

Project Title: Haines Borough - Letnikof Cove Facility Improvements/Float Replacement

TPS Number: 68956

Priority: 8

Agency: Commerce, Community and Economic Development
Grants to Municipalities (AS 37.05.315)

Grant Recipient: Haines Borough

FY2025 State Funding Request: \$3,235,000

One-Time Need

Brief Project Description:

Replace failing float and improve parking for subsistence, commercial, and recreational use.

Funding Plan:

Total Project Cost:	\$3,500,000
Funding Already Secured:	(\$265,000)
FY2025 State Funding Request:	<u>(\$3,235,000)</u>
Project Deficit:	\$0

Explanation of Other Funds:

\$90,000 Pink Salmon Disaster Relief Grant FY22

\$20,000 CIP FY24

\$75,000 CIP FY17

\$80,000 Harbor Enterprise Funds FY24

Detailed Project Description and Justification:

The Letnikof Cove Harbor was built in 1979 and consists of an uplands parking area, a single-lane launch ramp with boarding floats, and access to nearly 600 linear feet of transient moorage floats. The moorage floats are in a "U" shape configuration. The primary moorage float is anchored in place and built from a 48" diameter pipe with decking on top. The legs of the "U" are 150' long and the top section is 84'. There are wooden moorage floats attached to the end of each leg of the pipe float that are held in place by steel piles. These wooden floats provide an additional 100' of moorage space off each leg.

Improvements were made to the facility in 2014. These included replacing the gangway, replacing the gangway float, moving the moorage float to deeper water, replacing the anchor and anchor chains for the steel float, and replacing one section of wooden moorage floats (100 LF).

Recognizing the age and importance of this facility, the Borough began long-term planning in 2022. It was discussed that the two main areas needing improvement were the available uplands space and the need to replace the moorage pipe float. Funds were allocated to beginning design work on these two areas. An expanded long-term parking lot was designed and brought to bid-ready status in 2023. The Borough is now working through conceptual designs for the moorage float and expects to have bid-ready documents ready by mid to late summer of 2024.

However, in the summer of 2023, it was discovered that stress cracks had developed at critical points on the existing pipe moorage float. Due to the fact that these cracks can lead to catastrophic failure, putting life and property at risk, it was decided to close the moorage facility until the float can be replaced. The Letnikof Cove Harbor serves a wide range of boating needs for the Haines community. Our local commercial fishing fleets, subsistence fishermen, pleasure boaters (US & Canadian), and tour operators all use this harbor throughout the busy summer season. Keeping this harbor closed for any significant amount of time will have a serious negative impact on Haines.

Project Timeline:

The parking lot design is complete and awaiting funding to build.
The float design is scheduled for completion in July 2024.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Haines Borough

Grant Recipient Contact Information:

Name: Annelise Silk
Address: 103 Third Ave, S
Haines, AK 99827
Phone Number: (907)766-6409
Email: asilk@haines.ak.us

This project has been through a public review process at the local level and it is a community priority.

A Resolution of the Haines Borough Assembly adopting FY2025 Alaska Capital Project Submission and Information System (CAPSIS) priorities, additional Haines Borough capital project priorities, and State funding priorities.

WHEREAS, the Haines Borough Assembly has determined to prioritize the Borough's FY2025 legislative priorities; and

WHEREAS, it is the intent of the Assembly to provide the Alaska Governor, Legislature, and state officials adequate information to represent the needs of the Borough concerning legislative requests, including necessary funding requirements,

NOW, THEREFORE, BE IT RESOLVED, by the Haines Borough Assembly, Haines, Alaska:

Section 1. The following capital budget priorities are identified as Haines Borough priorities for the State of Alaska for FY2025:

1. Public Safety Building Replacement
2. Administration Building Expansion
3. South Portage Cove Drive Down Workfloat and Harbormaster Office
4. South Portage Cove Harbor Expansion – Moorage Floats
5. High School Locker Room Renovation
6. HVAC System for Pool
7. Letnikof Floats

Section 2. The Borough identifies the following budget priorities for the State:

1. Alaska Marine Highway System
2. State support for Mental Health Services
3. Full Funding for Education
4. Support Funding for Road Resurfacing or Reconstruction
5. Department of Environmental Conservation Municipal Matching Grant Program
6. Community Assistance Program
7. Alaska Department of Public Safety – State Troopers

Adopted by a duly-constituted quorum of the Haines Borough Assembly on this 13th day of February, 2024.

Attest:


Alekka Fullerton, MMC, Borough Clerk


Thomas C. Morphet, Mayor



Haines Borough
Letnikof Harbor South Parking Lot Expansion

August 29, 2022

Construction Cost Estimate

Item No.	Pay Item Description	Pay Unit	Approximate Quantity	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
1505.1	Mobilization	Lump Sum	All Req'd	\$ 16,000	00	\$ 16,000	00
1570.1	Erosion and Sediment Control	Lump Sum	All Req'd	\$ 20,000	00	\$ 20,000	00
2201.1	Clearing and Grubbing	Lump Sum	All Req'd	\$ 3,000	00	\$ 3,000	00
2202.1	4" Minus Embankment	CY	2,010	\$ 35	00	\$ 70,350	00
2204.1	Base Course, Grading D-1	Ton	310	\$ 50	00	\$ 15,500	00
2205.1	Riprap, Class II	CY	890	\$ 65	00	\$ 57,850	00
2205.2	Stream Diversion Boulders	Each	10	\$ 300	00	\$ 3,000	00
2205.3	Rock Energy Dissipator	Lump Sum	All Req'd	\$ 2,500	00	\$ 2,500	00
2702.1	Construction Surveying	Lump Sum	All Req'd	\$ 4,500	00	\$ 4,500	00
2707.1	Remove Existing Wood Parking Barrier	LF	207	\$ 5	00	\$ 1,035	00
2707.2	Wood Parking Barrier	LF	239	\$ 55	00	\$ 13,145	00
2718.1	Remove and Reset Existing Parking Sign	Each	1	\$ 400	00	\$ 400	00

Preliminary Construction Cost Estimate Subtotal \$ 207,280 00

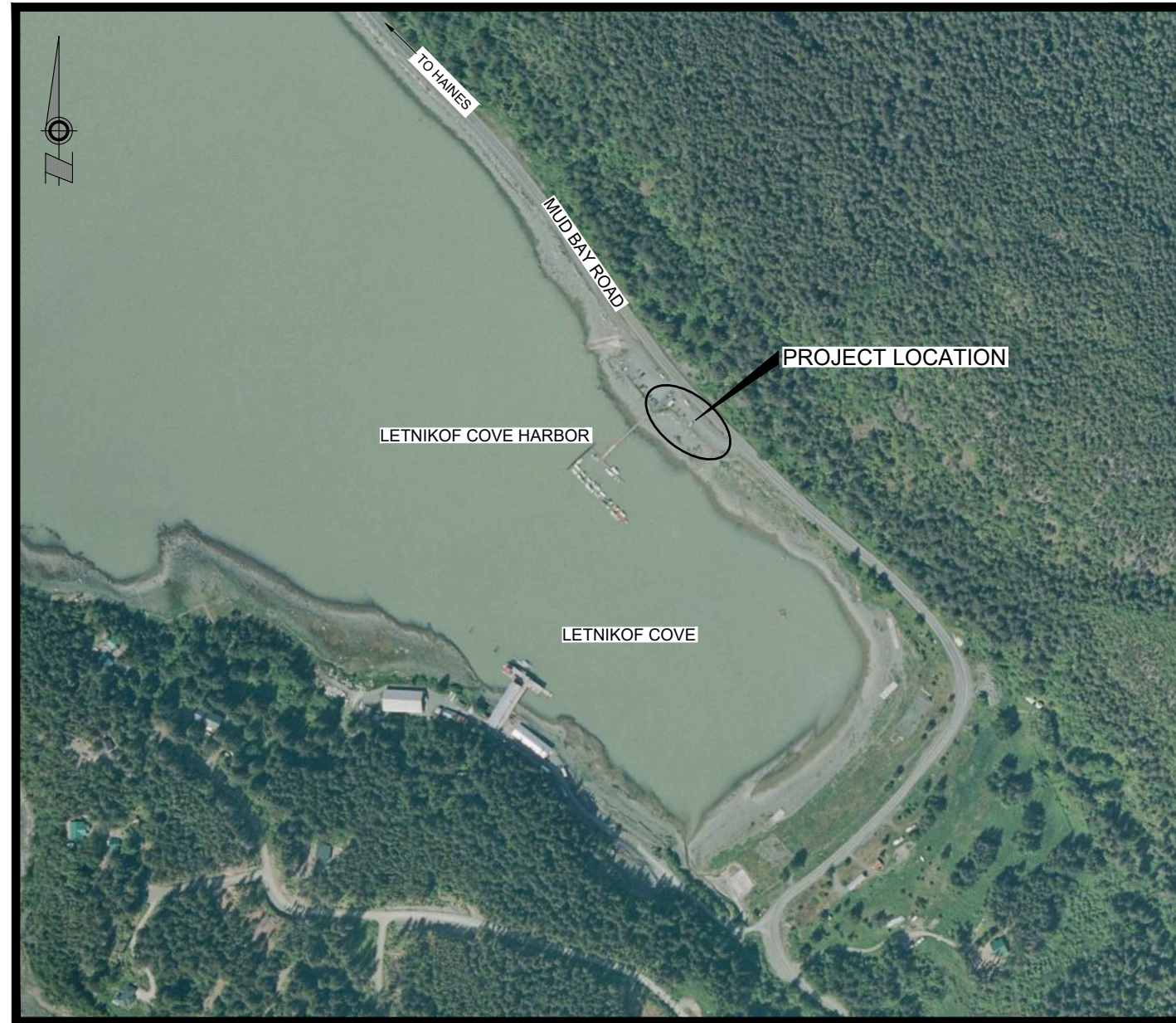
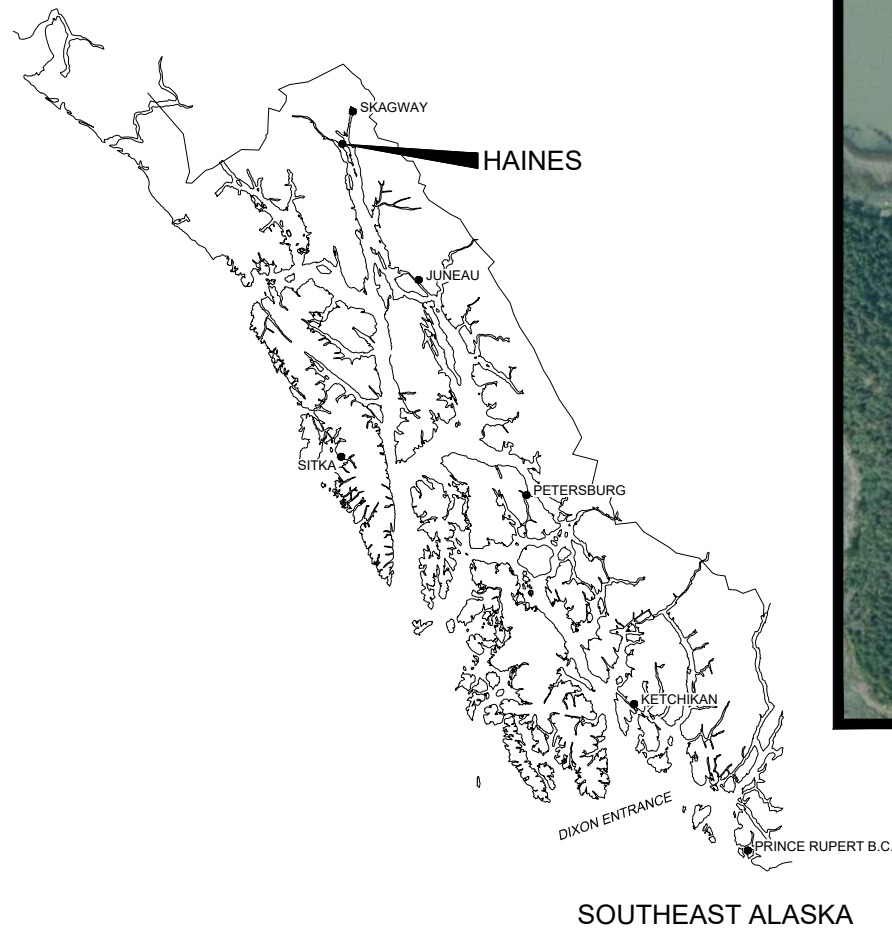
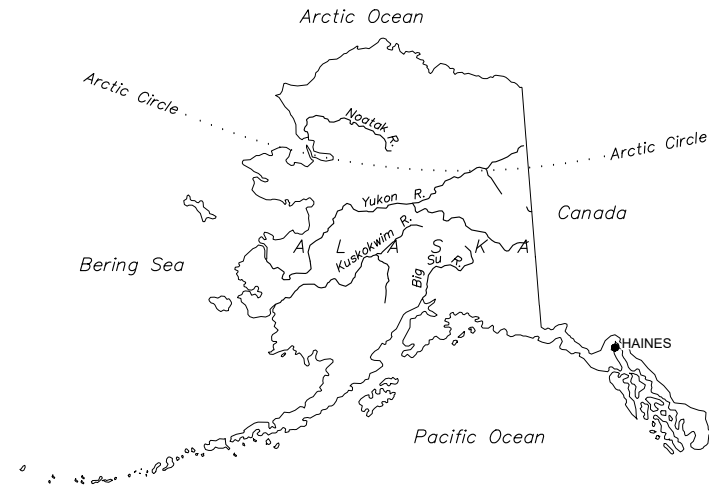
10% Construction Contingency \$ 20,728 00

Preliminary Construction Cost Estimate Total \$ 228,008 00

Construction Cost Estimate Notes:

1. Unit Prices shown reflect Haines Borough Public Works unit bid prices for similar public improvements using Davis Bacon prevailing wage rates.
2. Cost estimate assumes construction to be performed in 2022.

LETNIKOF HARBOR SOUTH PARKING LOT EXPANSION HAINES BOROUGH, ALASKA



VICINITY MAP
NTS

SHEET INDEX	
SHEET No.	SHEET TITLE
C001	COVER SHEET
C002	GENERAL NOTES, ABBREVIATIONS & SYMBOLS
C003	EXISTING SURVEY & SITE TOPOGRAPHY
C200	SITE PLAN
C300	TYPICAL SECTION & CONSTRUCTION DETAILS
C400	EROSION & SEDIMENT CONTROL PLAN
C401	EROSION & SEDIMENT CONTROL DETAILS

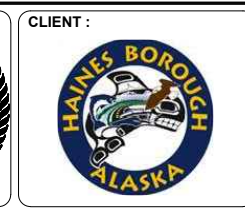
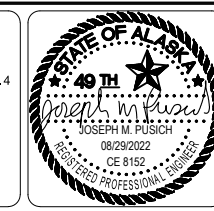
SHEET TITLE :
COVER SHEET

CONTRACT DOCUMENTS

PROJECT :
**LETNIKOF HARBOR SOUTH
PARKING LOT EXPANSION**

HAINES BOROUGH, ALASKA

RESPEC
Juneau, AK
9109 Mendenhall Mall Rd. Ste. 4
Juneau, AK 99801
Phone: 907.780.6060
Fax: 907.586.3771
AECC163270



DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	06/29/2022
PROJECT No.	10632.22001
SHEET NUMBER	C001

No.	Date	Item
REVISIONS		

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

GENERAL CONSTRUCTION NOTES

- CONNECTIONS TO EXISTING CHIP SEALED OR RAP SURFACED PARKING AREAS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- MATCH EXISTING FINISH GRADES AT BEGINNING AND END OF PROJECTS AND WHERE REQUIRED TO MATCH EXISTING ROADS, CONCRETE CURB, GUTTERS, SIDEWALKS AND ADJACENT FEATURES.
- ALL EXCAVATED MATERIALS THAT ARE NOT SUITABLE FOR REUSE ON THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND MUST BE PROPERLY DISPOSED OF AT AN APPROVED SITE.
- THE LOCATIONS OF EXISTING FEATURES AND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES MAY BE PRESENT HOWEVER ARE NOT SHOWN. 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:

 WATER AND WASTEWATER: (907) 766-2237 OR 766-2200
 POWER & LIGHT, AP&T: (907) 766-2331
 CATV: (907) 766-2137
 TELEPHONE, GTE ALASKA: (907) 766-2311

DIAL BEFORE YOU DIG

- ALL WORK UNDER THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION 2020 EDITION AND SUPPLEMENTAL SPECIAL PROVISIONS.
- PROPERTY LINE LOCATIONS USED IN THESE PLANS ARE DERIVED FROM RECORD PLATS AND DO NOT REPRESENT A BOUNDARY SURVEY.
- ALL SIGN INSTALLATIONS OR RELOCATIONS SHALL BE PERFORMED ACCORDING TO THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.) WITH THE ALASKA SUPPLEMENT.
- THE CONTRACTOR SHALL REFERENCE ALL EXISTING PROPERTY CORNER AND OTHER MONUMENTS PRIOR TO CONSTRUCTION THAT WILL BE DISTURBED DURING HIS WORK, AND RE-MONUMENT AFTER CONSTRUCTION OPERATIONS. ALL WORK SHALL BE DONE BY, OR UNDER THE DIRECT SUPERVISION OF, AN ALASKA REGISTERED LAND SURVEYOR. ALL EXISTING MONUMENTS ARE NOT NECESSARILY SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL DEVICES DURING CONSTRUCTION, AS INDICATED ON THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN (ESCP).
- NO SUBSURFACE GEOTECHNICAL INVESTIGATION WAS PERFORMED FOR THIS PROJECT.
- A UNITED STATES ARMY CORPS OF ENGINEERS PERMIT WAS ISSUED FOR THIS PROJECT AND IS INCLUDED UNDER SECTION 00852.

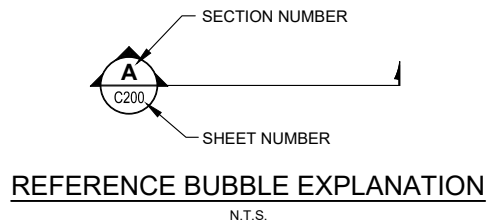
ABBREVIATIONS

AC	ASPHALT CONCRETE
APPROX.	APPROXIMATE
AP&T	ALASKA POWER & TELEPHONE
ARCH.	ARCHITECT
BLDG.	BUILDING
BOE	BOTTOM OF EXCAVATION
BOF	BOTTOM OF FOOTING
BOP	BEGINNING OF PROJECT
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
CONT.	CONTINUOUS
CTE	CONNECT TO EXISTING
CTRL	CONTROL
DIA.	DIAMETER
DOT/PF	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
EL.	ELEVATION
ESCP	EROSION AND SEDIMENT CONTROL PLAN
EXP.	EXPANSION
EXIST.	EXISTING
FG	FINISH GRADE
GAL.	GALLON
GP	GRADE POINT
HB	HAINES BOROUGH
HOR.	HORIZONTAL
HP	HIGH POINT
IE	INVERT ELEVATION
LT	LEFT
MAX.	MAXIMUM
MIN.	MINIMUM
MTE	MATCH TO EXISTING
NFS	NON-FROST SUSCEPTIBLE
No.	NUMBER
NTS	NOT TO SCALE
P/L	PROPERTY LINE
PVC	POLYVINYL CHLORIDE PIPE
RAP	RECYCLED ASPHALT PAVEMENT
RT	RIGHT
ROW	RIGHT-OF-WAY
STD.	STANDARD
TBM	TEMPORARY BENCH MARK
TOB	TOP OF BANK
TOP	TOP OF PIPE
TYP.	TYPICAL
UE	UNDERGROUND ELECTRICAL
VERT.	VERTICAL
W/	WITH

SYMBOLS

EXISTING	PROPOSED	
		PROPERTY LINE
		TOP OF BANK
		TOE OF SLOPE
		EDGE OF ASPHALT PAVEMENT
		EDGE OF RAP SURFACE
		PRIMARY MONUMENT FOUND
		CONTROL POINT
		TRANSFORMER
		PHONE PEDESTAL
		CABLE PEDESTAL
		UNDERGROUND ELECTRIC
		STORM DRAIN PIPE
		SIGN ON BOLLARD
		SIGN / RELOCATED SIGN
		STRUCTURE
		ALDER OR EVERGREEN TREES
		RIPRAP ARMOR ROCK, PER PLAN
		TIMBER VEHICLE PARKING BARRIER
		JERSEY BARRIER
		RIPRAP SLOPE PROTECTION
		CONCRETE SURFACE
		TIMBER DOCK

LETNIKOF COVE TIDAL INFORMATION	
EXTREME HIGH WATER (EHW)	22.5'
HIGH TIDE LINE (HTL)	21.2'
MEAN HIGH WATER (MHW)	15.8'
MEAN LOWER LOW WATER (MLLW)	0.0'
EXTREME LOW WATER (ELW) ESTIMATED	-6.8'



SHEET TITLE :
GENERAL NOTES, ABBREVIATIONS & SYMBOLS
CONTRACT DOCUMENTS

PROJECT :
LETNIKOF HARBOR SOUTH PARKING LOT EXPANSION
HAINES BOROUGH, ALASKA

Juneau, AK
9109 Mendenhall Mall Rd. Ste. 4
Juneau, AK 99801
Phone: 907.780.6060
Fax: 907.586.3771
AECC163270

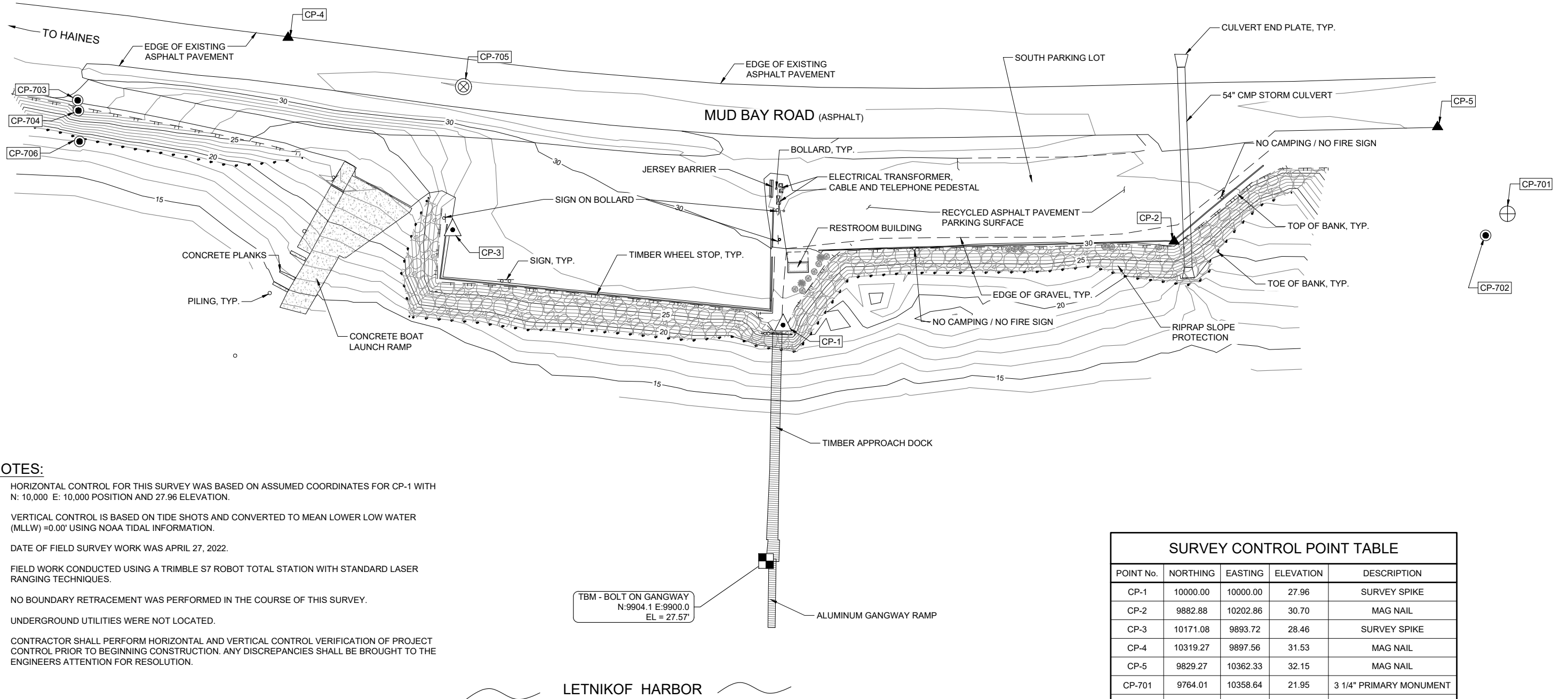


DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	06/29/2022
PROJECT No. 10632.22001	
SHEET NUMBER C002	

N:\Projects\10632.22001\HNS_Letnikof\0632.22001-LEGEND_Aug 29, 2022 1:03 PM

No.	Date	Item
REVISIONS		

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

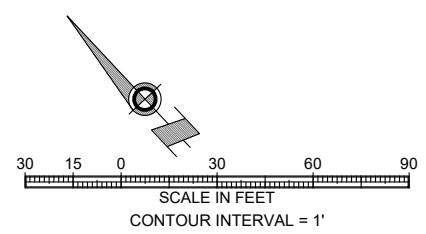


NOTES:

1. HORIZONTAL CONTROL FOR THIS SURVEY WAS BASED ON ASSUMED COORDINATES FOR CP-1 WITH N: 10,000 E: 10,000 POSITION AND 27.96 ELEVATION.
2. VERTICAL CONTROL IS BASED ON TIDE SHOTS AND CONVERTED TO MEAN LOWER LOW WATER (MLLW) = 0.00' USING NOAA TIDAL INFORMATION.
3. DATE OF FIELD SURVEY WORK WAS APRIL 27, 2022.
4. FIELD WORK CONDUCTED USING A TRIMBLE S7 ROBOT TOTAL STATION WITH STANDARD LASER RANGING TECHNIQUES.
5. NO BOUNDARY RETRACEMENT WAS PERFORMED IN THE COURSE OF THIS SURVEY.
6. UNDERGROUND UTILITIES WERE NOT LOCATED.
7. CONTRACTOR SHALL PERFORM HORIZONTAL AND VERTICAL CONTROL VERIFICATION OF PROJECT CONTROL PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION FOR RESOLUTION.

TBM - BOLT ON GANGWAY
N:9904.1 E:9900.0
EL = 27.57'

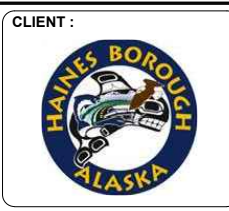
SURVEY CONTROL POINT TABLE				
POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP-1	10000.00	10000.00	27.96	SURVEY SPIKE
CP-2	9882.88	10202.86	30.70	MAG NAIL
CP-3	10171.08	9893.72	28.46	SURVEY SPIKE
CP-4	10319.27	9897.56	31.53	MAG NAIL
CP-5	9829.27	10362.33	32.15	MAG NAIL
CP-701	9764.01	10358.64	21.95	3 1/4" PRIMARY MONUMENT
CP-702	9763.21	10340.68	20.72	2" ALUM CAP MONUMENT
CP-703	10374.55	9781.45	29.79	2" ALUM CAP MONUMENT
CP-704	10369.80	9777.76	29.36	2" ALUM CAP MONUMENT
CP-705	10229.04	9954.59	31.99	CL MON IN CASE
CP-706	10355.91	9766.15	17.96	2" ALUM CAP MONUMENT



SHEET TITLE :
EXISTING SURVEY & SITE TOPOGRAPHY
CONTRACT DOCUMENTS

PROJECT :
LETNIKOF HARBOR SOUTH PARKING LOT EXPANSION
HAINES BOROUGH, ALASKA

RESPEC
Juneau, AK
9109 Mendenhall Mall Rd. Ste. 4
Juneau, AK 99801
Phone: 907.780.6060
Fax: 907.586.3771
AECC163270



DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	06/29/2022
PROJECT No.	10632.22001
SHEET NUMBER	C003

N:\Projects\10632.22001-HAINES_Letnikof\CP002\CAD\10632.22001_EXIST SITE_Aug 28, 2022 1:04 PM

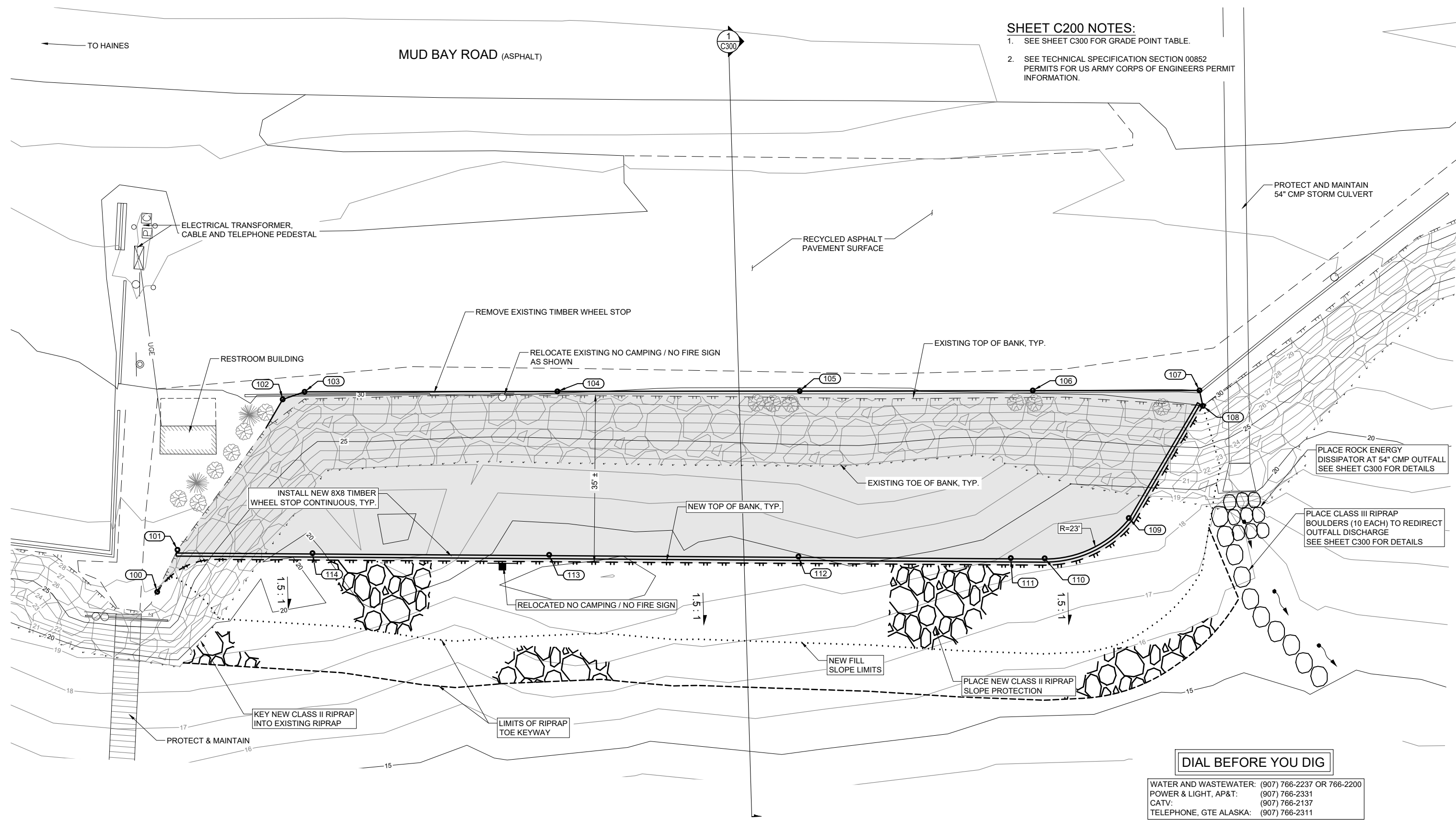
No.	Date	Item
REVISIONS		

1"

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

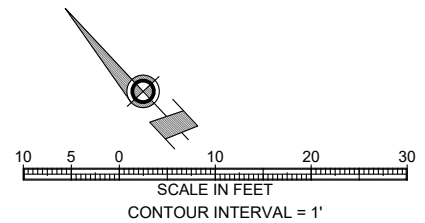
SHEET C200 NOTES:

1. SEE SHEET C300 FOR GRADE POINT TABLE.
2. SEE TECHNICAL SPECIFICATION SECTION 00852 PERMITS FOR US ARMY CORPS OF ENGINEERS PERMIT INFORMATION.



DIAL BEFORE YOU DIG

WATER AND WASTEWATER: (907) 766-2237 OR 766-2200
 POWER & LIGHT, AP&T: (907) 766-2331
 CATV: (907) 766-2137
 TELEPHONE, GTE ALASKA: (907) 766-2311

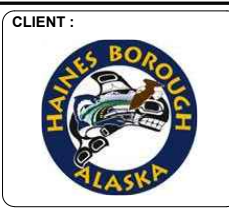


No.	Date	Item
REVISIONS		

SHEET TITLE :
SITE PLAN
 CONTRACT DOCUMENTS

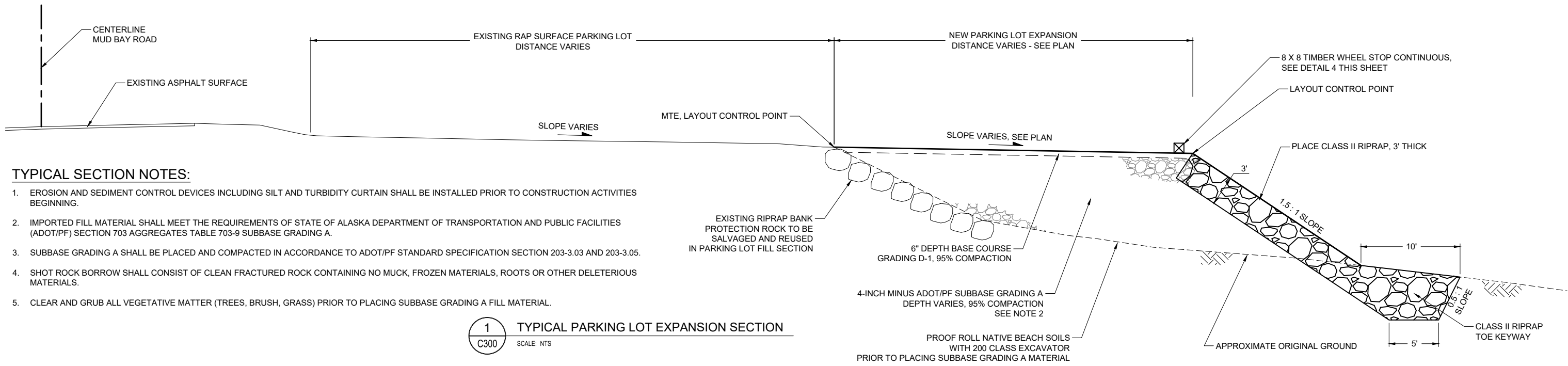
PROJECT :
**LETNIKOF HARBOR SOUTH
 PARKING LOT EXPANSION**
 HAINES BOROUGH, ALASKA

RESPEC
 Juneau, AK
 9109 Mendenhall Mall Rd. Ste. 4
 Juneau, AK 99801
 Phone: 907.780.6060
 Fax: 907.586.3771
 AECC163270



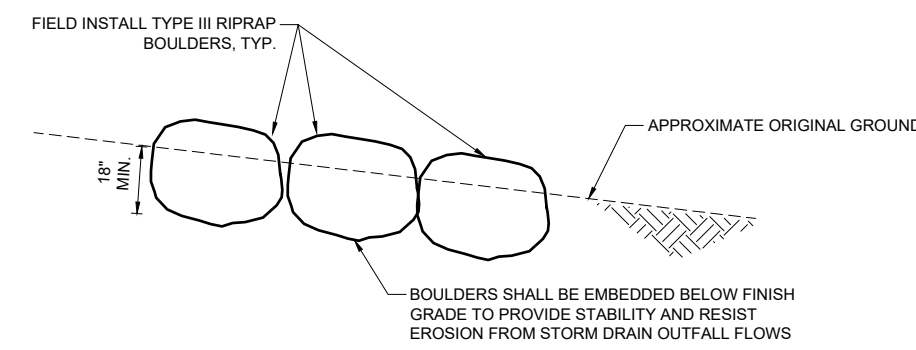
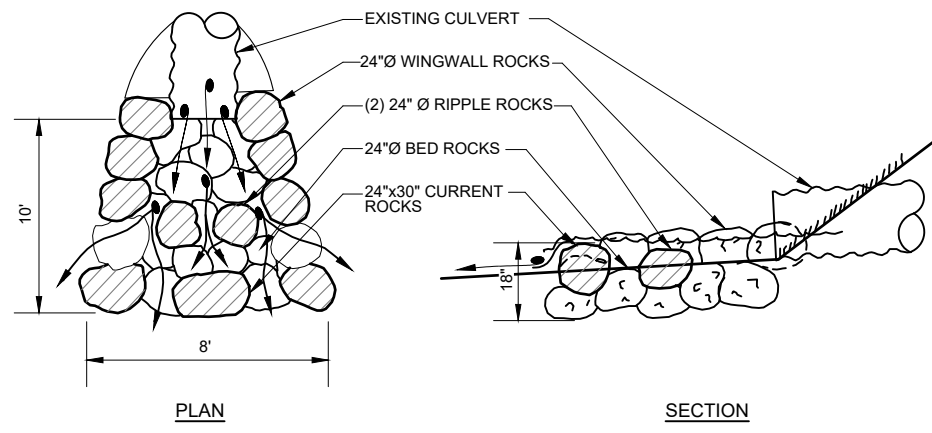
DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	06/29/2022
PROJECT No.	10632.22001
SHEET NUMBER	C200

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

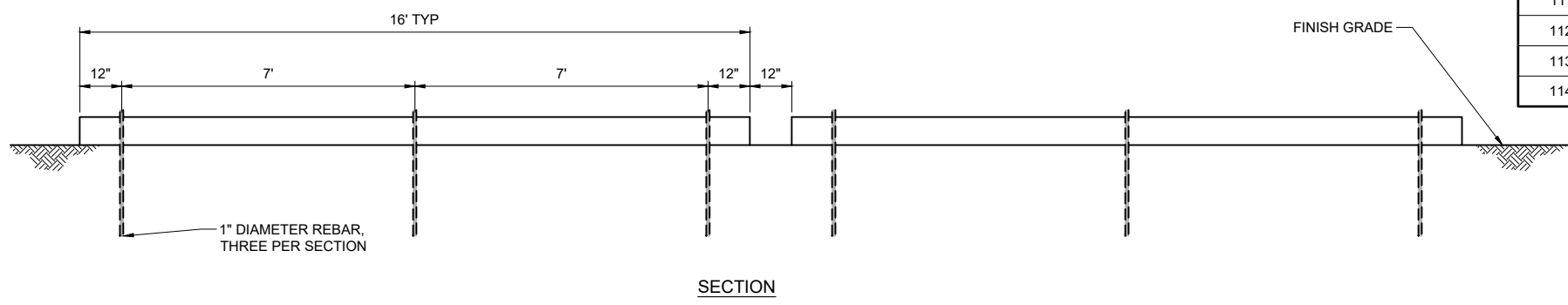
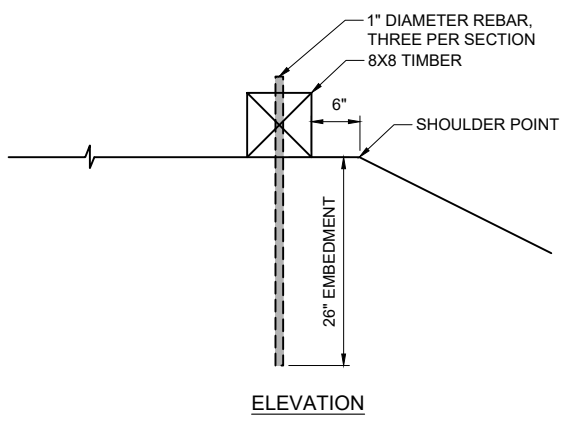


TYPICAL SECTION NOTES:

1. EROSION AND SEDIMENT CONTROL DEVICES INCLUDING SILT AND TURBIDITY CURTAIN SHALL BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITIES BEGINNING.
2. IMPORTED FILL MATERIAL SHALL MEET THE REQUIREMENTS OF STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES (ADOT/PF) SECTION 703 AGGREGATES TABLE 703-9 SUBBASE GRADING A.
3. SUBBASE GRADING A SHALL BE PLACED AND COMPACTED IN ACCORDANCE TO ADOT/PF STANDARD SPECIFICATION SECTION 203-3.03 AND 203-3.05.
4. SHOT ROCK BORROW SHALL CONSIST OF CLEAN FRACTURED ROCK CONTAINING NO MUCK, FROZEN MATERIALS, ROOTS OR OTHER DELETERIOUS MATERIALS.
5. CLEAR AND GRUB ALL VEGETATIVE MATTER (TREES, BRUSH, GRASS) PRIOR TO PLACING SUBBASE GRADING A FILL MATERIAL.



GRADE POINT SUMMARY TABLE				
POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	9998.58	10002.47	27.86	MTE
101	10002.63	10011.78	28.70	MTE
102	10012.44	10050.46	29.76	MTE
103	10010.58	10055.14	30.12	MTE
104	9974.74	10096.78	30.04	MTE
105	9940.38	10136.72	29.95	MTE
106	9907.36	10175.13	28.48	MTE
107	9883.71	10202.56	30.44	MTE
108	9880.70	10200.91	29.99	MTE
109	9872.73	10172.80	29.85	TP
110	9878.05	10153.24	29.23	TP
111	9882.91	10147.70	29.24	TP
112	9913.31	10112.98	29.31	TP
113	9949.01	10072.21	29.28	TP
114	9982.89	10033.51	29.05	TP

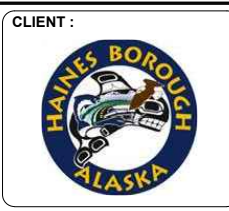


4 WHEEL STOP DETAIL
SCALE: NTS

SHEET TITLE :
TYPICAL SECTION & CONSTRUCTION DETAILS
CONTRACT DOCUMENTS

PROJECT :
LETNIKOF HARBOR SOUTH PARKING LOT EXPANSION
HAINES BOROUGH, ALASKA

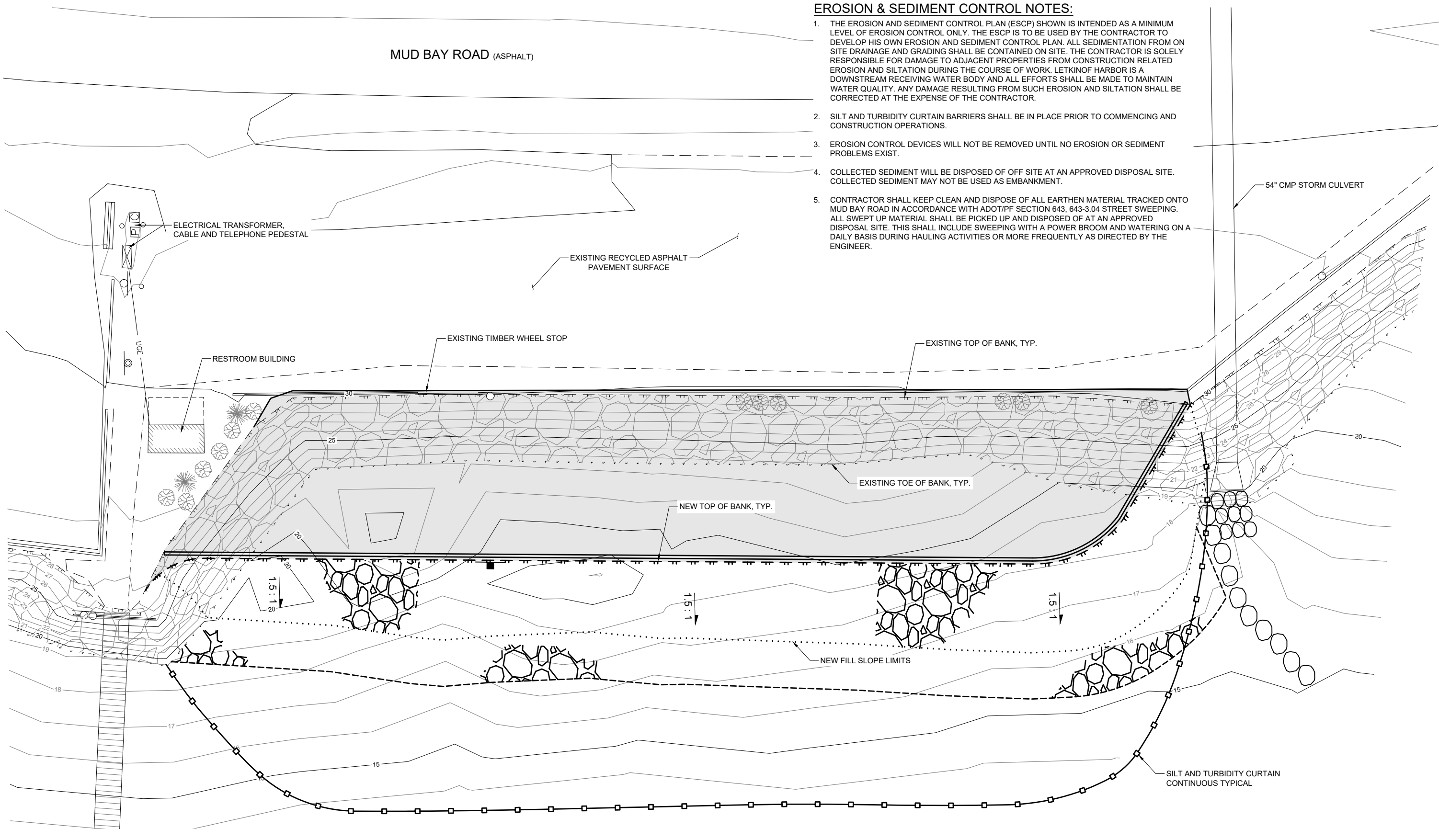
RESPEC
Juneau, AK
9109 Mendenhall Mall Rd. Ste. 4
Juneau, AK 99801
Phone: 907.780.6060
Fax: 907.586.3771
AECC163270



DESIGN: JMP
DRAWN: JMK
CHECKED: JMK
DATE: 06/29/2022
PROJECT No.: **10632.22001**
SHEET NUMBER: **C300**

No.	Date	Item
REVISIONS		

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES



EROSION & SEDIMENT CONTROL NOTES:

1. THE EROSION AND SEDIMENT CONTROL PLAN (ESCP) SHOWN IS INTENDED AS A MINIMUM LEVEL OF EROSION CONTROL ONLY. THE ESCP IS TO BE USED BY THE CONTRACTOR TO DEVELOP HIS OWN EROSION AND SEDIMENT CONTROL PLAN. ALL SEDIMENTATION FROM ON SITE DRAINAGE AND GRADING SHALL BE CONTAINED ON SITE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DAMAGE TO ADJACENT PROPERTIES FROM CONSTRUCTION RELATED EROSION AND SILTATION DURING THE COURSE OF WORK. LETNIKOF HARBOR IS A DOWNSTREAM RECEIVING WATER BODY AND ALL EFFORTS SHALL BE MADE TO MAINTAIN WATER QUALITY. ANY DAMAGE RESULTING FROM SUCH EROSION AND SILTATION SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
2. SILT AND TURBIDITY CURTAIN BARRIERS SHALL BE IN PLACE PRIOR TO COMMENCING AND CONSTRUCTION OPERATIONS.
3. EROSION CONTROL DEVICES WILL NOT BE REMOVED UNTIL NO EROSION OR SEDIMENT PROBLEMS EXIST.
4. COLLECTED SEDIMENT WILL BE DISPOSED OF OFF SITE AT AN APPROVED DISPOSAL SITE. COLLECTED SEDIMENT MAY NOT BE USED AS EMBANKMENT.
5. CONTRACTOR SHALL KEEP CLEAN AND DISPOSE OF ALL EARTHEN MATERIAL TRACKED ONTO MUD BAY ROAD IN ACCORDANCE WITH ADOT/PF SECTION 643. 643-3.04 STREET SWEEPING. ALL SWEEP UP MATERIAL SHALL BE PICKED UP AND DISPOSED OF AT AN APPROVED DISPOSAL SITE. THIS SHALL INCLUDE SWEEPING WITH A POWER BROOM AND WATERING ON A DAILY BASIS DURING HAULING ACTIVITIES OR MORE FREQUENTLY AS DIRECTED BY THE ENGINEER.

SHEET TITLE :
EROSION & SEDIMENT CONTROL PLAN
 CONTRACT DOCUMENTS

PROJECT :
LETNIKOF HARBOR SOUTH PARKING LOT EXPANSION
 HAINES BOROUGH, ALASKA

RESPEC
 Juneau, AK
 9109 Mendenhall Mall Rd. Ste. 4
 Juneau, AK 99801
 Phone: 907.780.6060
 Fax: 907.586.3771
 AECC163270

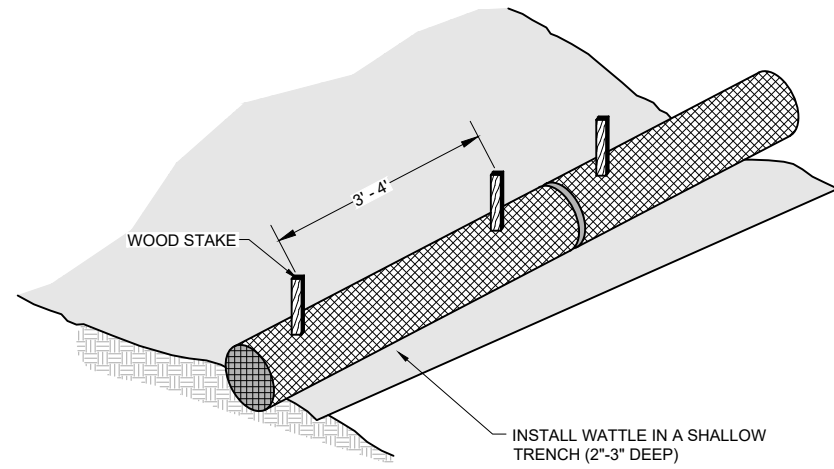
STATE OF ALASKA
 49th
 Joseph M. Pusich
 Registered Professional Engineer
 08/29/2022
 CE 8152

CLIENT :

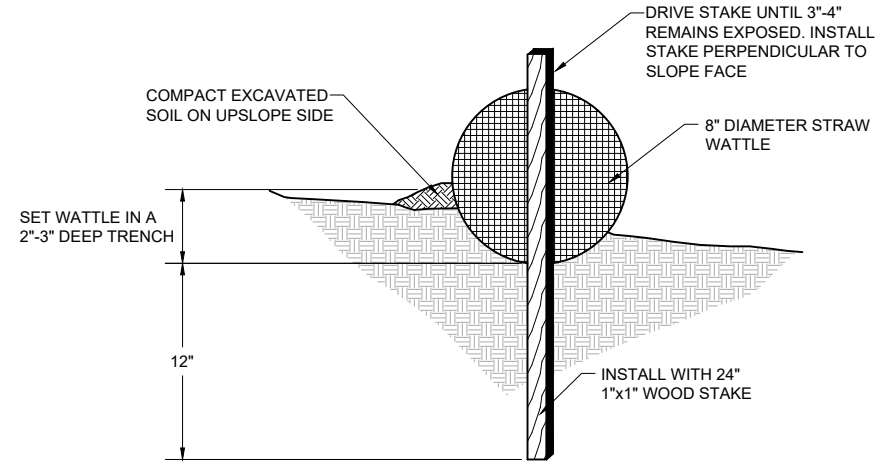
DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	06/29/2022
PROJECT No.	10632.22001
SHEET NUMBER	C400

No.	Date	Item

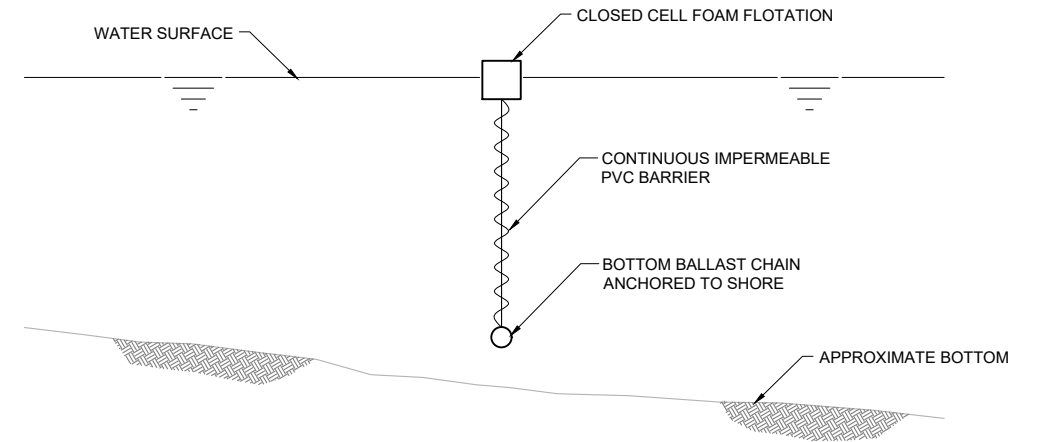
1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES



TYPICAL WATTLE ELEVATION VIEW



WATTLE ENTRENCHMENT



NOTES:

1. THE SILT CURTAIN SHALL BE SIMILAR OR EQUAL TO TRITON TYPE II HEAVY DUTY SILT AND TURBIDITY BARRIER AS MANUFACTURED BY GEI WORKS.
2. THE SILT CURTAIN SHALL BE CONTINUOUS AND SHALL COMPLETELY ENCLOSE THE SEDIMENTATION BASIN AS SHOWN ON SHEET C400.
3. EACH END OF THE CONTINUOUS SILT CURTAIN SHALL BE ATTACHED TO THE SHORE ABOVE THE WATER LINE WITH A SYSTEM OF CABLES AND STAKES.

WATTLE NOTES:

1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2'-3" DEEP x 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT EACH OTHER.
3. SECURE THE WATTLE WITH 24" STAKES EVERY 3-4' AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 3-4" OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.

1 STRAW WATTLE DETAIL
SCALE: NTS

2 SILT AND TURBIDITY CURTAIN DETAIL
SCALE: NTS

N:\Projects\10632.22001\HANS_Lemke\CAD\C400\C4001\ESCP_DETAILS_Aug 29, 2022 1:04 PM

No.	Date	Item
REVISIONS		

SHEET TITLE :
EROSION & SEDIMENT CONTROL DETAILS

CONTRACT DOCUMENTS

PROJECT :
LETNIKOF HARBOR SOUTH PARKING LOT EXPANSION

HAINES BOROUGH, ALASKA

RESPEC

Juneau, AK
9109 Mendenhall Mall Rd. Ste. 4
Juneau, AK 99801
Phone: 907.780.6060
Fax: 907.586.3771
AECC163270

STATE OF ALASKA
49th
JOSEPH M. PUSICH
08/29/2022
REGISTERED PROFESSIONAL ENGINEER
CE 8152

CLIENT :

HAINES BOROUGH ALASKA

DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	06/29/2022
PROJECT No. 10632.22001	
SHEET NUMBER C401	