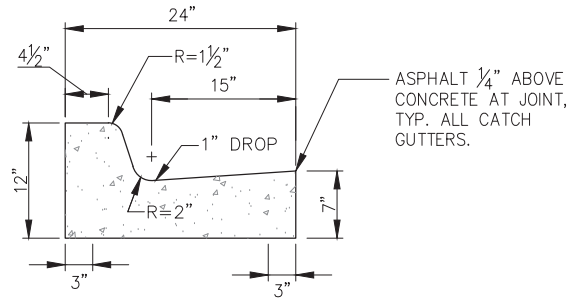
SHEET TITLE:  
**SITE DETAILS**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

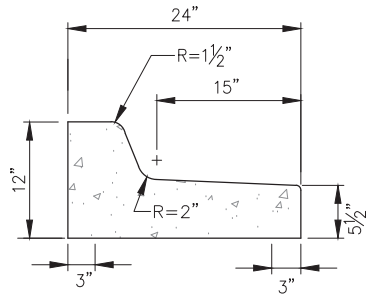


**GENERAL CURB & GUTTER NOTES:**

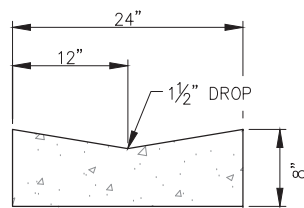
1. THE VERTICAL MATCH POINT FOR ALL CURB AND GUTTER TRANSITIONS SHALL BE THE FLOWLINE.
2. CURB AND GUTTER TRANSITIONS SHALL BE GRADUAL OVER A MIN DISTANCE OF 6 LF PER ENGINEER DIRECTION.
3. ALL STEEL MUST HAVE A MINIMUM OF 2" OF CONCRETE COVER.
4. ALL JOINTS AND SEAMS SHALL BE TOOLED AND EDGED, SEE SERIES 6 FOR CONTROL JOINT DTL.
5. STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING OF ALL SURFACES.
6. CONCRETE INTERNATIONAL CORPORATION ASHFORD FORMULA OR APPROVED EQUAL SHALL BE APPLIED AS A CURING COMPOUND. APPLICATION SHALL EXPLICITLY CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.
7. BED ALL TYPES OF CURB AND GUTTER W/ 6"t. MIN LAYER OF BASE COURSE GRADING D-1, ALL AROUND.
8. SUBBASE MATERIALS SHALL BE PER APPLICABLE FILL SECTION, EXCEPT AS NOTED.
9. CURBS SHALL HAVE POLY-FIBER REINFORCEMENT UNO, SEE SPECIFICATIONS.



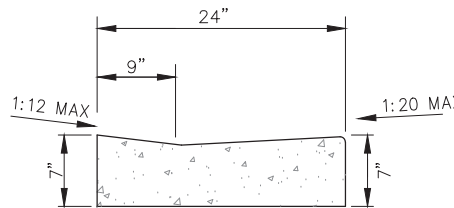
**TYPE I CURB AND GUTTER  
STANDARD CATCH**



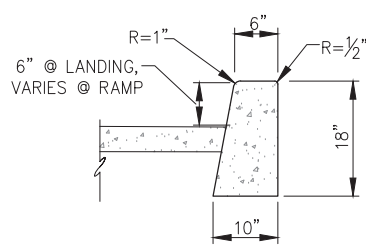
**TYPE II CURB AND GUTTER  
STANDARD SPILL**



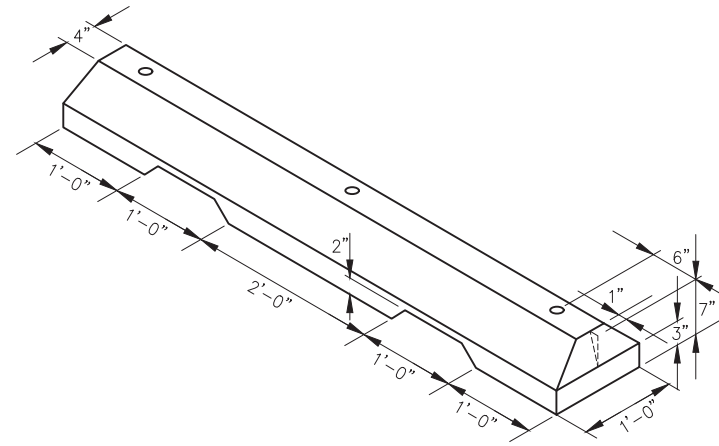
**TYPE III VALLEY GUTTER**



**TYPE IV DEPRESSED CURB  
(FOR ADA PURPOSES)**

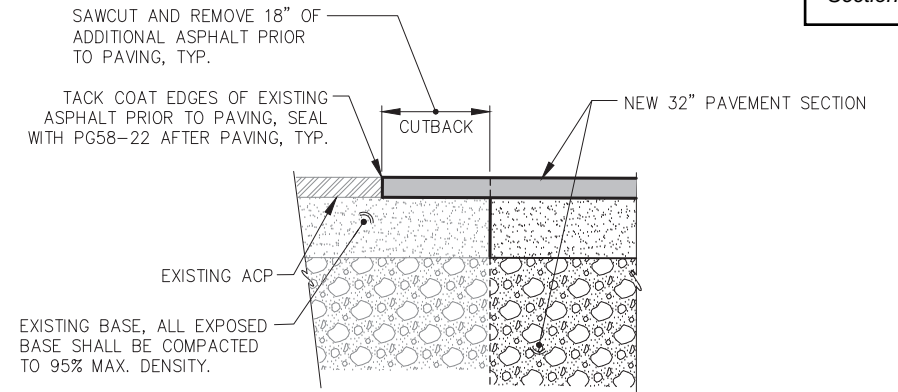


**TYPE V BACKING CURB**

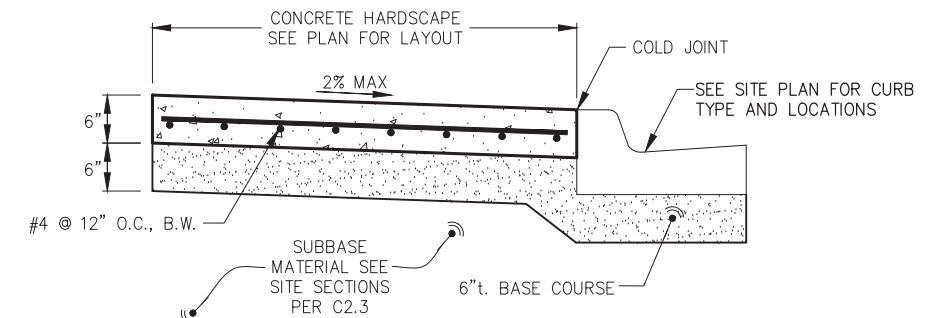


**REMOVABLE CONCRETE WHEEL STOP DETAIL**

( QUANTITY: 20 REQ'D. )



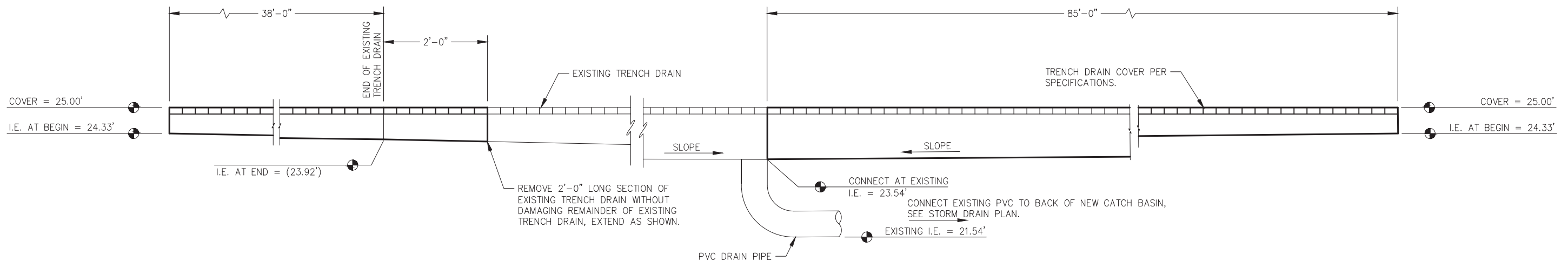
**AC PAVEMENT MATCH**



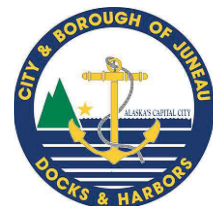
**SIDEWALK/HARDSCAPE NOTES:**

1. ALL JOINTS SHALL BE EDGED.
2. EXPANSION JOINTS SHALL BE MAX 1/2", MIN 1/4", WITH NO GAPS FOR WATER INTRUSION.
3. STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING ON ALL SURFACES.
4. CONCRETE INTERNATIONAL CORPORATION ASHFORD FORMULA OR APPROVED EQUAL SHALL BE APPLIED AS A CURING COMPOUND. APPLICATION SHALL CONFORM TO THE MANUFACTURERS INSTRUCTIONS.

**CONCRETE SIDEWALK/HARDSCAPE SECTION**



**TRENCH DRAIN PROFILE**



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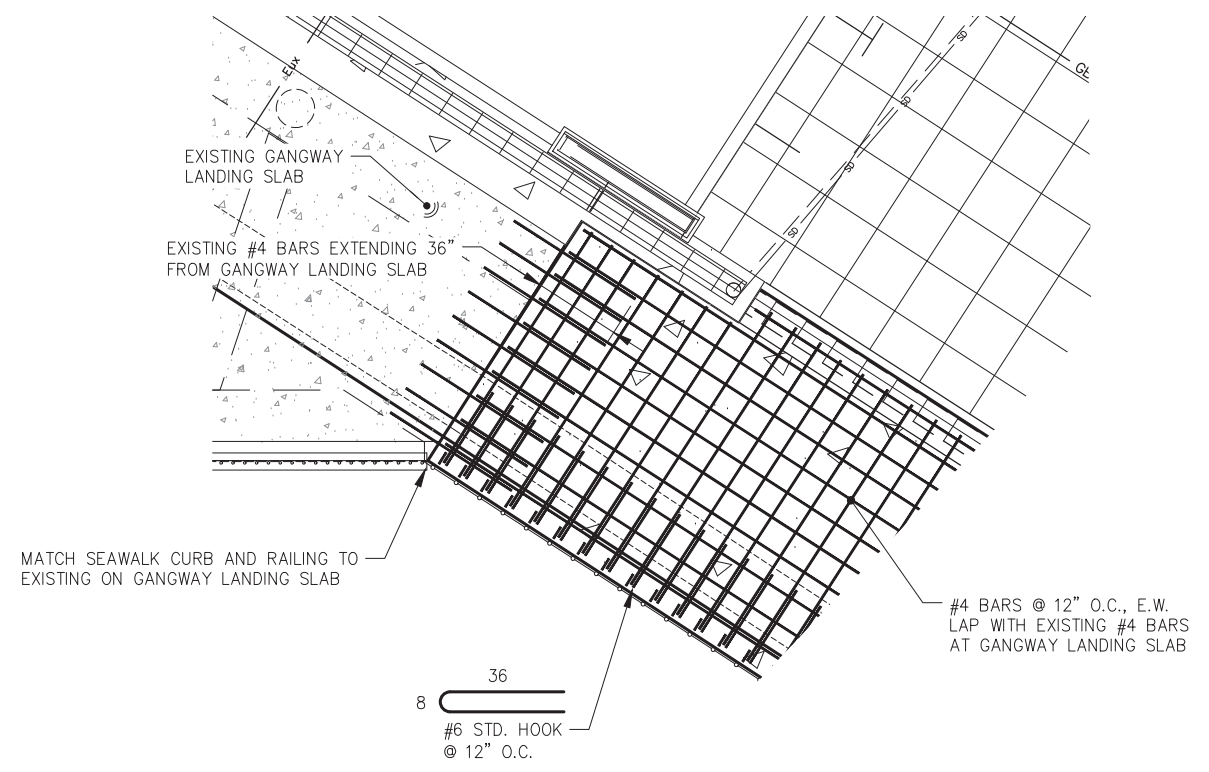
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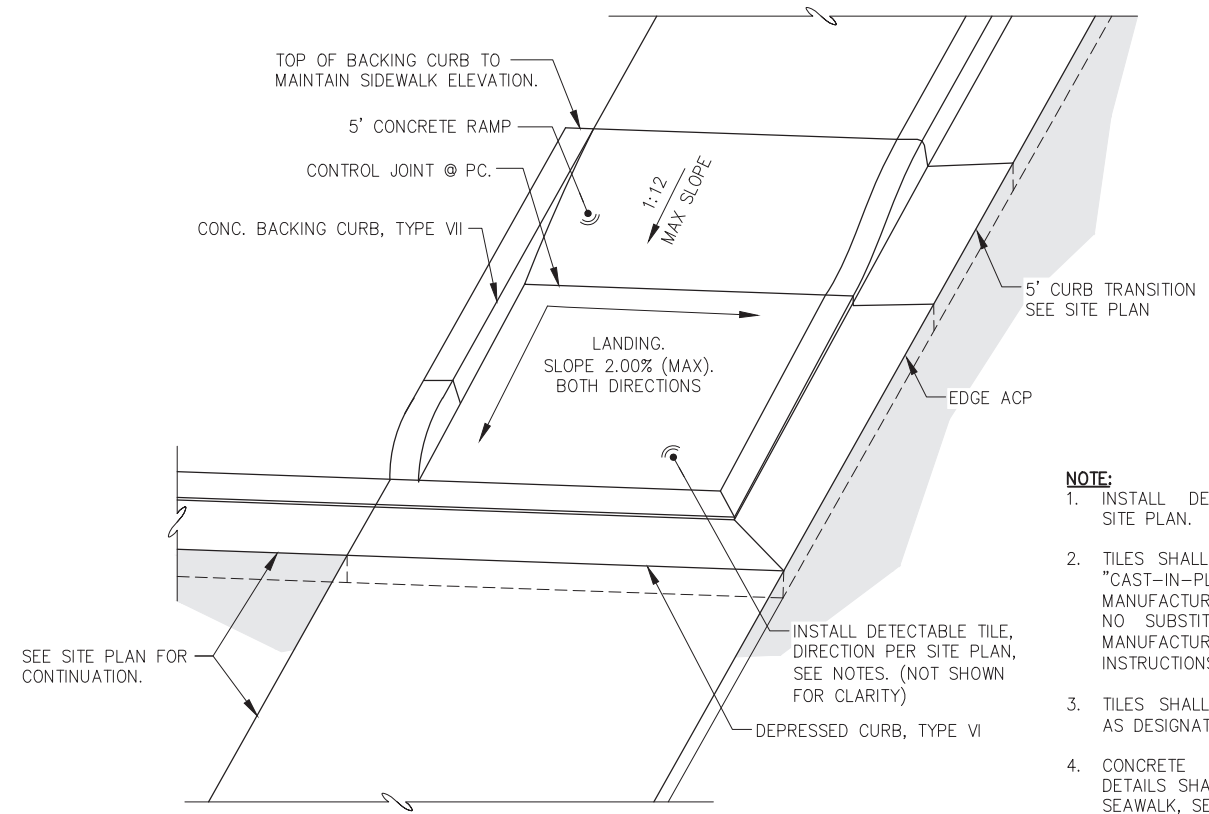
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CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**SITE DETAILS**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

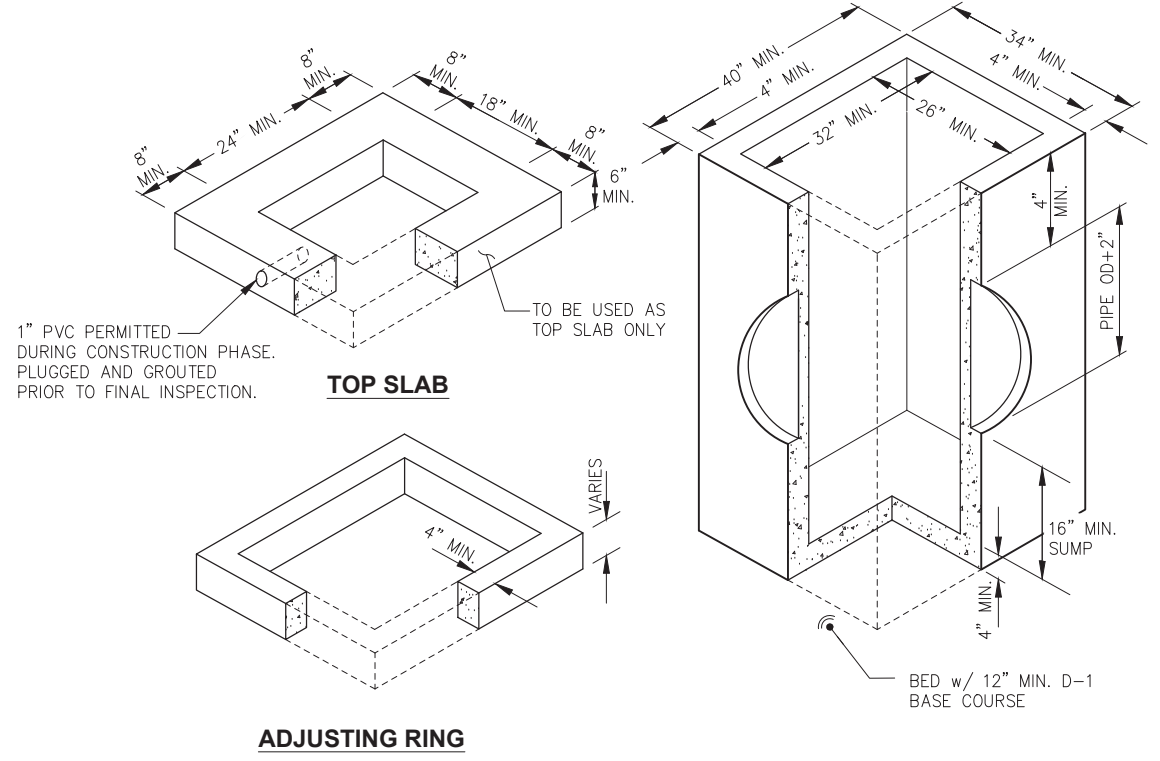


**SEAWALK CONNECTION**

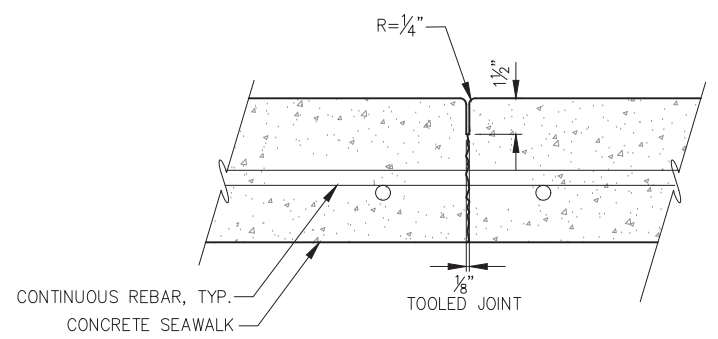


**SIDEWALK RAMP w/ LANDING DETAIL**

- NOTE:**
1. INSTALL DETECTABLE TILES PER SITE PLAN.
  2. TILES SHALL BE BLACK IN COLOR, "CAST-IN-PLACE REPLACEABLE" AS MANUFACTURED BY ADA SOLUTIONS, NO SUBSTITUTIONS. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  3. TILES SHALL BE 2'x4' OR RADIUS AS DESIGNATED, SEE SITE PLAN.
  4. CONCRETE RAMP AND LANDING DETAILS SHALL BE SIMILAR TO THE SEAWALK, SEE SERIES 6.

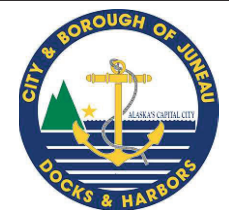


**STORM SEWER CATCH BASIN DETAIL**



- NOTES:**
1. ALL JOINTS SHALL BE TOOLED AS SHOWN.

**CONTROL JOINT DETAIL**



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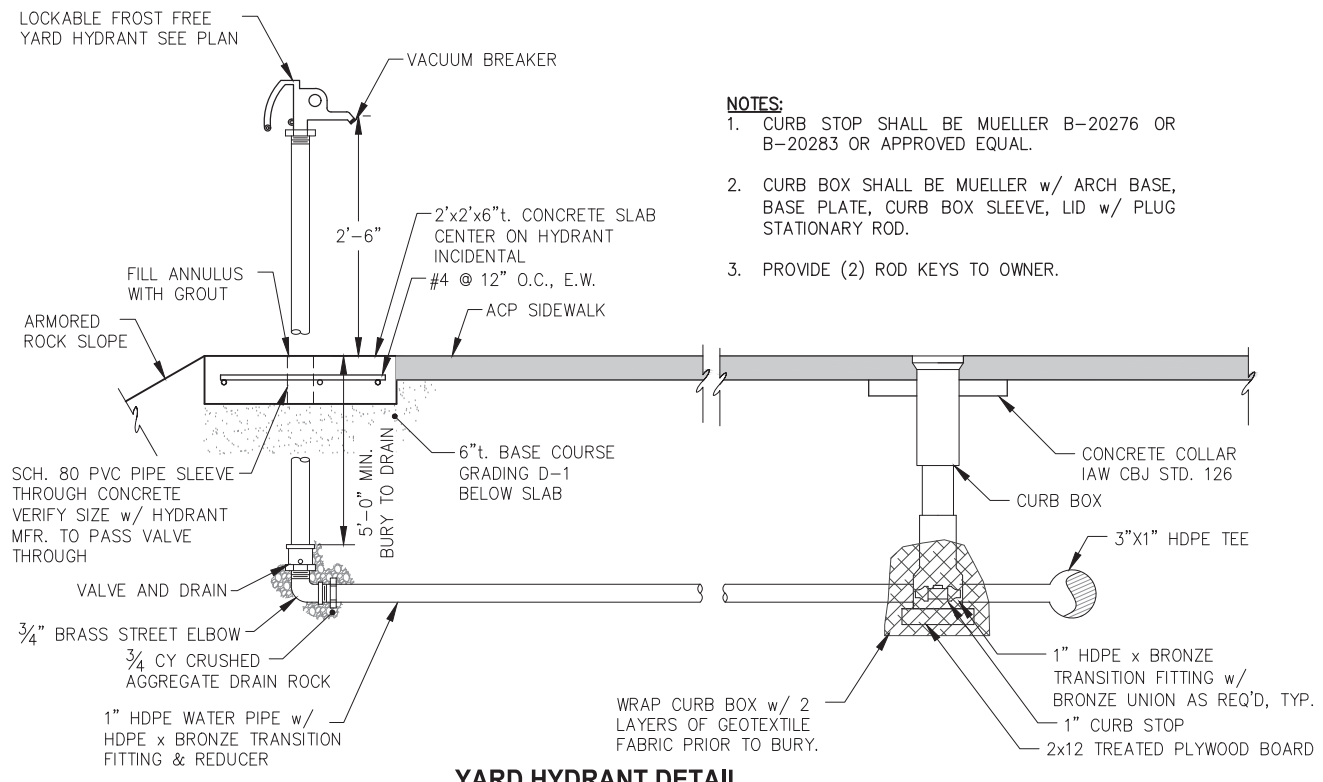
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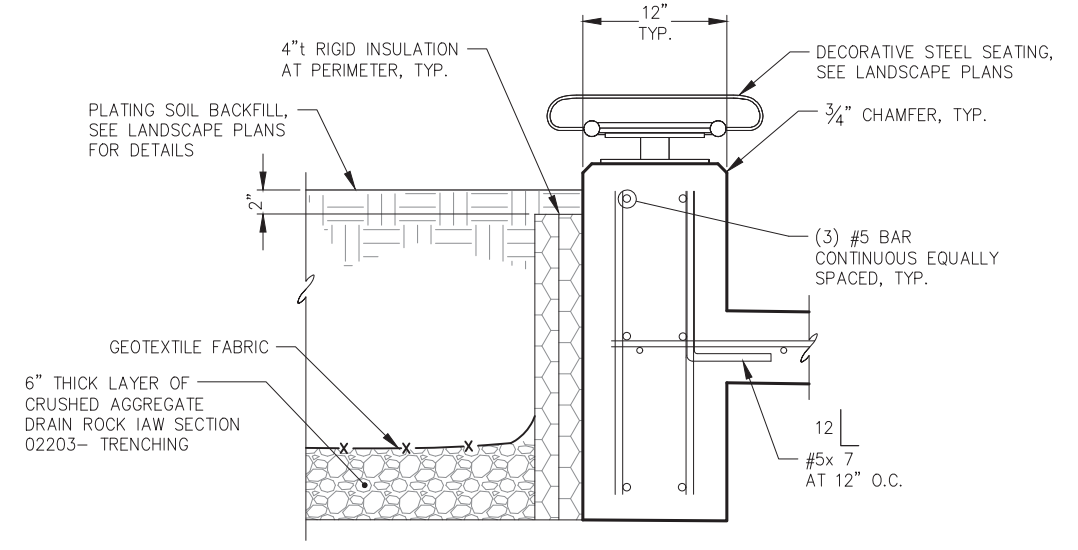
SHEET TITLE:  
**SITE DETAILS**

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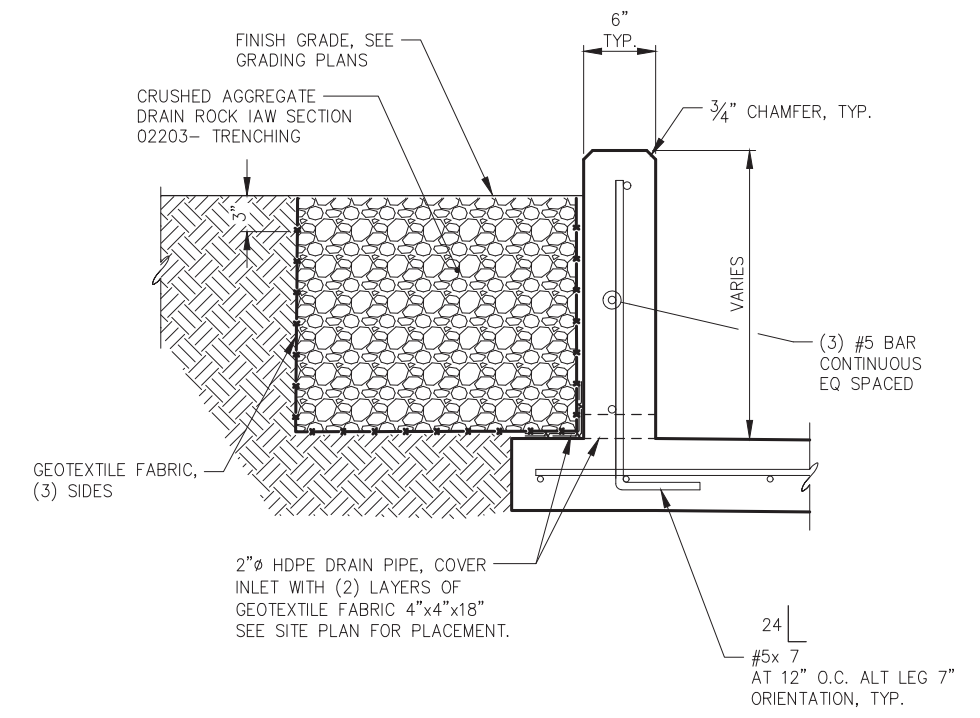


- NOTES:**
1. CURB STOP SHALL BE MUELLER B-20276 OR B-20283 OR APPROVED EQUAL.
  2. CURB BOX SHALL BE MUELLER w/ ARCH BASE, BASE PLATE, CURB BOX SLEEVE, LID w/ PLUG STATIONARY ROD.
  3. PROVIDE (2) ROD KEYS TO OWNER.

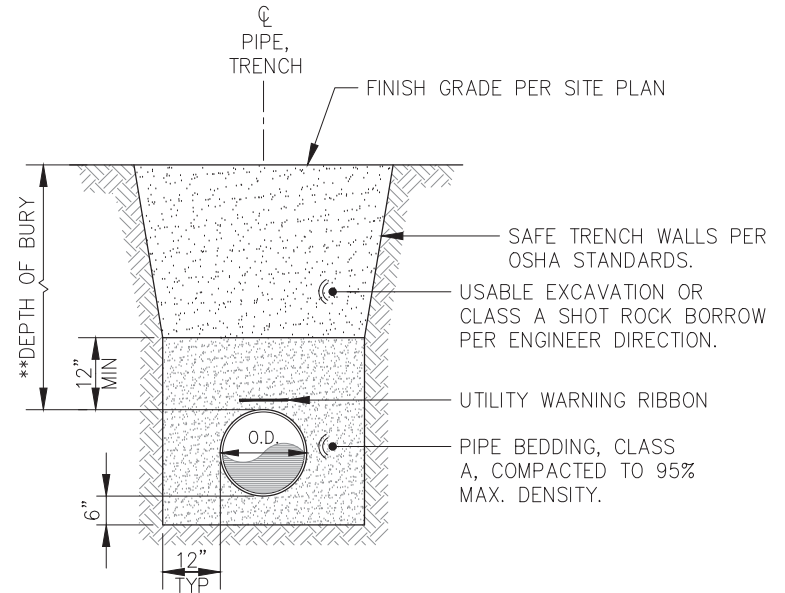
**YARD HYDRANT DETAIL**



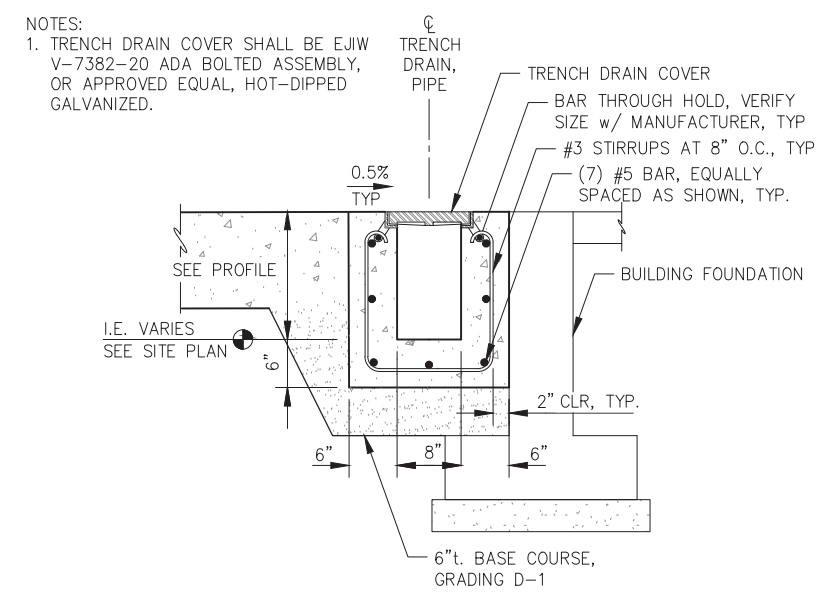
**A PLANTER TYPICAL DETAIL**



**B RETAINING CURB AT UTILITY ISLAND**



**PIPE TRENCH - TYPICAL SECTION**



**TRENCH DRAIN AT BUILDING FOUNDATION**

- NOTES:**
1. TRENCH DRAIN COVER SHALL BE EJIW V-7382-20 ADA BOLTED ASSEMBLY, OR APPROVED EQUAL, HOT-DIPPED GALVANIZED.



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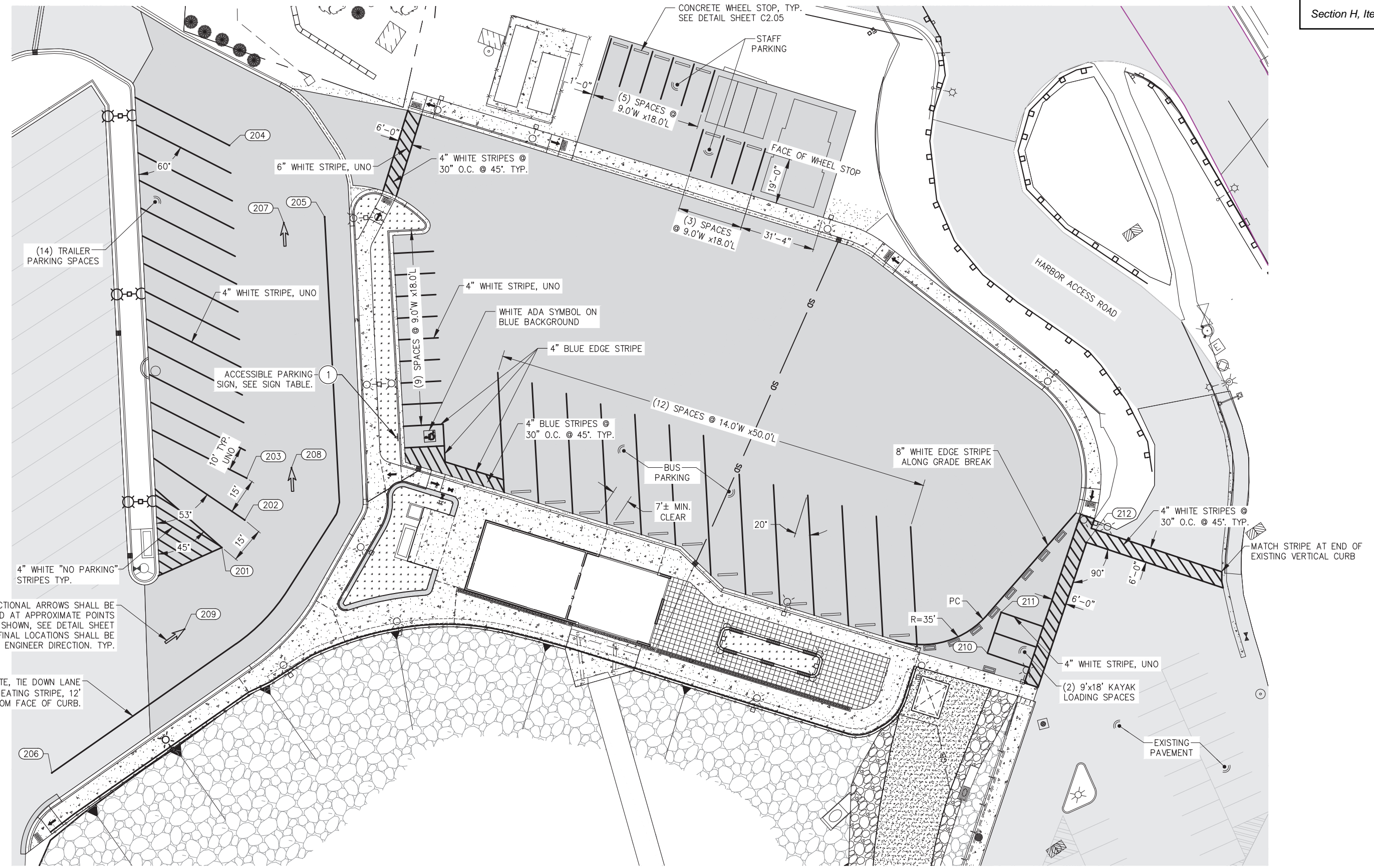
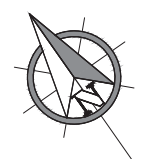
DATE: 12/03/2024

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SHEET TITLE:  
**SITE DETAILS**

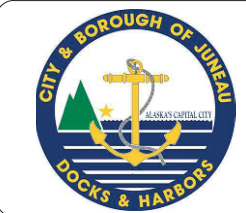
PND PROJECT NO.: 182069 C.A.N. NO.: AECC250





DIRECTIONAL ARROWS SHALL BE LOCATED AT APPROXIMATE POINTS AS SHOWN, SEE DETAIL SHEET 3.02. FINAL LOCATIONS SHALL BE PER ENGINEER DIRECTION. TYP.

8" WHITE, TIE DOWN LANE DELINEATING STRIPE, 12' OFFSET FROM FACE OF CURB.



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REVIEW**

DATE: 12/03/2024

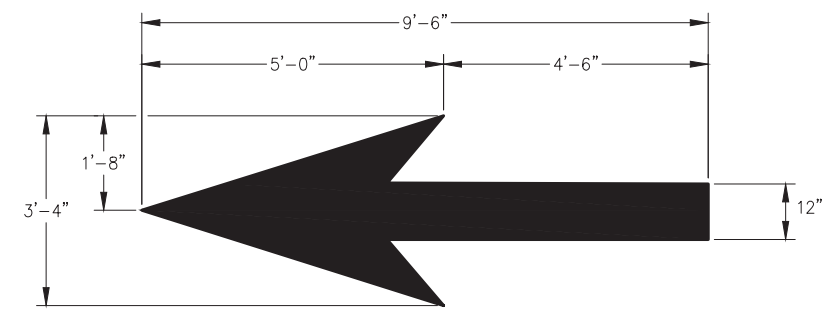
**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
CBJ CONTRACT NO. DH25-023

SHEET TITLE:  
**STRIPING PLAN**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

SIGN SCHEDULE						
SIGN NO.	MUTCD CODE NO.	DESCRIPTION	SIGN SIZE (INCH)	POST SIZE (INCH)	NORTHING	EASTING
①	R7-8	RESERVED PARKING	12 x 18	2.0" SQUARE PERFORATED TUBE		

- NOTES:**
- MUTCD CODE NO. FROM U.S. DOT FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", DECEMBER 2023
  - SIGNS AND SIGN POSTS SHALL BE PROVIDED & INSTALLED IAW CBJ STANDARD 127A.



**THROUGH LANE-USE ARROW**  
(QUANTITY: 3)

**NOTE:**  
ARROWS TO BE LOCATED AT APPROXIMATE LOCATION SHOWN ON SIGNING AND STRIPING PLAN. EXACT LOCATION TO BE DETERMINED IN FIELD AS INSTRUCTED BY ENGINEER.



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

**P | N | D**  
ENGINEERS, INC.

9360 Glacier Highway Ste 100  
Juneau, Alaska 99801  
Phone: 907-586-2093  
Fax: 907-586-2099  
www.pndengineers.com

DESIGN: BMI    CHECKED: CRS    SCALE:  
DRAWN: WRB    APPROVED: \_\_\_\_\_

**65%  
DESIGN  
REVIEW**

DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
CBJ CONTRACT NO. DH25-023

SHEET TITLE:  
**STRIPING AND SIGNAGE DETAILS**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

### LUMINAIRE SCHEDULE

TYPE	LOAD	DESCRIPTION	MANUFACTURER	MODEL NUMBER	DRIVER	NOTES
A	95W	POLE MOUNT LED SITE LIGHT, DIE-CAST LOW-COPPER ALUMINUM HOUSING, CLEAR GLASS LENS, TYPE IV DISTRIBUTION, INTEGRAL ELECTRONIC DRIVER, BLACK FINISH, FIXTURE MOUNT OCCUPANCY SENSOR, 20% HIGH/LOW DIMMING	KIM LIGHTING	ISA-WP9SA2-54L-405-3K7-4-CLR-BC-VSF-U NV-BLT-SCH-S	120-277V	
B1	27W	POLE MOUNT ARCHITECTURAL LED, ALUMINUM HOUSING, TYPE II DISTRIBUTION, INTEGRAL 0-10V DIMMABLE DRIVER, 2800 LUMENS, BLACK FINISH, POLE MOUNT OCCUPANCY SENSOR	BEACON	CAP-21-24NB-27-3K-T2-UNV-3RNW-BBT	120-277V	
B2	55W	POLE MOUNT ARCHITECTURAL LED, ALUMINUM HOUSING, TYPE IV DISTRIBUTION, INTEGRAL 0-10V DIMMABLE DRIVER, 5100 LUMENS, BLACK FINISH, POLE MOUNT OCCUPANCY SENSOR	BEACON	CAP-21-24NB-55-3K-T4-UNV-3RNW-BBT	120-277V	
POLE P1		10' TALL 4" DIAMETER ROUND STEEL POLE, HOT DIP GALVANIZED, OPEN TOP, BLACK FINISH	KW INDUSTRIES	RSP10-4-11-KZ21-DM10	--	
POLE P2		10' TALL 4" DIAMETER ROUND STEEL POLE, HOT DIP GALVANIZED, OPEN TOP, BLACK FINISH, BASE COVER  MOUNTING ARM, LOW-COPPER ALUMINUM ALLOY, BLACK FINISH	KW INDUSTRIES  BEACON AA-39-S-4-X-P-BBT	RSP10-4-11-KZ21-DM2180	--	
POLE P3		20' TALL 4"x4" SQUARE STEEL POLE, HOT DIP GALVANIZED, BLACK FINISH	KW INDUSTRIES	SSP20-4-11-KZ21-2	--	

**NOTES**

1. PROVIDE FOR RECEPTACLES IN POLES WHERE NOTED ON SITE PLAN.

### ABBREVIATIONS

DIA	DIAMETER
GFI	GROUND FAULT INTERRUPTED
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
XFMR	TRANSFORMER
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
GRS	GALVANIZED RIGID STEEL
(E)	EXISTING TO REMAIN
(N)	NEW
MIN	TYPICAL
W/	MINIMUM
NO.	WITH NUMBER

### LEGEND

	DATA: PARKING KIOSK
	SECURITY CAMERA
	LIGHTING: EXTERIOR POLE MOUNTED LUMINAIRE
	POWER: DUPLEX RECEPTACLE, 18" AFG UON.
	HANDHOLE
	TRANSFORMER
	POLE MOUNT TRANSFORMER
	GROUND ROD
	CIRCUIT BREAKER
	SWITCH OR DISCONNECT
	CONTACT

### REVISIONS

REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.



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SCALE:

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REVIEW**

DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA  
STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023**

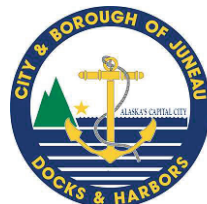
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**SCHEDULE AND SYMBOLS**

PND PROJECT NO.: 182069

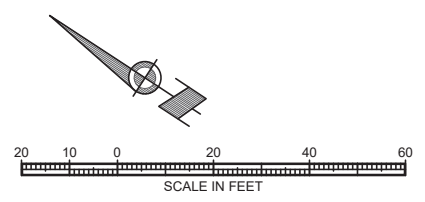
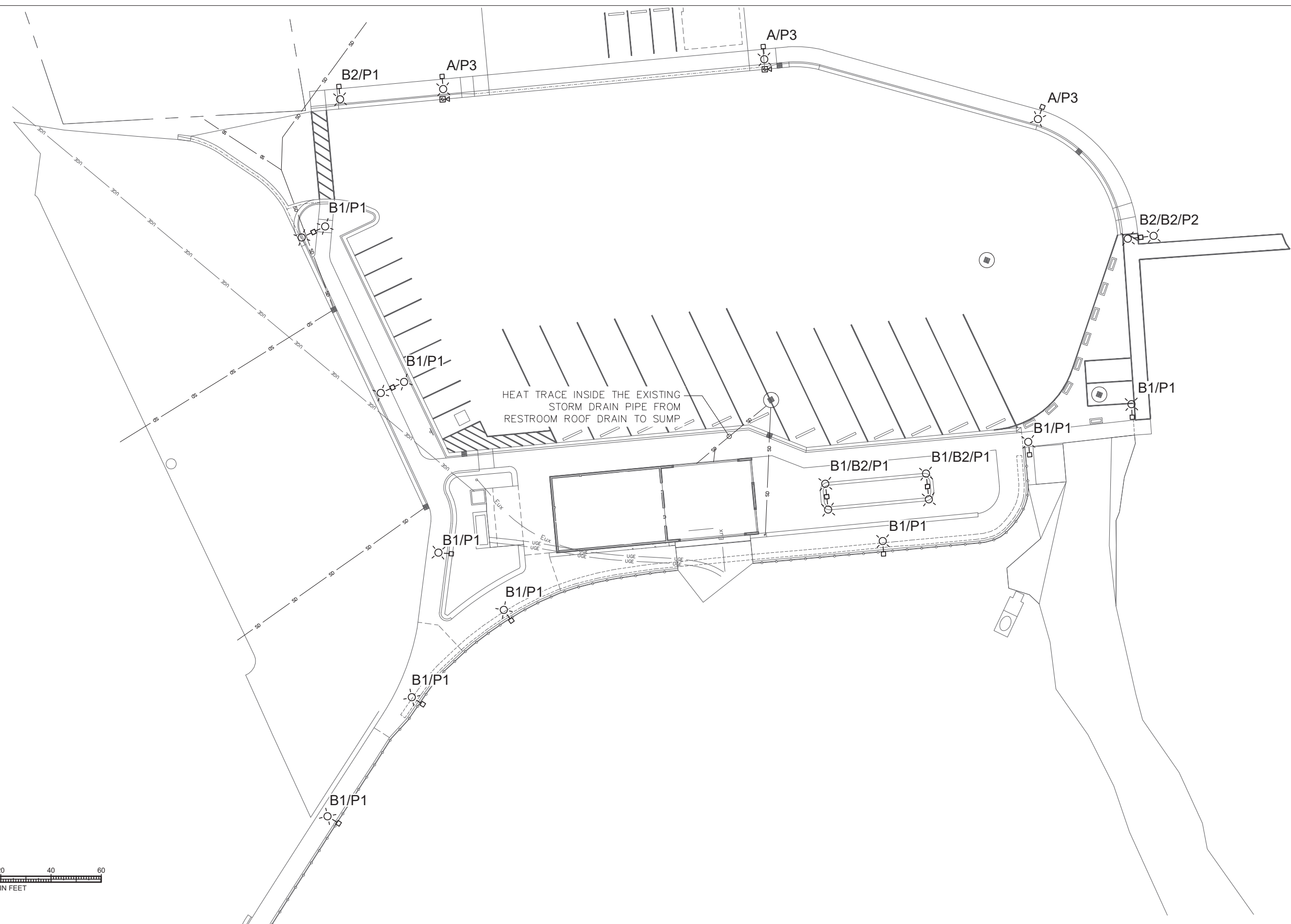
C.A.N. NO.: AECC250

**E00**



**Juneau, AK**  
9109 Mendenhall Mall Rd, Ste 4  
Juneau, AK 99801  
Phone: 907.780.6060  
www.respec.com  
AECC163270

RESPEC PROJECT NO.: 11131.24013



**RESPEC**  
**Juneau, AK**  
 9109 Mendenhall Mall Rd, Ste 4  
 Juneau, AK 99801  
 Phone: 907.780.6060  
 www.respec.com  
 AECC163270  
 RESPEC PROJECT NO.: I1131.24013

REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

**P | N | D**  
**ENGINEERS, INC.**

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 DRAWN: SH    APPROVED:   

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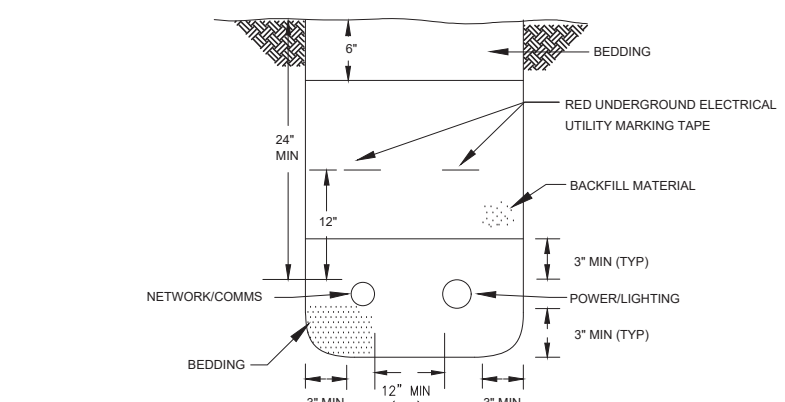
DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA  
 STATTER HARBOR IMPROVEMENTS PH III(D)  
 CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**ELECTRICAL SITE PLAN**

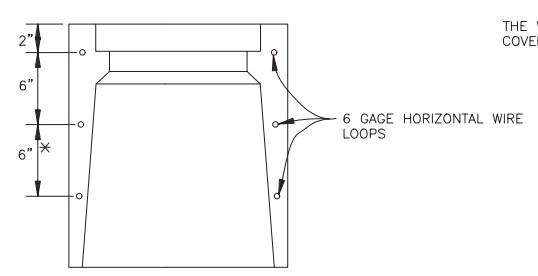
PND PROJECT NO.: 182069    C.A.N. NO.: AECC250





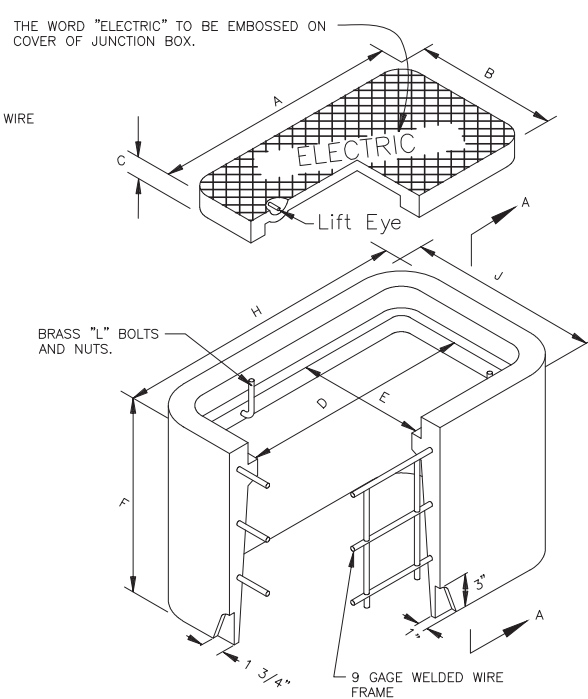
NOTE:  
1. PROVIDE AND COMPACT BEDDING & BACKFILL PER SPECIFICATIONS.

**1** DETAIL - TRENCH  
E101 SCALE: NTS



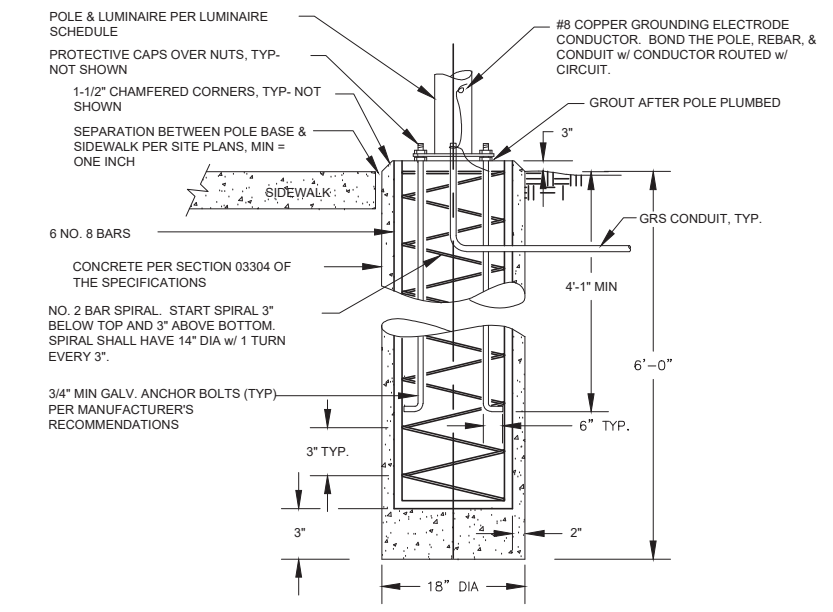
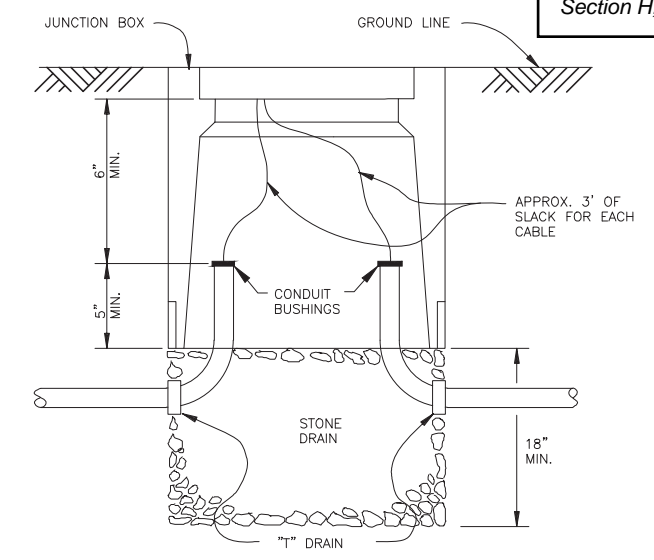
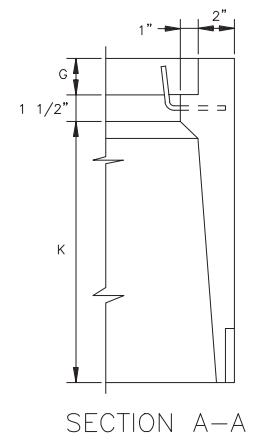
ALTERNATE REINFORCING  
\* TYPE I-A ONLY

- GENERAL NOTES:
- COVERS FOR TYPE IA JUNCTION BOXES SHALL BE CAST IRON.
  - JUNCTION BOXES LOCATED IN A SIDE-WALK SHALL BE INSTALLED WITH A 1/2" PREFORMED BITUMINOUS JOINT MATERIAL AROUND ITS PERIMETER.
  - ALL JUNCTION BOX COVERS SHALL BE BONDED TO GROUND WITH COPPER BRAID OF #8 AWG CROSS SECTION. THE LENGTH SHALL BE 3 FEET.
  - ALL CONDUITS SHALL BE GROUTED IN KNOCKOUT SECTIONS.



TYPE I-A JUNCTION BOX

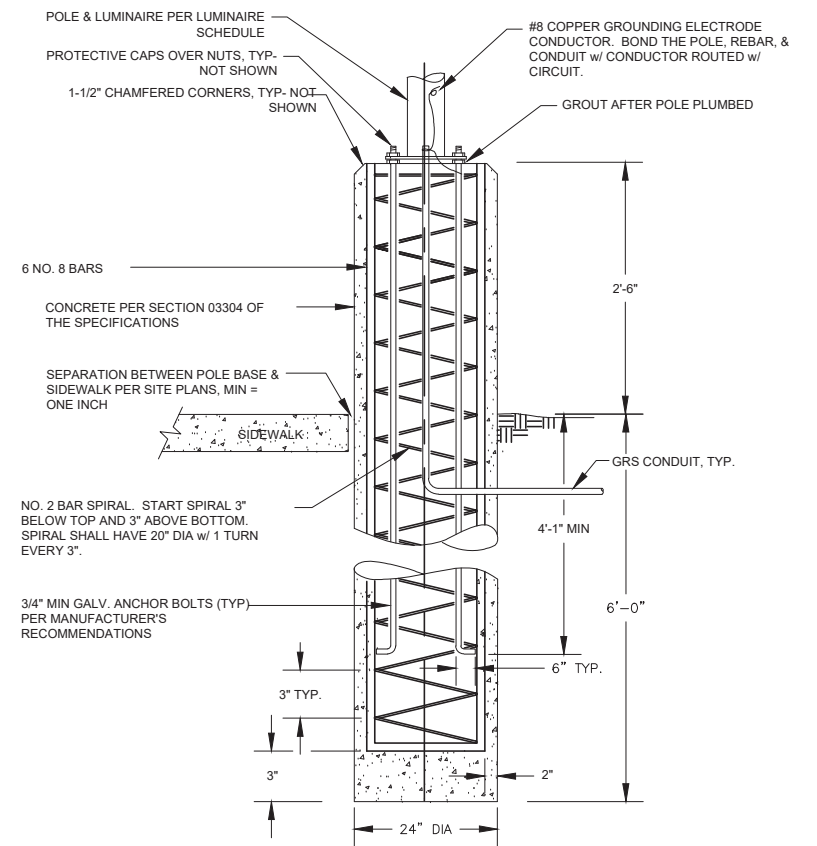
DIMENSIONS (IN.)	
TYPE I-A	
A	22 3/4
B	13 1/4
C	2
D	21 1/4
E	11 3/4
F	18
G	2
H	27 1/4
J	17 3/4
K	14 1/2



- NOTES:
- BACKFILL w/ N.F.S. SAND & GRAVEL COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
  - ANCHOR BOLTS TO MEET ATSM-A36 w/ MINIMUM YIELD STRESS OF 36.0 KSI.
  - POLE B BASE FOUNDATION TO BE UTILIZED FOR LUMINAIRES B1 & B2.

**2** DETAIL - POLE P1 BASE FOUNDATION  
E101 SCALE: NTS

**3** DETAIL - HANDHOLE  
E101 SCALE: NTS



- NOTES:
- BACKFILL w/ N.F.S. SAND & GRAVEL COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
  - ANCHOR BOLTS TO MEET ATSM-A36 w/ MINIMUM YIELD STRESS OF 36.0 KSI.
  - POLE A BASE FOUNDATION TO BE UTILIZED FOR LUMINAIRES A1 & A2.

**4** DETAIL - POLE P2 BASE FOUNDATION  
E101 SCALE: NTS



**RESPEC**  
Juneau, AK  
9109 Mendenhall Mall Rd, Ste 4  
Juneau, AK 99801  
Phone: 907.780.6060  
www.respec.com  
AECC163270  
RESPEC PROJECT NO.: 1131.24013

REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

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ENGINEERS, INC.  
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Juneau, Alaska 99801  
Phone: 907-586-2093  
Fax: 907-586-2099  
www.pndengineers.com

DESIGN: SH CHECKED: BH  
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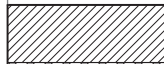
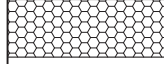
**CITY & BOROUGH OF JUNEAU, ALASKA  
STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**DETAILS**

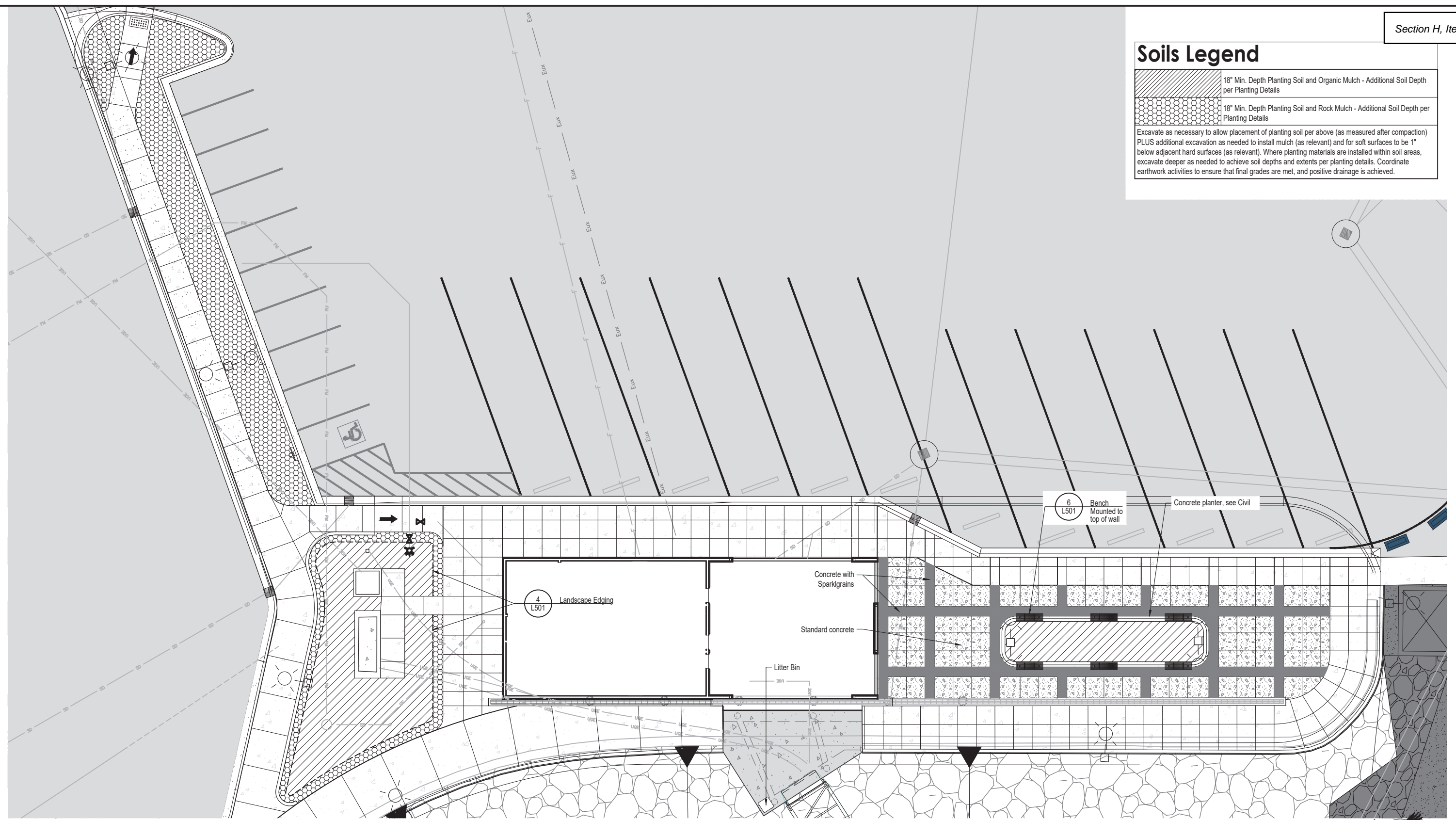
PND PROJECT NO.: 182069 C.A.N. NO.: AECC250



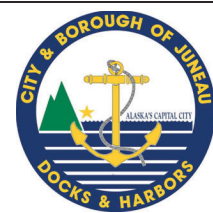
### Soils Legend

	18" Min. Depth Planting Soil and Organic Mulch - Additional Soil Depth per Planting Details
	18" Min. Depth Planting Soil and Rock Mulch - Additional Soil Depth per Planting Details

Excavate as necessary to allow placement of planting soil per above (as measured after compaction) PLUS additional excavation as needed to install mulch (as relevant) and for soft surfaces to be 1" below adjacent hard surfaces (as relevant). Where planting materials are installed within soil areas, excavate deeper as needed to achieve soil depths and extents per planting details. Coordinate earthwork activities to ensure that final grades are met, and positive drainage is achieved.



**1** Layout and Soils Plan  
L101 SCALE: 1" = 10'-0" @22x34



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

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Landscape Architecture  
www.corvus-design.com

Anchorage - 907.222.2859  
2506-B Fairbanks St. 99503  
Juneau - 907.988.9000  
119 Seward St. 99801  
AECC #1195

DESIGN: BL CHECKED: CM  
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SCALE: VARIES PER SHEET

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REVIEW**

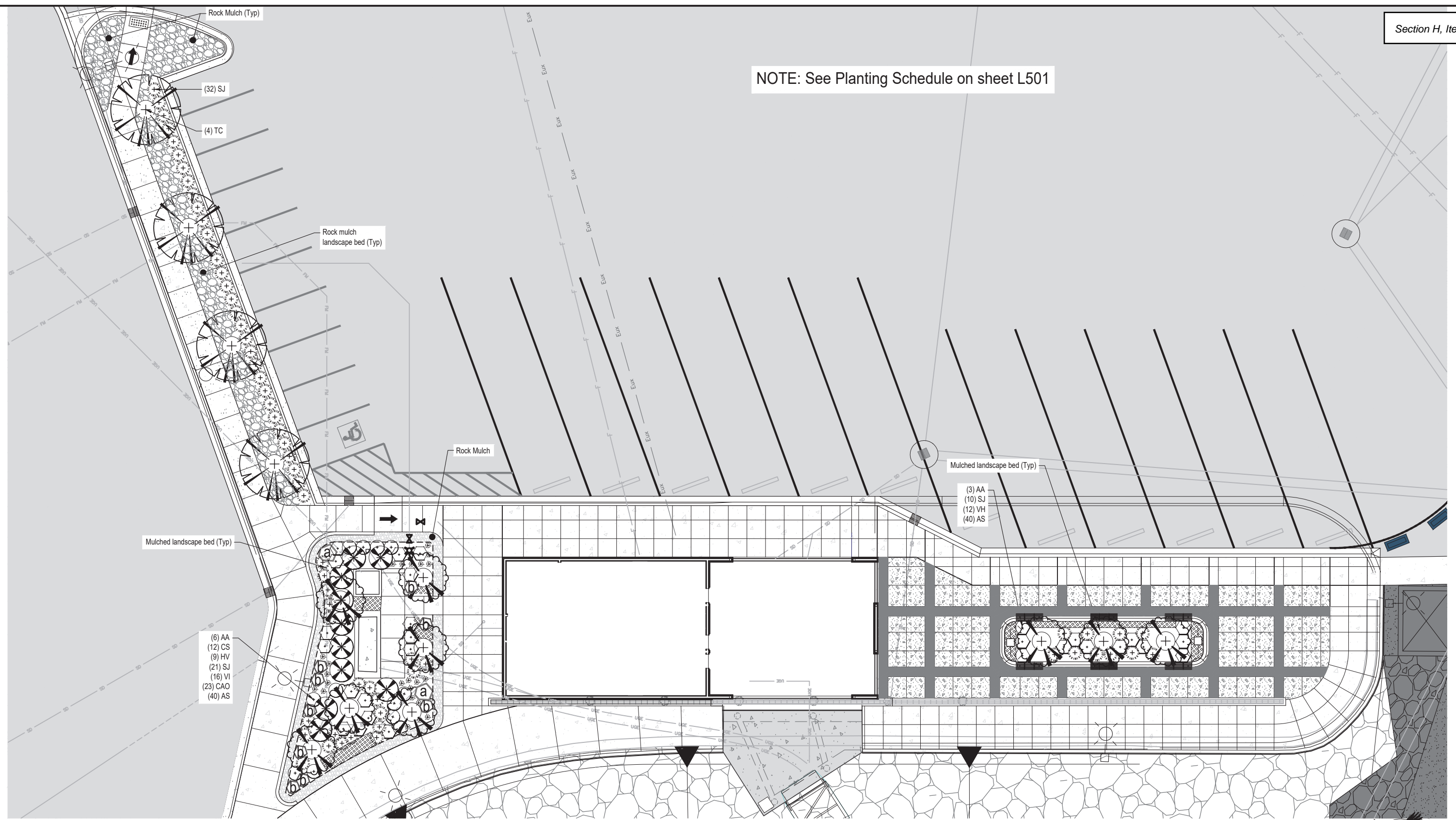
DATE: 11/29/2024

**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
CBJ CONTRACT NO. DHxx\_xxxx

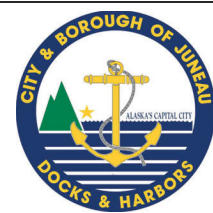
SHEET TITLE:  
**LAYOUT AND SOILS PLAN**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

NOTE: See Planting Schedule on sheet L501



1 Landscape Plan  
L102 SCALE: 1" = 10'-0" @22x34



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

**Corvus Design**  
Landscape Architecture  
www.corvus-design.com

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AECC #1195

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SCALE: VARIES PER SHEET

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REVIEW**

DATE: 11/29/2024

**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
CBJ CONTRACT NO. DHxx\_xxxx

SHEET TITLE: **LANDSCAPE PLAN**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250



# Planting Schedule

Deciduous Trees- See Detail: **1** L501 Deciduous Tree Planting - Staked

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
9	AA	Amelanchier grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	8' HT	B&B	Multi-stemmed	
4	TC	Tilia cordata	Littleleaf linden	2-1/2" CAL	B&B	Single stem	

Shrubs - See Detail: **2** L501 Shrub Planting

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
12	CS	Cornus sericea	Red-twig Dogwood	#5	CG		
10	HV	Hamamelis vernalis	Vernal witch hazel	#5	CG		
63	SJ	Spiraea japonica 'Shirobana'	Shirobana spirea	#5	CG		
28	VI	Viburnum dilittatum	Linden viburnum	#5	CG		

Perennials- See Detail: **3** L501 Perennial Planting

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
80	AS	Astilbe x arendsii	Astilbe spp.	#1	CG	18" OC Triang. spacing	

Grasses- See Detail: **3** L501 Perennial Planting

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
23	CAO	Calamagrostis x acutiflora 'Overdam'	Variiegated reed grass	#2	CG	18" OC Triang. spacing	

## Miscellaneous



Rock Mulch



**5** L501 Landscape Boulders



**4** L501 Landscape Edging

## General Notes:

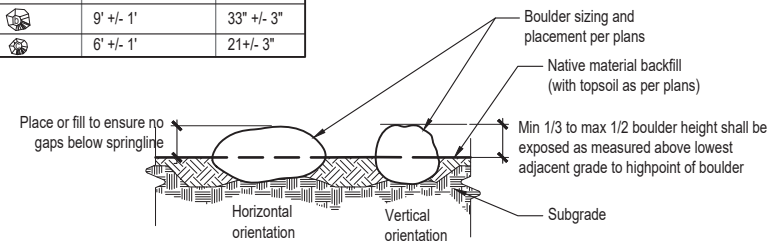
- All disturbed areas not indicated on plans are to receive 4" depth planting soil and seed.

## 7 Planting Schedule

**L501** SCALE: NTS @22x34

## Landscape Boulder Sizing Schedule

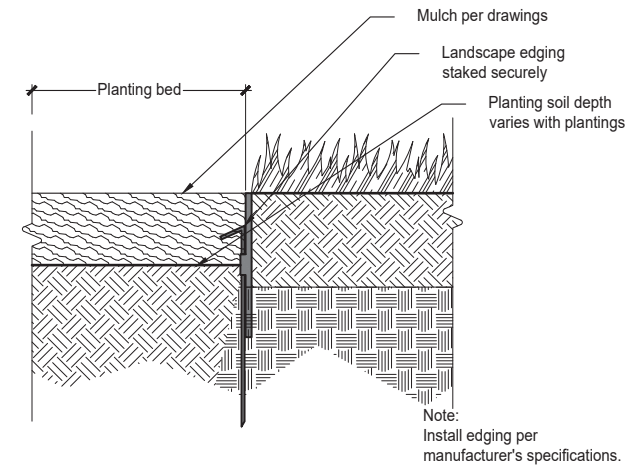
Boulder Symbol	Circumference	Height
	12' +/- 1'	45" +/- 3"
	9' +/- 1'	33" +/- 3"
	6' +/- 1'	21" +/- 3"



- Notes:
- Location and orientation of placed rocks shall be field approved by owner's representative.
  - Boulders should be no higher than 30" above any adjacent grade.
  - Circumference refers to the largest circumference of the boulder.
  - Height is measured perpendicular to axis used for determining circumference.

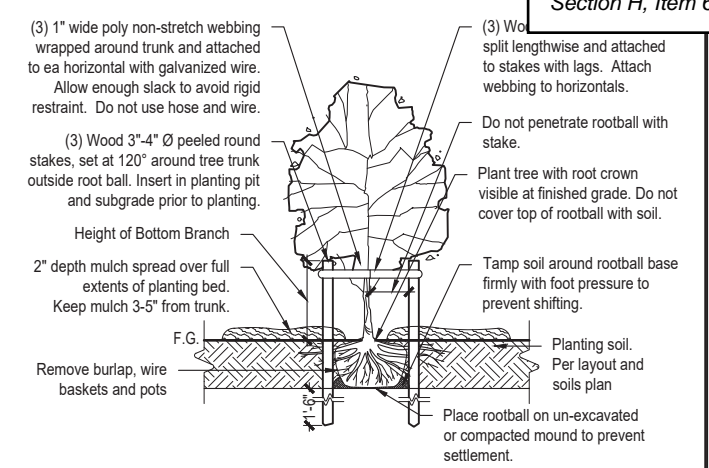
## 5 Landscape Boulders

**L501** SCALE: NTS @22x34



## 4 Landscape Edging

**L501** SCALE: NTS @22x34

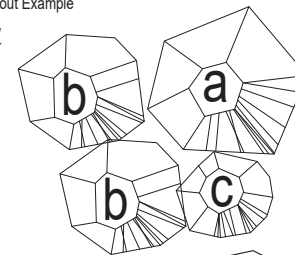


## 1 Deciduous Tree Planting - Staked

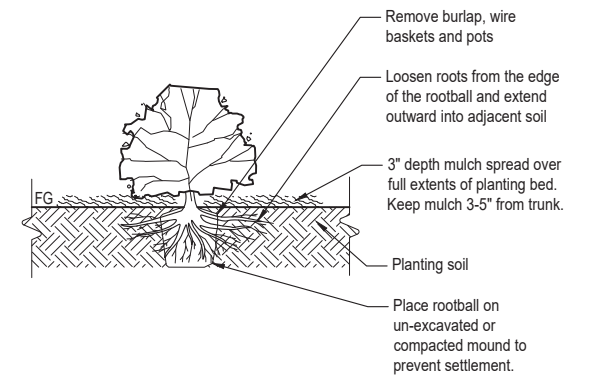
**L501** SCALE: NTS @22x34

## Boulder Layout Example

PLAN VIEW (NTS)

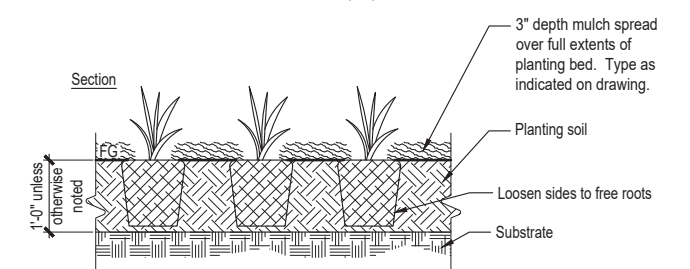
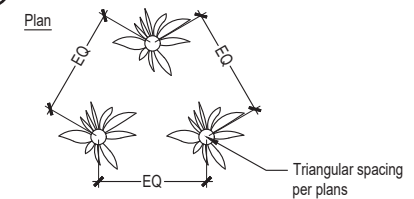


ELEVATION VIEW (NTS)



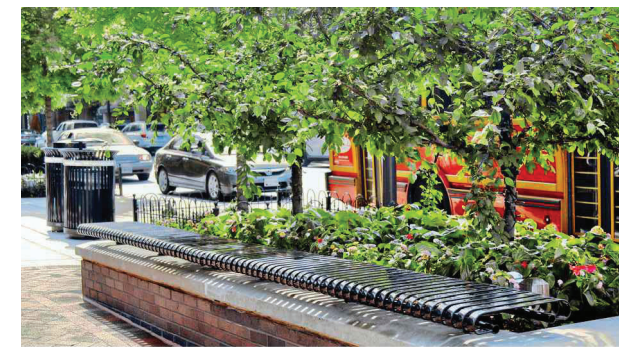
## 2 Shrub Planting

**L501** SCALE: NTS @22x34



## 3 Perennial Planting

**L501** SCALE: NTS @22x34



Manufacturer: Victor Stanley  
 Products: FRB-6 Straight Bench, backless with intermediate armrests  
 Finish: Powder coat - Teal  
 Attachment: Wall-Mount

## 6 Bench

**L501** SCALE: NTS @22x34

REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.



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SCALE: VARIES PER SHEET

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DESIGN  
REVIEW

DATE: 11/29/2024

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 CBJ CONTRACT NO. DHxx\_xxxx

SHEET TITLE:

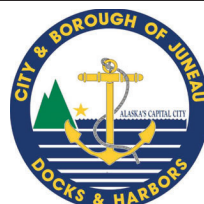
DETAILS

PND PROJECT NO.: 182069

C.A.N. NO.: AECC250

L50

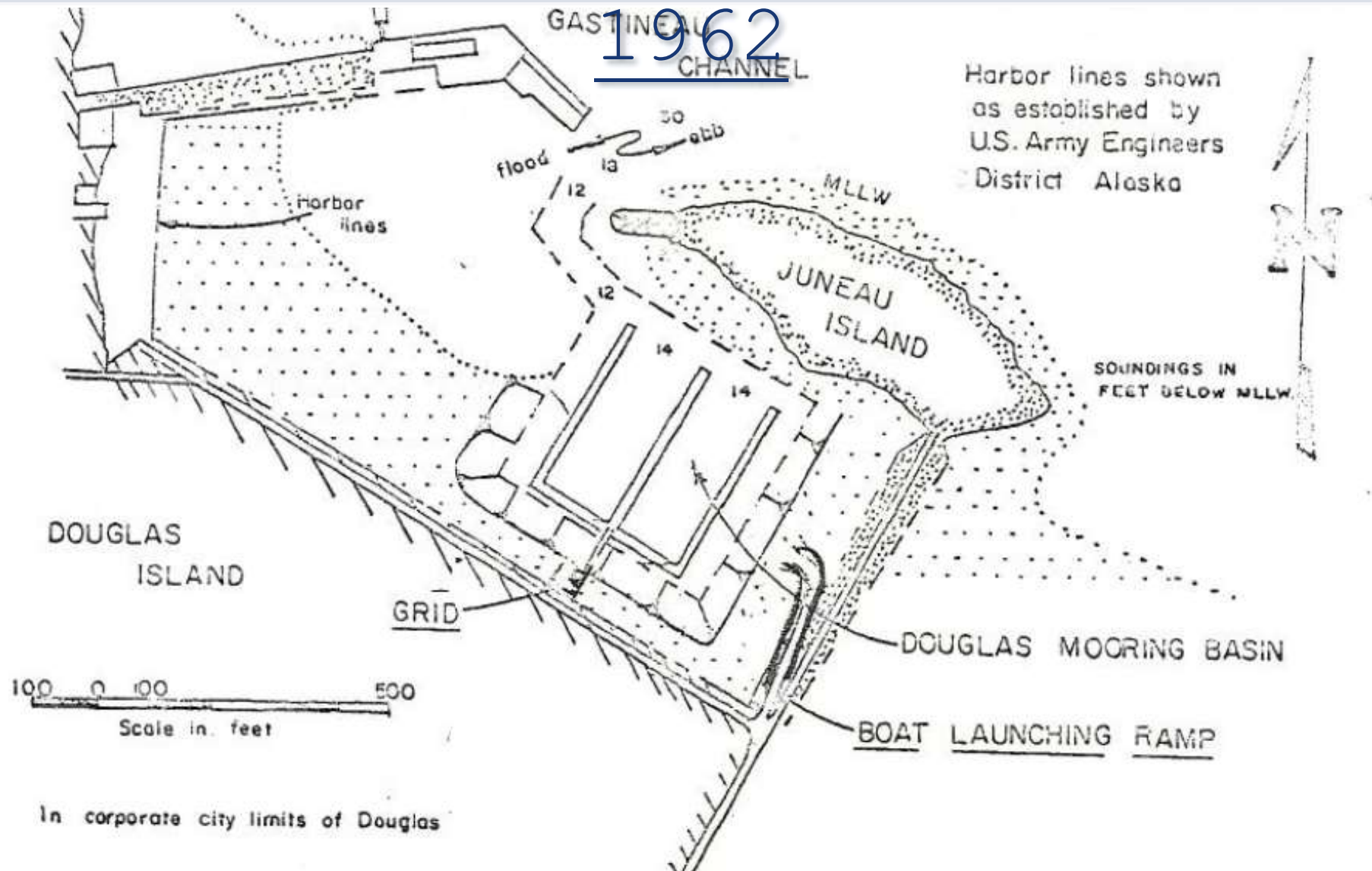
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# City and Borough of Juneau - Docks & Harbors - Mike Pusich Douglas Harbor - City and Borough of Juneau

Section H, Item 7.



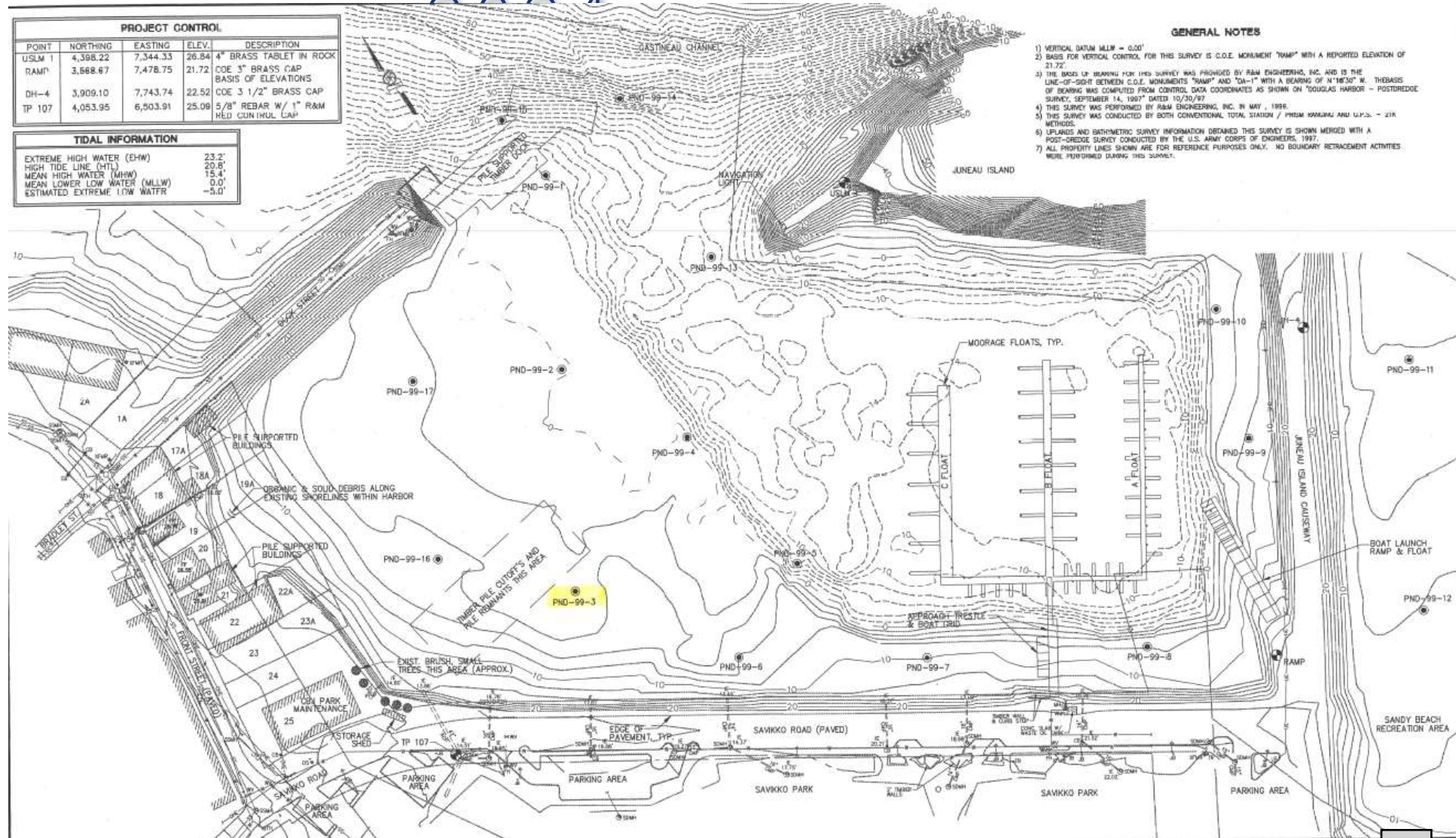




# Recapitalization & Expansion: 2000

Section H, Item 7.

- Harbor facility in 2000 essentially unchanged from 1962.





# Douglas Harbor Investment Facilitated by D&H: Approx. \$

Section H, Item 7.

**2001** - Douglas Harbor Uplands and Moorage Expansion - Phase I **(All Phases \$10M)**

Extension **4,300,000 (\$1,100,000 LOCAL FUNDS)**

**2001** - Douglas Harbor Uplands and Moorage Expansion - Phase 2 **(All Phases \$10M)**

**2010** - Douglas Harbor Uplands Improvements **\$257,333**

**2002** - Douglas Harbor Log Boom Breakwater **\$115,000**

**2015** - Old Douglas Harbor Demolition (Phase I) **\$362,486**

**2003** - Douglas Harbor Uplands and Moorage Expansion - Phase 3 **(All Phases \$10M)**

**2015** - Douglas Harbor Dredging (Phase II) **\$6,917,100**

**2005** - Douglas Harbor Sewer Pumpout **\$189,243**

**2015** - Douglas Harbor Renovation (Phase III) **\$6,623,156**

**2008** - Douglas Harbor City Dock Demolition **\$460,000**

**2018** - Douglas Harbor Sewer Barge **\$58,343**

**2008** - Douglas Harbor Floating Breakwater **\$1,200,000**

**2020** - Douglas Harbor Anodes **\$184,603**

**2009** - Douglas Harbor Rubble Mound Breakwater

**2024** - Douglas Harbor Lighting Improvements **\$75,000**





# What's left? Work remaining:

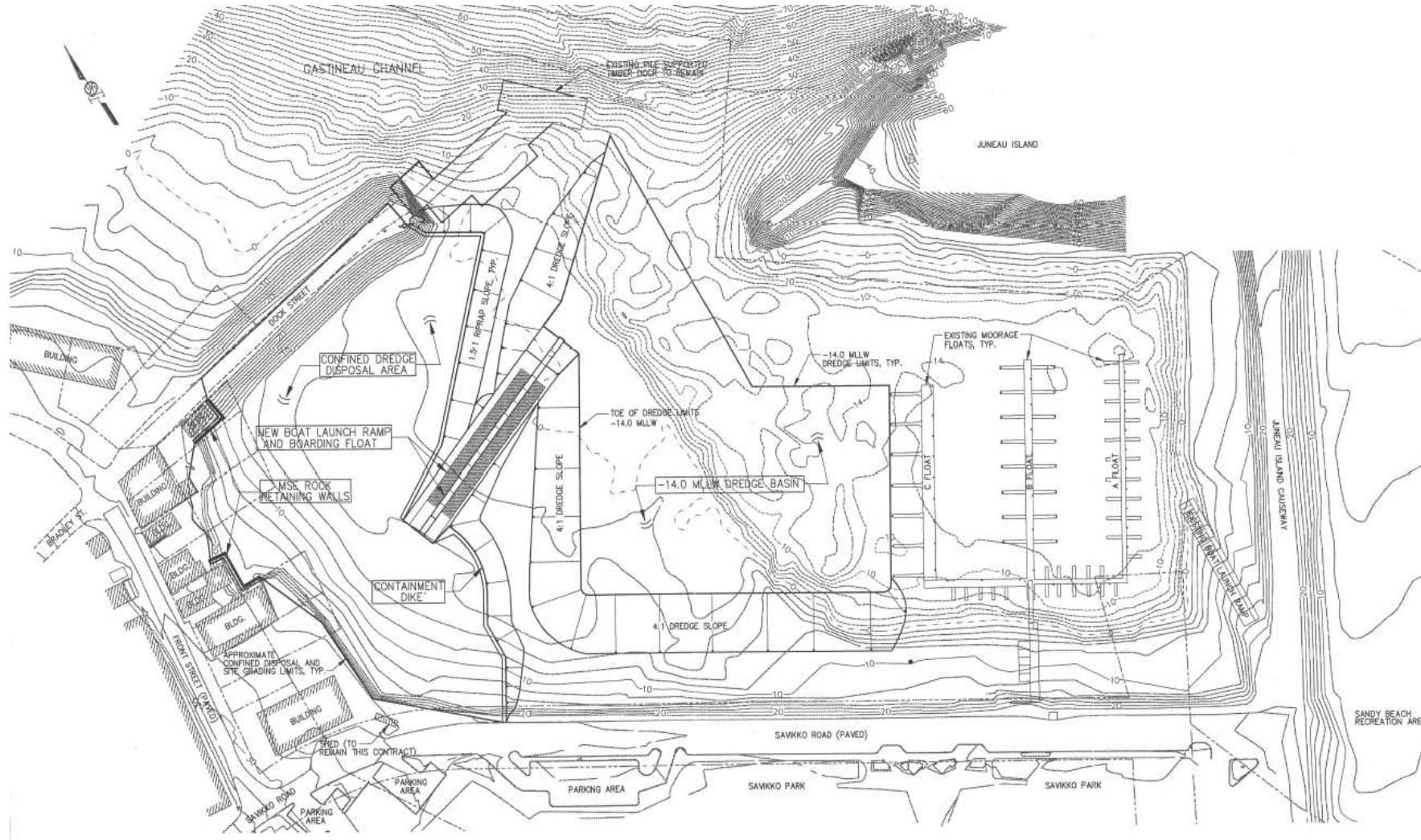
Section H, Item 7.

- Paving
- Curb & Gutter
- Striping
- Lighting
- Seawalk
- Landscaping
- Restrooms/Showers
- **Anything Else?**





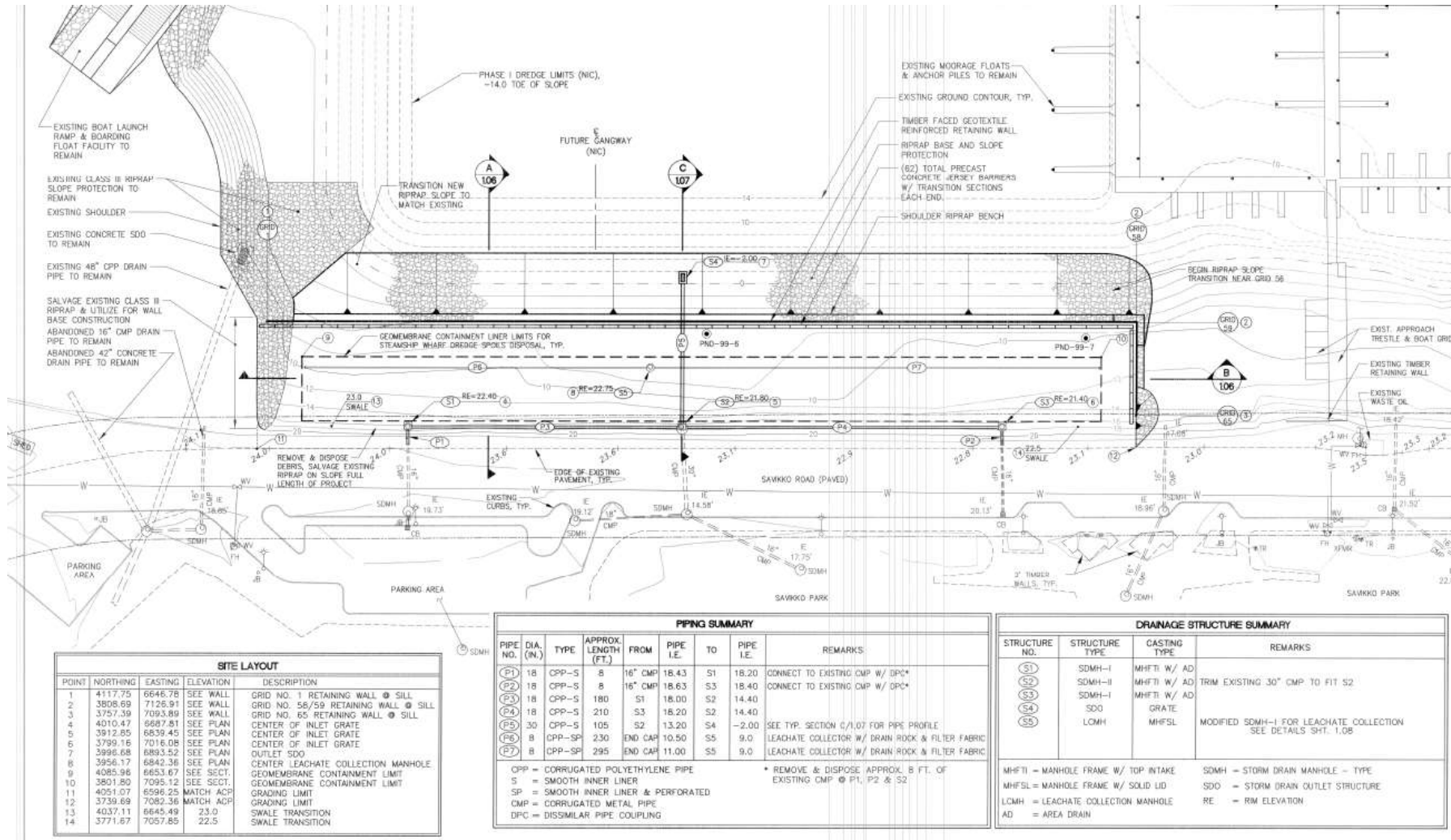
- Phase I – Dredging, Launch Ramp & Parking Expansion







- Phase II - Parking Expansion/Retaining Wall

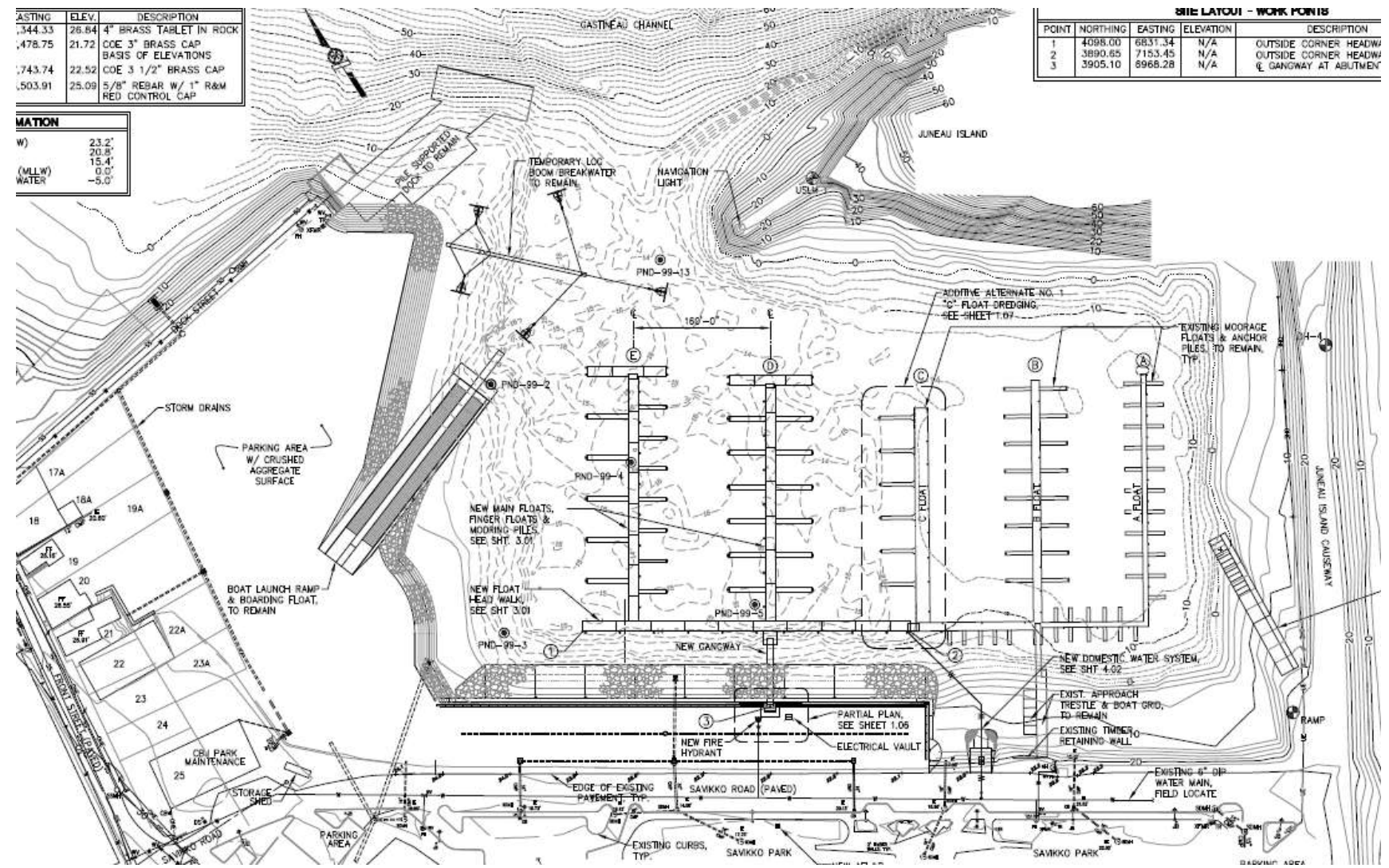


SITE LAYOUT			
POINT	NORTHING	EASTING	ELEVATION
1	4117.75	6646.78	SEE WALL
2	3806.69	7126.91	SEE WALL
3	3757.39	7093.89	SEE WALL
4	4010.47	6687.81	SEE PLAN
5	3912.85	6839.45	SEE PLAN
6	3799.16	7016.08	SEE PLAN
7	3996.68	6883.52	SEE PLAN
8	3956.17	6842.36	SEE PLAN
9	4085.96	6653.67	SEE SECT.
10	3801.80	7095.12	SEE SECT.
11	4051.07	6596.25	MATCH ACP
12	3739.69	7082.36	MATCH ACP
13	4037.11	6645.49	23.0
14	3771.67	7057.65	22.5

PIPING SUMMARY						
PIPE NO.	DIA. (IN.)	TYPE	APPROX. LENGTH (FT.)	FROM	PIPE I.E.	TO
P1	18	OPP-S	8	16" CMP	18.43	S1
P2	18	OPP-S	8	16" CMP	18.63	S3
P3	18	OPP-S	180	S1	18.00	S2
P4	18	OPP-S	210	S3	18.20	S2
P5	30	OPP-S	105	S2	13.20	S4
P6</						



- Phase III – North Harbor Construction. New gangway, new headwalk, mainwalk floats D and E and utilities.

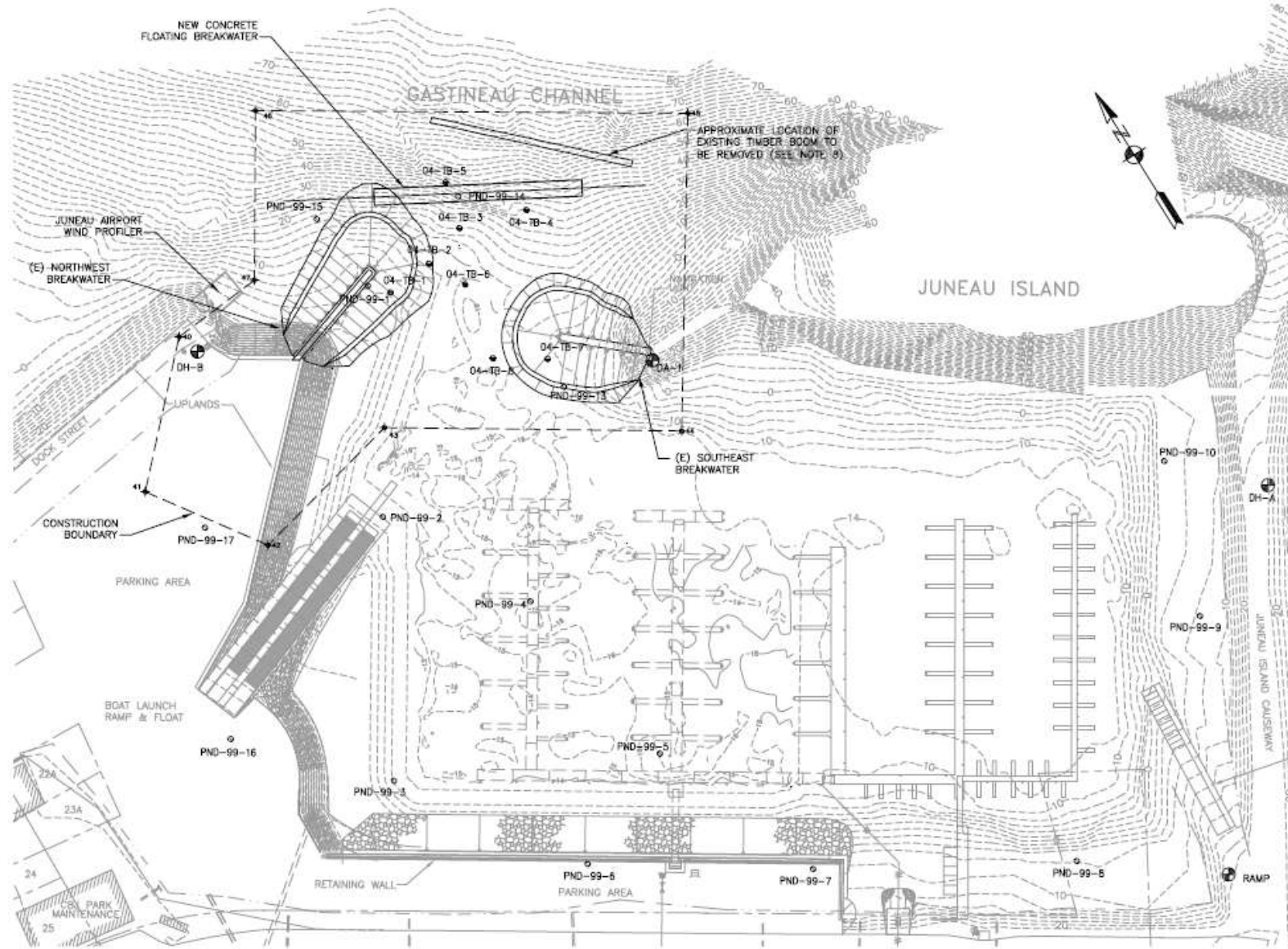






# Douglas Harbor Navigation Improvements

Section H, Item 7.

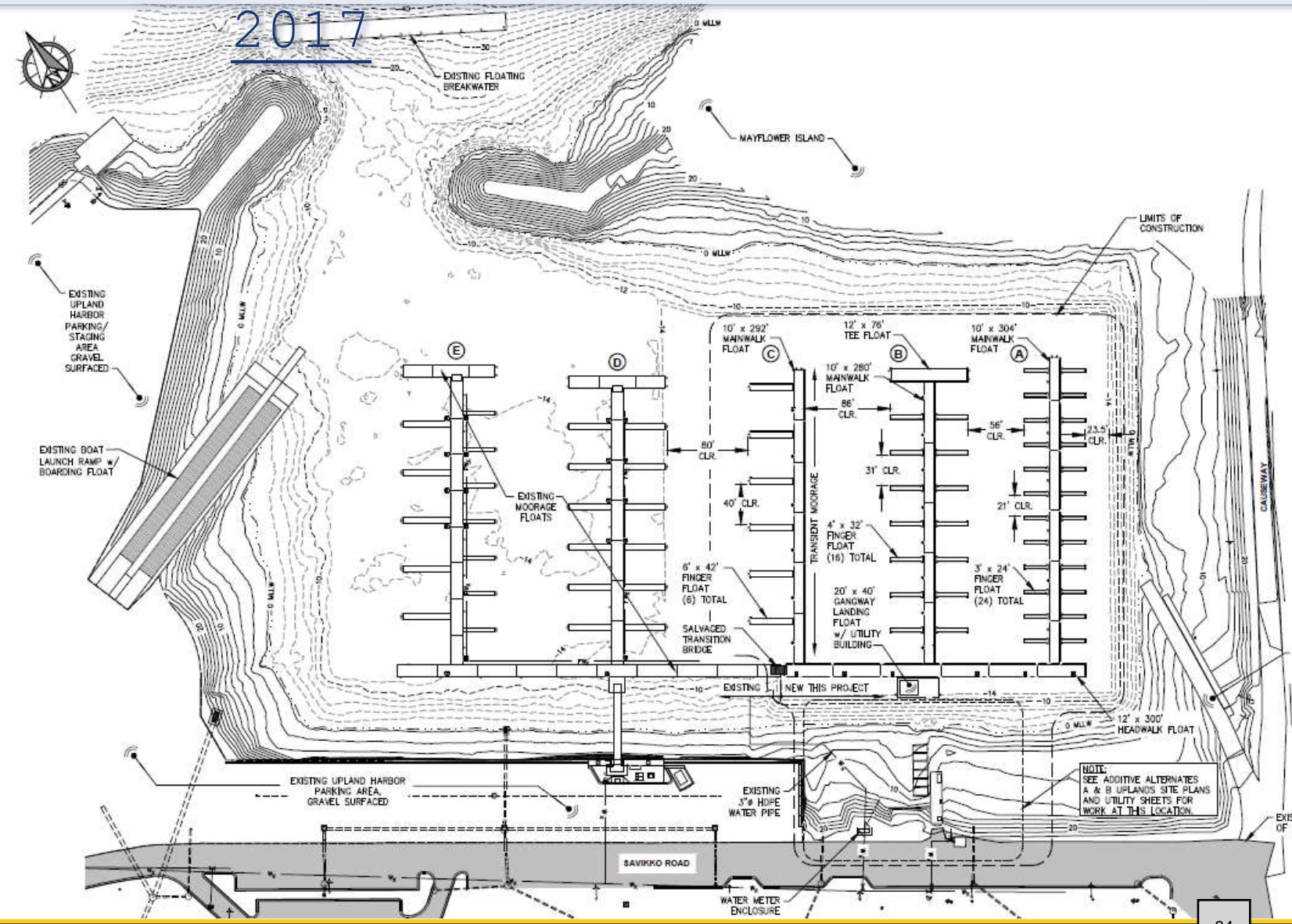




# Juneau Douglas Harbor Renovation Phases I - III: 2017

Section H, Item 7.

- Phase I - Demolition of existing floats
- Phase II - Dredging and off shore disposal
- Phase III - New Floats A, B, and C, new gangway and new seawall.
- \$1M spent on Environmental consultation.
- Project delayed over a decade.







# Douglas Harbor Safety Improvements

Section H, Item 7.

## PROJECT HIGHLIGHTS:

- ✓ One new lightpole and LED luminaire installed at the top of the launch ramp.
- ✓ 4 new lightpoles and LED luminaires installed in the parking lot near the two pedestrian gangways.
- ✓ Dramatic safety improvement for harbor users.
- ✓ Final Cost: \$75,000

